

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053401.D
 Acq On : 15 Jan 2019 11:29
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:12 AM

Quant Time: Jan 16 03:10:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	874376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1326840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1257664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	626415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1301211	150.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.12%	
35) Dibromofluoromethane	7.59	113	1171463	154.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.40%	
50) Toluene-d8	10.09	98	4888035	152.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.26%	
62) 4-Bromofluorobenzene	12.40	95	1798996	160.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1085591	154.423	ug/l	99
3) Chloromethane	2.06	50	1551044	154.315	ug/l	100
4) Vinyl Chloride	2.19	62	1466751	151.387	ug/l	100
5) Bromomethane	2.55	94	1014710	152.635	ug/l	99
6) Chloroethane	2.70	64	879859	150.203	ug/l	99
7) Trichlorofluoromethane	3.02	101	1924707	151.874	ug/l	100
8) Diethyl Ether	3.41	74	762708	160.240	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1216816	151.609	ug/l	99
10) Methyl Iodide	3.96	142	1979796	161.419	ug/l	100
11) Tert butyl alcohol	4.78	59	364887	862.846	ug/l	100
12) 1,1-Dichloroethene	3.74	96	1203284	154.570	ug/l	99
13) Acrolein	3.60	56	670727	761.627	ug/l	100
14) Allyl chloride	4.33	41	2066655	163.438	ug/l	95
15) Acrylonitrile	4.98	53	2320064	833.635	ug/l	100
16) Acetone	3.81	43	1512779	746.074	ug/l	100
17) Carbon Disulfide	4.06	76	3740493	158.890	ug/l	100
18) Methyl Acetate	4.32	43	1092643	159.942	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	3364904	162.679	ug/l	98
20) Methylene Chloride	4.55	84	1396985	150.906	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	1300803	156.296	ug/l	100
22) Diisopropyl ether	5.95	45	4107669	155.609	ug/l	98
23) Vinyl Acetate	5.90	43	13519600	833.166	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2414431	154.720	ug/l	99
25) 2-Butanone	6.83	43	2523352	807.566	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1857873	157.684	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1496201	157.216	ug/l	99
28) Bromochloromethane	7.19	49	1036149	150.719	ug/l	98
29) Tetrahydrofuran	7.21	42	1673399	822.653	ug/l	99
30) Chloroform	7.37	83	2337912	153.767	ug/l	98
31) Cyclohexane	7.65	56	2286435	151.008	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	2020083	156.625	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1882472	155.786	ug/l	99
37) Ethyl Acetate	6.93	43	1134513	161.847	ug/l	99
38) Carbon Tetrachloride	7.78	117	1789215	156.399	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	2370512	158.718	ug/l	100
40) Benzene	8.04	78	5632384	153.386	ug/l	99
41) Methacrylonitrile	7.17	41	629425	145.208	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1652917	154.512	ug/l	100
43) Isopropyl Acetate	8.16	43	2078778	159.254	ug/l	98
44) Trichloroethene	8.83	130	1554876	152.692	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1497353	153.953	ug/l	99
46) Dibromomethane	9.21	93	860868	154.057	ug/l	100
47) Bromodichloromethane	9.40	83	1850498	157.470	ug/l	100
48) Methyl methacrylate	9.20	41	1080338	167.380	ug/l	99
49) 1,4-Dioxane	9.20	88	200748	3184.690	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	5667358	830.496	ug/l	99
52) Toluene	10.16	92	3554592	155.926	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2024430	169.959	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2266995	162.357	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	1249188	158.941	ug/l	98
56) Ethyl methacrylate	10.43	69	1750783	152.564	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2154704	158.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	4590587	834.897	ug/l	100
59) 2-Hexanone	10.75	43	3924416	819.223	ug/l	99
60) Dibromochloromethane	10.90	129	1476157	165.594	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1311445	164.988	ug/l	99
64) Tetrachloroethene	10.63	164	1663418	140.348	ug/l	100
65) Chlorobenzene	11.44	112	4097675	153.929	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1447785	156.333	ug/l	100
67) Ethyl Benzene	11.51	91	7083574	156.136	ug/l	99
68) m/p-Xylenes	11.62	106	5401882	315.366	ug/l	99
69) o-Xylene	11.95	106	2650317	159.236	ug/l	99
70) Styrene	11.96	104	4398641	162.835	ug/l	100
71) Bromoform	12.13	173	1083240	169.904	ug/l #	99
73) Isopropylbenzene	12.25	105	6982305	152.210	ug/l	99
74) N-amyl acetate	12.07	43	1980370	161.945	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1483899	154.239	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1345833m	170.641	ug/l	
77) Bromobenzene	12.53	156	1836797	151.957	ug/l	100
78) n-propylbenzene	12.59	91	8182144	155.388	ug/l	99
79) 2-Chlorotoluene	12.68	91	4721904	151.286	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	5794995	155.266	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	514819	152.367	ug/l	97
82) 4-Chlorotoluene	12.77	91	4917974	154.511	ug/l	99
83) tert-Butylbenzene	12.99	119	5146745	156.128	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	5929054	157.548	ug/l	99
85) sec-Butylbenzene	13.17	105	7070338	156.391	ug/l	100
86) p-Isopropyltoluene	13.29	119	6253180	159.297	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3261648	153.399	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	3210140	150.511	ug/l	99
89) n-Butylbenzene	13.62	91	5436154	162.463	ug/l	100
90) Hexachloroethane	13.88	117	1045526	169.825	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	2920062	149.276	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	200255	164.159	ug/l	97

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VSTDICC150

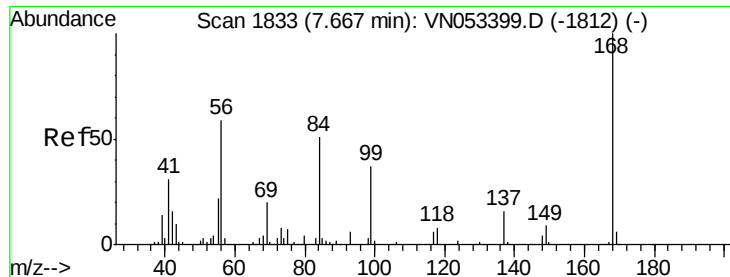
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1378509	153.645	ug/l	100
94) Hexachlorobutadiene	15.01	225	863425	141.495	ug/l	99
95) Naphthalene	15.13	128	2468421	154.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1032885	154.681	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 874376

Ion Ratio Lower Upper

168 100

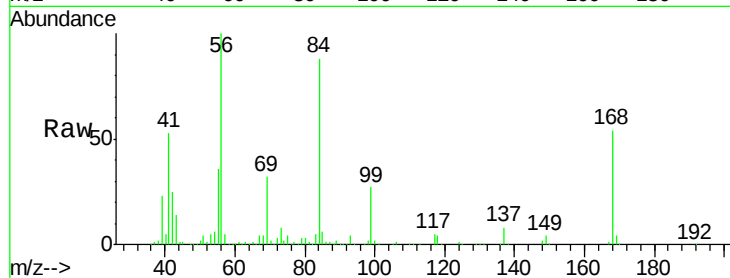
99 50.7 39.1 58.7

Manual Integrations

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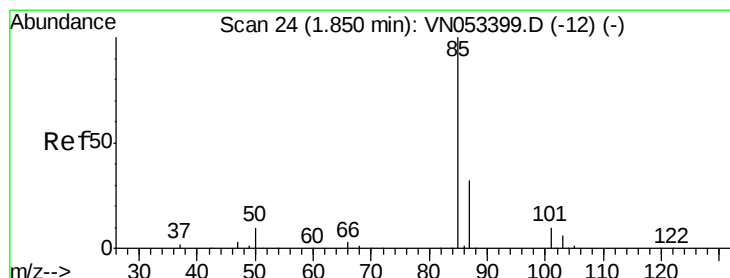
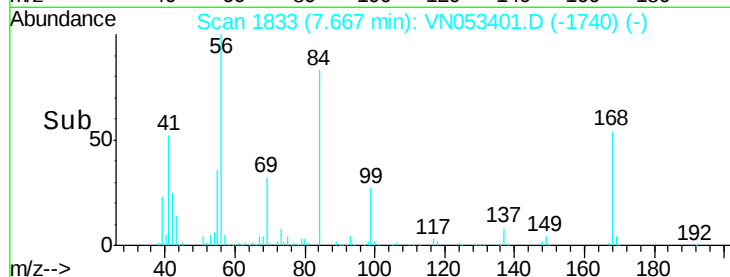
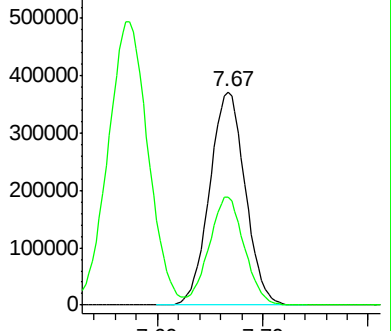
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 154.423 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053401.D

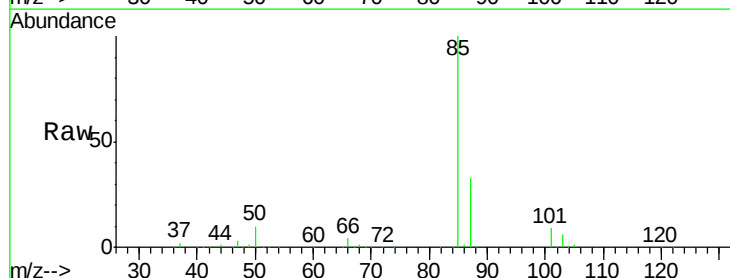
Acq: 15 Jan 2019 11:29

Tgt Ion: 85 Resp: 1085591

Ion Ratio Lower Upper

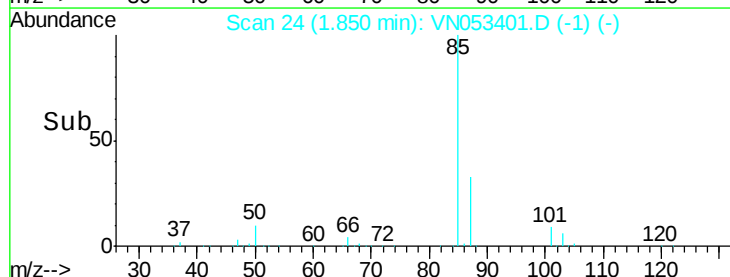
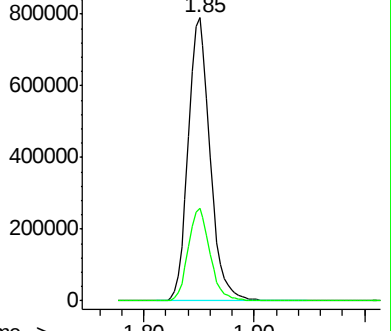
85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 154.315 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1551044

Ion Ratio Lower Upper

50 100

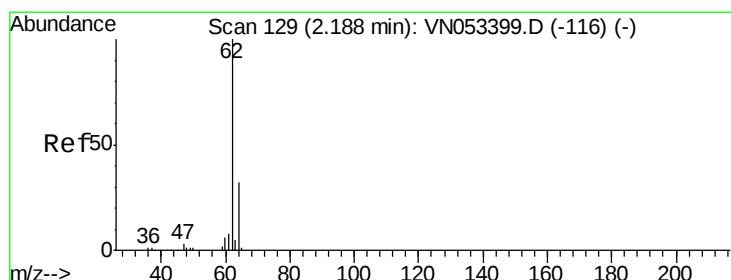
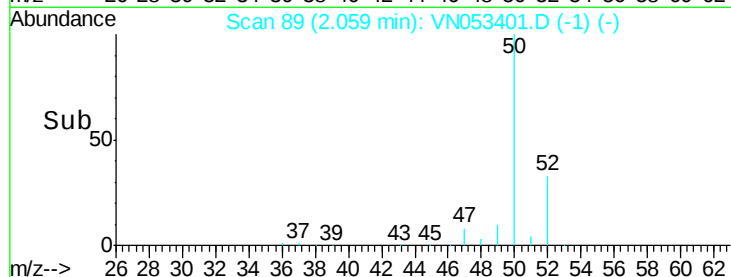
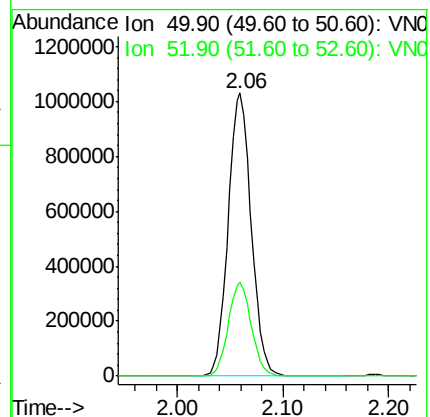
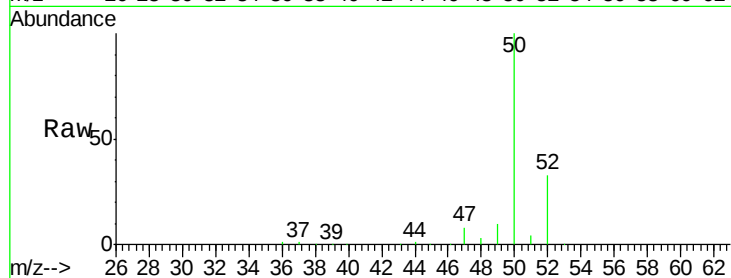
52 33.0 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 151.387 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053401.D

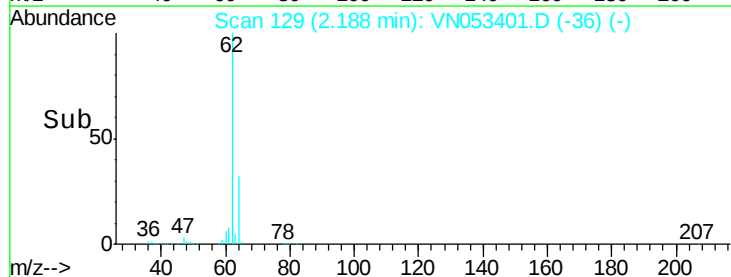
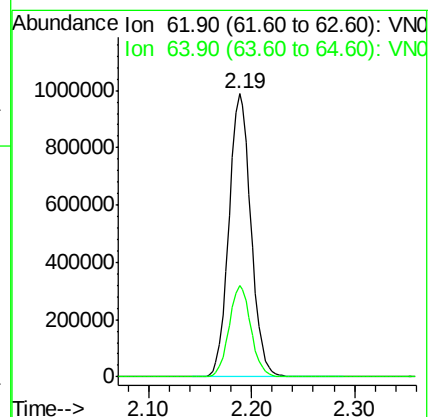
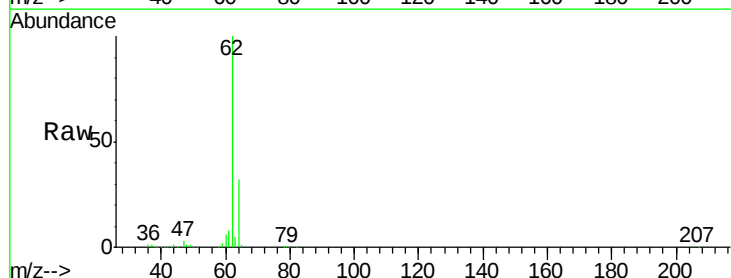
Acq: 15 Jan 2019 11:29

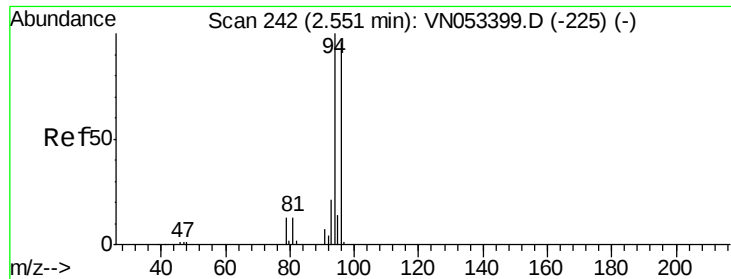
Tgt Ion: 62 Resp: 1466751

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 152.635 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 1014710

Ion Ratio Lower Upper

94 100

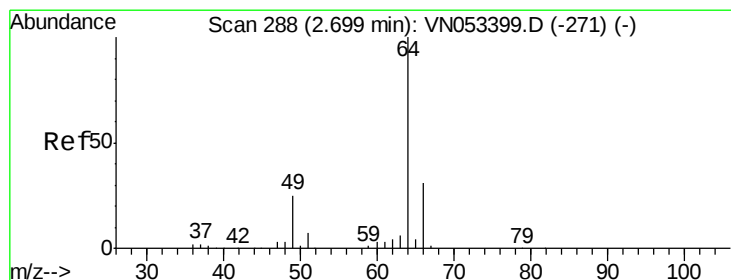
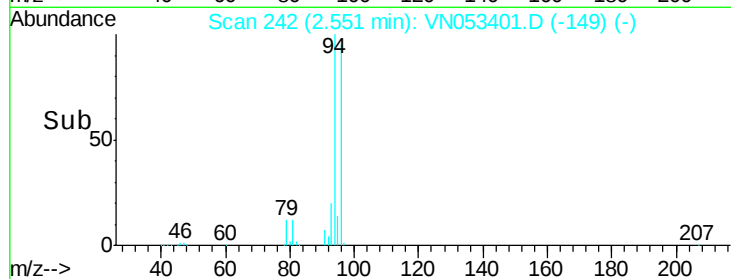
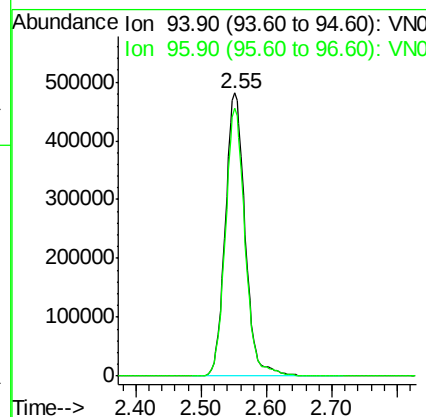
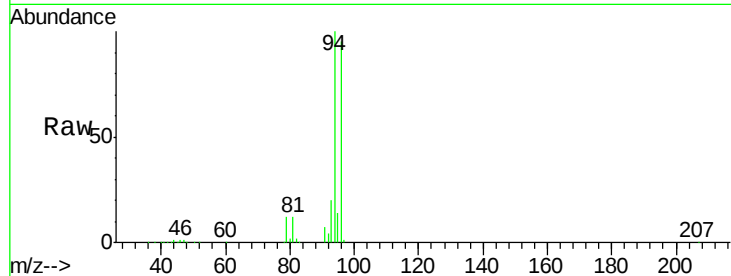
96 94.7 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 150.203 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN053401.D

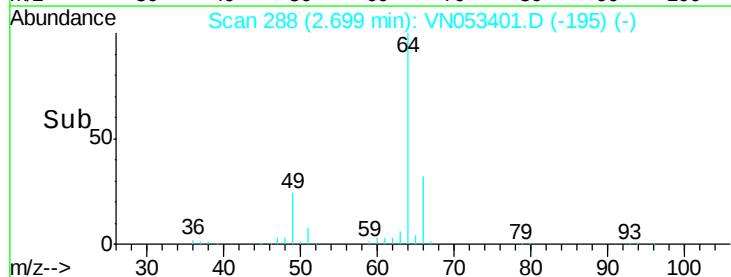
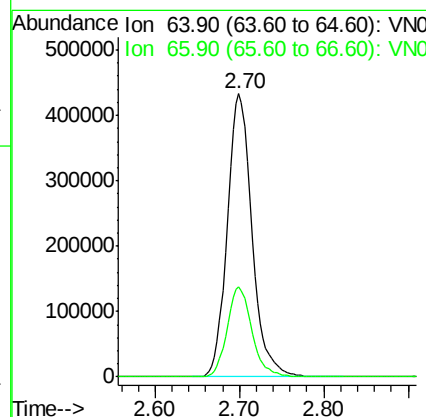
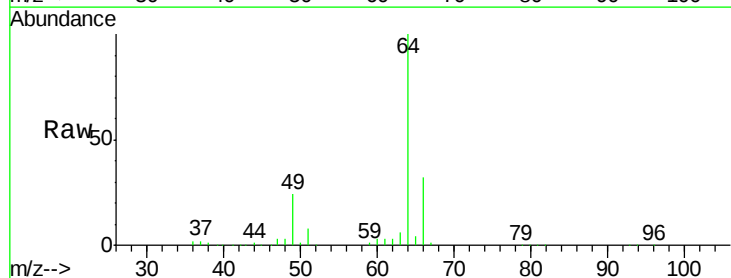
Acq: 15 Jan 2019 11:29

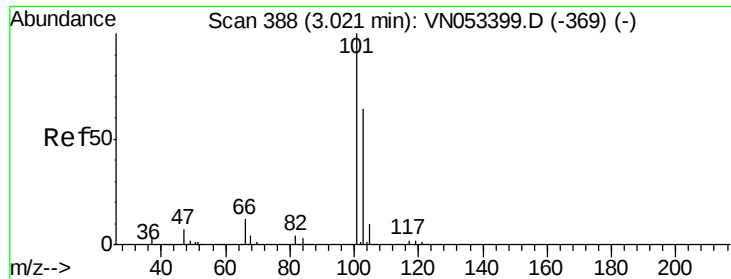
Tgt Ion: 64 Resp: 879859

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4





#7

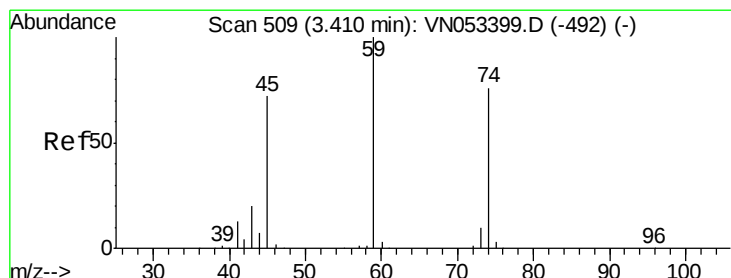
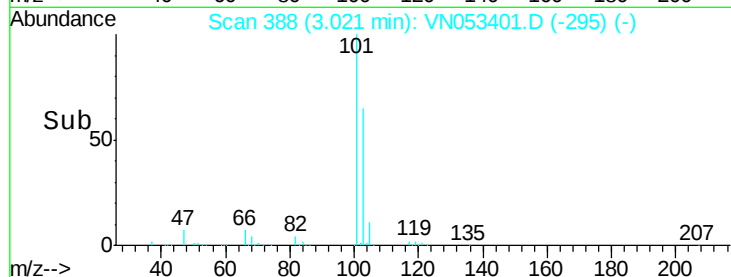
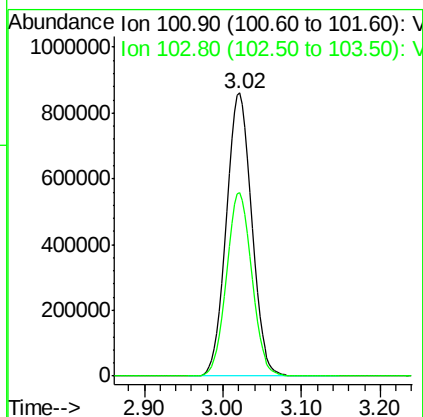
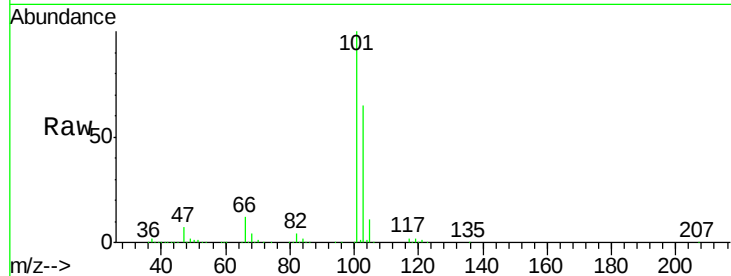
Trichlorofluoromethane
Concen: 151.874 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN053401.D
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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1924707
Ion Ratio Lower Upper
101 100
103 64.8 52.1 78.1

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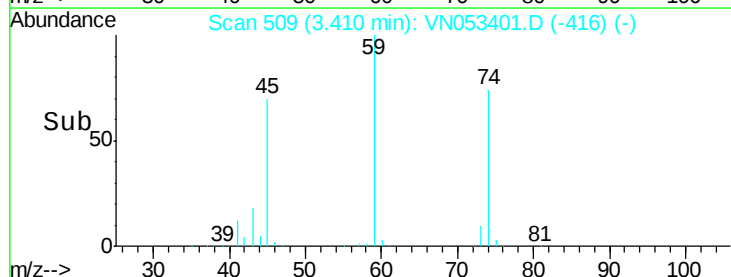
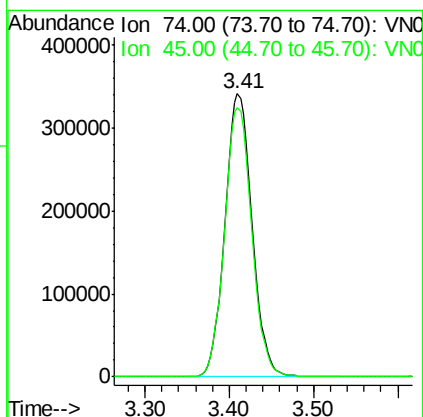
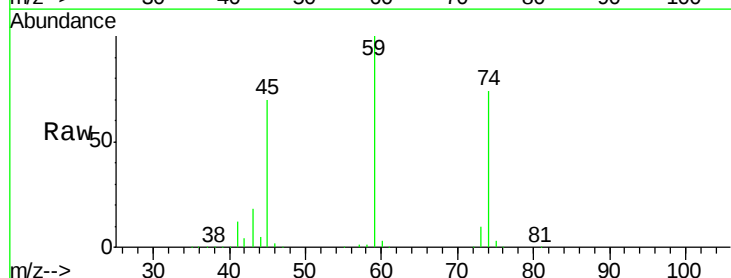
MMDadoda
1/16/2019 9:51:12 AM

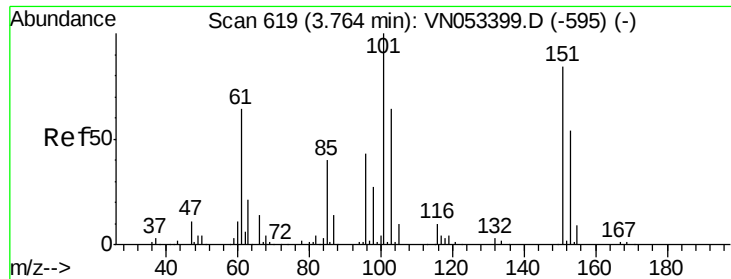


#8

Diethyl Ether
Concen: 160.240 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 74 Resp: 762708
Ion Ratio Lower Upper
74 100
45 95.7 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.609 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1216816

Ion Ratio Lower Upper

101 100

85 41.2 33.3 49.9

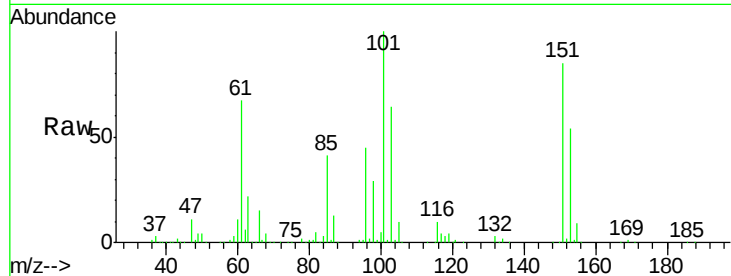
151 84.8 67.0 100.4

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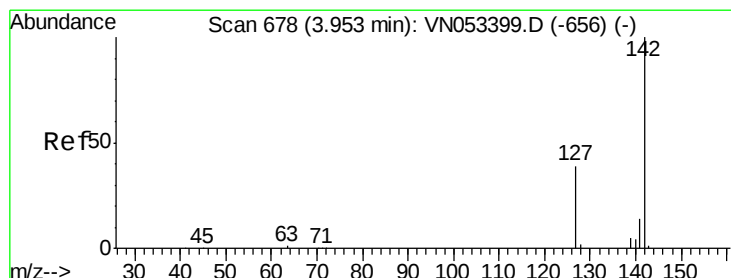
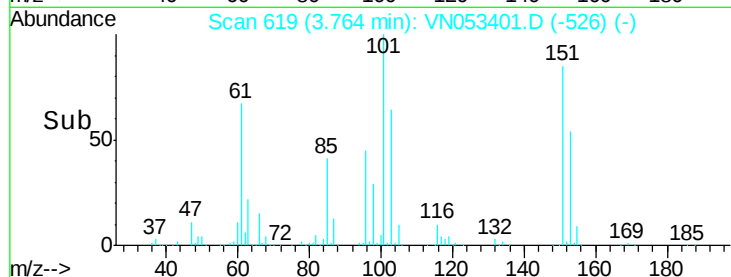
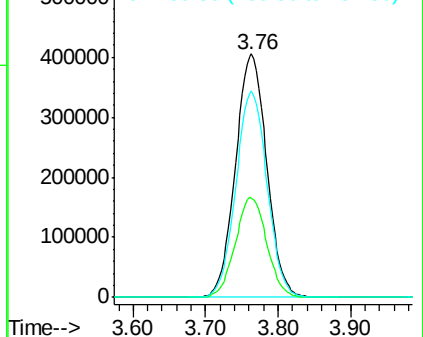
1/16/2019 9:51:12 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 161.419 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

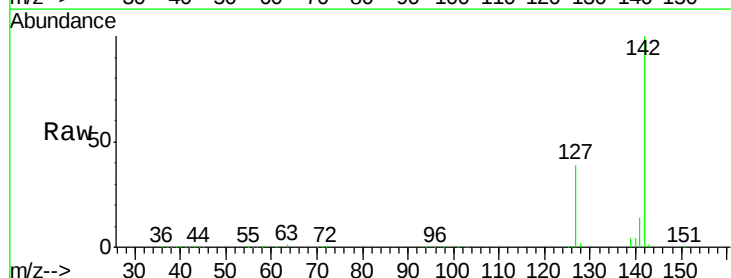
Tgt Ion:142 Resp: 1979796

Ion Ratio Lower Upper

142 100

127 38.5 30.9 46.3

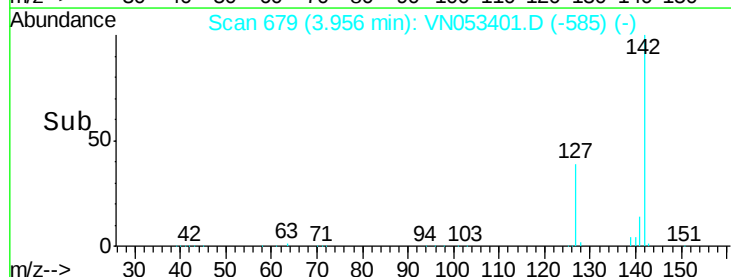
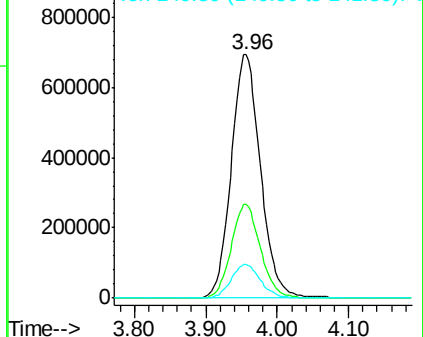
141 13.9 11.2 16.8

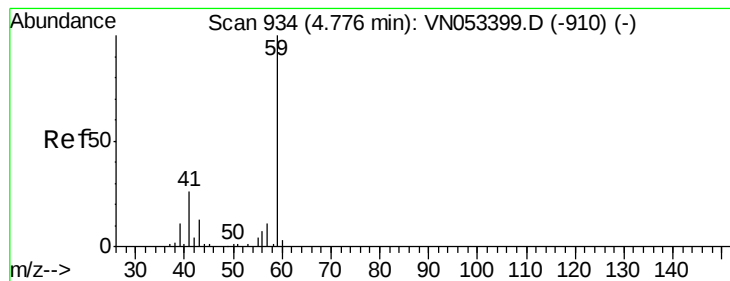


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

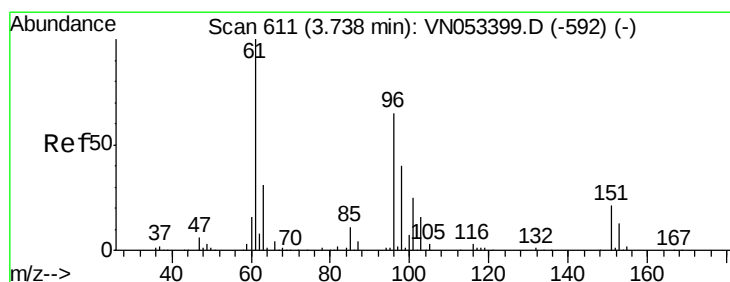
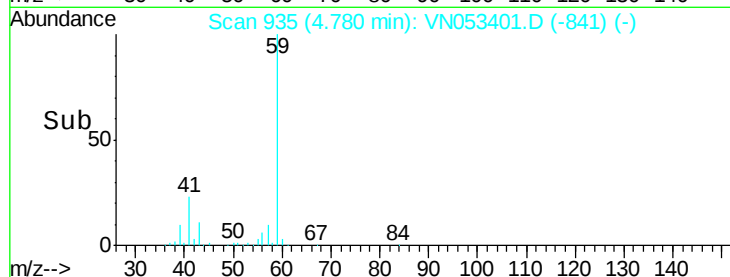
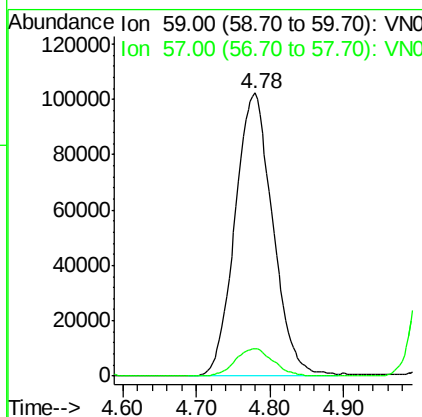
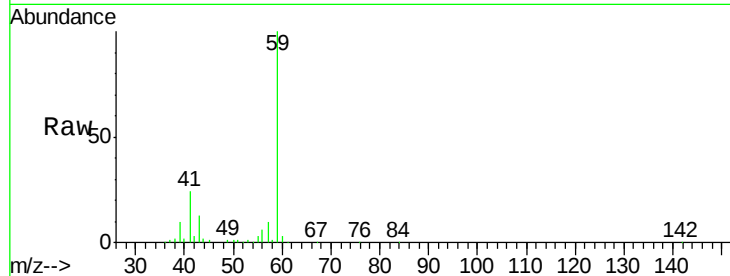
Tert butyl alcohol
 Concen: 862.846 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

Manual Integrations
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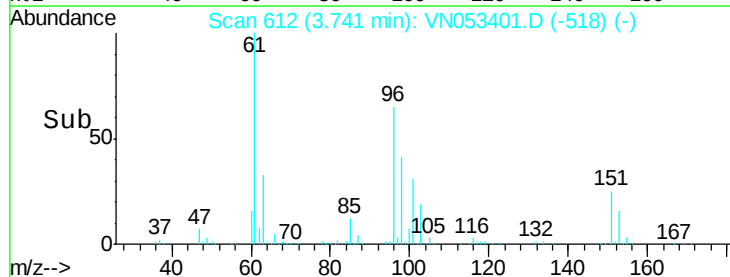
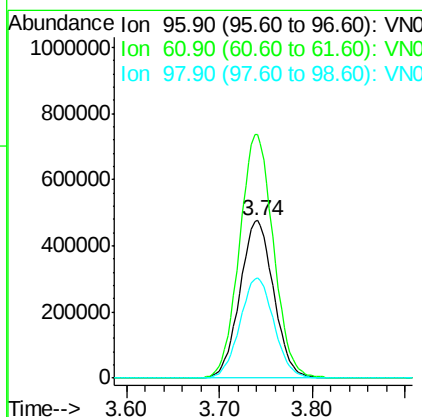
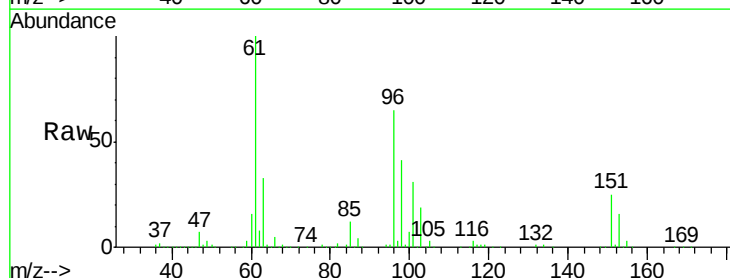
MMDadoda
 1/16/2019 9:51:12 AM

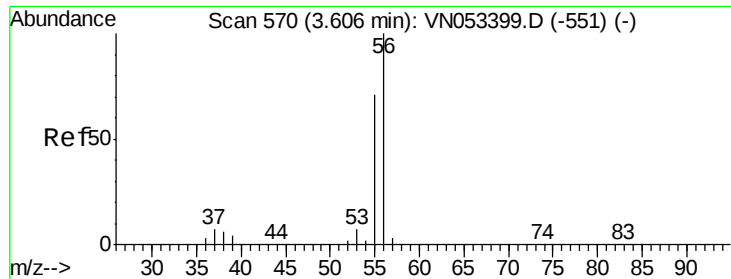


#12

1,1-Dichloroethene
 Concen: 154.570 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	123.2	184.8
98	63.7	50.5	75.7





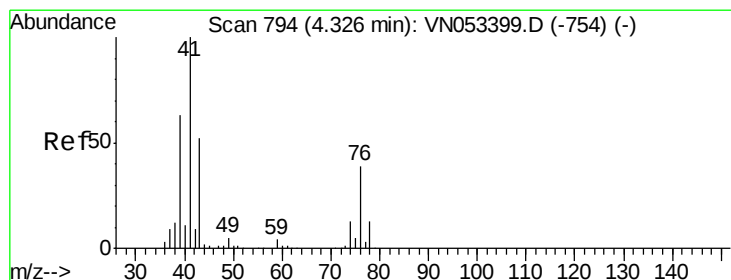
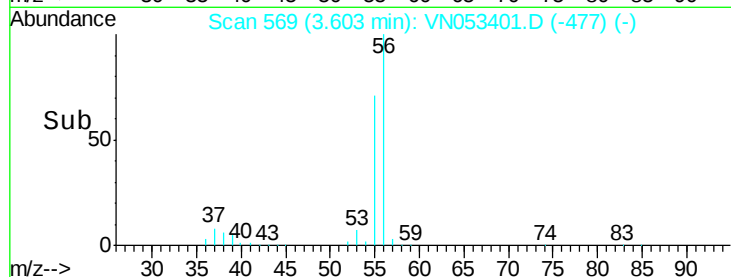
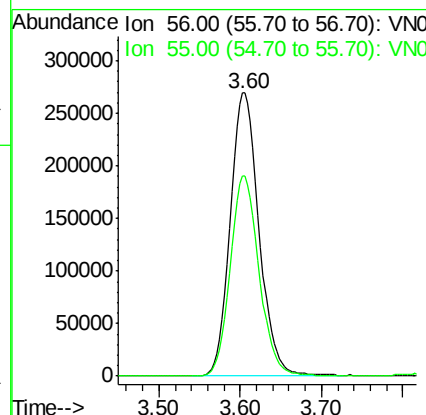
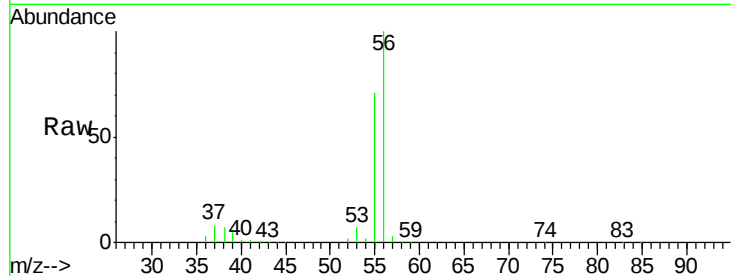
#13
Acrolein
Concen: 761.627 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	55	Ratio	Lower	Upper
670727	100	70.6		56.3	84.5

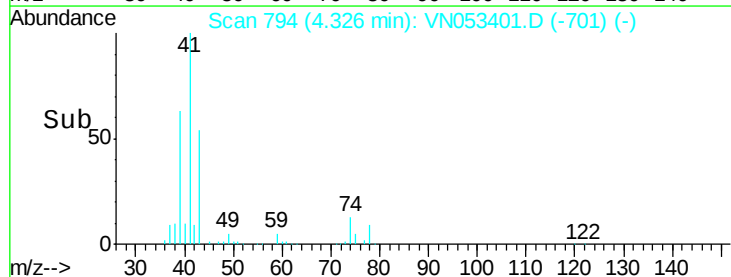
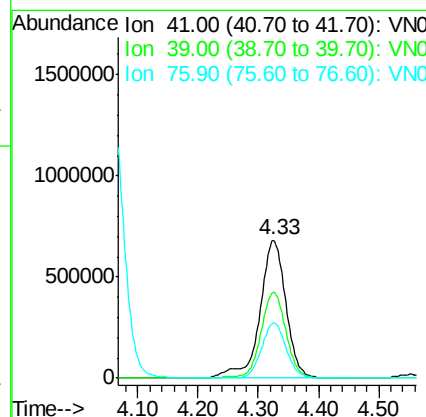
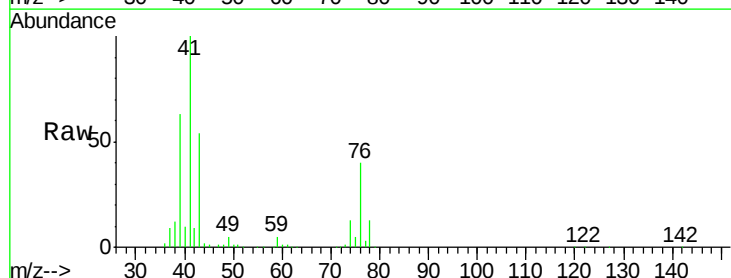
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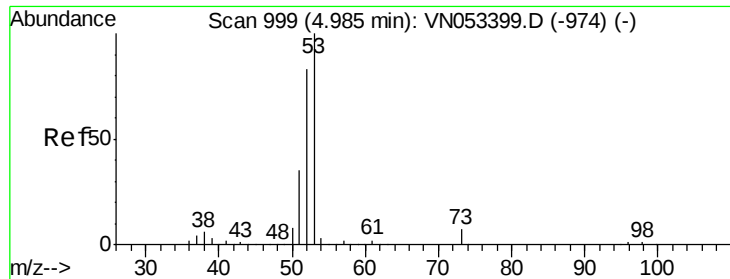
MMDadoda
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#14
Allyl chloride
Concen: 163.438 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion	41	39	76	Ratio	Lower	Upper
2066655	100	60.0	37.0		51.9	77.9
					31.2	46.8





#15

Acrylonitrile

Concen: 833.635 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2320064

Ion Ratio Lower Upper

53 100

52 82.1 65.2 97.8

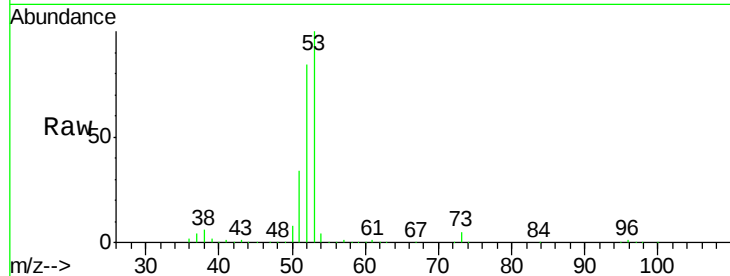
51 35.0 28.0 42.0

Manual Integrations

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Abundance Ion 53.00 (52.70 to 53.70): VN053399.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053399.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053399.D (-974) (-)

4.98

800000

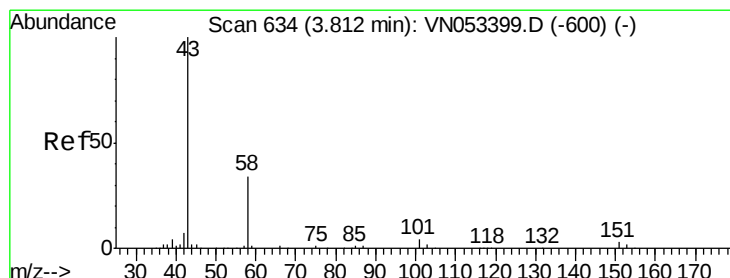
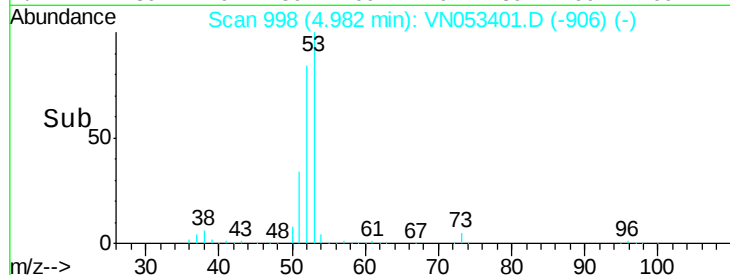
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 746.074 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053401.D

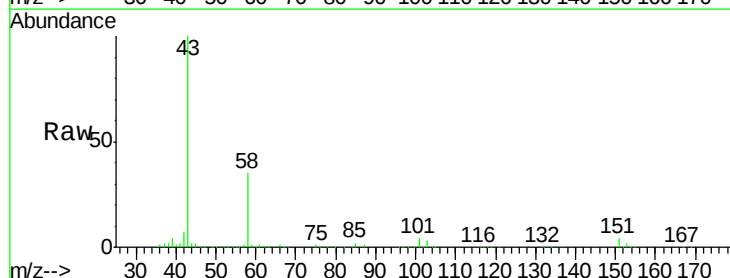
Acq: 15 Jan 2019 11:29

Tgt Ion: 43 Resp: 1512779

Ion Ratio Lower Upper

43 100

58 34.9 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)

3.81

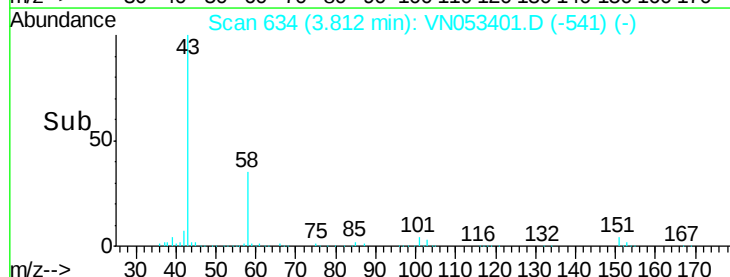
600000

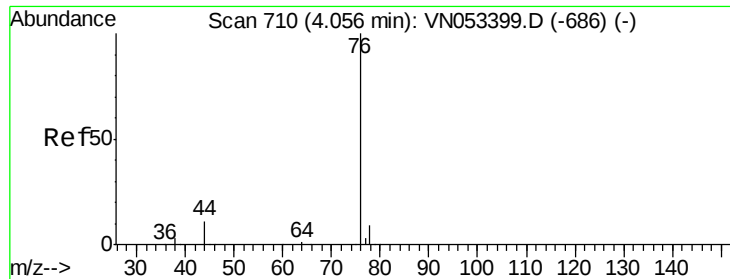
400000

200000

0

Time-->





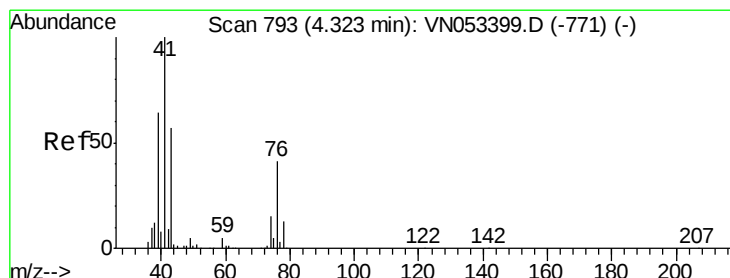
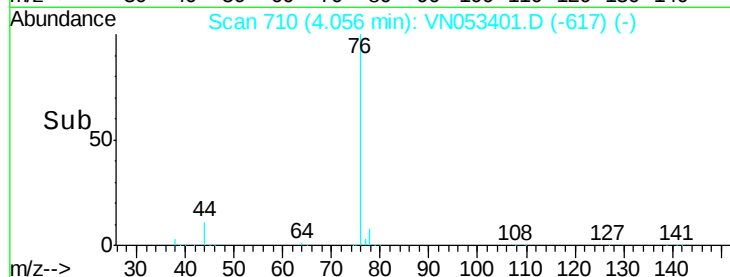
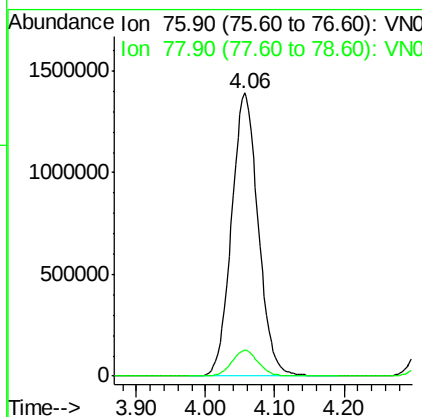
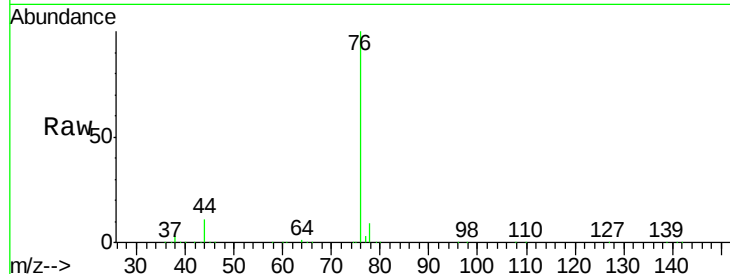
#17
Carbon Disulfide
Concen: 158.890 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 3740493
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

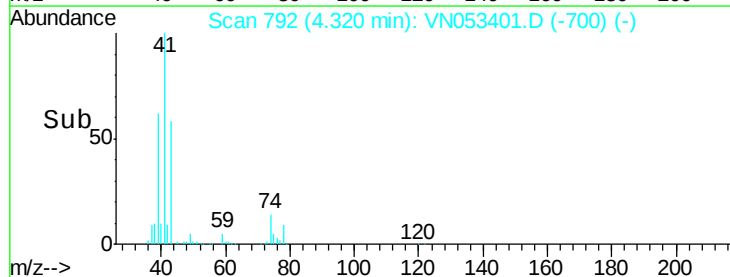
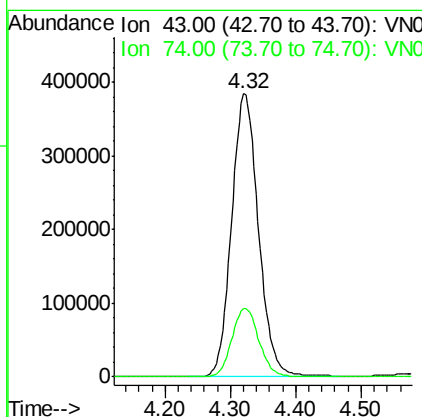
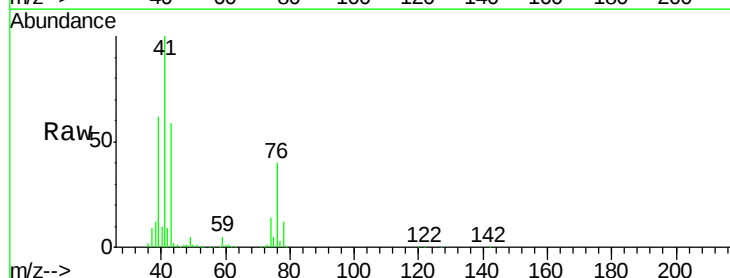
Manual Integrations
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1/16/2019 9:51:12 AM



#18
Methyl Acetate
Concen: 159.942 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 43 Resp: 1092643
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.8





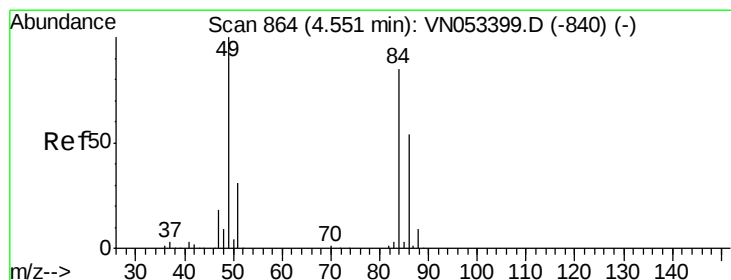
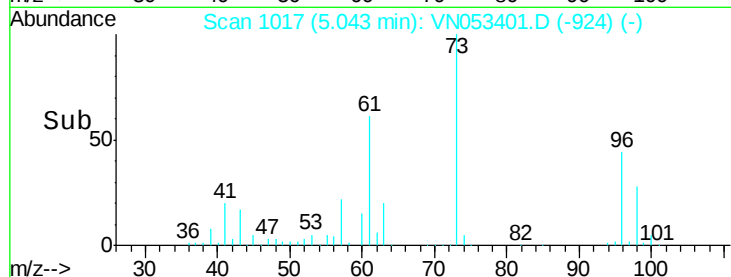
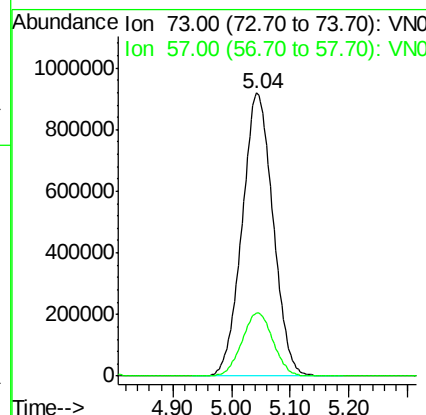
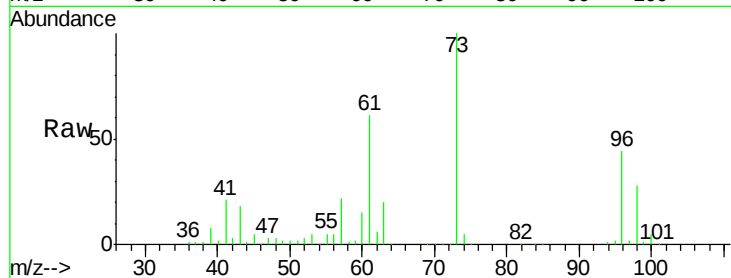
#19
Methvl tert-butvl Ether
Concen: 162.679 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 3364904
Ion Ratio Lower Upper
73 100
57 22.3 18.5 27.7

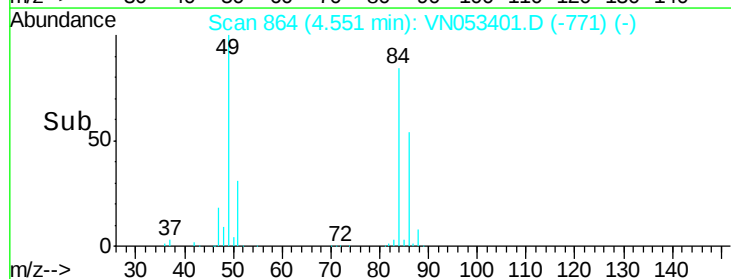
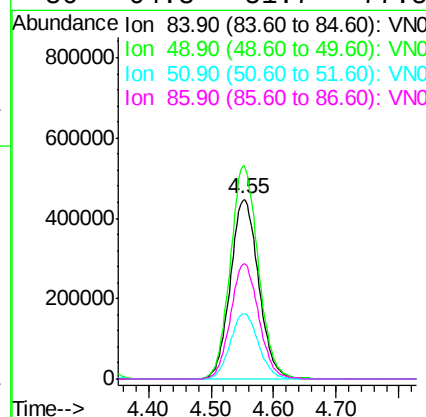
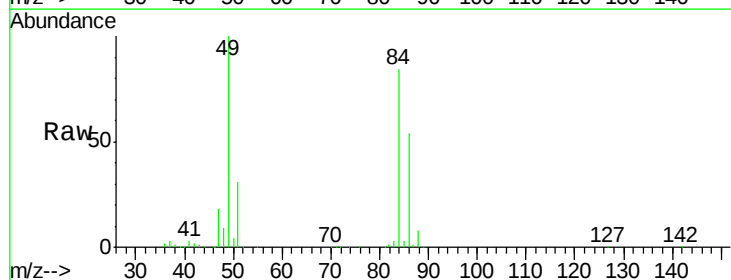
Manual Integrations
APPROVED

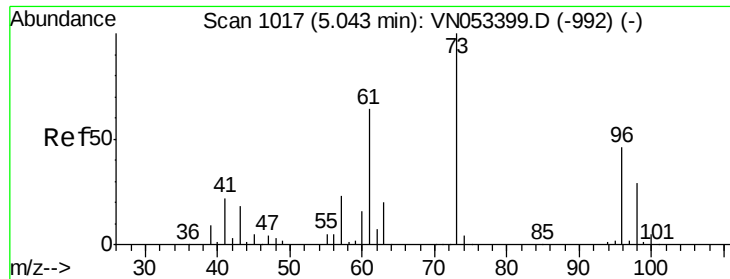
MMDadoda
1/16/2019 9:51:12 AM



#20
Methylene Chloride
Concen: 150.906 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 84 Resp: 1396985
Ion Ratio Lower Upper
84 100
49 118.9 95.3 142.9
51 36.5 29.0 43.6
86 64.3 51.7 77.5





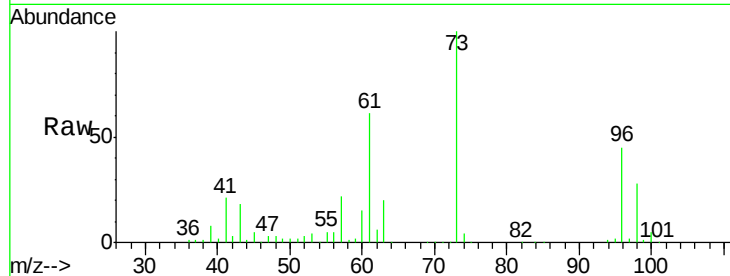
#21
trans-1,2-Dichloroethene
Concen: 156.296 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

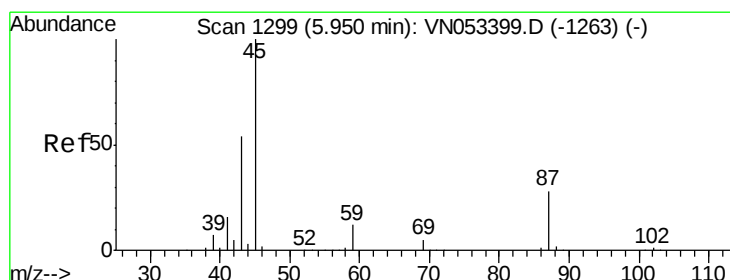
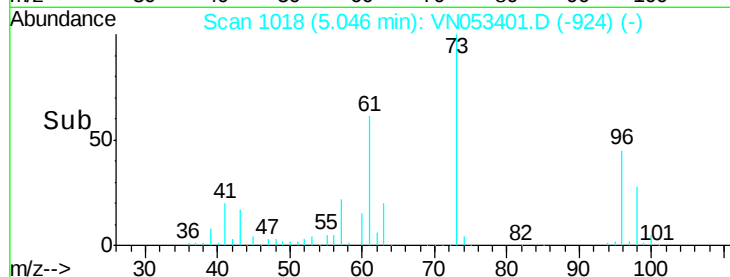
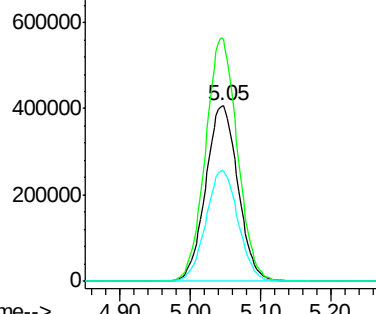
Tot Ion: 96 Resp: 1300803
Ion Ratio Lower Upper
96 100
61 137.7 110.2 165.4
98 63.2 50.7 76.1

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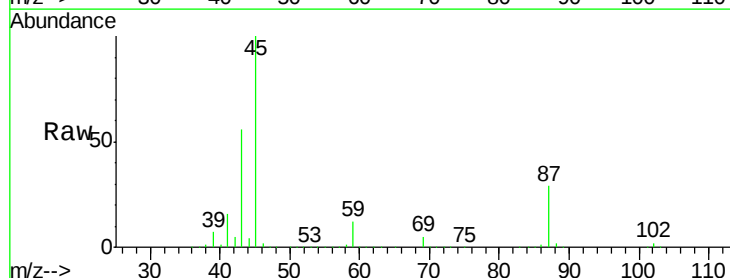


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

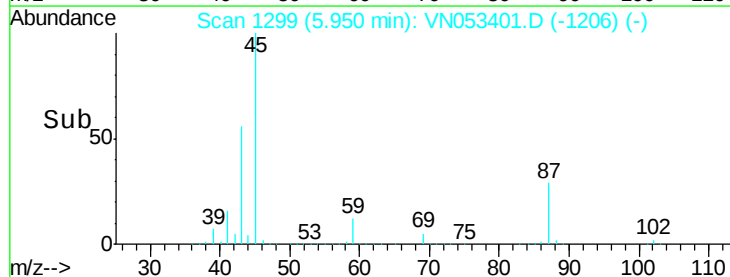
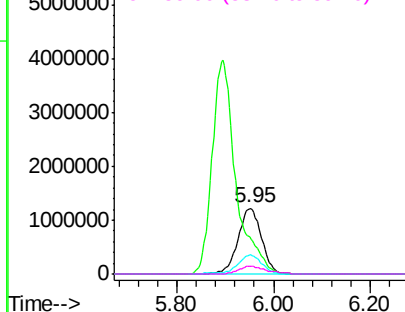


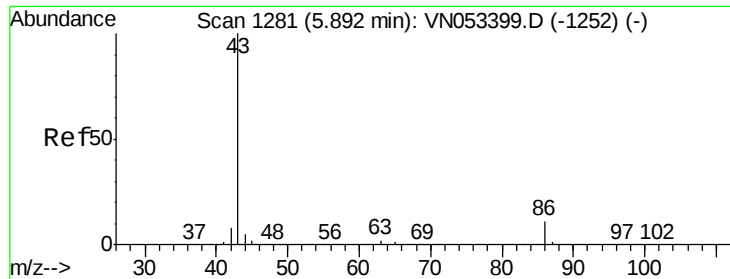
#22
Diisopropyl ether
Concen: 155.609 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 45 Resp: 4107669
Ion Ratio Lower Upper
45 100
43 55.4 43.0 64.6
87 28.9 22.1 33.1
59 12.1 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 833.166 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:13519600

Ion Ratio Lower Upper

43 100

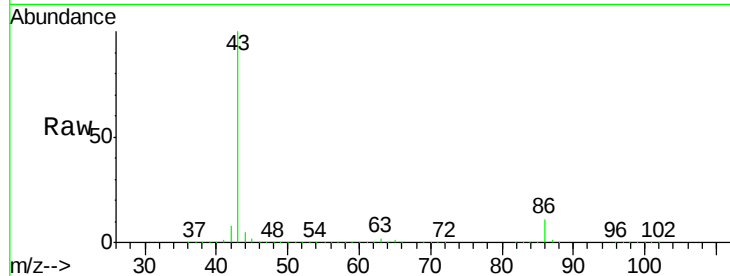
86 10.8 8.4 12.6

Manual Integrations

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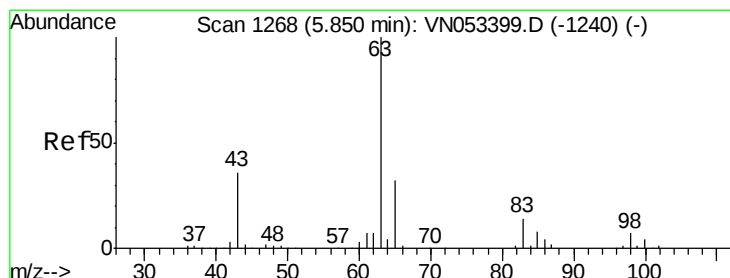
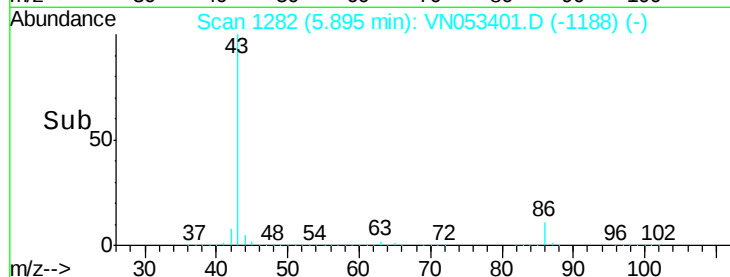
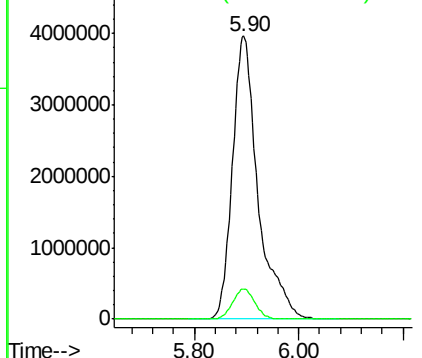
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 154.720 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

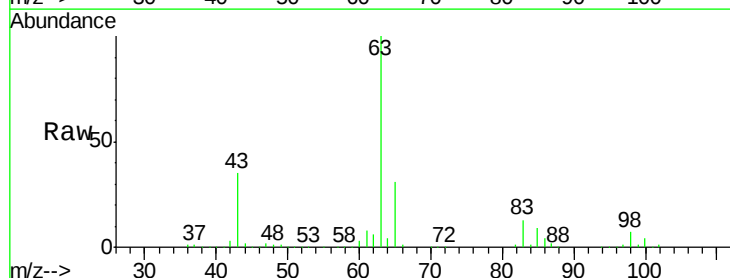
Tgt Ion: 63 Resp: 2414431

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

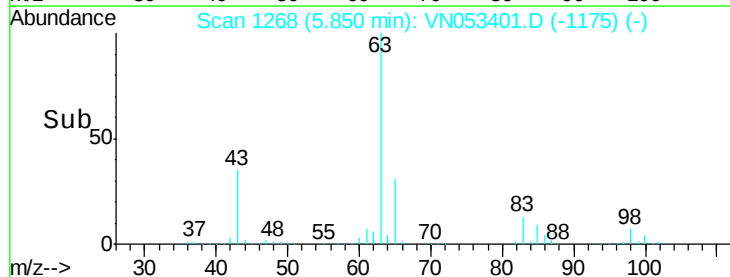
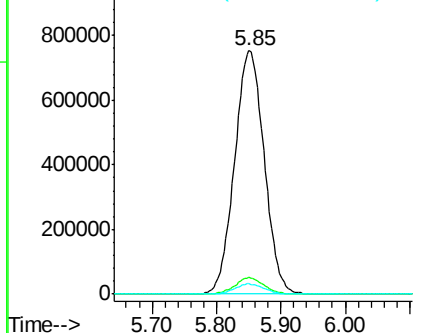
100 4.3 2.1 6.5

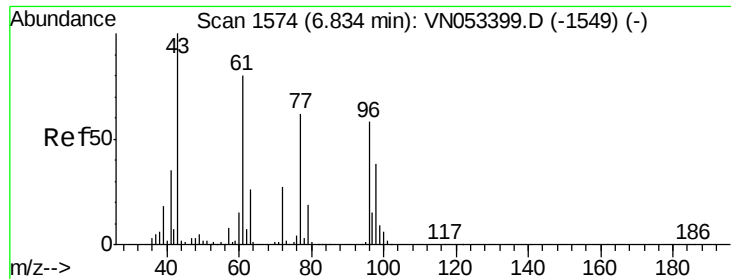


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





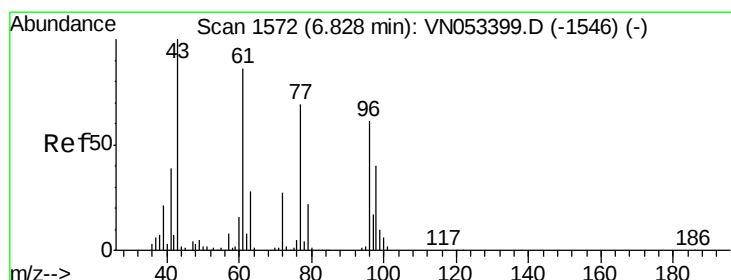
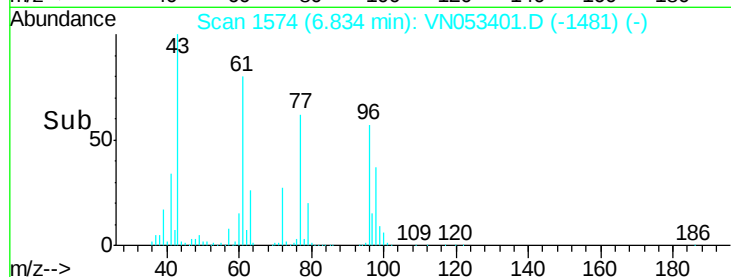
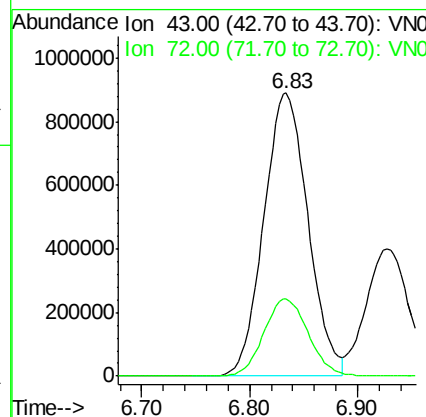
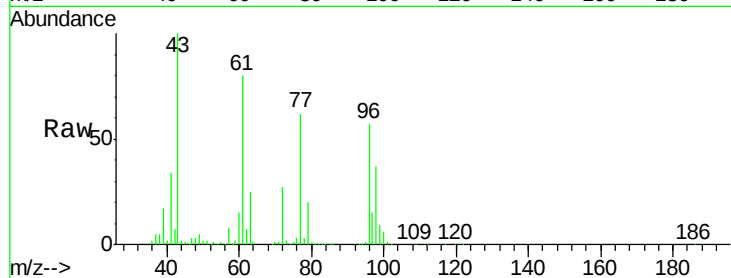
#25
2-Butanone
Concen: 807.566 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2523352
Ion Ratio Lower Upper
43 100
72 27.2 22.0 33.0

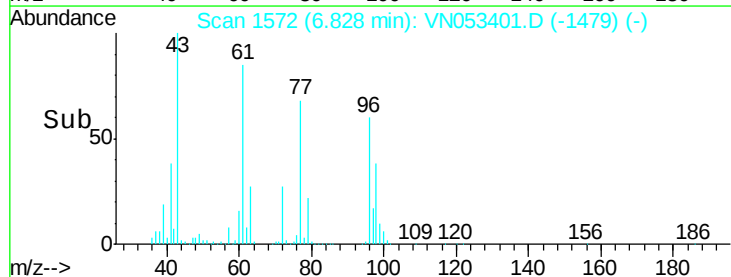
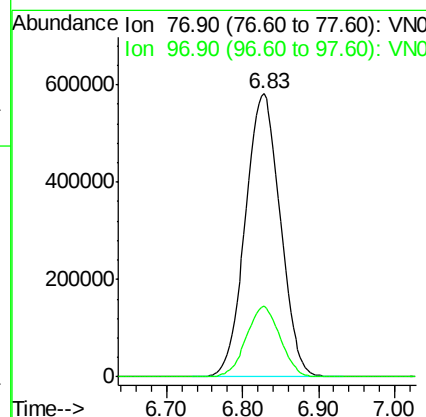
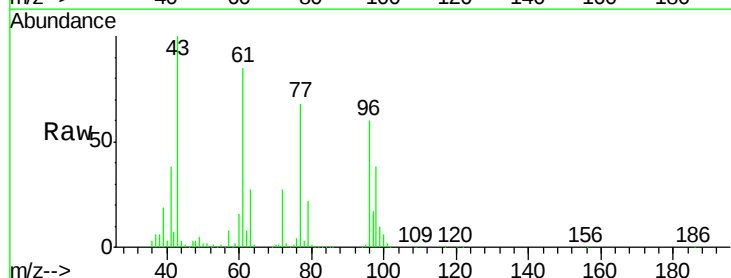
Manual Integrations
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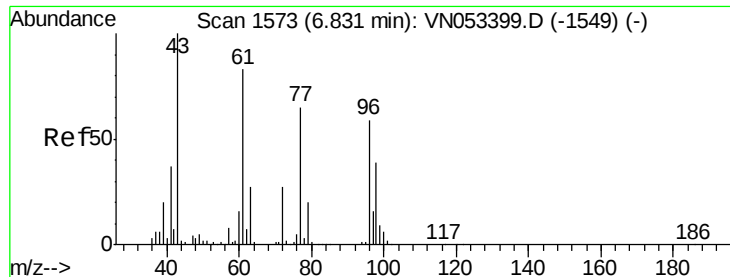
MMDadoda
1/16/2019 9:51:12 AM



#26
2,2-Dichloropropane
Concen: 157.684 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 77 Resp: 1857873
Ion Ratio Lower Upper
77 100
97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 157.216 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1496201

Ion Ratio Lower Upper

96 100

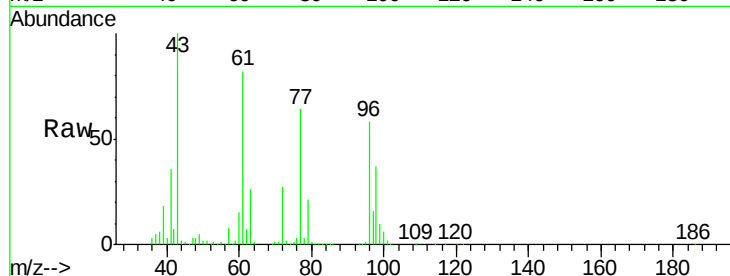
61 142.2 0.0 280.6

98 64.6 0.0 127.6

Manual Integrations
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MMDadoda

1/16/2019 9:51:12 AM

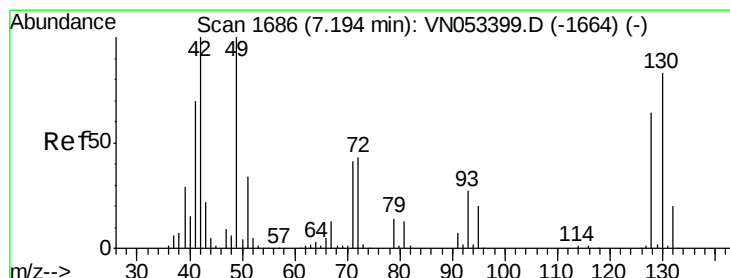
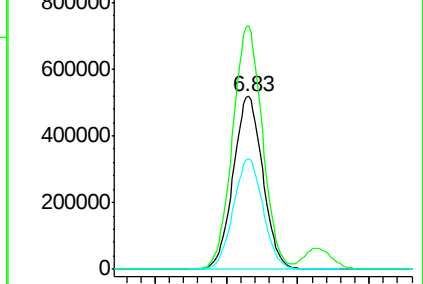
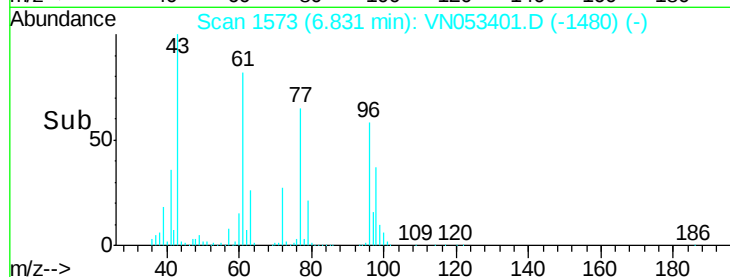


Abundance Ion 95.90 (95.60 to 96.60): VN053401.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053401.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053401.D (-1480) (-)

Time-->



#28

Bromochloromethane

Concen: 150.719 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

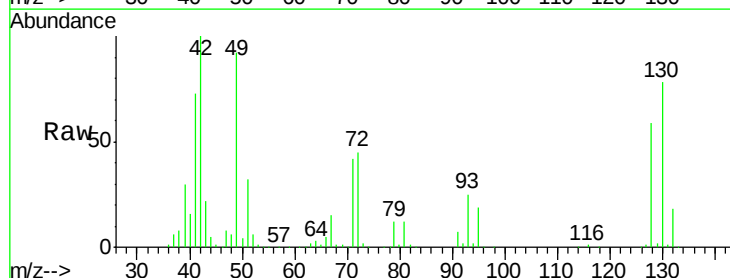
Tgt Ion: 49 Resp: 1036149

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 83.5 65.4 98.0

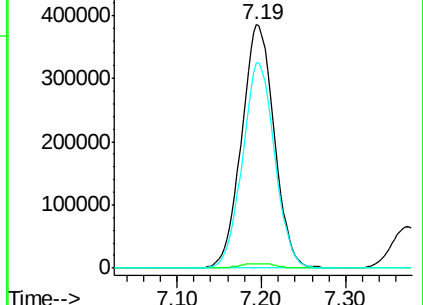
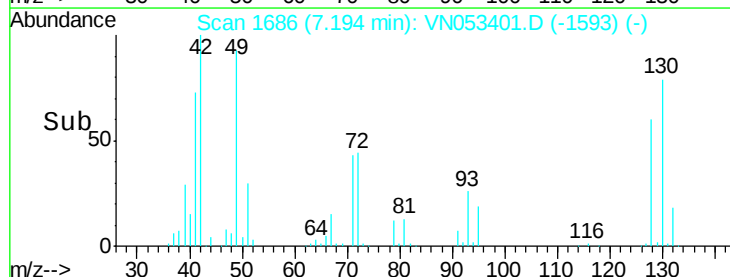


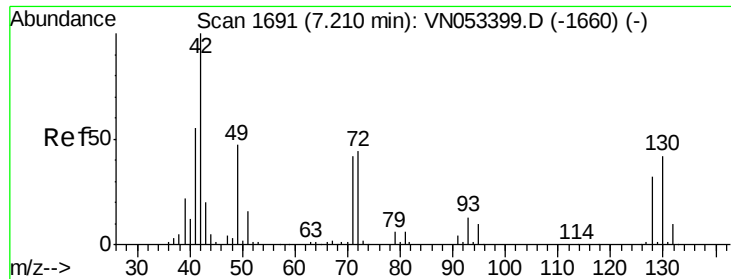
Abundance Ion 48.90 (48.60 to 49.60): VN053401.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053401.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053401.D (-1593) (-)

Time-->





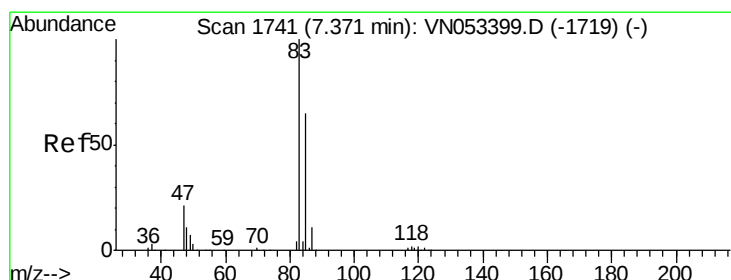
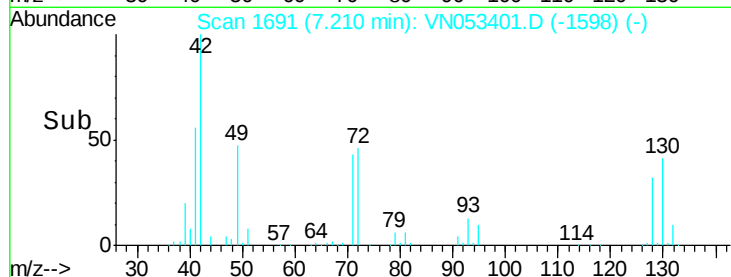
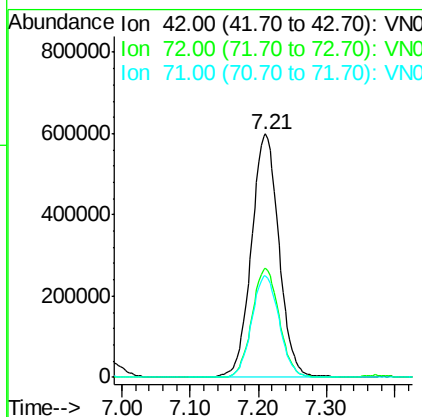
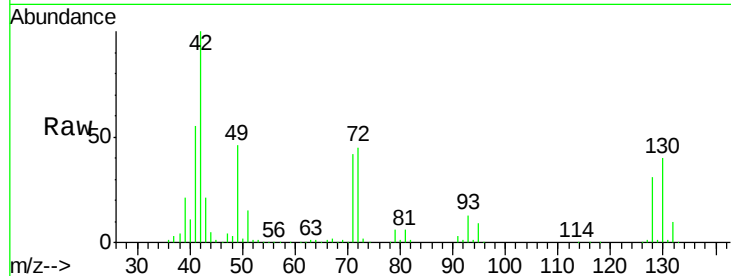
#29
Tetrahydrofuran
Concen: 822.653 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1673399
Ion Ratio Lower Upper
42 100
72 44.2 35.6 53.4
71 41.6 33.8 50.8

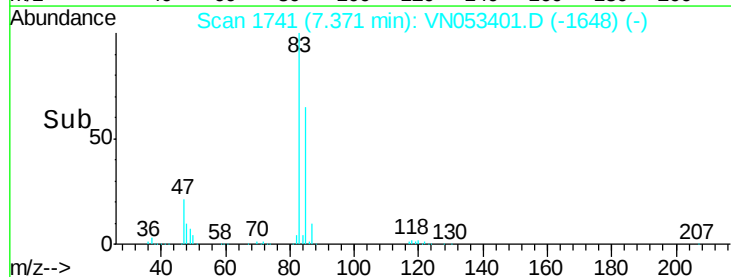
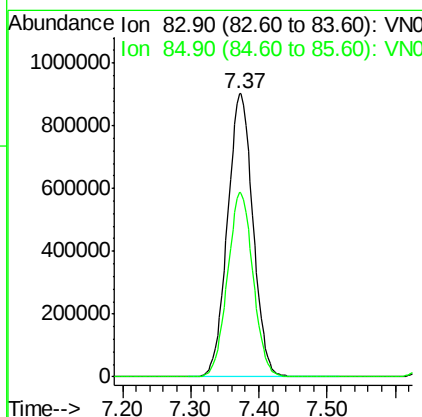
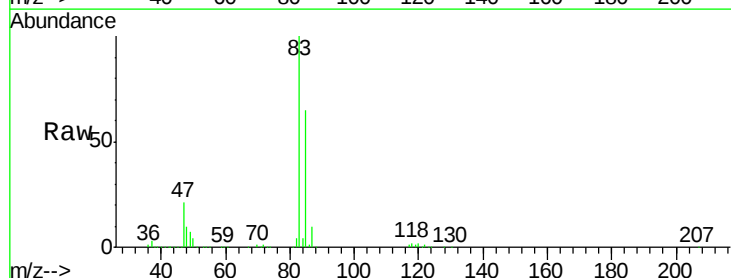
Manual Integrations
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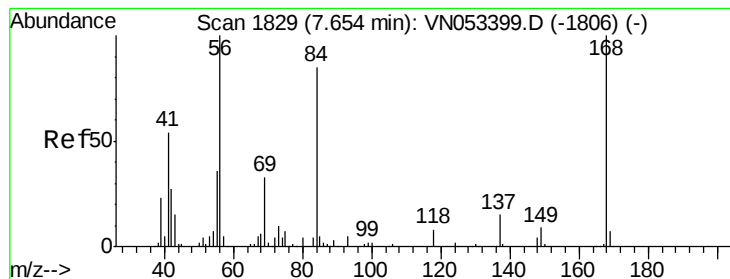
MMDadoda
1/16/2019 9:51:12 AM



#30
Chloroform
Concen: 153.767 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 83 Resp: 2337912
Ion Ratio Lower Upper
83 100
85 65.3 51.3 76.9





#31

Cyclohexane

Concen: 151.008 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 2286435

Ion Ratio Lower Upper

56 100

69 31.7 26.7 40.1

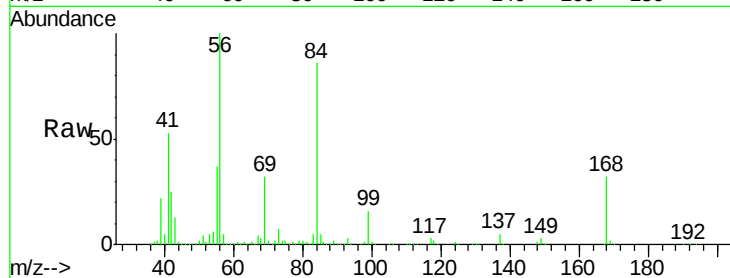
84 84.7 68.2 102.4

Manual Integrations

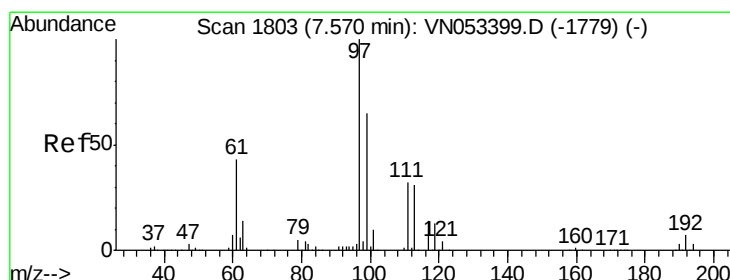
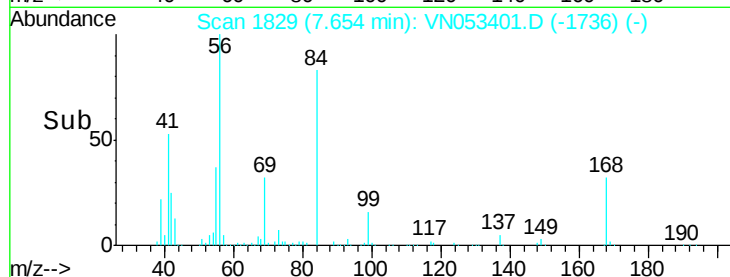
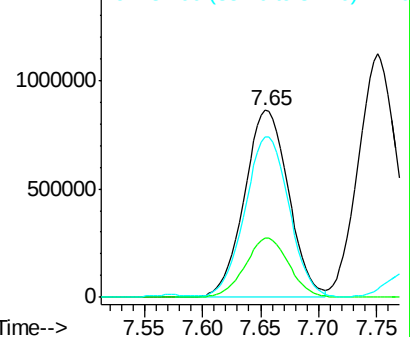
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 156.625 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

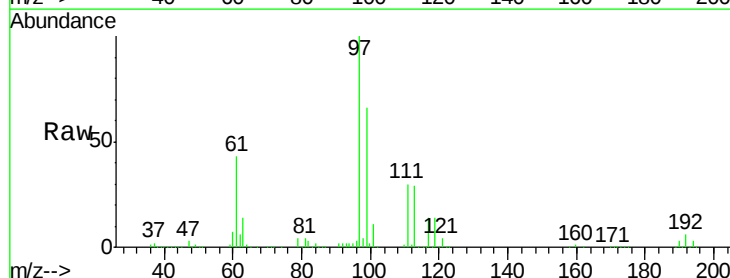
Tgt Ion: 97 Resp: 2020083

Ion Ratio Lower Upper

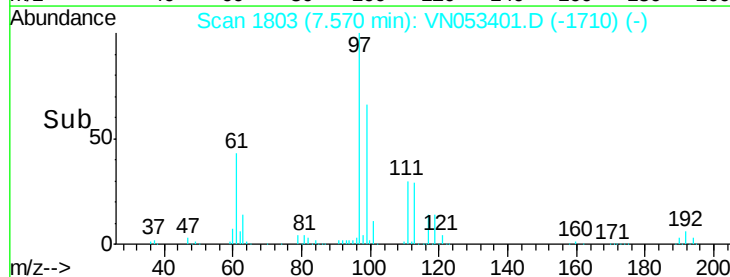
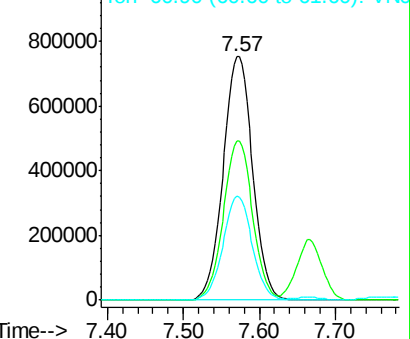
97 100

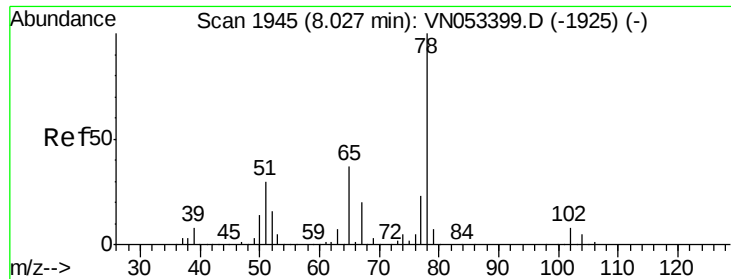
99 65.0 51.6 77.4

61 42.3 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





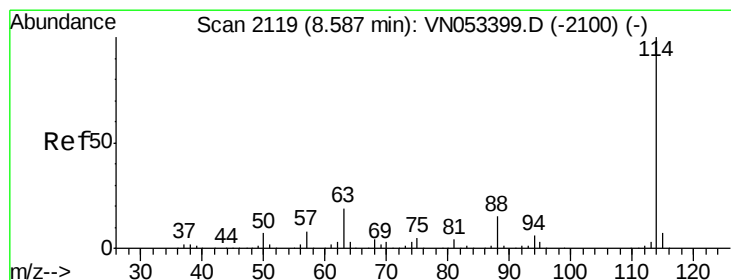
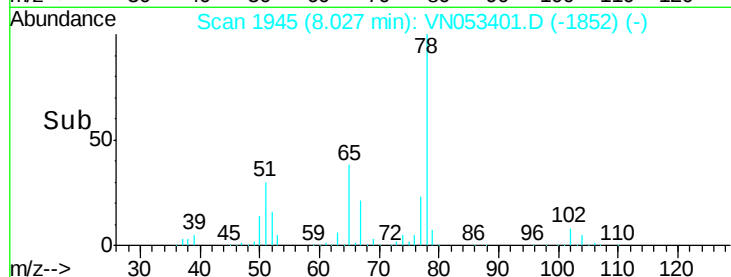
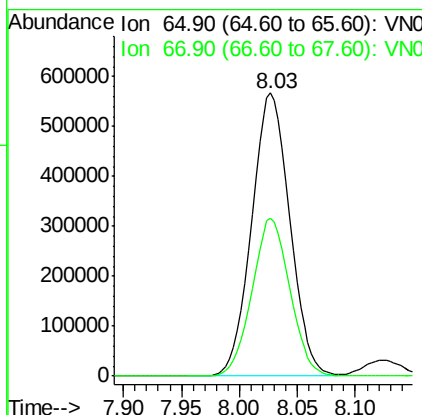
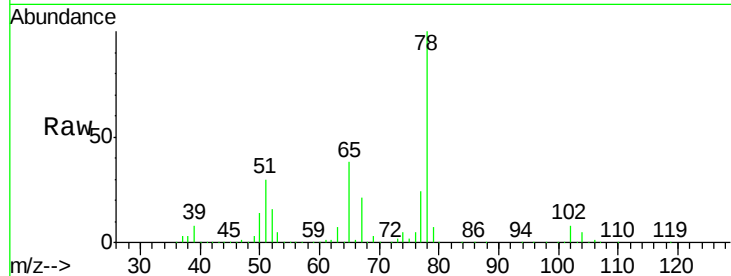
#33
 1,2-Dichloroethane-d4
 Concen: 156.625 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1301211
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.0

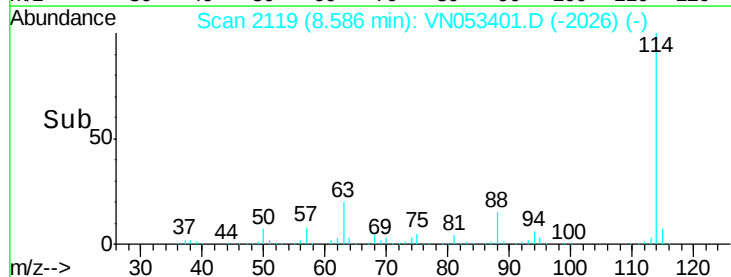
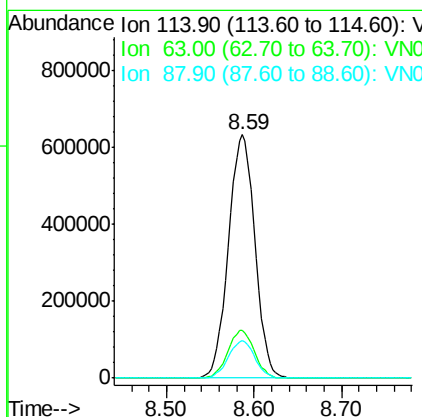
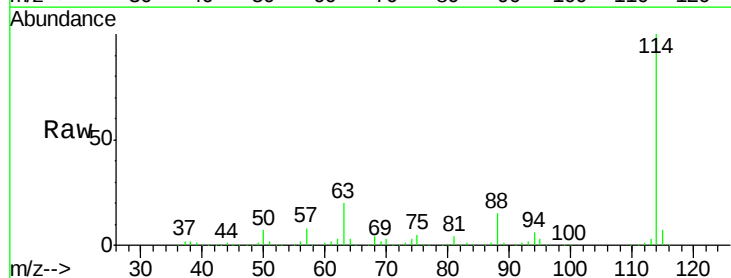
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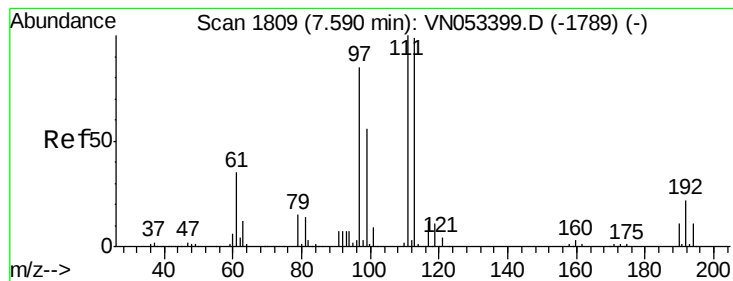
MMDadoda
 1/16/2019 9:51:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Tgt Ion: 114 Resp: 1326840
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:113 Resp: 1171463

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.2

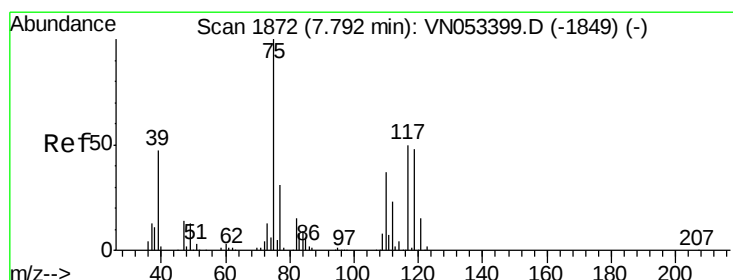
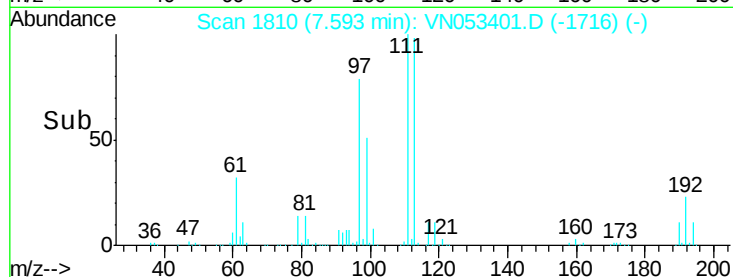
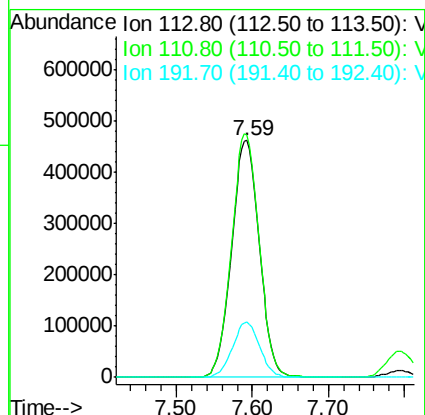
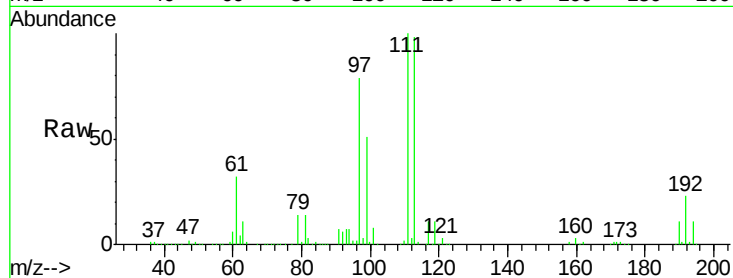
192 22.8 17.9 26.9

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 155.786 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

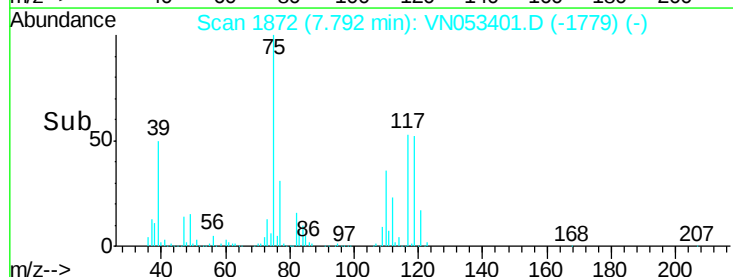
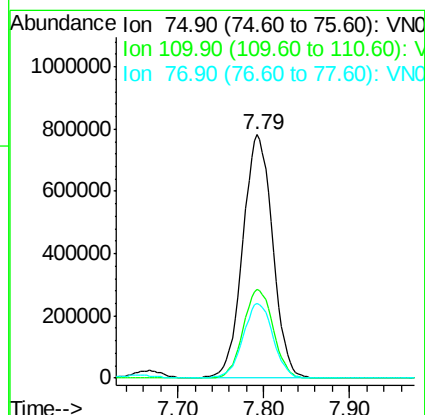
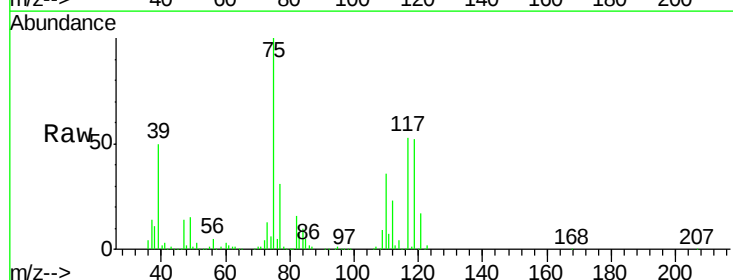
Tgt Ion: 75 Resp: 1882472

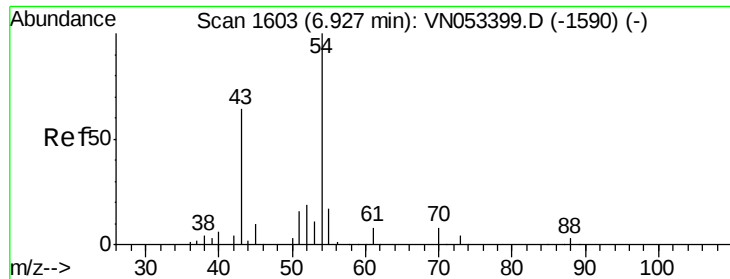
Ion Ratio Lower Upper

75 100

110 36.6 18.4 55.0

77 31.0 25.3 37.9





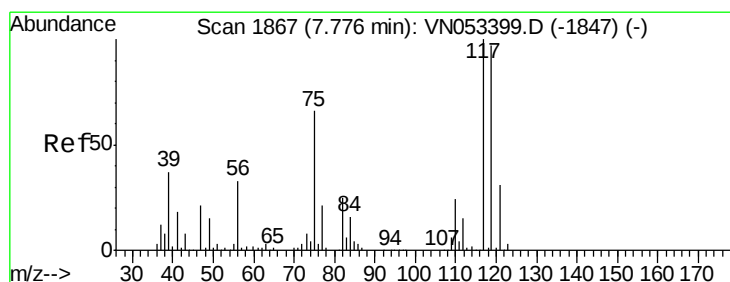
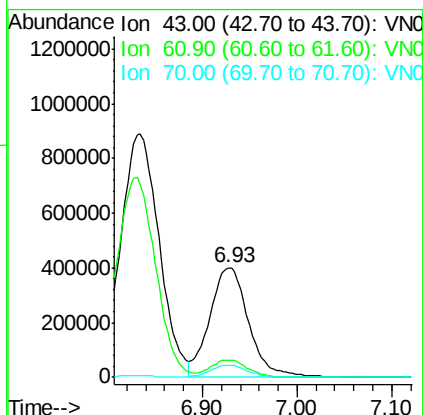
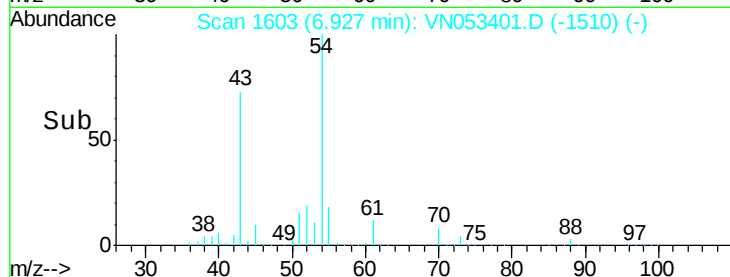
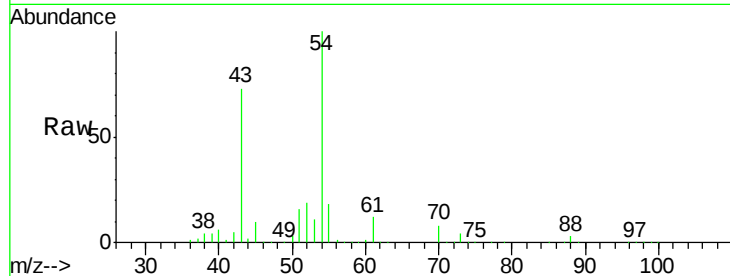
#37
Ethyl Acetate
Concen: 161.847 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1134513
Ion Ratio Lower Upper
43 100
61 15.4 11.9 17.9
70 11.1 8.6 13.0

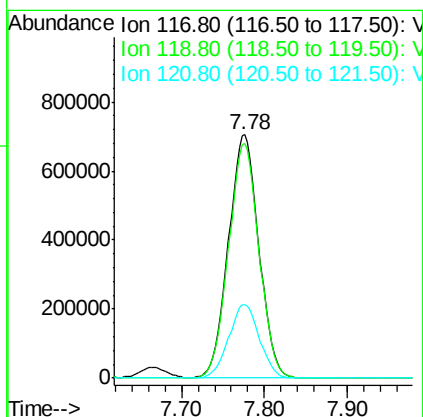
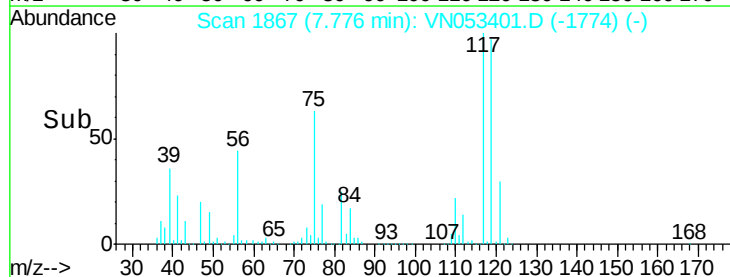
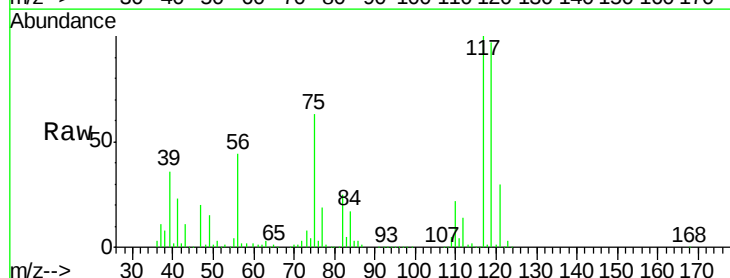
Manual Integrations
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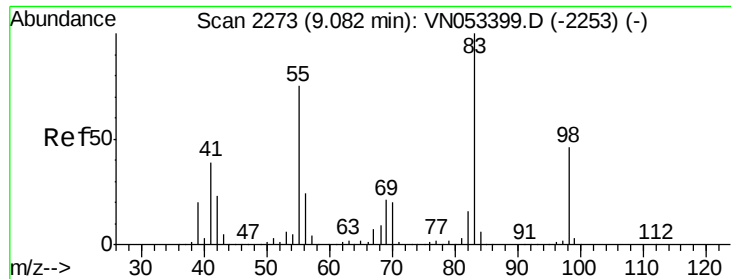
MMDadoda
1/16/2019 9:51:12 AM



#38
Carbon Tetrachloride
Concen: 156.399 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 117 Resp: 1789215
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0
121 30.4 25.0 37.4





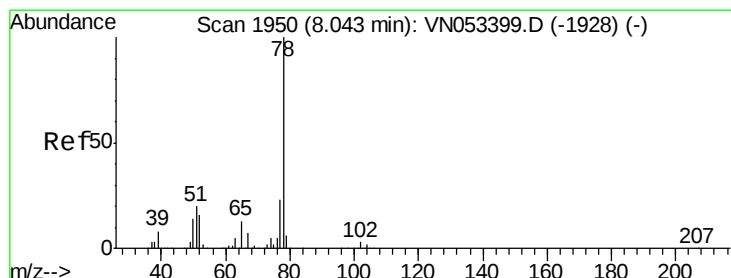
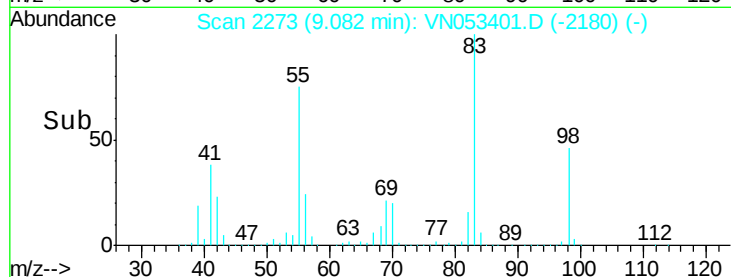
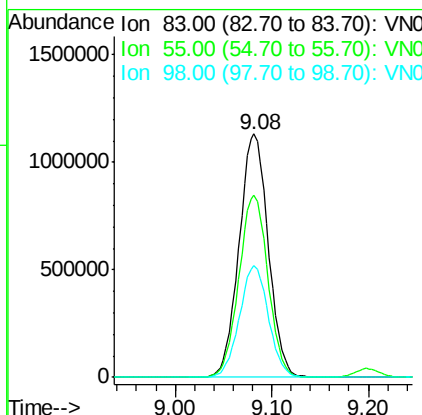
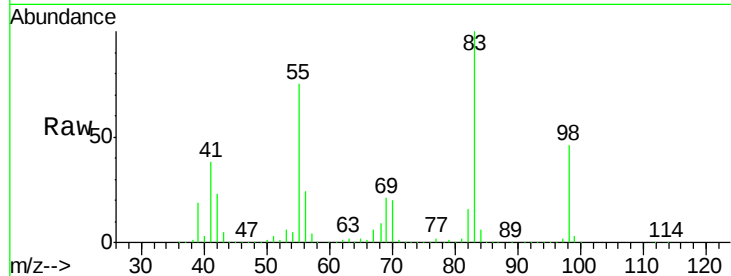
#39
Methvlcvclohexane
Concen: 158.718 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 2370512
Ion Ratio Lower Upper
83 100
55 74.8 60.1 90.1
98 45.8 36.7 55.1

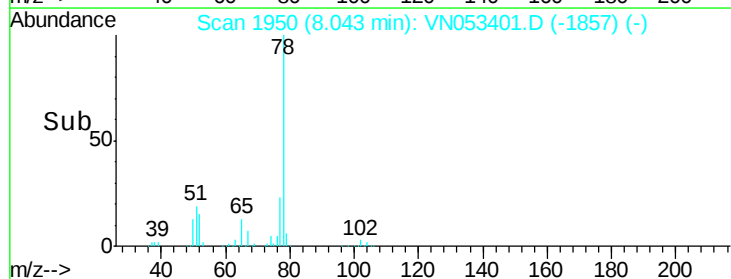
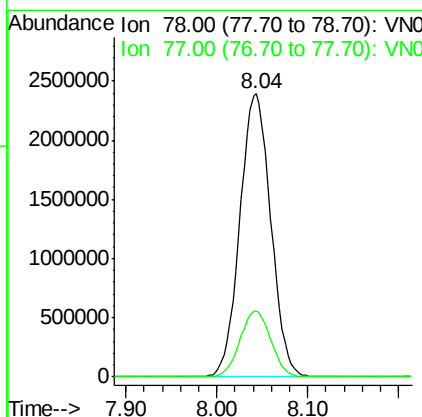
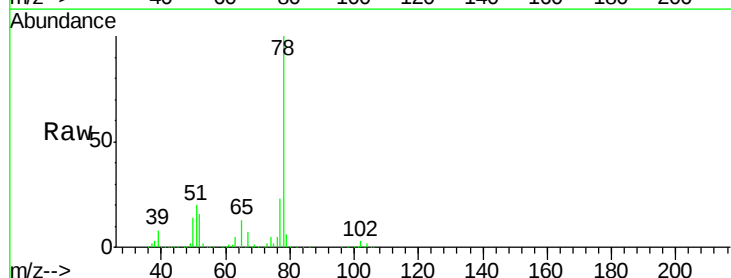
Manual Integrations
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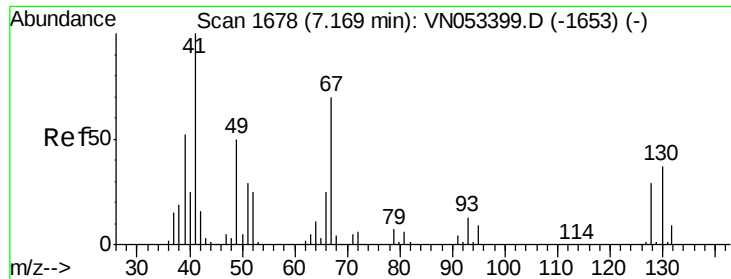
MMDadoda
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#40
Benzene
Concen: 153.386 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 78 Resp: 5632384
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





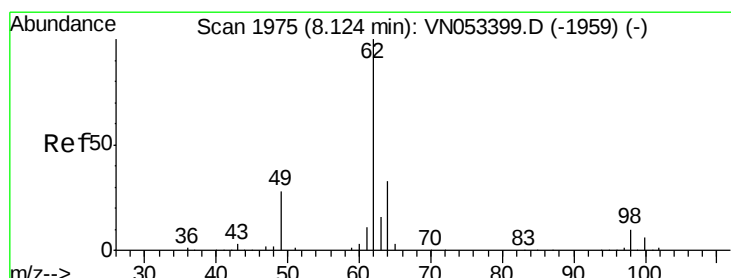
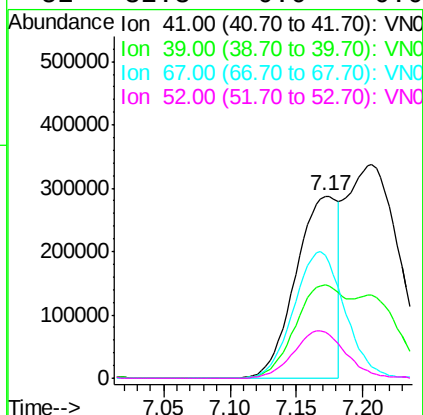
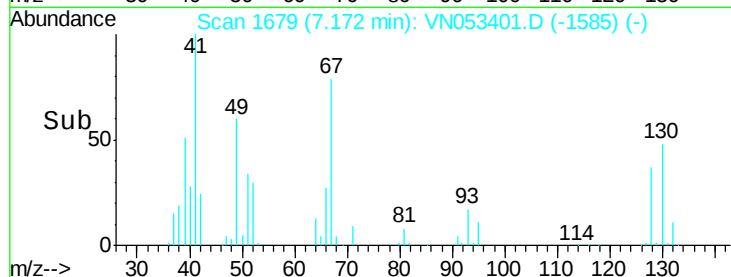
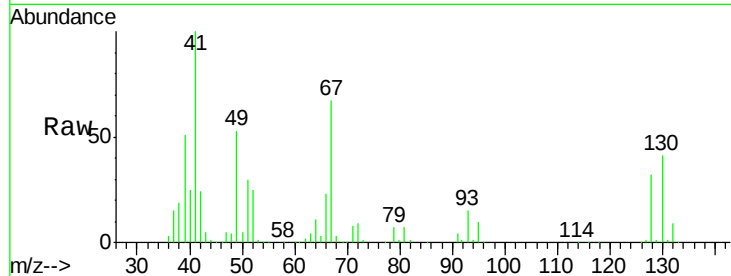
#41
Methacrylonitrile
Concen: 145.208 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.7	0.0	0.0	#
67	85.5	0.0	0.0	#
52	32.3	0.0	0.0	#

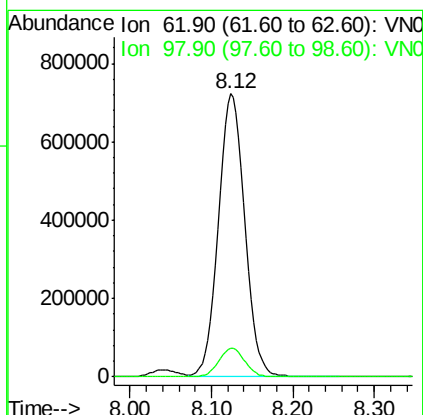
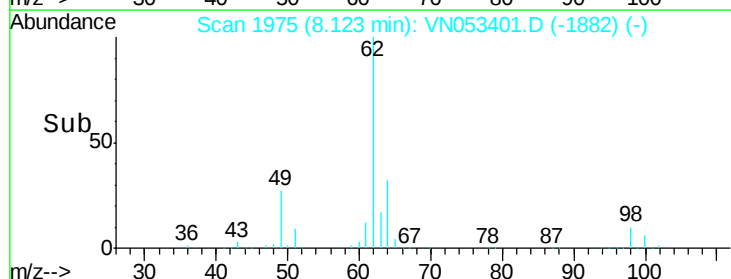
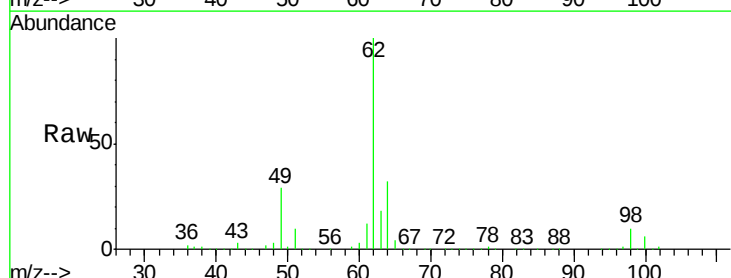
Manual Integrations
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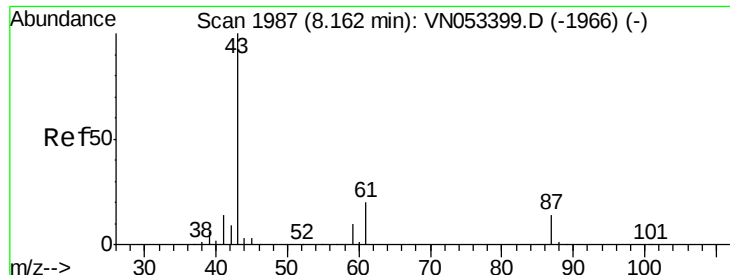
MMDadoda
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#42
1,2-Dichloroethane
Concen: 154.512 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	





#43

Isopropyl Acetate

Concen: 159.254 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2078778

Ion Ratio Lower Upper

43 100

61 30.3 23.3 34.9

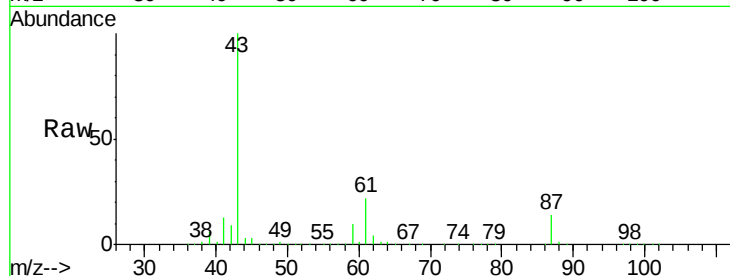
87 14.1 10.8 16.2

Manual Integrations

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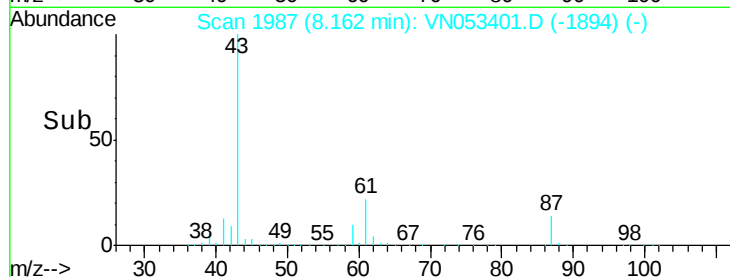


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)

Time-->



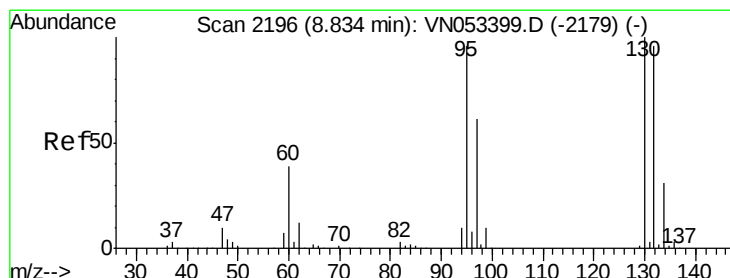
Abundance

Ion 43.00 (42.70 to 43.70): VN053401.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053401.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053401.D (-1894) (-)

Time-->



#44

Trichloroethene

Concen: 152.692 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053401.D

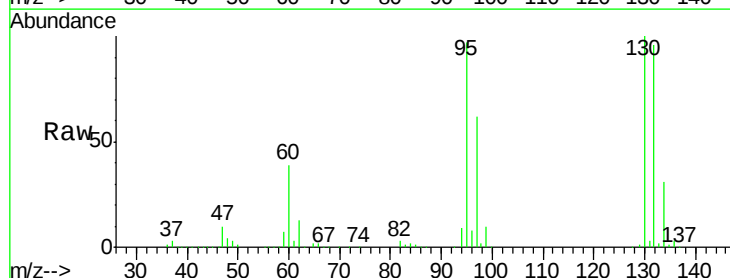
Acq: 15 Jan 2019 11:29

Tgt Ion:130 Resp: 1554876

Ion Ratio Lower Upper

130 100

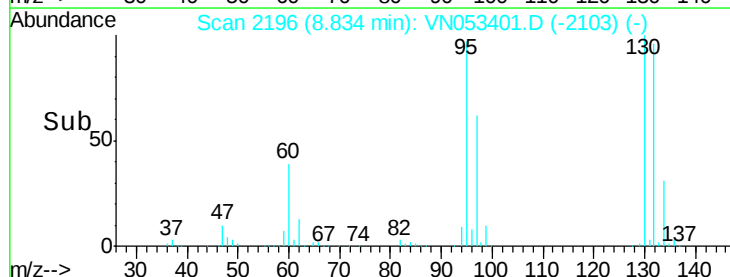
95 96.5 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

Time-->

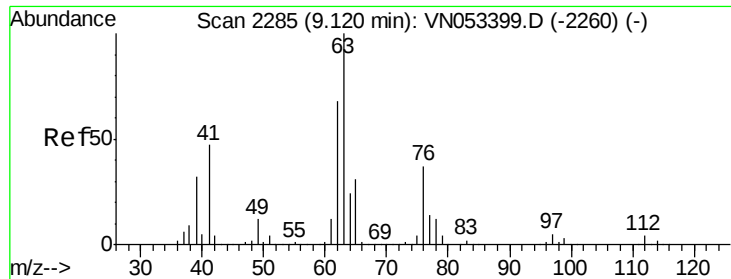


Abundance

Ion 129.80 (129.50 to 130.50): VN053401.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053401.D (-2103) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 153.953 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1497353

Ion Ratio Lower Upper

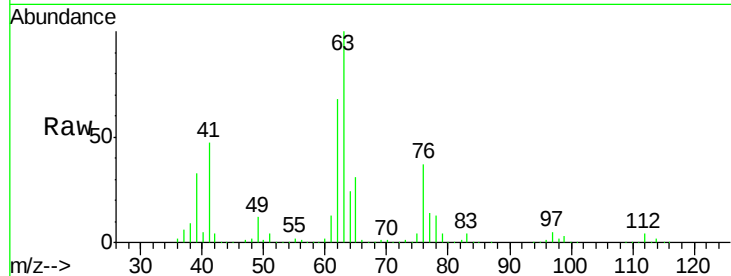
63 100

65 31.0 25.0 37.6

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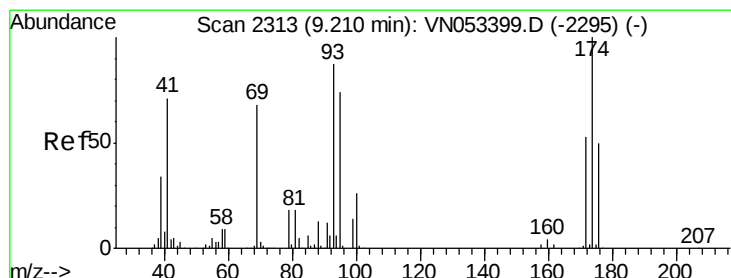
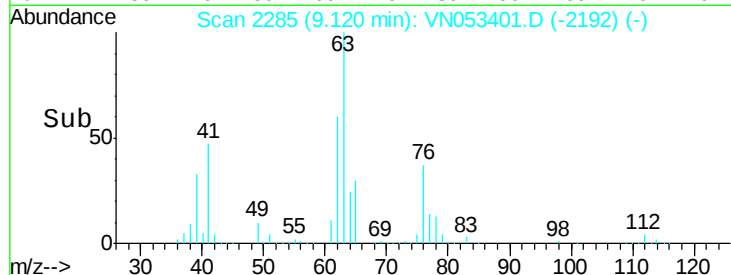
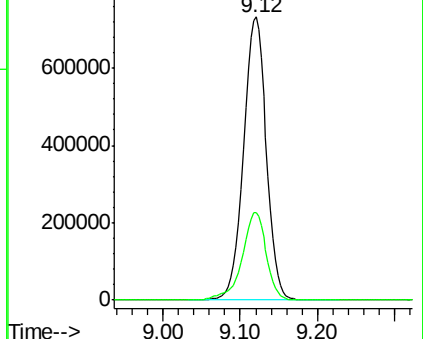
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 154.057 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

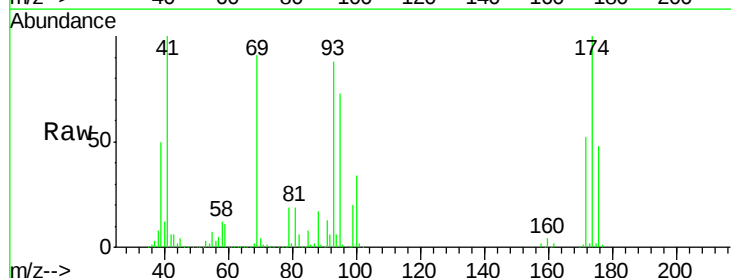
Tgt Ion: 93 Resp: 860868

Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

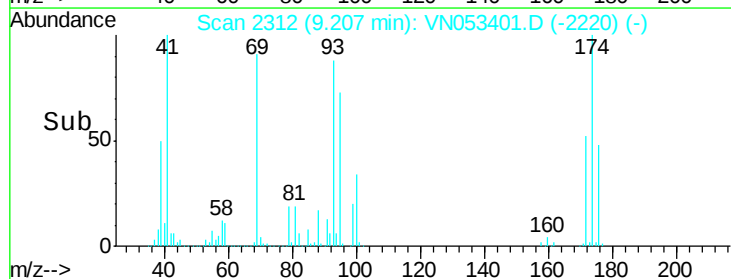
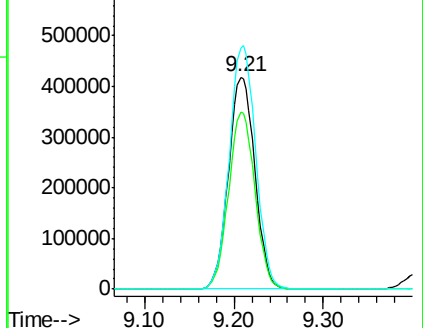
174 114.8 91.4 137.0

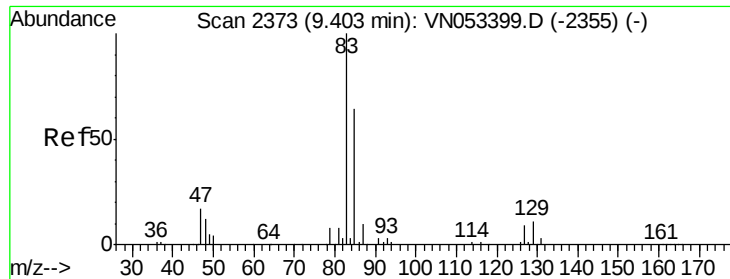


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 157.470 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1850498

Ion Ratio Lower Upper

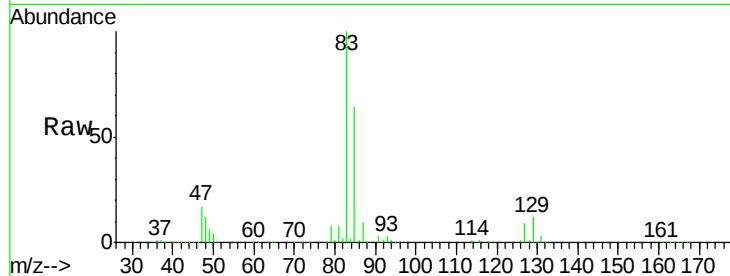
83 100

85 64.2 51.7 77.5

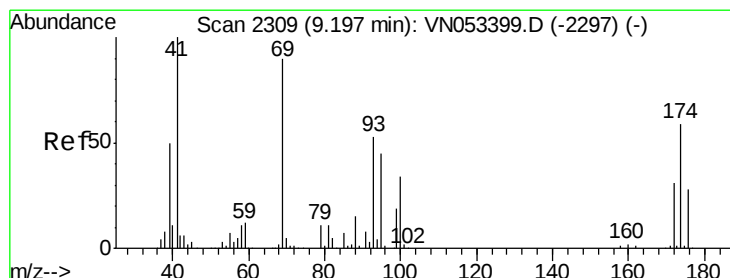
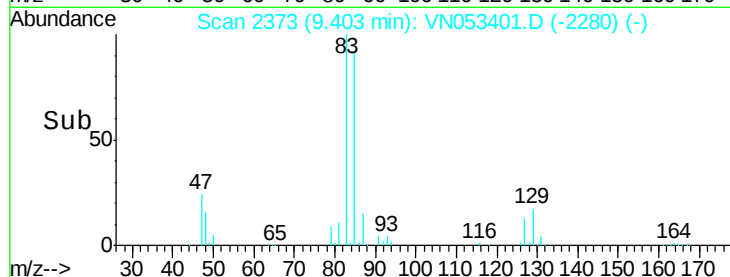
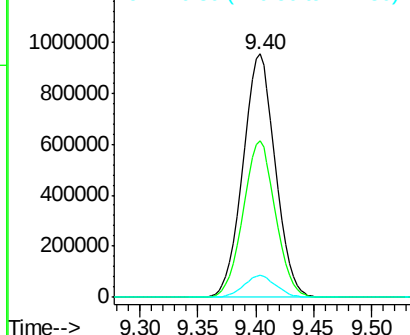
127 8.9 7.0 10.6

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 167.380 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

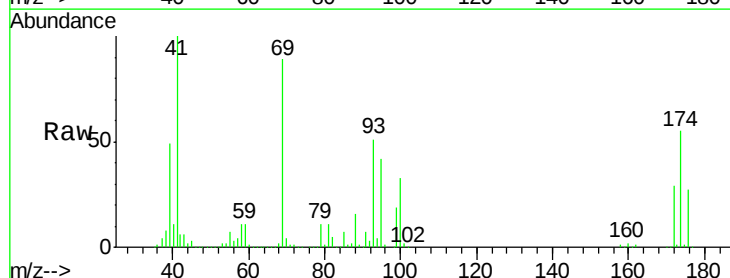
Tgt Ion: 41 Resp: 1080338

Ion Ratio Lower Upper

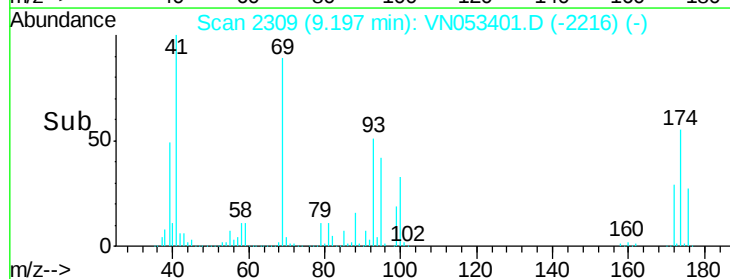
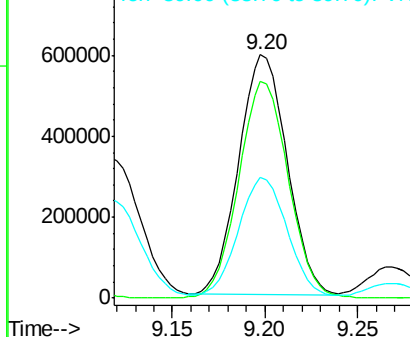
41 100

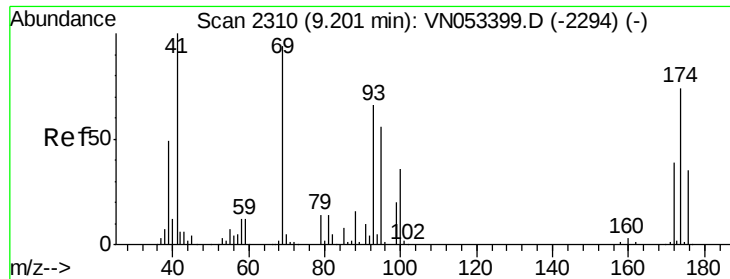
69 92.8 73.5 110.3

39 51.7 41.6 62.4



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 3184.690 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 200748

Ion Ratio Lower Upper

88 100

43 34.5 26.2 39.4

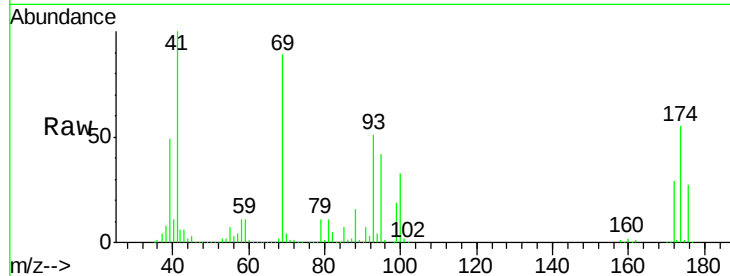
58 70.2 55.5 83.3

Manual Integrations

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MMDadoda

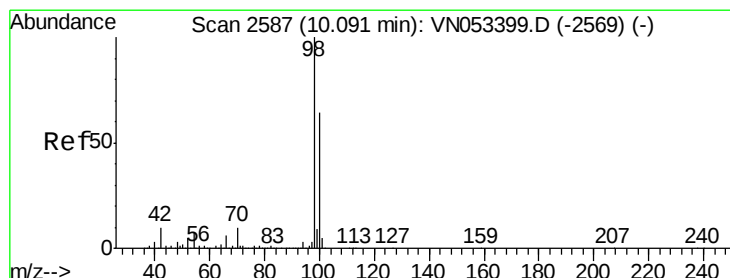
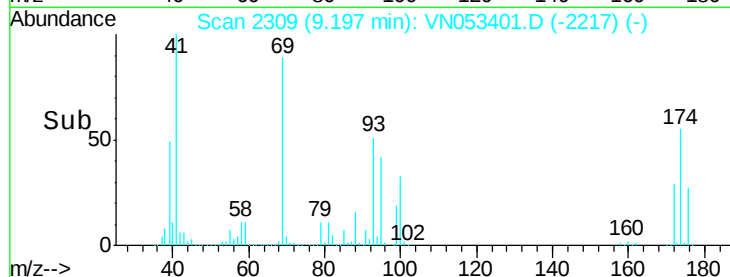
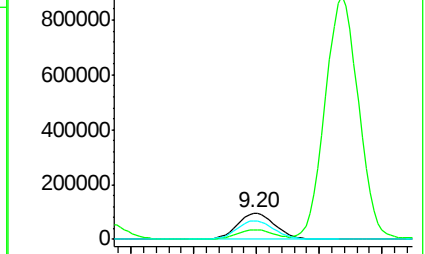
1/16/2019 9:51:12 AM



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 3184.690 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053401.D

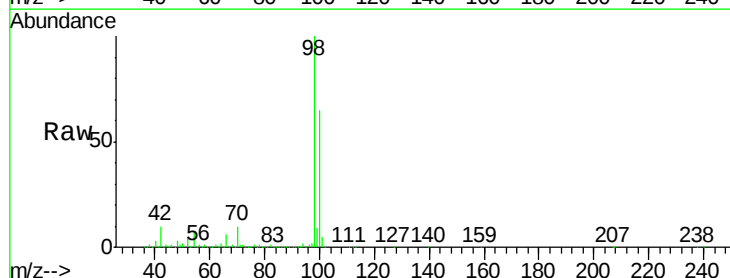
Acq: 15 Jan 2019 11:29

Tgt Ion: 98 Resp: 4888035

Ion Ratio Lower Upper

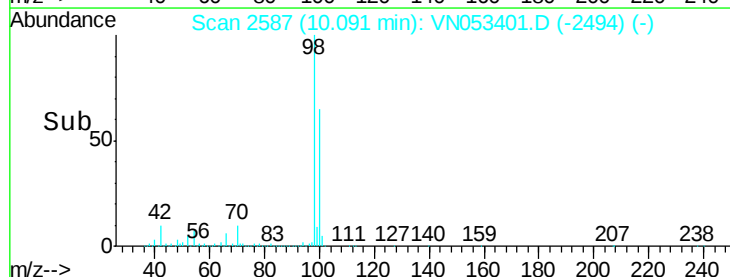
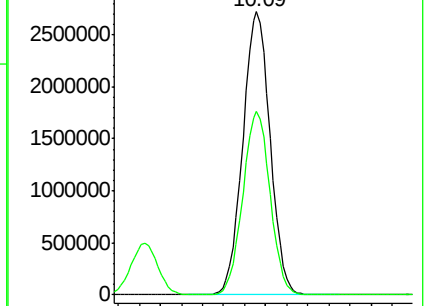
98 100

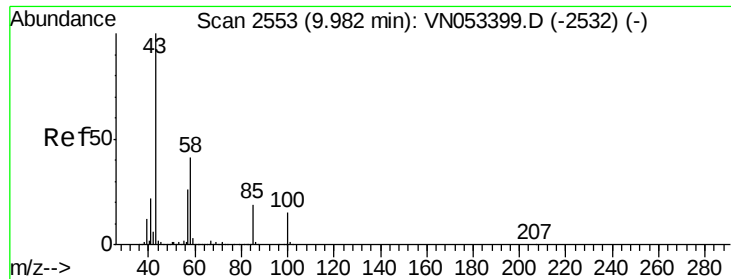
100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)





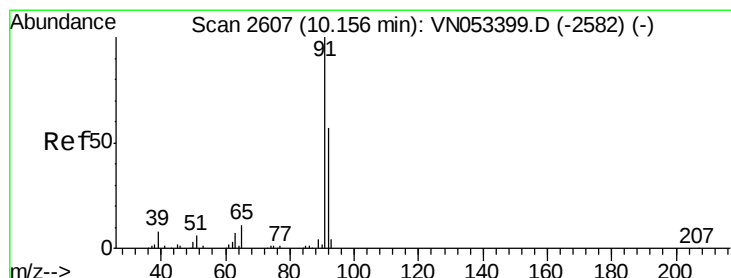
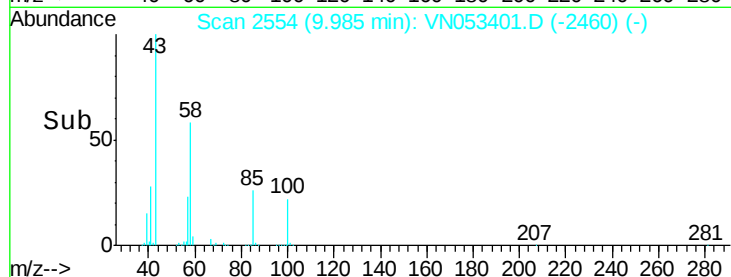
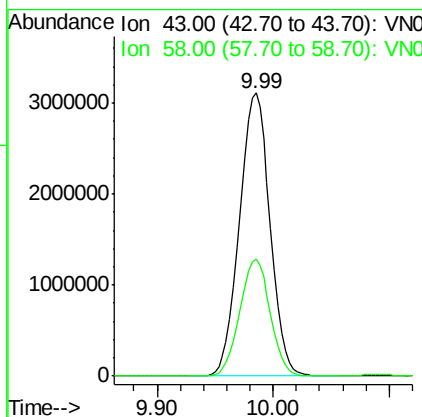
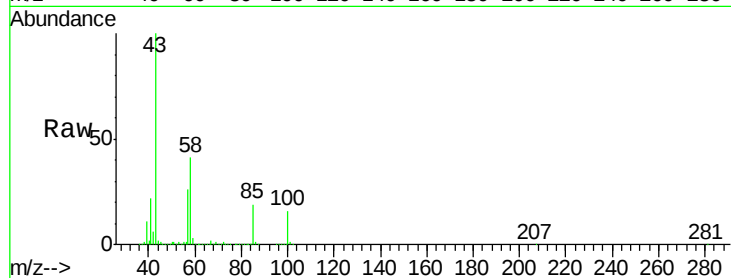
#51
4-Methyl-2-Pentanone
Concen: 830.496 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5667358
Ion Ratio Lower Upper
43 100
58 41.2 32.7 49.1

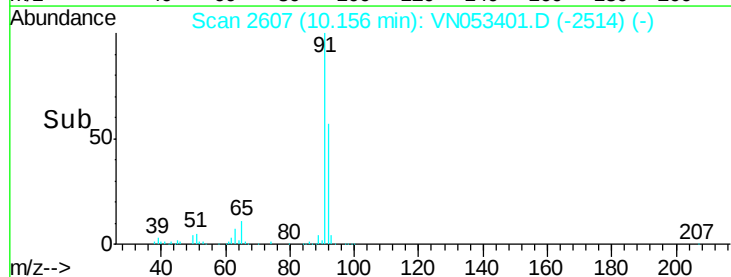
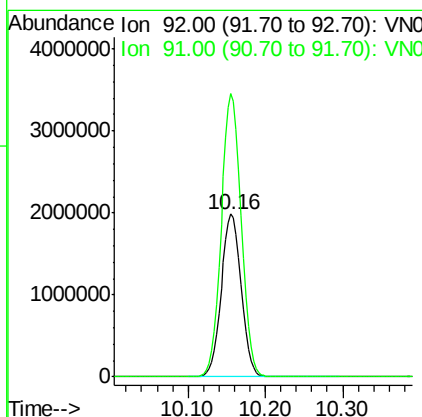
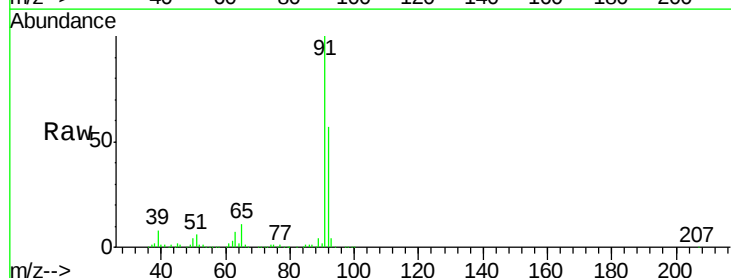
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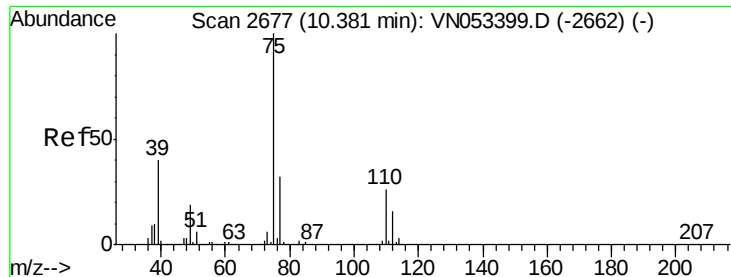
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#52
Toluene
Concen: 155.926 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 92 Resp: 3554592
Ion Ratio Lower Upper
92 100
91 174.2 138.6 208.0





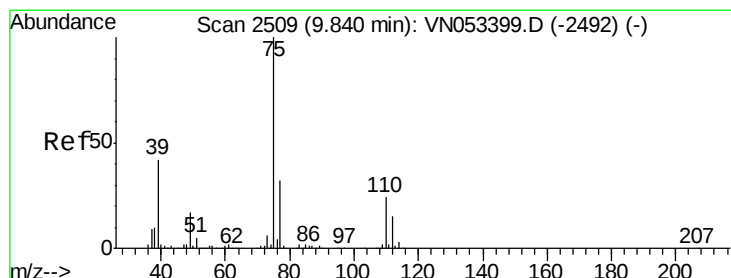
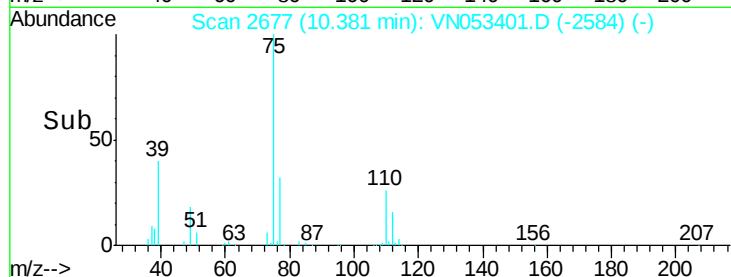
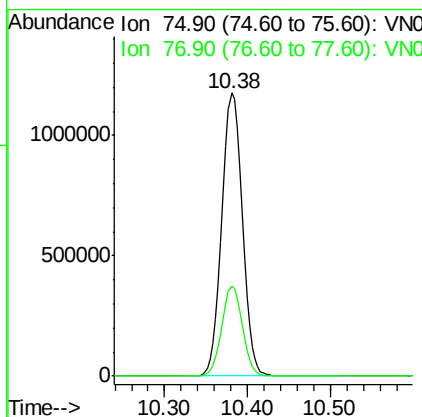
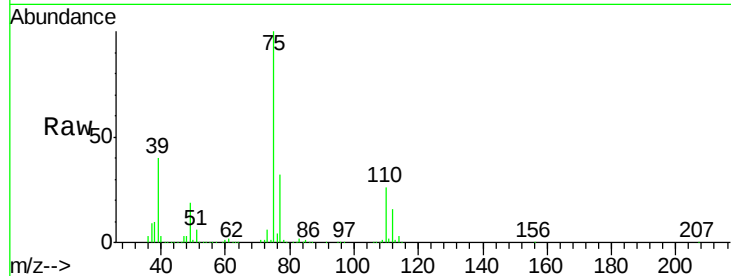
#53
t-1,3-Dichloropropene
Concen: 169.959 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 2024430
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.4

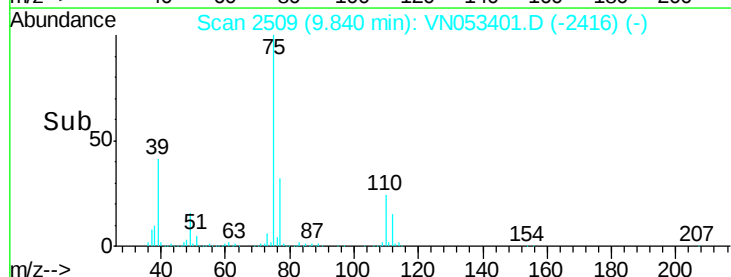
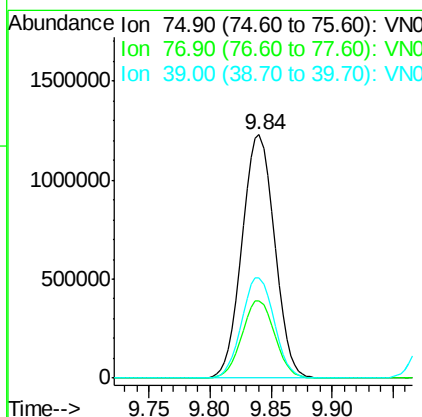
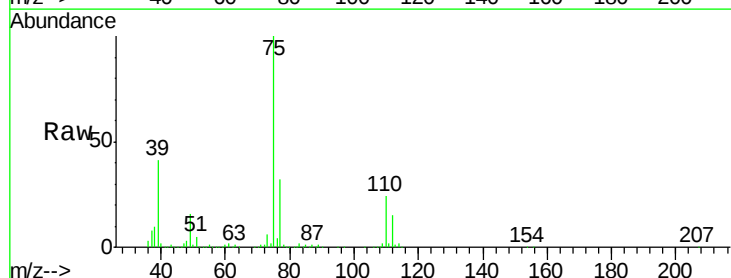
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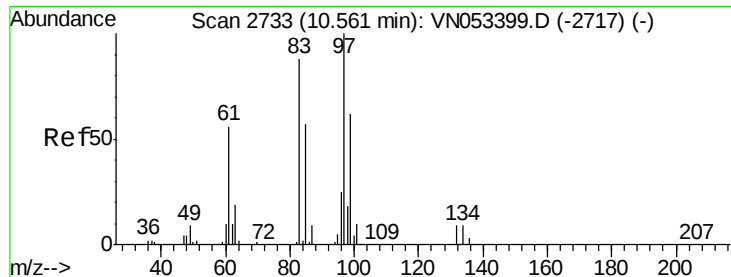
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#54
cis-1,3-Dichloropropene
Concen: 162.357 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 75 Resp: 2266995
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 41.3 33.1 49.7





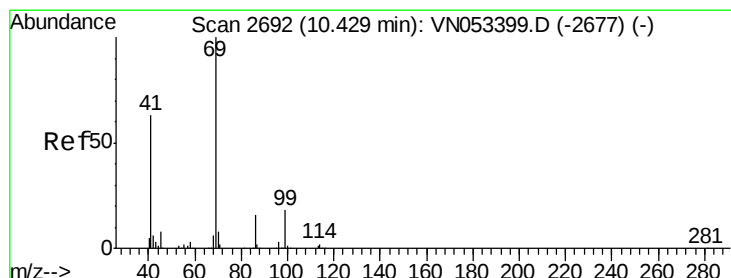
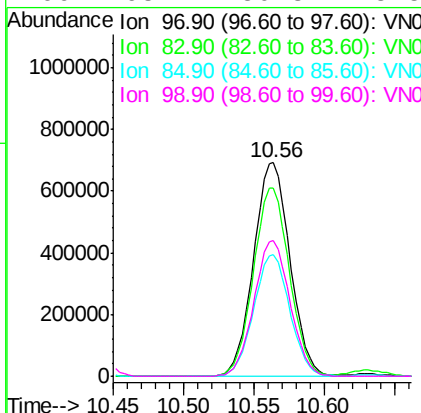
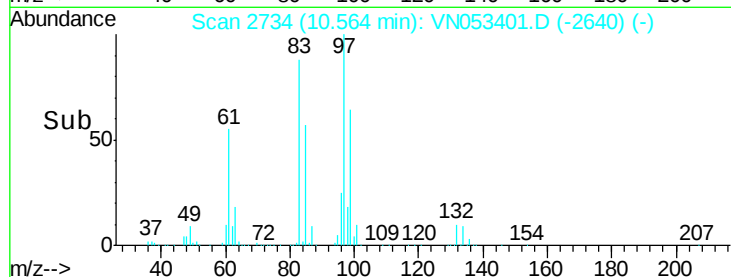
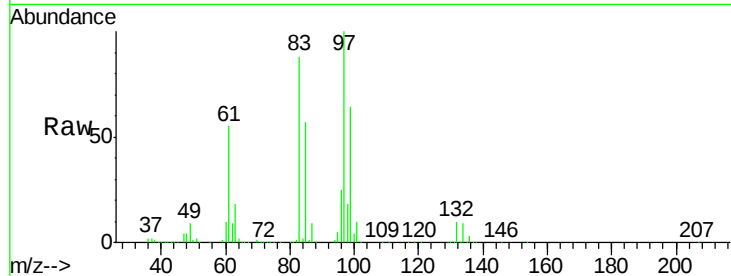
#55
 1,1,2-Trichloroethane
 Concen: 158.941 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.9	69.1	103.7	
85	56.9	44.2	66.4	
99	63.7	50.3	75.5	

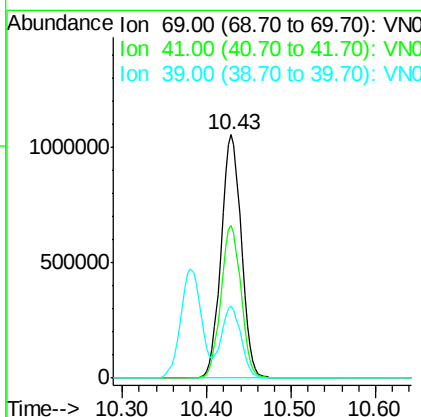
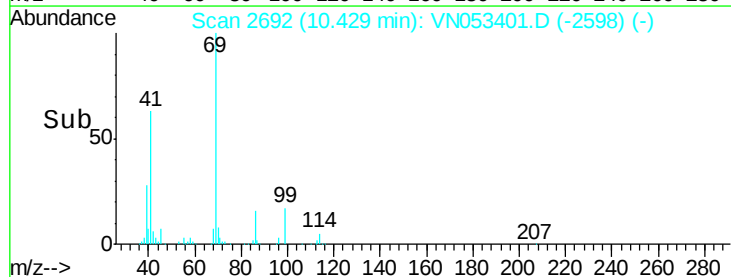
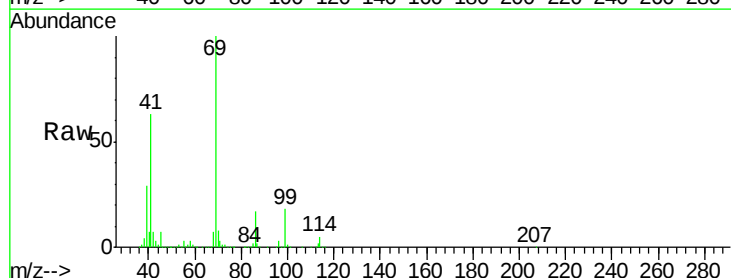
Manual Integrations
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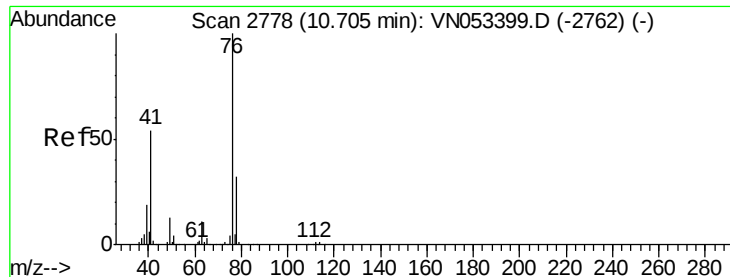
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#56
 Ethyl methacrylate
 Concen: 152.564 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	62.2	49.2	73.8	
39	29.2	23.4	35.0	





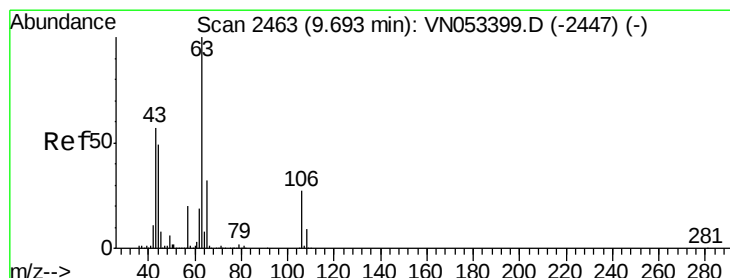
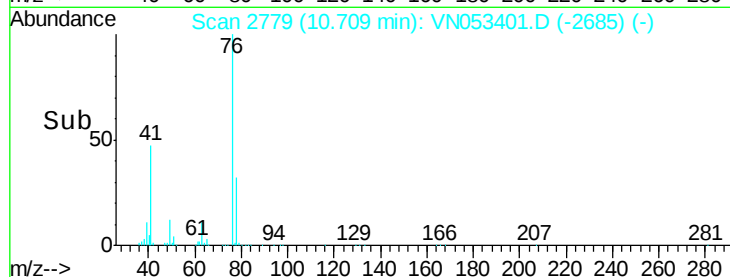
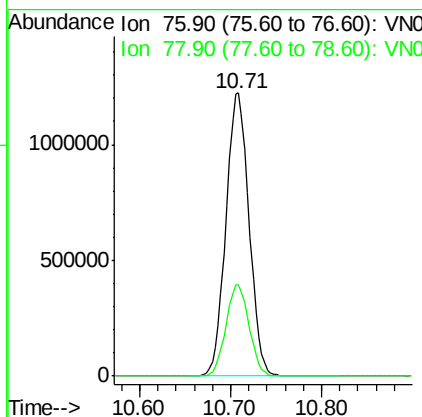
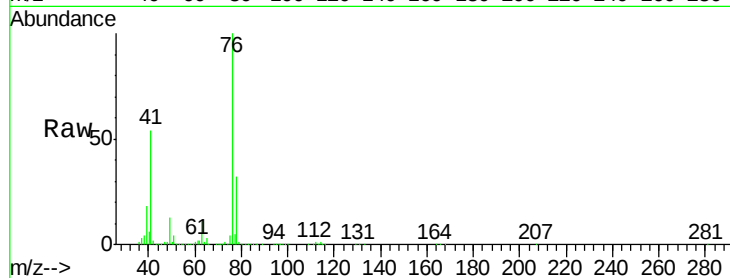
#57
 1,3-Dichloropropane
 Concen: 158.481 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 2154704
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

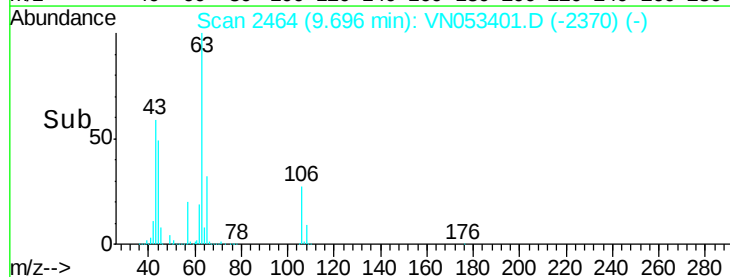
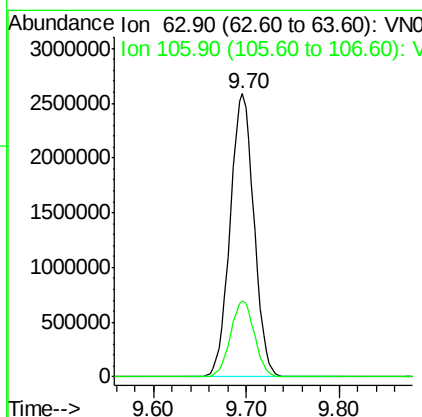
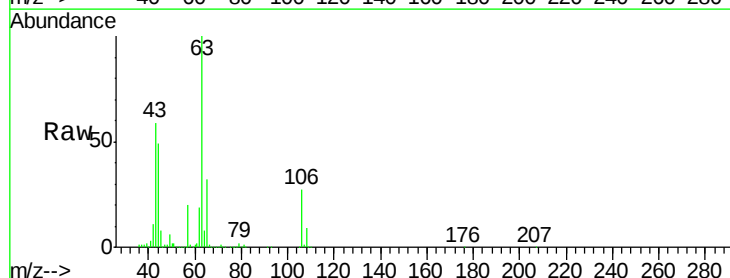
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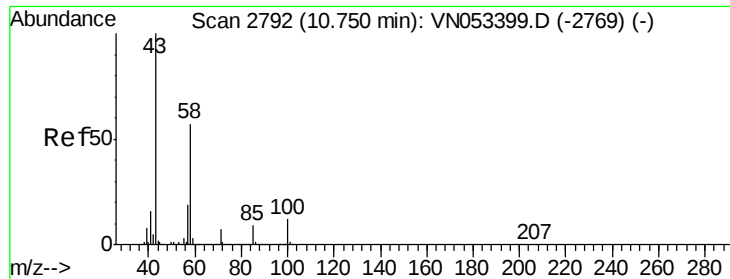
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#58
 2-Chloroethyl Vinyl ether
 Concen: 834.897 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Tgt Ion: 63 Resp: 4590587
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5





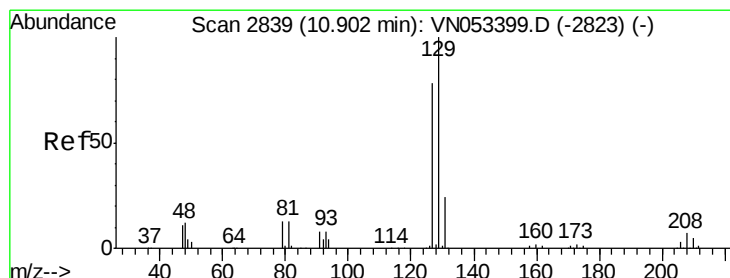
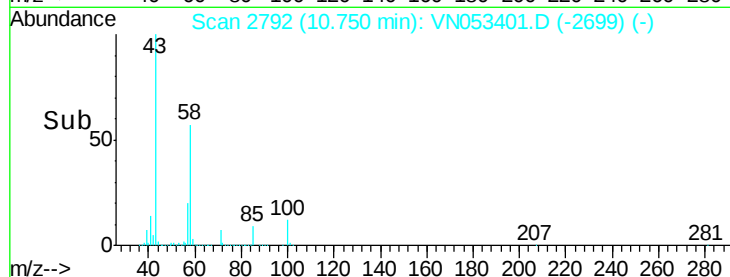
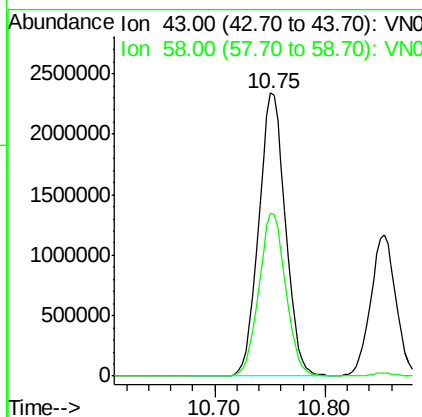
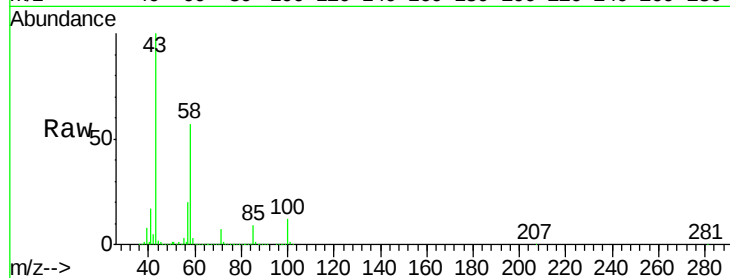
#59
2-Hexanone
Concen: 819.223 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3924416
Ion Ratio Lower Upper
43 100
58 57.7 28.3 85.0

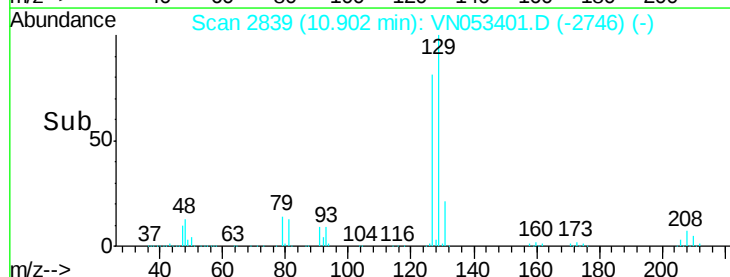
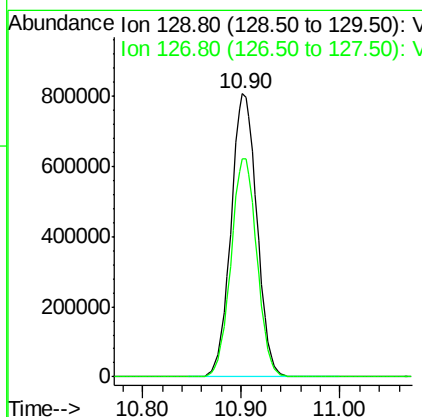
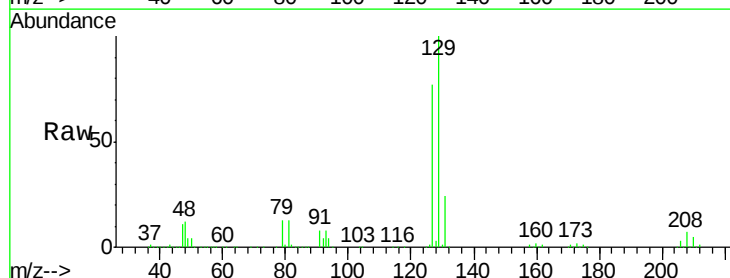
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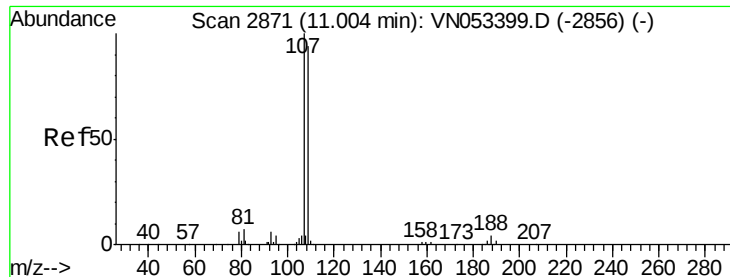
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#60
Dibromochloromethane
Concen: 165.594 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 129 Resp: 1476157
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2





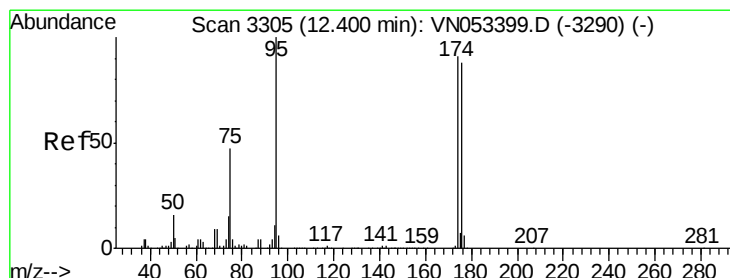
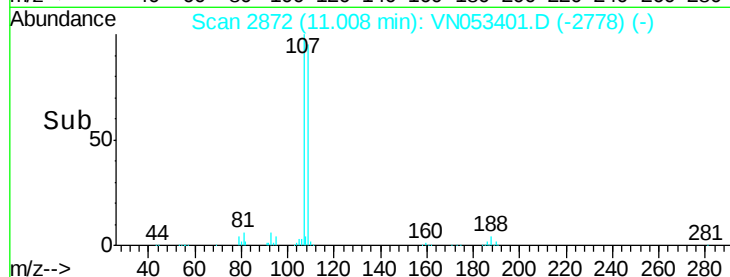
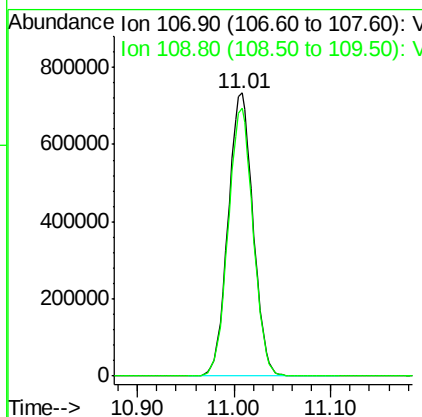
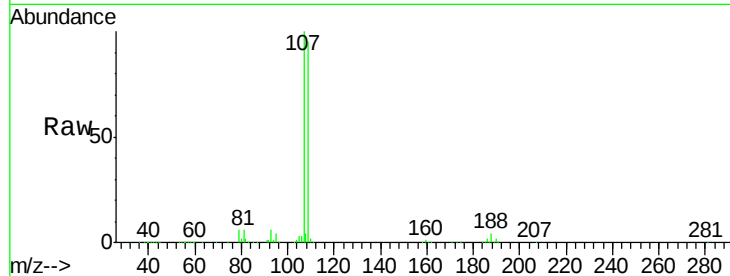
#61
 1,2-Dibromoethane
 Concen: 164.988 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 1311445
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6

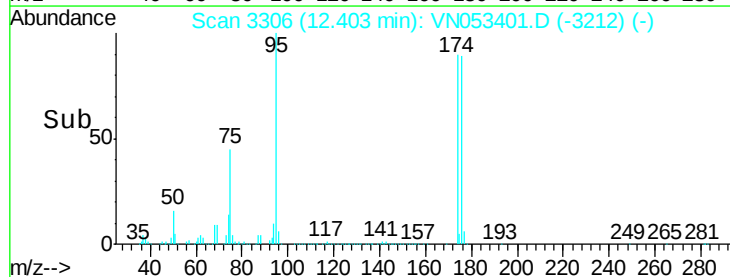
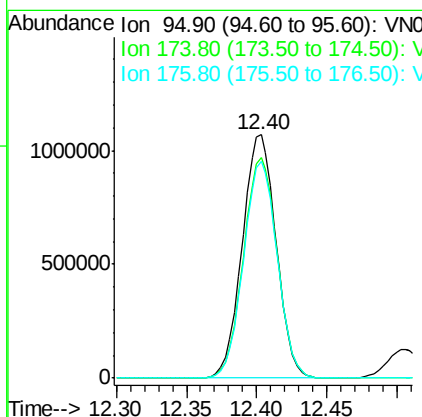
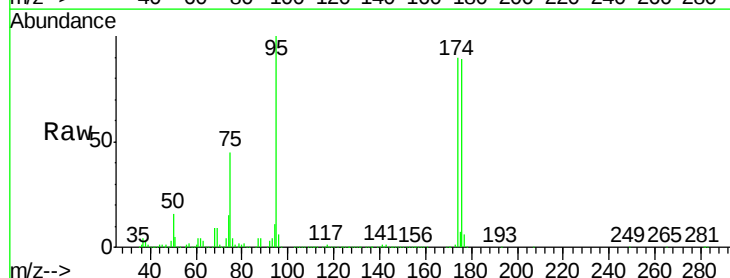
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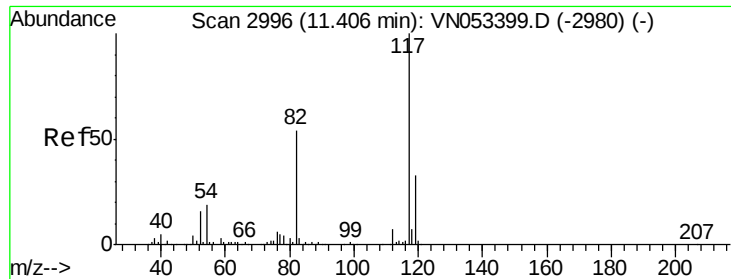
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#62
 4-Bromofluorobenzene
 Concen: 164.988 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Tgt Ion: 95 Resp: 1798996
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 180.4
 176 88.6 0.0 175.6





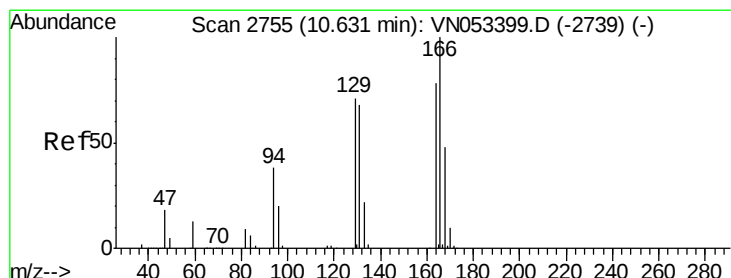
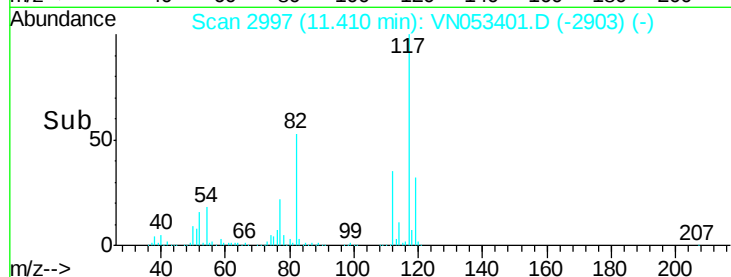
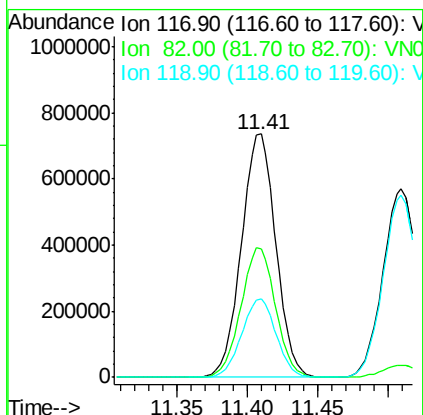
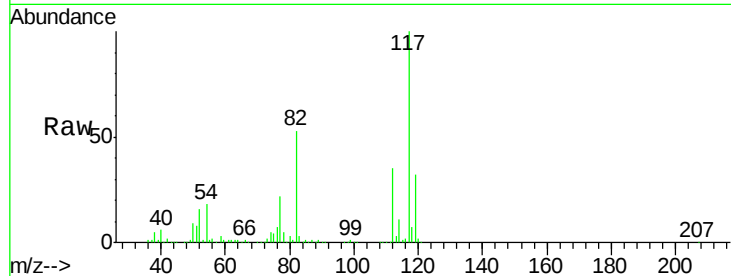
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.9	64.3
119	32.2	25.6	38.4

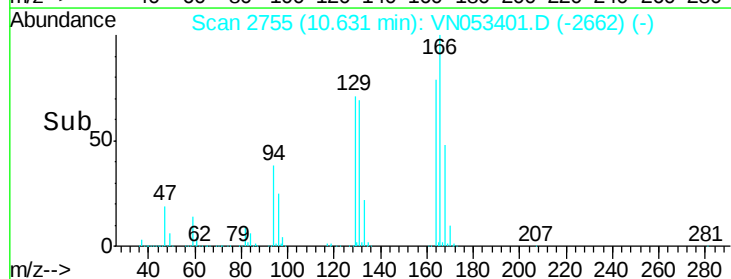
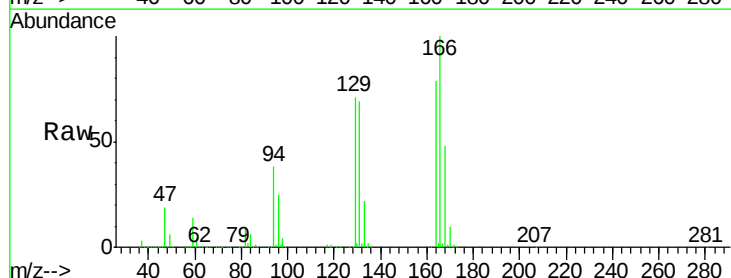
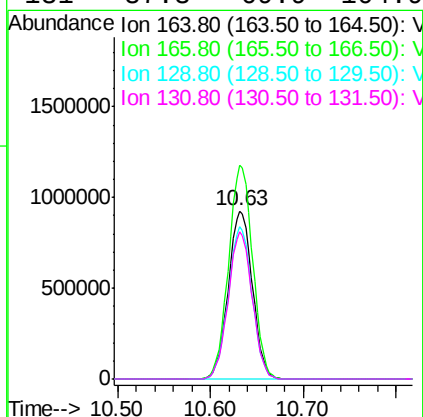
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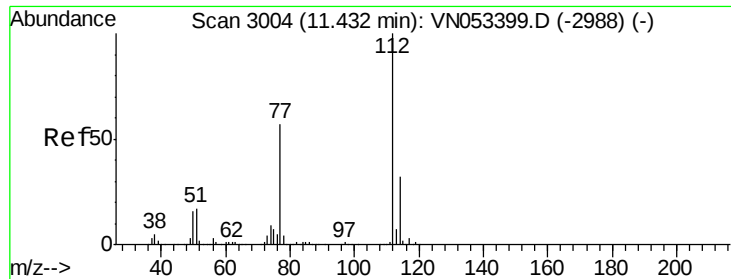
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#64
Tetrachloroethene
Concen: 140.348 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.7	152.5
129	90.7	72.1	108.1
131	87.3	69.9	104.9





#65

Chlorobenzene

Concen: 153.929 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:112 Resp: 4097675

Ion Ratio Lower Upper

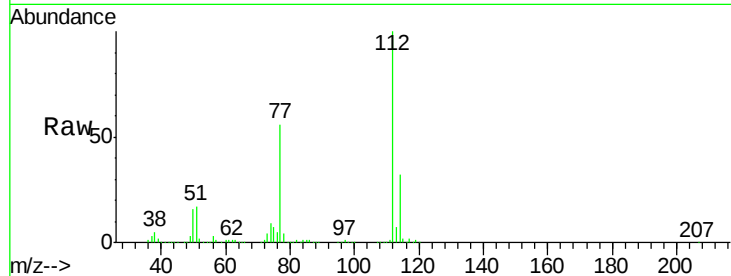
112 100

114 32.0 25.6 38.4

Manual Integrations
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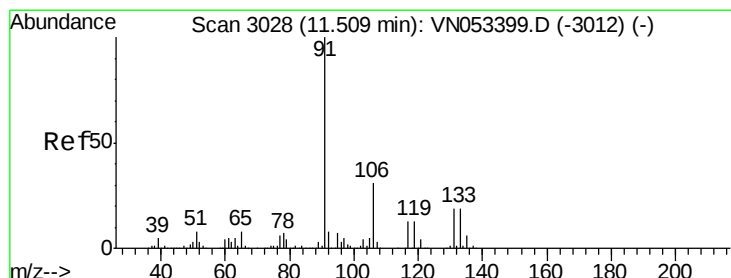
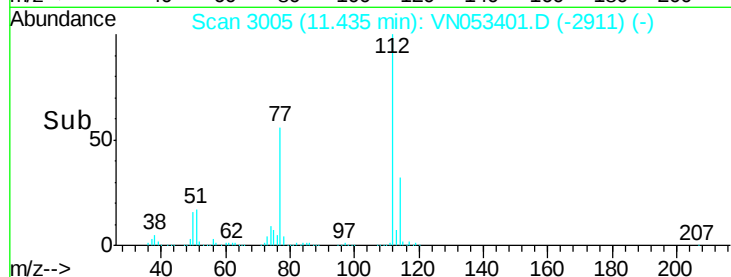
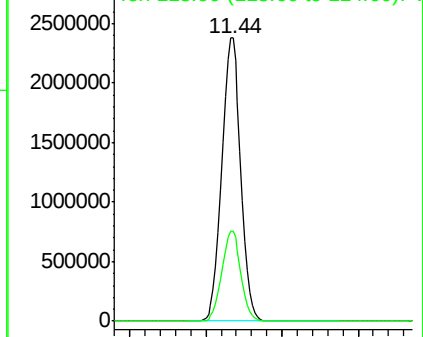
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 156.333 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

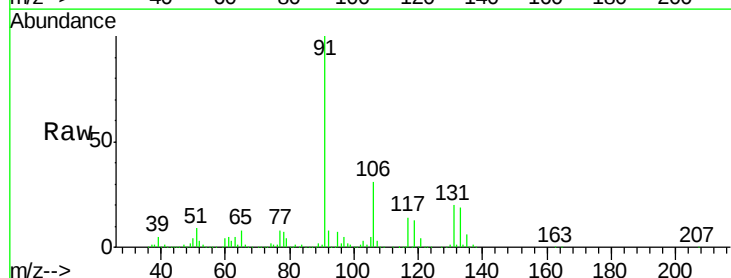
Tgt Ion:131 Resp: 1447785

Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.0

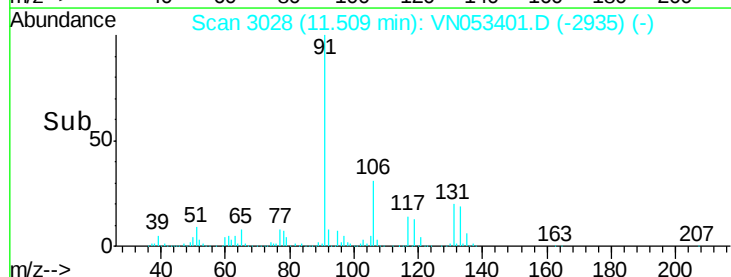
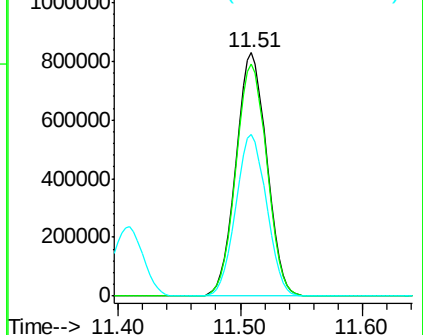
119 66.5 33.3 99.9

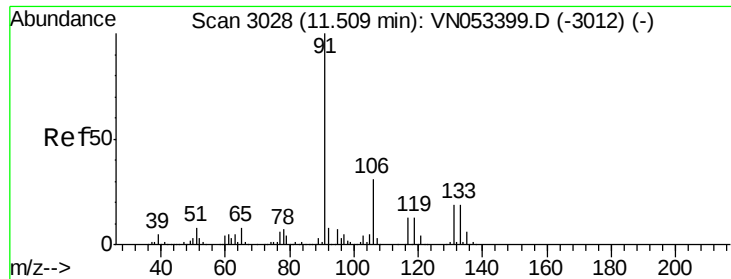


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 156.136 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 7083574

Ion Ratio Lower Upper

91 100

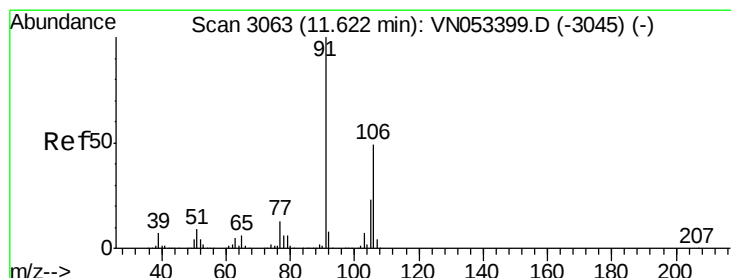
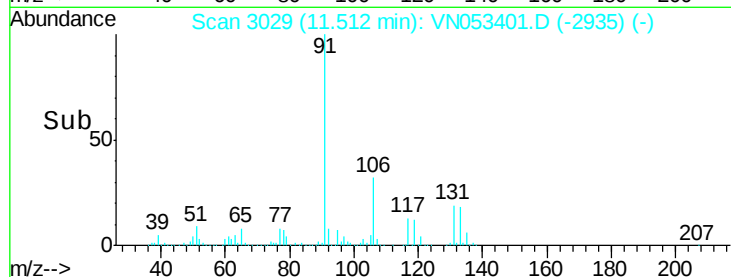
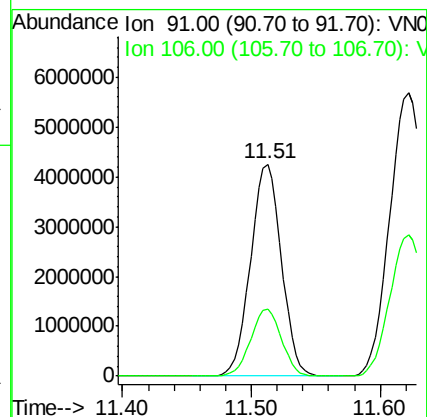
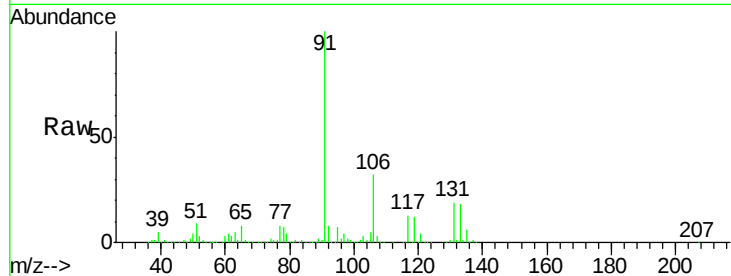
106 31.5 25.0 37.4

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#68

m/p-Xylenes

Concen: 315.366 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053401.D

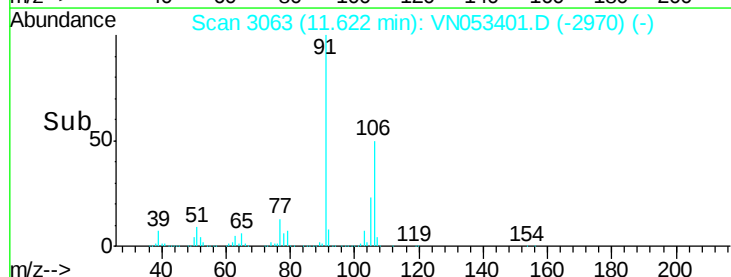
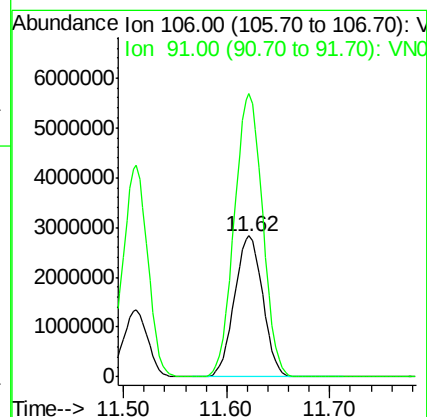
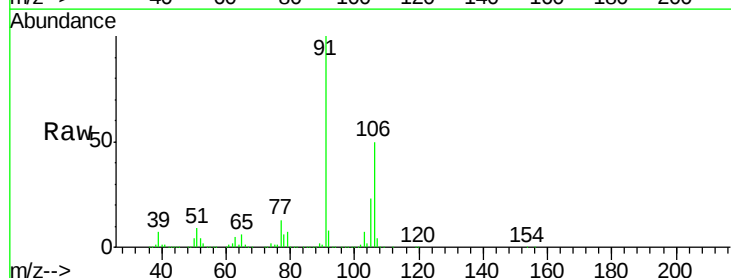
Acq: 15 Jan 2019 11:29

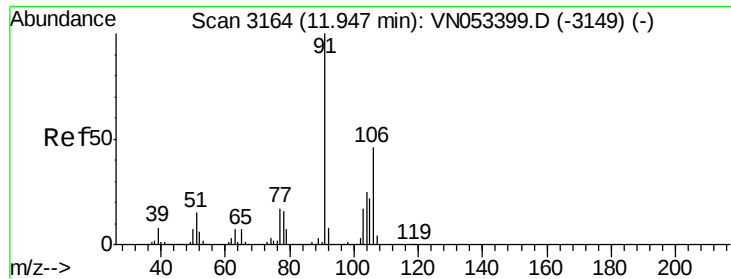
Tgt Ion: 106 Resp: 5401882

Ion Ratio Lower Upper

106 100

91 201.0 161.4 242.2





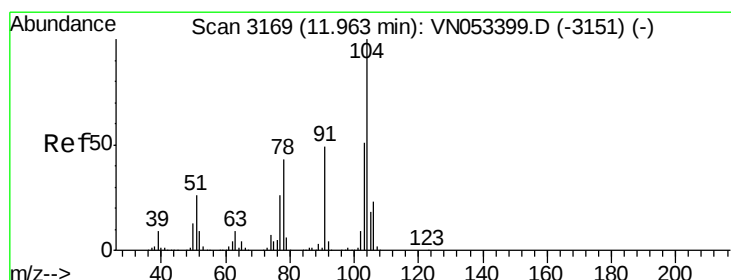
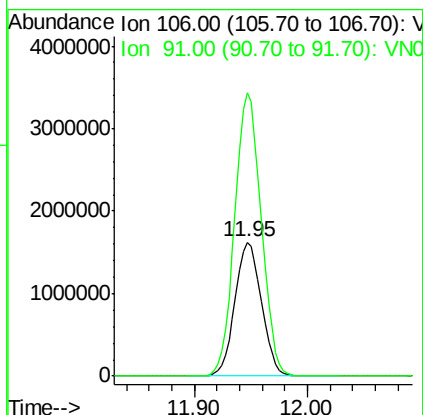
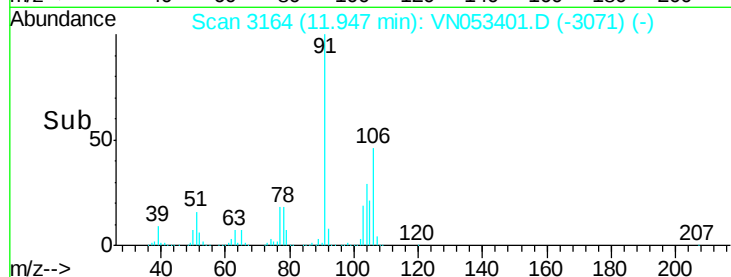
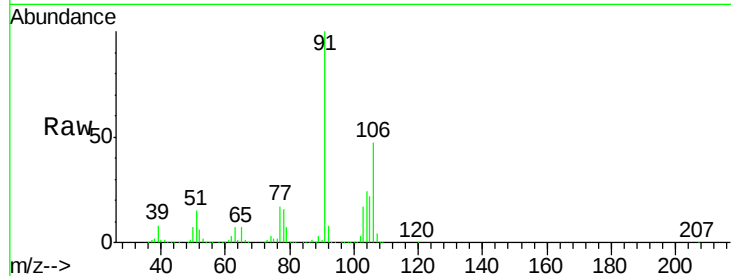
#69
o-Xylene
Concen: 159.236 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2650317
Ion Ratio Lower Upper
106 100
91 211.2 106.8 320.4

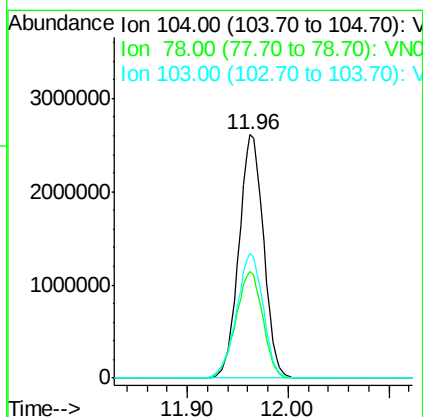
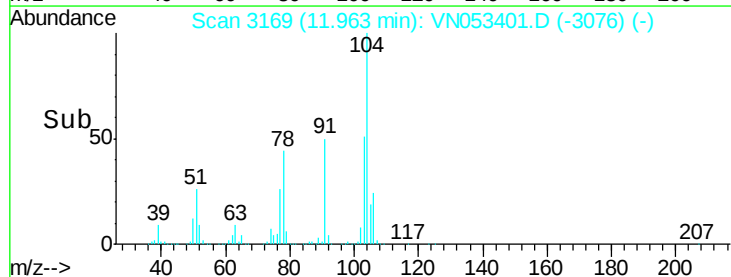
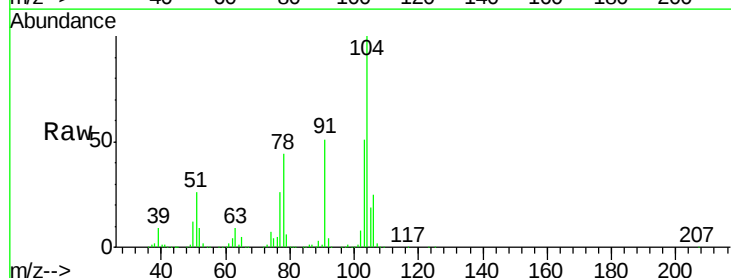
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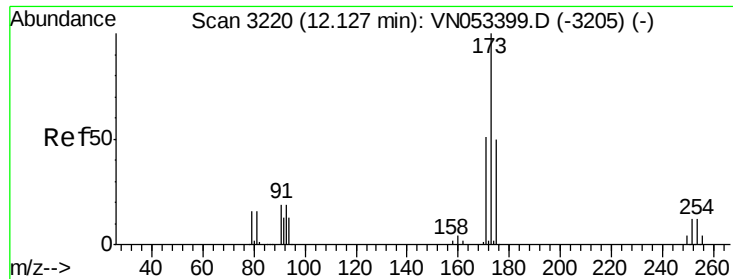
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#70
Styrene
Concen: 162.835 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion:104 Resp: 4398641
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.5 44.5 66.7





#71

Bromoform

Concen: 169.904 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1083240

Ion Ratio Lower Upper

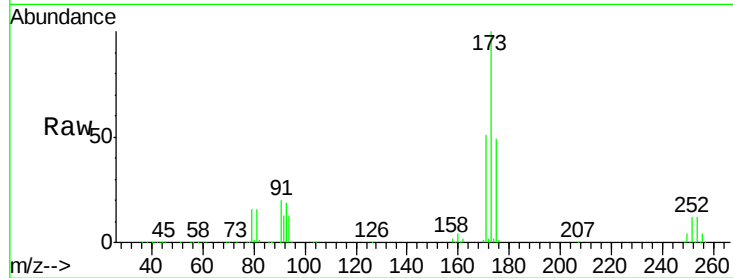
173 100

175 48.8 24.3 72.8

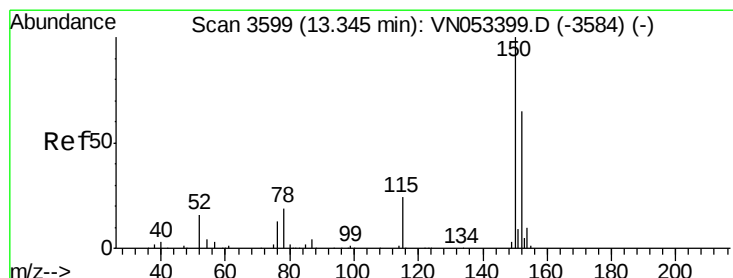
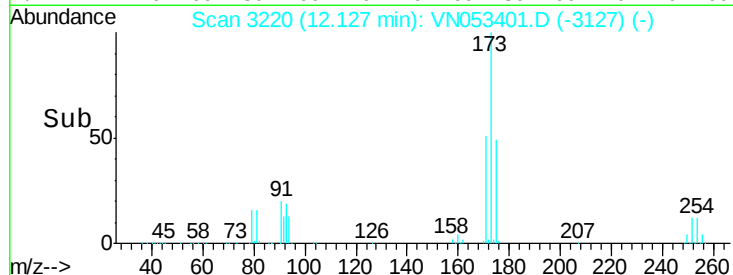
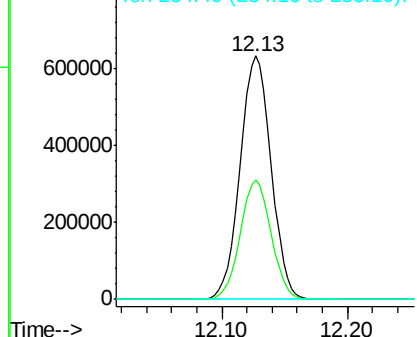
254 0.1 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

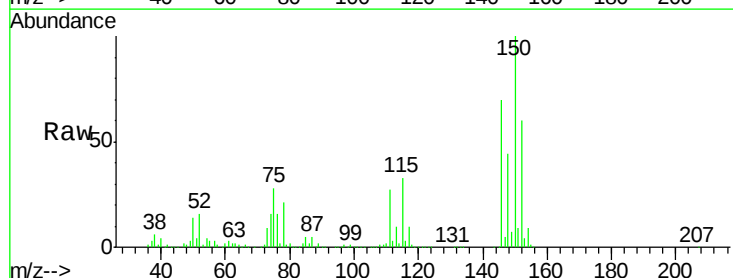
Tgt Ion:152 Resp: 626415

Ion Ratio Lower Upper

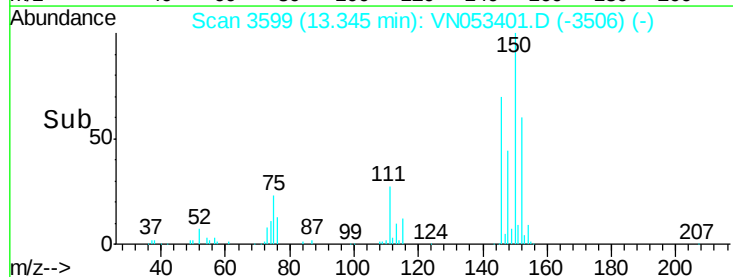
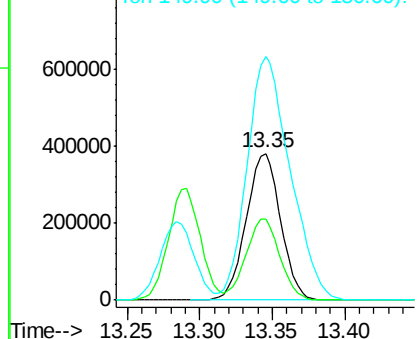
152 100

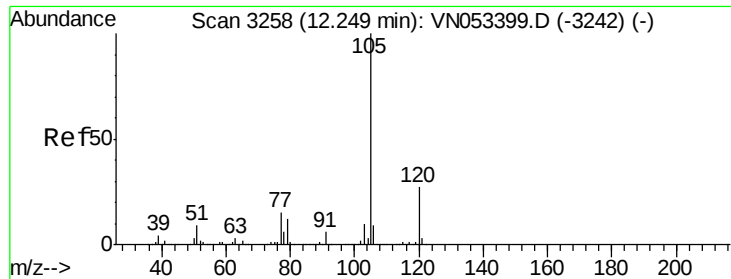
115 54.6 28.0 84.0

150 208.1 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 152.210 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6982305

Ion Ratio Lower Upper

105 100

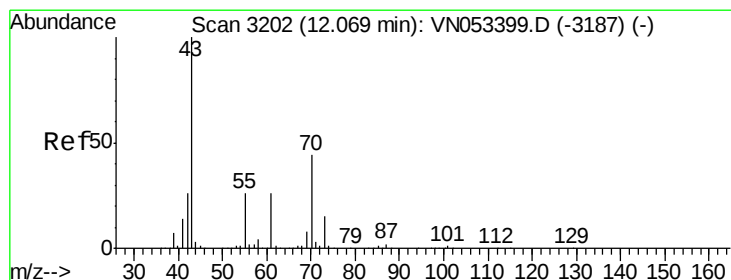
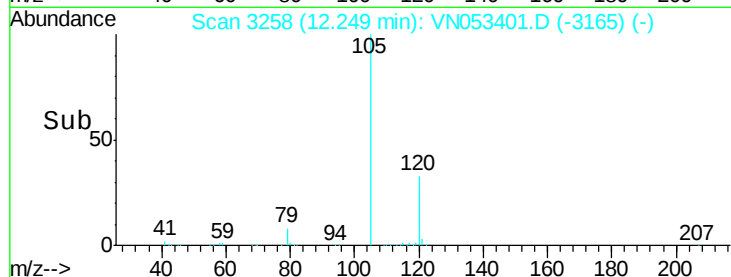
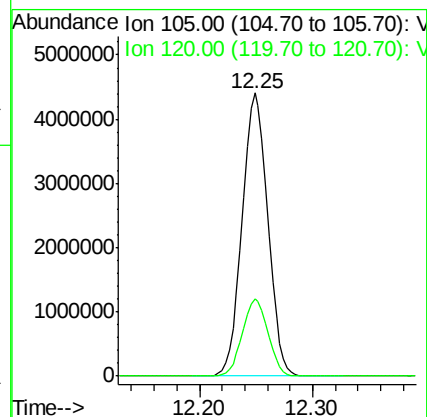
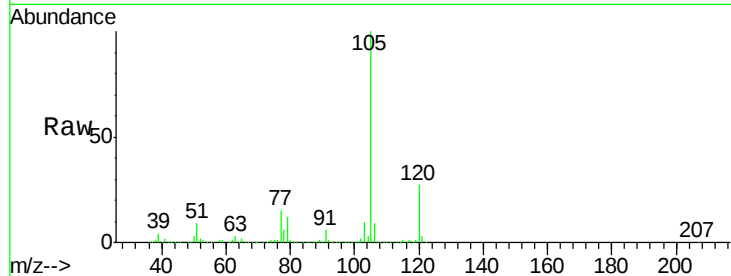
120 27.2 13.4 40.2

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#74

N-ethyl acetate

Concen: 161.945 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Tgt Ion: 43 Resp: 1980370

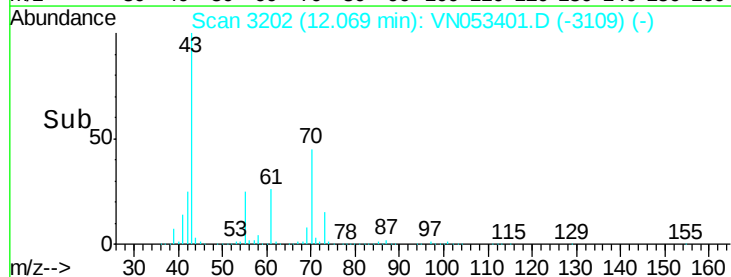
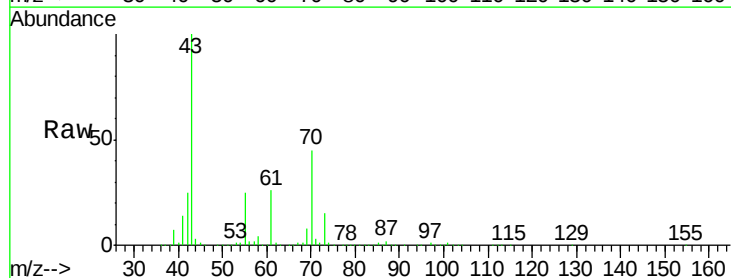
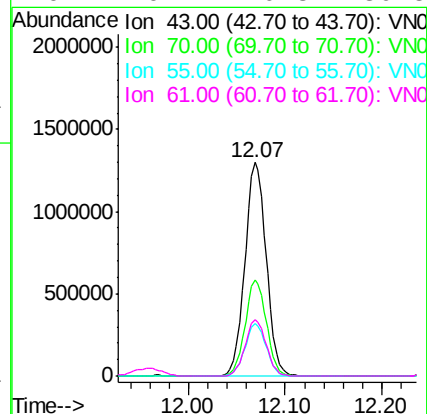
Ion Ratio Lower Upper

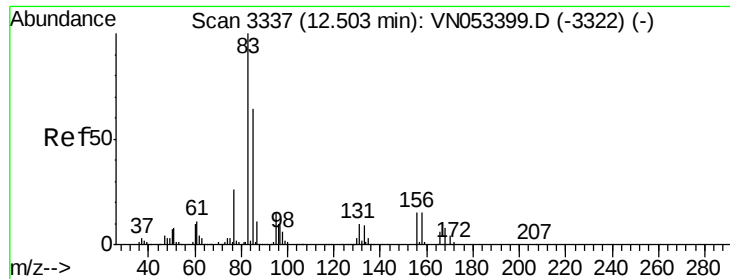
43 100

70 44.8 35.0 52.6

55 24.8 20.0 30.0

61 26.1 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 154.239 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1483899

Ion Ratio Lower Upper

83 100

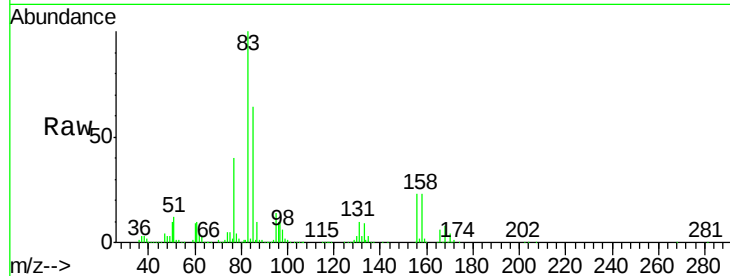
131 10.6 5.3 15.9

85 64.7 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)

1200000

1000000

800000

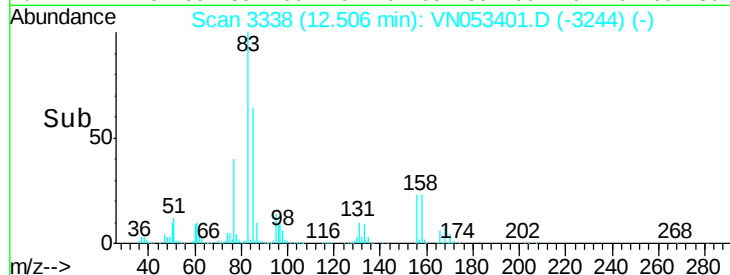
600000

400000

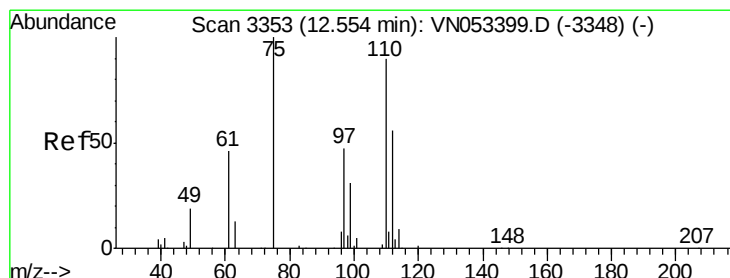
200000

0

Time-->



12.51



#76

1,2,3-Trichloropropane

Concen: 170.641 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053401.D

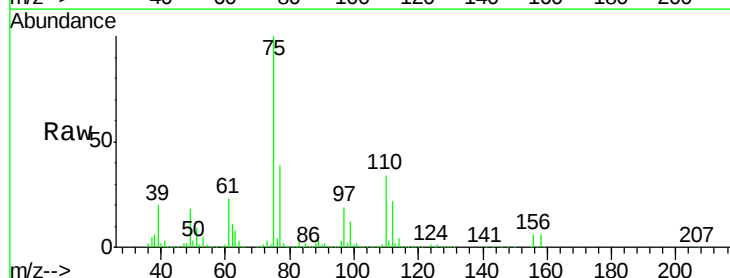
Acq: 15 Jan 2019 11:29

Tgt Ion: 75 Resp: 1345833

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)

2000000

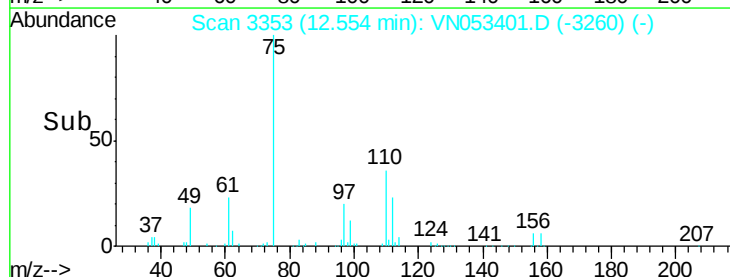
1500000

1000000

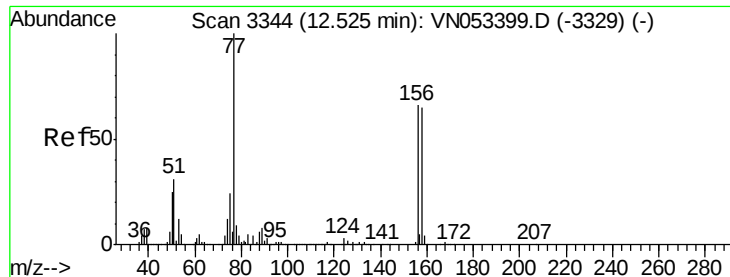
500000

0

Time-->



12.55



#77

Bromobenzene

Concen: 151.957 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1836797

Ion Ratio Lower Upper

156 100

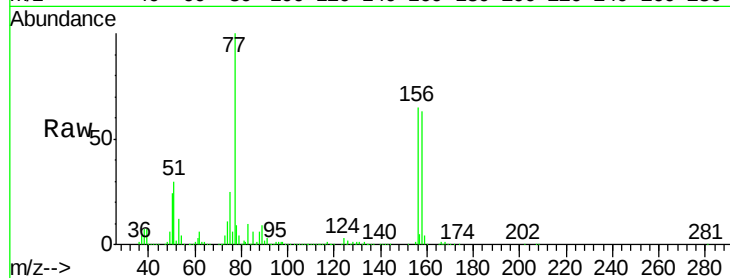
77 178.6 89.3 268.1

158 98.0 48.9 146.8

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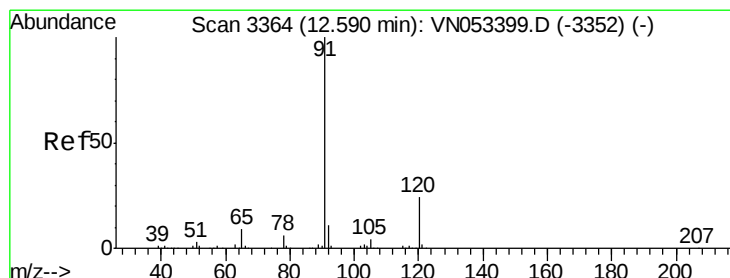
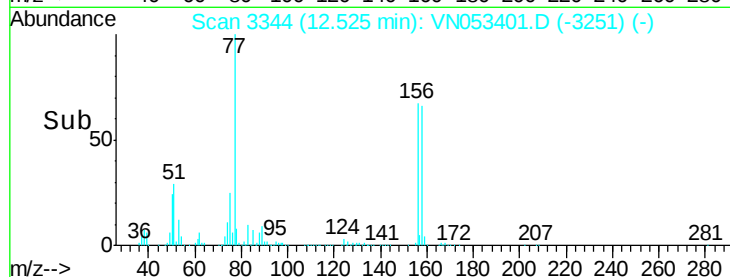
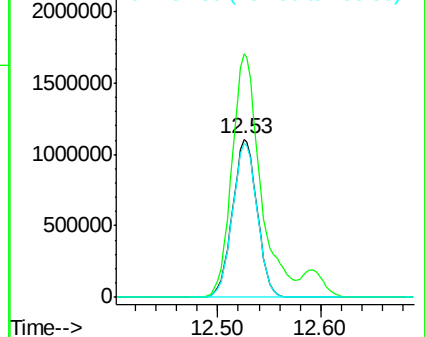
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 155.388 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053401.D

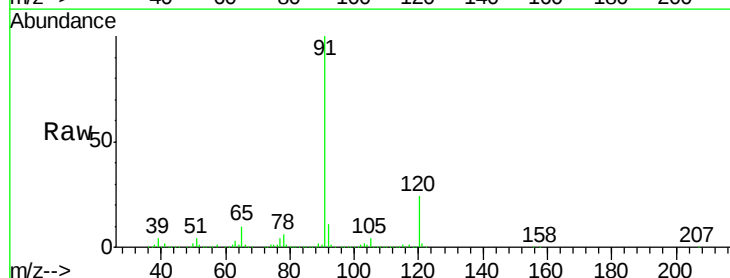
Acq: 15 Jan 2019 11:29

Tgt Ion: 91 Resp: 8182144

Ion Ratio Lower Upper

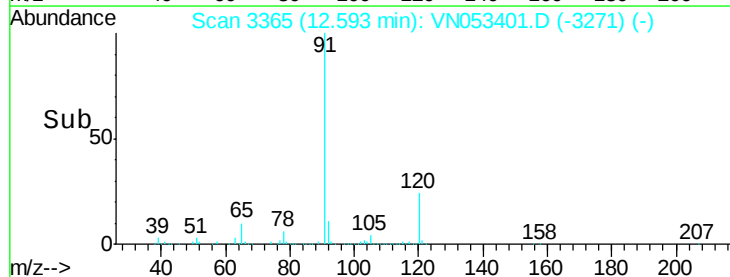
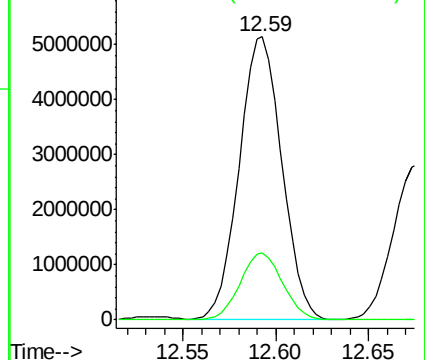
91 100

120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 151.286 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4721904

Ion Ratio Lower Upper

91 100

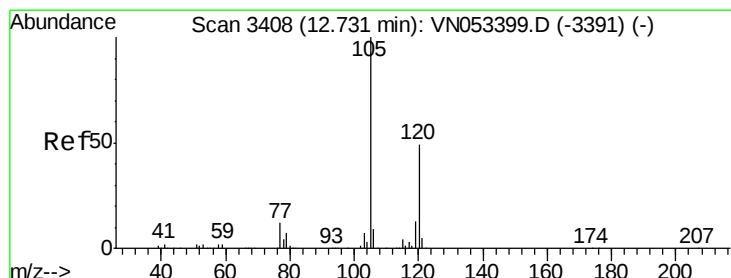
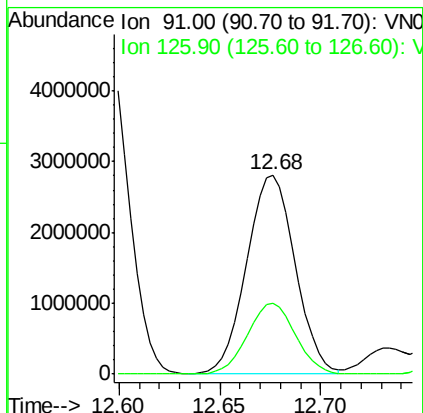
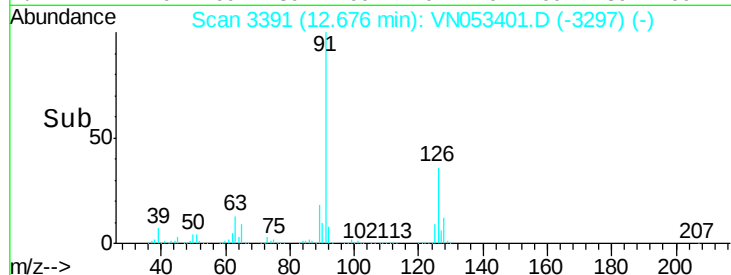
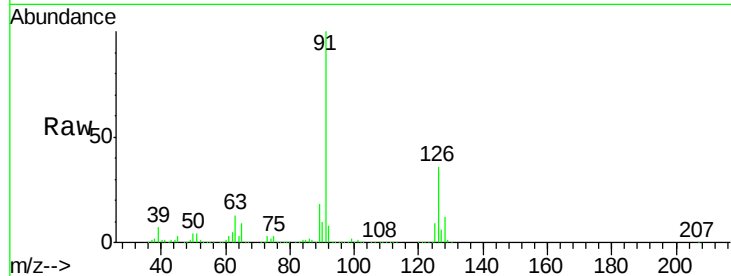
126 35.4 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 155.266 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053401.D

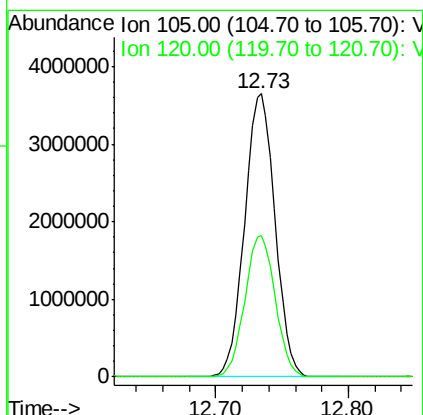
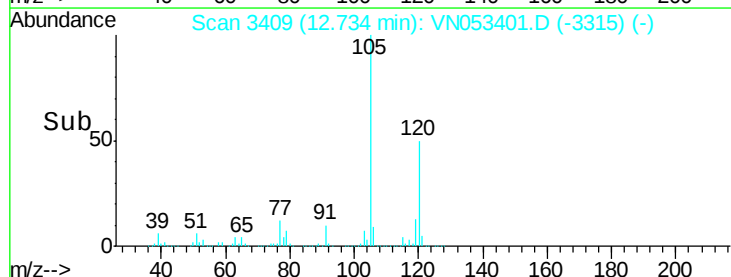
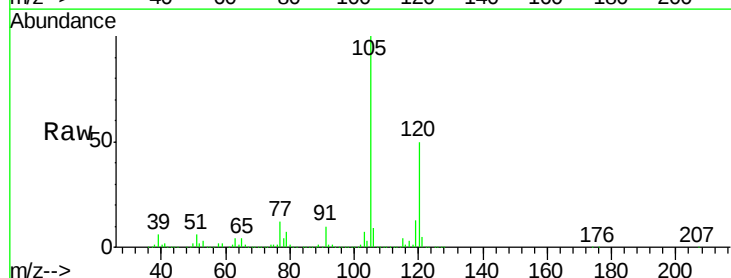
Acq: 15 Jan 2019 11:29

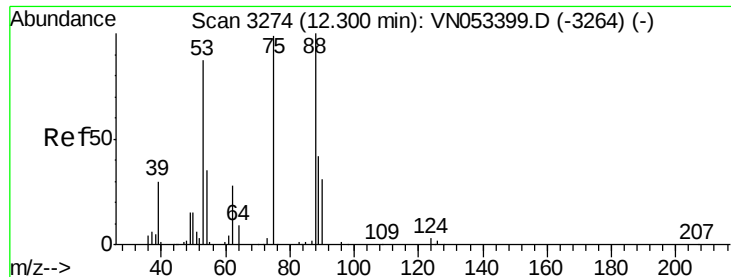
Tgt Ion: 105 Resp: 5794995

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 152.367 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

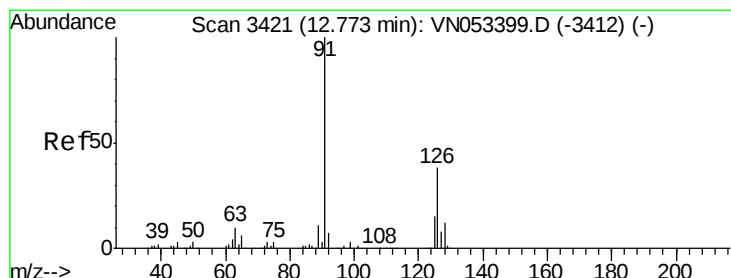
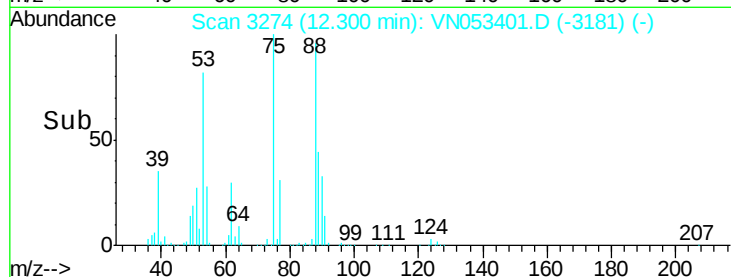
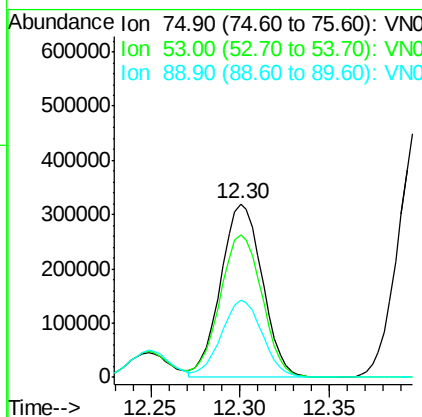
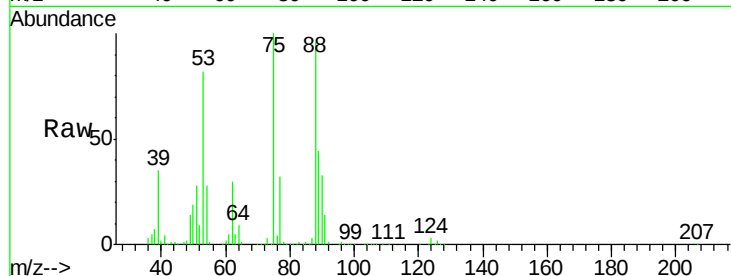
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	514819
Ion	Ratio	Lower	Upper
75	100		
53	83.7	70.5	105.7
89	44.6	35.4	53.0

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#82

4-Chlorotoluene

Concen: 154.511 ug/l

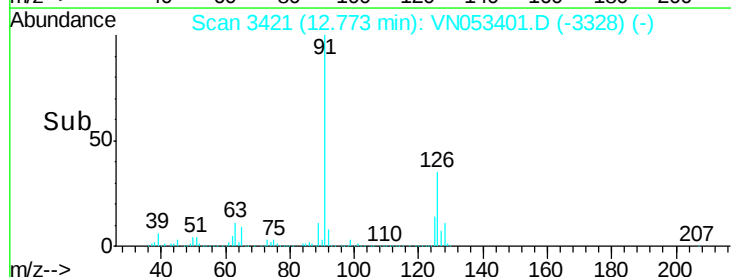
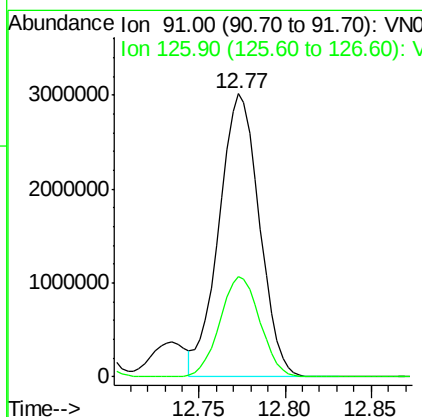
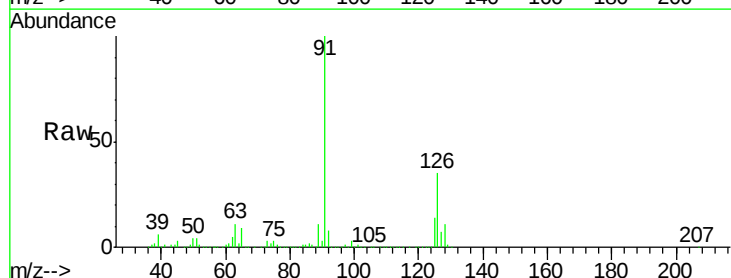
RT: 12.77 min Scan# 3421

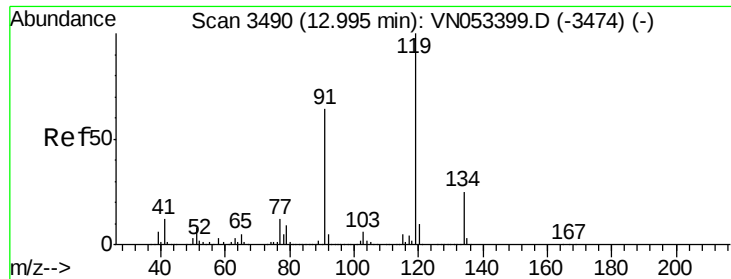
Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Tgt Ion:	91	Resp:	4917974
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.2





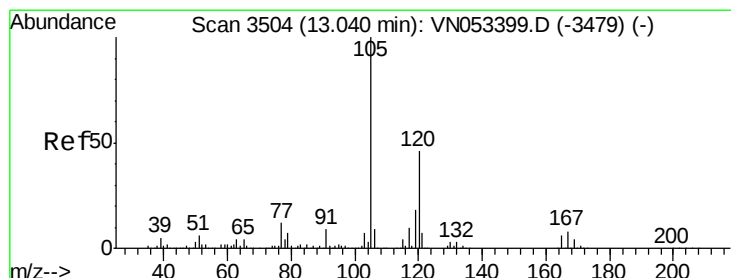
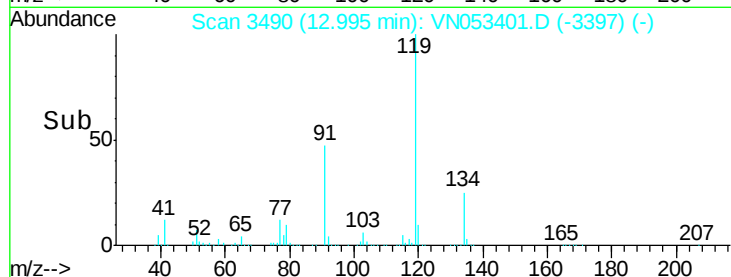
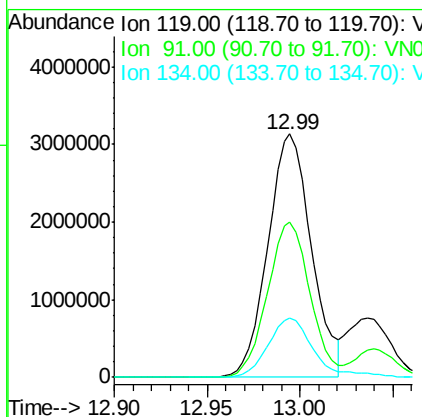
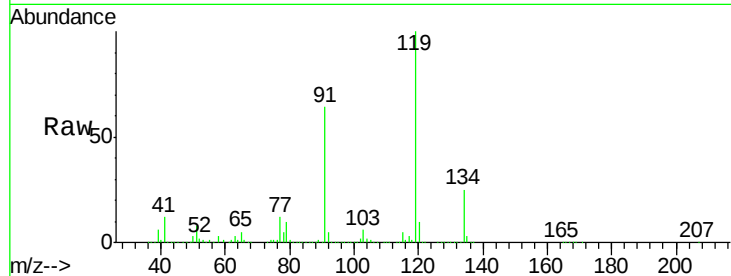
#83
 tert-Butylbenzene
 Concen: 156.128 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 5146745
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.6 95.0
 134 25.6 12.9 38.6

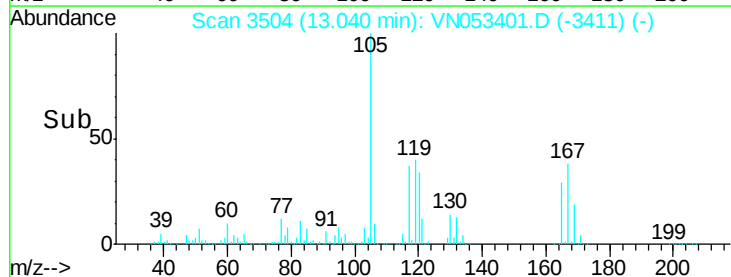
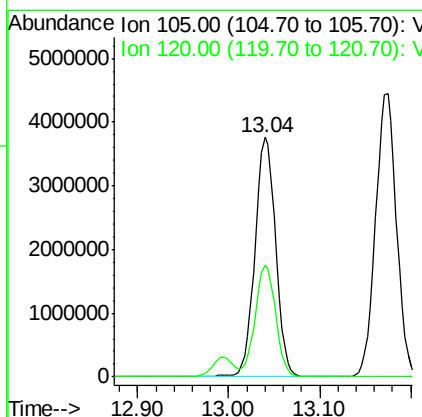
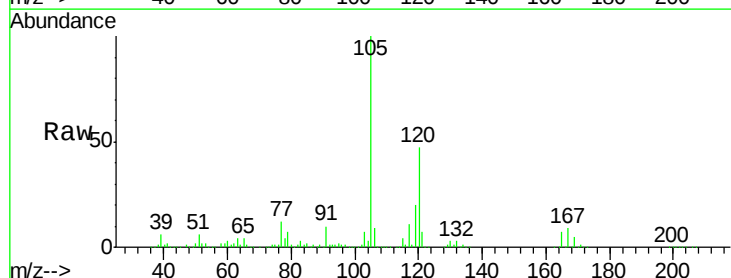
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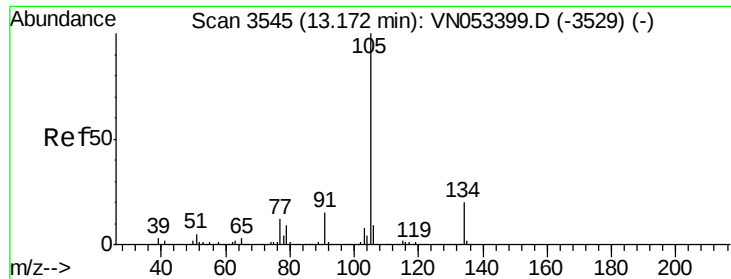
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#84
 1,2,4-Trimethylbenzene
 Concen: 157.548 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Tgt Ion:105 Resp: 5929054
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 156.391 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 7070338

Ion Ratio Lower Upper

105 100

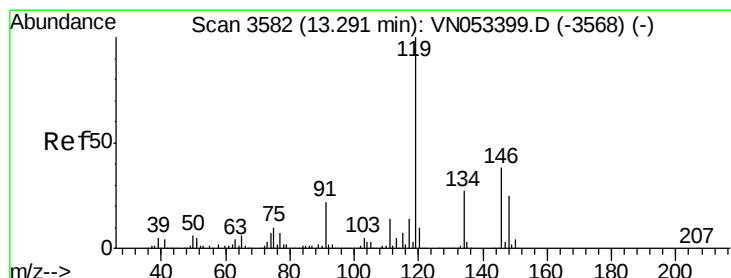
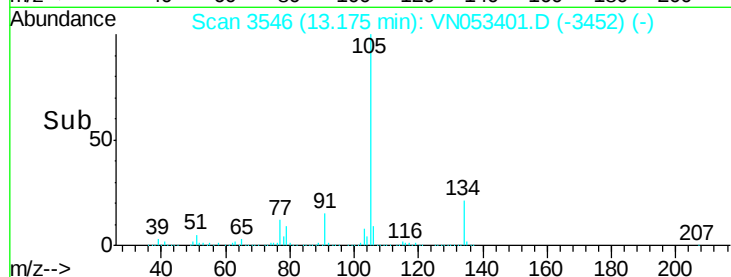
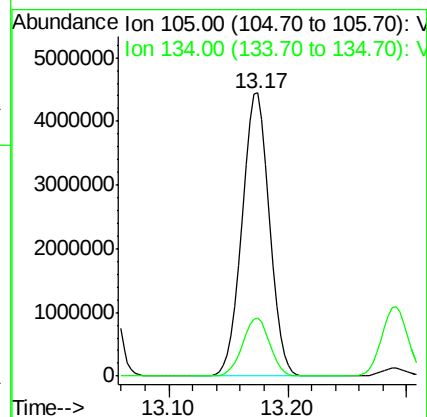
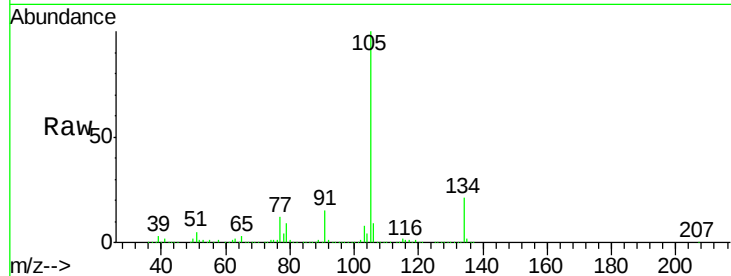
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 159.297 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

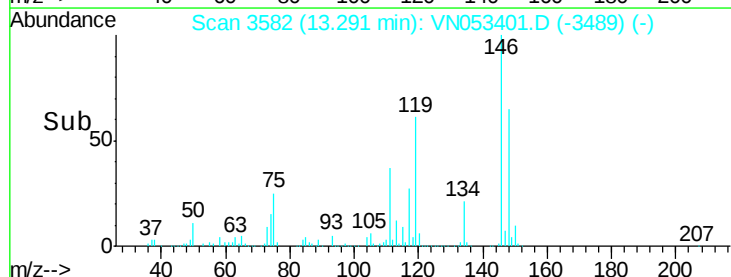
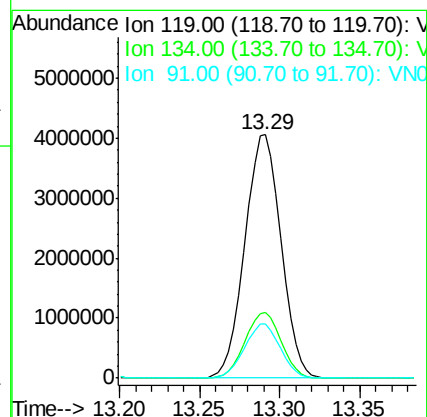
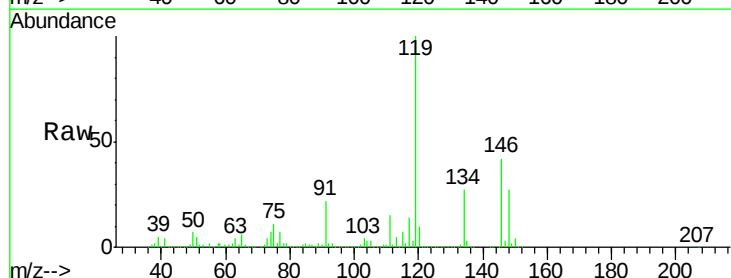
Tgt Ion:119 Resp: 6253180

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.0 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 153.399 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 3261648

Ion Ratio Lower Upper

146 100

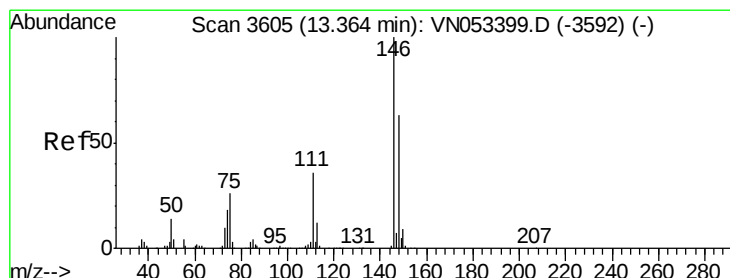
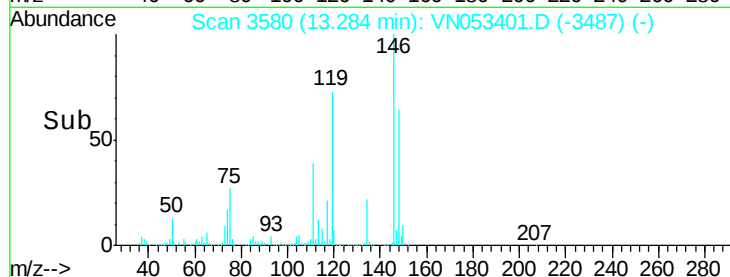
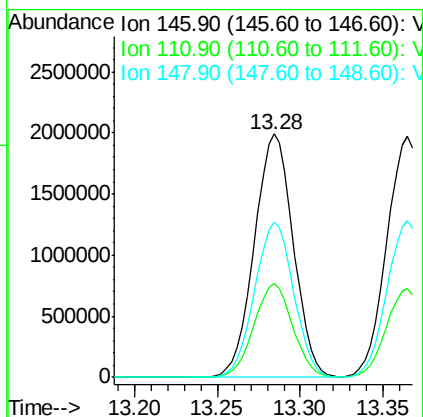
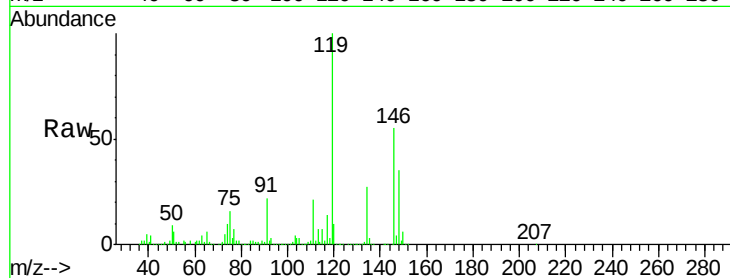
111 38.1 18.9 56.5

148 64.2 32.0 96.2

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#88

1,4-Dichlorobenzene

Concen: 150.511 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

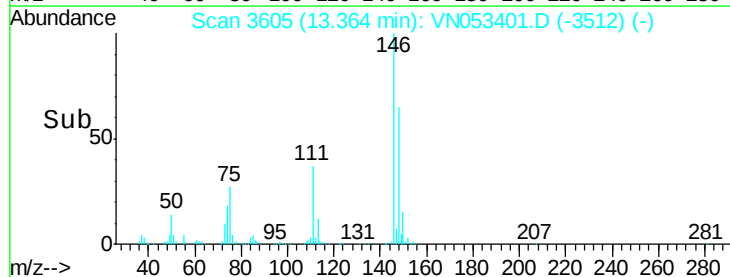
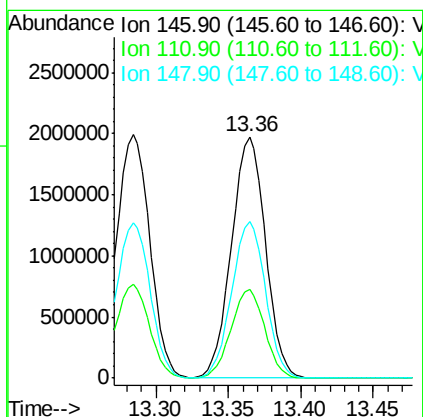
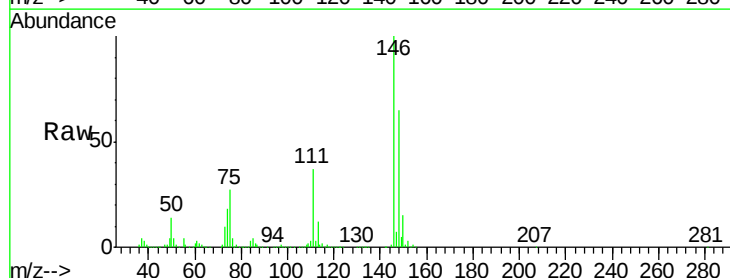
Tgt Ion:146 Resp: 3210140

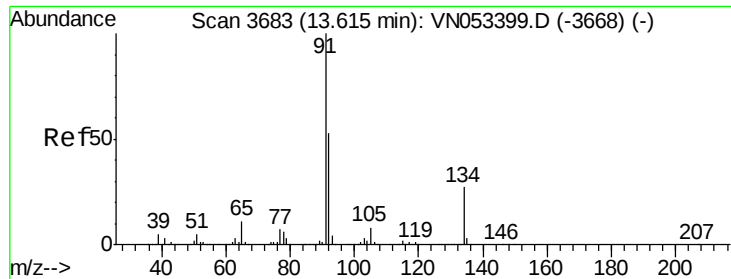
Ion Ratio Lower Upper

146 100

111 36.6 18.6 55.8

148 64.5 32.0 96.0





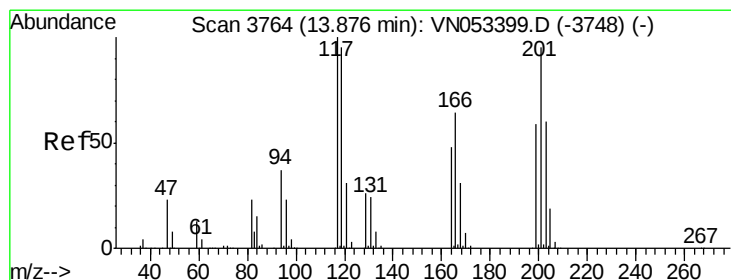
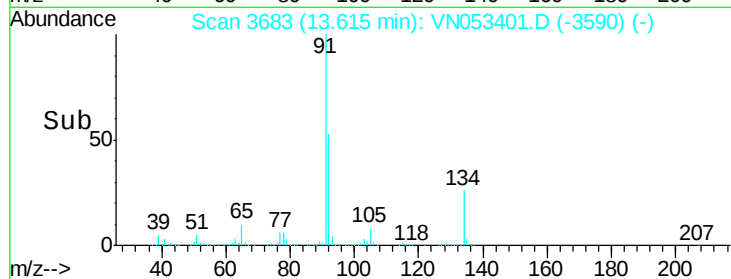
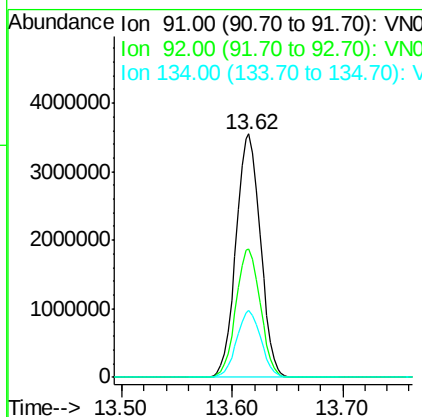
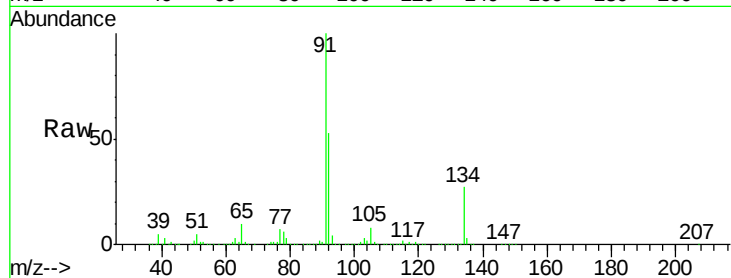
#89
n-Butylbenzene
Concen: 162.463 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 5436154
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.8
134 27.3 13.5 40.5

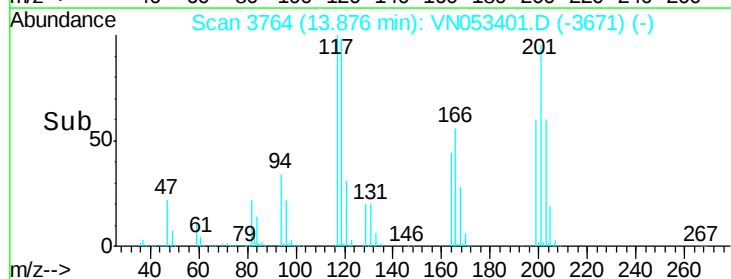
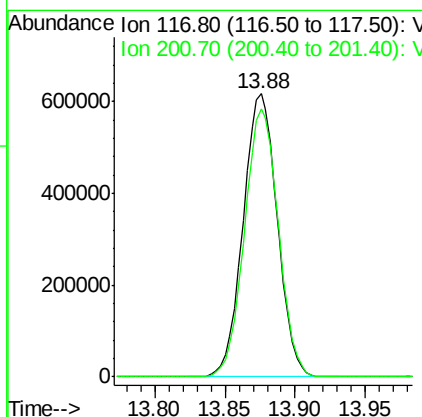
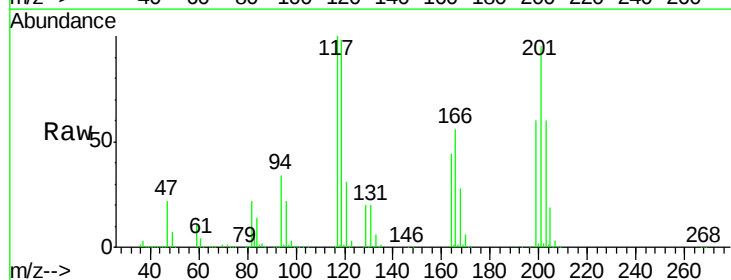
Manual Integrations
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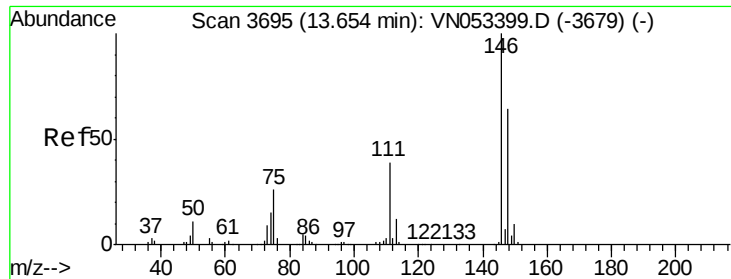
MMDadoda
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#90
Hexachloroethane
Concen: 169.825 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 117 Resp: 1045526
Ion Ratio Lower Upper
117 100
201 94.2 46.1 138.3





#91

1,2-Dichlorobenzene

Concen: 149.276 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2920062

Ion Ratio Lower Upper

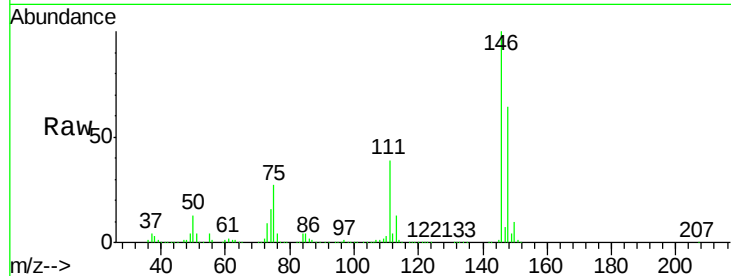
146 100

111 39.2 19.4 58.2

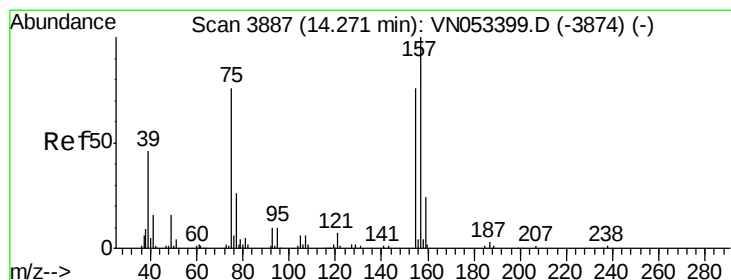
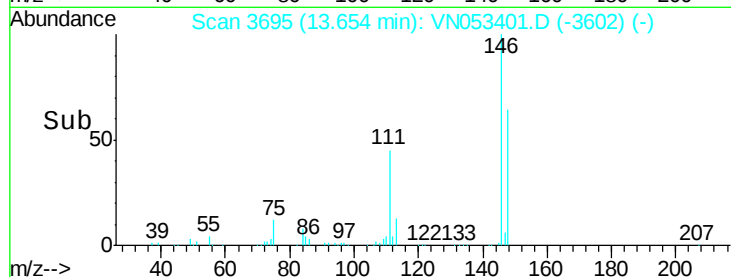
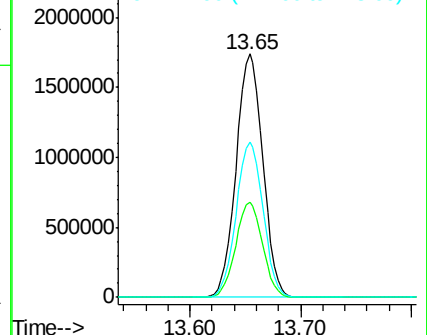
148 64.2 32.2 96.6

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 164.159 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN053401.D

Acq: 15 Jan 2019 11:29

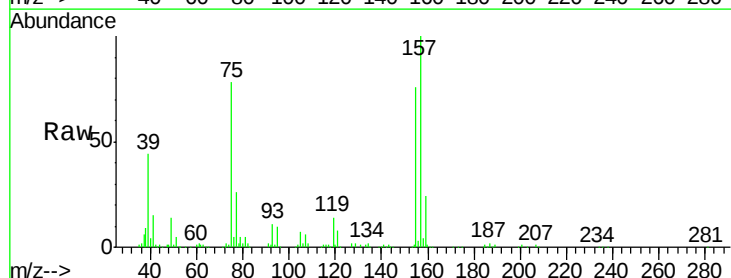
Tgt Ion: 75 Resp: 200255

Ion Ratio Lower Upper

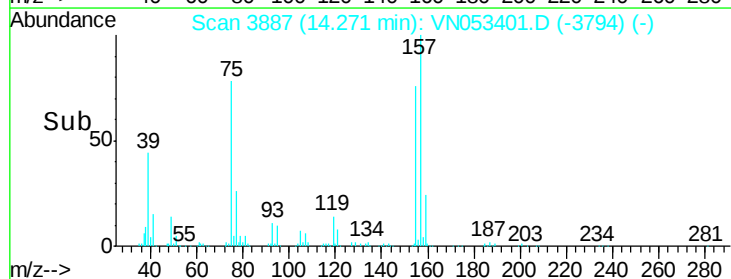
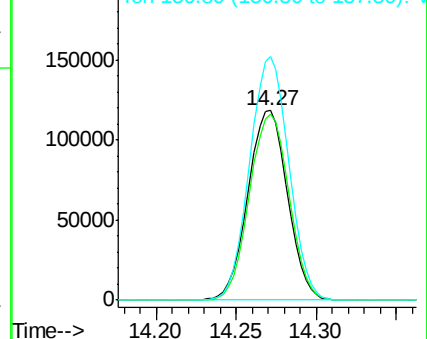
75 100

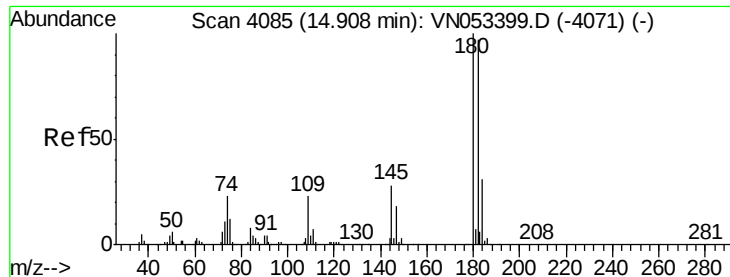
155 98.2 48.1 144.3

157 127.1 61.5 184.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





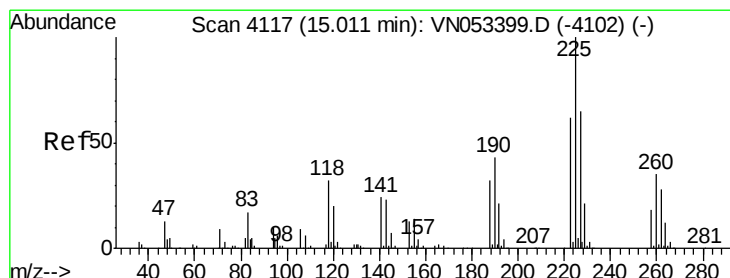
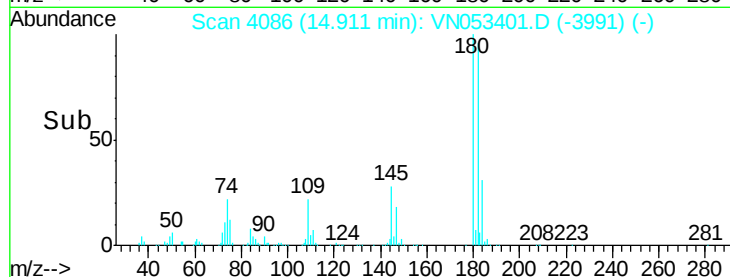
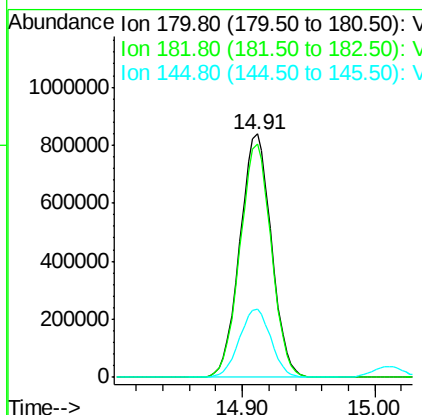
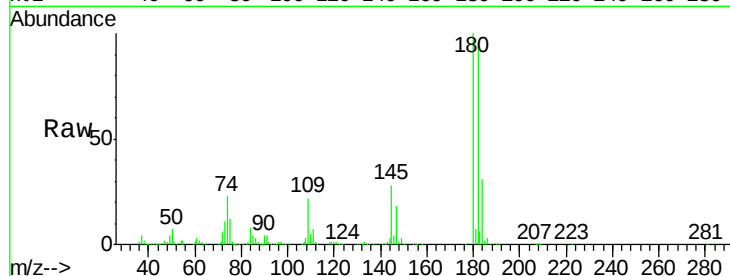
#93
 1,2,4-Trichlorobenzene
 Concen: 153.645 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.4
145	28.1	14.4	43.0

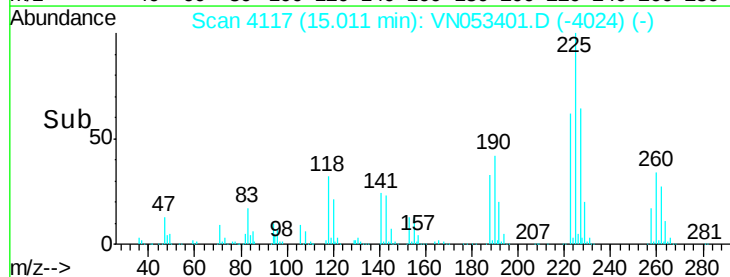
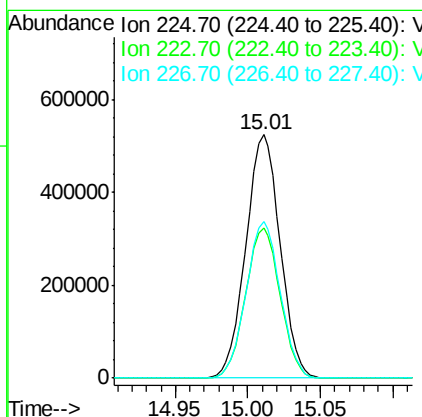
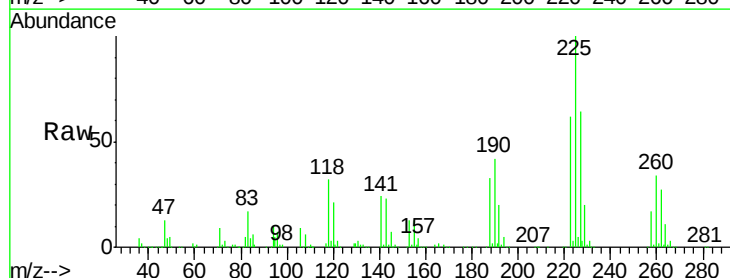
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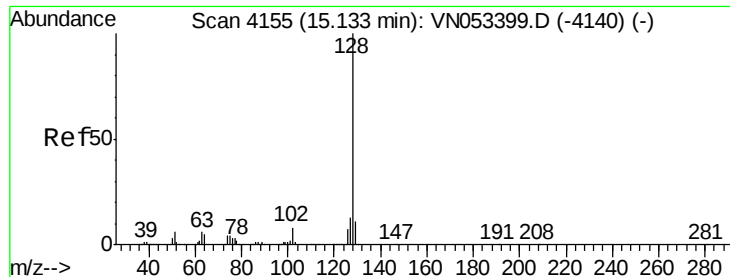
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#94
 Hexachlorobutadiene
 Concen: 141.495 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053401.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.9	92.8
227	64.2	31.4	94.2





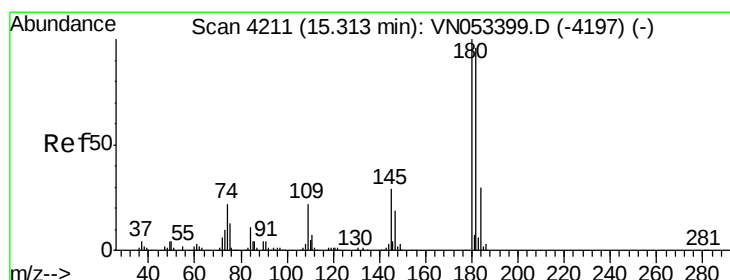
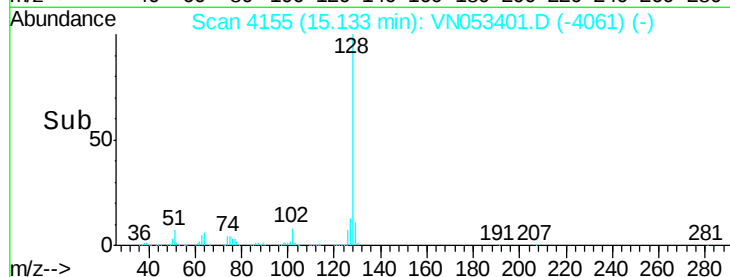
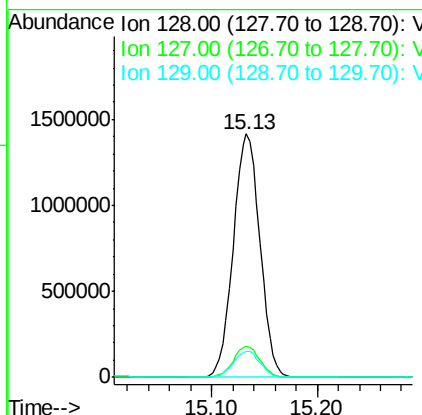
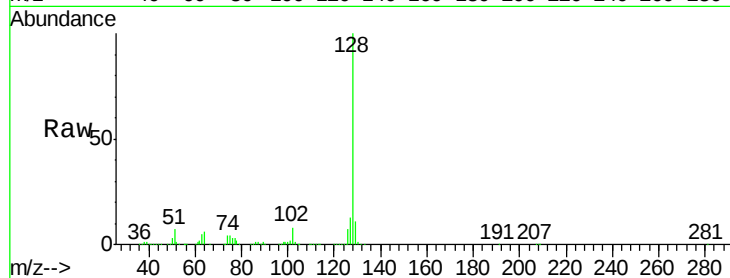
#95
Naphthalene
Concen: 154.104 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 154.681 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053401.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.0
145	29.8	14.9	44.5

