

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053398.D
 Acq On : 15 Jan 2019 10:09
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:50:44 AM

Quant Time: Jan 16 03:03:07 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	7.66	168	885612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1338043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1215406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	570194	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	173326	19.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.60%	
35) Dibromofluoromethane	7.59	113	147847	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
50) Toluene-d8	10.09	98	636276	19.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.40%	
62) 4-Bromofluorobenzene	12.40	95	216989	19.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	147858	20.766	ug/l	99
3) Chloromethane	2.06	50	205406	20.177	ug/l	99
4) Vinyl Chloride	2.19	62	200561	20.438	ug/l	100
5) Bromomethane	2.55	94	132090	19.617	ug/l	99
6) Chloroethane	2.70	64	120034	20.231	ug/l	99
7) Trichlorofluoromethane	3.02	101	265212	20.662	ug/l	97
8) Diethyl Ether	3.41	74	101105	20.972	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	167116	20.558	ug/l	100
10) Methyl Iodide	3.96	142	245885	19.793	ug/l	100
11) Tert butyl alcohol	4.78	59	39833	92.998	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	159395	20.216	ug/l	99
13) Acrolein	3.61	56	73337	102.502	ug/l	99
14) Allyl chloride	4.33	41	263718	20.591	ug/l	96
15) Acrylonitrile	4.99	53	291796	103.517	ug/l	99
16) Acetone	3.81	43	206874	100.732	ug/l	98
17) Carbon Disulfide	4.06	76	476998	20.005	ug/l	99
18) Methyl Acetate	4.32	43	137489	19.870	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	431529	20.598	ug/l	100
20) Methylene Chloride	4.55	84	186898	19.933	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	173337	20.563	ug/l	99
22) Diisopropyl ether	5.95	45	561658	21.007	ug/l	97
23) Vinyl Acetate	5.90	43	1705276	103.757	ug/l	100
24) 1,1-Dichloroethane	5.85	63	325831	20.615	ug/l	100
25) 2-Butanone	6.83	43	324575	102.558	ug/l	99
26) 2,2-Dichloropropane	6.82	77	244480	20.487	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	198407	20.583	ug/l	98
28) Bromochloromethane	7.19	49	134541	19.322	ug/l	99
29) Tetrahydrofuran	7.21	42	210885	102.357	ug/l	99
30) Chloroform	7.37	83	315904	20.514	ug/l	99
31) Cyclohexane	7.65	56	313066	20.220	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	268420	20.548	ug/l	99
36) 1,1-Dichloropropene	7.79	75	253174	20.776	ug/l	99
37) Ethyl Acetate	6.93	43	142941	20.221	ug/l	99
38) Carbon Tetrachloride	7.77	117	235722	20.432	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	308867	20.507	ug/l	99
40) Benzene	8.04	78	764795	20.653	ug/l	99
41) Methacrylonitrile	7.17	41	78179	17.885	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	221762	20.556	ug/l	100
43) Isopropyl Acetate	8.16	43	263480	20.016	ug/l #	90
44) Trichloroethene	8.83	130	211874	20.632	ug/l	99
45) 1,2-Dichloropropane	9.12	63	198471	20.235	ug/l	99
46) Dibromomethane	9.21	93	114191	20.264	ug/l	99
47) Bromodichloromethane	9.40	83	239328	20.195	ug/l	99
48) Methyl methacrylate	9.20	41	132414	20.343	ug/l	100
49) 1,4-Dioxane	9.20	88	25744	404.986	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	714636	103.846	ug/l	100
52) Toluene	10.16	92	474269	20.630	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	243262	20.252	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	292054	20.741	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	164671	20.777	ug/l	98
56) Ethyl methacrylate	10.43	69	205573	19.582	ug/l	99
57) 1,3-Dichloropropane	10.71	76	281709	20.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	560064	101.007	ug/l	99
59) 2-Hexanone	10.75	43	494937	102.453	ug/l	99
60) Dibromochloromethane	10.90	129	181562	20.197	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164428	20.513	ug/l	100
64) Tetrachloroethene	10.63	164	237762	20.758	ug/l	99
65) Chlorobenzene	11.43	112	534567	20.779	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	179115	20.013	ug/l	99
67) Ethyl Benzene	11.51	91	900207	20.532	ug/l	99
68) m/p-Xylenes	11.62	106	691163	41.754	ug/l	99
69) o-Xylene	11.95	106	332936	20.699	ug/l	99
70) Styrene	11.96	104	548455	21.009	ug/l	100
71) Bromoform	12.13	173	123956	20.118	ug/l #	100
73) Isopropylbenzene	12.25	105	886106	21.221	ug/l	99
74) N-amyl acetate	12.07	43	228072	20.490	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	182865	20.881	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	158203m	22.037	ug/l	
77) Bromobenzene	12.53	156	231901	21.077	ug/l	98
78) n-propylbenzene	12.59	91	1019075	21.262	ug/l	99
79) 2-Chlorotoluene	12.67	91	598297	21.059	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	722189	21.258	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52753	19.401	ug/l	94
82) 4-Chlorotoluene	12.77	91	614685	21.216	ug/l	99
83) tert-Butylbenzene	12.99	119	641791	21.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	728629	21.270	ug/l	99
85) sec-Butylbenzene	13.17	105	866536	21.057	ug/l	100
86) p-Isopropyltoluene	13.29	119	756974	21.185	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	402478	20.795	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	398150	20.508	ug/l	100
89) n-Butylbenzene	13.62	91	625962	20.552	ug/l	99
90) Hexachloroethane	13.87	117	111275	19.857	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	373901	20.999	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22122	19.923	ug/l	98

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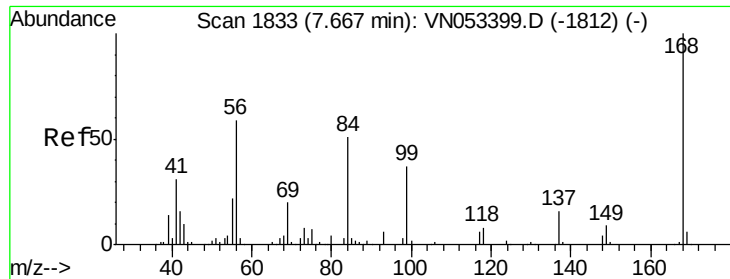
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138896	19.467	ug/l	98
94) Hexachlorobutadiene	15.01	225	118740	21.377	ug/l	98
95) Naphthalene	15.13	128	219003	18.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	92794	18.785	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 885612

Ion Ratio Lower Upper

168 100

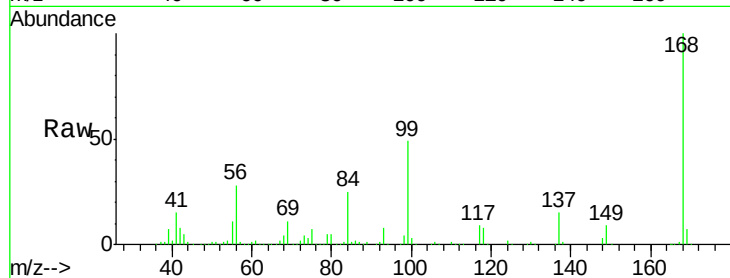
99 49.1 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

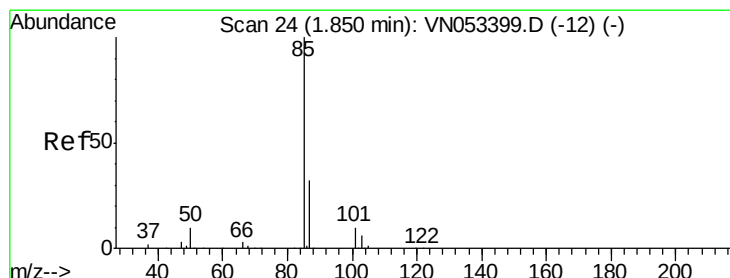
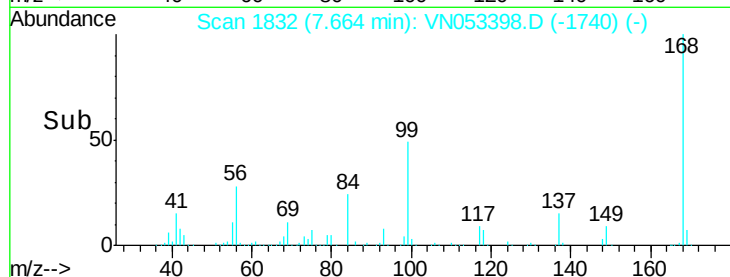
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.766 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053398.D

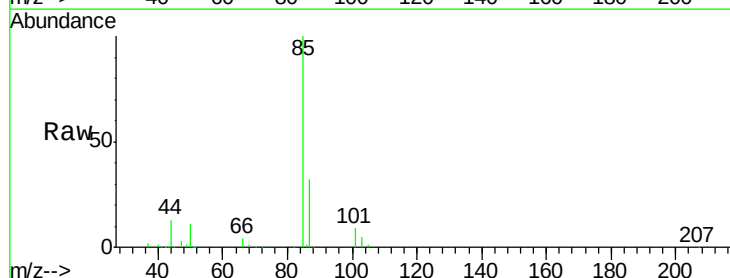
Acq: 15 Jan 2019 10:09

Tgt Ion: 85 Resp: 147858

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

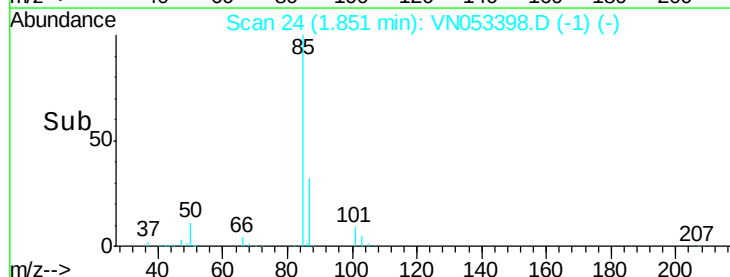
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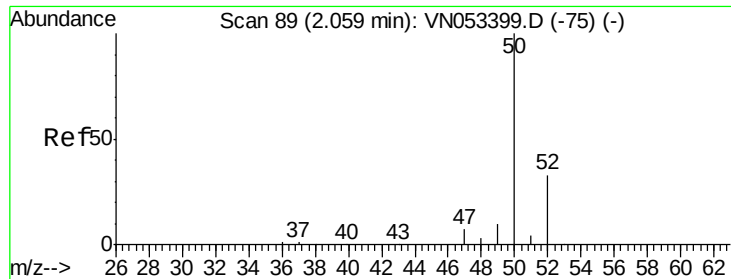
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.177 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 205406

Ion Ratio Lower Upper

50 100

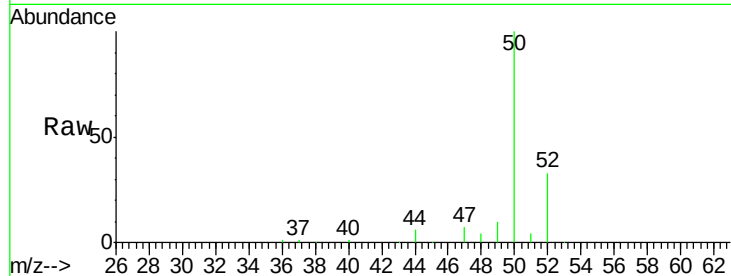
52 32.8 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

150000

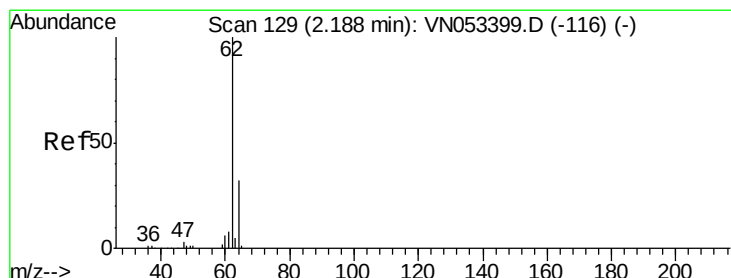
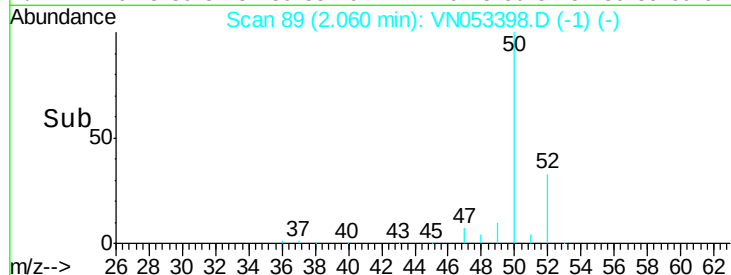
100000

50000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 20.438 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053398.D

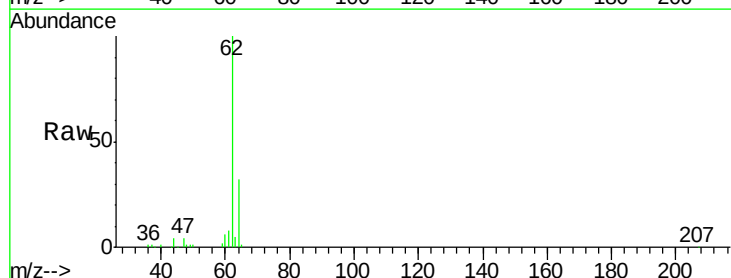
Acq: 15 Jan 2019 10:09

Tgt Ion: 62 Resp: 200561

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

150000

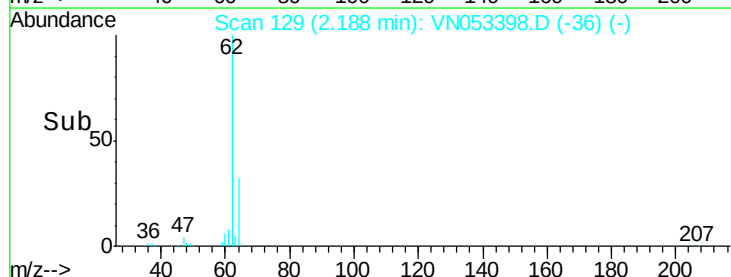
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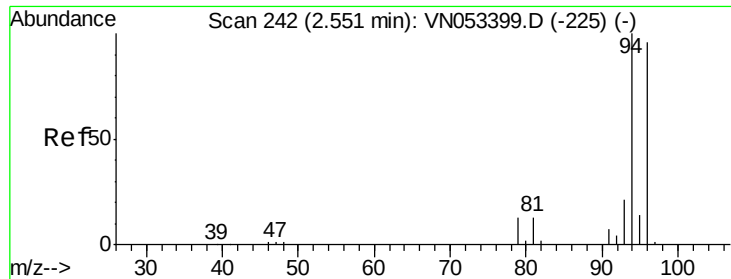
50000

0

Time-->

2.15 2.20 2.25





#5

Bromomethane

Concen: 19.617 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 132090

Ion Ratio Lower Upper

94 100

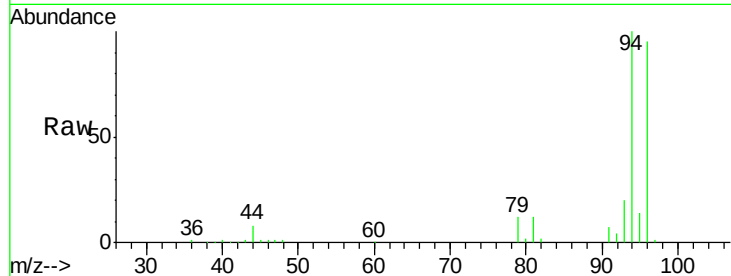
96 94.8 74.9 112.3

Manual Integrations

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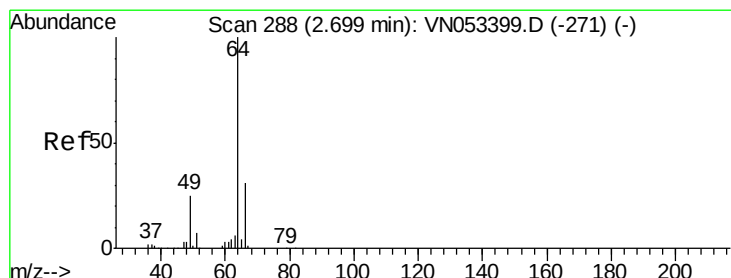
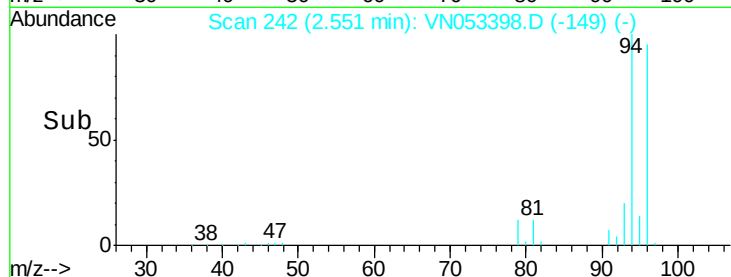
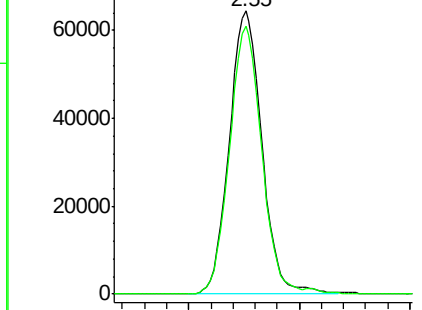
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Abundance Ion 93.90 (93.60 to 94.60): VN053399.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN053399.D (-225) (-)



#6

Chloroethane

Concen: 20.231 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN053398.D

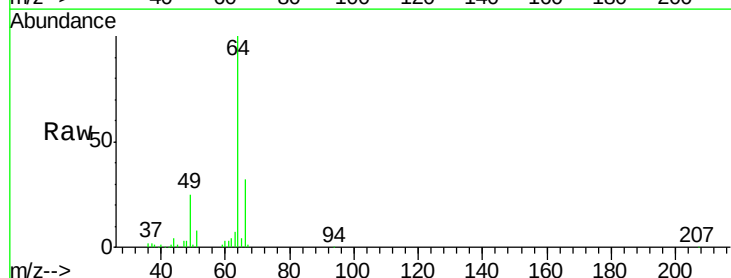
Acq: 15 Jan 2019 10:09

Tgt Ion: 64 Resp: 120034

Ion Ratio Lower Upper

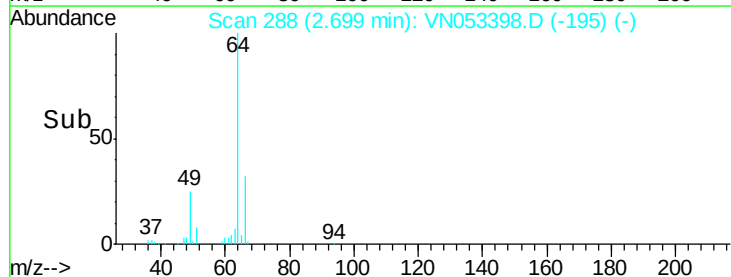
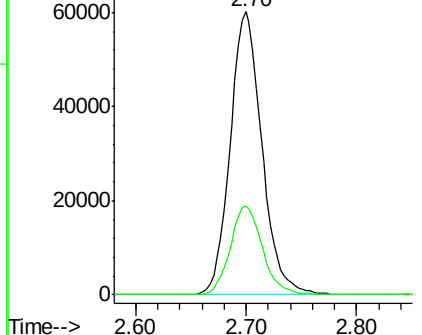
64 100

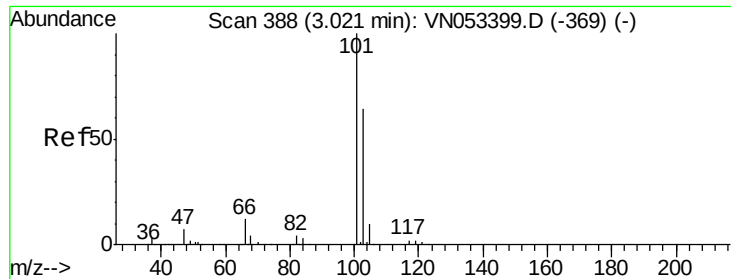
66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN053399.D (-271) (-)

Ion 65.90 (65.60 to 66.60): VN053399.D (-271) (-)





#7

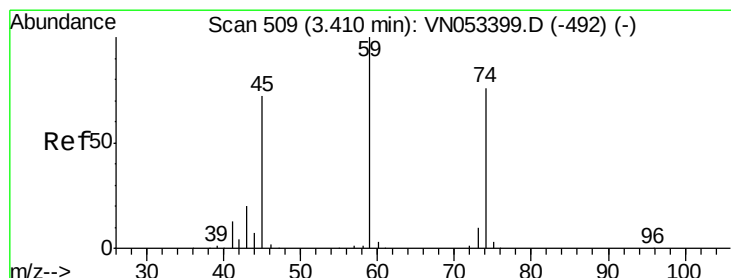
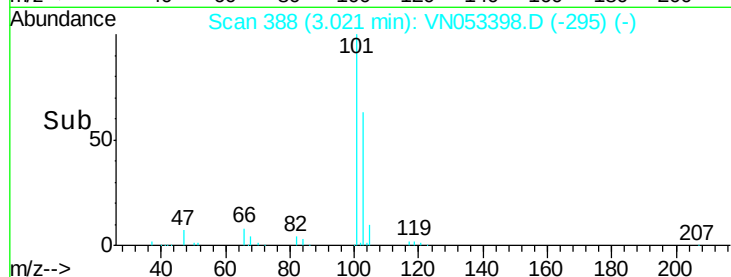
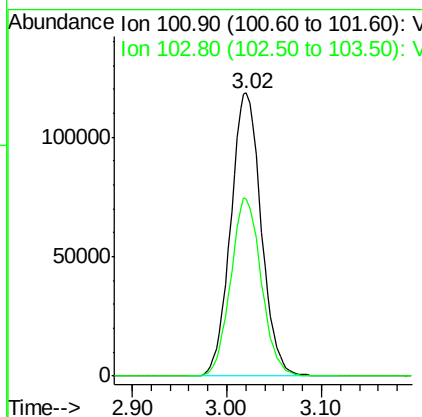
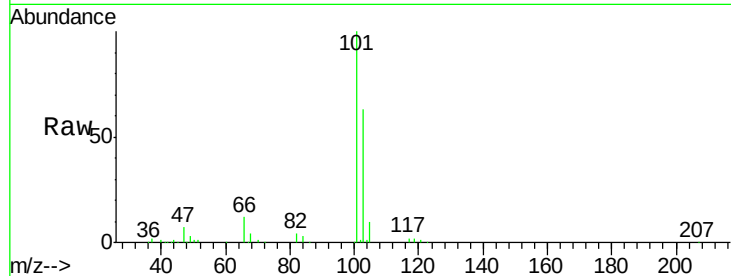
Trichlorofluoromethane
 Concen: 20.662 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.1	78.1

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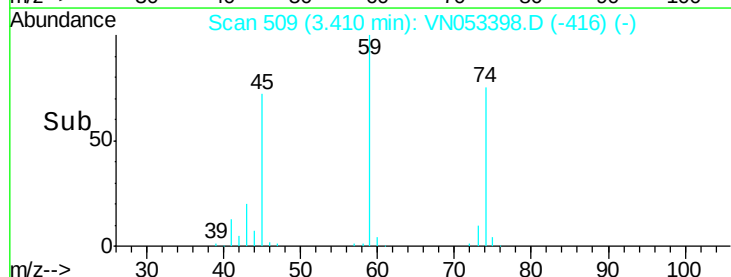
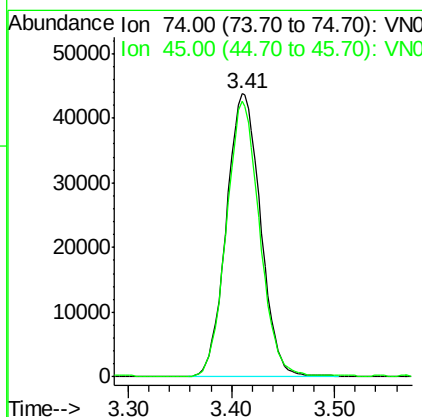
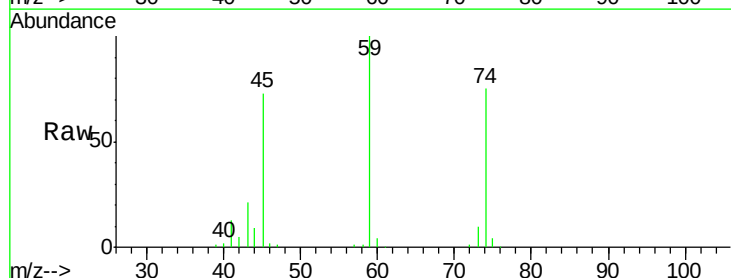
MMDadoda
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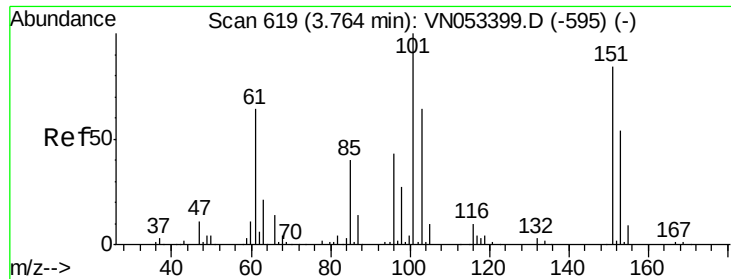


#8

Diethyl Ether
 Concen: 20.972 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.558 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

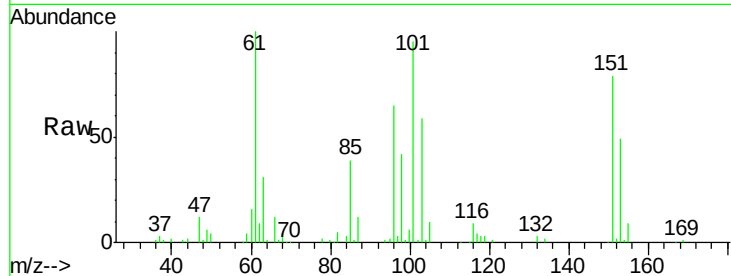
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	167116
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.3	49.9
151	83.4	67.0	100.4

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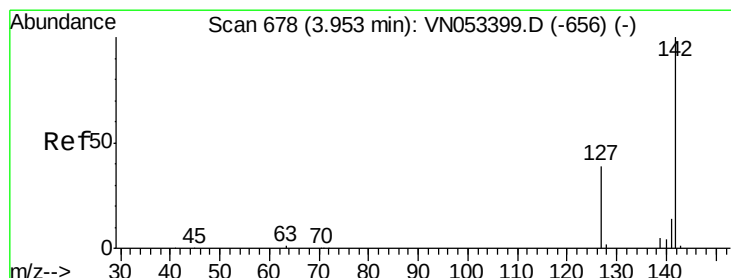
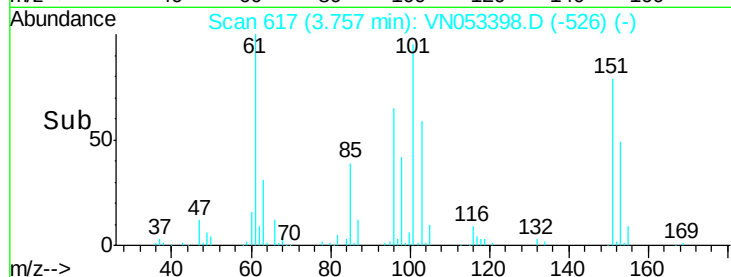
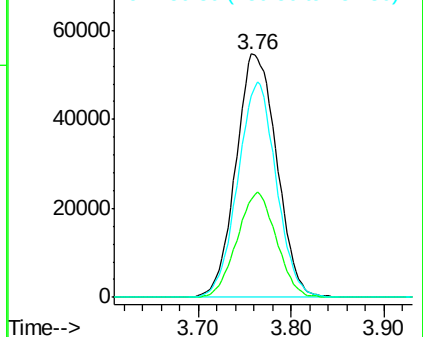
MMDadoda
1/16/2019 9:50:44 AM



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: 19.793 ug/l

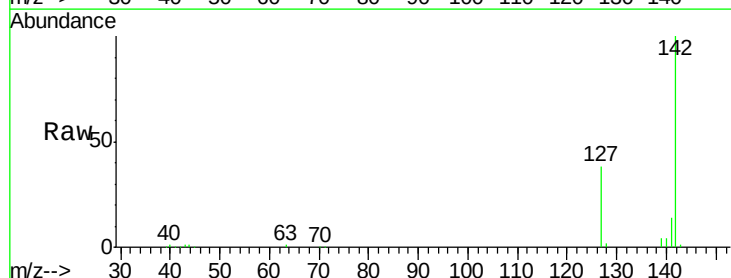
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

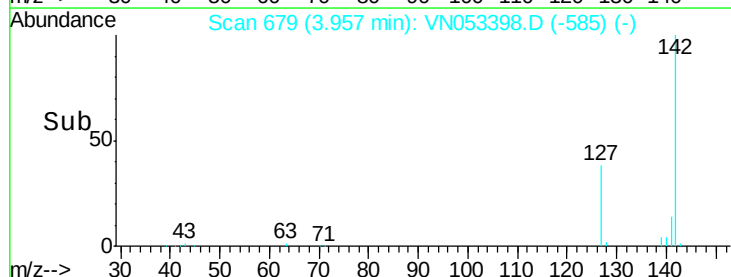
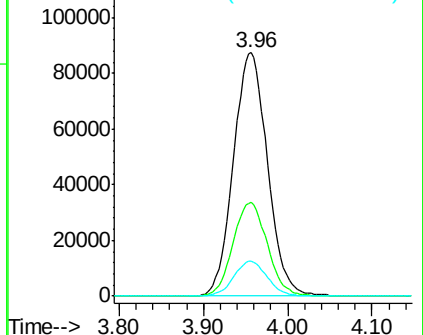
Tgt Ion:	142	Resp:	245885
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.9	46.3
141	14.0	11.2	16.8

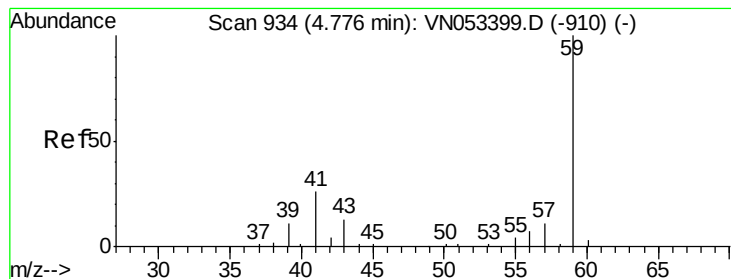


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

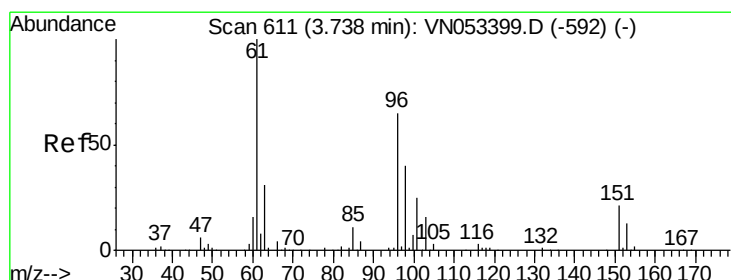
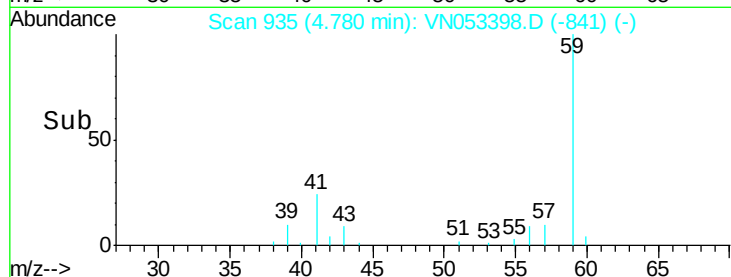
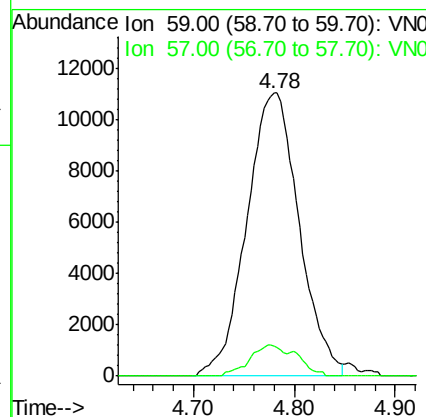
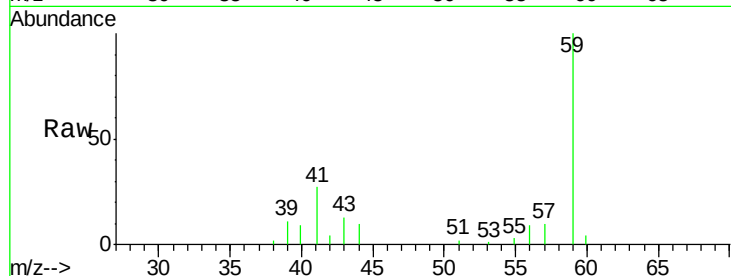
Tert butyl alcohol
Concen: 92.998 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	39833		
57	57	7.1		8.0	12.0#

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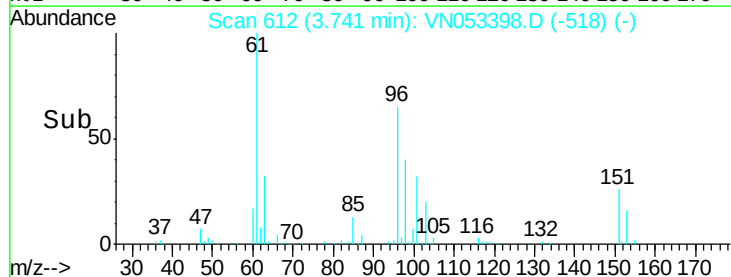
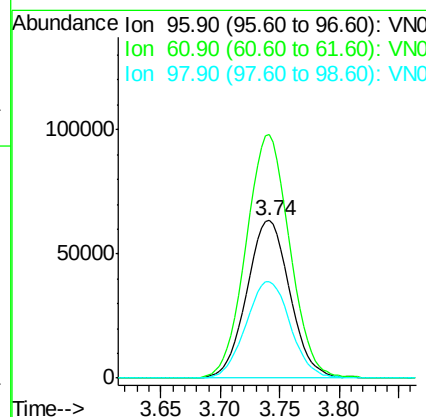
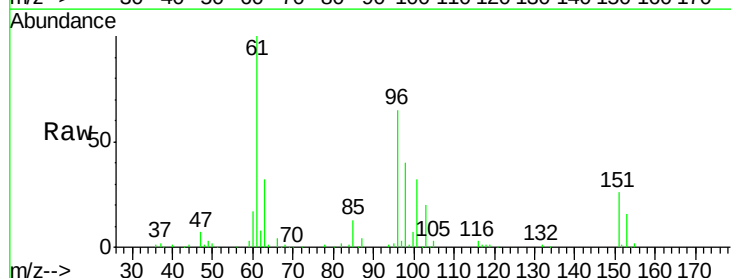
MMDadoda
1/16/2019 9:50:44 AM

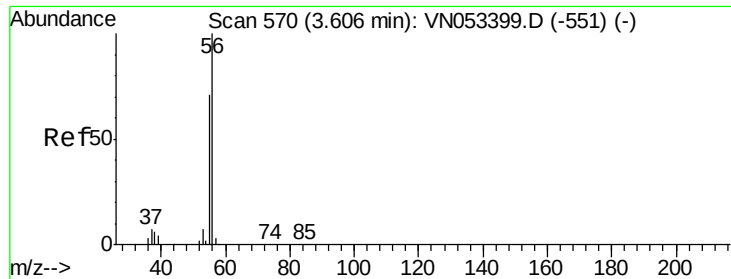


#12

1,1-Dichloroethene
Concen: 20.216 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	159395		
61	61	154.4		123.2	184.8
98	98	61.3		50.5	75.7





#13

Acrolein

Concen: 102.502 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 73337

Ion Ratio Lower Upper

56 100

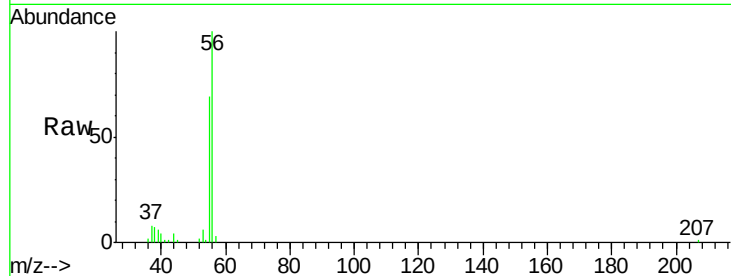
55 70.9 56.3 84.5

Manual Integrations

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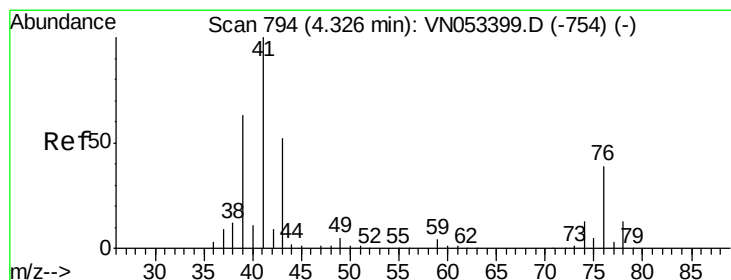
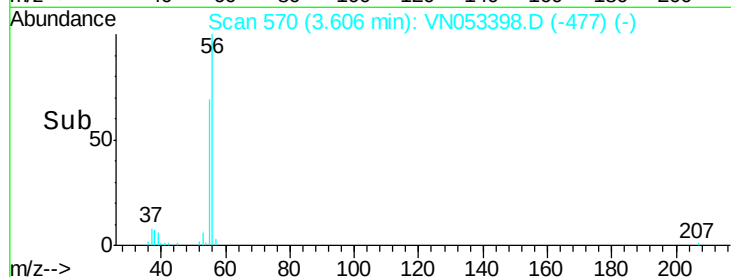
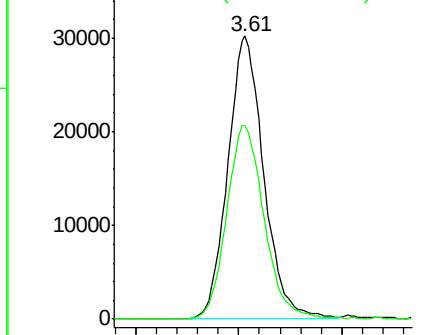
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.591 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

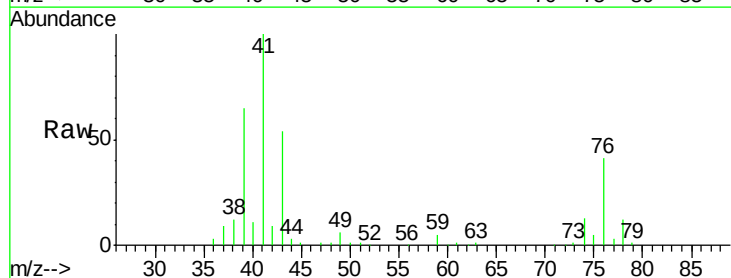
Tgt Ion: 41 Resp: 263718

Ion Ratio Lower Upper

41 100

39 61.8 51.9 77.9

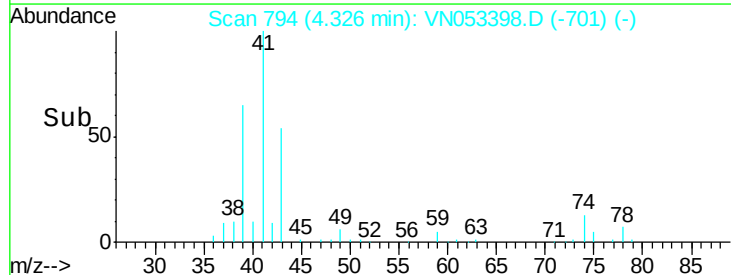
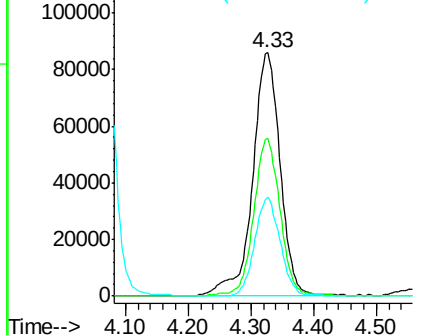
76 36.7 31.2 46.8

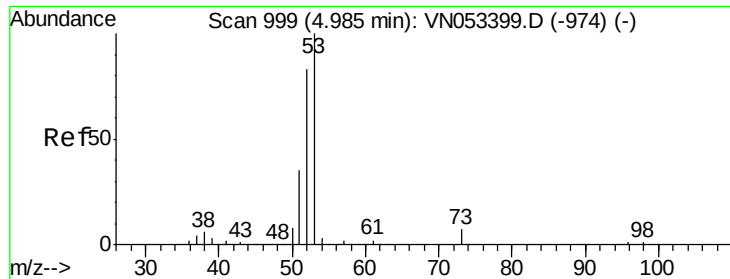


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.517 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

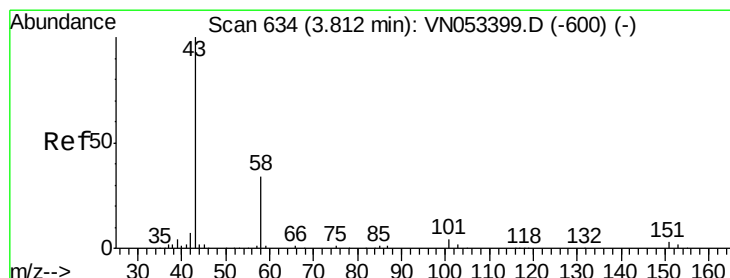
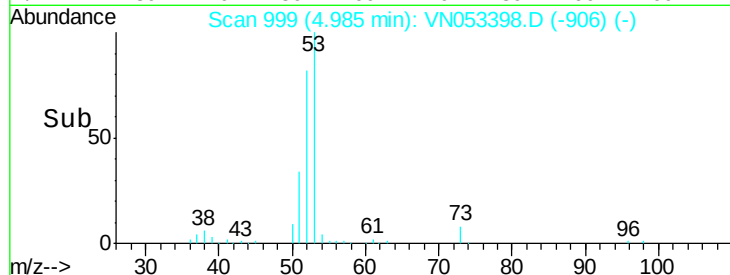
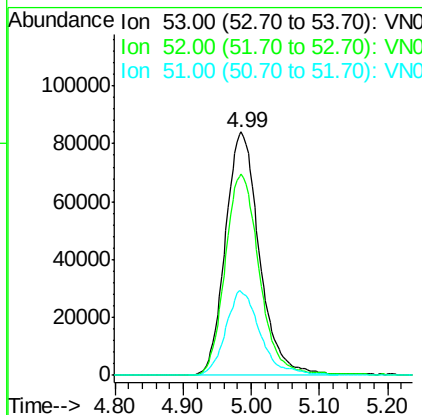
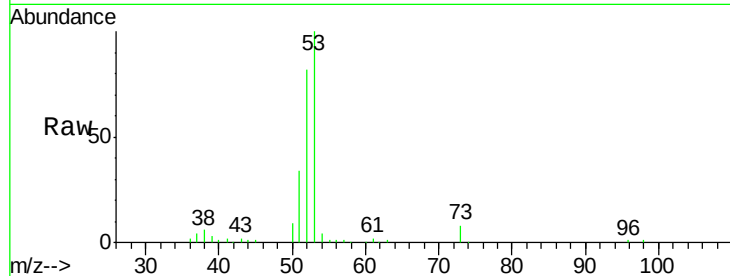
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	291796
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.2	97.8
51	35.4	28.0	42.0

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#16

Acetone

Concen: 100.732 ug/l

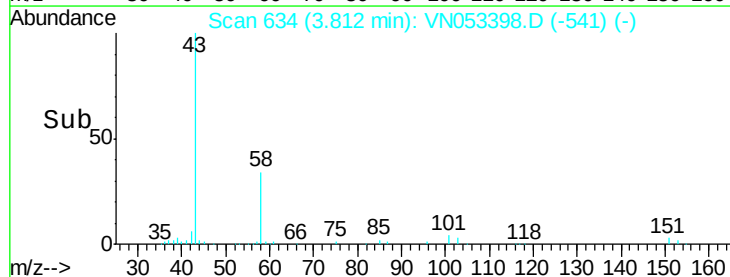
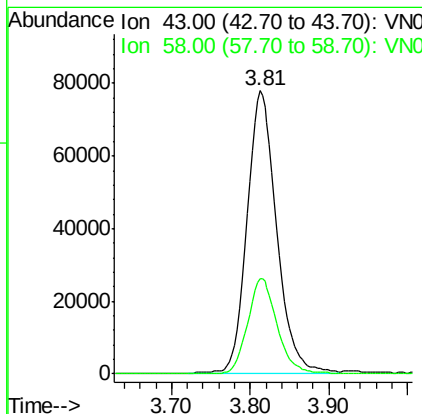
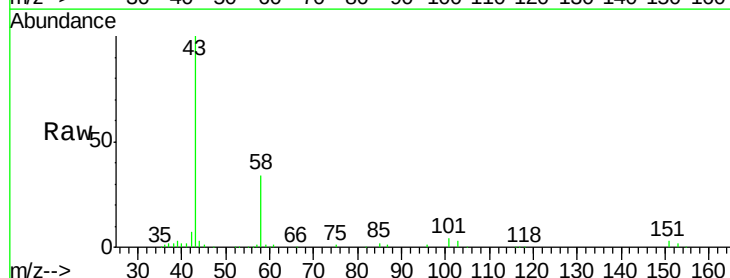
RT: 3.81 min Scan# 634

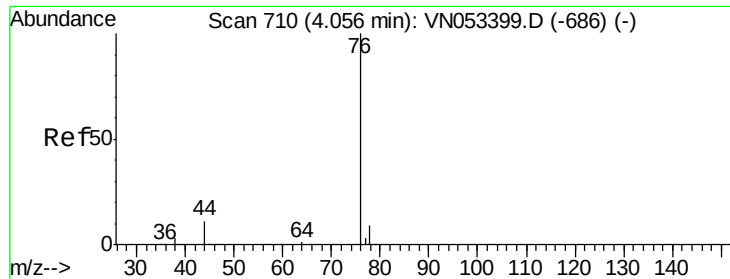
Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Tgt Ion:	43	Resp:	206874
Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.8	41.6





#17

Carbon Disulfide

Concen: 20.005 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 476998

Ion Ratio Lower Upper

76 100

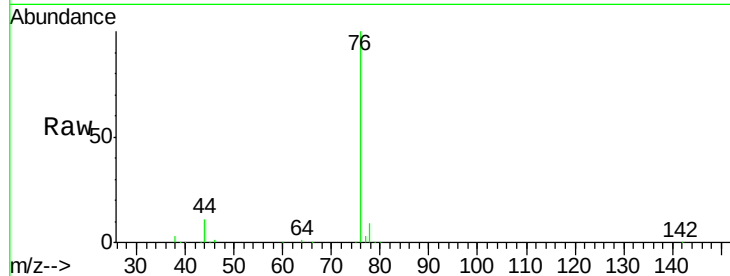
78 8.6 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

200000

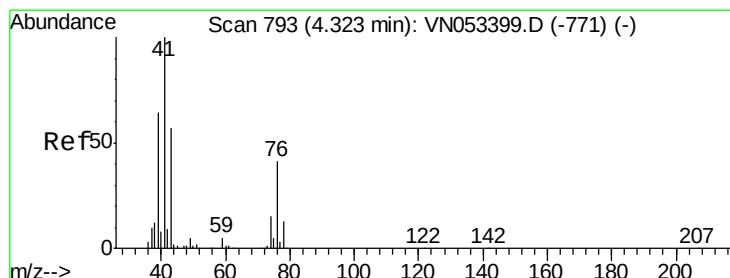
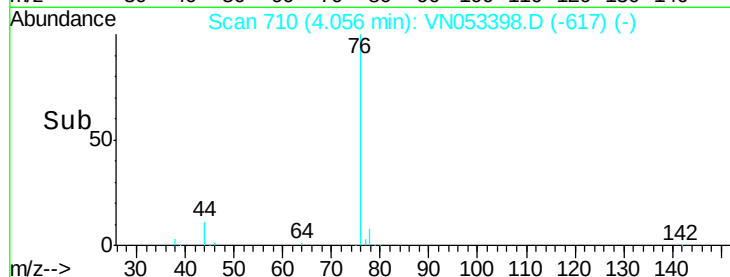
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.870 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053398.D

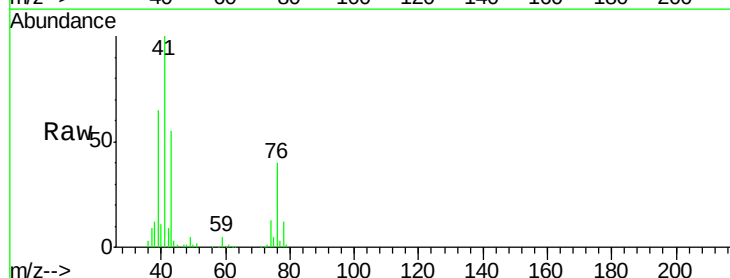
Acq: 15 Jan 2019 10:09

Tgt Ion: 43 Resp: 137489

Ion Ratio Lower Upper

43 100

74 23.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

50000

40000

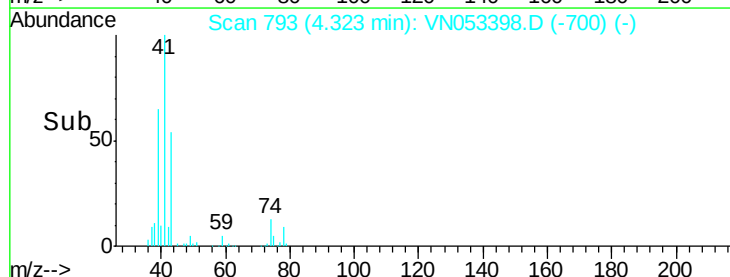
30000

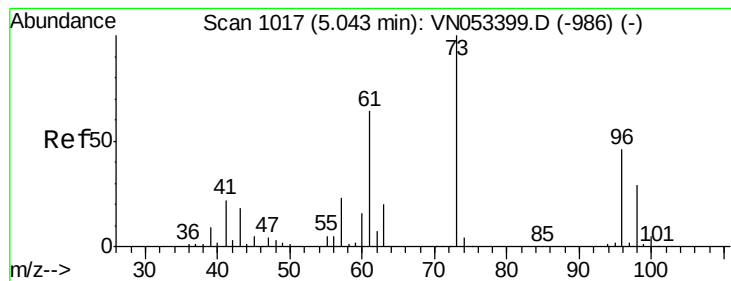
20000

10000

0

Time-->





#19

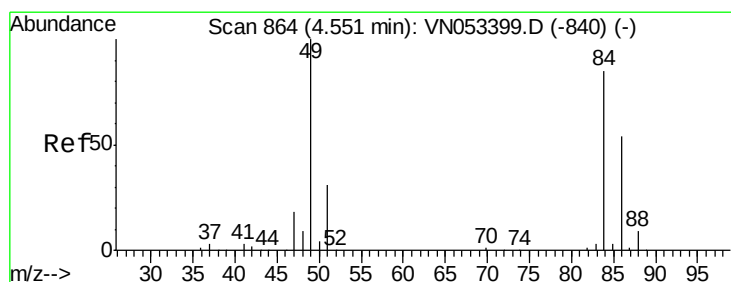
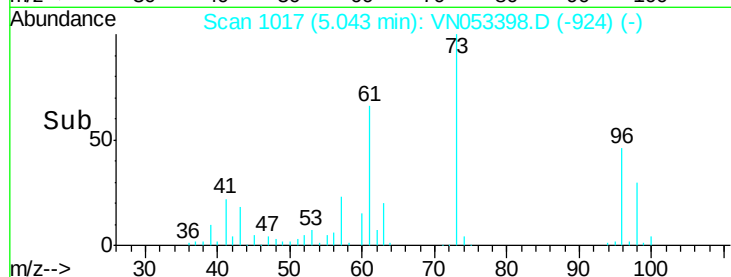
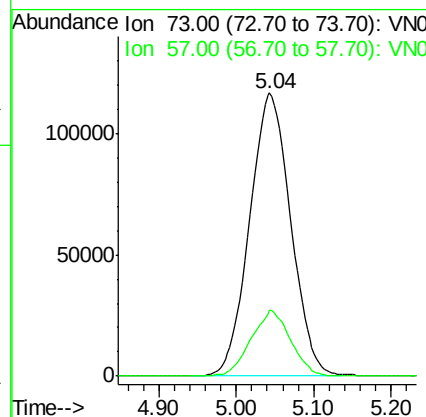
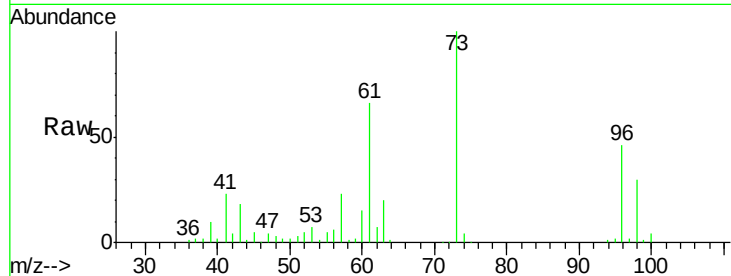
Methyl tert-butyl Ether
 Concen: 20.598 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 73 Resp: 431529
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.5 27.7

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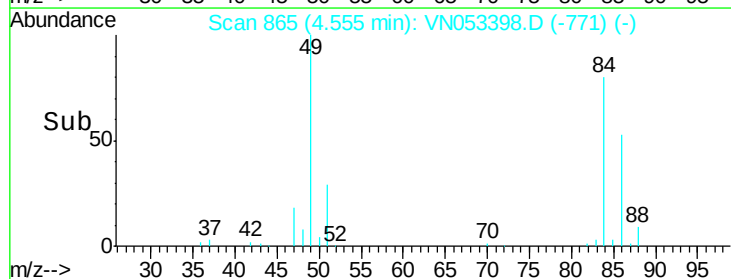
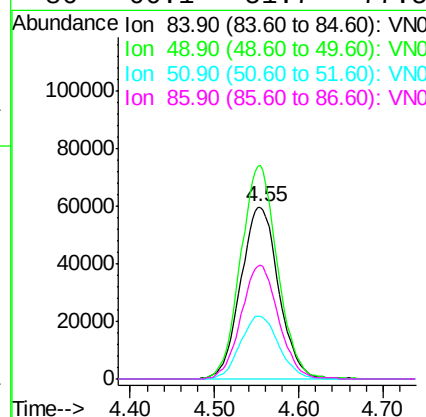
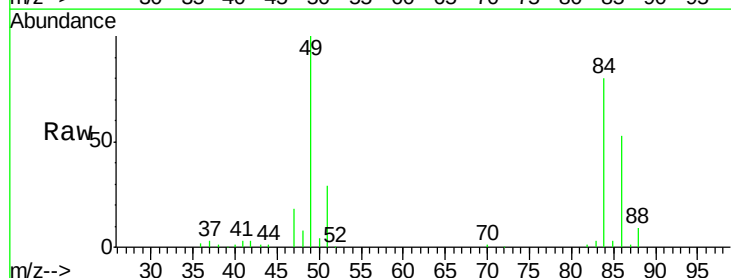
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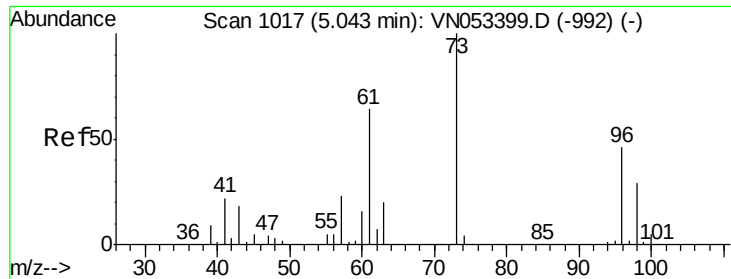


#20

Methylene Chloride
 Concen: 19.933 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion: 84 Resp: 186898
 Ion Ratio Lower Upper
 84 100
 49 124.4 95.3 142.9
 51 36.3 29.0 43.6
 86 66.1 51.7 77.5





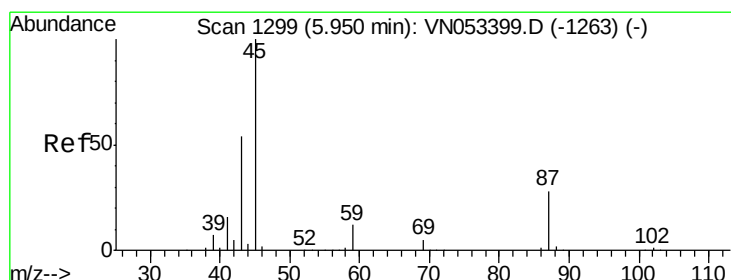
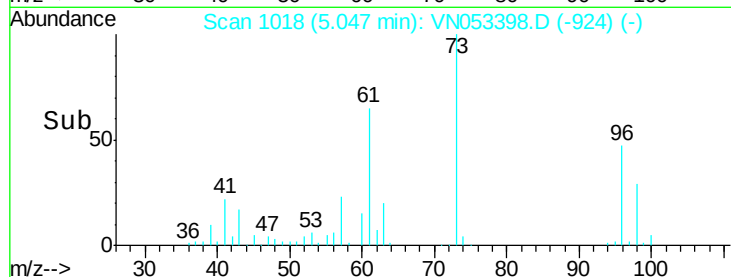
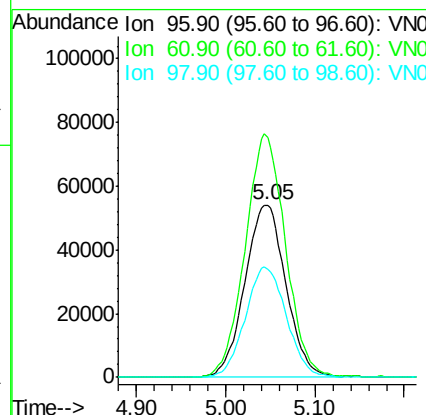
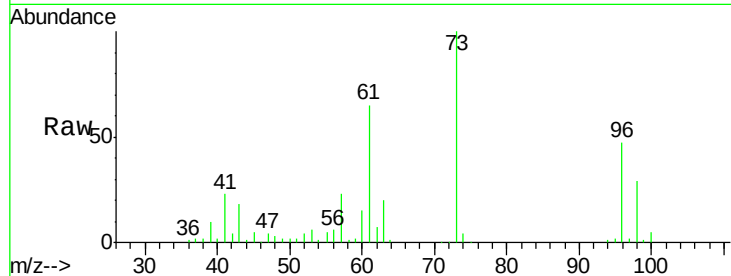
#21
trans-1,2-Dichloroethene
Concen: 20.563 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	110.2	165.4
98	62.8	50.7	76.1

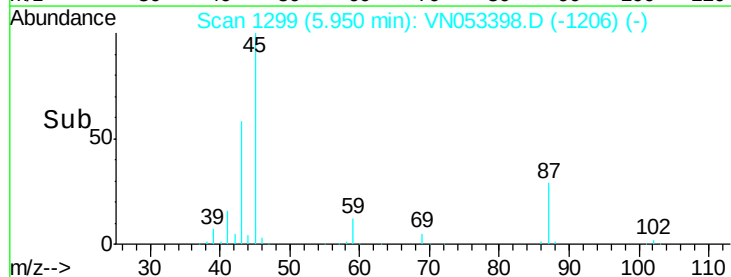
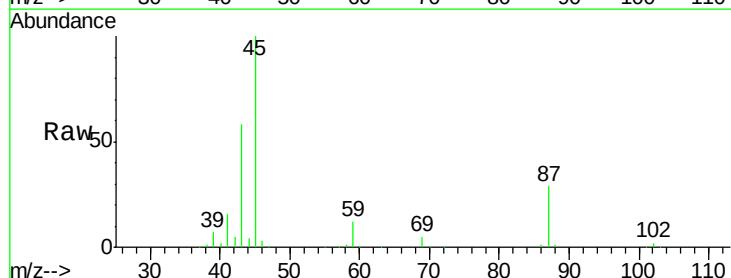
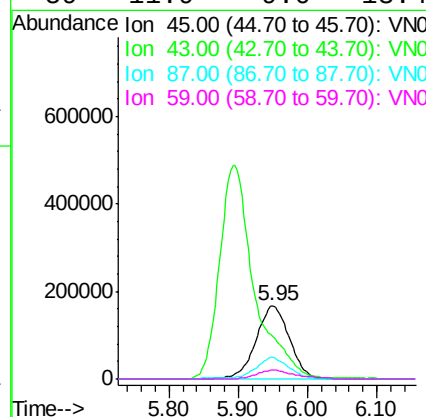
Manual Integrations
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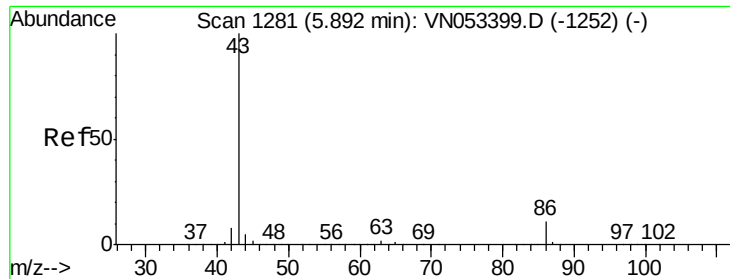
MMDadoda
1/16/2019 9:50:44 AM



#22
Diisopropyl ether
Concen: 21.007 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	43.0	64.6
87	29.1	22.1	33.1
59	11.9	9.0	13.4





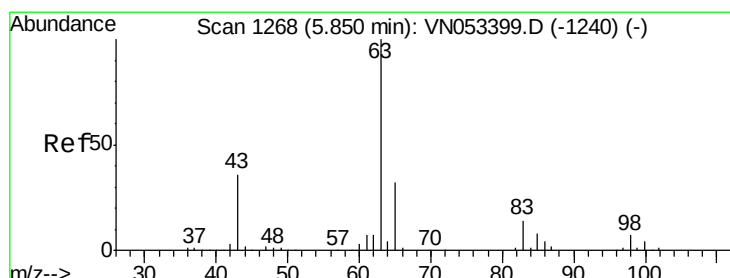
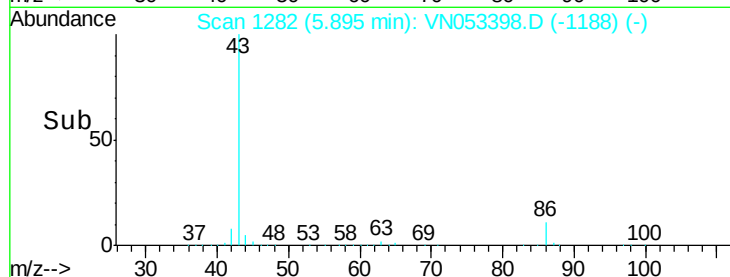
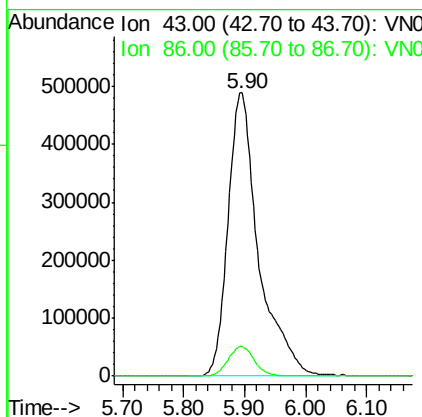
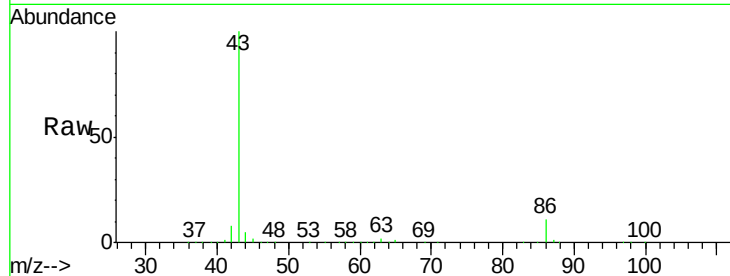
#23
 Vinyl Acetate
 Concen: 103.757 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 43 Resp: 1705276
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

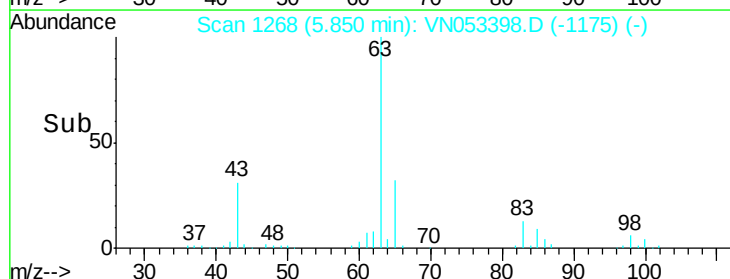
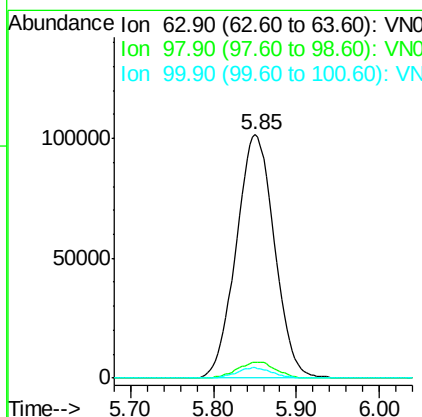
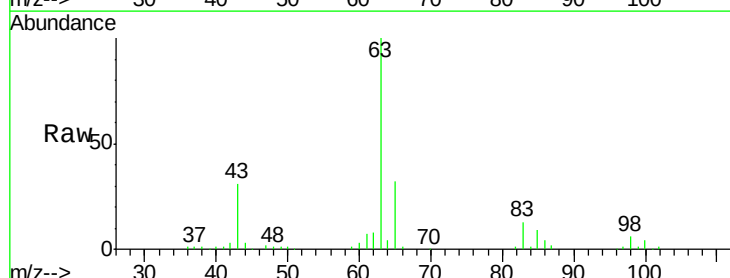
Manual Integrations
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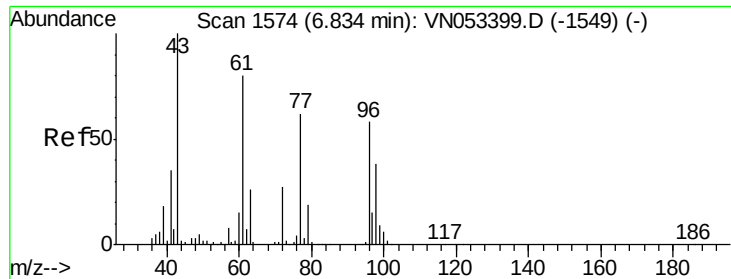
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 20.615 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion: 63 Resp: 325831
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 102.558 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 324575

Ion Ratio Lower Upper

43 100

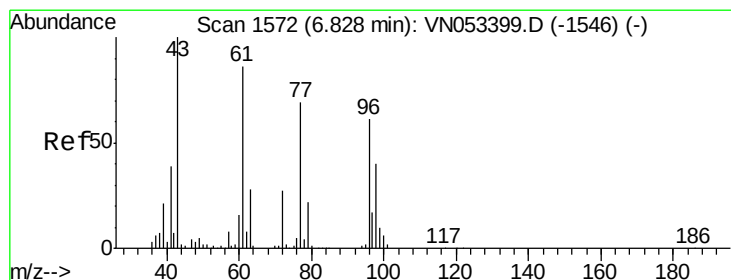
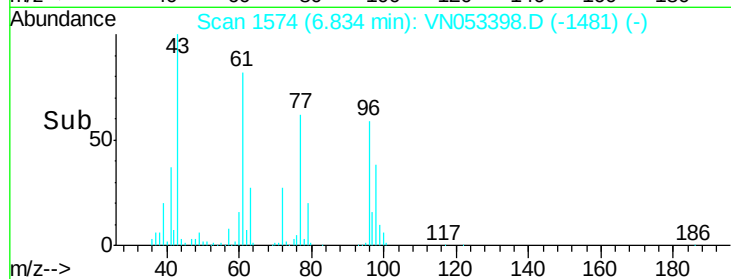
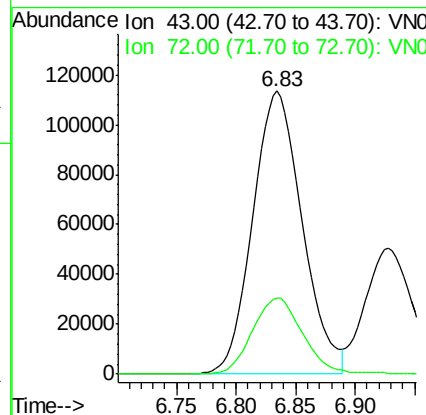
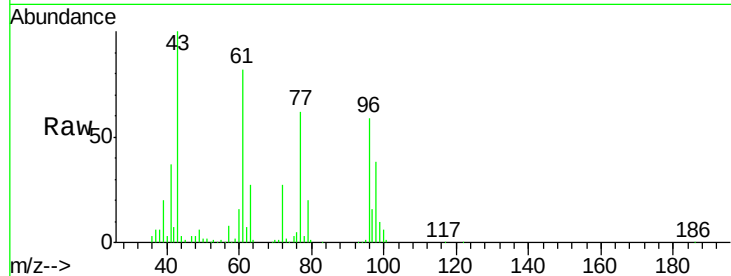
72 27.1 22.0 33.0

Manual Integrations

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MMDadoda

1/16/2019 9:50:44 AM



#26

2,2-Dichloropropane

Concen: 20.487 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053398.D

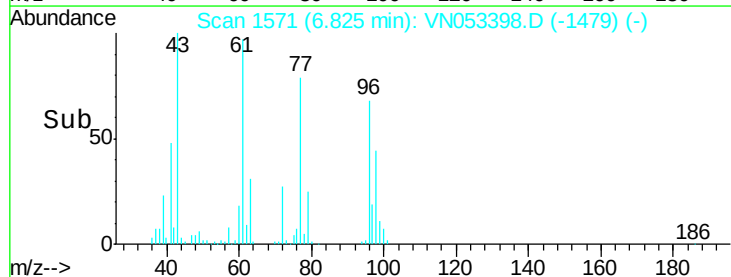
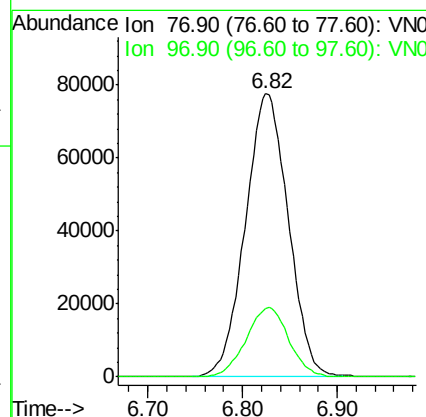
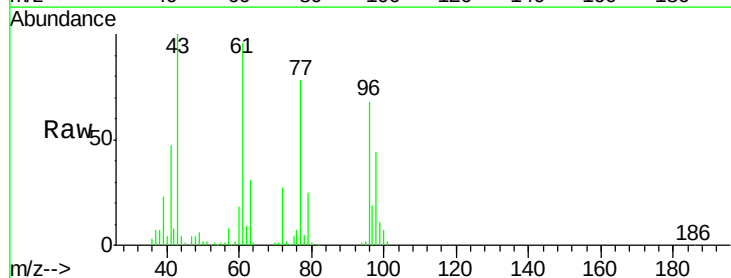
Acq: 15 Jan 2019 10:09

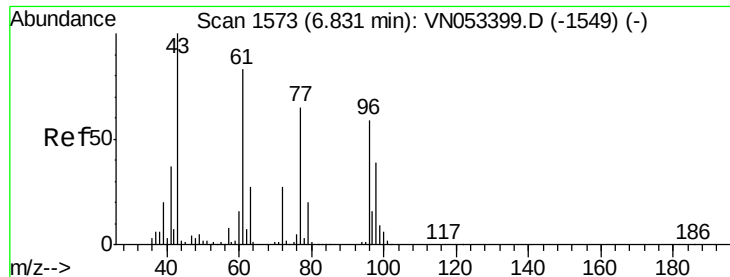
Tgt Ion: 77 Resp: 244480

Ion Ratio Lower Upper

77 100

97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.583 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

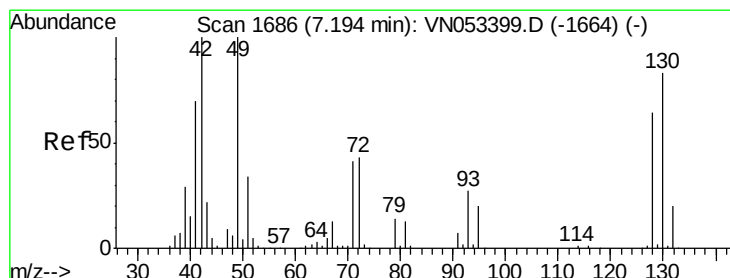
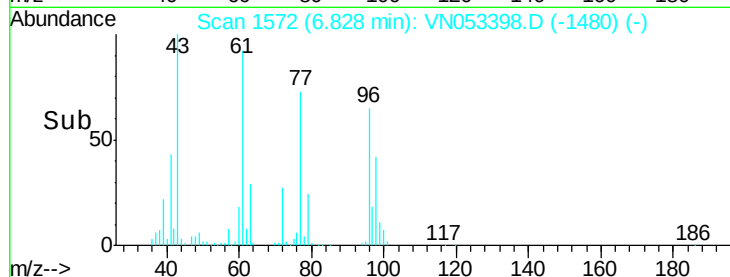
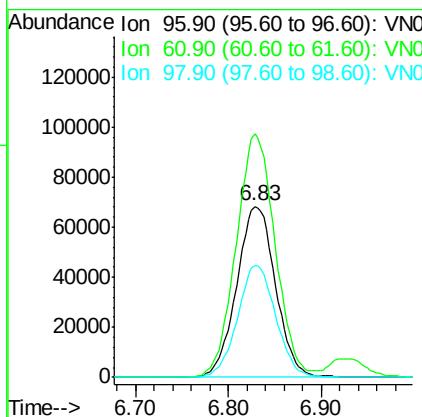
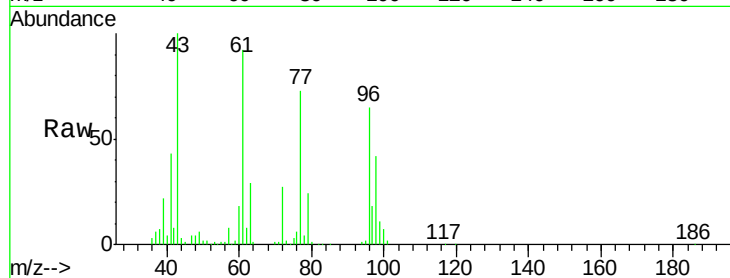
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	198407
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	280.6
98	64.7	0.0	127.6

Manual Integrations
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1/16/2019 9:50:44 AM



#28

Bromochloromethane

Concen: 19.322 ug/l

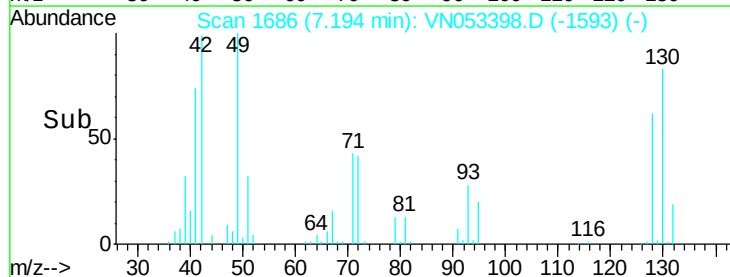
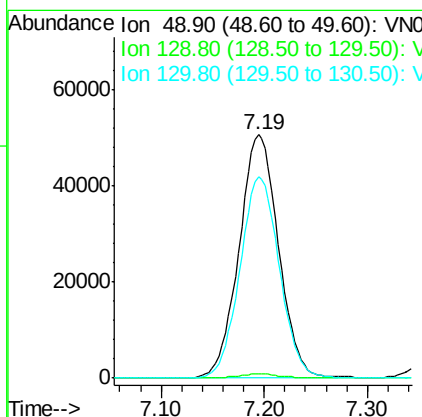
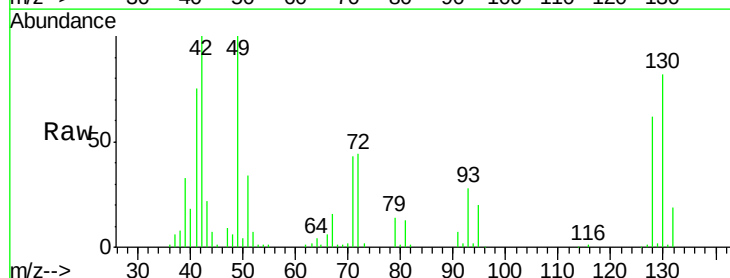
RT: 7.19 min Scan# 1686

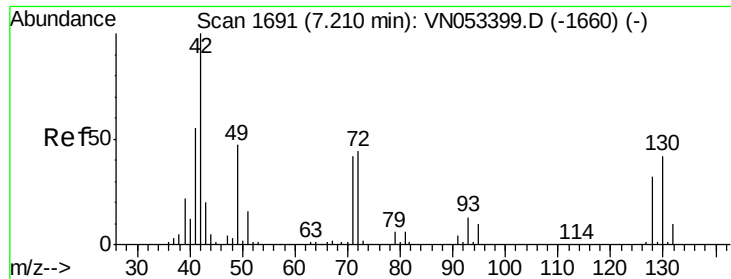
Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Tgt Ion:	49	Resp:	134541
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	82.8	65.4	98.0





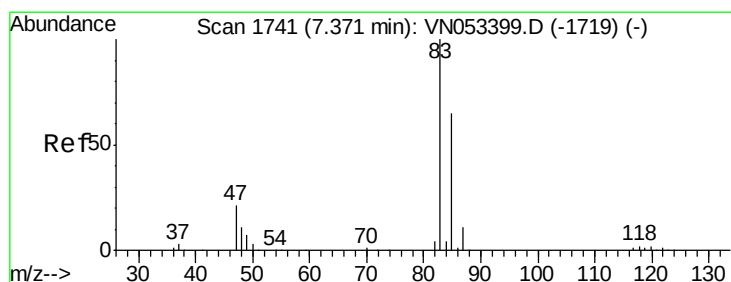
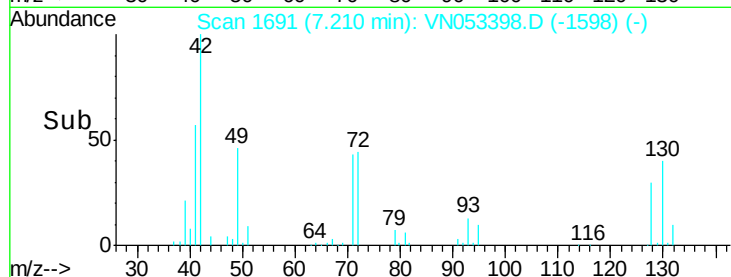
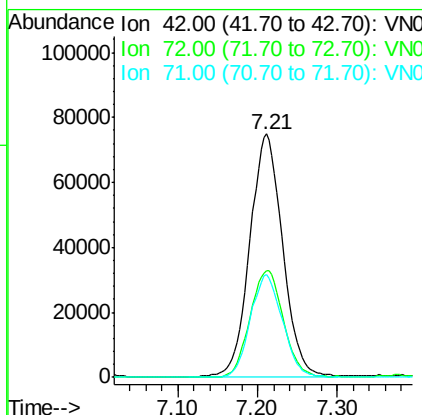
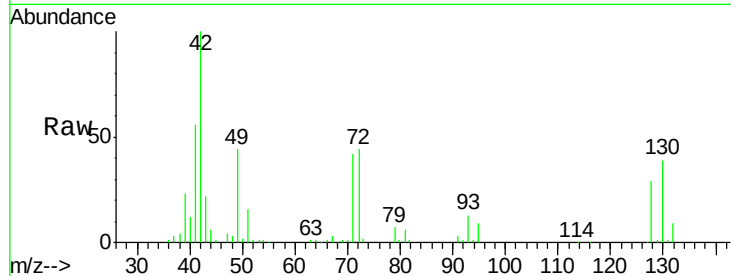
#29
Tetrahydrofuran
Concen: 102.357 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.6	53.4
71	41.1	33.8	50.8

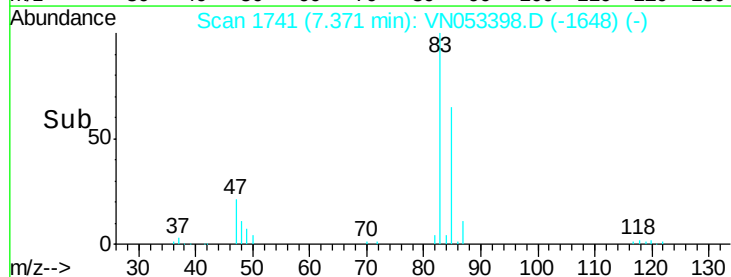
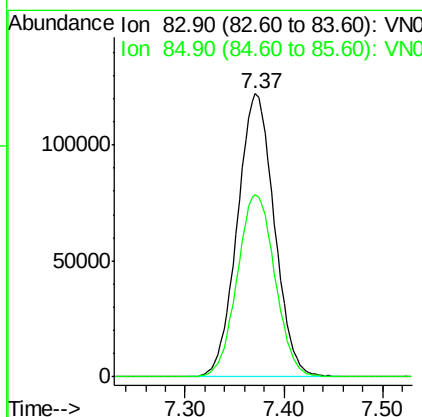
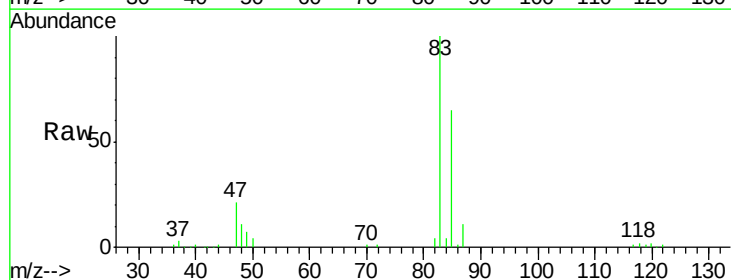
Manual Integrations
APPROVED

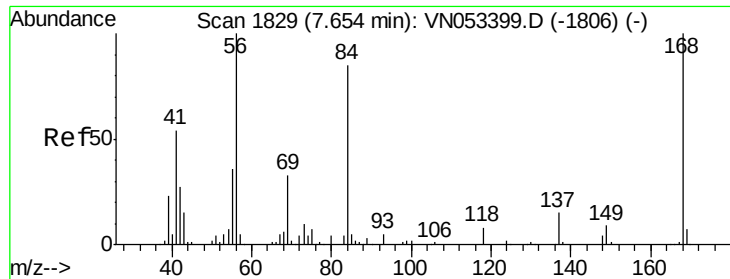
MMDadoda
1/16/2019 9:50:44 AM



#30
Chloroform
Concen: 20.514 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.3	76.9





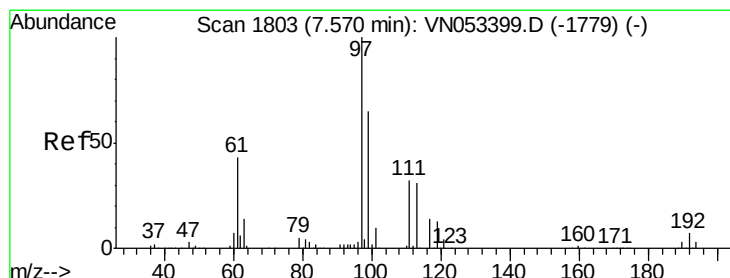
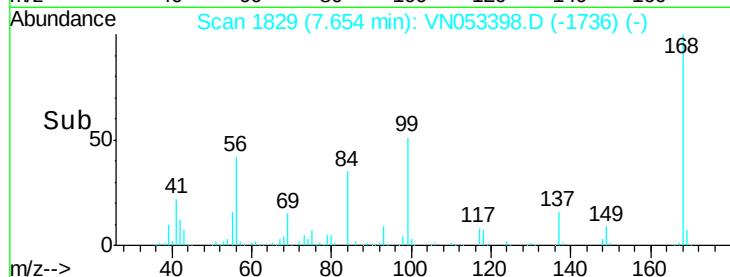
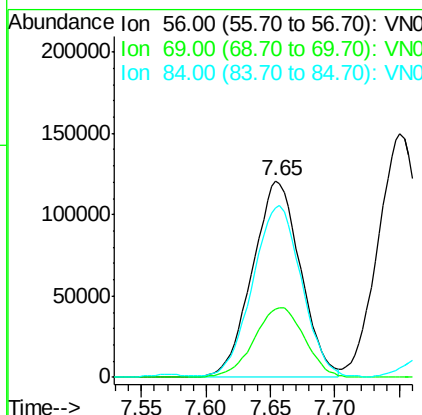
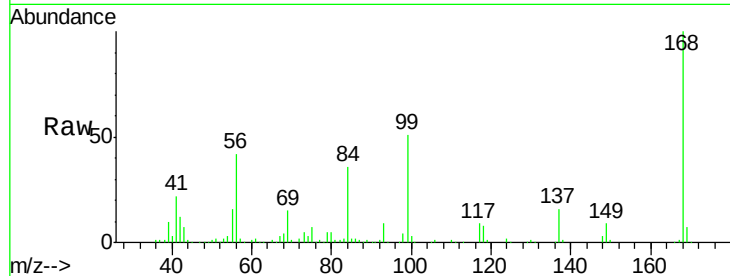
#31
Cyclohexane
Concen: 20.220 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	26.7	40.1
84	85.6	68.2	102.4

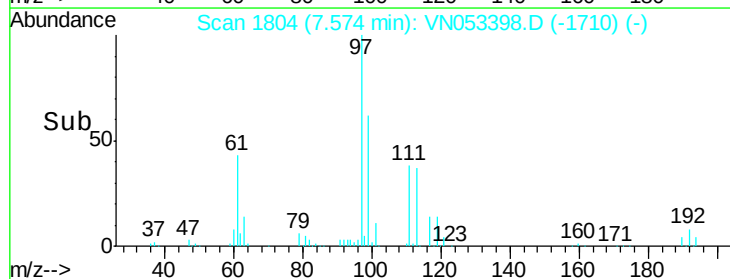
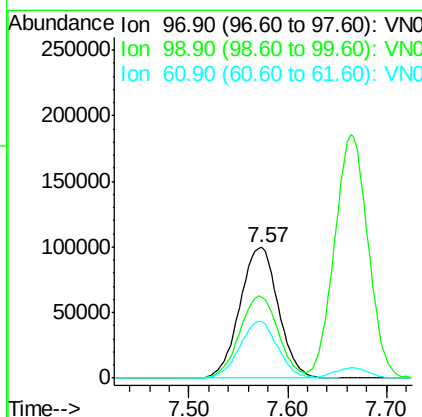
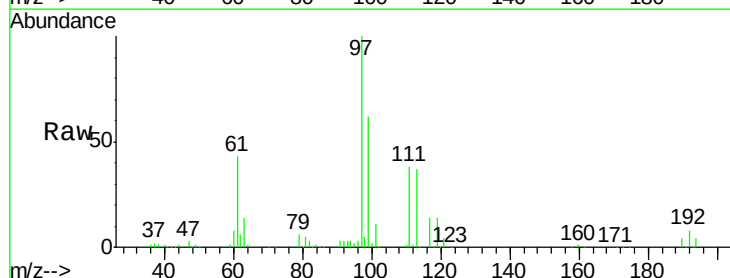
Manual Integrations
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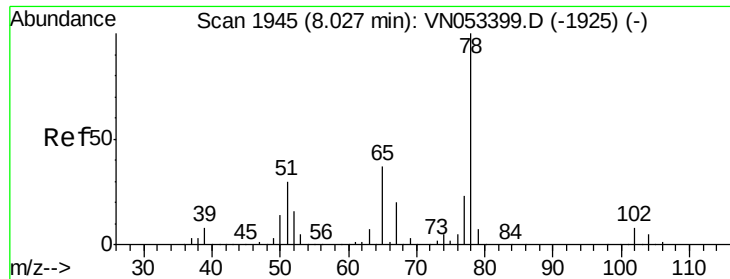
MMDadoda
1/16/2019 9:50:44 AM



#32
1,1,1-Trichloroethane
Concen: 20.548 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	42.8	34.6	52.0





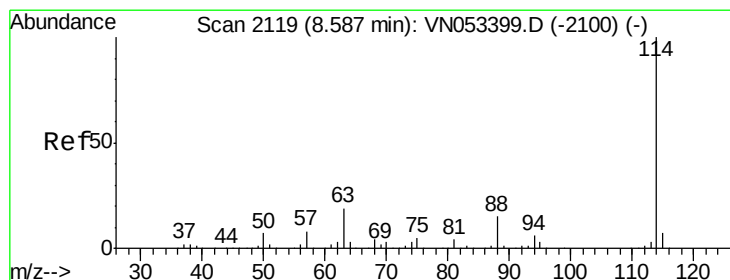
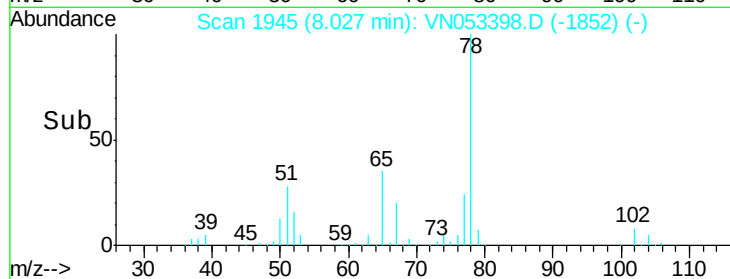
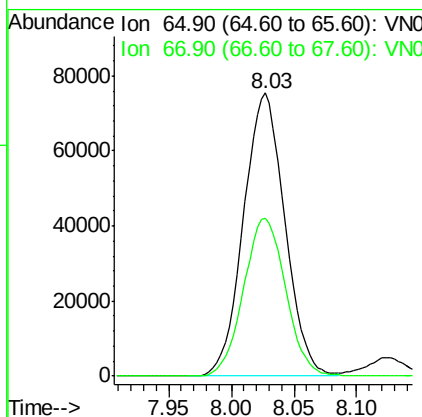
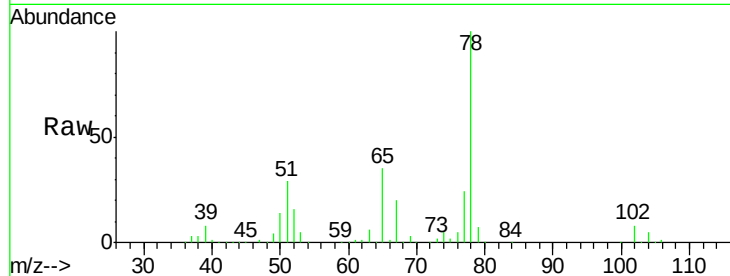
#33
 1,2-Dichloroethane-d4
 Concen: 20.548 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	173326		
67	56.8	0.0	111.0	

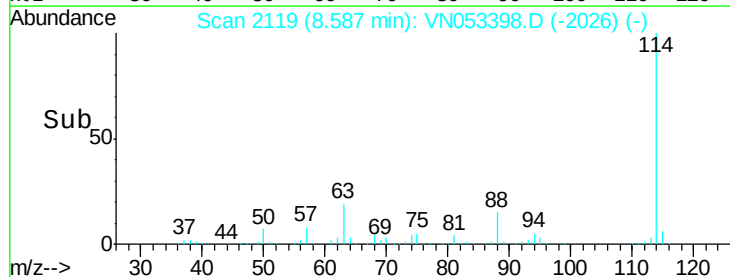
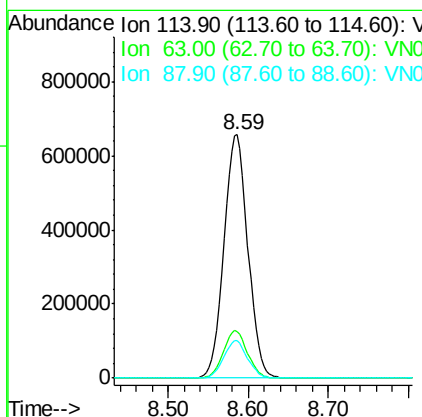
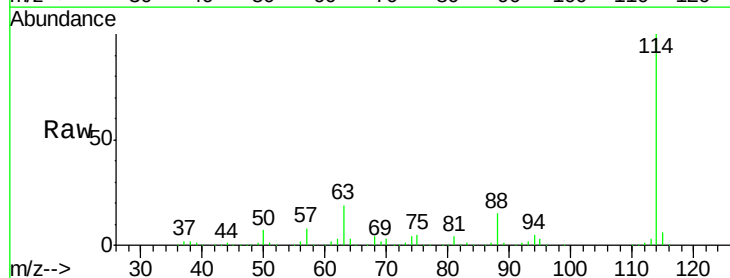
Manual Integrations
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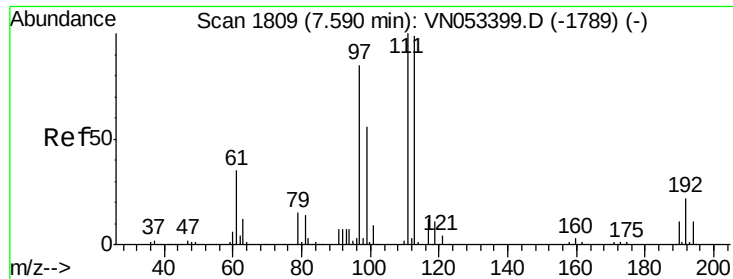
MMDadoda
 1/16/2019 9:50:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1338043		
63	19.3	0.0	39.0	
88	15.3	0.0	30.8	





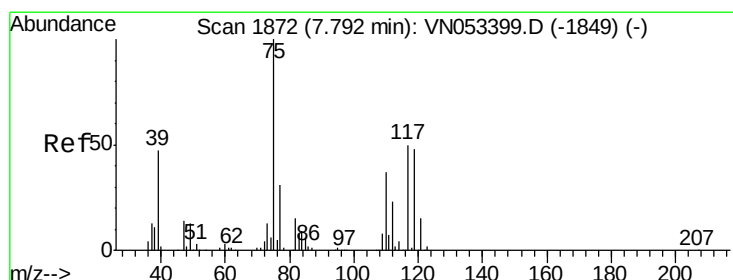
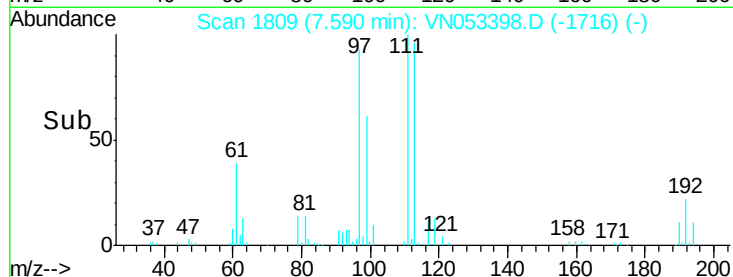
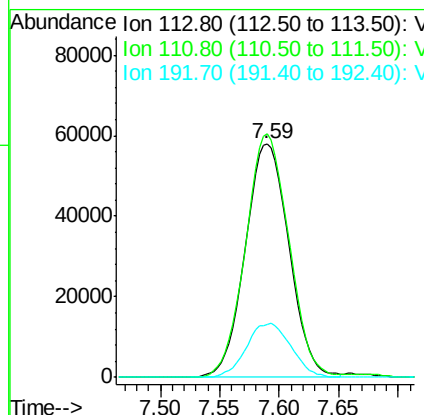
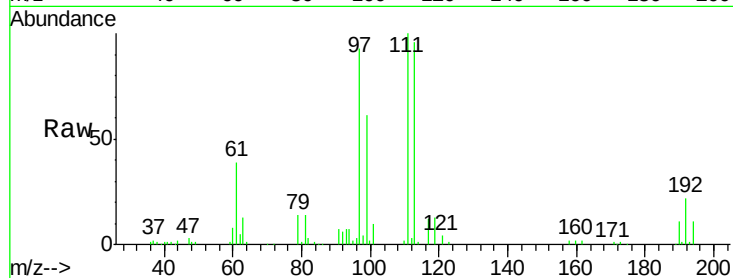
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.2
192	23.5	17.9	26.9

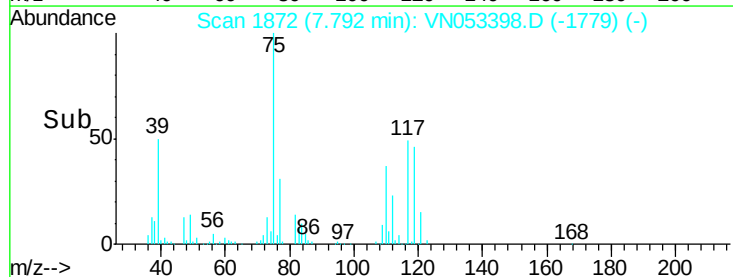
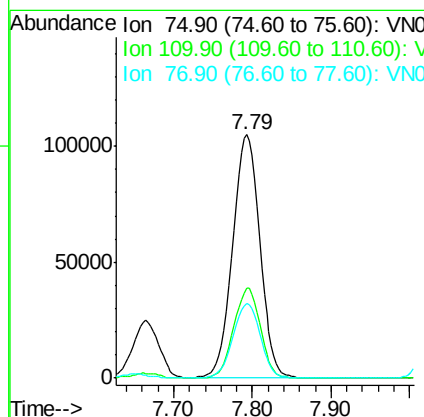
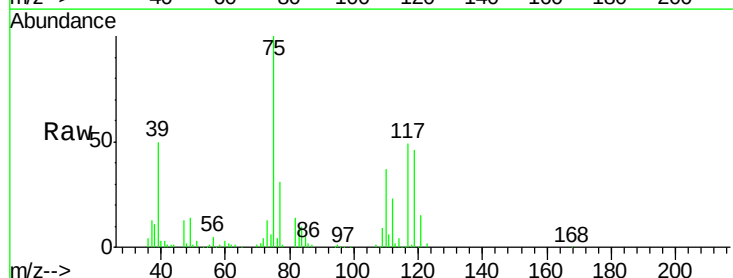
Manual Integrations
 APPROVED

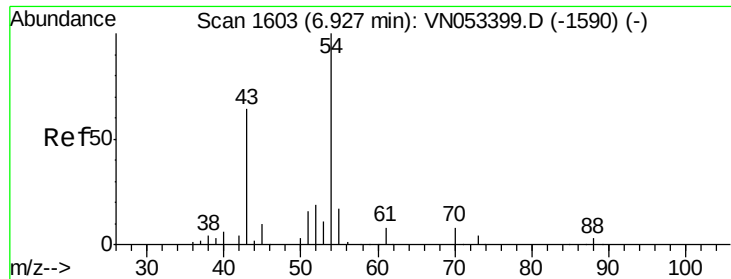
MMDadoda
 1/16/2019 9:50:44 AM



#36
 1,1-Dichloropropene
 Concen: 20.776 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.4	55.0
77	30.9	25.3	37.9





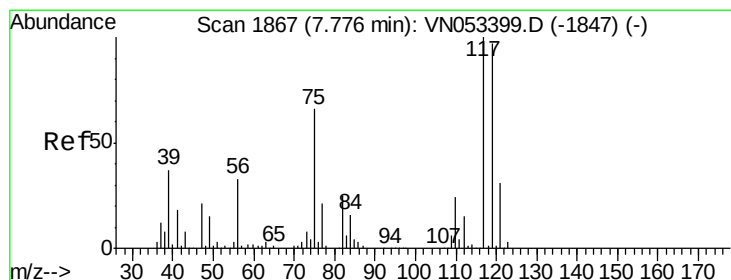
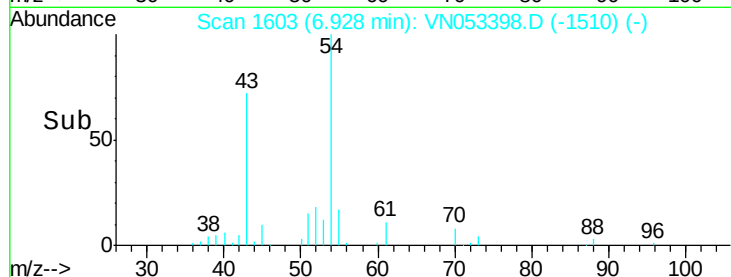
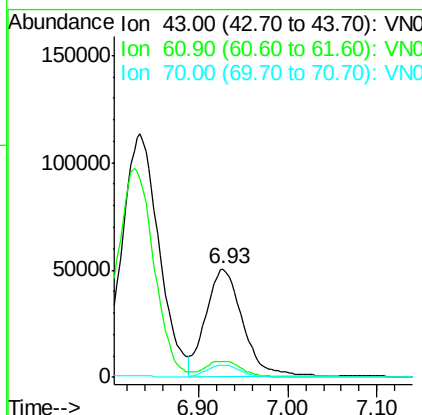
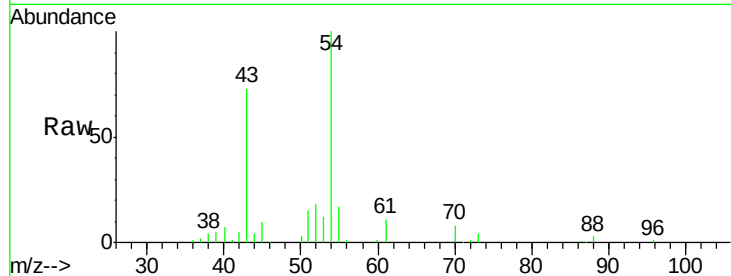
#37
Ethyl Acetate
Concen: 20.221 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.9	17.9
70	11.0	8.6	13.0

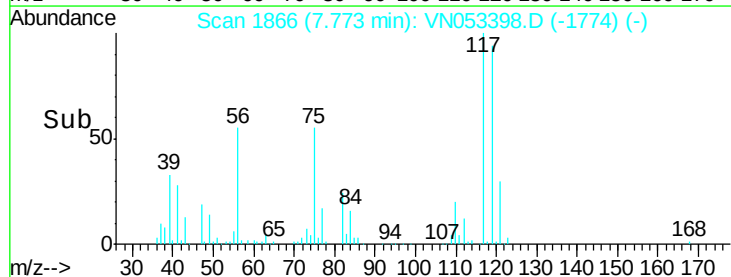
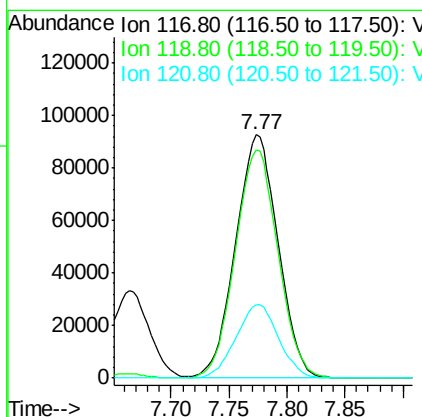
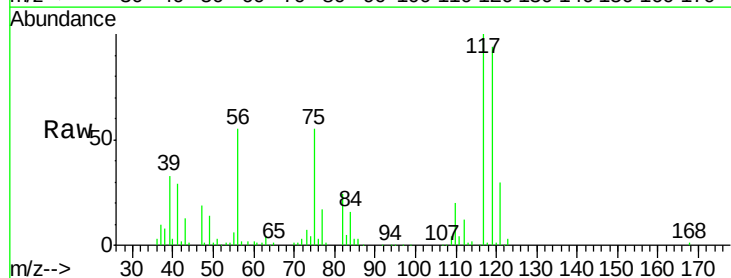
Manual Integrations
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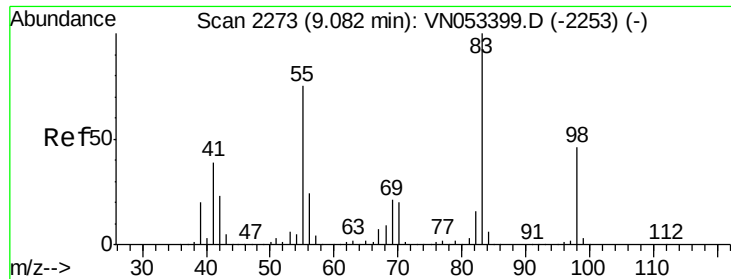
MMDadoda
1/16/2019 9:50:44 AM



#38
Carbon Tetrachloride
Concen: 20.432 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.6	115.0
121	30.4	25.0	37.4





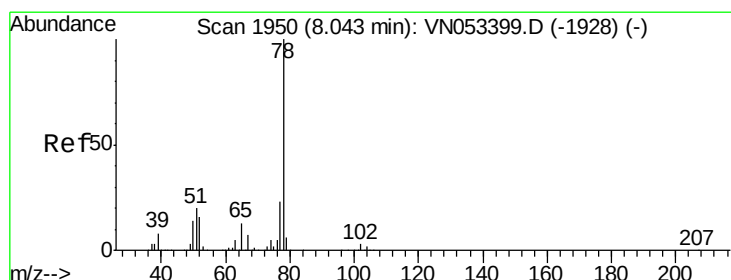
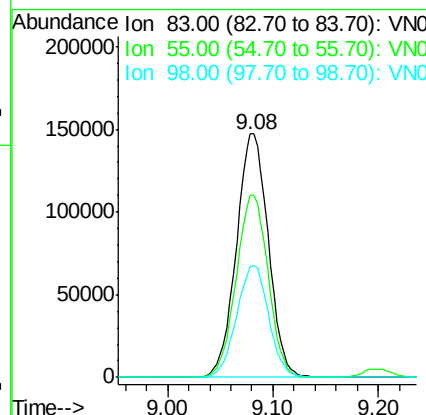
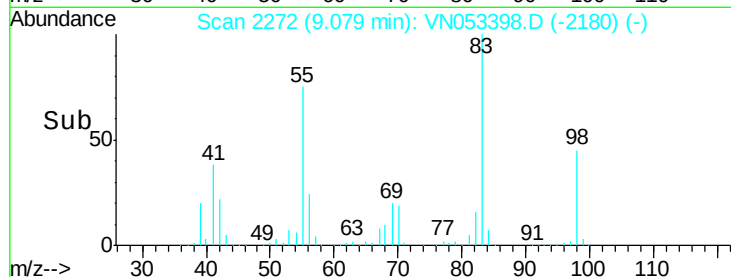
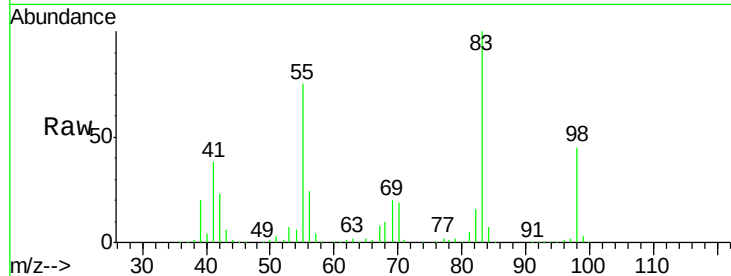
#39
Methylvlcyclohexane
Concen: 20.507 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.7	60.1	90.1	
98	45.4	36.7	55.1	

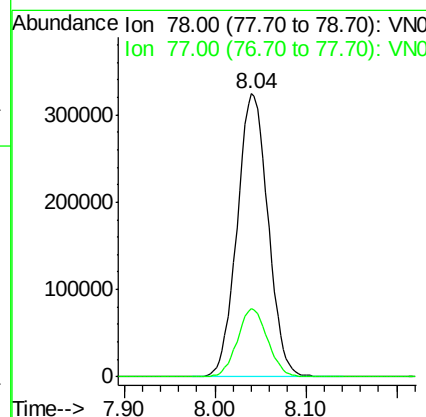
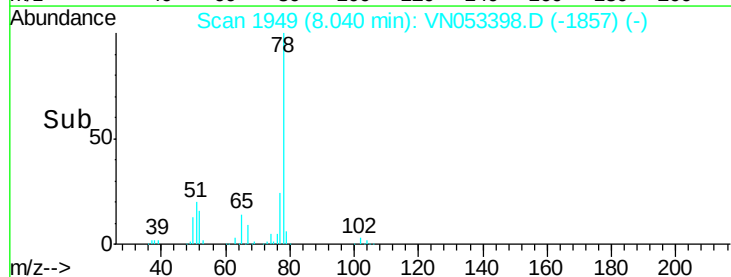
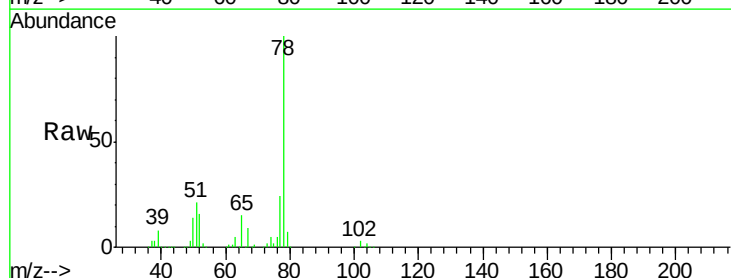
Manual Integrations
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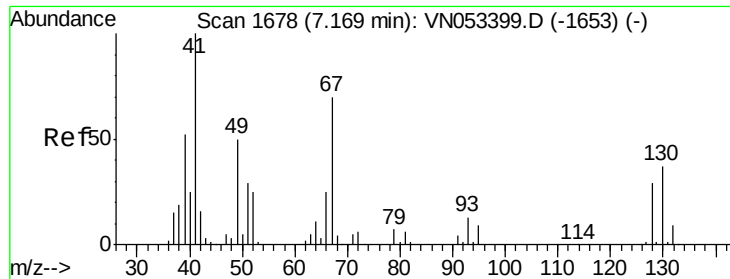
MMDadoda
1/16/2019 9:50:44 AM



#40
Benzene
Concen: 20.653 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.0	28.4	





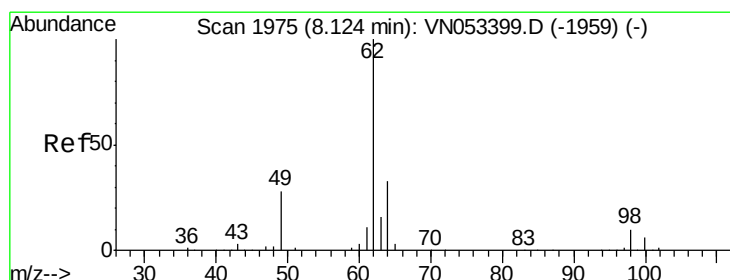
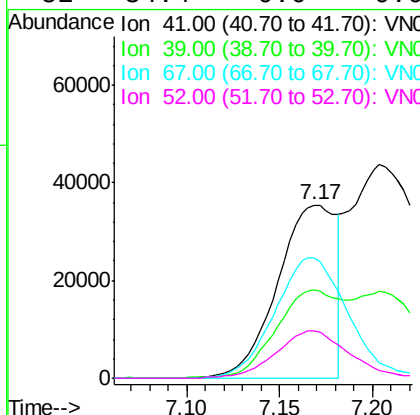
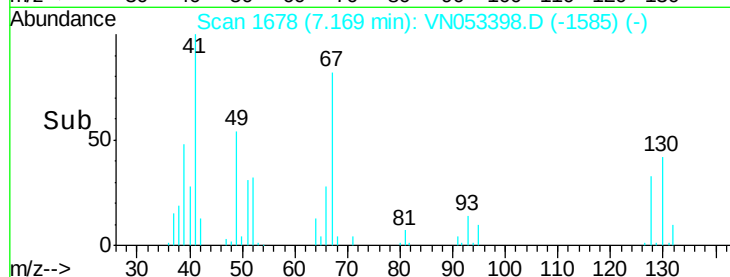
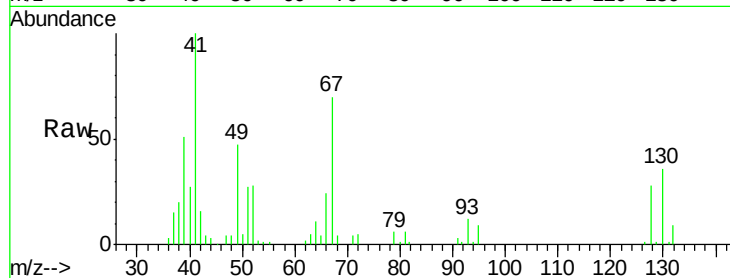
#41
Methacrylonitrile
Concen: 17.885 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	0.0	0.0	#
67	87.2	0.0	0.0	#
52	34.4	0.0	0.0	#

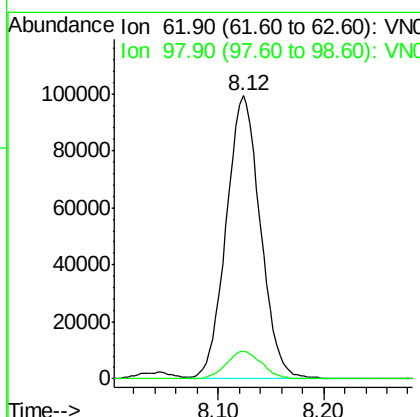
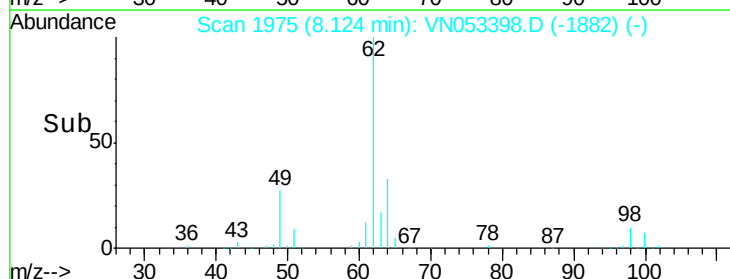
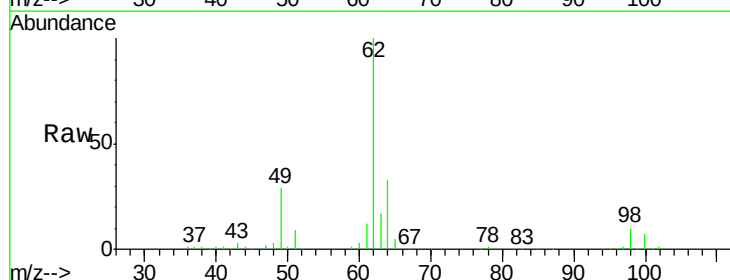
Manual Integrations
APPROVED

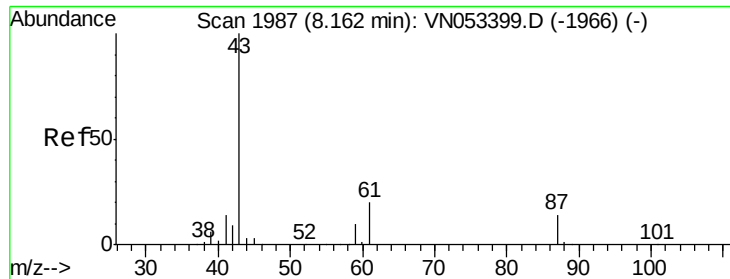
MMDadoda
1/16/2019 9:50:44 AM



#42
1,2-Dichloroethane
Concen: 20.556 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.2	





#43

Isopropyl Acetate

Concen: 20.016 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

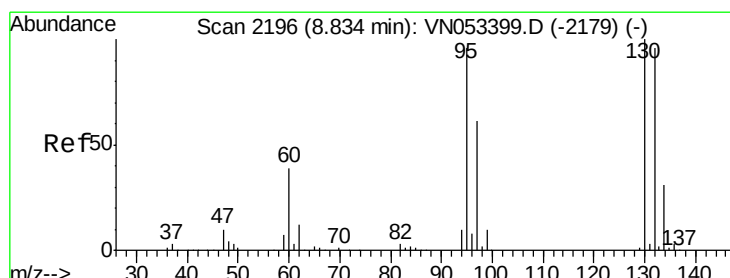
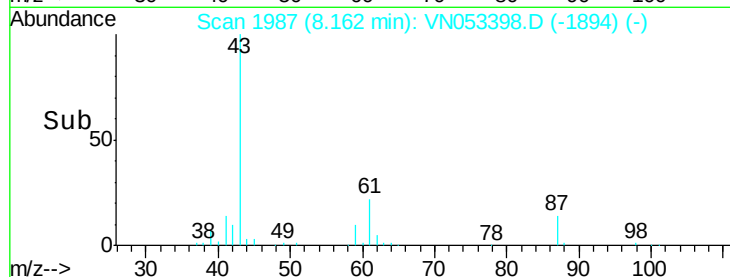
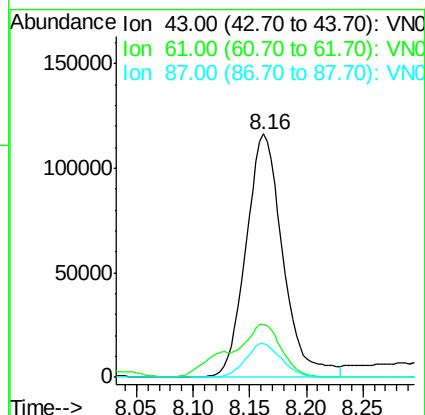
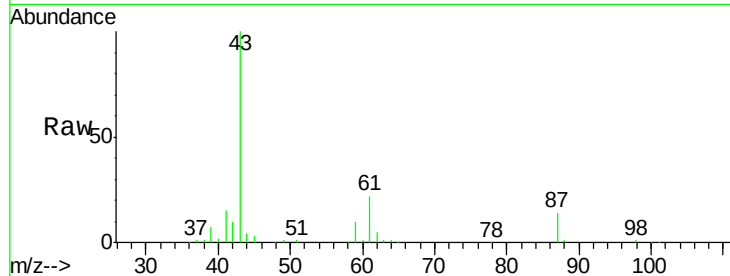
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	263480
Ion	Ratio	Lower	Upper
43	100		
61	21.2	23.3	34.9#
87	13.4	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.632 ug/l

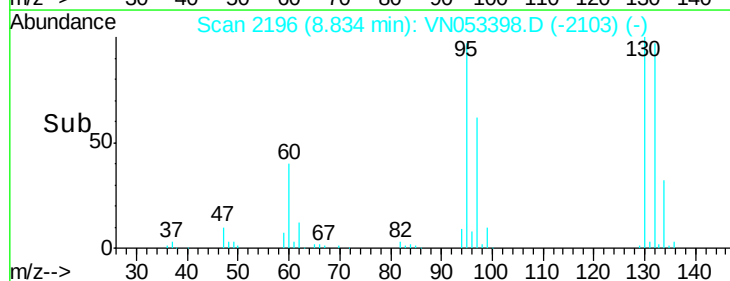
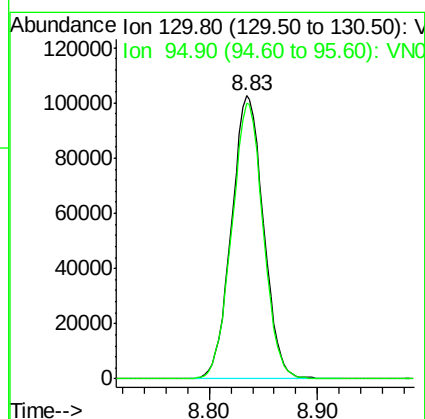
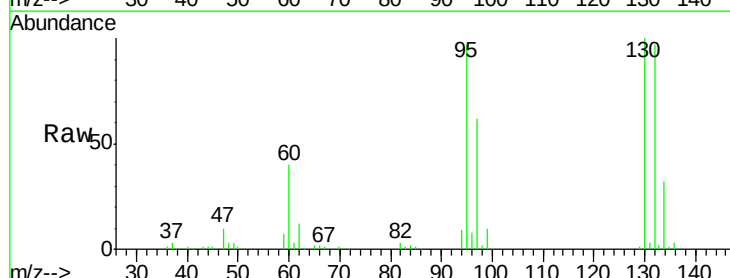
RT: 8.83 min Scan# 2196

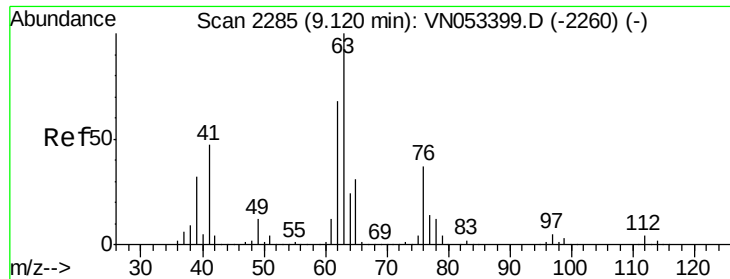
Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Tgt Ion:	130	Resp:	211874
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	191.8





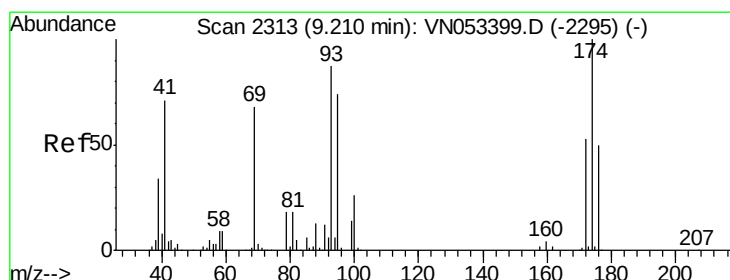
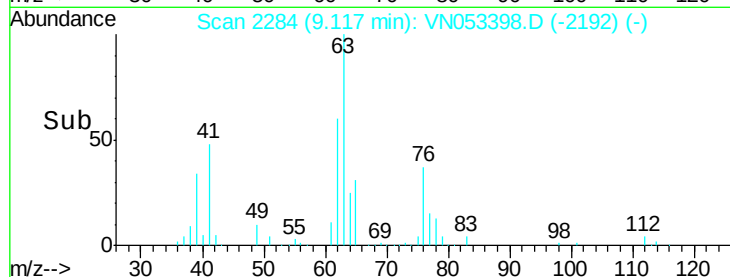
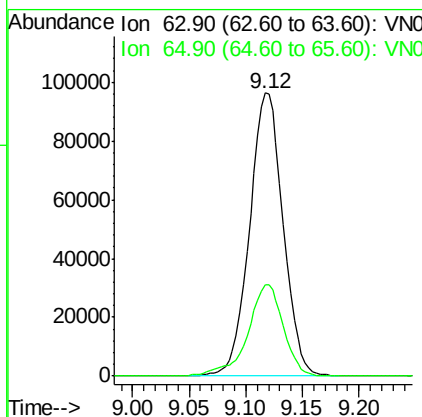
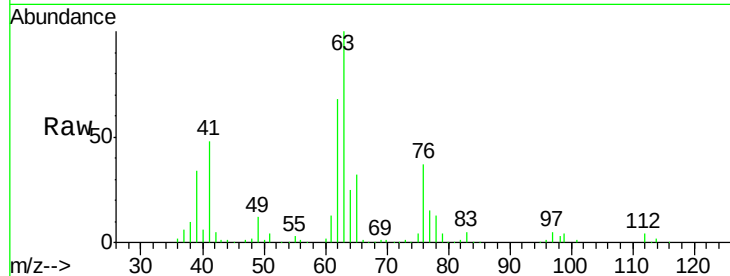
#45
 1,2-Dichloropropane
 Concen: 20.235 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 198471
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.6

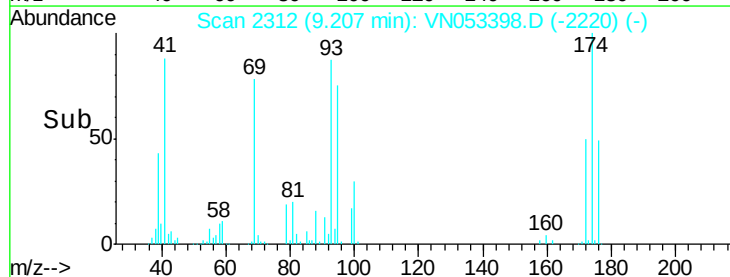
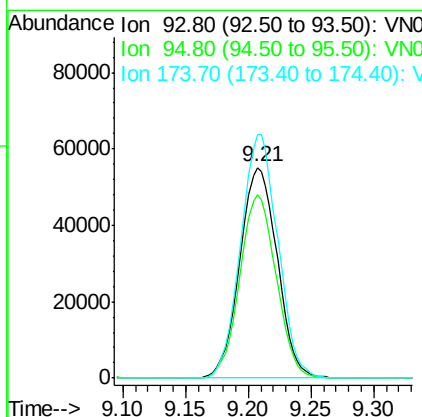
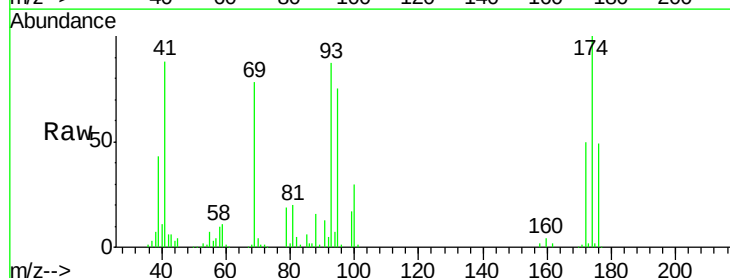
Manual Integrations
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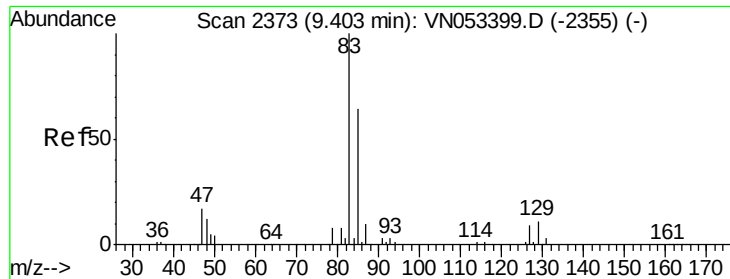
MMDadoda
 1/16/2019 9:50:44 AM



#46
 Dibromomethane
 Concen: 20.264 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion: 93 Resp: 114191
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.6 100.0
 174 114.6 91.4 137.0





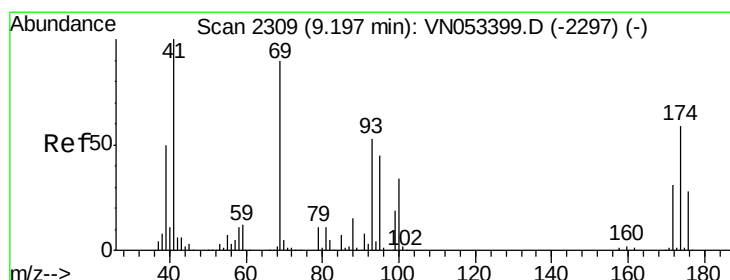
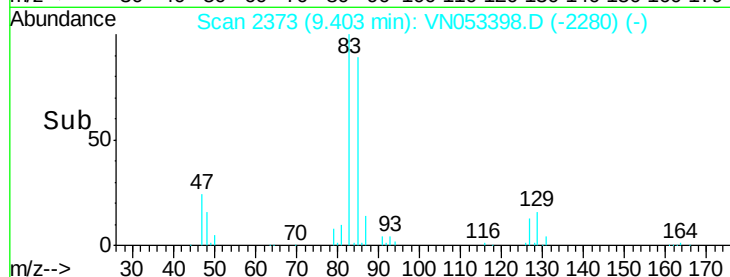
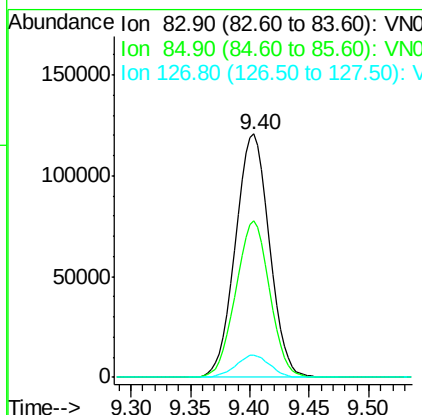
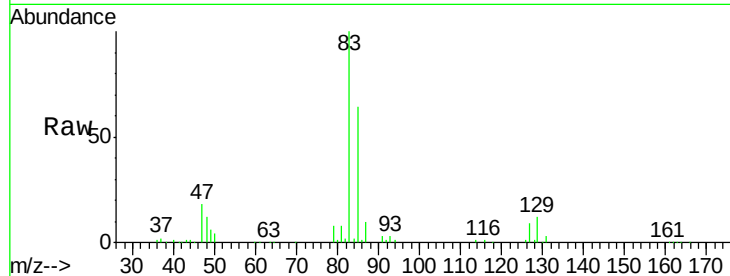
#47
Bromodichloromethane
Concen: 20.195 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	239328
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.7	77.5
127	9.2	7.0	10.6

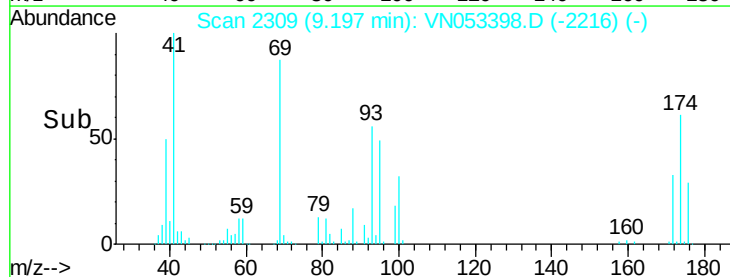
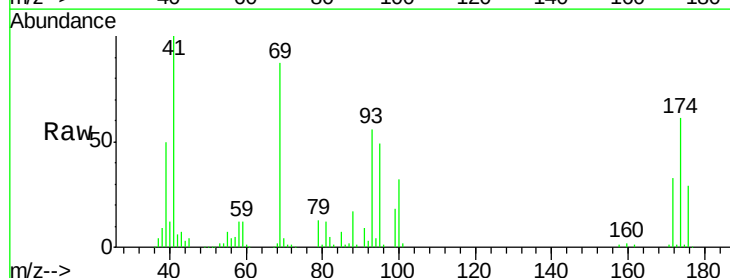
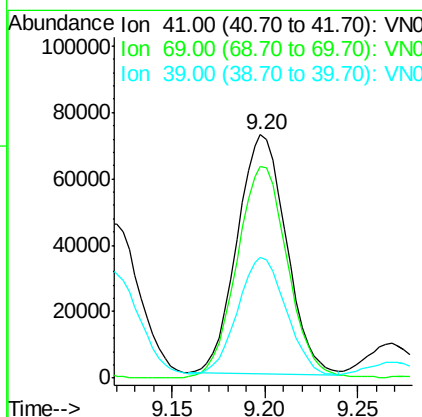
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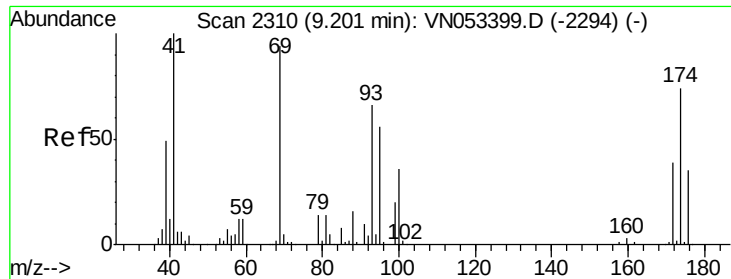
MMDadoda
1/16/2019 9:50:44 AM



#48
Methyl methacrylate
Concen: 20.343 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	41	Resp	132414
Ion Ratio	100	Lower	Upper
41	100		
69	91.4	73.5	110.3
39	51.6	41.6	62.4





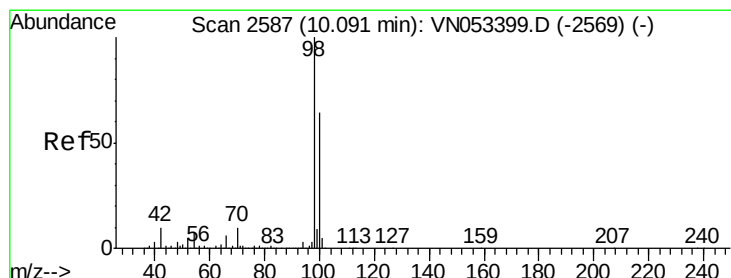
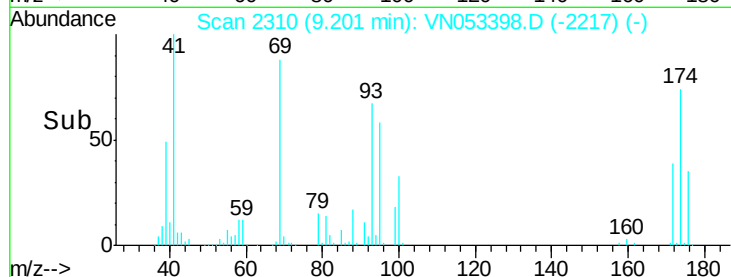
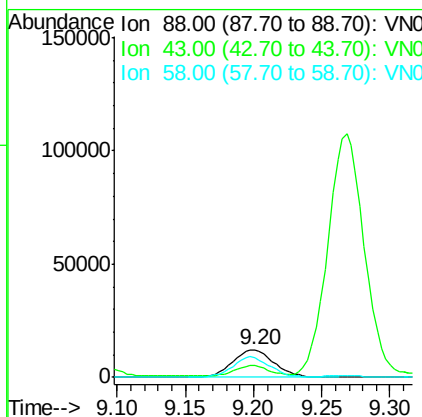
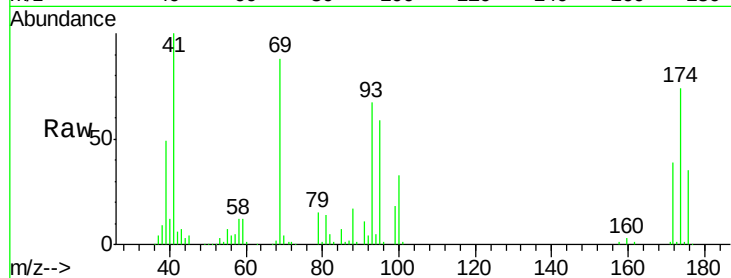
#49
 1,4-Dioxane
 Concen: 404.986 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.2	39.4
58	67.1	55.5	83.3

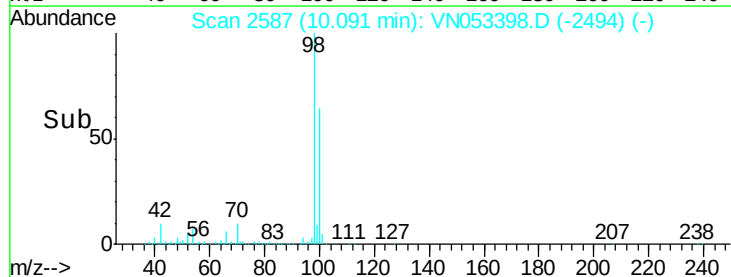
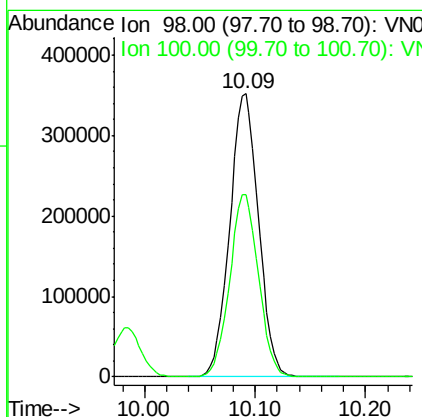
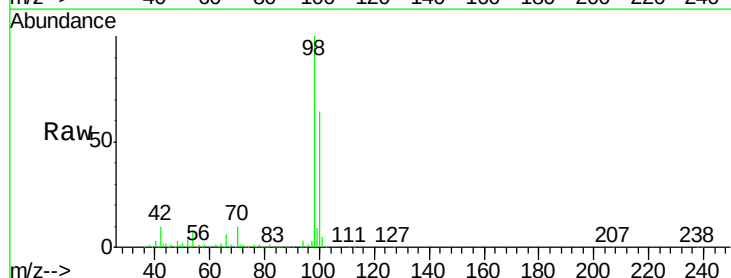
Manual Integrations
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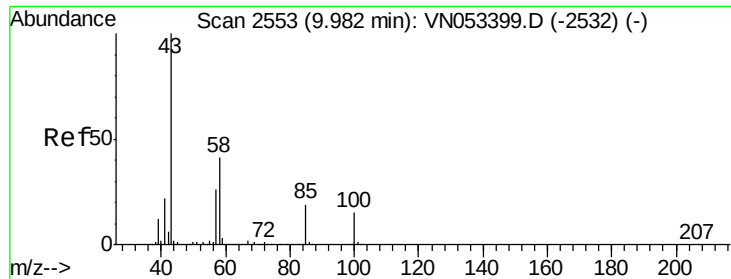
MMDadoda
 1/16/2019 9:50:44 AM



#50
 Toluene-d8
 Concen: 404.986 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





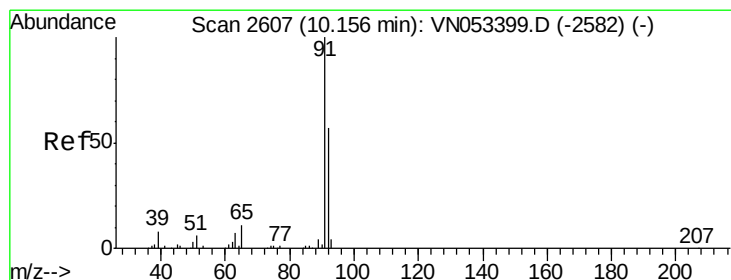
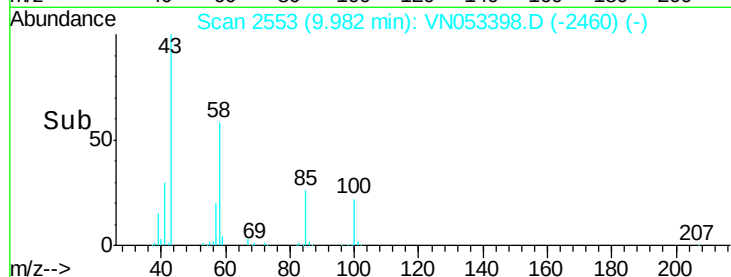
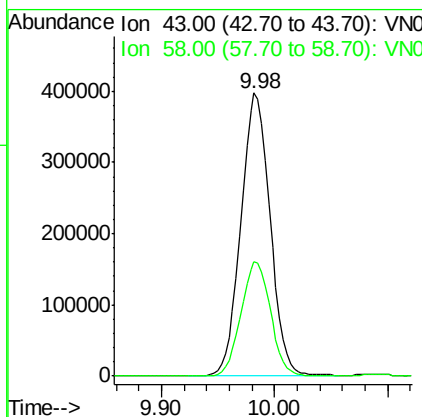
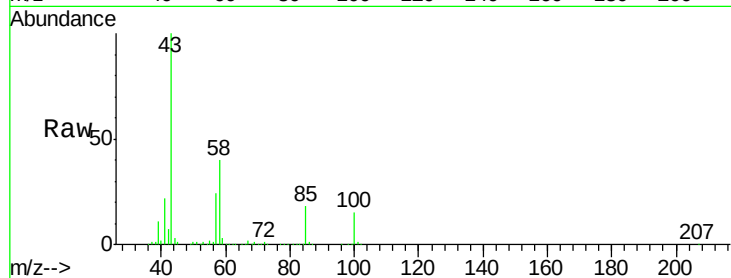
#51
4-Methyl-2-Pentanone
Concen: 103.846 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.7	49.1

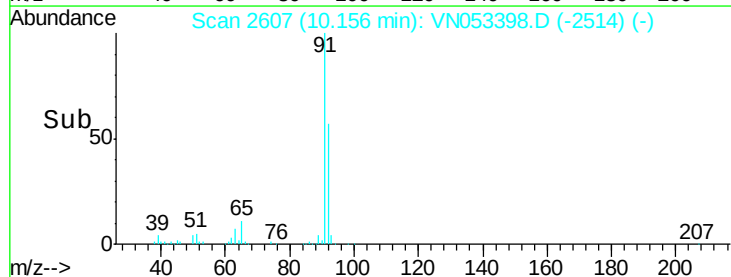
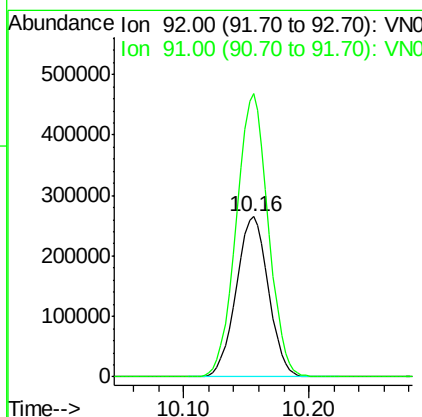
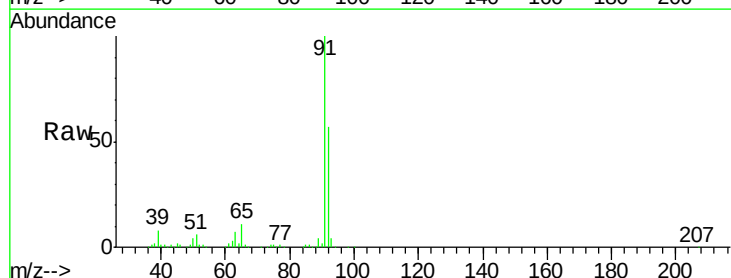
Manual Integrations
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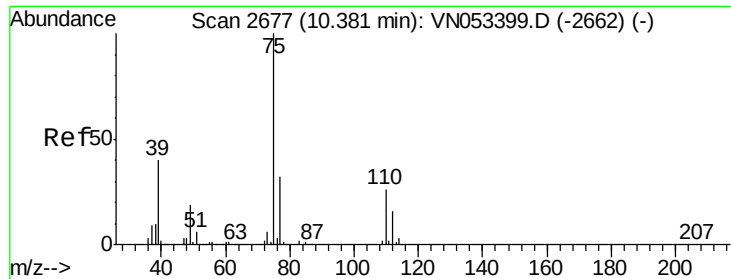
MMDadoda
1/16/2019 9:50:44 AM



#52
Toluene
Concen: 20.630 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	138.6	208.0





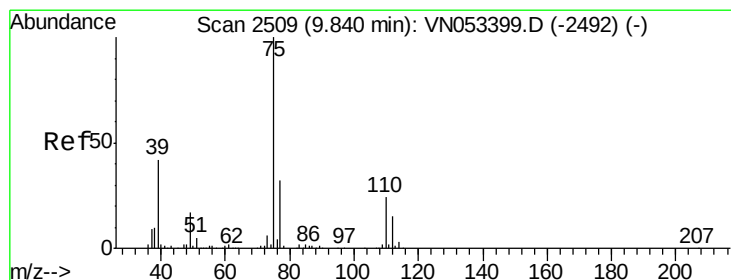
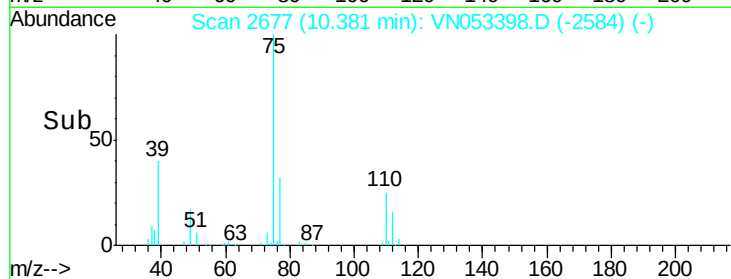
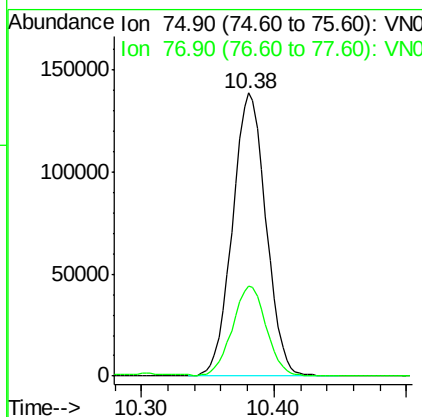
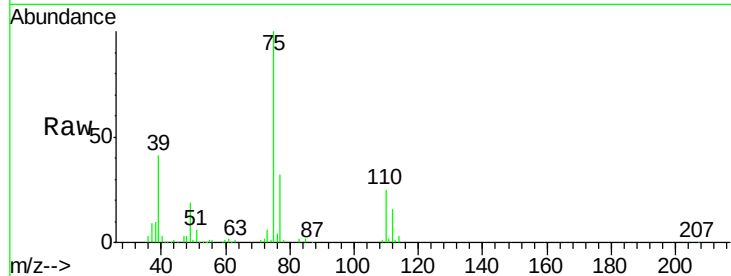
#53
t-1,3-Dichloropropene
Concen: 20.252 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4

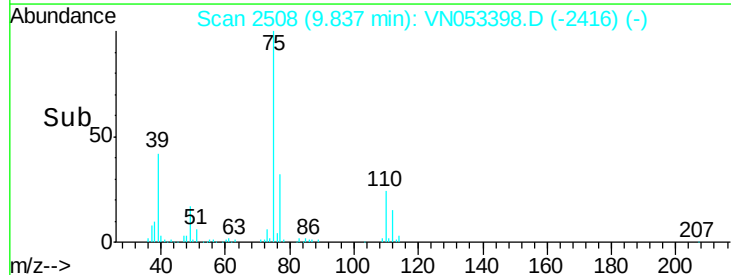
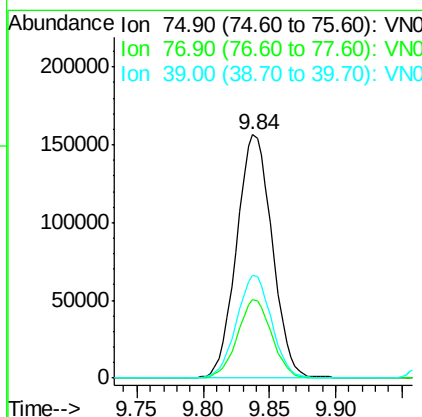
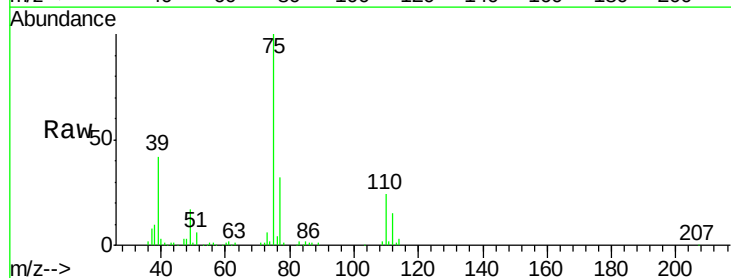
Manual Integrations
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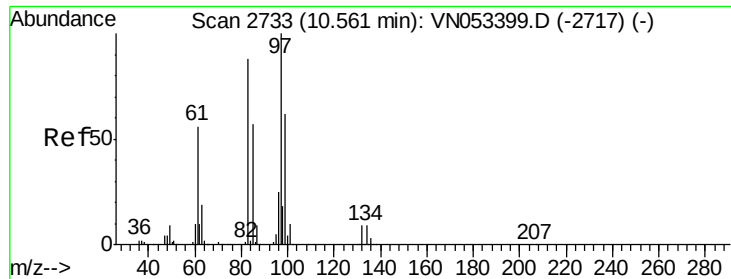
MMDadoda
1/16/2019 9:50:44 AM



#54
cis-1,3-Dichloropropene
Concen: 20.741 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7
39	42.1	33.1	49.7





#55

1,1,2-Trichloroethane

Concen: 20.777 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

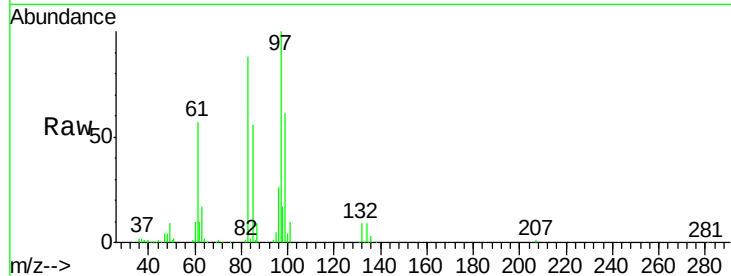
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	164671
Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.1	103.7
85	56.2	44.2	66.4
99	61.1	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:50:44 AM

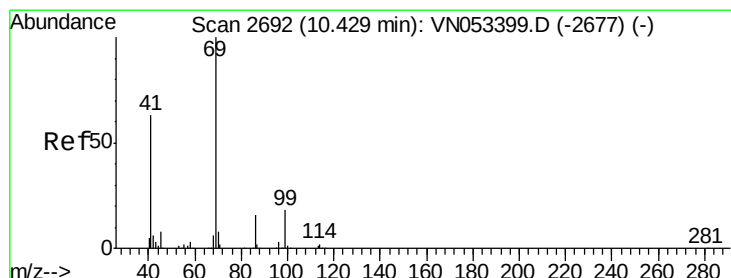
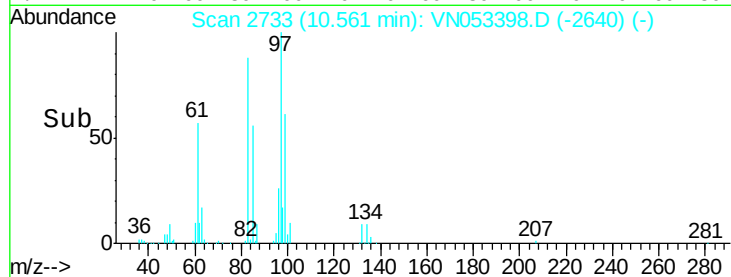
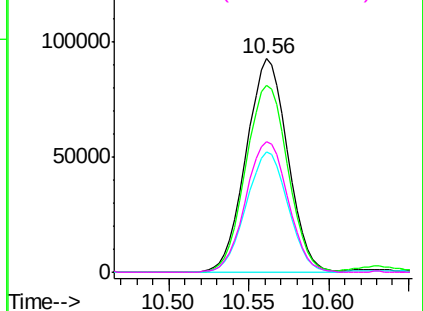


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.582 ug/l

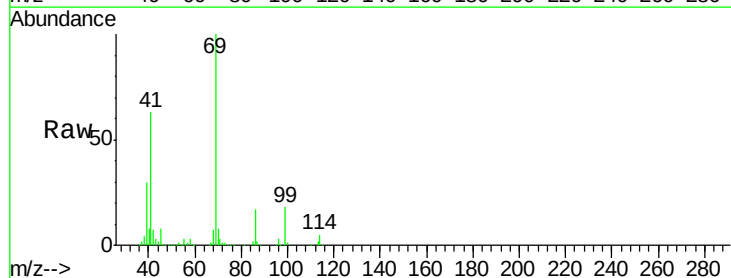
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

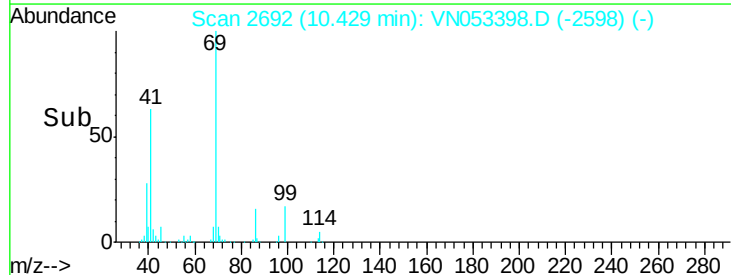
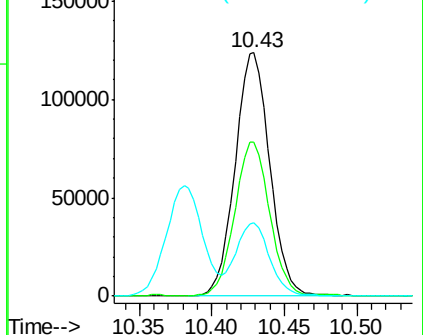
Tgt Ion:	69	Resp:	205573
Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.2	73.8
39	29.3	23.4	35.0

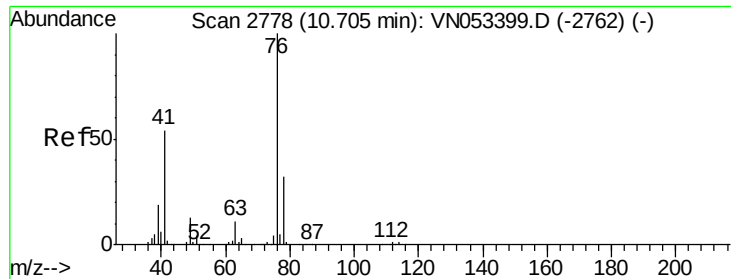


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





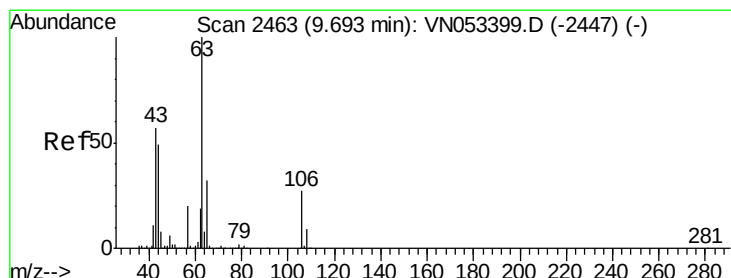
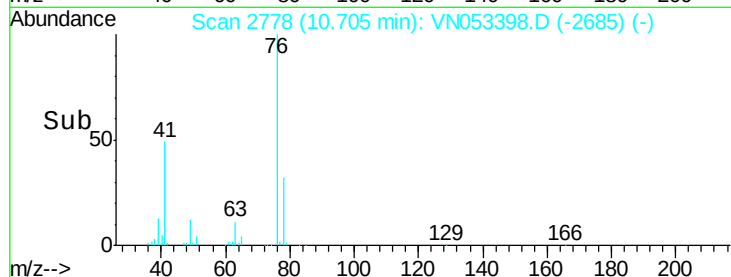
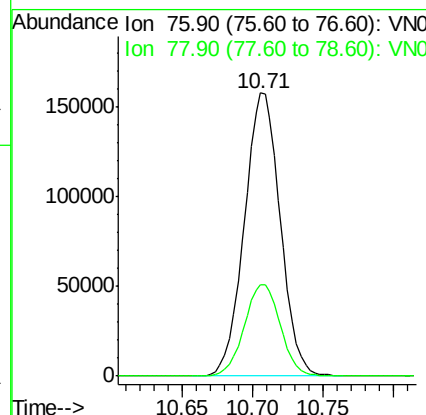
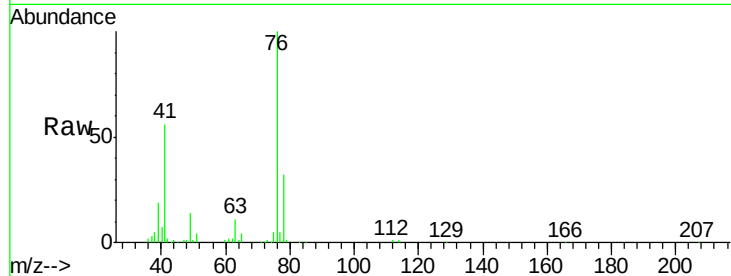
#57
 1,3-Dichloropropane
 Concen: 20.547 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

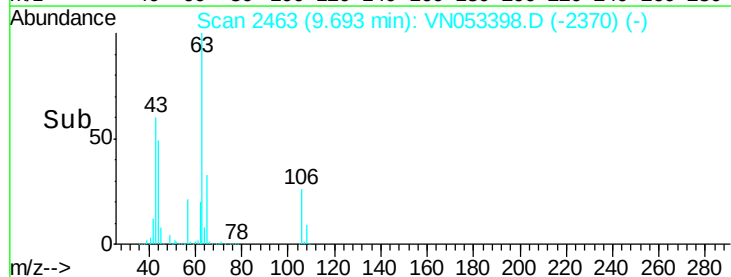
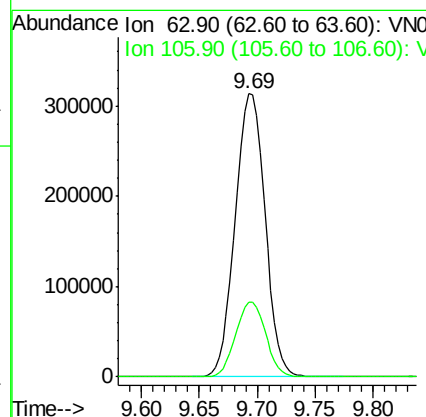
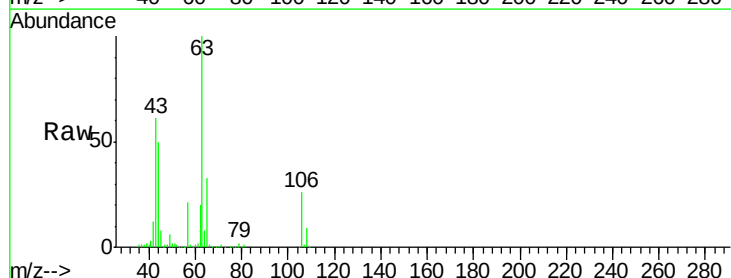
Manual Integrations
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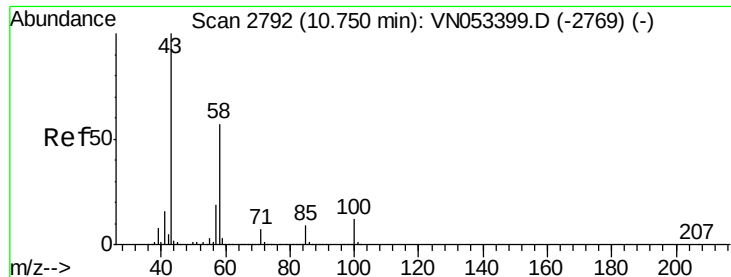
MMDadoda
 1/16/2019 9:50:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.007 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.7	32.5





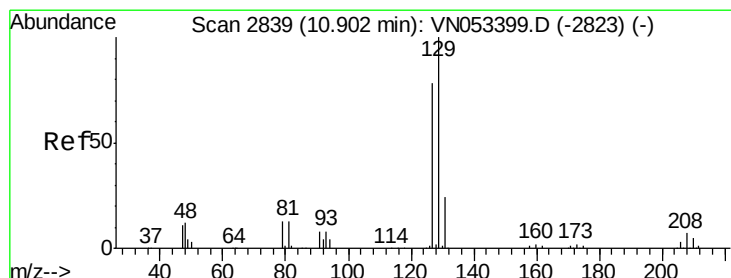
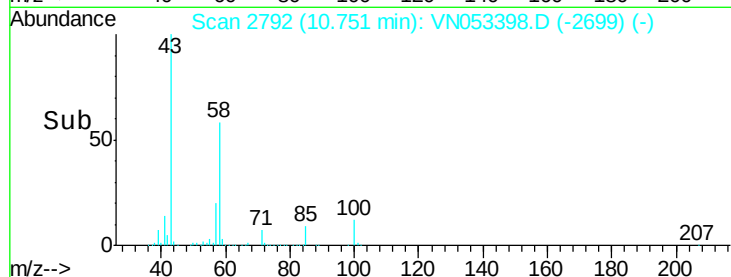
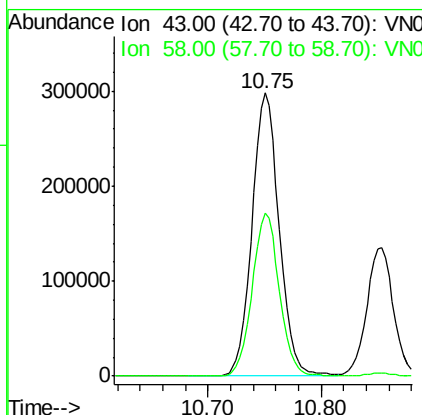
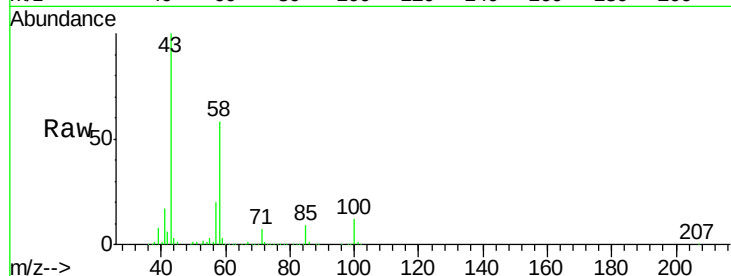
#59
2-Hexanone
Concen: 102.453 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	494937
Ion	Ratio	Lower	Upper
43	100		
58	57.5	28.3	85.0

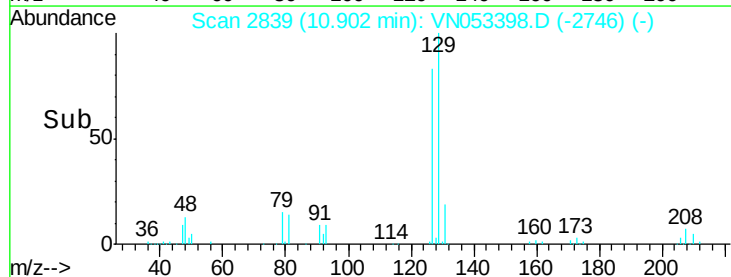
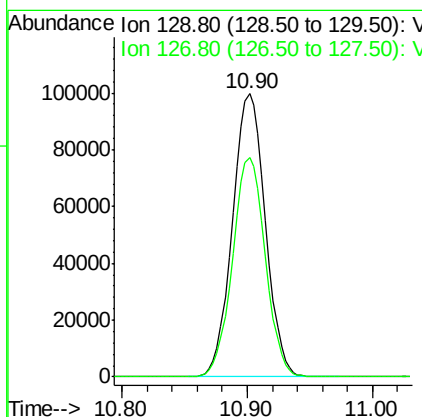
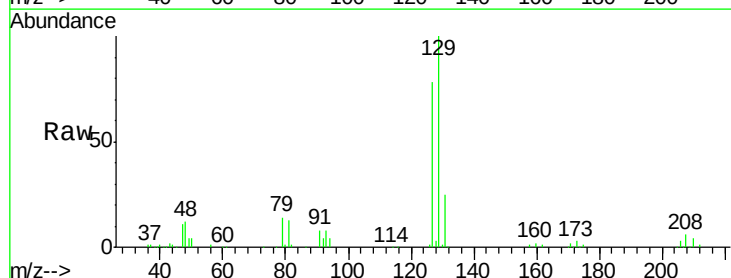
Manual Integrations
APPROVED

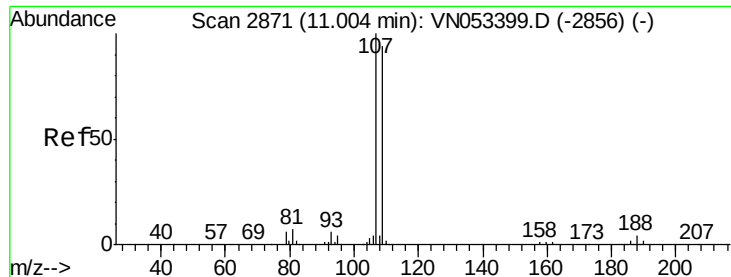
MMDadoda
1/16/2019 9:50:44 AM



#60
Dibromochloromethane
Concen: 20.197 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	129	Resp	181562
Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.4	115.2





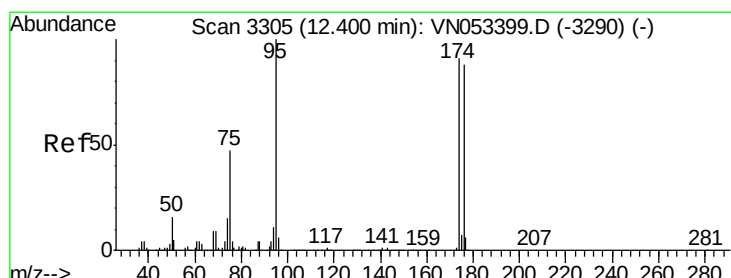
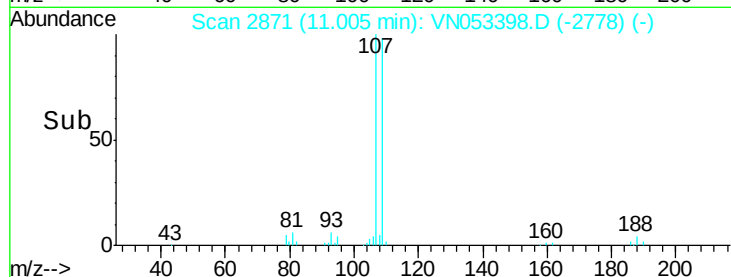
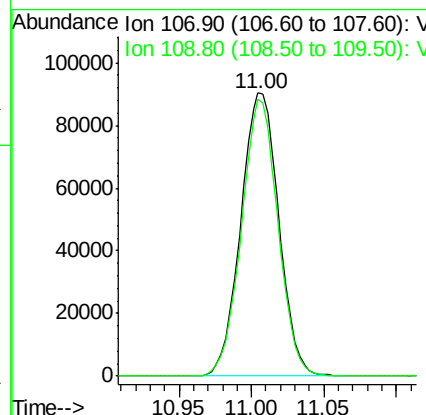
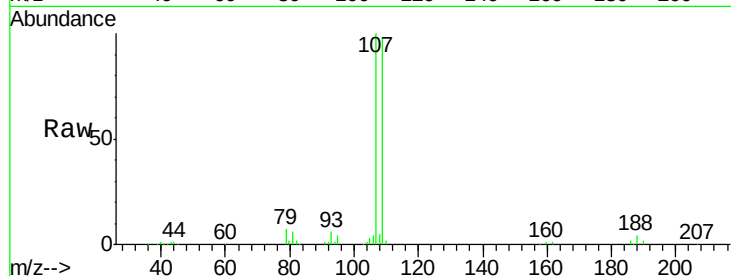
#61
 1,2-Dibromoethane
 Concen: 20.513 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.6

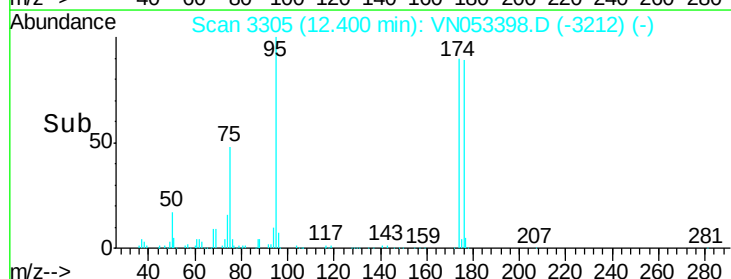
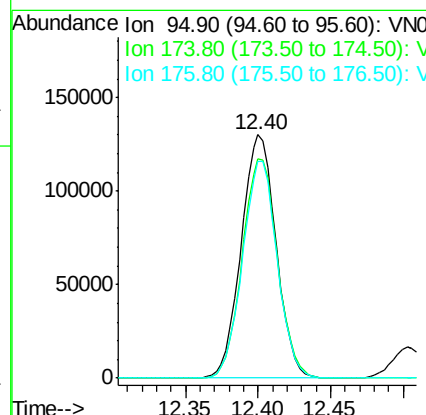
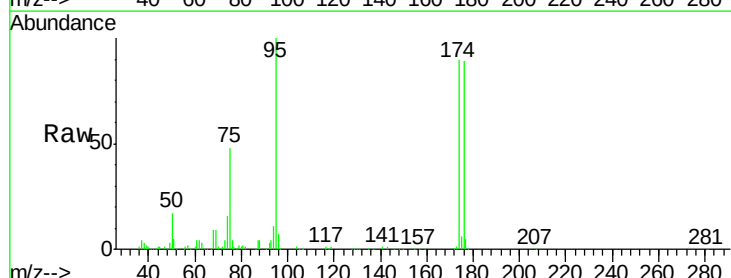
Manual Integrations
 APPROVED

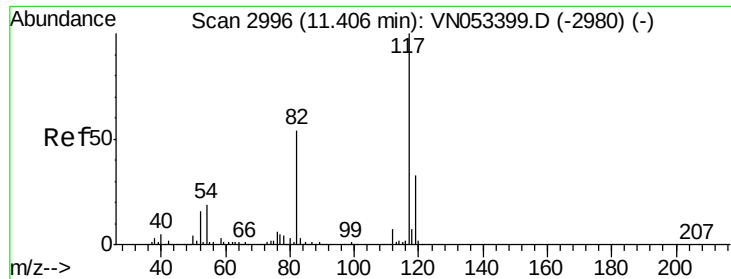
MMDadoda
 1/16/2019 9:50:44 AM



#62
 4-Bromofluorobenzene
 Concen: 20.513 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	180.4
176	88.8	0.0	175.6





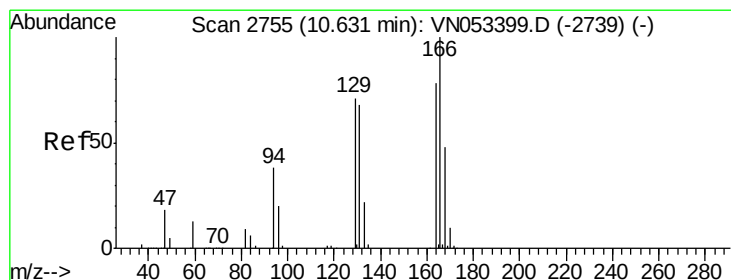
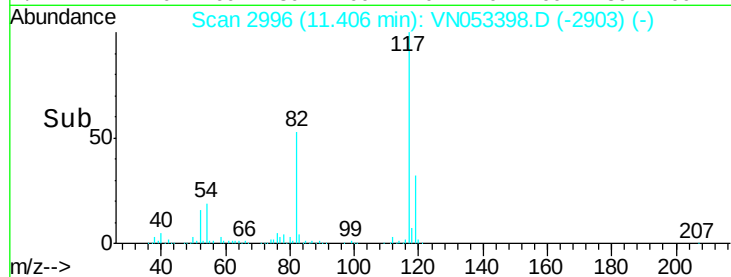
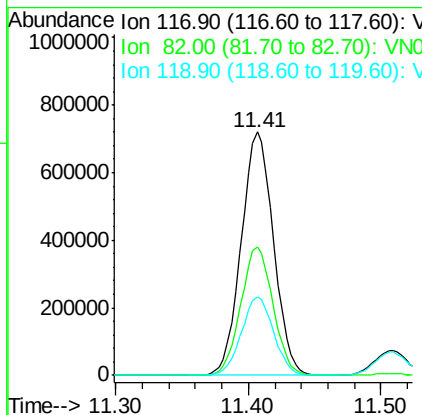
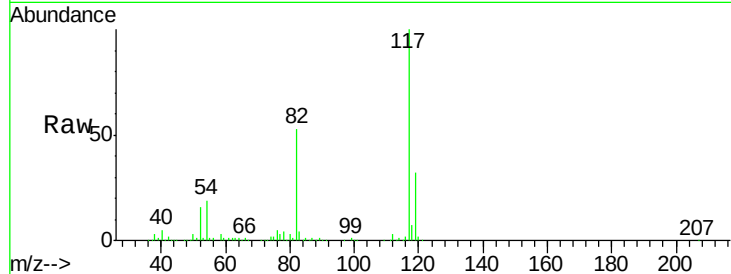
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.9	64.3
119	32.1	25.6	38.4

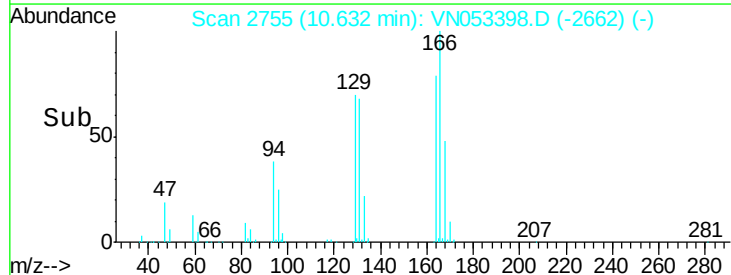
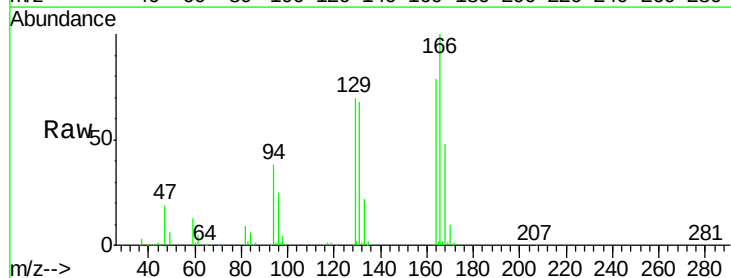
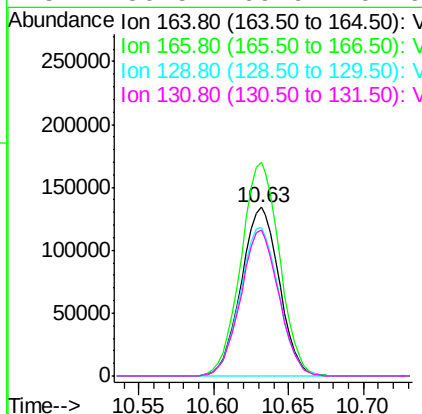
Manual Integrations
APPROVED

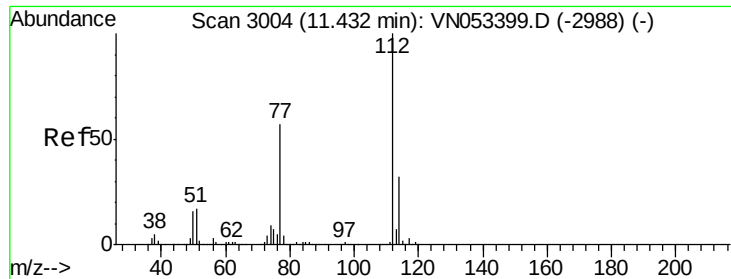
MMDadoda
1/16/2019 9:50:44 AM



#64
Tetrachloroethene
Concen: 20.758 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.7	152.5
129	88.4	72.1	108.1
131	86.5	69.9	104.9





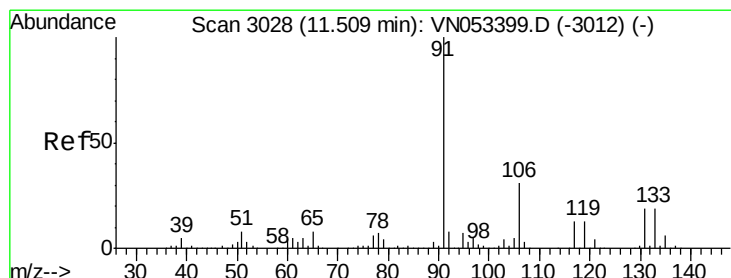
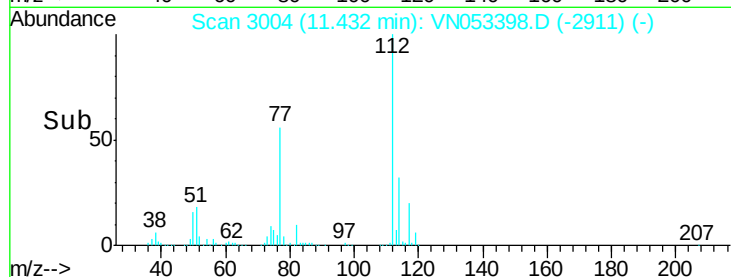
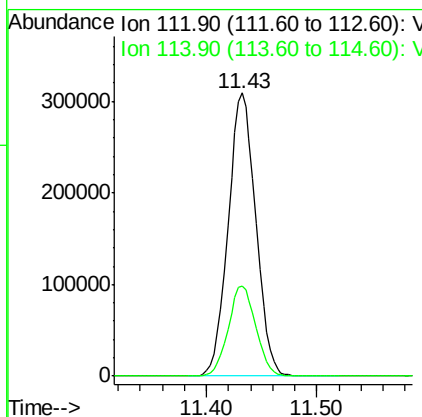
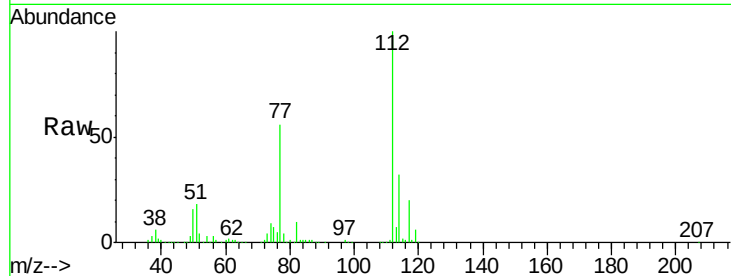
#65
Chlorobenzene
Concen: 20.779 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

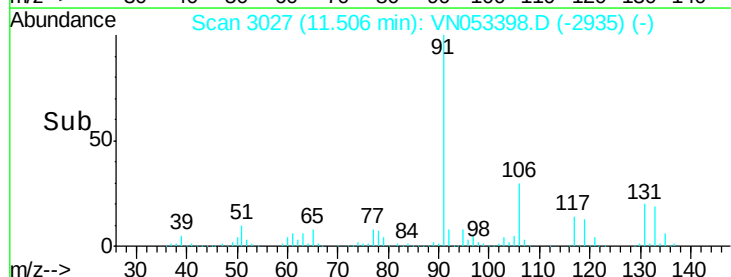
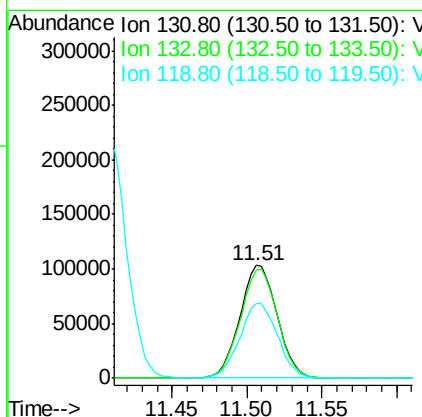
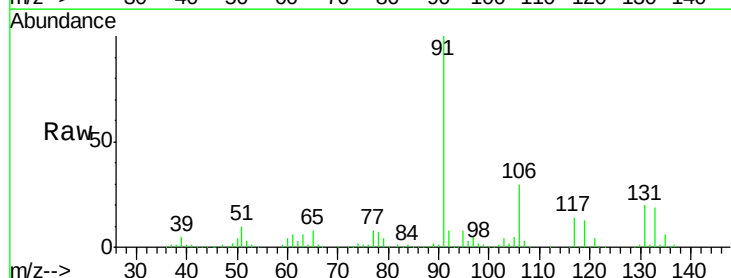
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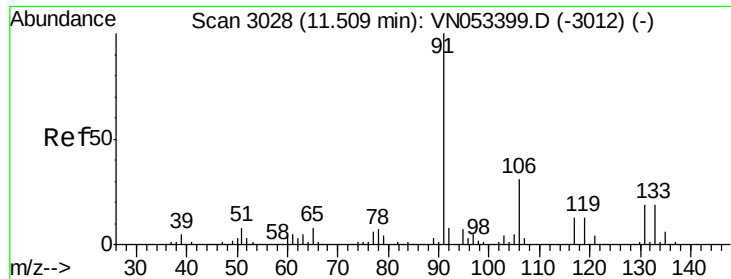
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1/16/2019 9:50:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.013 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.0	144.0
119	67.5	33.3	99.9





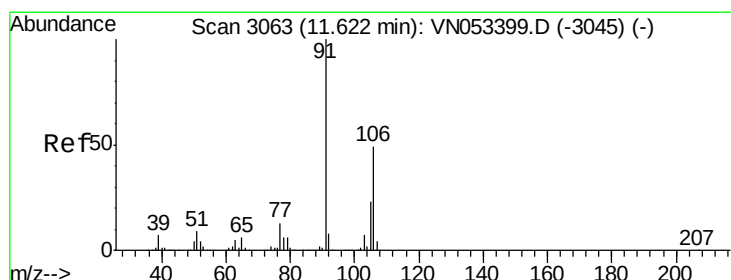
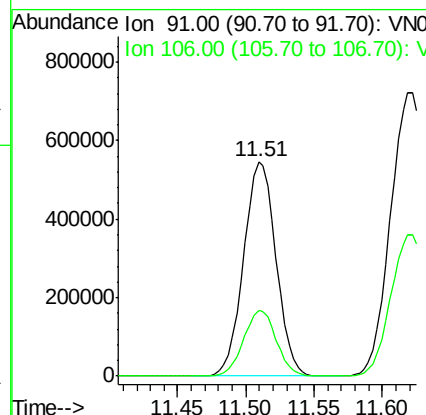
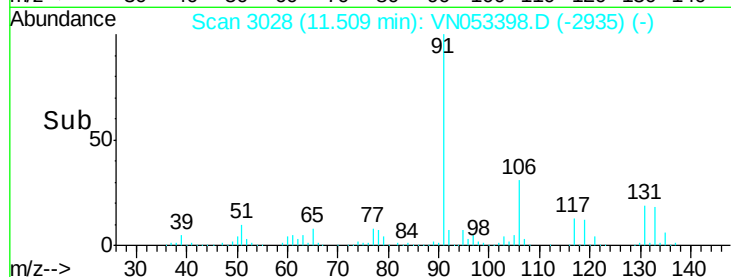
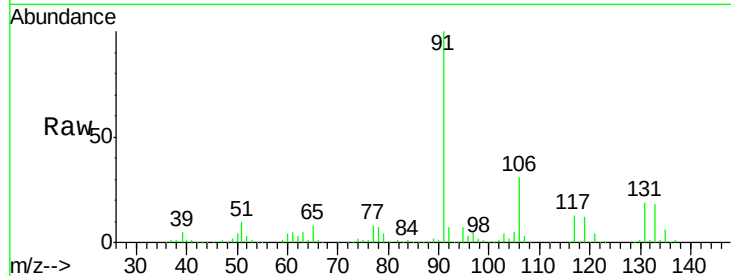
#67
Ethyl Benzene
Concen: 20.532 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 900207
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.4

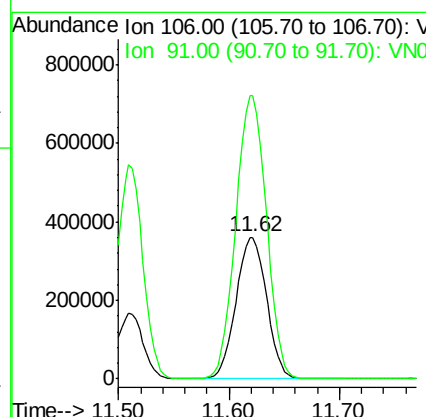
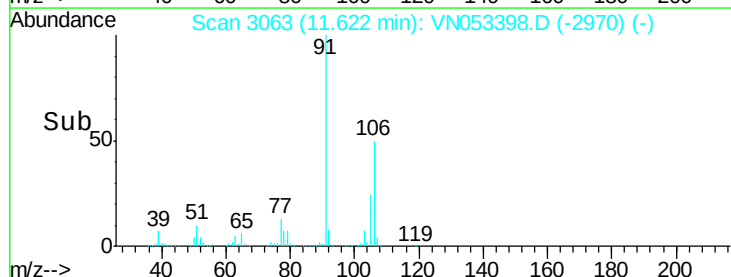
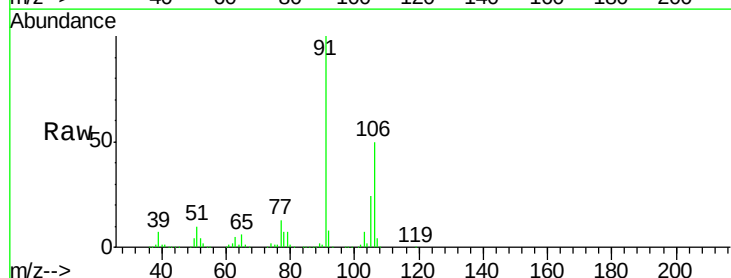
Manual Integrations
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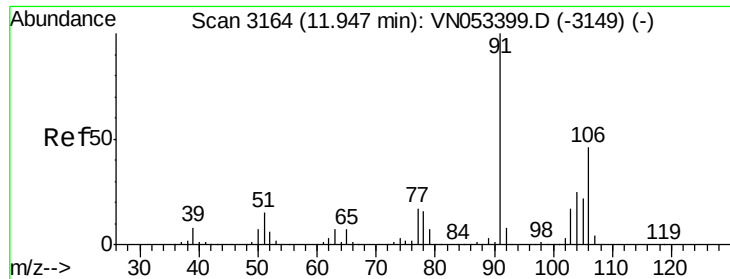
MMDadoda
1/16/2019 9:50:44 AM



#68
m/p-Xylenes
Concen: 41.754 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 106 Resp: 691163
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.2





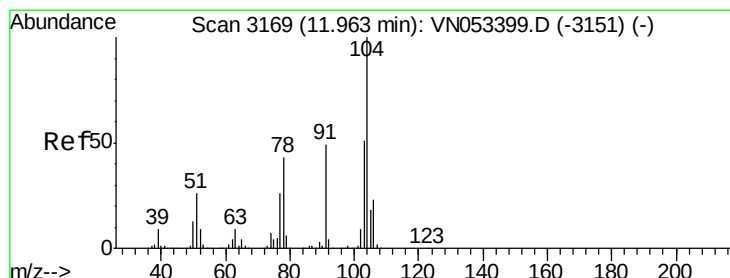
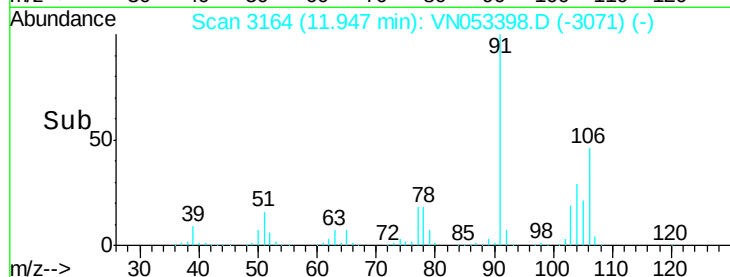
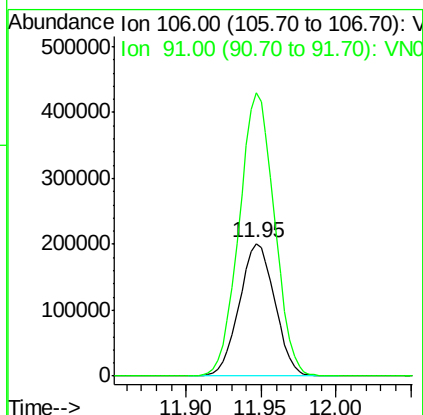
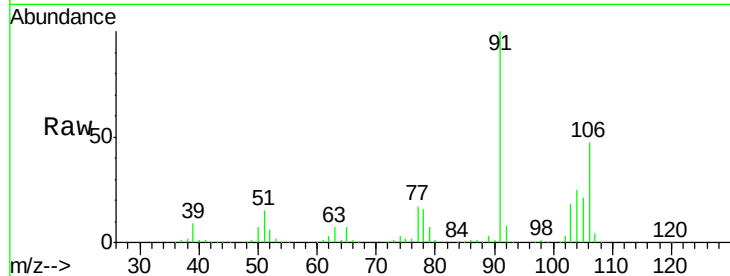
#69
o-Xylene
Concen: 20.699 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 332936
Ion Ratio Lower Upper
106 100
91 212.0 106.8 320.4

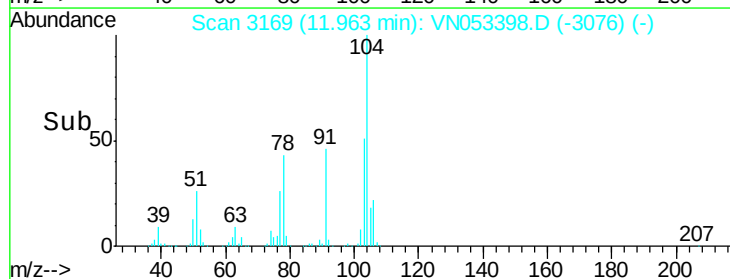
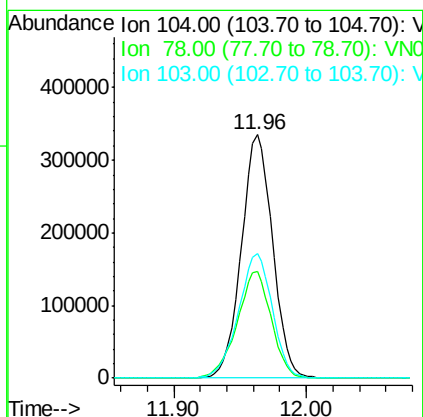
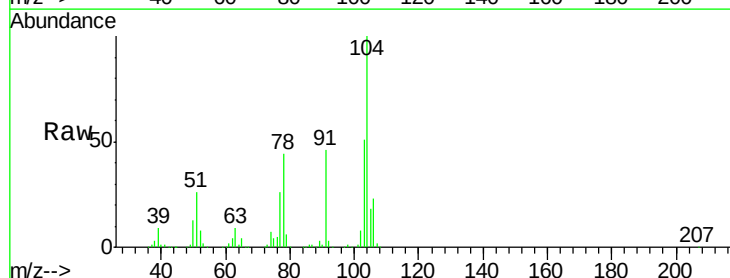
Manual Integrations
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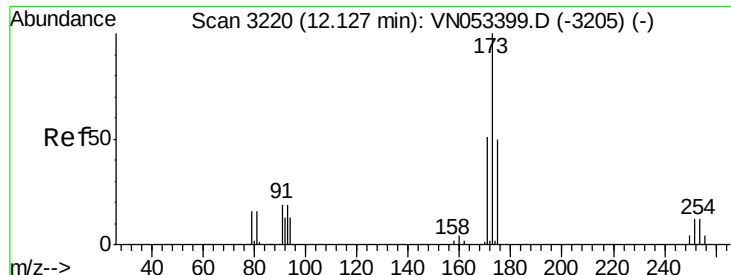
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#70
Styrene
Concen: 21.009 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion:104 Resp: 548455
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 55.6 44.5 66.7





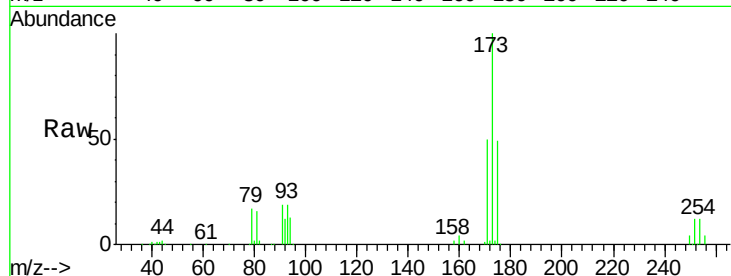
#71
Bromoform
Concen: 20.118 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

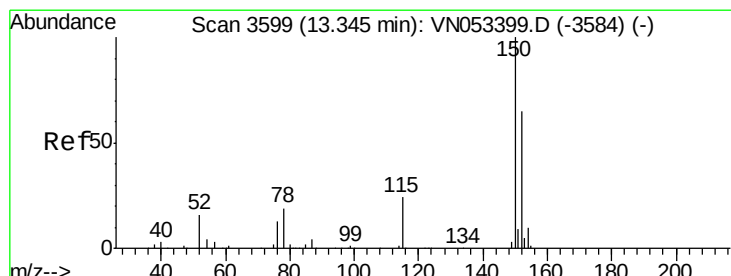
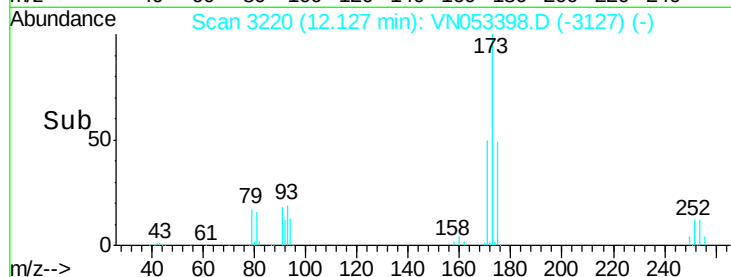
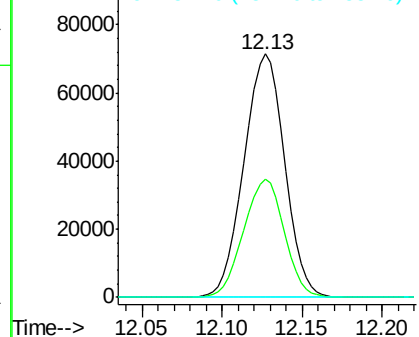
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.2	0.2

Manual Integrations
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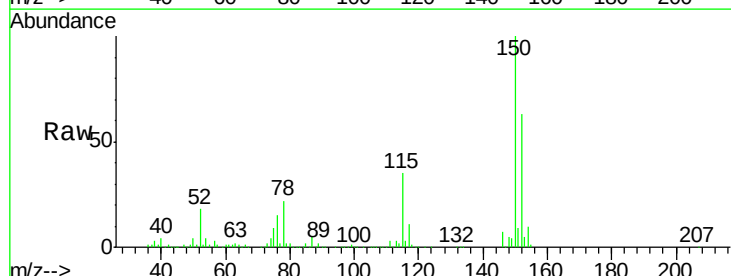


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

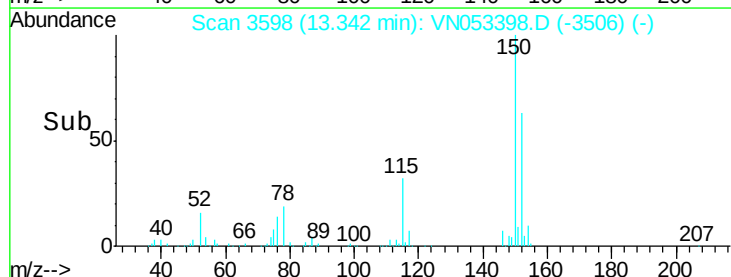
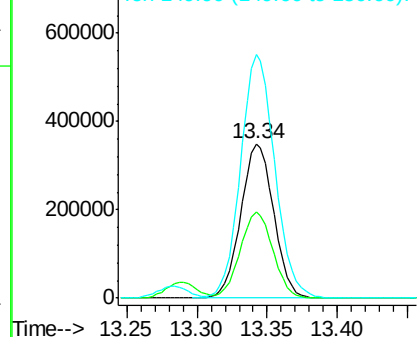


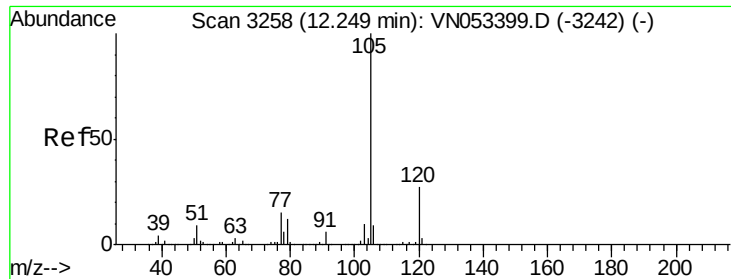
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.0	84.0
150	164.3	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





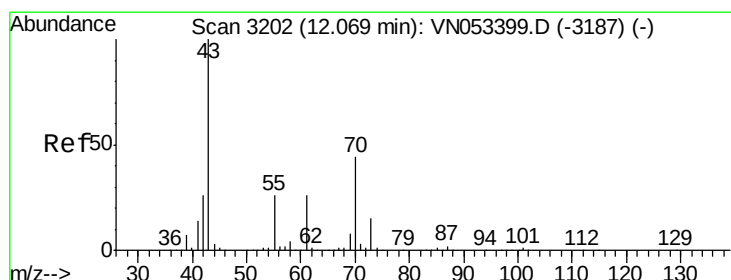
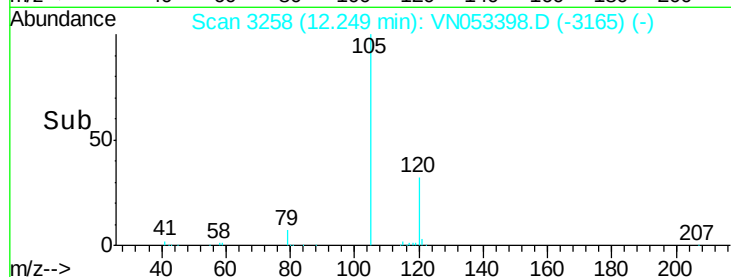
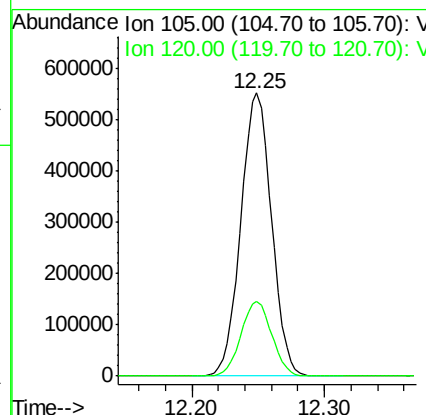
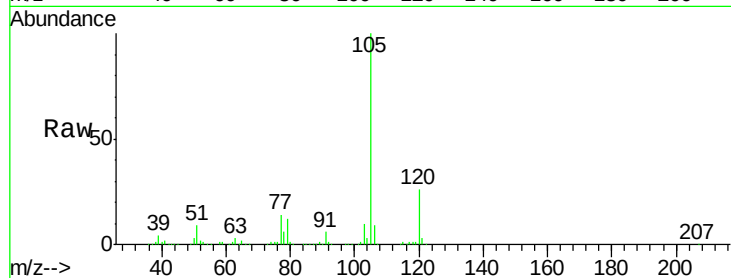
#73
Isopropylbenzene
Concen: 21.221 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.4	40.2

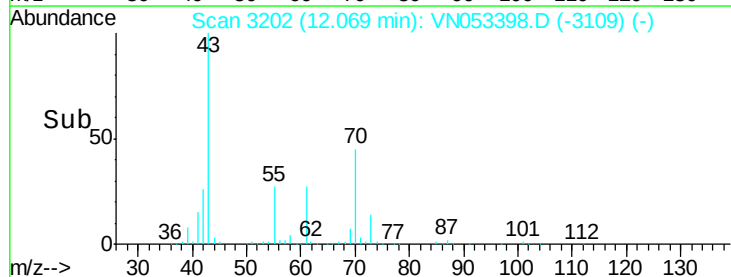
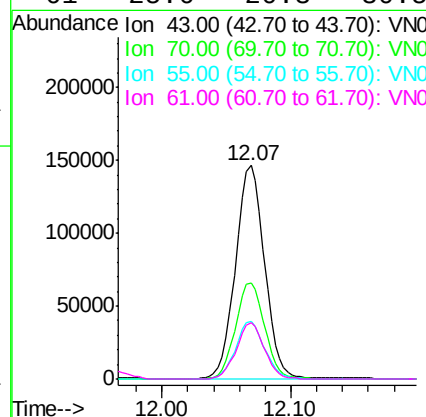
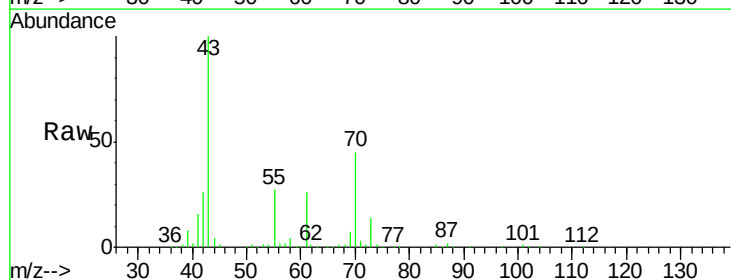
Manual Integrations
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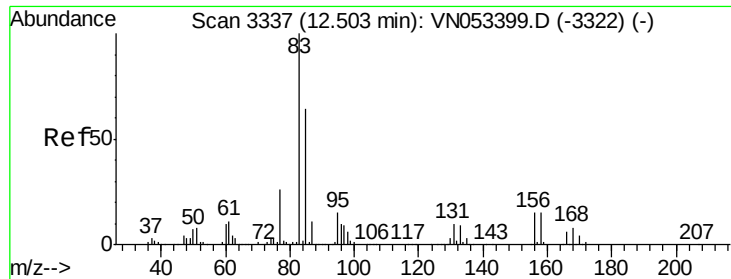
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#74
N-ethyl acetate
Concen: 20.490 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.3	35.0	52.6
55	27.0	20.0	30.0
61	25.6	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.881 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

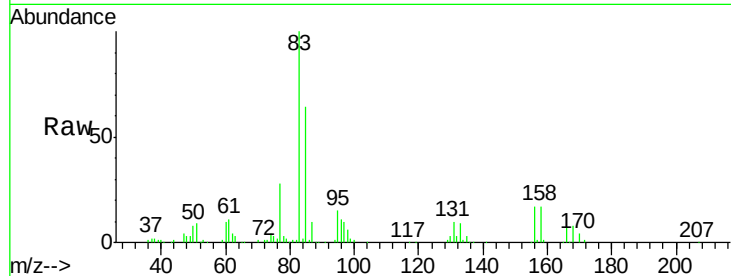
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	182865
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	63.7	32.3	96.8

Manual Integrations
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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) (-)

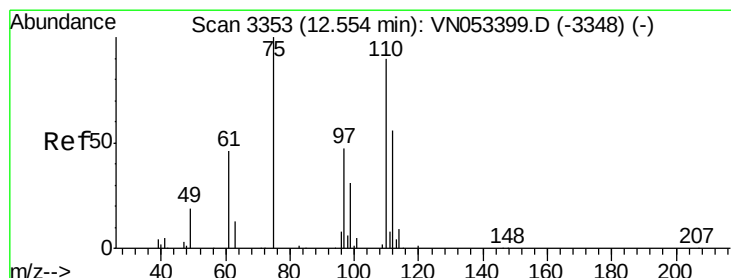
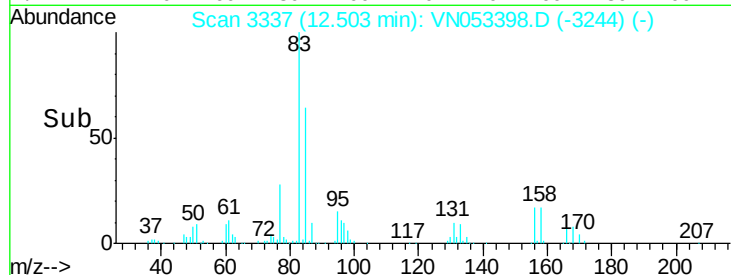
12.50

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.037 ug/l m

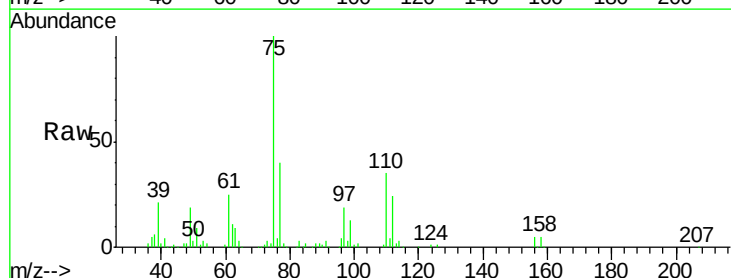
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Tgt Ion:	75	Resp:	158203
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) (-)

12.55

200000

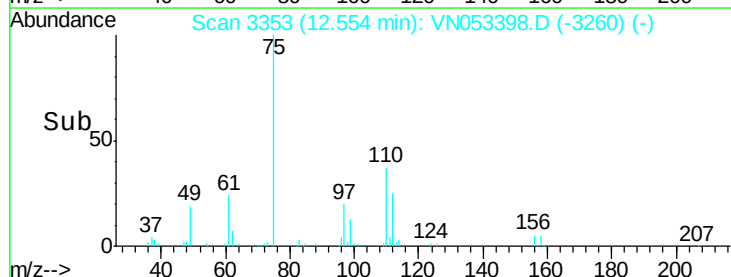
150000

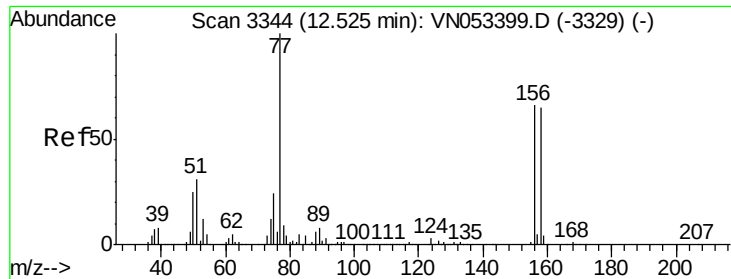
100000

50000

0

Time-->





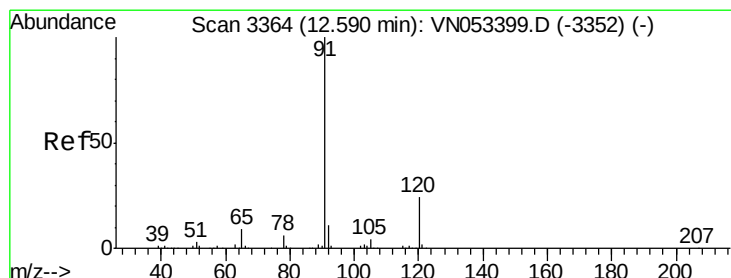
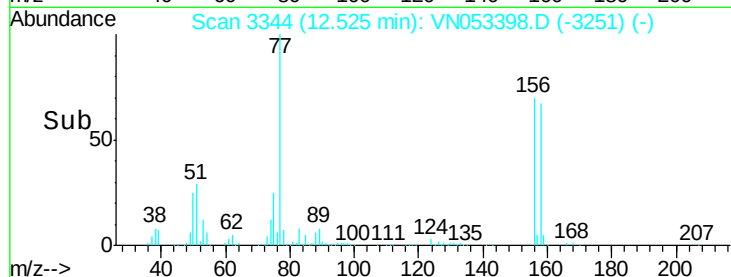
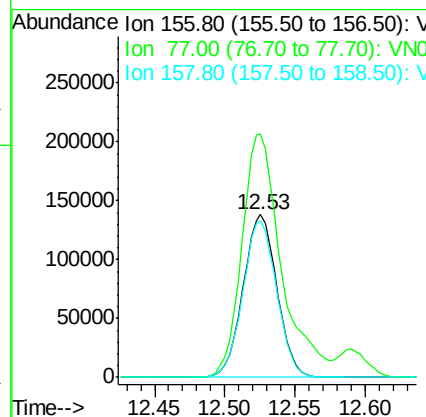
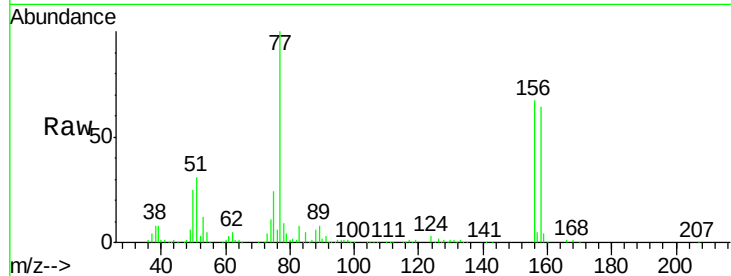
#77
Bromobenzene
Concen: 21.077 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.4	89.3	268.1
158	96.5	48.9	146.8

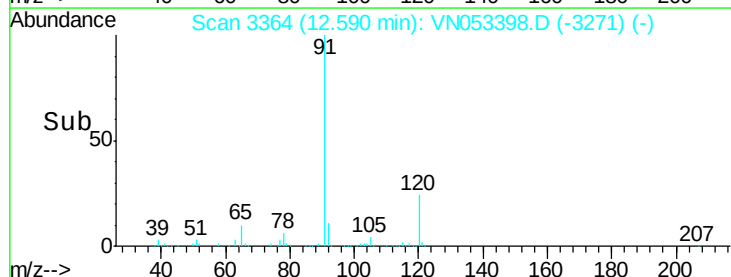
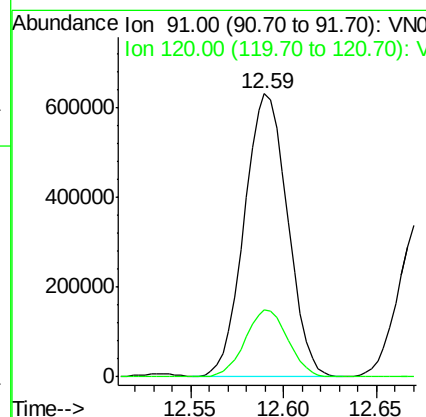
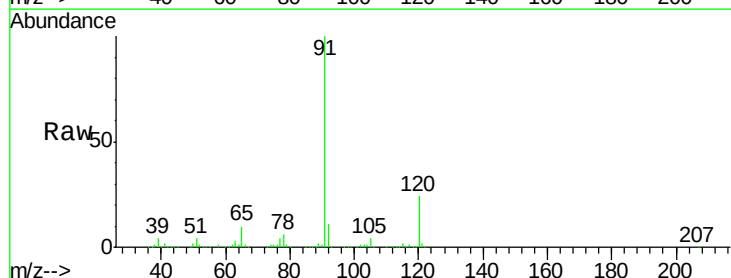
Manual Integrations
APPROVED

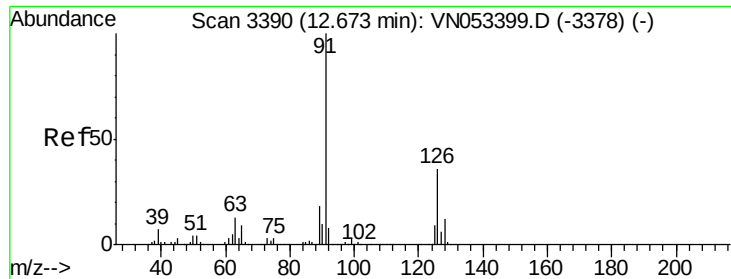
MMDadoda
1/16/2019 9:50:44 AM



#78
n-propylbenzene
Concen: 21.262 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5





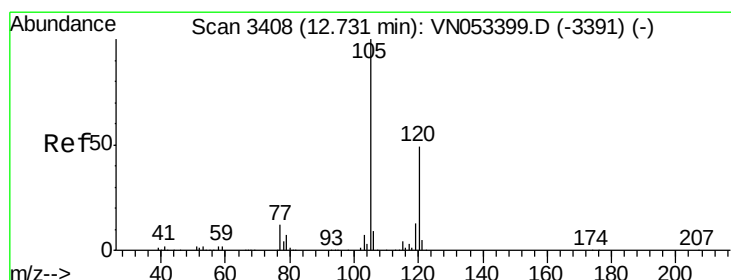
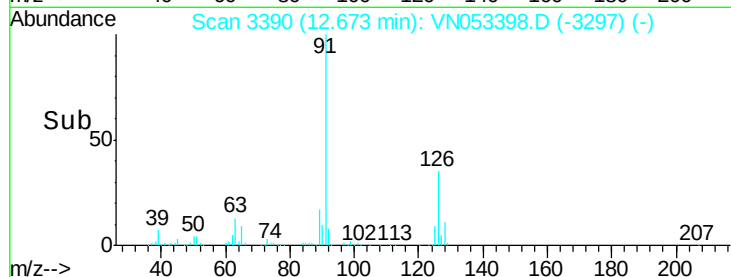
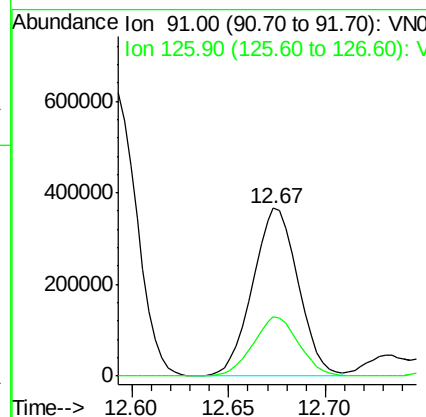
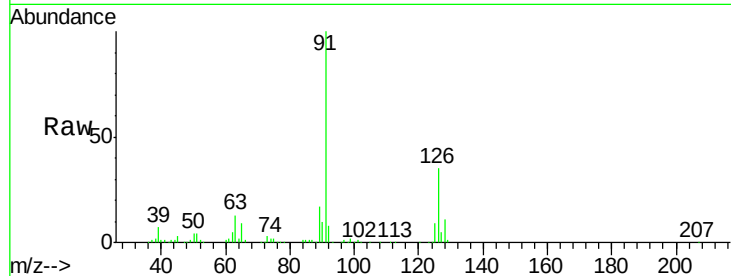
#79
 2-Chlorotoluene
 Concen: 21.059 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 598297
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.5 52.5

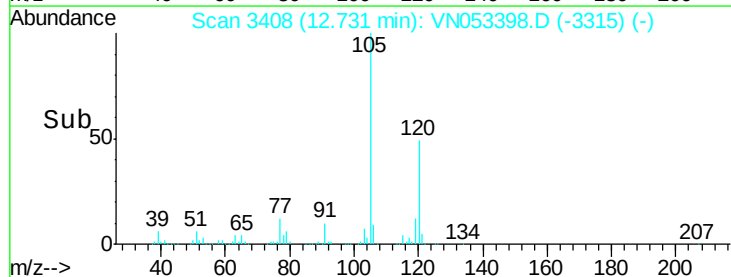
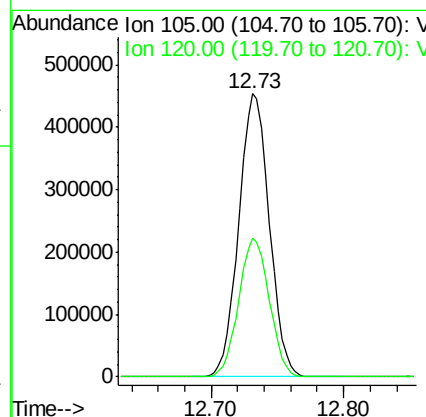
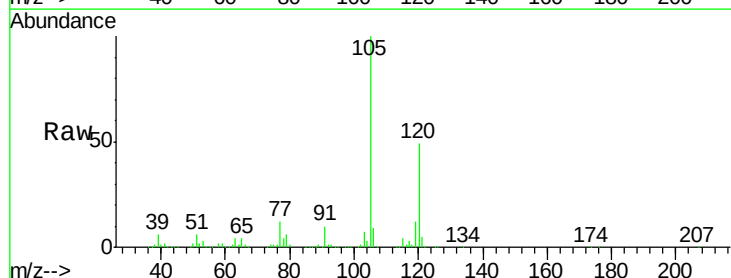
Manual Integrations
 APPROVED

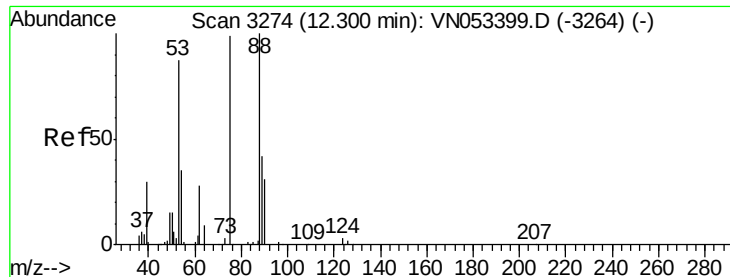
MMDadoda
 1/16/2019 9:50:44 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.258 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion: 105 Resp: 722189
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.7 74.1





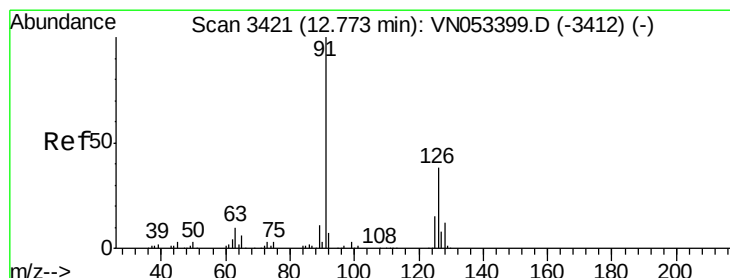
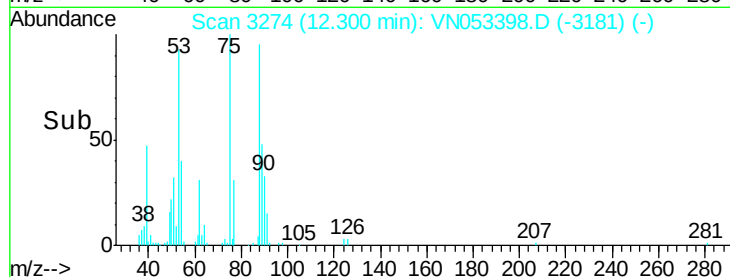
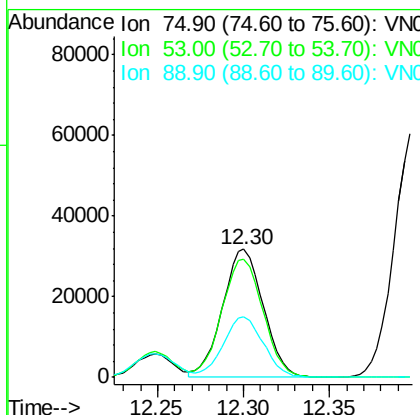
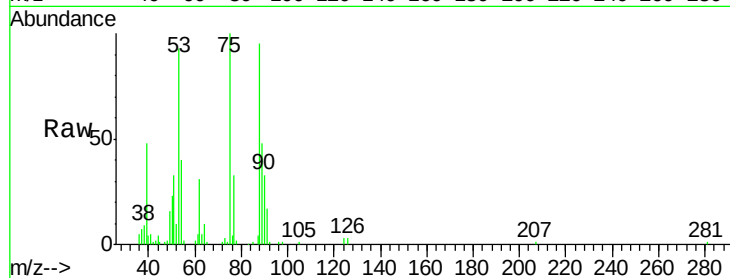
#81
trans-1,4-Dichloro-2-butene
Concen: 19.401 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	70.5	105.7
89	46.6	35.4	53.0

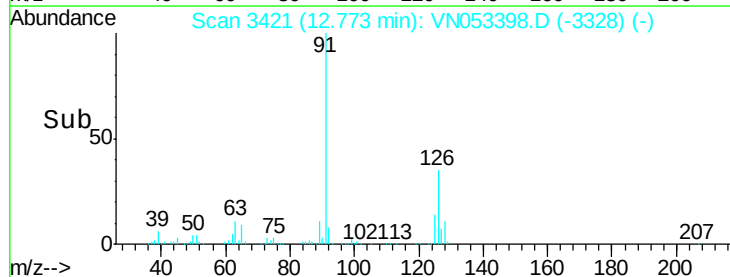
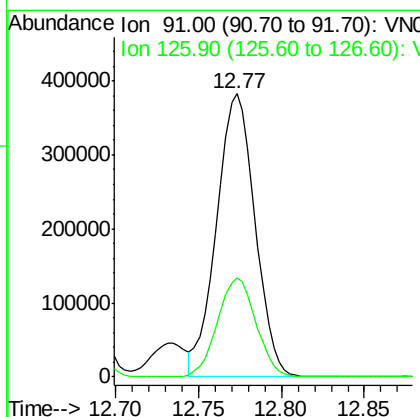
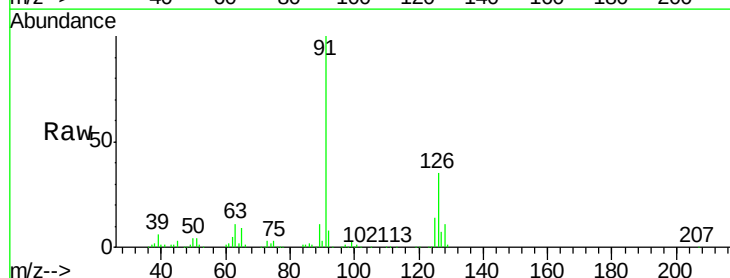
Manual Integrations
APPROVED

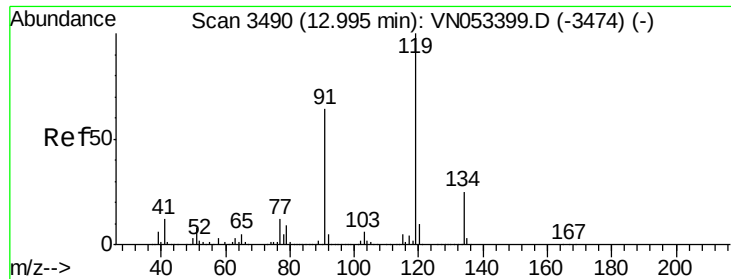
MMDadoda
1/16/2019 9:50:44 AM



#82
4-Chlorotoluene
Concen: 21.216 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.2





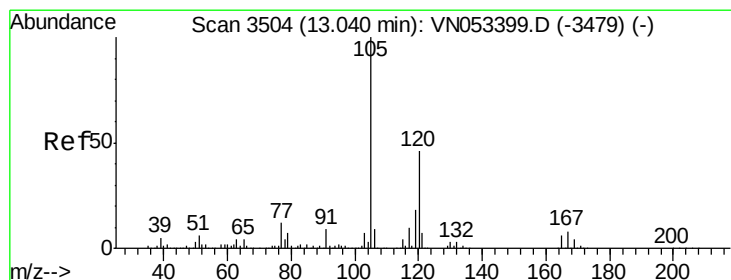
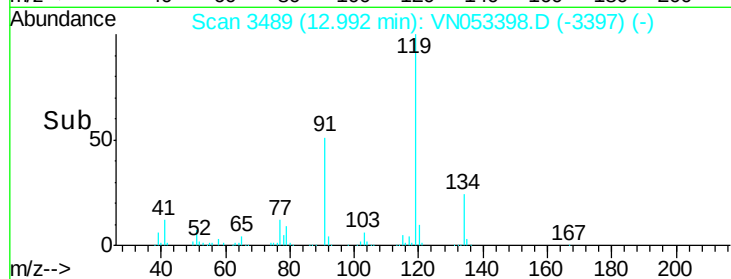
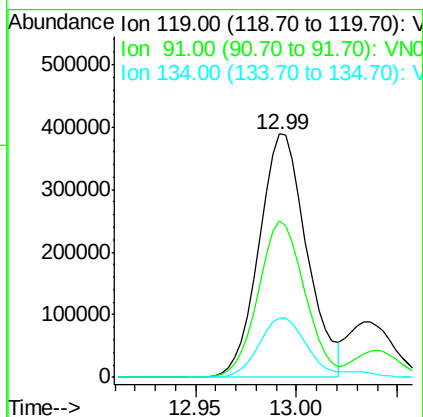
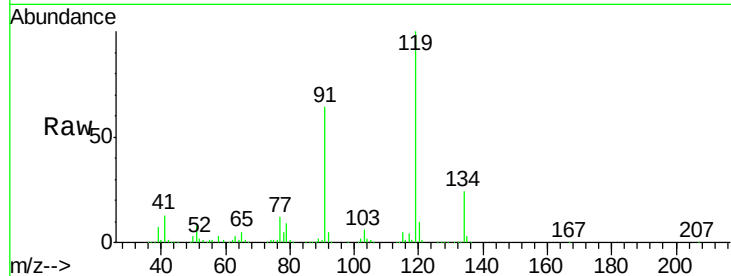
#83
 tert-Butylbenzene
 Concen: 21.389 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.6	95.0
134	24.4	12.9	38.6

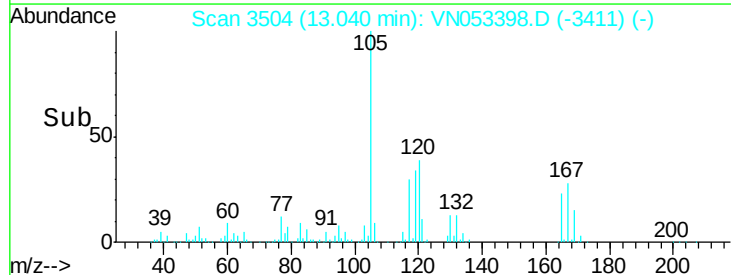
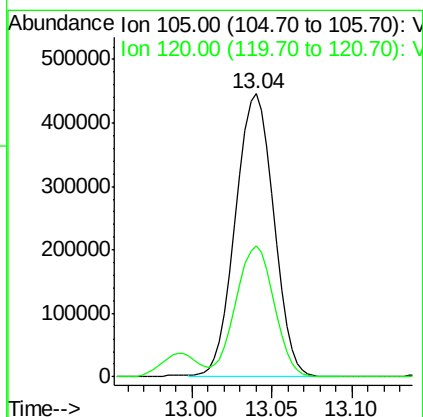
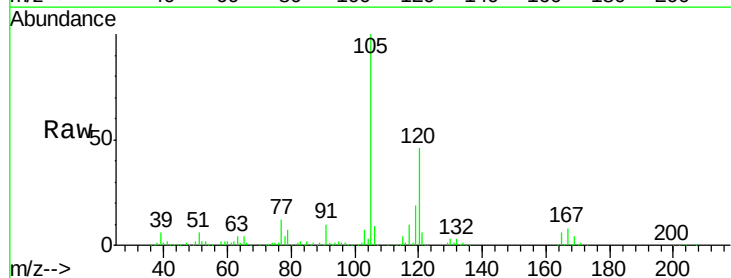
Manual Integrations
 APPROVED

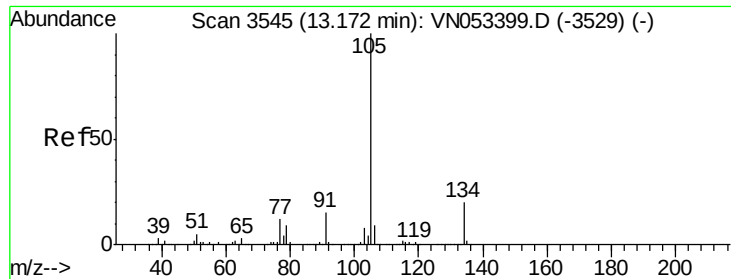
MMDadoda
 1/16/2019 9:50:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.270 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 21.057 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 866536

Ion Ratio Lower Upper

105 100

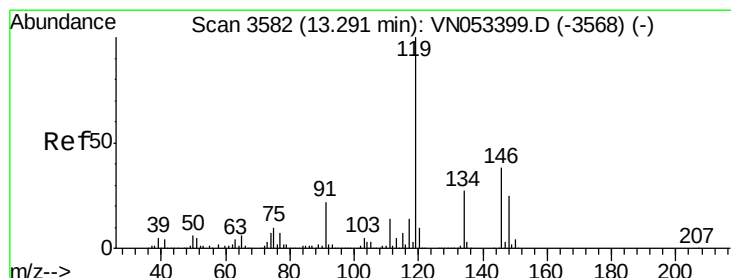
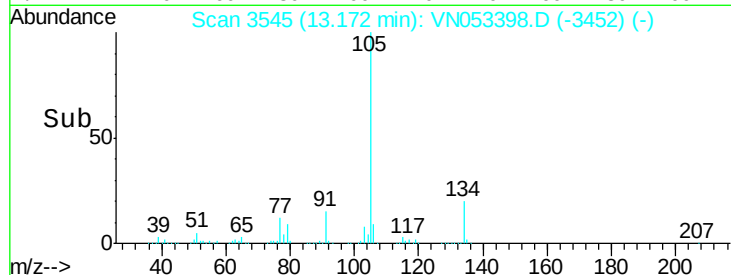
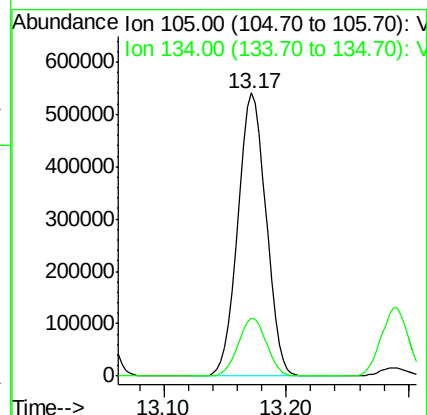
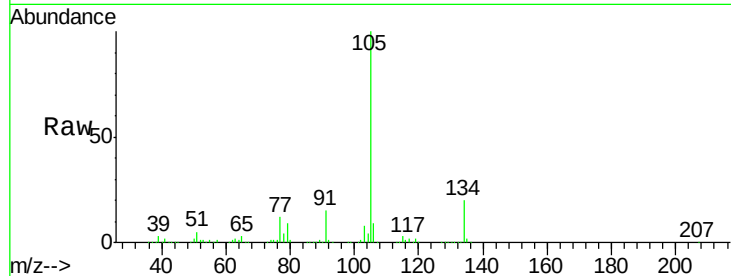
134 20.5 10.2 30.6

Manual Integrations

APPROVED

MMDadoda

1/16/2019 9:50:44 AM



#86

p-Isopropyltoluene

Concen: 21.185 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

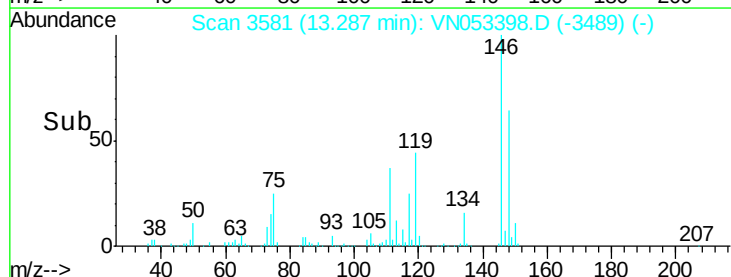
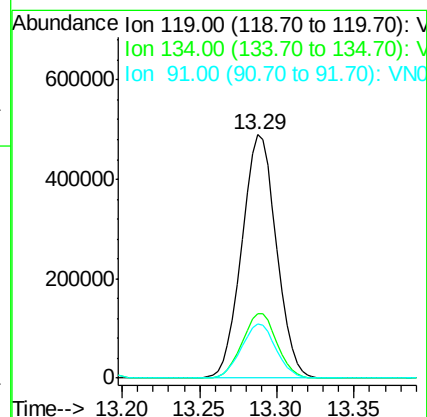
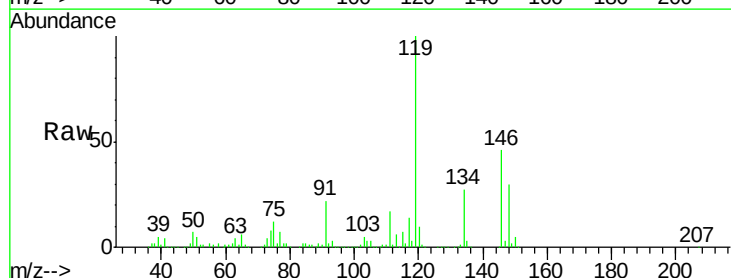
Tgt Ion:119 Resp: 756974

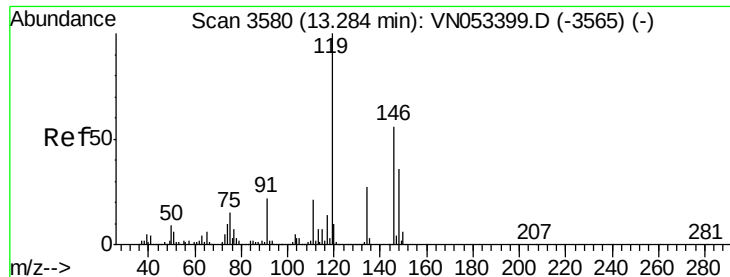
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.2 11.1 33.1





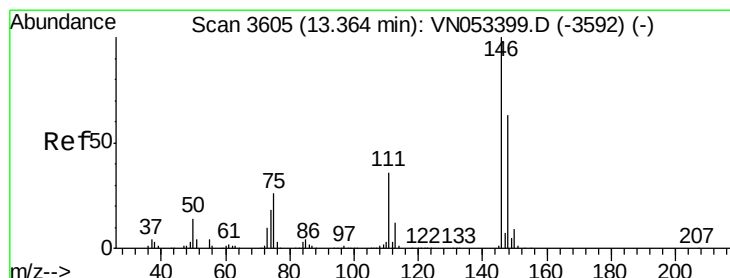
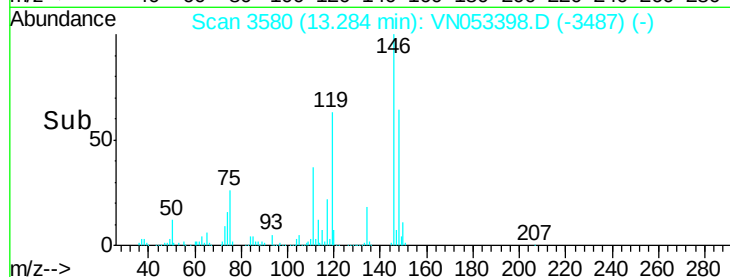
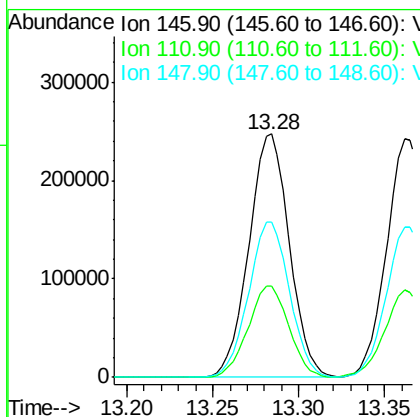
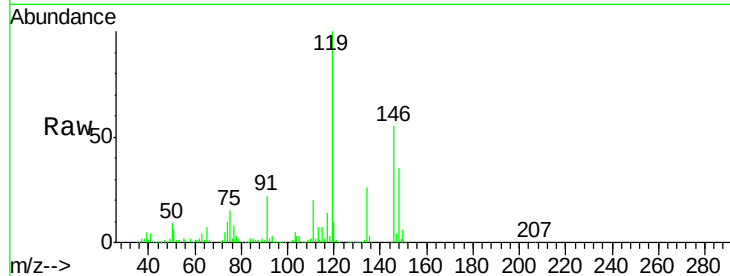
#87
 1,3-Dichlorobenzene
 Concen: 20.795 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	64.7	32.0	96.2

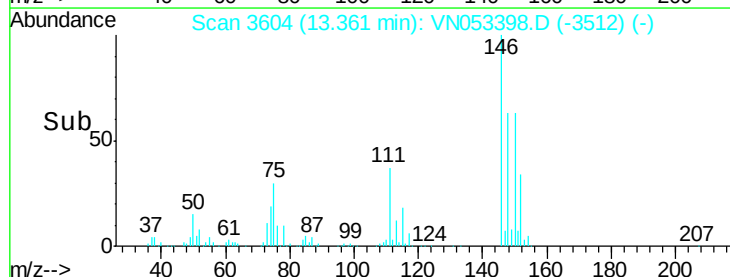
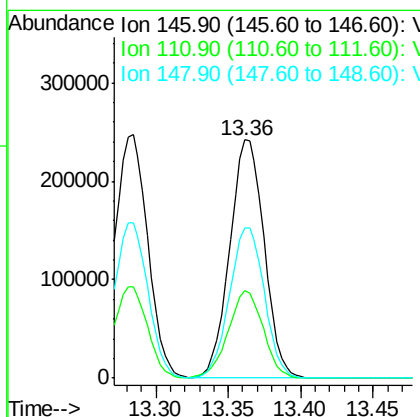
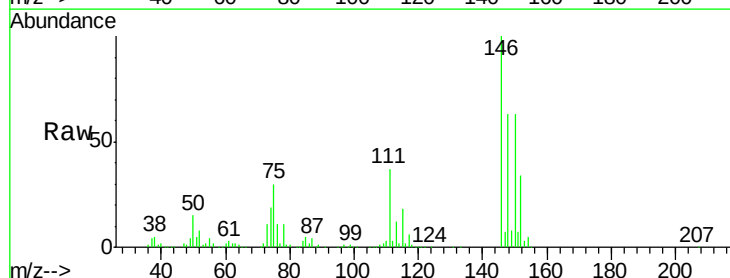
Manual Integrations
 APPROVED

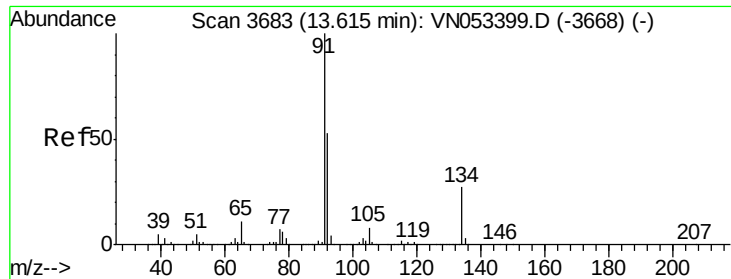
MMDadoda
 1/16/2019 9:50:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.508 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.0	32.0	96.0





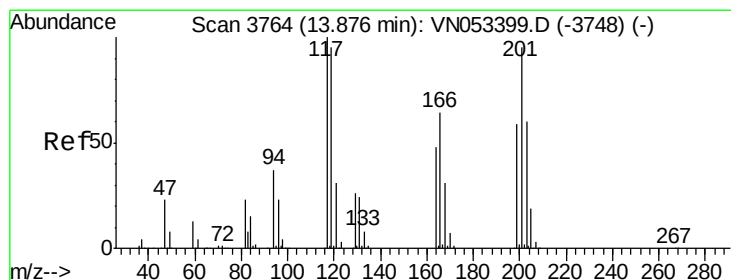
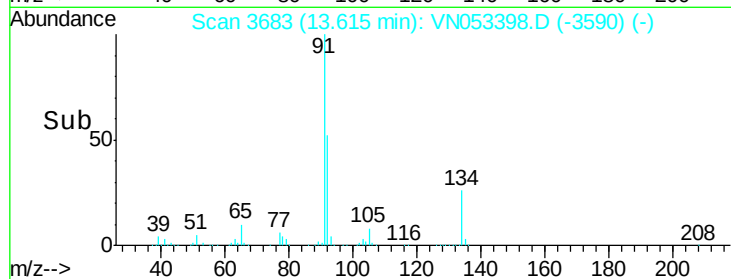
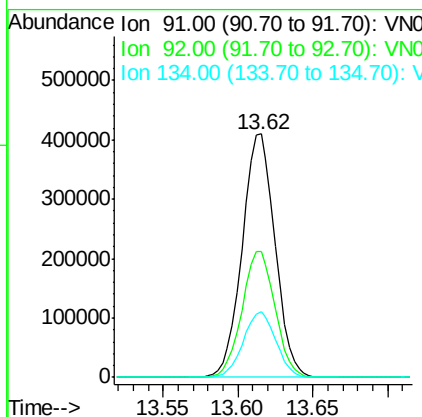
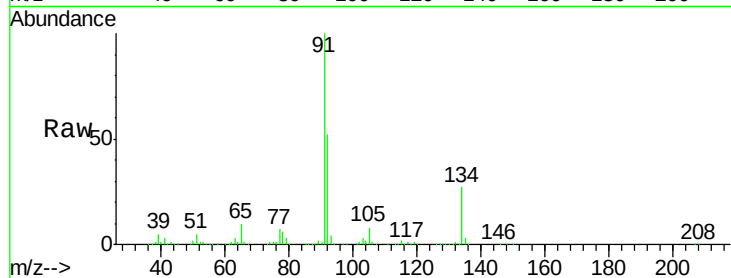
#89
n-Butylbenzene
Concen: 20.552 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	26.8	13.5	40.5

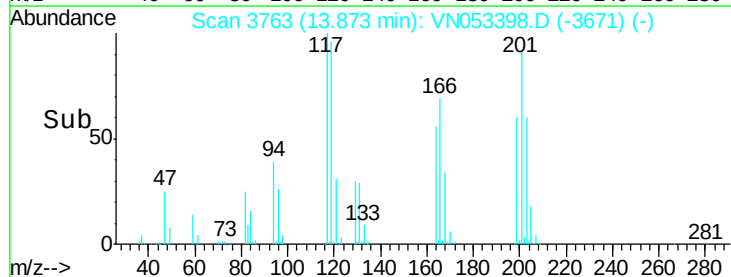
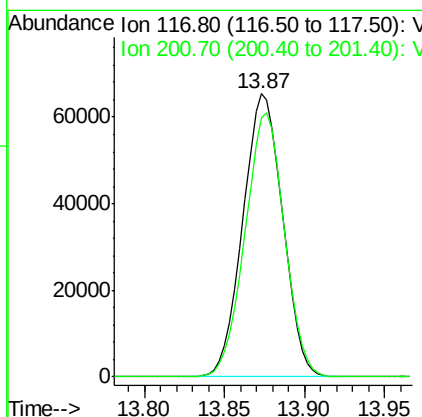
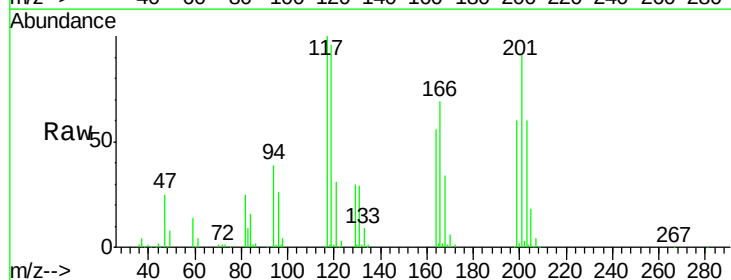
Manual Integrations
APPROVED

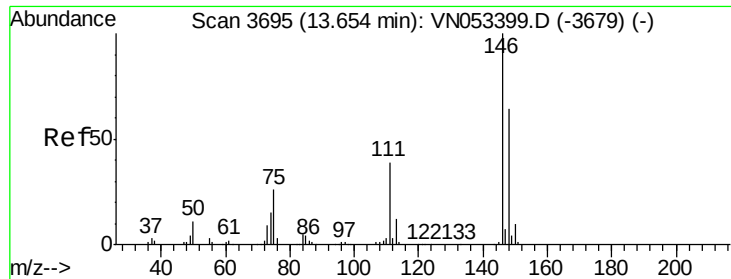
MMDadoda
1/16/2019 9:50:44 AM



#90
Hexachloroethane
Concen: 19.857 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	46.1	138.3





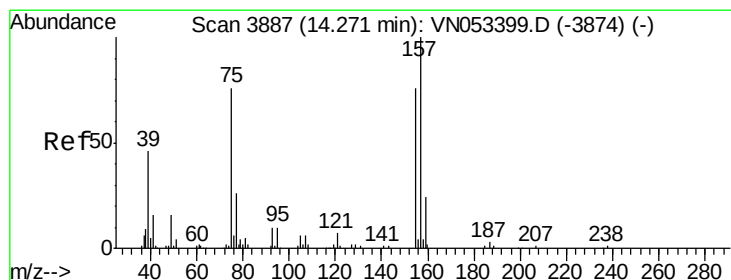
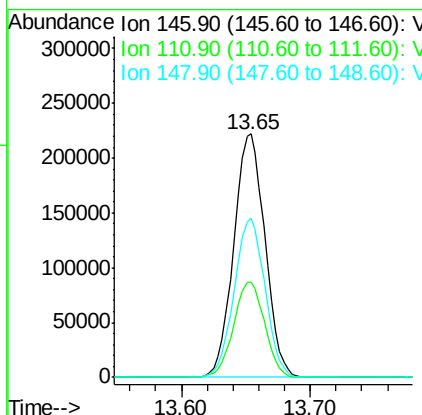
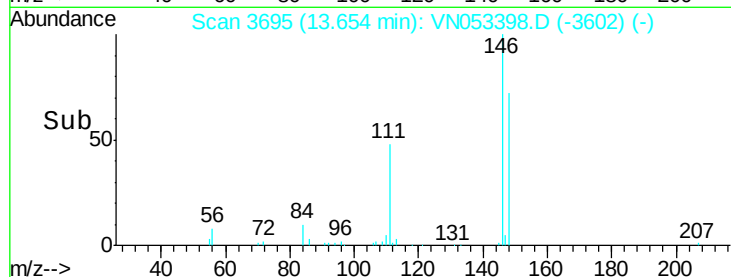
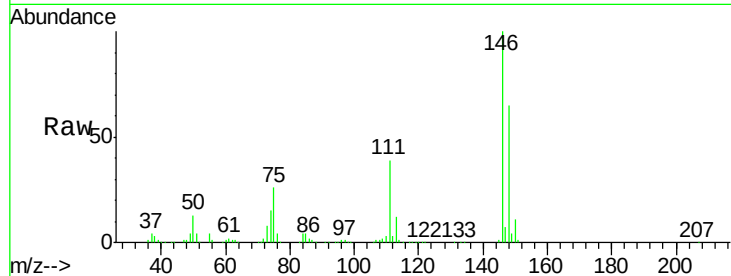
#91
 1,2-Dichlorobenzene
 Concen: 20.999 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.4	32.2	96.6

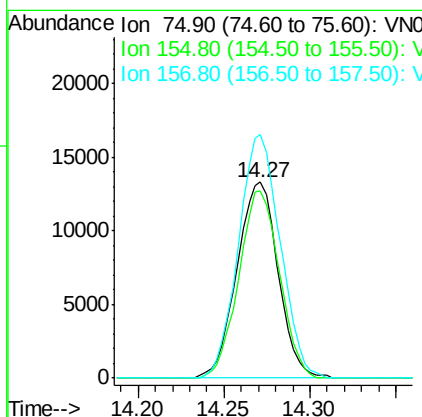
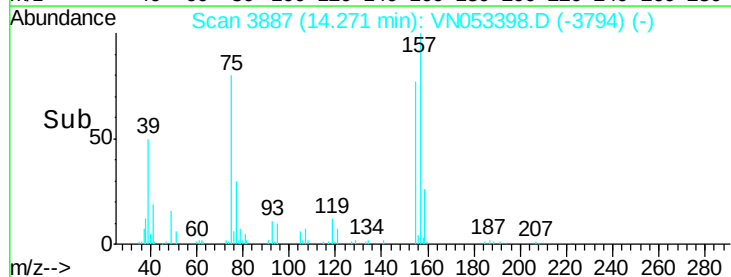
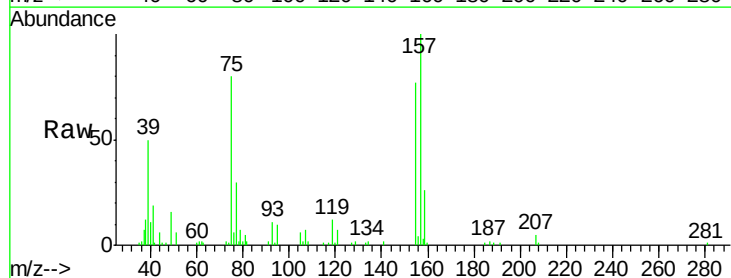
Manual Integrations
 APPROVED

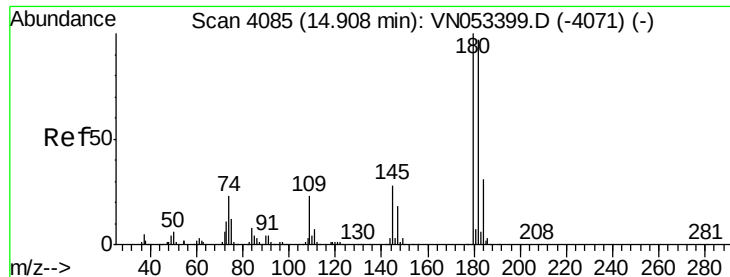
MMDadoda
 1/16/2019 9:50:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.923 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.1	144.3
157	125.7	61.5	184.4





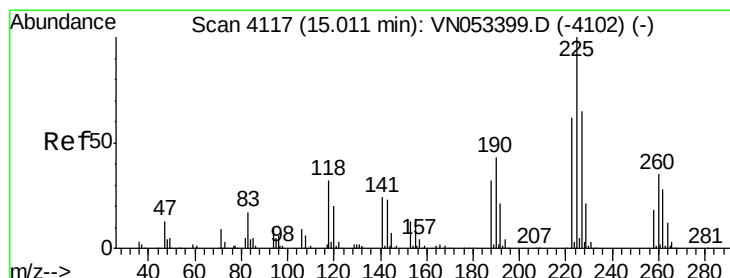
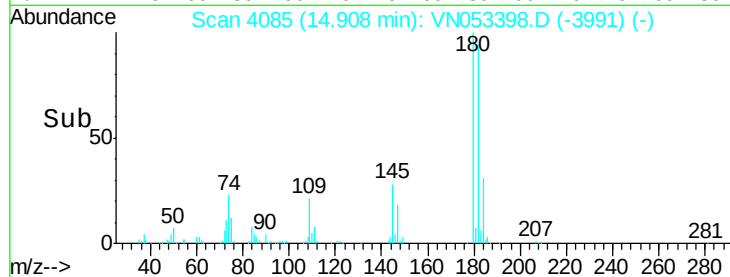
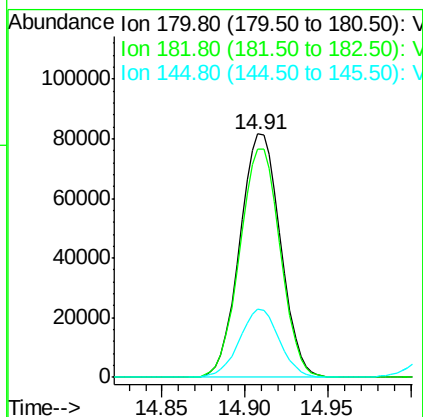
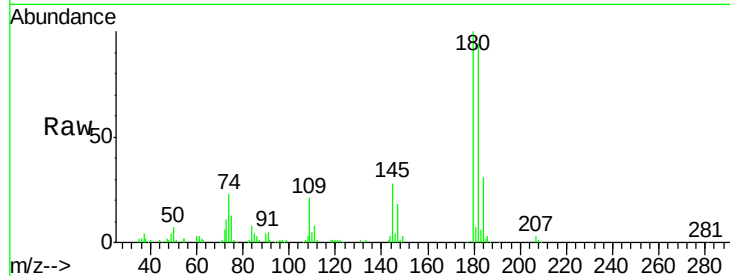
#93
 1,2,4-Trichlorobenzene
 Concen: 19.467 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138896		
182	93.5	47.8	143.4	
145	27.5	14.4	43.0	

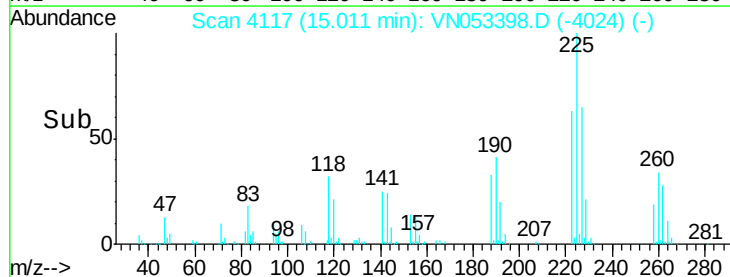
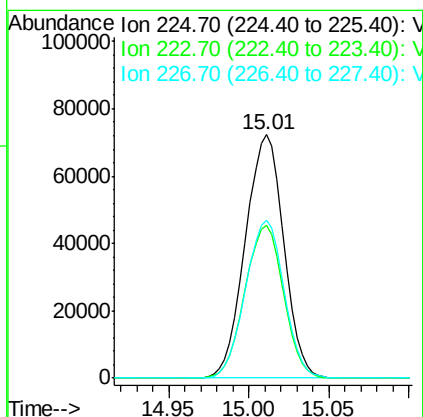
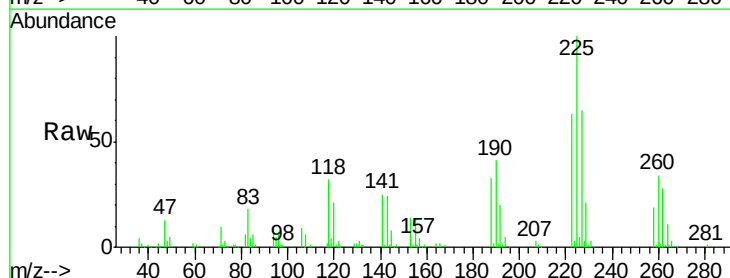
Manual Integrations
 APPROVED

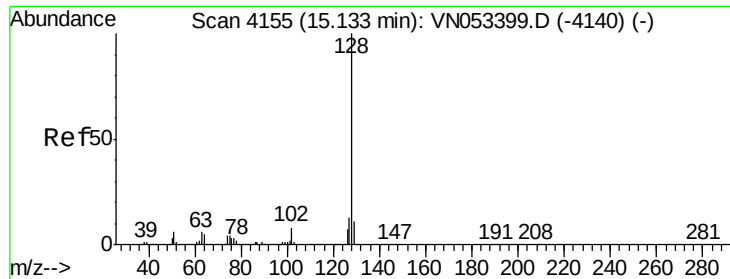
MMDadoda
 1/16/2019 9:50:44 AM



#94
 Hexachlorobutadiene
 Concen: 21.377 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118740		
223	63.1	30.9	92.8	
227	65.0	31.4	94.2	





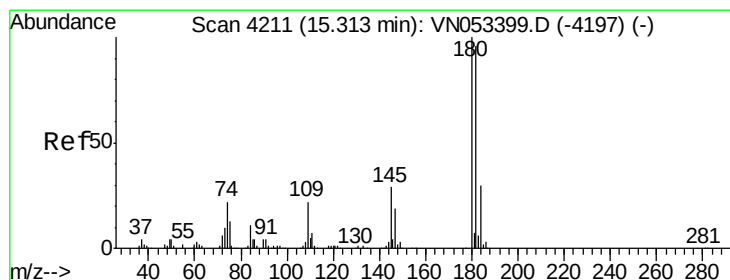
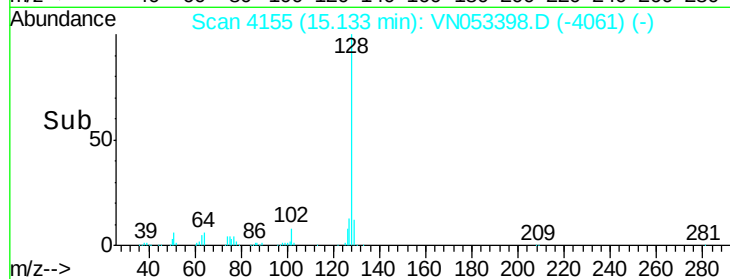
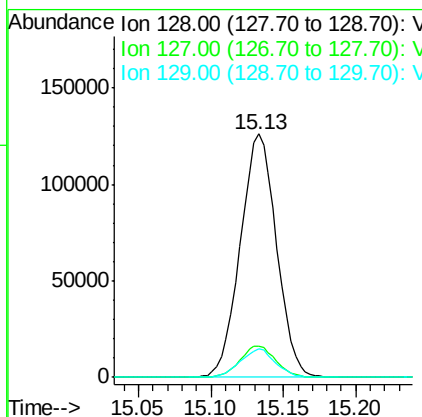
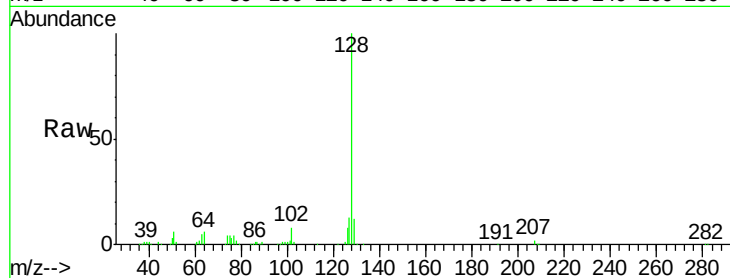
#95
Naphthalene
Concen: 18.575 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:50:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.785 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	48.4	145.0
145	30.0	14.9	44.5

