

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053411.D
 Acq On : 15 Jan 2019 16:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:35 AM

Quant Time: Jan 16 04:17:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	935096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1407916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1279620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	617756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	457294	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	7.59	113	399252	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	1678849	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	591001	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	367970	48.944	ug/l	98
3) Chloromethane	2.06	50	520758	48.446	ug/l	99
4) Vinyl Chloride	2.19	62	501078	48.359	ug/l	99
5) Bromomethane	2.57	94	333454	46.902	ug/l	100
6) Chloroethane	2.71	64	300478	47.965	ug/l	100
7) Trichlorofluoromethane	3.02	101	667884	49.279	ug/l	98
8) Diethyl Ether	3.41	74	258314	50.746	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	417280	48.615	ug/l	99
10) Methyl Iodide	3.96	142	649696	49.532	ug/l	100
11) Tert butyl alcohol	4.78	59	159117	351.831	ug/l	99
12) 1,1-Dichloroethene	3.74	96	413878	49.713	ug/l	99
13) Acrolein	3.61	56	252502	282.838	ug/l	100
14) Allyl chloride	4.33	41	700629	51.810	ug/l	95
15) Acrylonitrile	4.99	53	843055	283.253	ug/l	99
16) Acetone	3.82	43	608661	280.688	ug/l	98
17) Carbon Disulfide	4.06	76	1220149	48.464	ug/l	100
18) Methyl Acetate	4.32	43	391483	53.585	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1161132	52.491	ug/l	100
20) Methylene Chloride	4.55	84	472752	47.752	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	444062	49.891	ug/l	99
22) Diisopropyl ether	5.95	45	1435900	50.863	ug/l	98
23) Vinyl Acetate	5.90	43	4697632	270.700	ug/l	100
24) 1,1-Dichloroethane	5.85	63	833225	49.927	ug/l	99
25) 2-Butanone	6.83	43	976760	292.301	ug/l	99
26) 2,2-Dichloropropane	6.83	77	634502	50.356	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	512134	50.319	ug/l	99
28) Bromochloromethane	7.20	49	361547	49.176	ug/l	100
29) Tetrahydrofuran	7.21	42	638511	293.513	ug/l	99
30) Chloroform	7.37	83	813953	50.058	ug/l	99
31) Cyclohexane	7.66	56	781906	48.135	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	689696	50.002	ug/l	99
36) 1,1-Dichloropropene	7.80	75	638309	49.782	ug/l	100
37) Ethyl Acetate	6.93	43	426139	57.291	ug/l	99
38) Carbon Tetrachloride	7.78	117	600109	49.436	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	786776	49.645	ug/l	99
40) Benzene	8.04	78	1938626	49.754	ug/l	100
41) Methacrylonitrile	7.17	41	216266	47.019	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	563299	49.624	ug/l	100
43) Isopropyl Acetate	8.17	43	754637	54.483	ug/l	100
44) Trichloroethene	8.84	130	536854	49.684	ug/l	100
45) 1,2-Dichloropropane	9.12	63	512170	49.627	ug/l	98
46) Dibromomethane	9.21	93	293033	49.420	ug/l	99
47) Bromodichloromethane	9.40	83	615616	49.370	ug/l	100
48) Methyl methacrylate	9.20	41	375710	54.858	ug/l	100
49) 1,4-Dioxane	9.20	88	91011	1360.667	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2125662	293.557	ug/l	100
52) Toluene	10.16	92	1214522	50.208	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	657342	52.009	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	752349	50.779	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	425700	51.045	ug/l	99
56) Ethyl methacrylate	10.43	69	595624	50.312	ug/l	100
57) 1,3-Dichloropropane	10.71	76	736306	51.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1546235	265.022	ug/l	100
59) 2-Hexanone	10.75	43	1498841	294.866	ug/l	99
60) Dibromochloromethane	10.90	129	477007	50.429	ug/l	99
61) 1,2-Dibromoethane	11.01	107	439669	52.128	ug/l	100
64) Tetrachloroethene	10.63	164	578711	47.990	ug/l	99
65) Chlorobenzene	11.43	112	1343844	49.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	466484	49.507	ug/l	100
67) Ethyl Benzene	11.51	91	2341642	50.729	ug/l	100
68) m/p-Xylenes	11.62	106	1782505	102.278	ug/l	99
69) o-Xylene	11.95	106	867740	51.241	ug/l	99
70) Styrene	11.96	104	1429348	52.006	ug/l	99
71) Bromoform	12.13	173	344230	53.065	ug/l	99
73) Isopropylbenzene	12.25	105	2312768	51.124	ug/l	100
74) N-amyl acetate	12.07	43	691356	57.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	516226	54.410	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	462851m	59.508	ug/l	
77) Bromobenzene	12.53	156	591555	49.625	ug/l	99
78) n-propylbenzene	12.59	91	2670137	51.420	ug/l	100
79) 2-Chlorotoluene	12.68	91	1545466	50.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1884274	51.193	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	163317	50.732	ug/l	99
82) 4-Chlorotoluene	12.77	91	1580834	50.362	ug/l	99
83) tert-Butylbenzene	12.99	119	1662751	51.147	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1884095	50.766	ug/l	99
85) sec-Butylbenzene	13.17	105	2284566	51.241	ug/l	99
86) p-Isopropyltoluene	13.29	119	1995559	51.549	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1049226	50.038	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1039779	49.434	ug/l	99
89) n-Butylbenzene	13.62	91	1690184	51.220	ug/l	100
90) Hexachloroethane	13.88	117	310250	51.100	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	985152	51.068	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72661	60.399	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	429180	50.399	ug/l	99
94) Hexachlorobutadiene	15.01	225	301859	50.161	ug/l	99
95) Naphthalene	15.13	128	780242	52.070	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	318451	51.042	ug/l	99

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

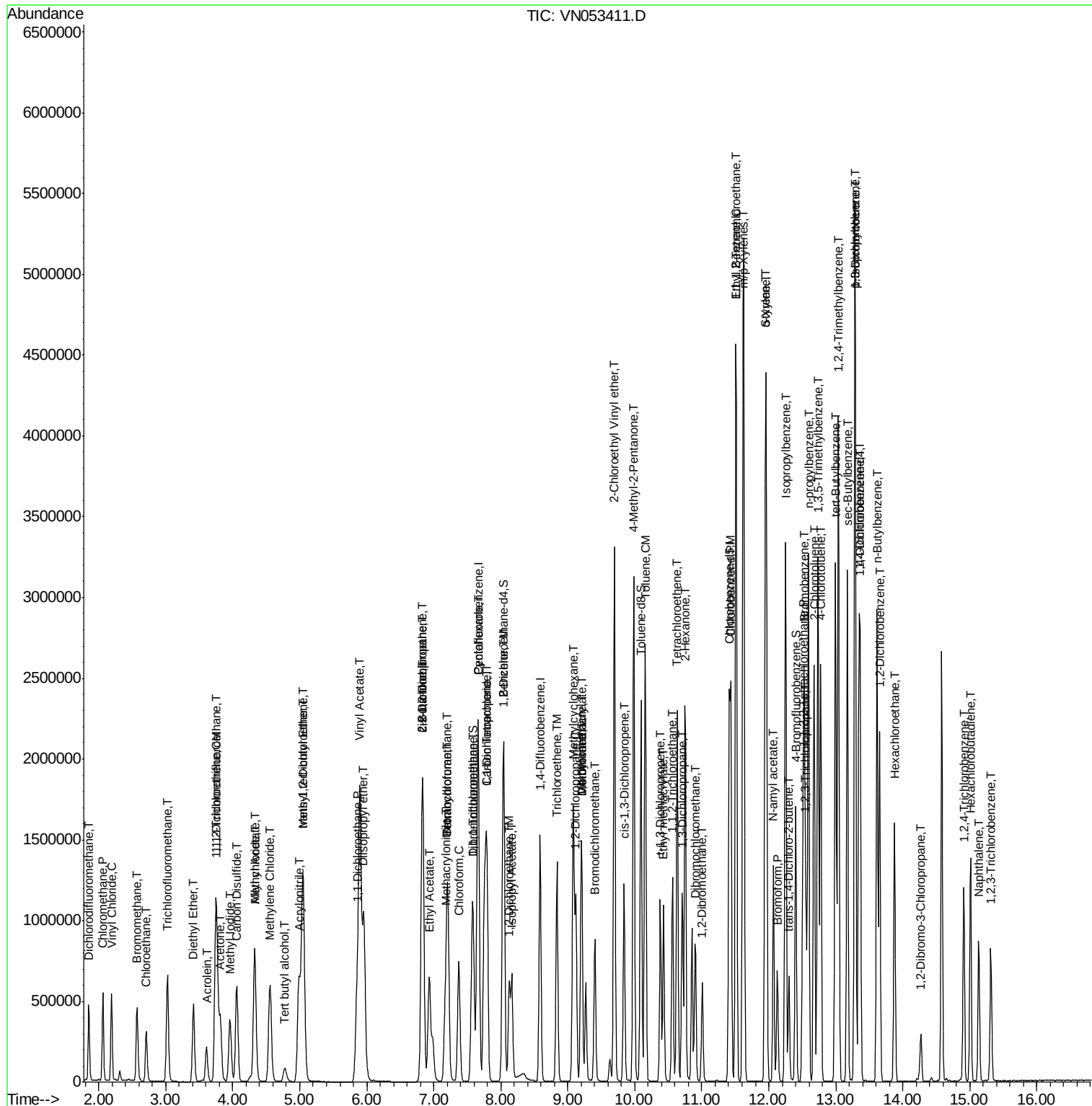
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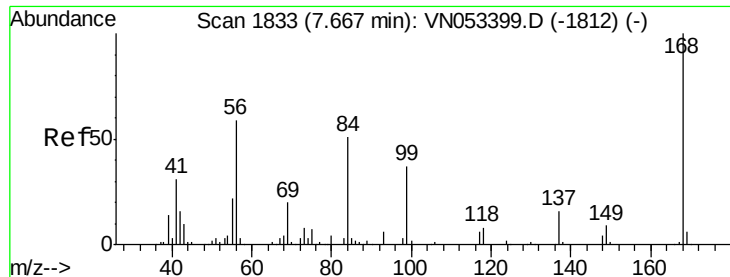
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 935096

Ion Ratio Lower Upper

168 100

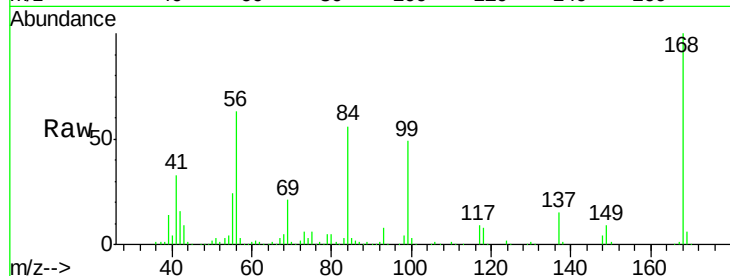
99 48.9 39.1 58.7

Manual Integrations

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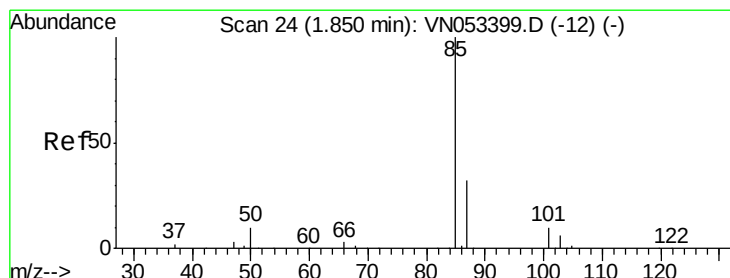
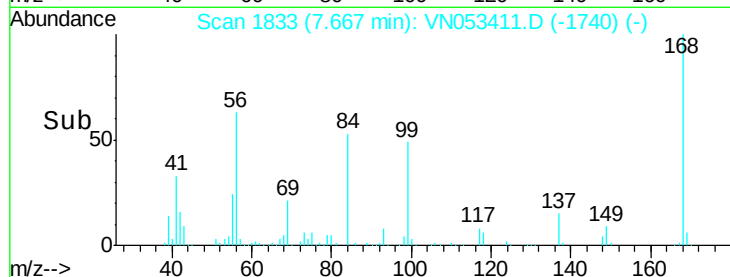
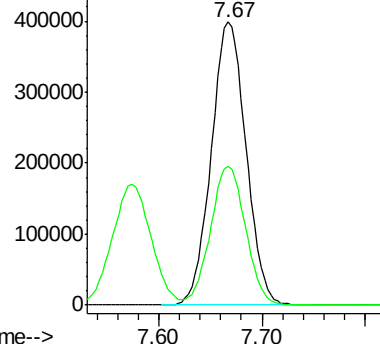
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.944 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053411.D

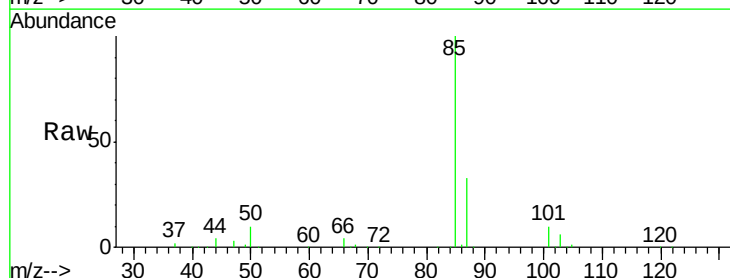
Acq: 15 Jan 2019 16:41

Tgt Ion: 85 Resp: 367970

Ion Ratio Lower Upper

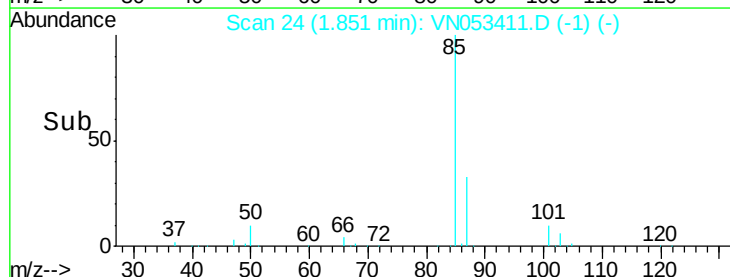
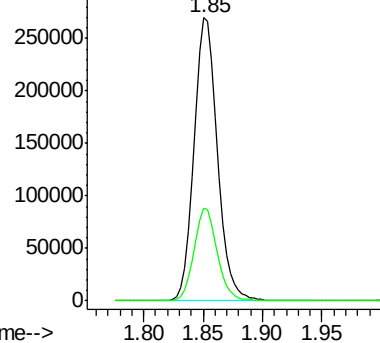
85 100

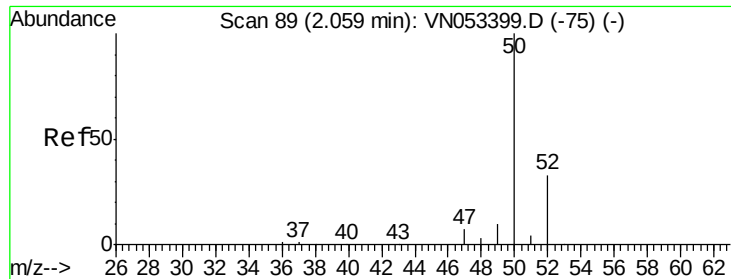
87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.446 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 520758

Ion Ratio Lower Upper

50 100

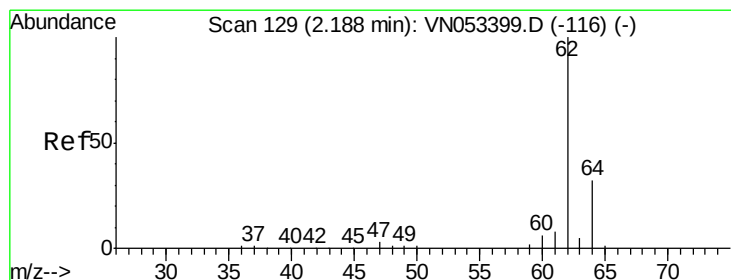
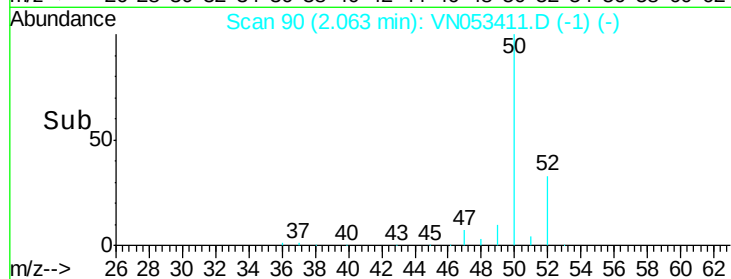
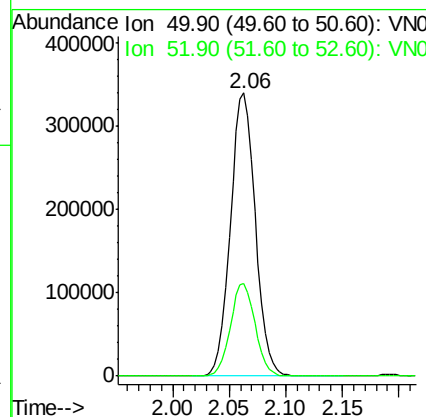
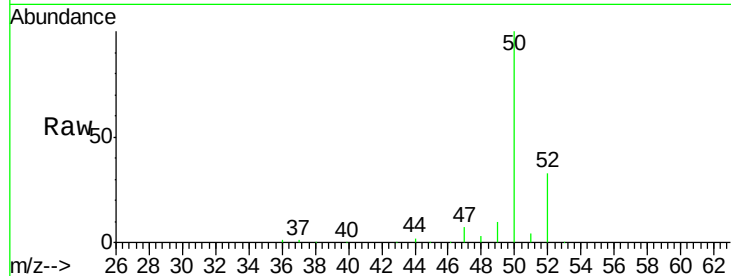
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.359 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053411.D

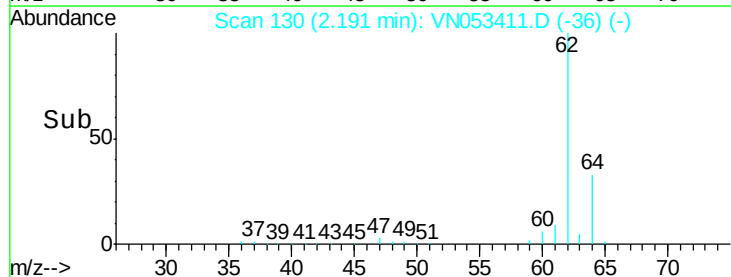
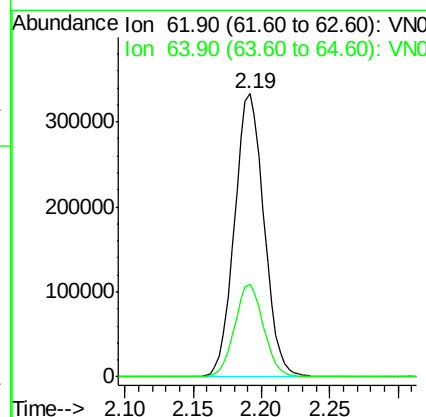
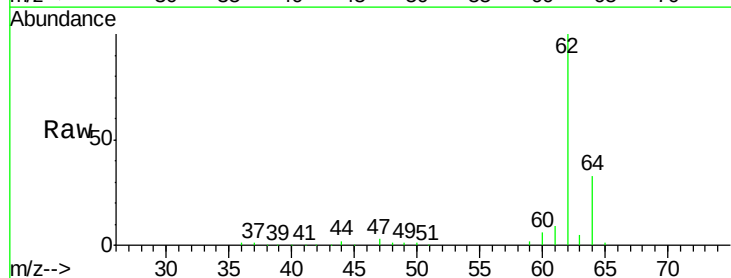
Acq: 15 Jan 2019 16:41

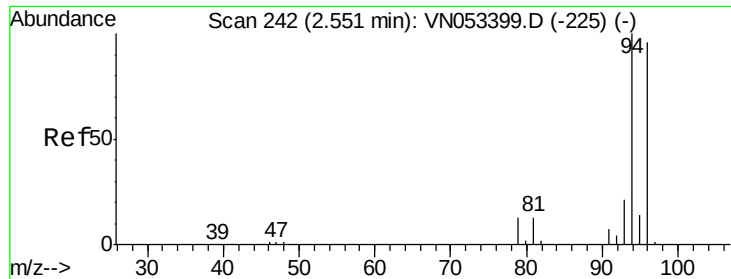
Tgt Ion: 62 Resp: 501078

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4





#5

Bromomethane

Concen: 46.902 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 333454

Ion Ratio Lower Upper

94 100

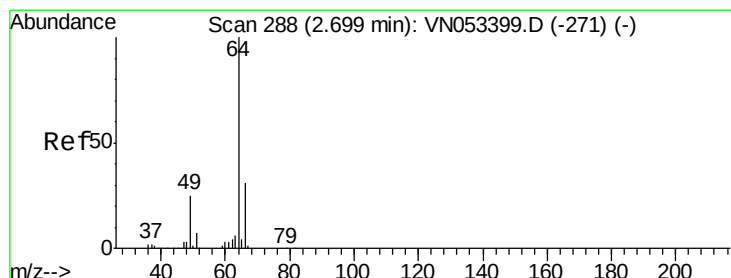
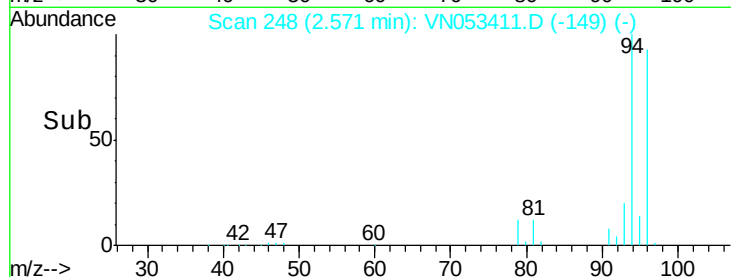
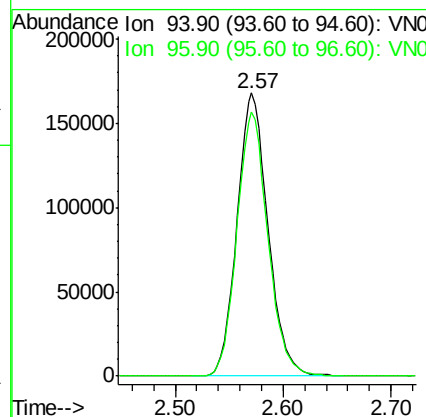
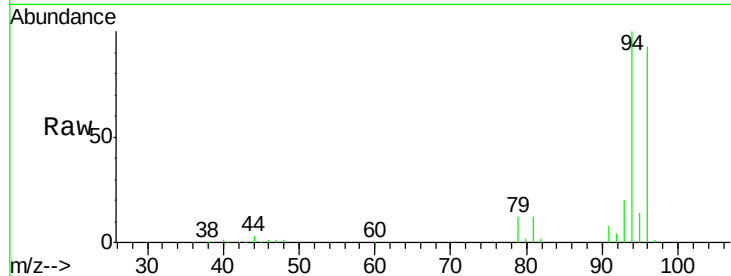
96 93.2 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 47.965 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053411.D

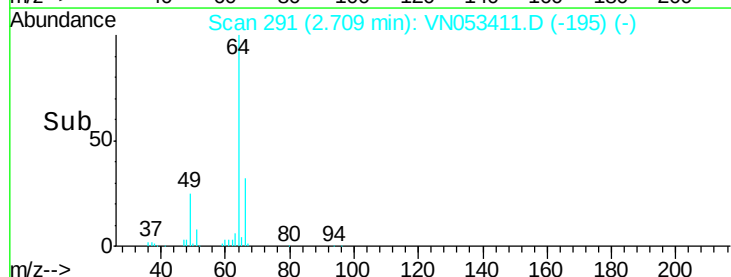
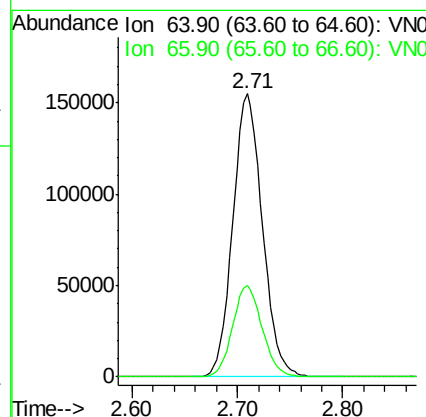
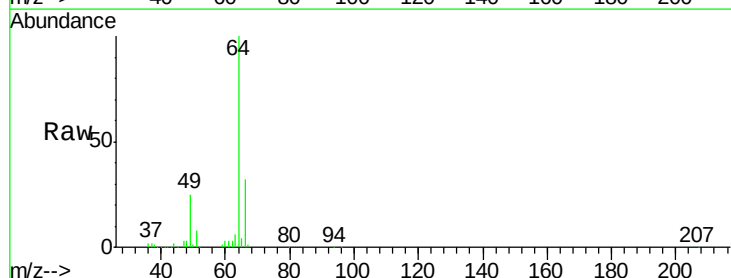
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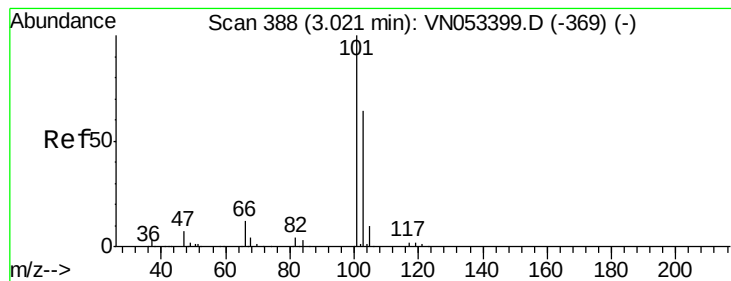
Tgt Ion: 64 Resp: 300478

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4





#7

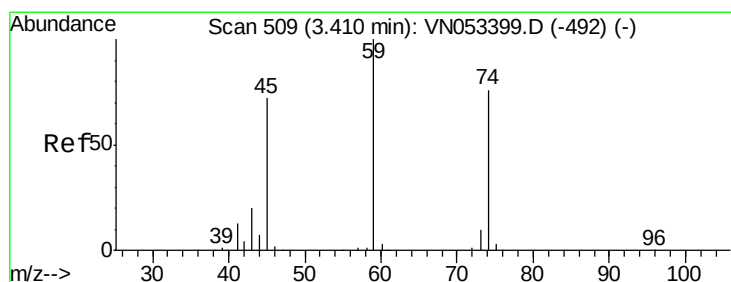
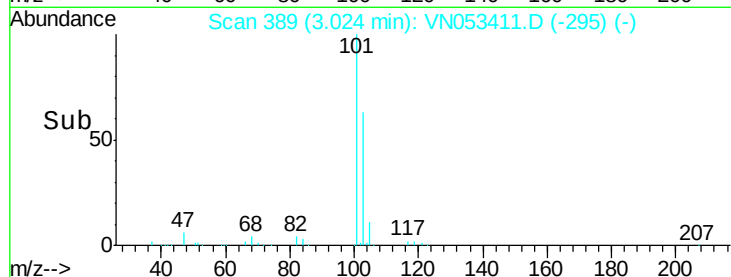
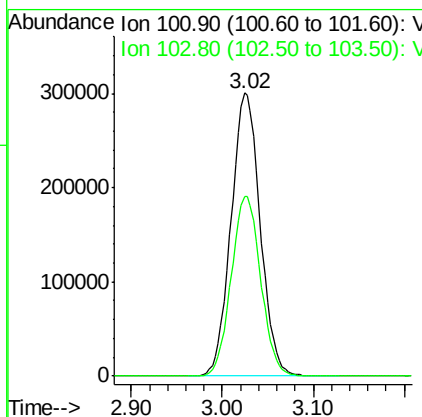
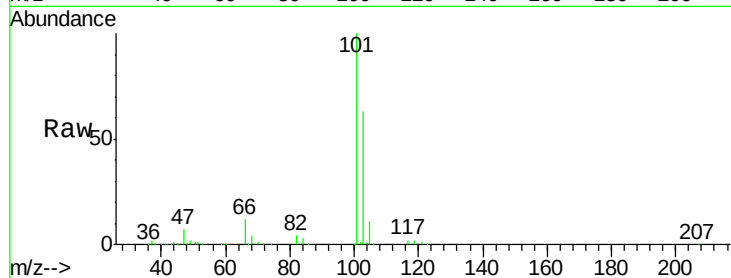
Trichlorofluoromethane
 Concen: 49.279 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053411.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.1	78.1

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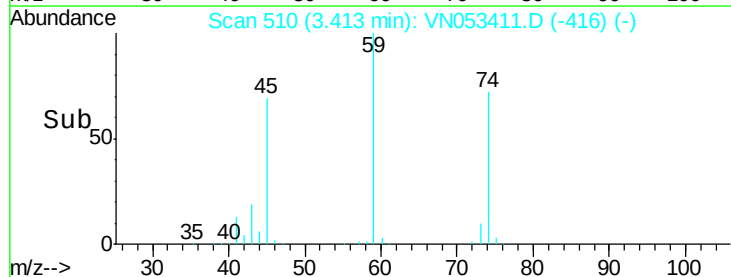
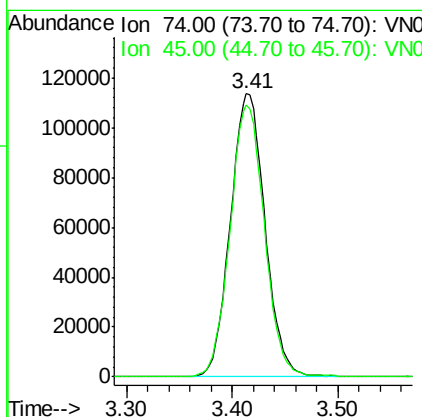
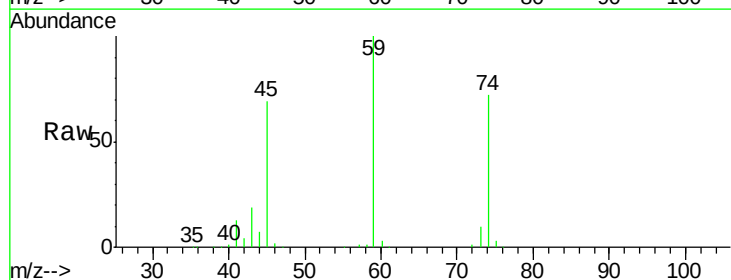
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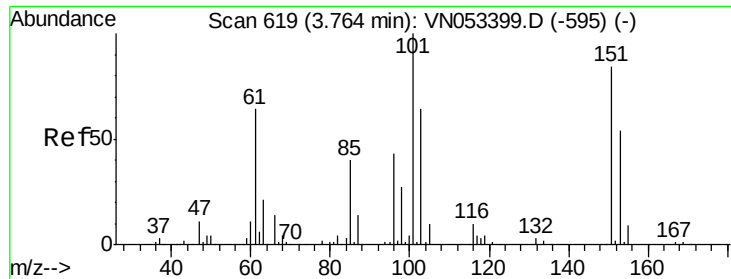


#8

Diethyl Ether
 Concen: 50.746 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053411.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.3	144.9





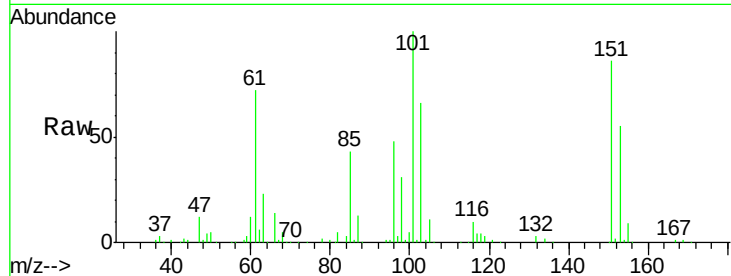
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.615 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

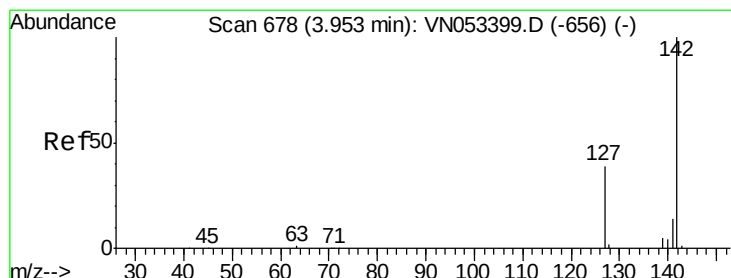
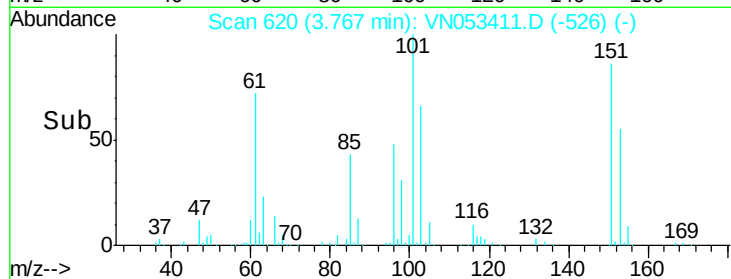
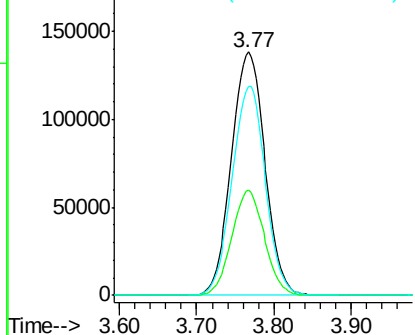
Tot Ion	Ratio	Resp	Lower	Upper
101	100	417280		
85	41.9	33.3	49.9	
151	85.2	67.0	100.4	

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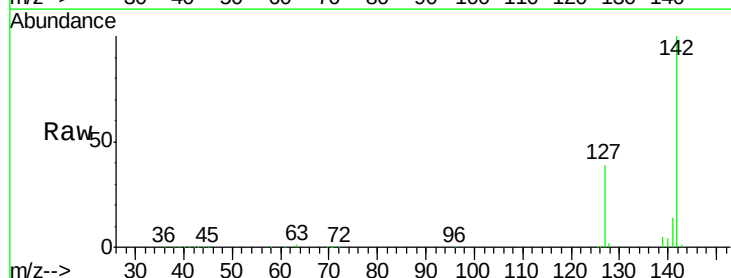


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

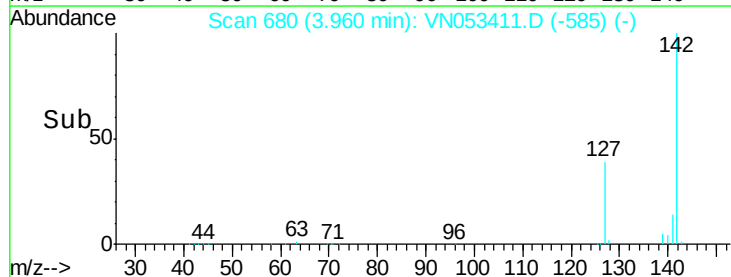
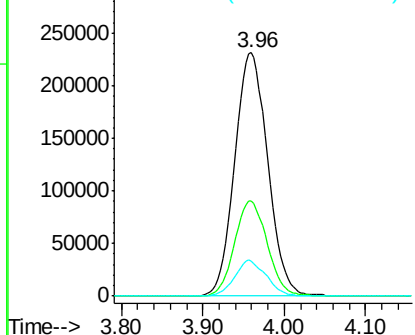


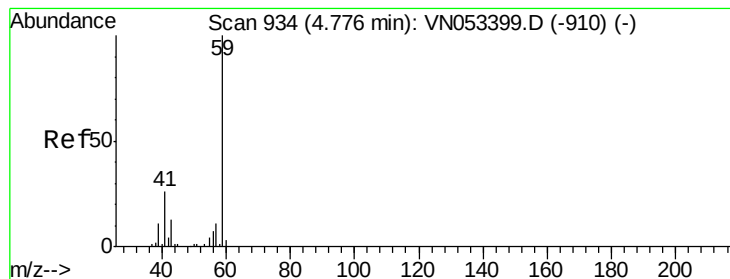
#10
 Methyl Iodide
 Concen: 49.532 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	649696		
127	38.8	30.9	46.3	
141	14.1	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

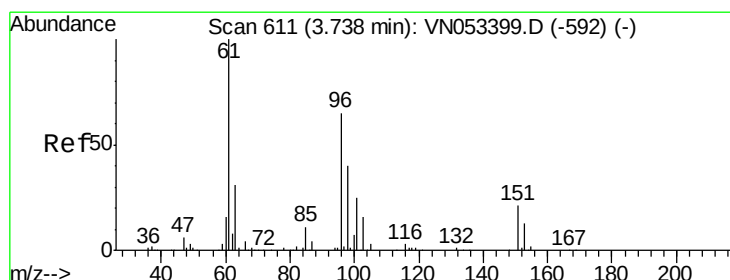
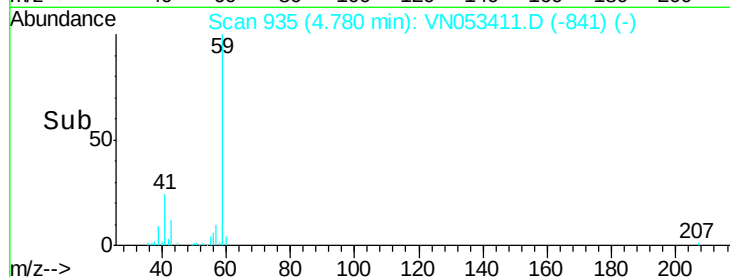
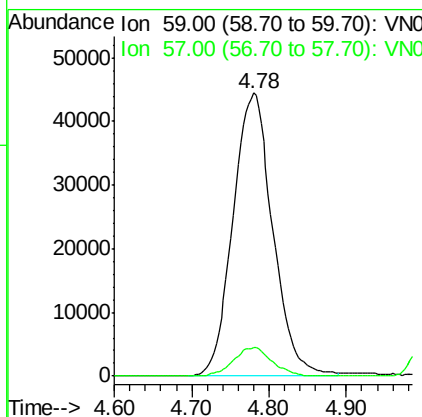
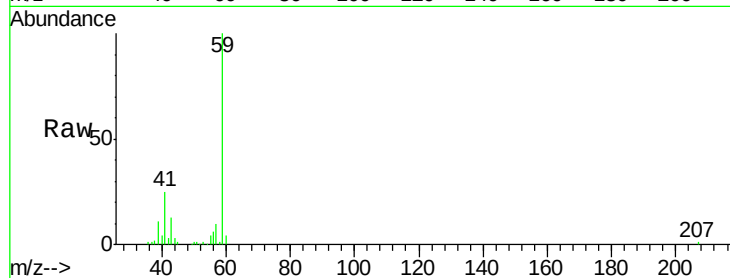
Tert butyl alcohol
Concen: 351.831 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

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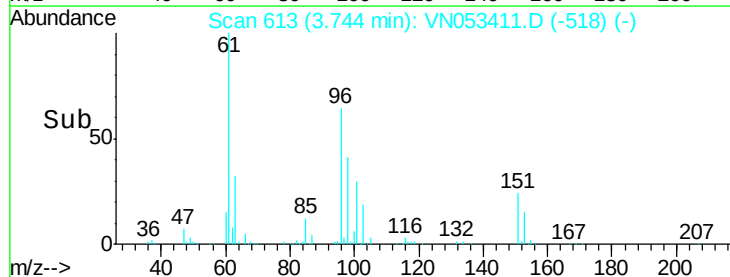
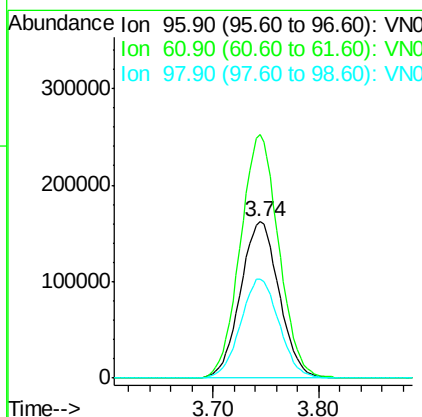
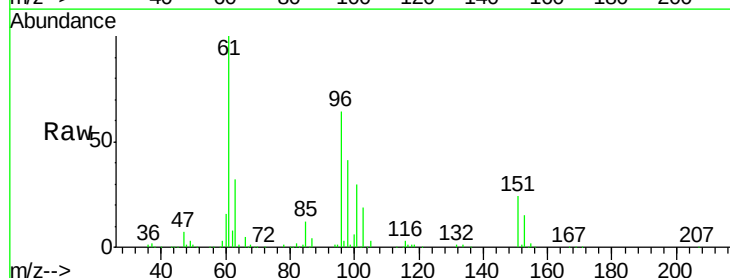
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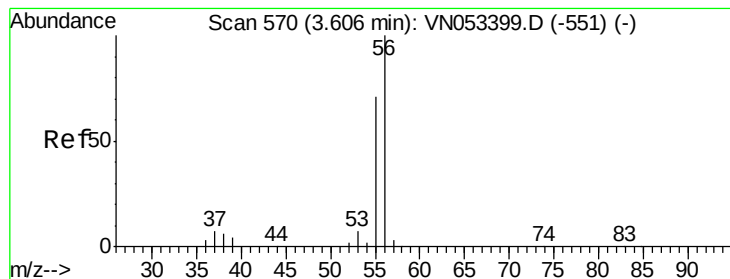


#12

1,1-Dichloroethene
Concen: 49.713 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	123.2	184.8
98	63.7	50.5	75.7





#13

Acrolein

Concen: 282.838 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 252502

Ion Ratio Lower Upper

56 100

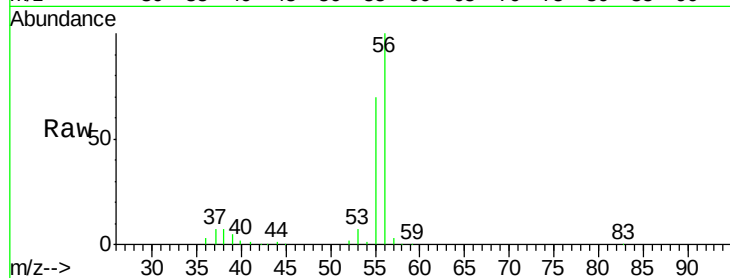
55 70.6 56.3 84.5

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

120000

100000

80000

60000

40000

20000

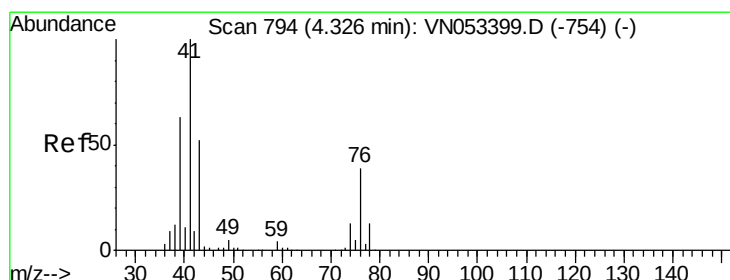
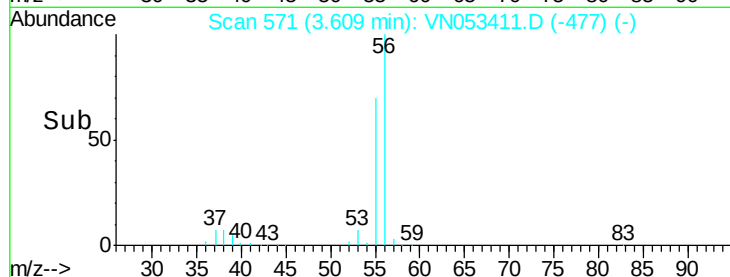
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 51.810 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

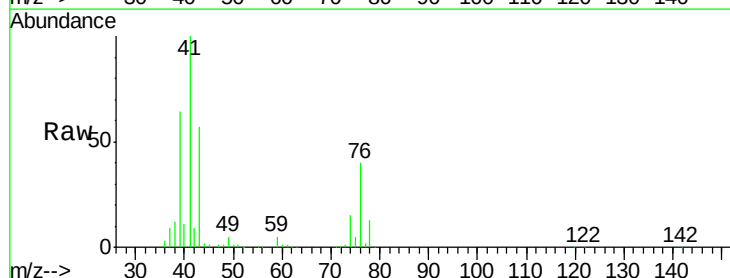
Tgt Ion: 41 Resp: 700629

Ion Ratio Lower Upper

41 100

39 60.7 51.9 77.9

76 36.5 31.2 46.8



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

300000

200000

100000

0

4.10

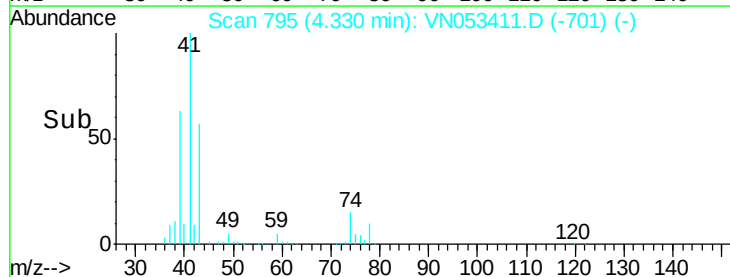
4.20

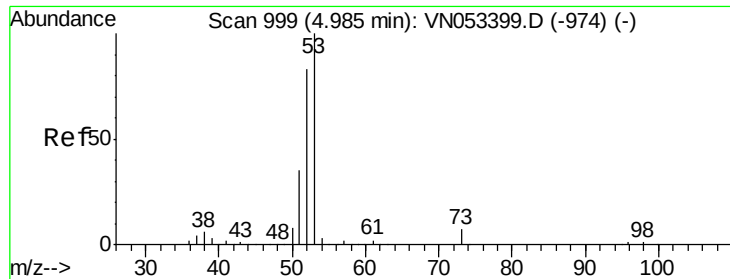
4.30

4.40

4.50

Time-->





#15

Acrylonitrile

Concen: 283.253 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

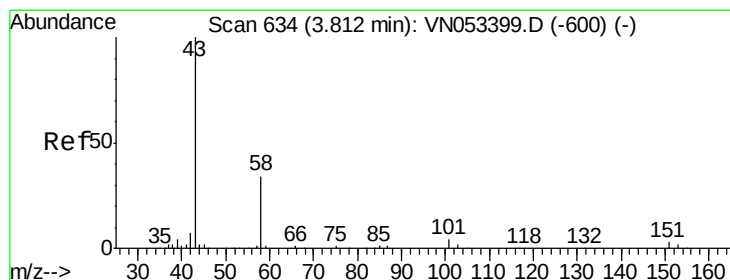
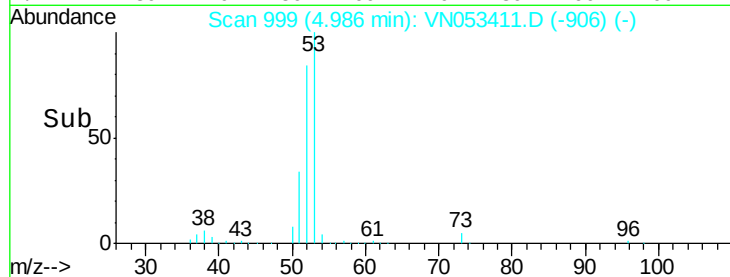
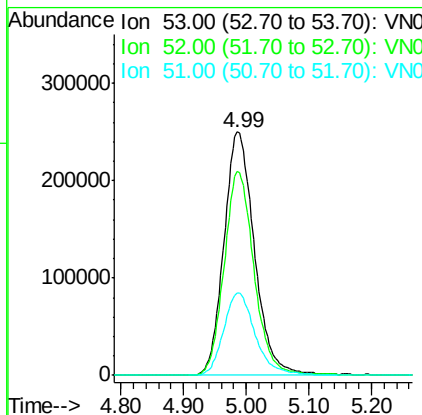
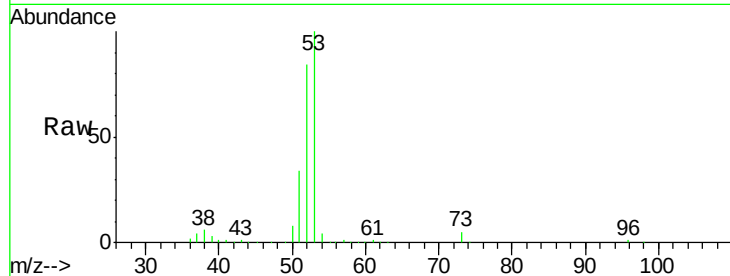
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	843055
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.2	97.8
51	35.3	28.0	42.0

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#16

Acetone

Concen: 280.688 ug/l

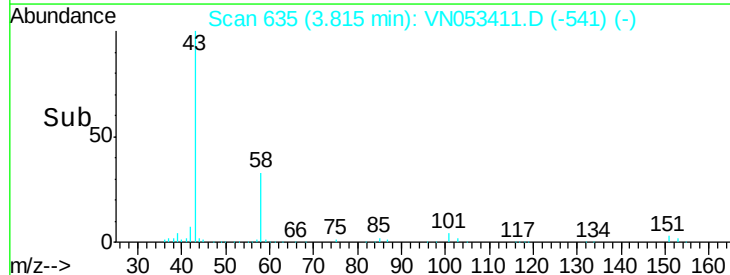
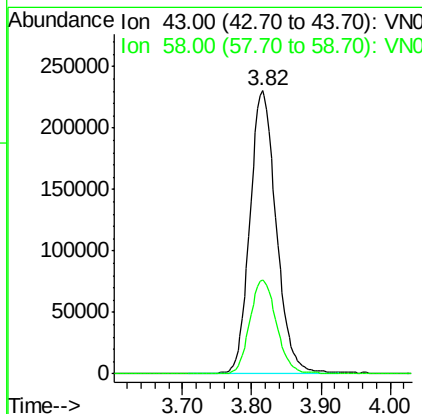
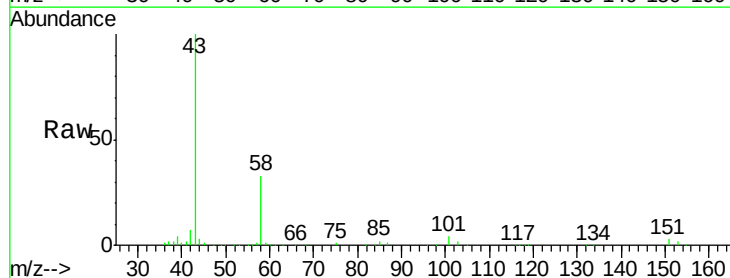
RT: 3.82 min Scan# 635

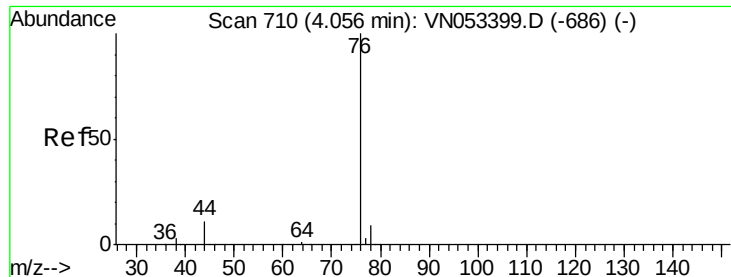
Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Tgt Ion:	43	Resp:	608661
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.8	41.6





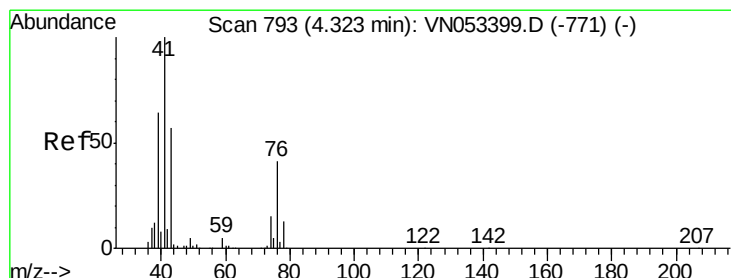
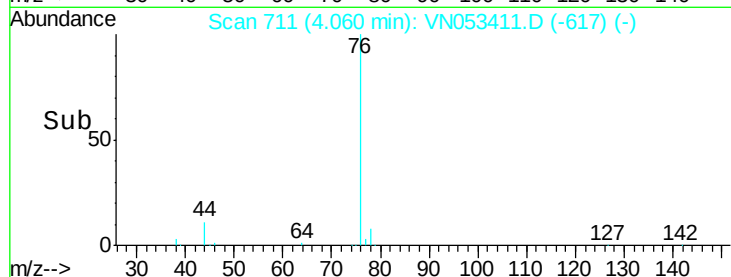
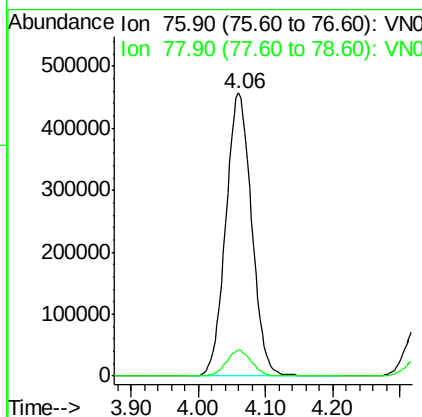
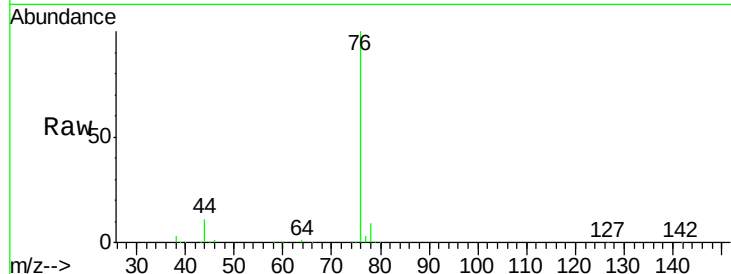
#17
Carbon Disulfide
Concen: 48.464 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 76 Resp: 1220149
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

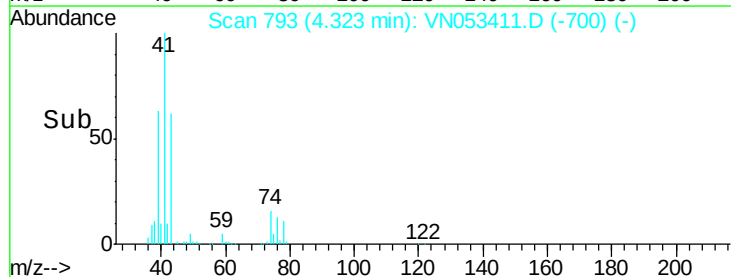
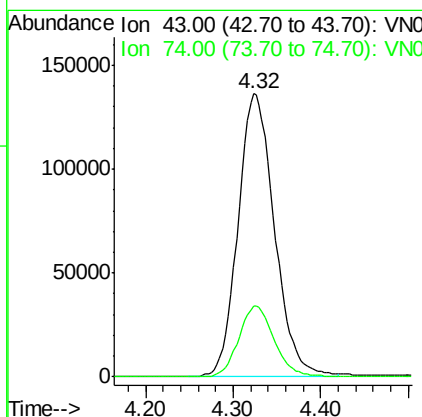
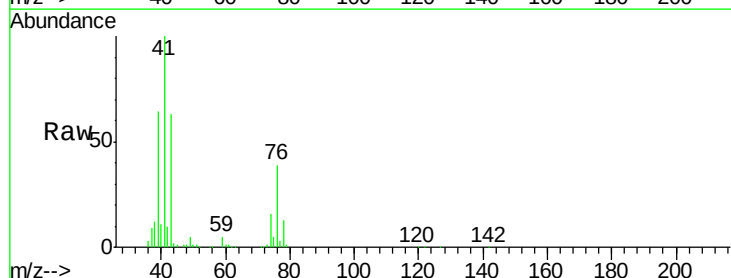
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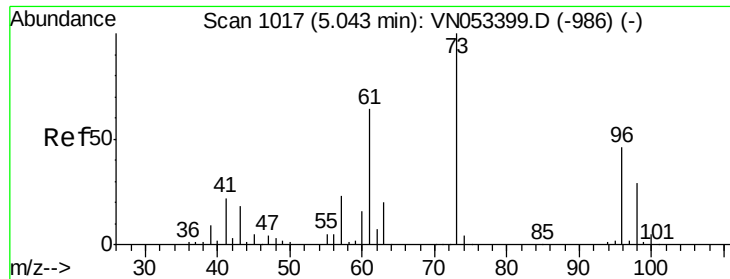
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#18
Methyl Acetate
Concen: 53.585 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 43 Resp: 391483
Ion Ratio Lower Upper
43 100
74 24.5 19.8 29.8





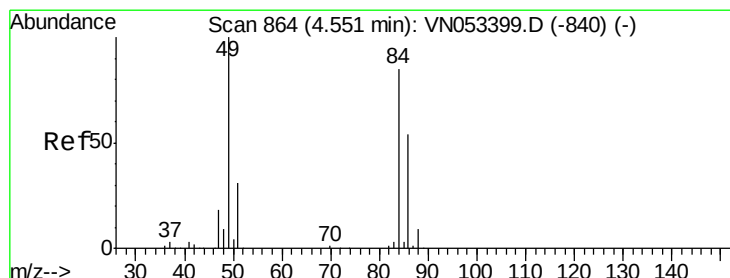
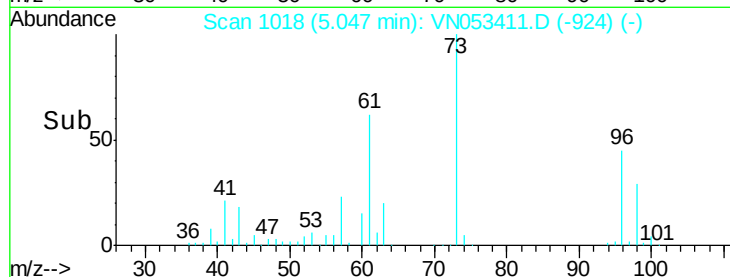
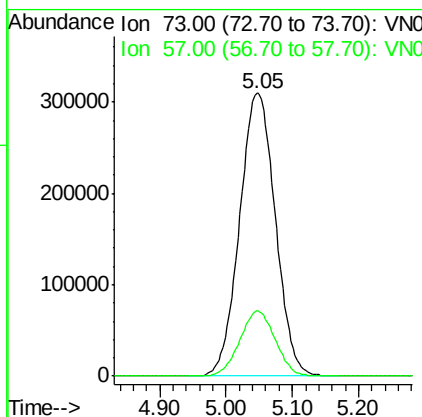
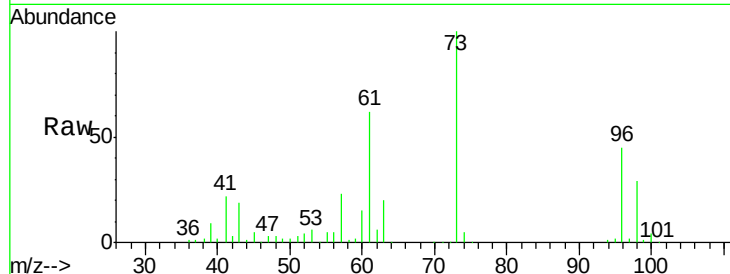
#19
Methyl tert-butyl Ether
Concen: 52.491 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1161132
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7

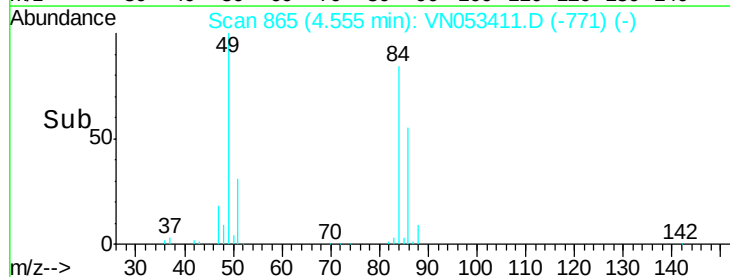
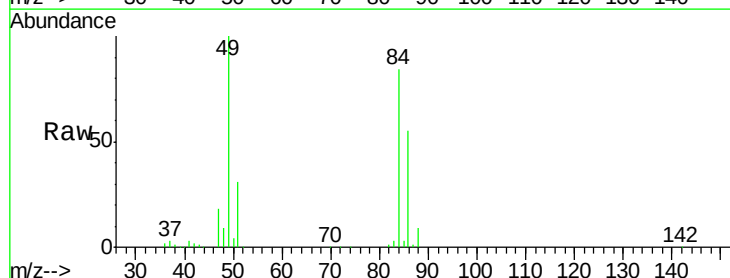
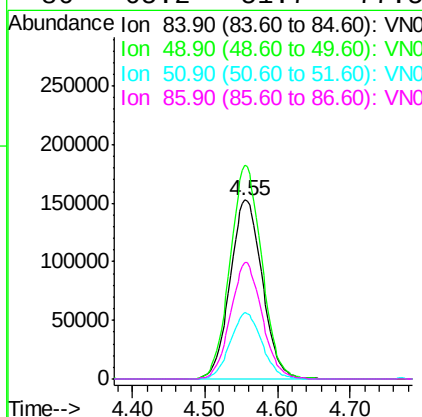
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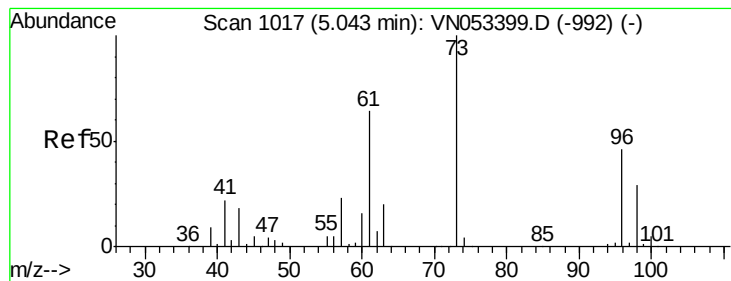
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#20
Methylene Chloride
Concen: 47.752 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 84 Resp: 472752
Ion Ratio Lower Upper
84 100
49 119.3 95.3 142.9
51 36.9 29.0 43.6
86 65.2 51.7 77.5





#21

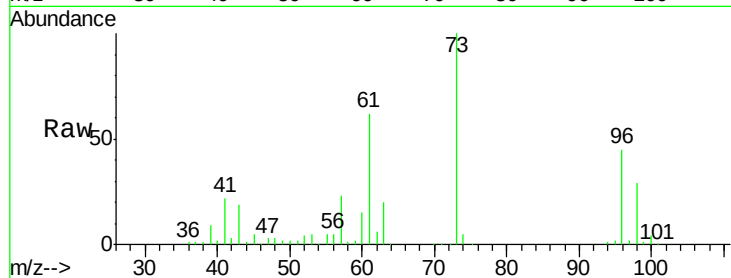
trans-1,2-Dichloroethene
Concen: 49.891 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	110.2	165.4
98	65.1	50.7	76.1

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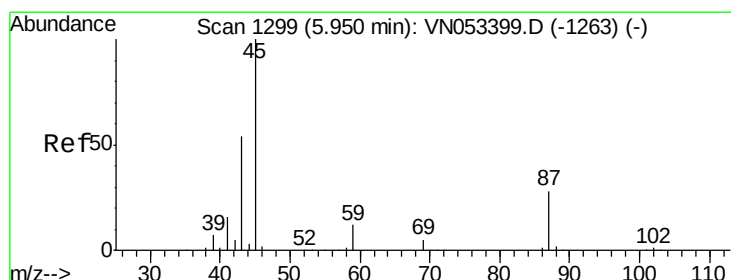
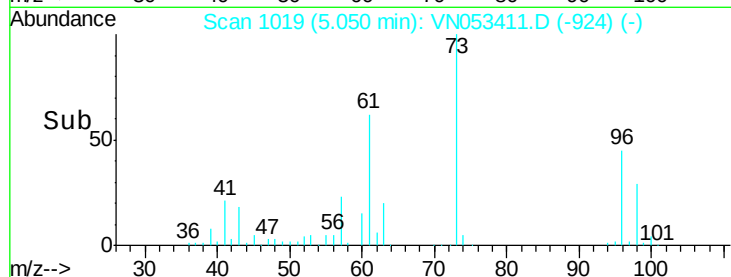
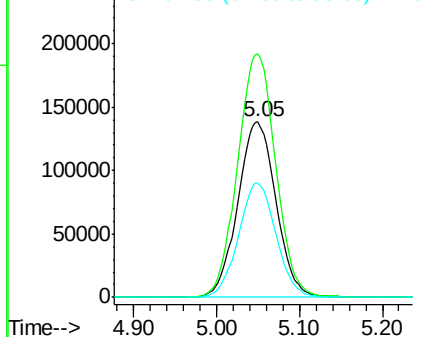


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 50.863 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	43.0	64.6
87	28.2	22.1	33.1
59	11.7	9.0	13.4

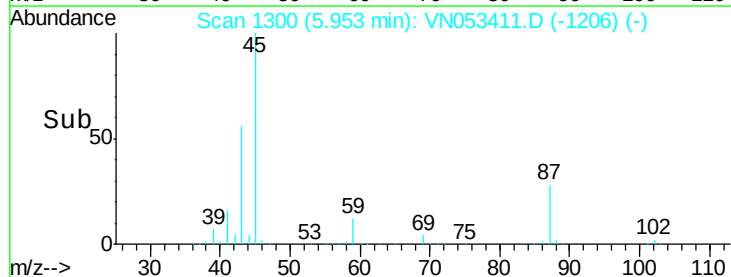
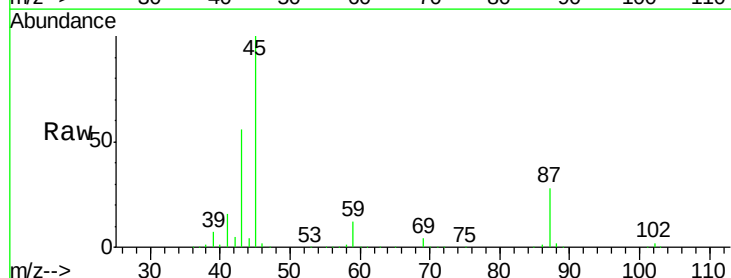
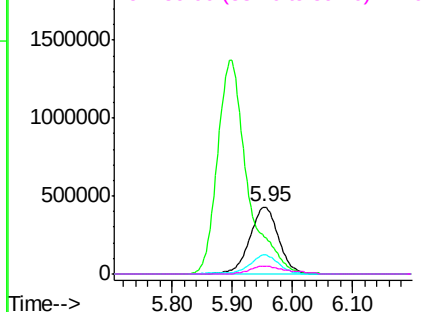
Abundance

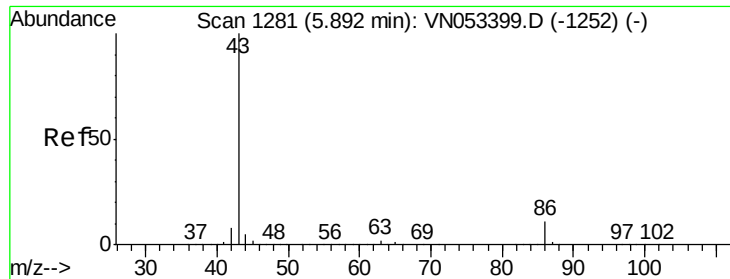
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





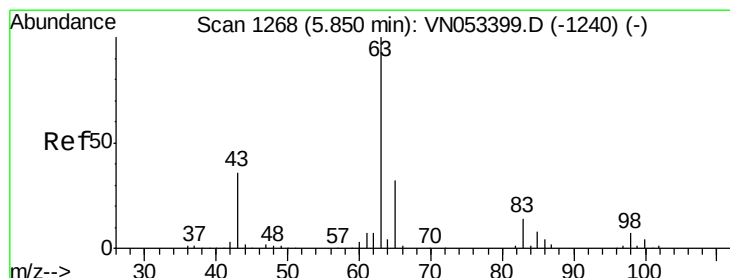
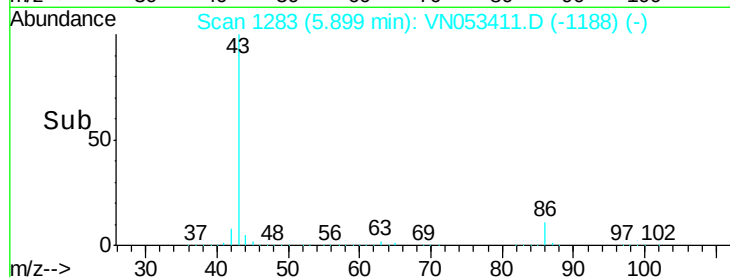
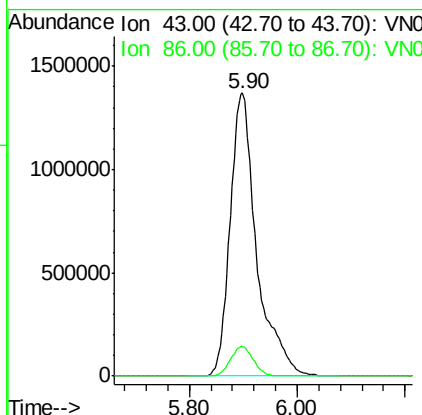
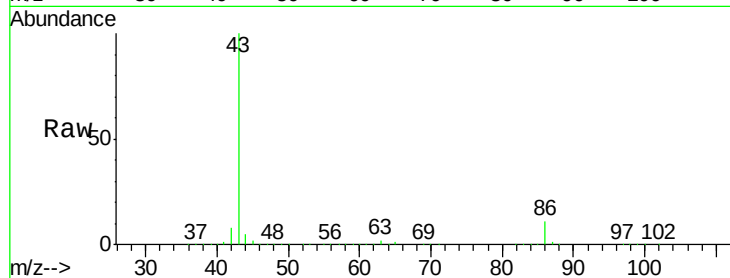
#23
 Vinyl Acetate
 Concen: 270.700 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 4697632
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

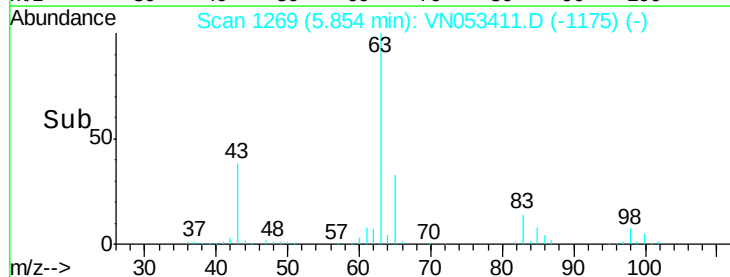
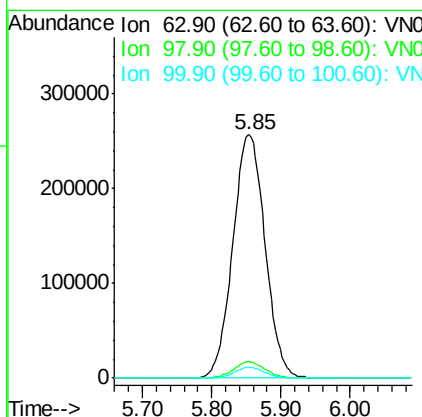
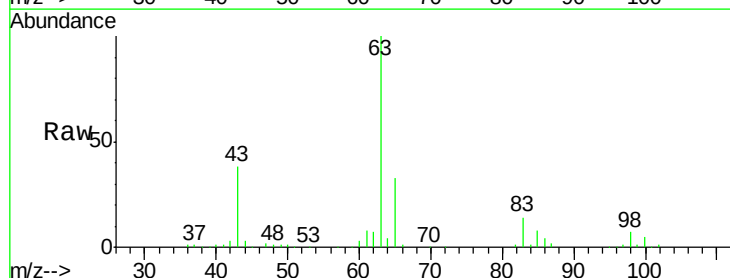
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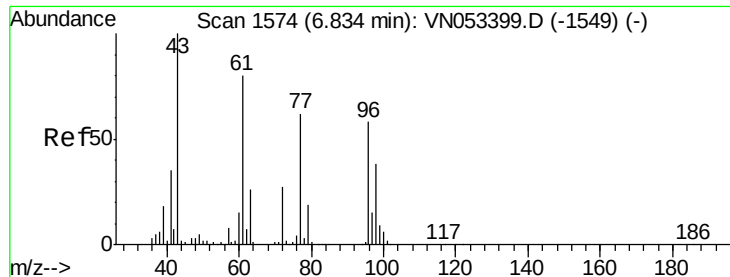
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#24
 1,1-Dichloroethane
 Concen: 49.927 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 63 Resp: 833225
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.5 2.1 6.5





#25

2-Butanone

Concen: 292.301 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 976760

Ion Ratio Lower Upper

43 100

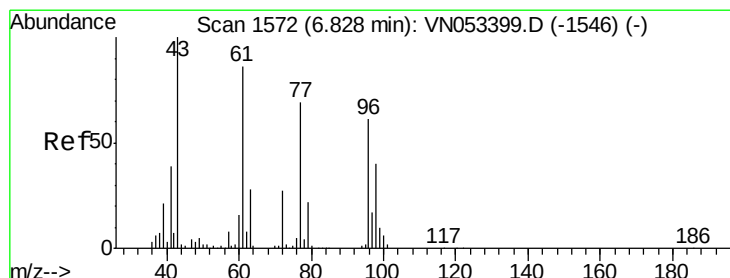
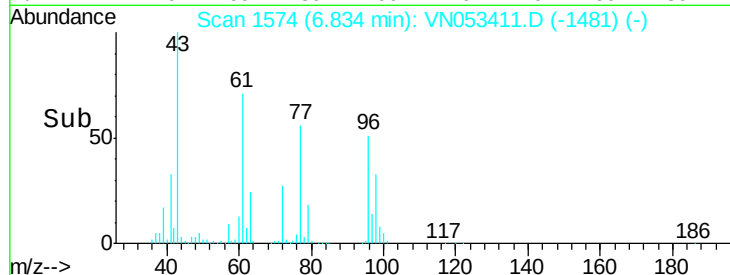
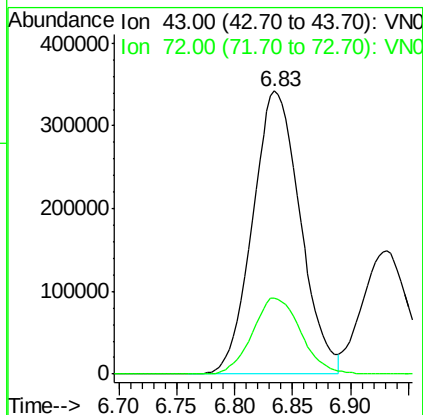
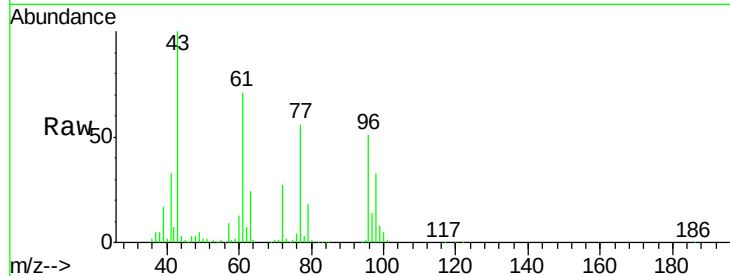
72 26.9 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.356 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053411.D

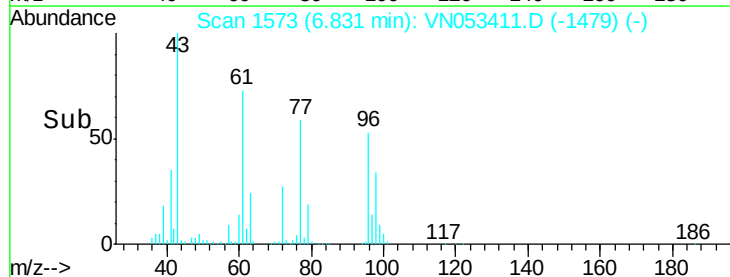
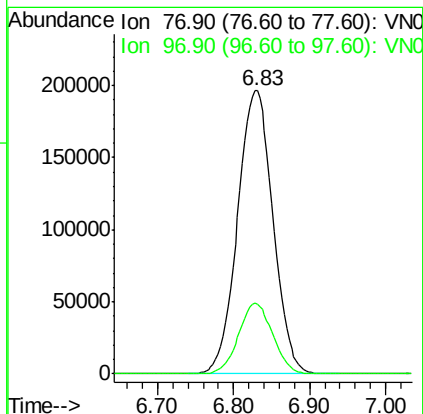
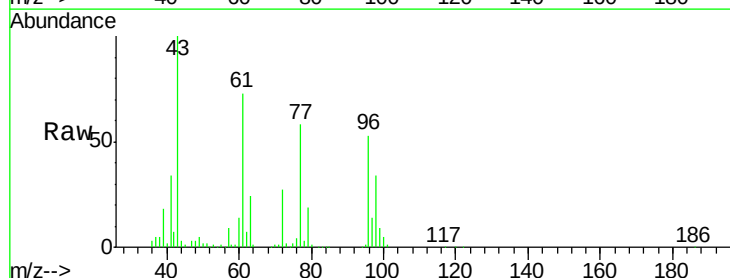
Acq: 15 Jan 2019 16:41

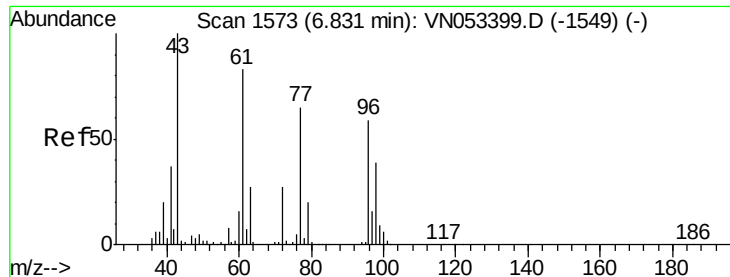
Tgt Ion: 77 Resp: 634502

Ion Ratio Lower Upper

77 100

97 24.0 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 50.319 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

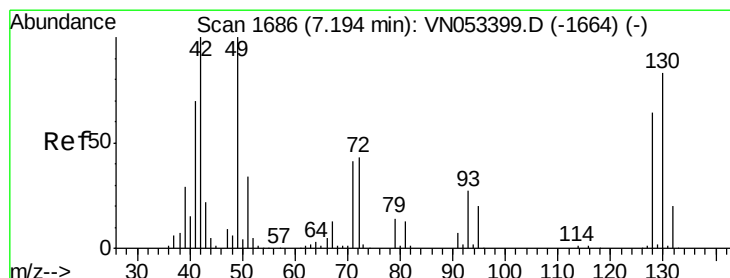
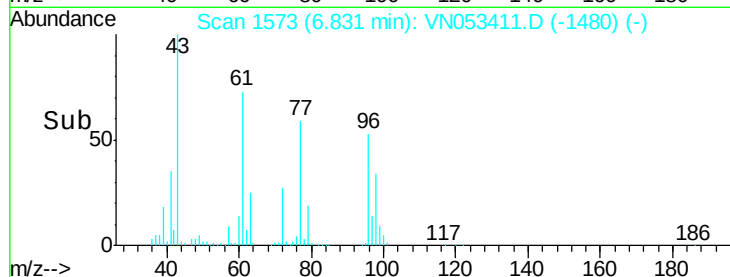
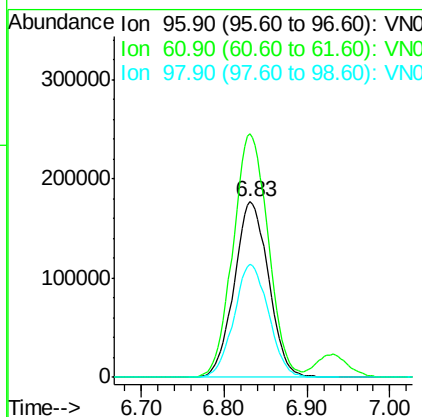
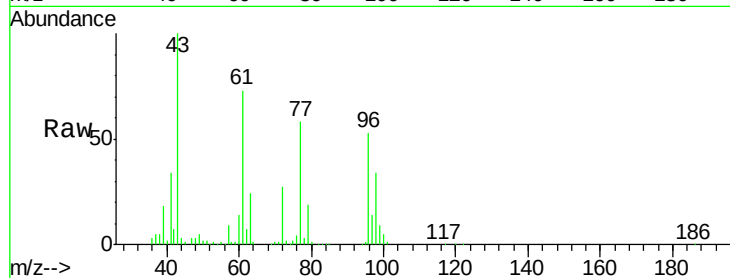
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	512134
Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	280.6
98	64.7	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 49.176 ug/l

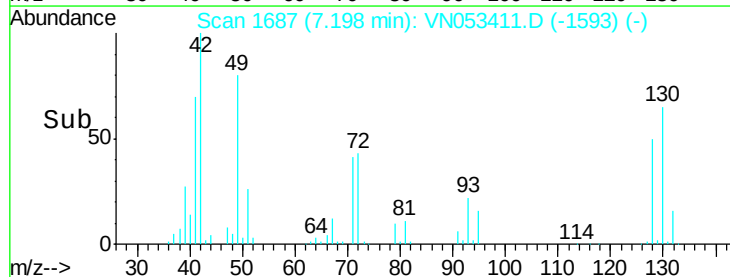
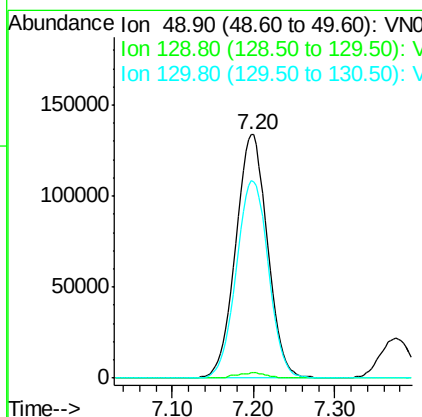
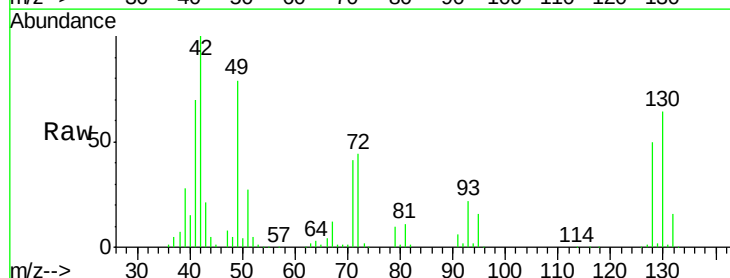
RT: 7.20 min Scan# 1687

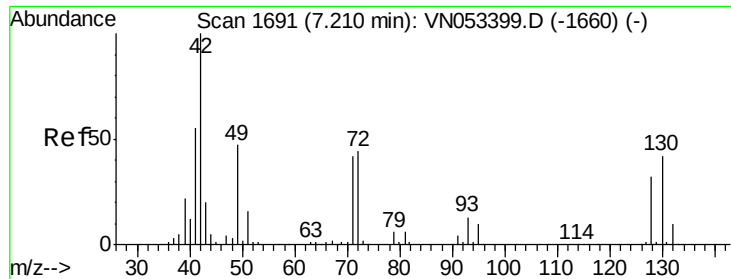
Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Tgt Ion:	49	Resp:	361547
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	81.9	65.4	98.0





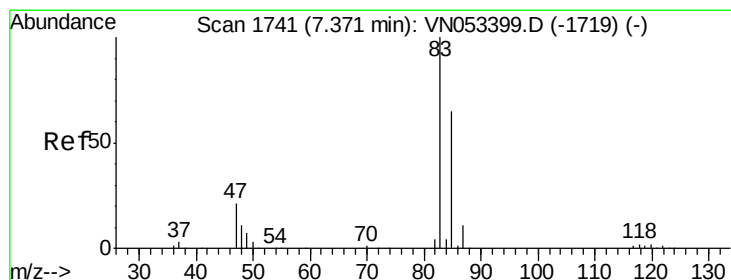
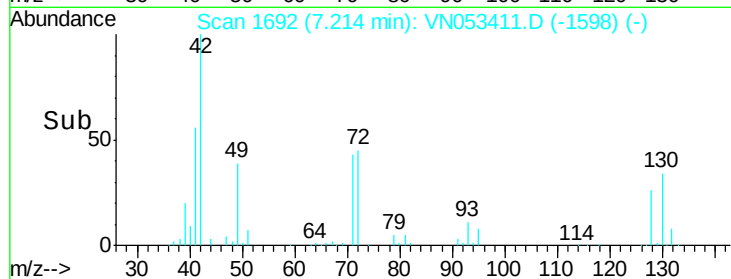
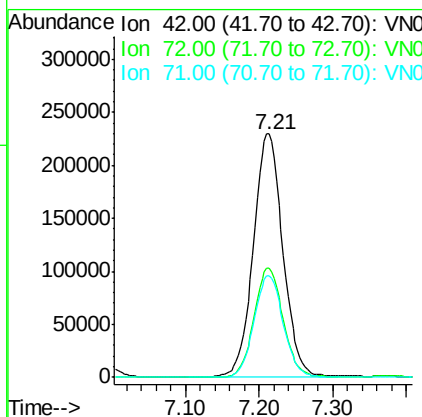
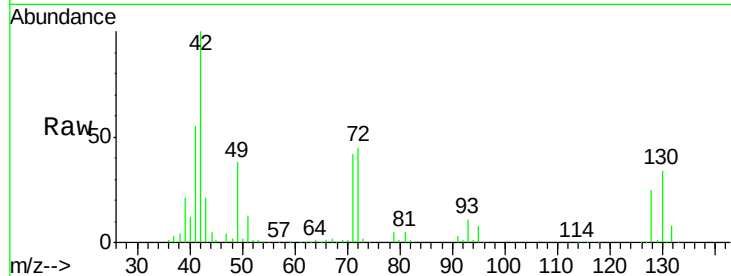
#29
Tetrahydrofuran
Concen: 293.513 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.6	53.4
71	41.6	33.8	50.8

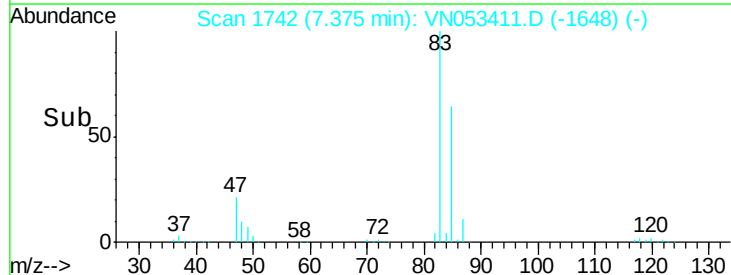
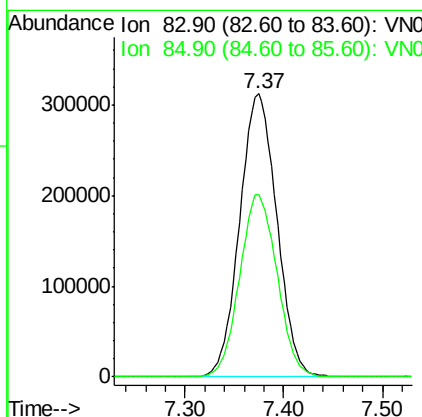
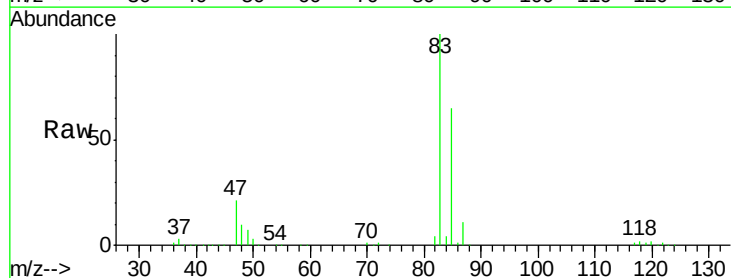
Manual Integrations
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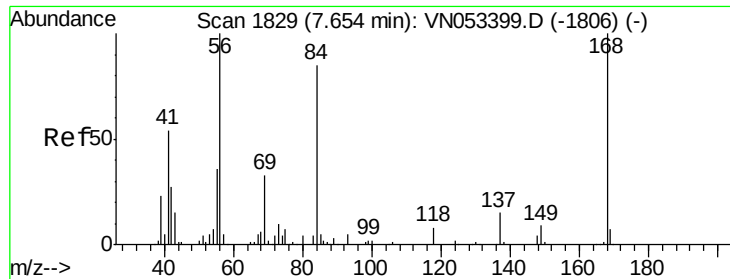
MMDadoda
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#30
Chloroform
Concen: 50.058 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.3	76.9





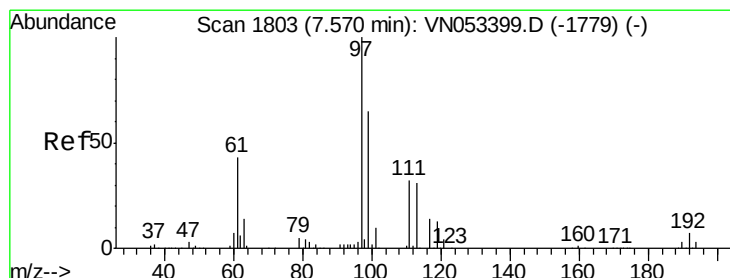
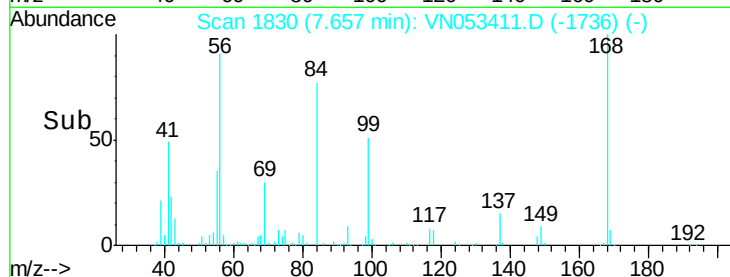
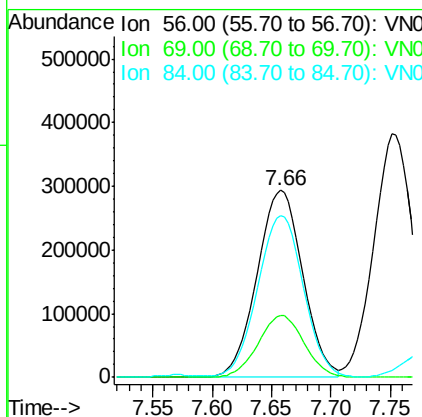
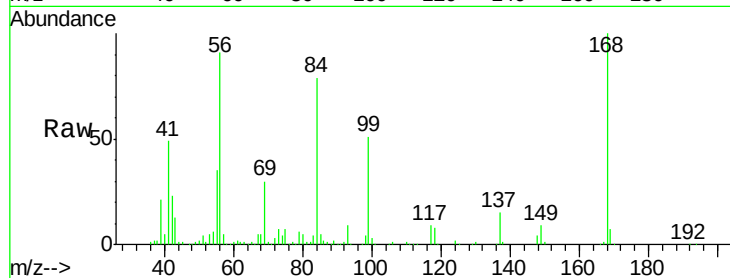
#31
Cyclohexane
Concen: 48.135 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.7	40.1
84	85.6	68.2	102.4

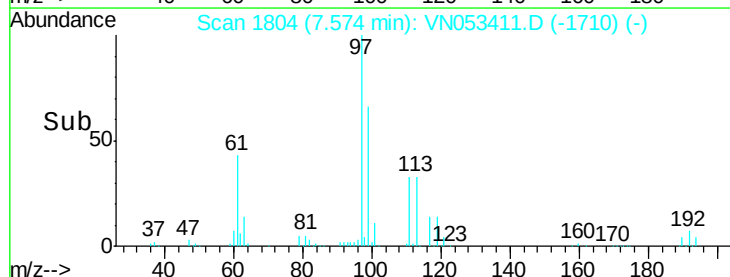
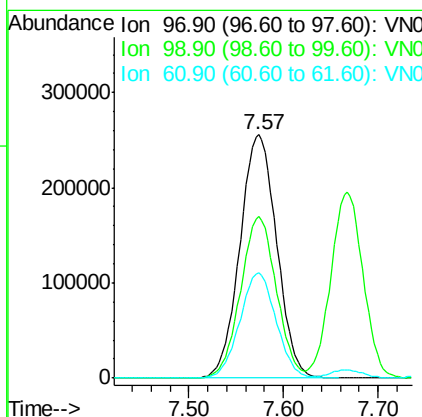
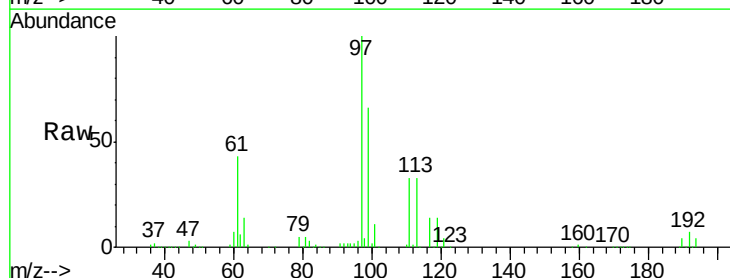
Manual Integrations
APPROVED

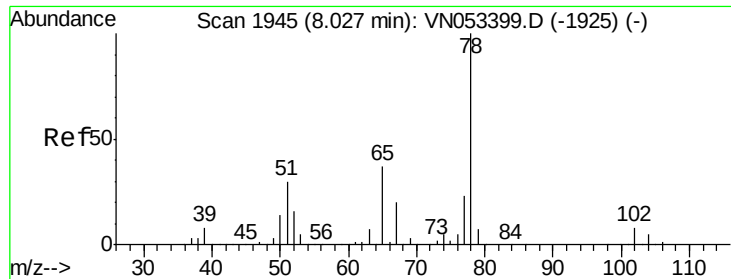
MMDadoda
1/16/2019 9:51:35 AM



#32
1,1,1-Trichloroethane
Concen: 50.002 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	42.7	34.6	52.0





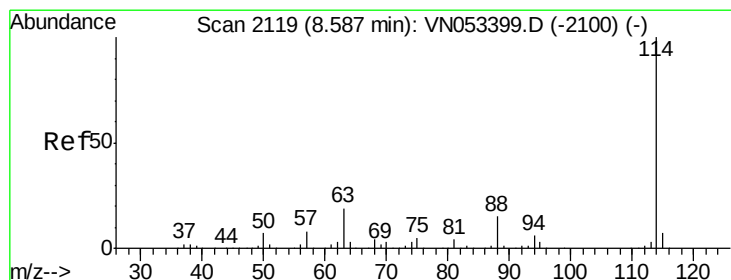
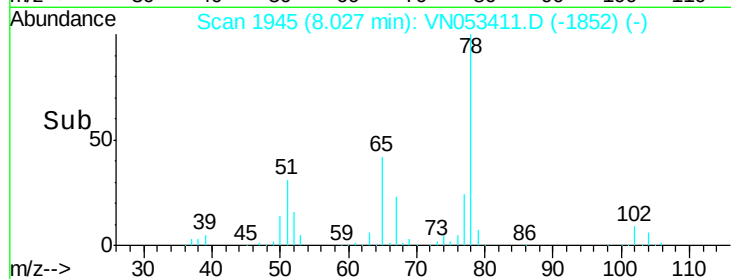
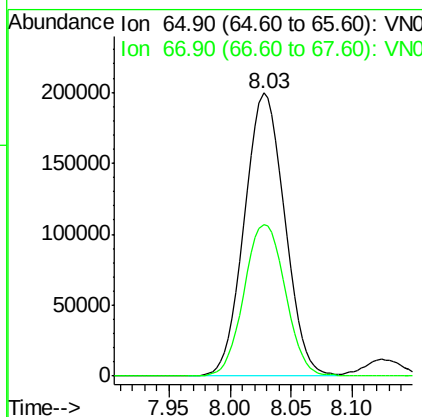
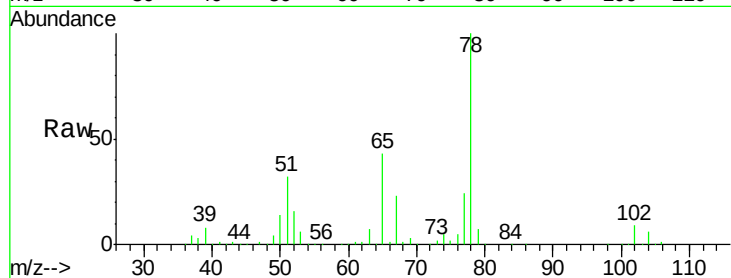
#33
 1,2-Dichloroethane-d4
 Concen: 50.002 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	457294		
67	54.8	0.0	111.0	

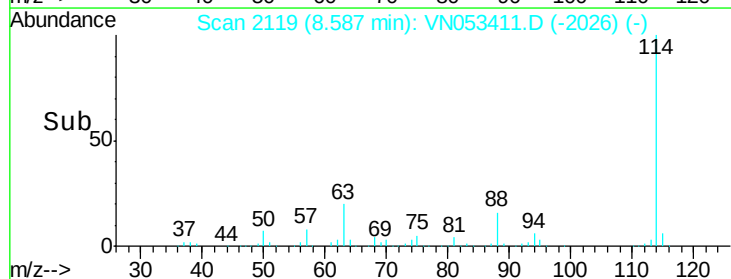
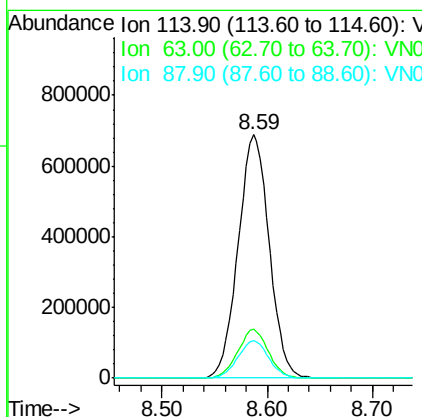
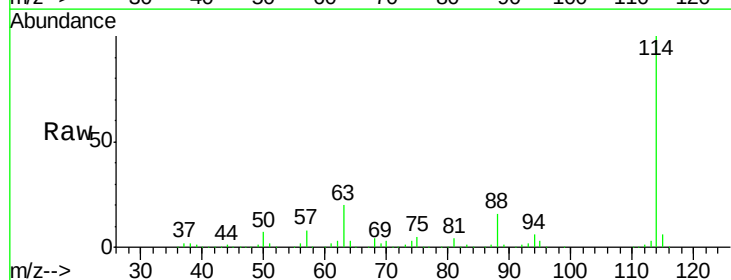
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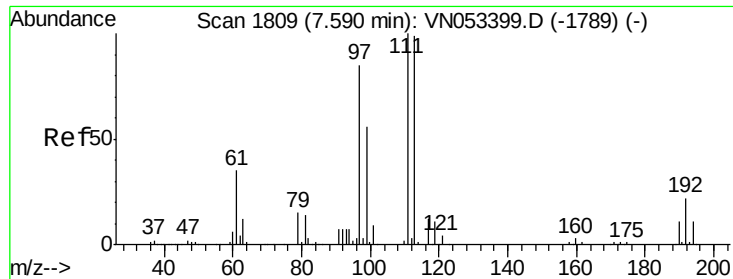
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1407916		
63	20.0	0.0	39.0	
88	15.6	0.0	30.8	





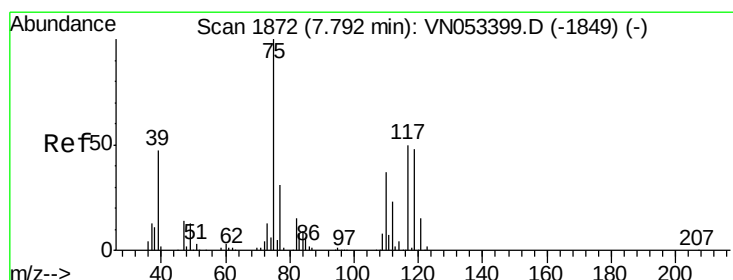
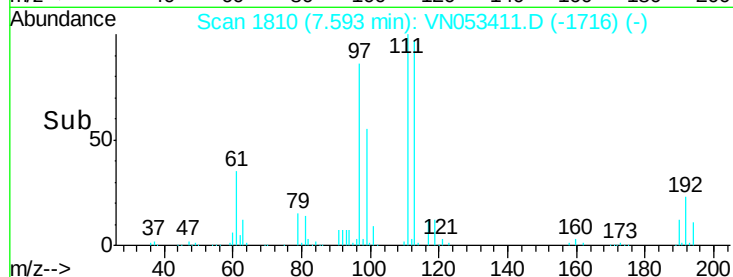
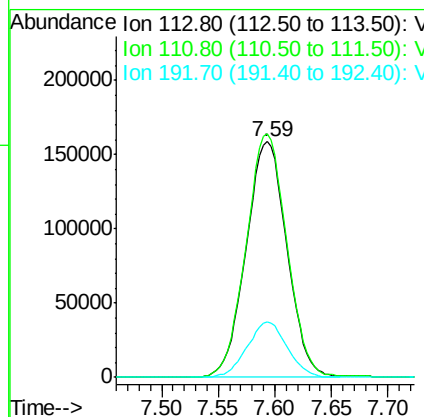
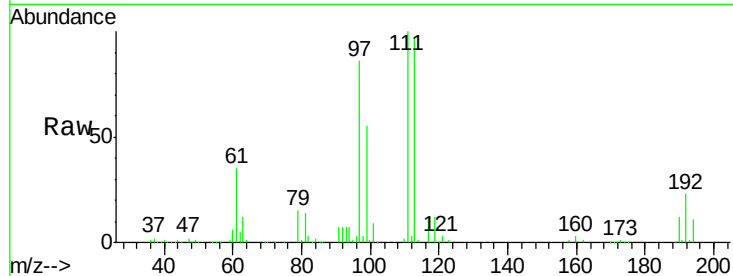
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	399252		
111	103.5	81.4	122.2	
192	23.1	17.9	26.9	

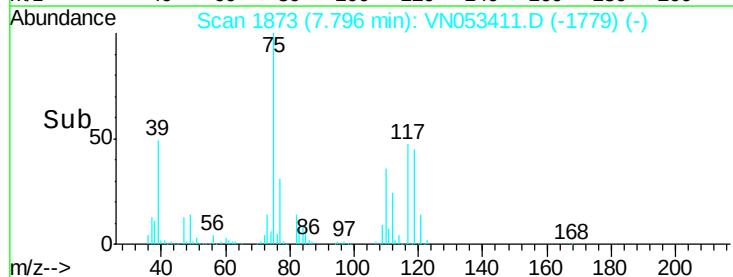
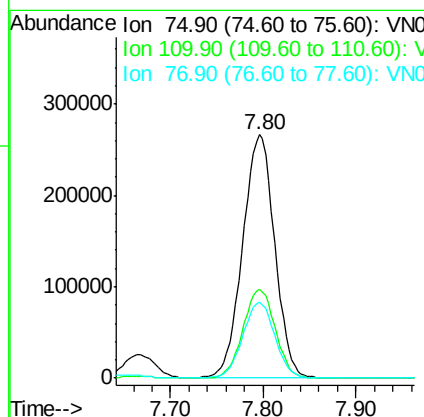
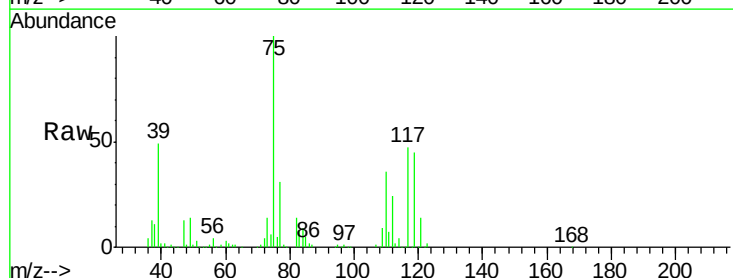
Manual Integrations
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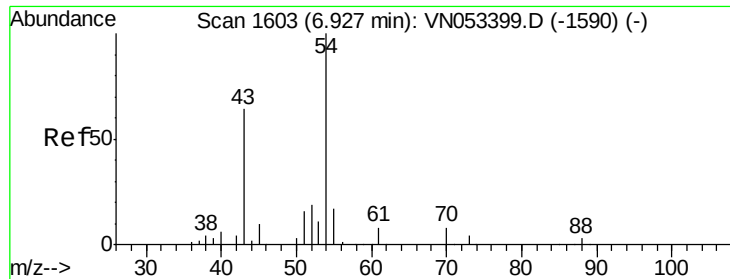
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.782 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	638309		
110	36.7	18.4	55.0	
77	31.4	25.3	37.9	





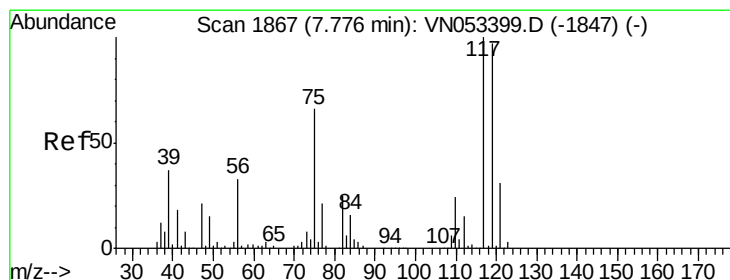
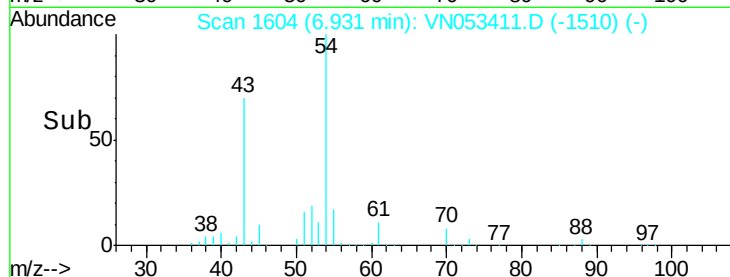
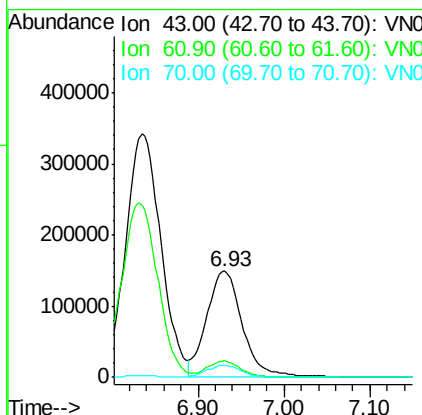
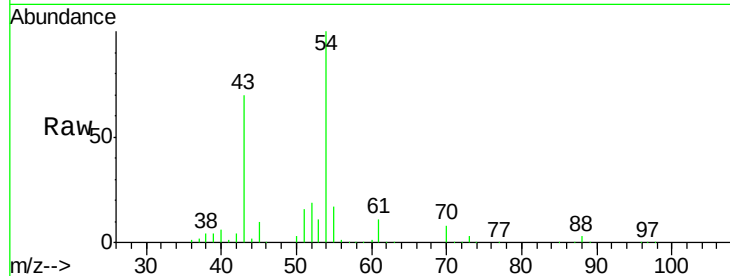
#37
Ethyl Acetate
Concen: 57.291 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	426139		
Ratio	100	14.7	11.0
Lower		11.9	8.6
Upper		17.9	13.0

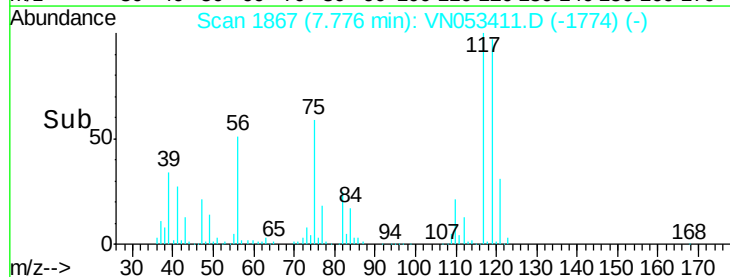
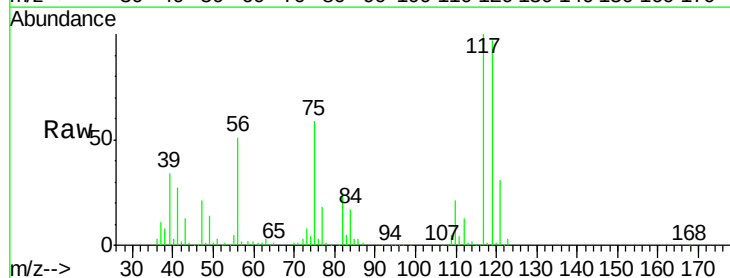
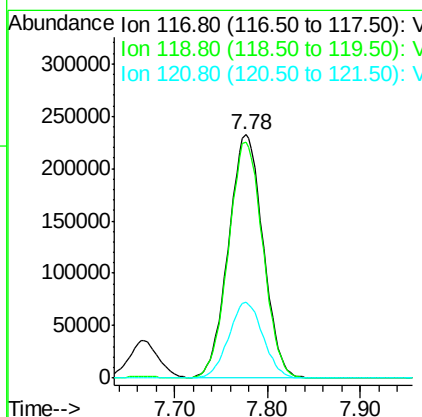
Manual Integrations
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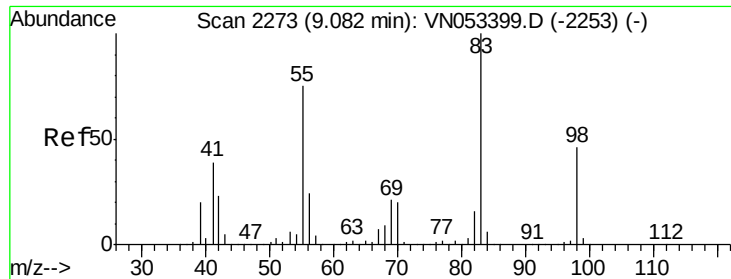
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#38
Carbon Tetrachloride
Concen: 49.436 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	117	119	121
Resp	600109		
Ratio	100	97.1	31.2
Lower		76.6	25.0
Upper		115.0	37.4





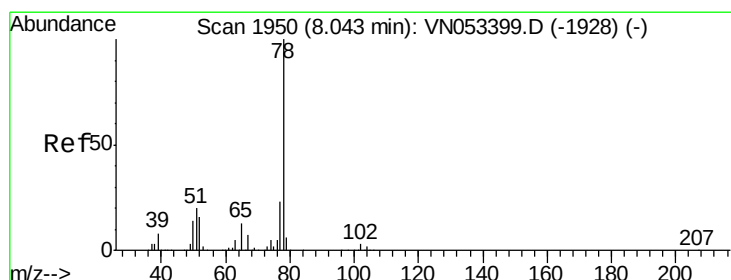
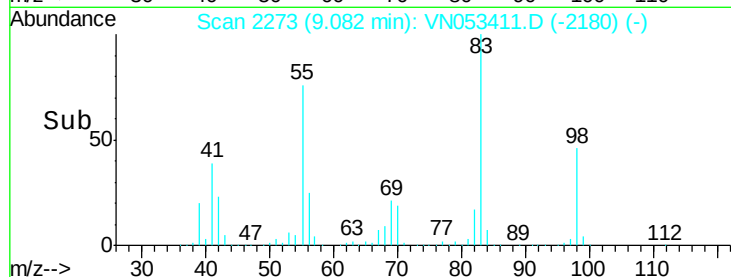
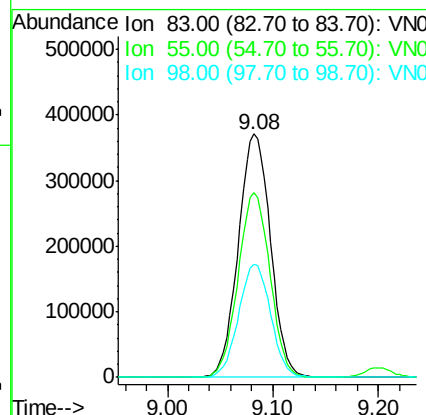
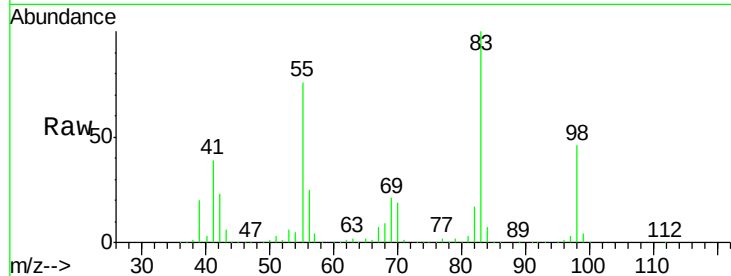
#39
Methylvlcyclohexane
Concen: 49.645 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.1	90.1
98	46.5	36.7	55.1

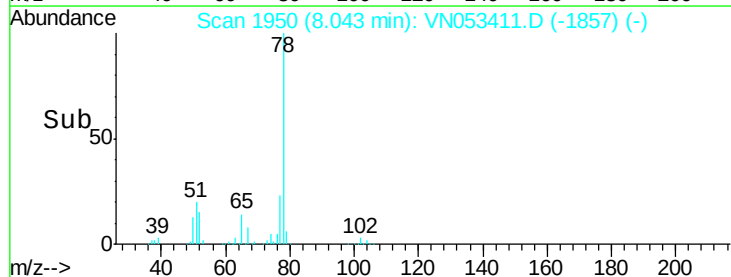
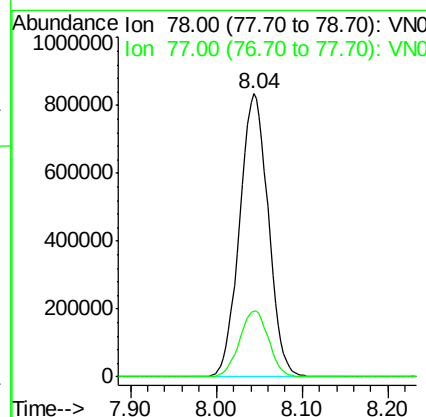
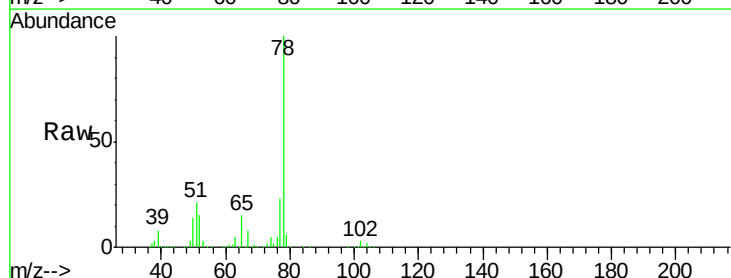
Manual Integrations
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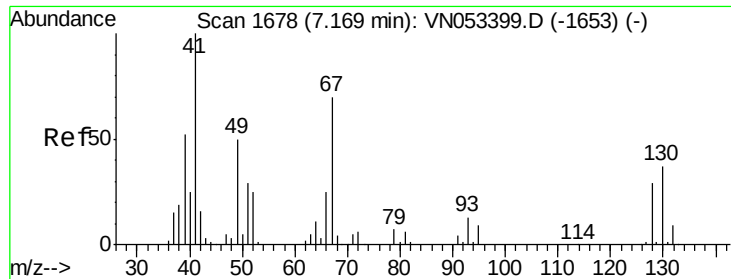
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#40
Benzene
Concen: 49.754 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





#41

Methacrylonitrile

Concen: 47.019 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 216266

Ion Ratio Lower Upper

41 100

39 63.9 0.0 0.0#

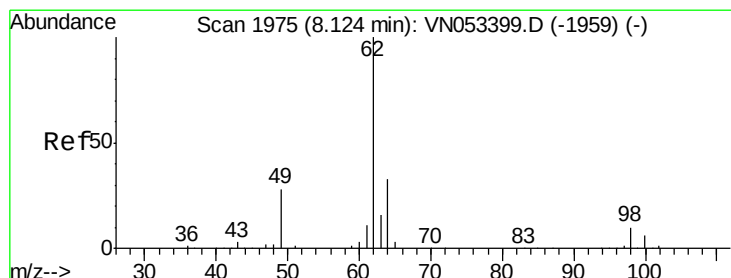
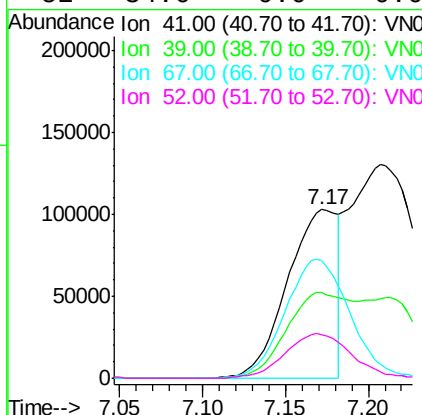
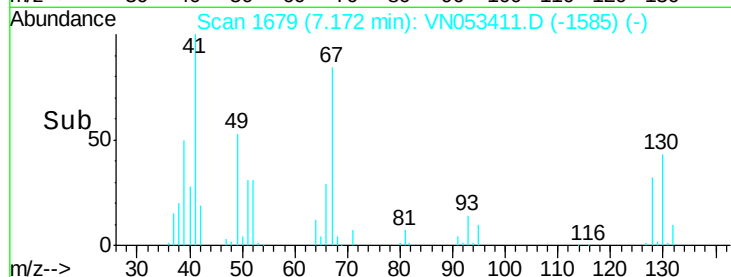
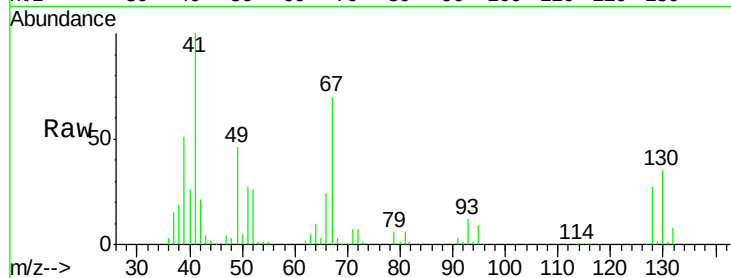
67 91.4 0.0 0.0#

52 34.6 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

1/16/2019 9:51:35 AM



#42

1,2-Dichloroethane

Concen: 49.624 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053411.D

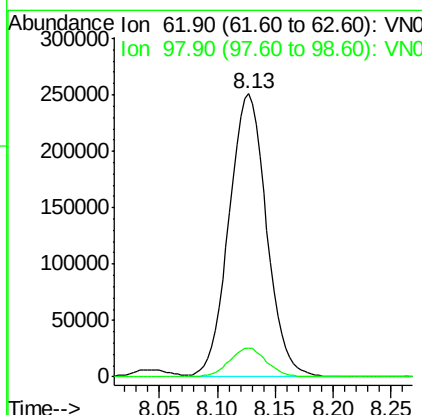
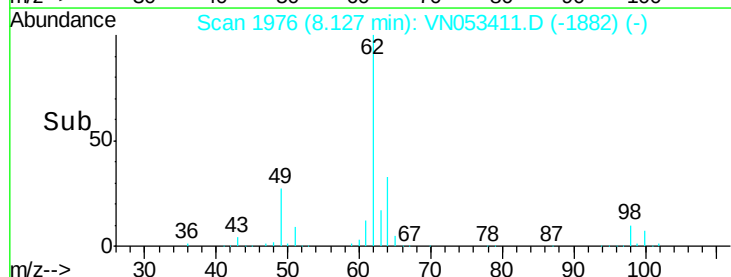
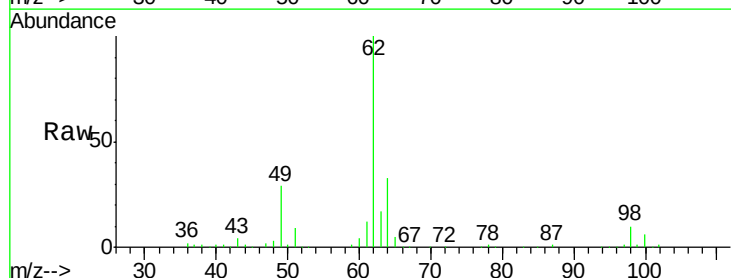
Acq: 15 Jan 2019 16:41

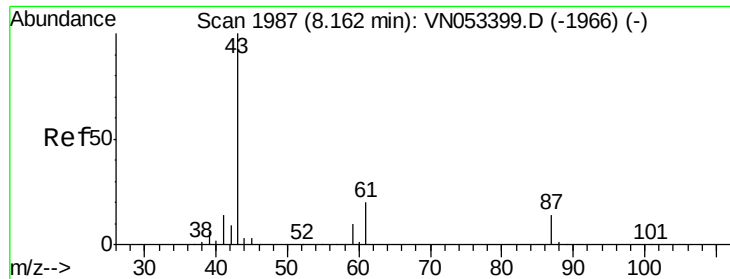
Tgt Ion: 62 Resp: 563299

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 54.483 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

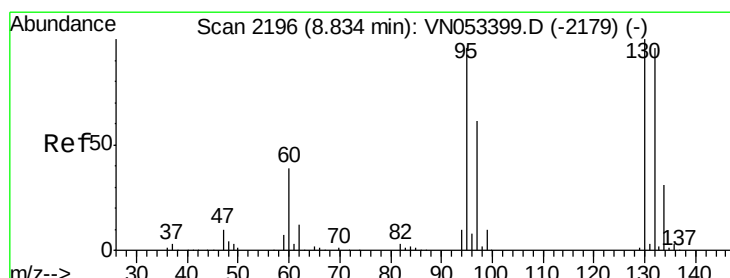
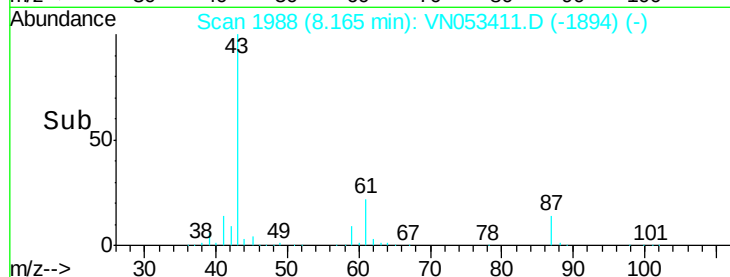
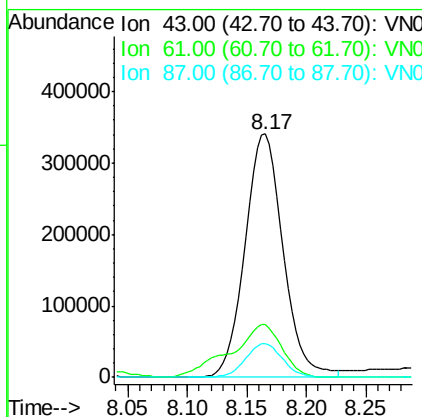
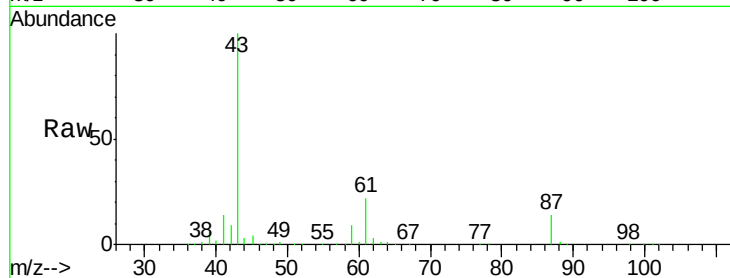
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	754637
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.3	34.9
87	13.6	10.8	16.2

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#44

Trichloroethene

Concen: 49.684 ug/l

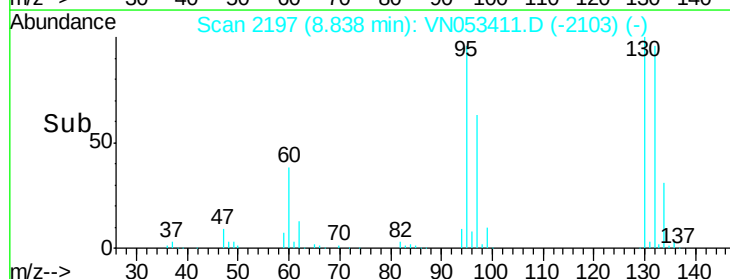
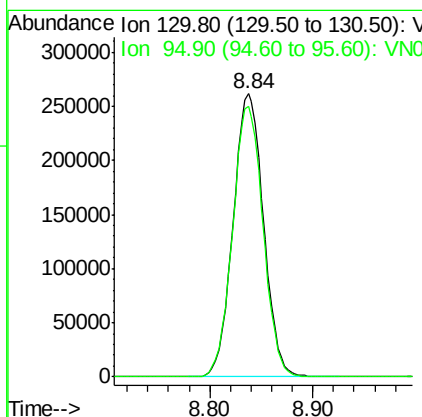
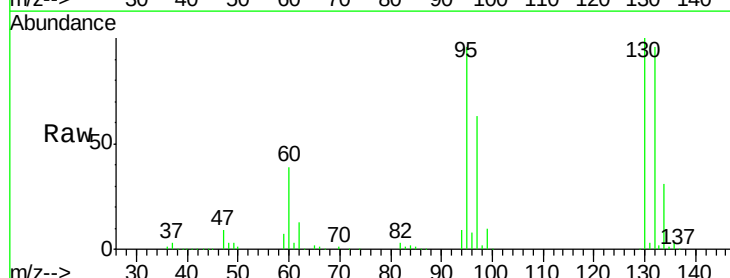
RT: 8.84 min Scan# 2197

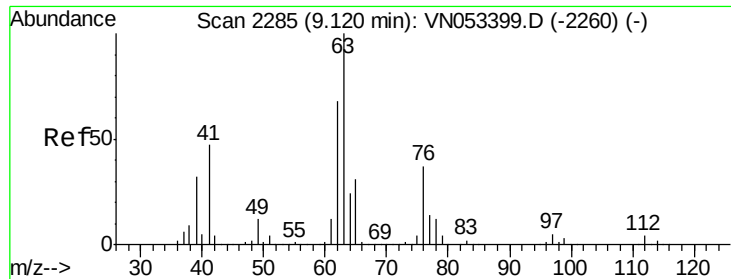
Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Tgt Ion:	130	Resp:	536854
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	191.8





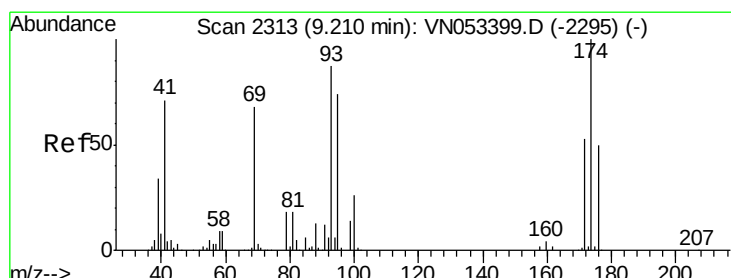
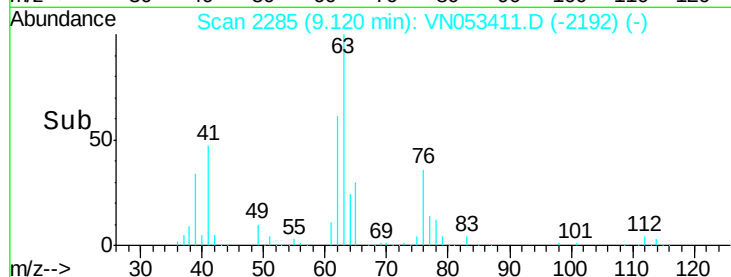
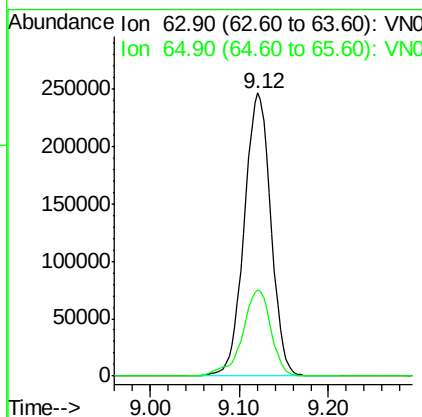
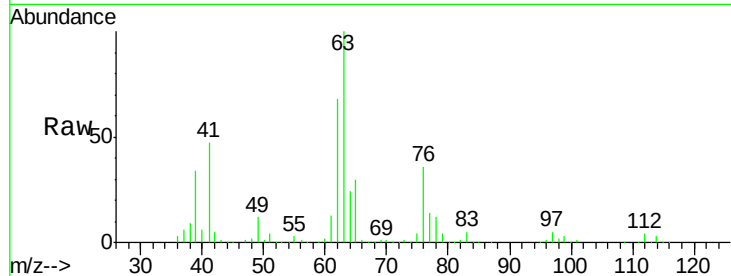
#45
 1,2-Dichloropropane
 Concen: 49.627 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 512170
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

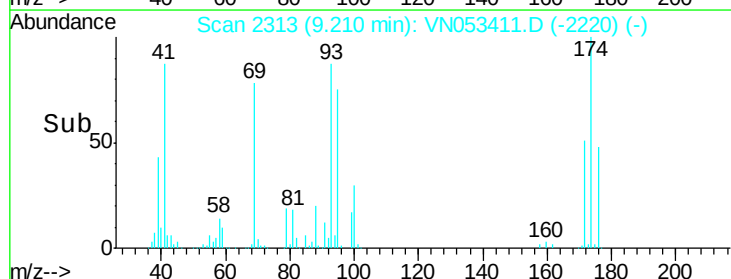
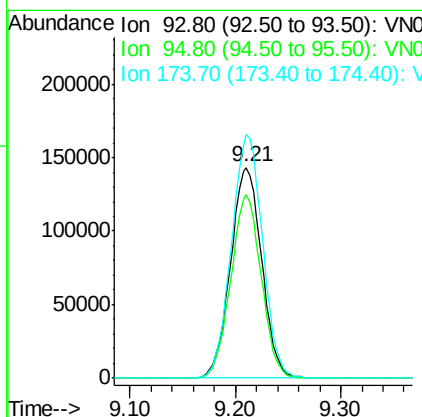
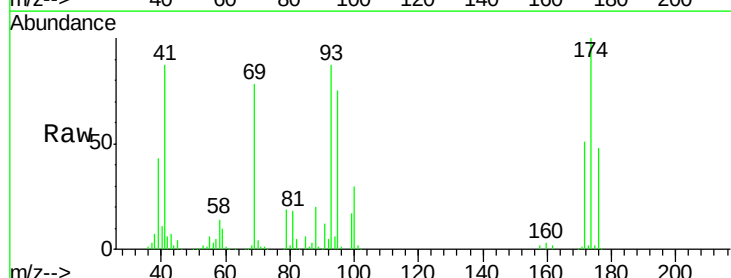
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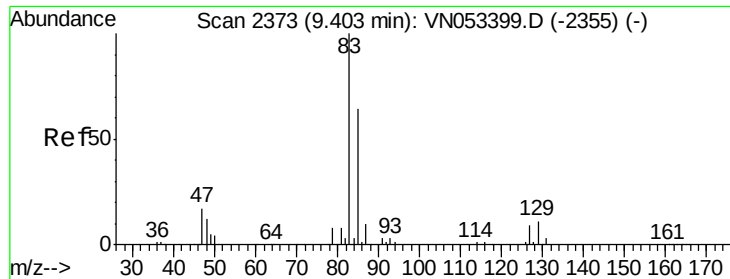
MMDadoda
 1/16/2019 9:51:35 AM



#46
 Dibromomethane
 Concen: 49.420 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 93 Resp: 293033
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.6 100.0
 174 115.6 91.4 137.0





#47

Bromodichloromethane

Concen: 49.370 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

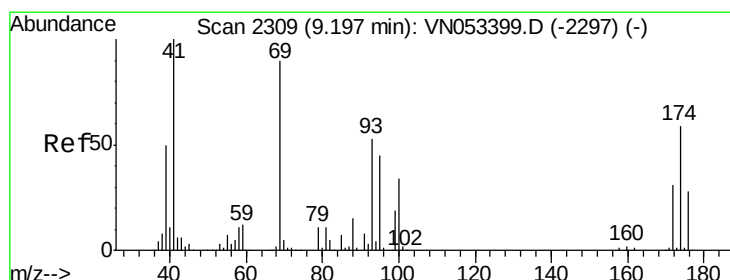
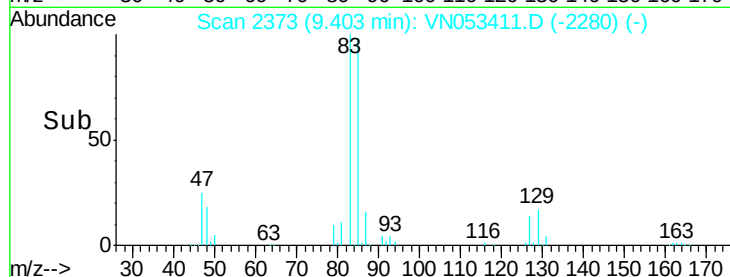
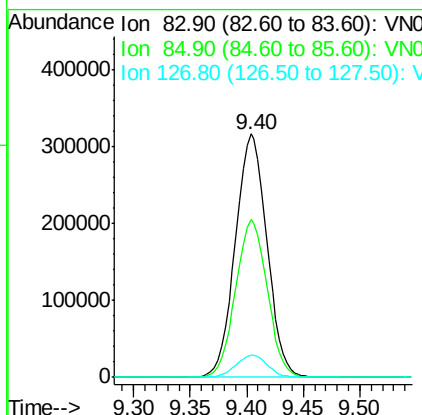
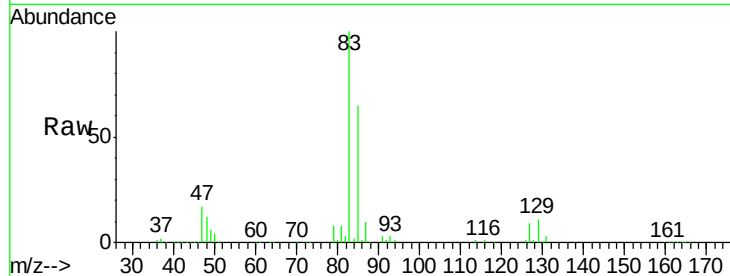
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	615616
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.7	77.5
127	8.9	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.858 ug/l

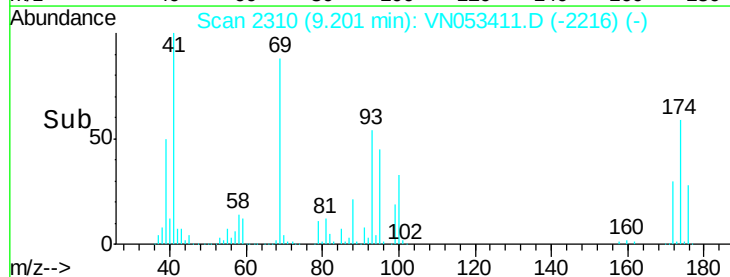
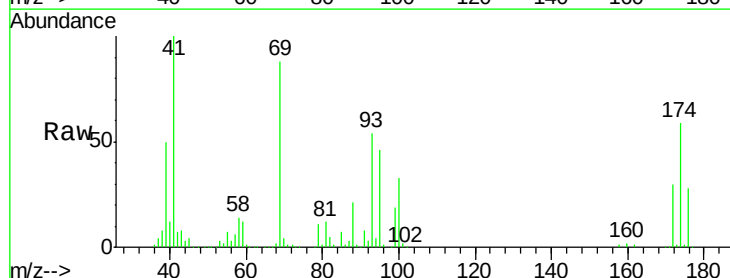
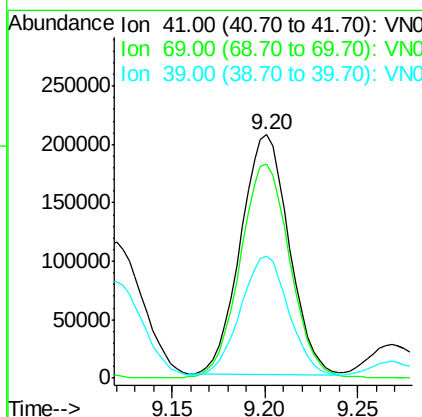
RT: 9.20 min Scan# 2310

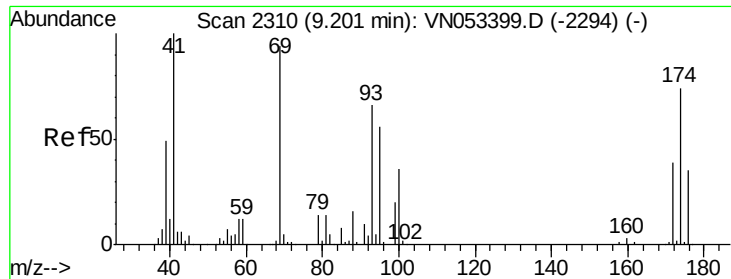
Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Tgt Ion:	41	Resp:	375710
Ion Ratio	Lower	Upper	
41	100		
69	91.6	73.5	110.3
39	51.9	41.6	62.4





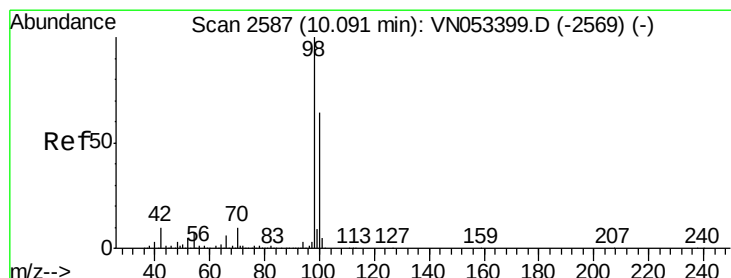
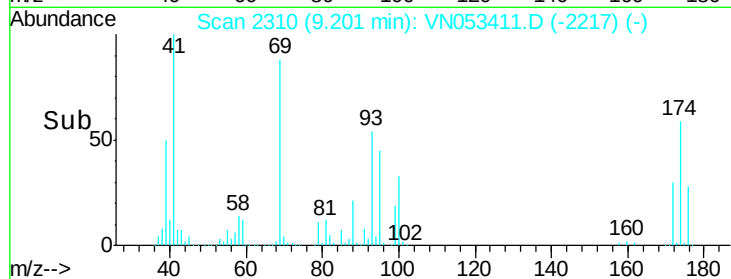
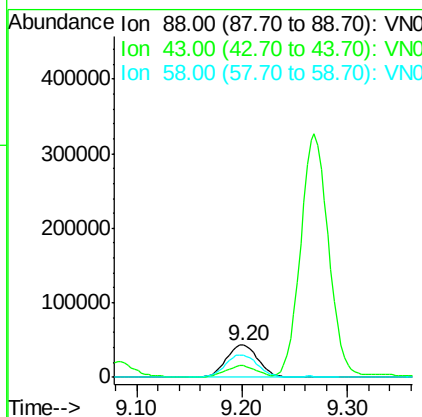
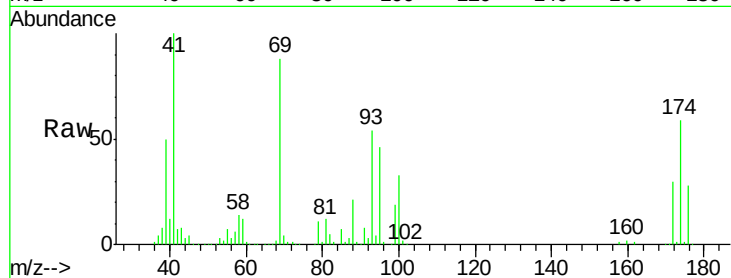
#49
1,4-Dioxane
Concen: 1360.667 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	91011
Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.2	39.4
58	70.1	55.5	83.3

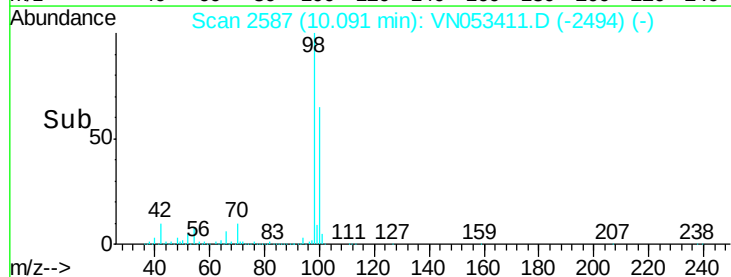
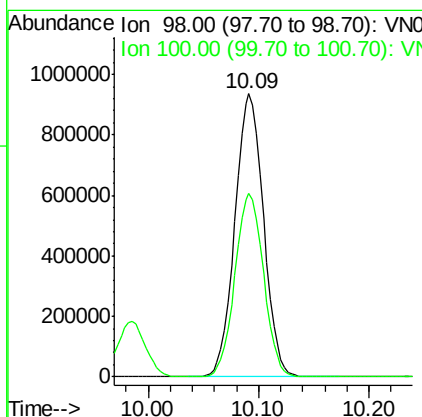
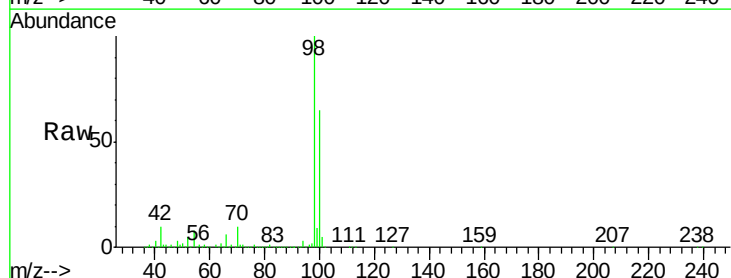
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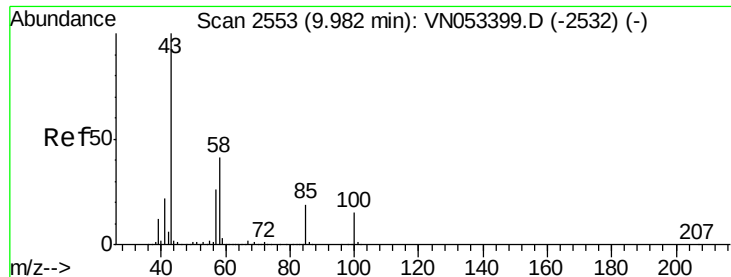
MMDadoda
1/16/2019 9:51:35 AM



#50
Toluene-d8
Concen: 1360.667 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	98	Resp	1678849
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.5	77.3





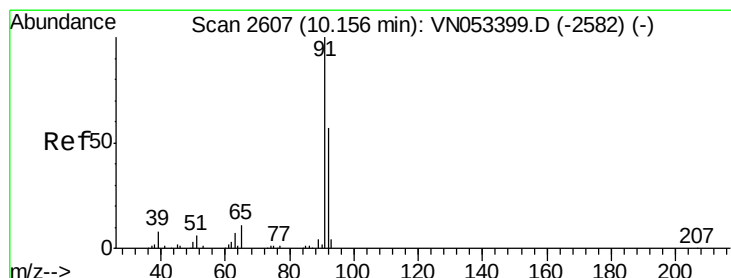
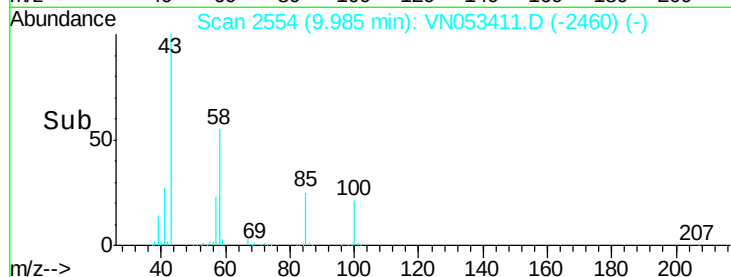
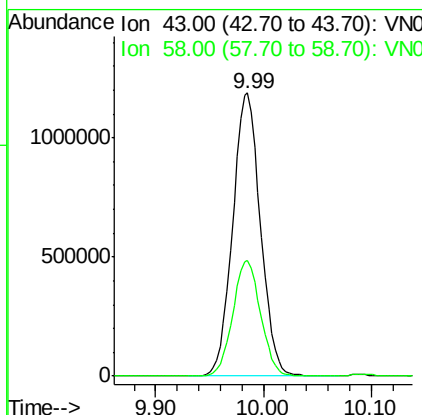
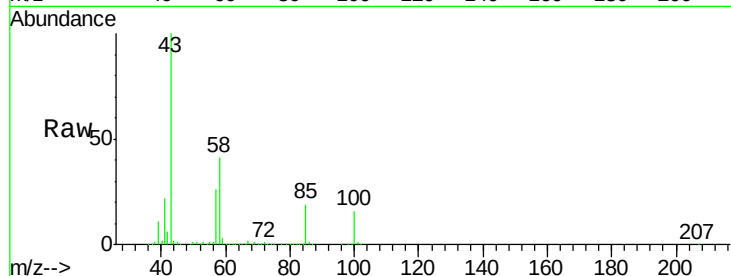
#51
4-Methyl-2-Pentanone
Concen: 293.557 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2125662
Ion Ratio Lower Upper
43 100
58 41.0 32.7 49.1

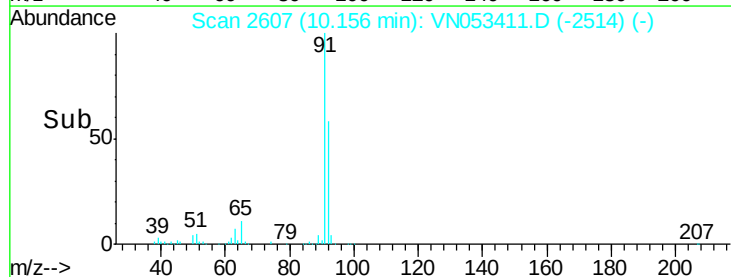
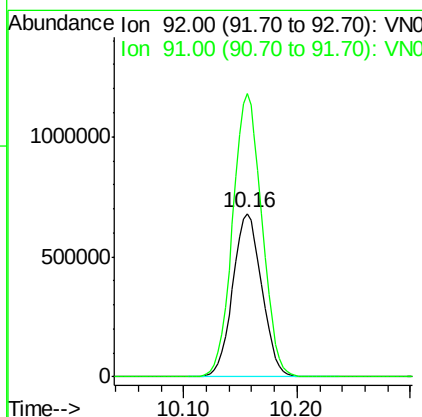
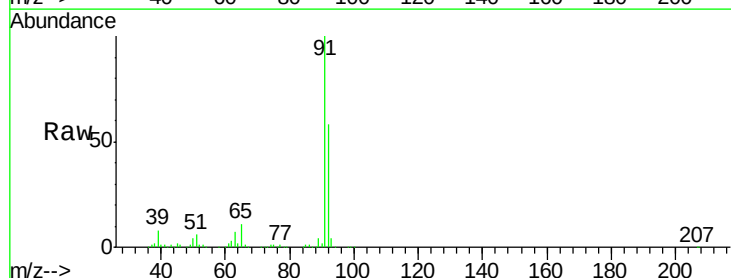
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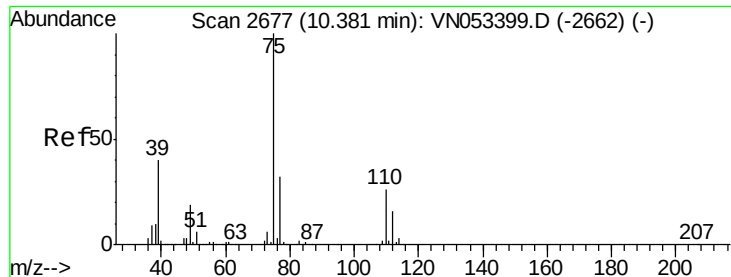
MMDadoda
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#52
Toluene
Concen: 50.208 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 92 Resp: 1214522
Ion Ratio Lower Upper
92 100
91 174.3 138.6 208.0





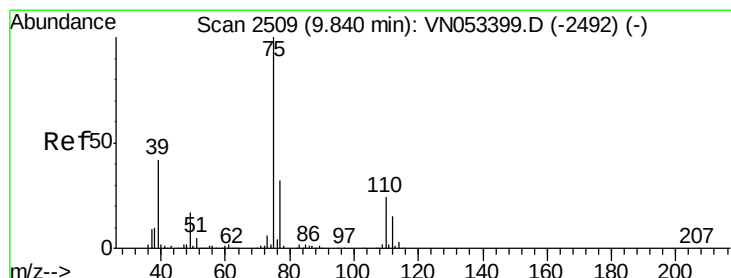
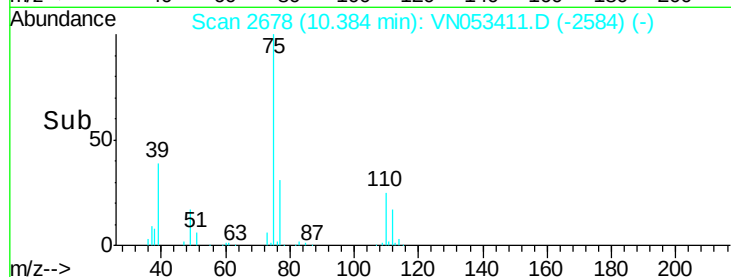
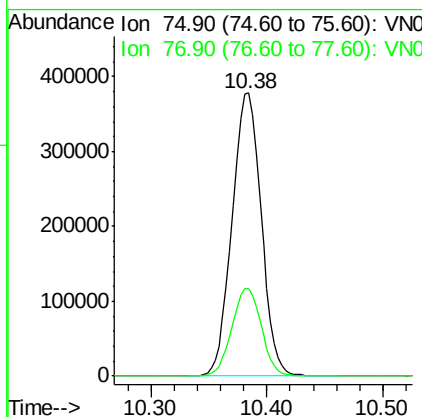
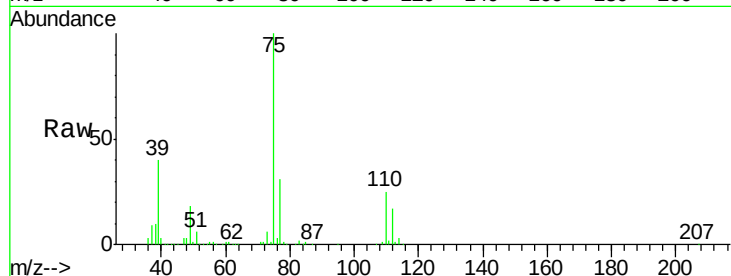
#53
t-1,3-Dichloropropene
Concen: 52.009 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 657342
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.4

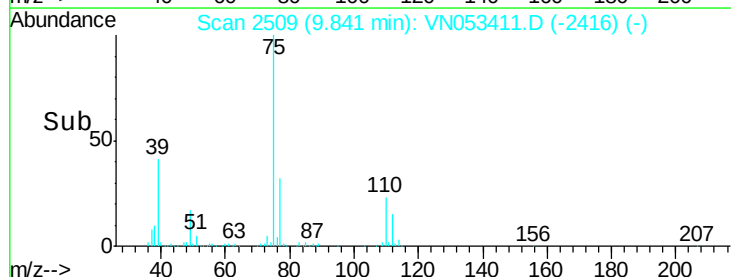
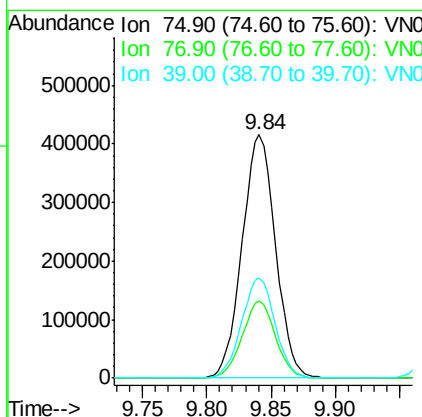
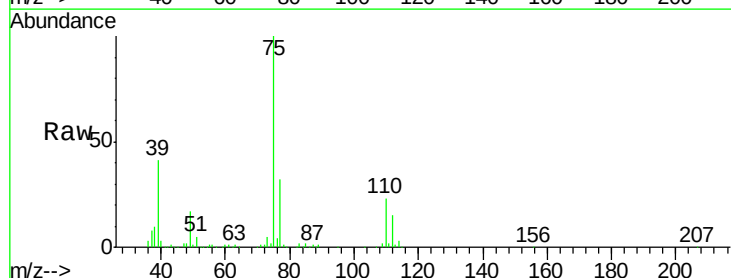
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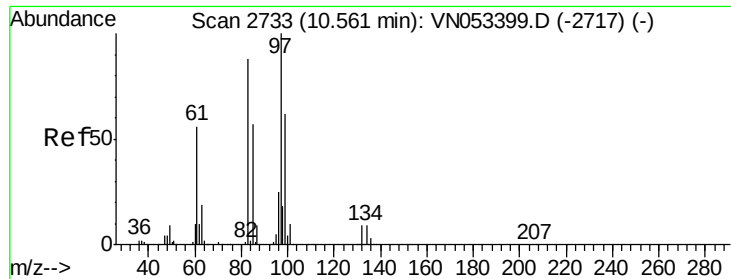
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.779 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 75 Resp: 752349
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7
39 41.3 33.1 49.7





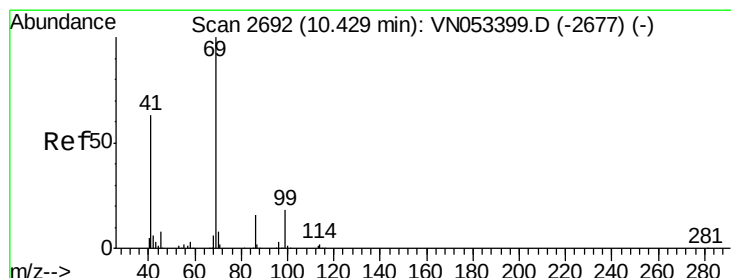
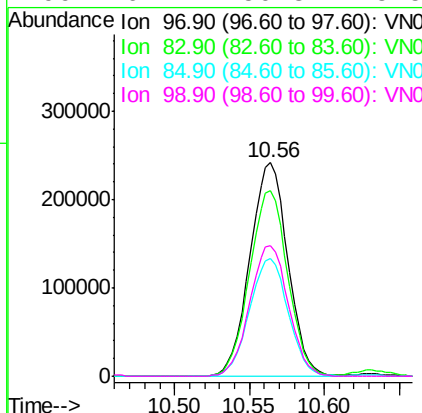
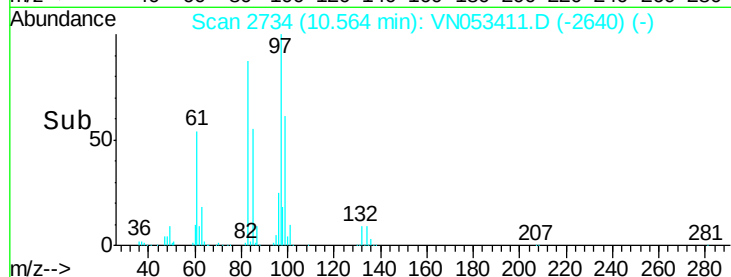
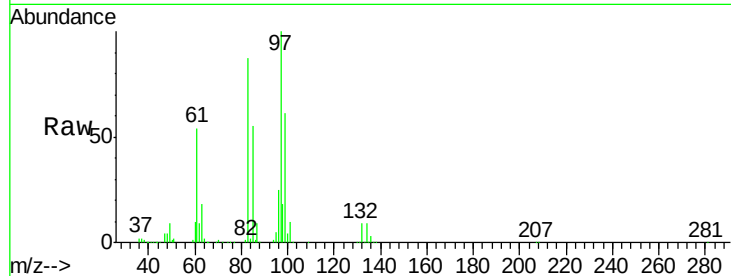
#55
 1,1,2-Trichloroethane
 Concen: 51.045 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		425700		
83	86.9	69.1	103.7		
85	54.9	44.2	66.4		
99	61.4	50.3	75.5		

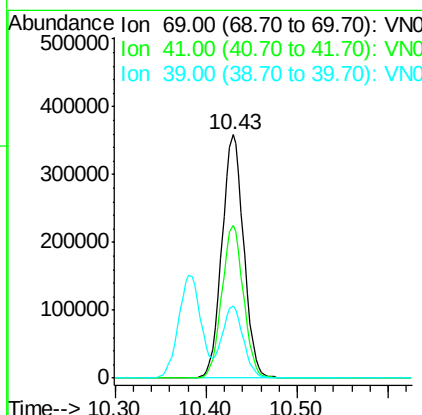
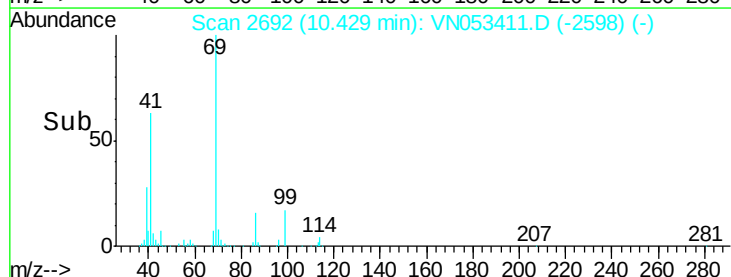
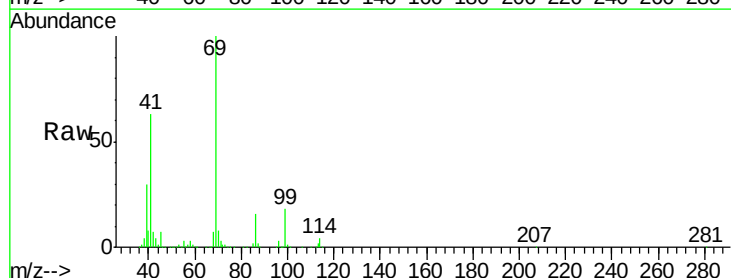
Manual Integrations
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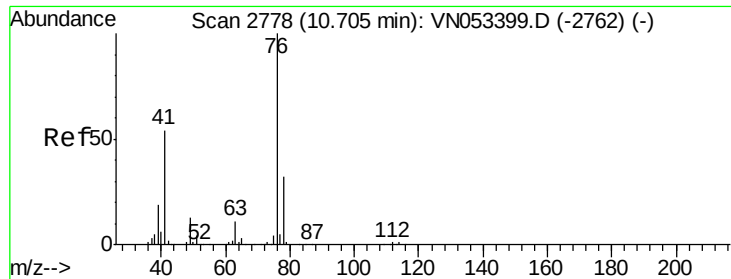
MMDadoda
 1/16/2019 9:51:35 AM



#56
 Ethyl methacrylate
 Concen: 50.312 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		595624		
41	62.0	49.2	73.8		
39	29.2	23.4	35.0		





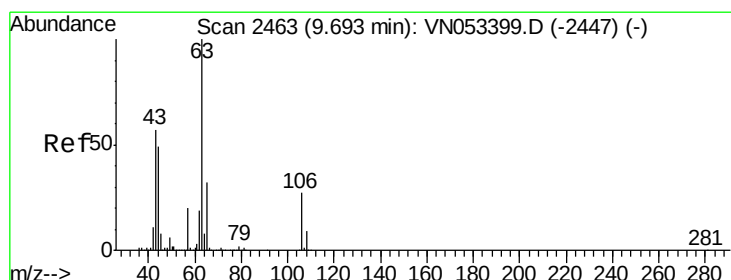
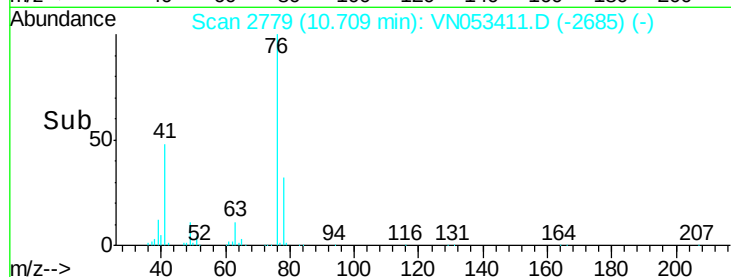
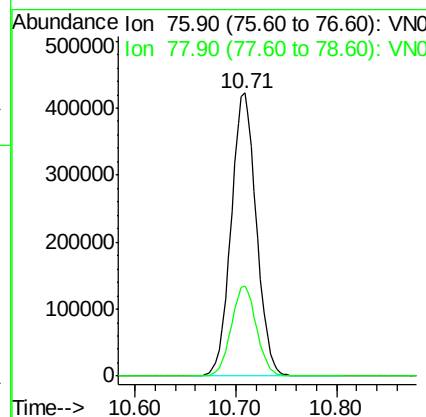
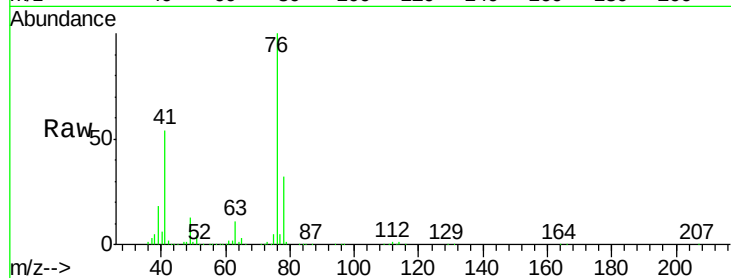
#57
 1,3-Dichloropropane
 Concen: 51.037 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 736306
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

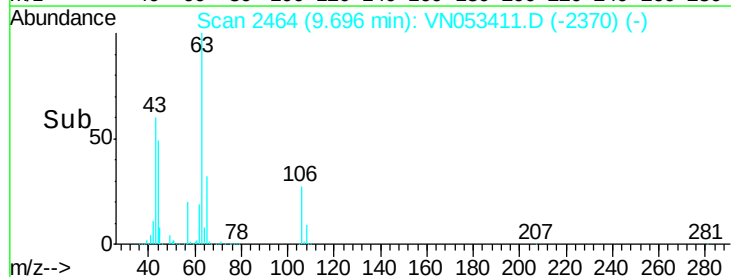
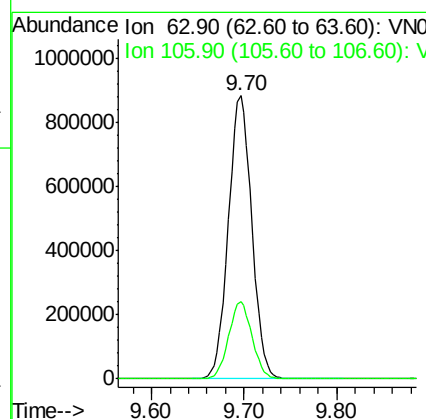
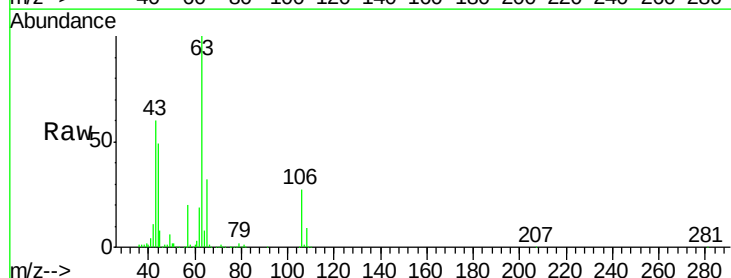
Manual Integrations
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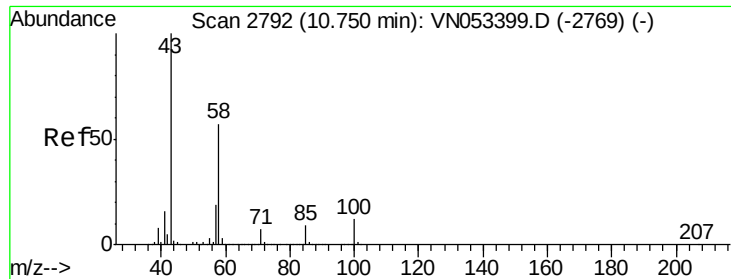
MMDadoda
 1/16/2019 9:51:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.022 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 63 Resp: 1546235
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





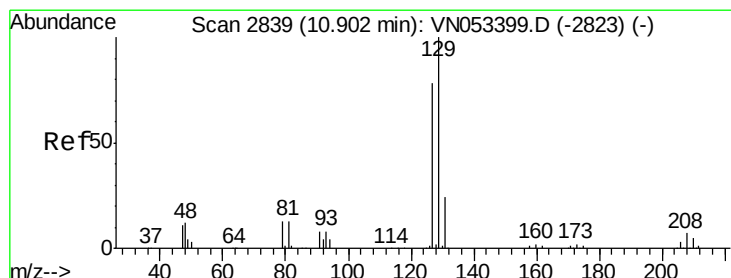
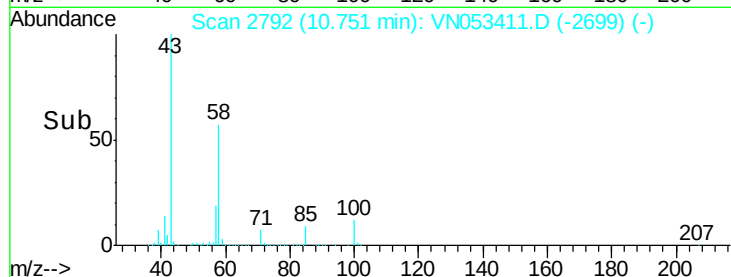
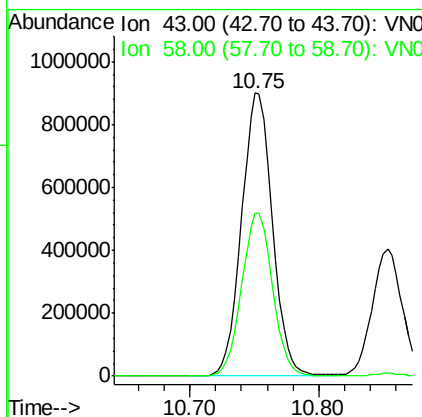
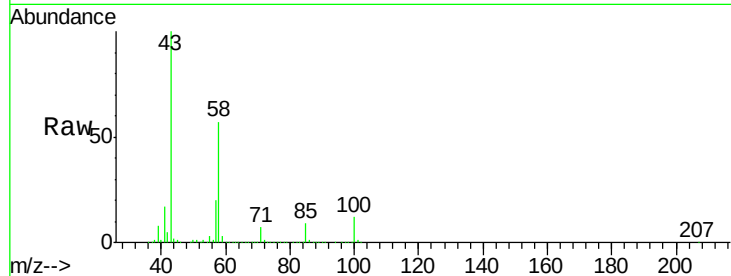
#59
2-Hexanone
Concen: 294.866 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1498841
Ion Ratio Lower Upper
43 100
58 57.8 28.3 85.0

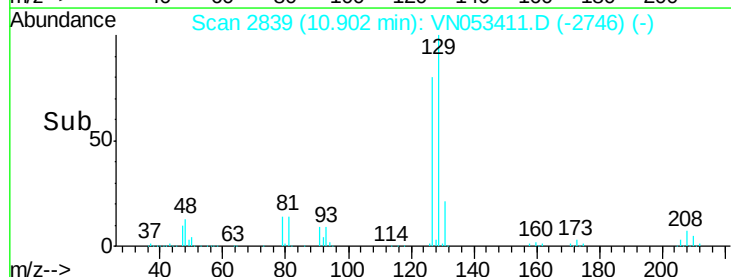
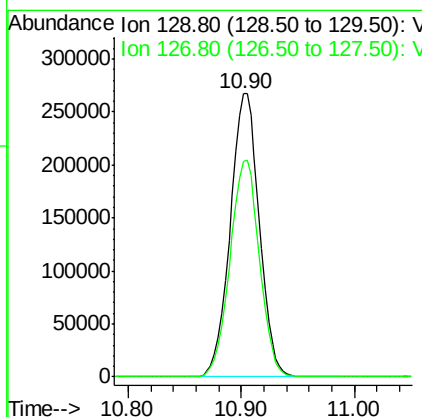
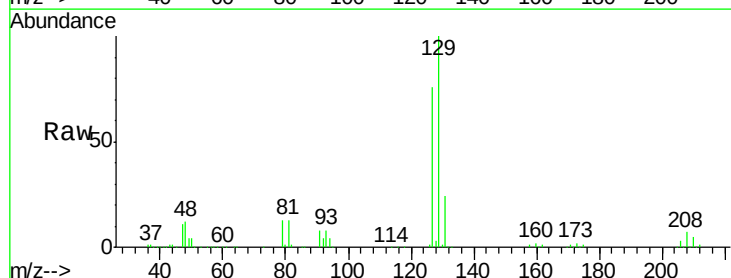
Manual Integrations
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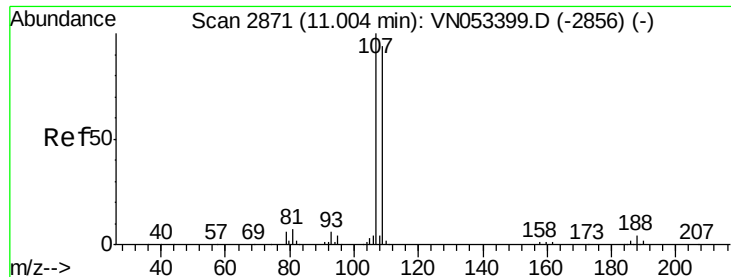
MMDadoda
1/16/2019 9:51:35 AM



#60
Dibromochloromethane
Concen: 50.429 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 129 Resp: 477007
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2





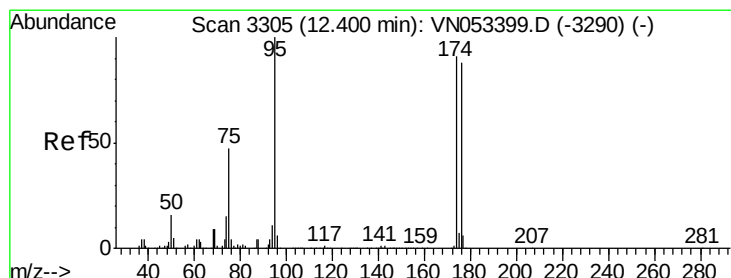
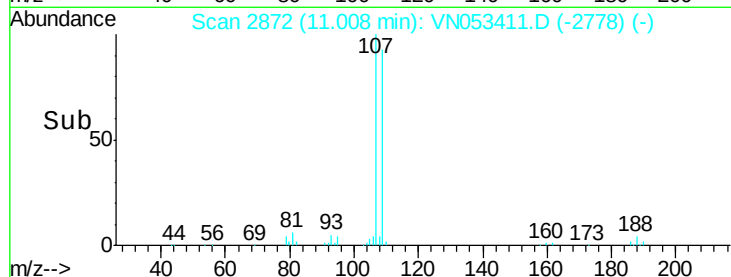
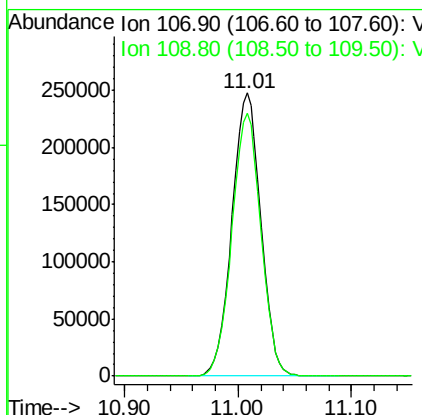
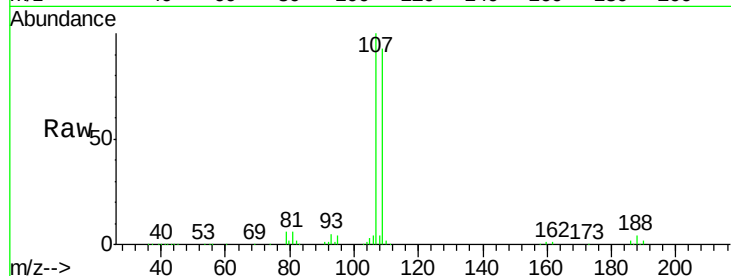
#61
1,2-Dibromoethane
Concen: 52.128 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

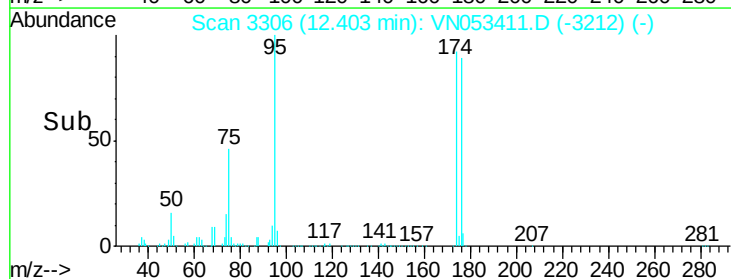
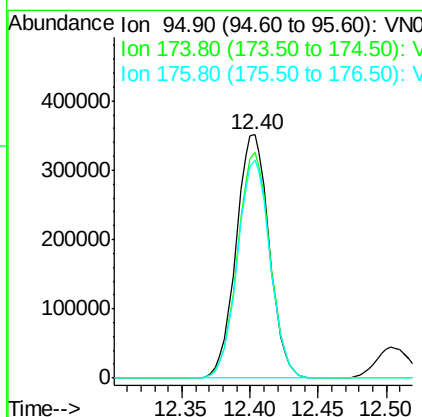
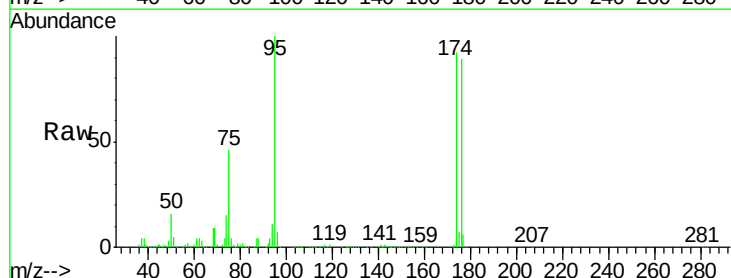
Manual Integrations
APPROVED

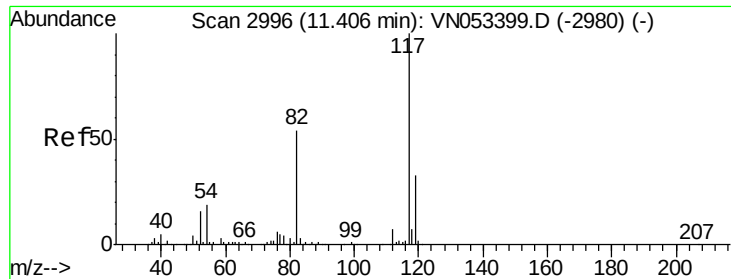
MMDadoda
1/16/2019 9:51:35 AM



#62
4-Bromofluorobenzene
Concen: 52.128 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	180.4
176	88.3	0.0	175.6





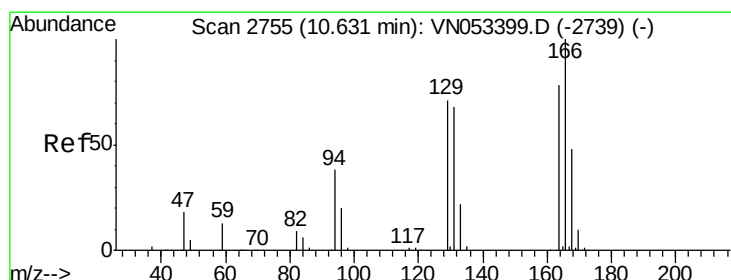
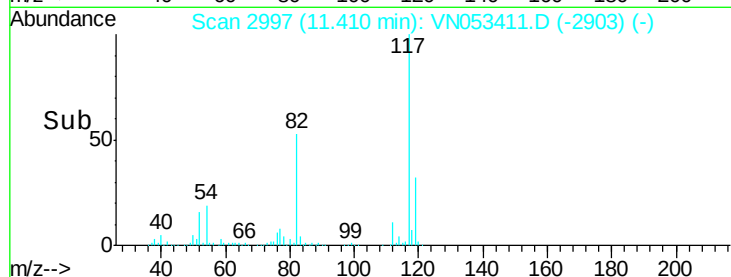
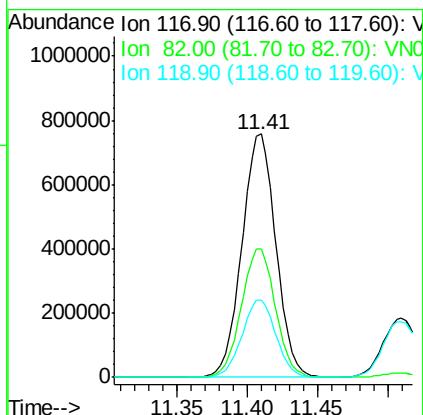
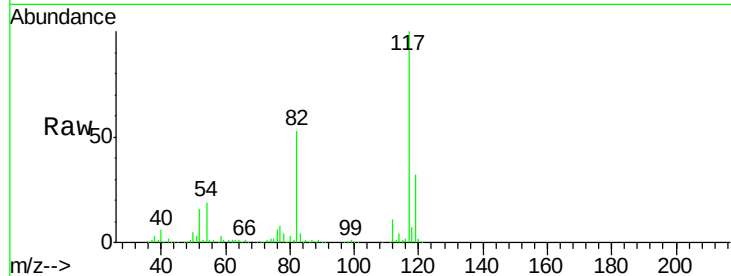
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.9	64.3
119	31.9	25.6	38.4

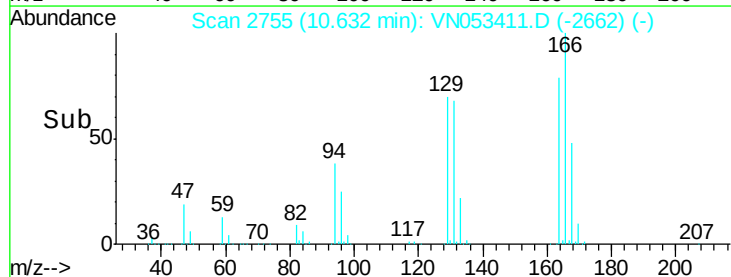
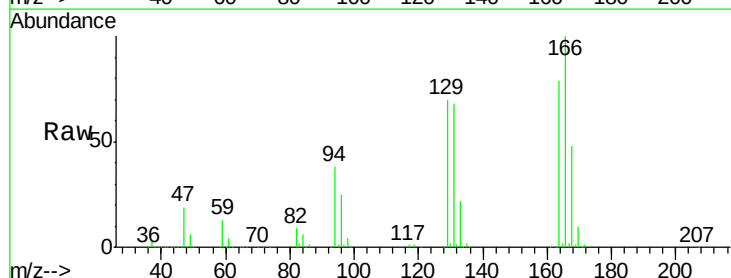
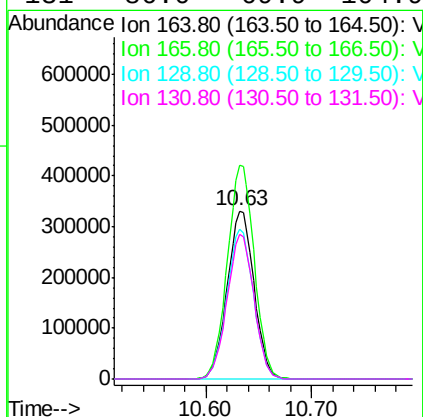
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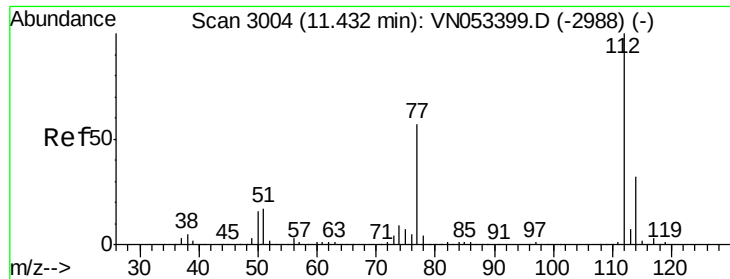
MMDadoda
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#64
Tetrachloroethene
Concen: 47.990 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.7	152.5
129	89.4	72.1	108.1
131	86.0	69.9	104.9





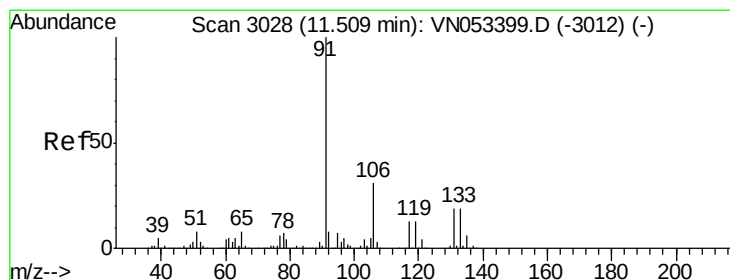
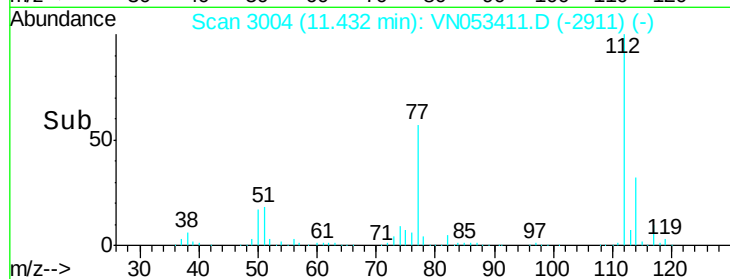
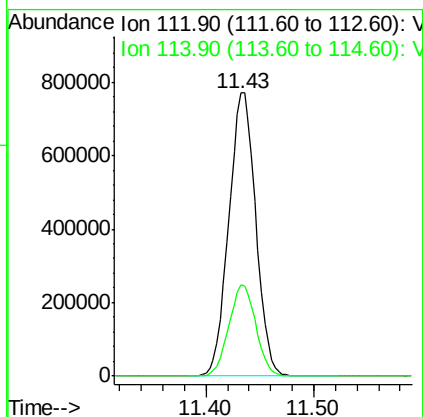
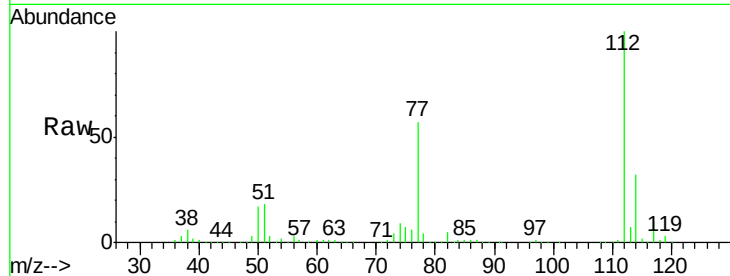
#65
Chlorobenzene
Concen: 49.615 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1343844
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

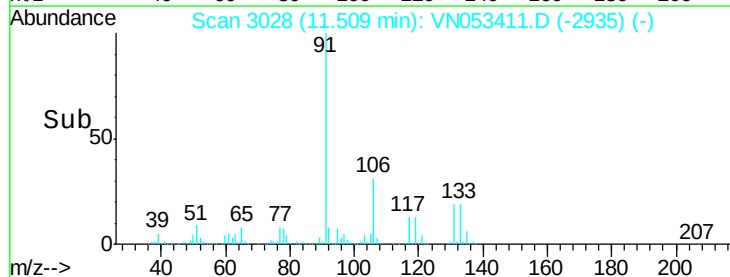
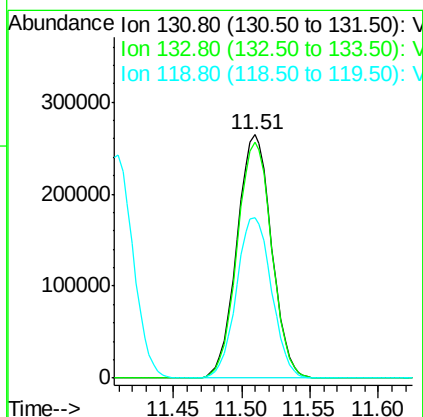
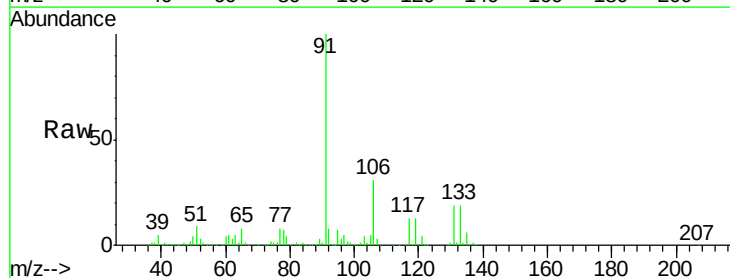
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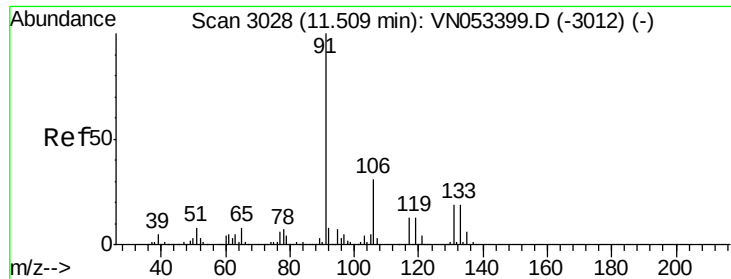
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.507 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion:131 Resp: 466484
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.0
119 66.6 33.3 99.9





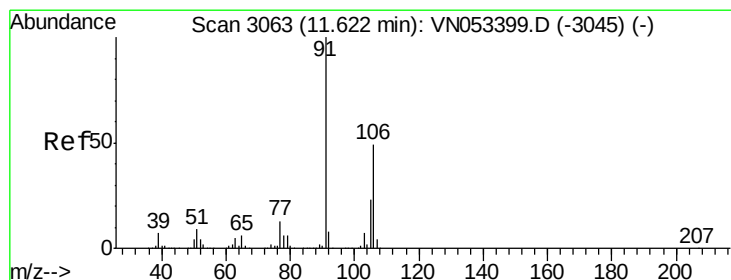
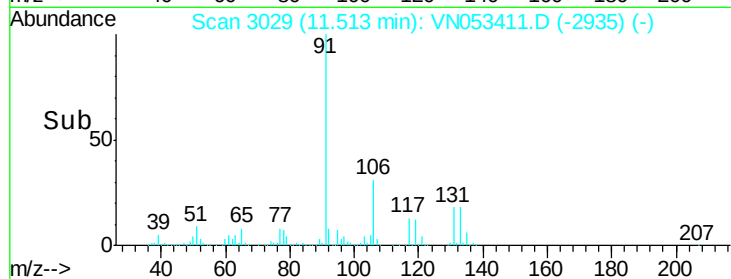
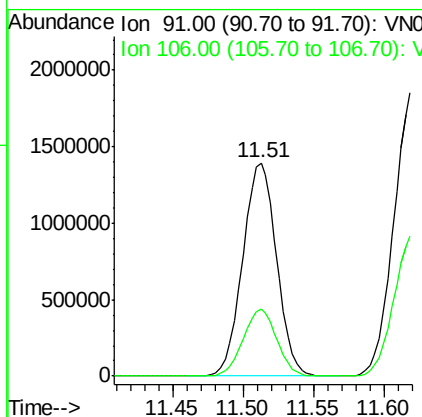
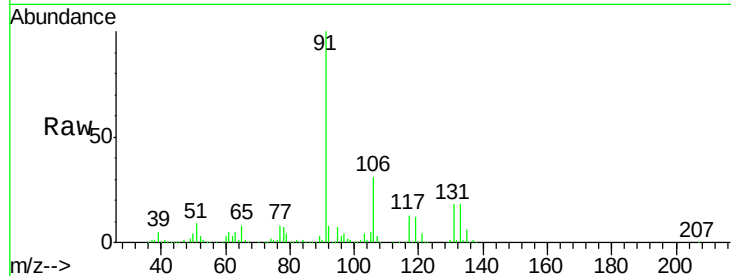
#67
Ethyl Benzene
Concen: 50.729 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2341642
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

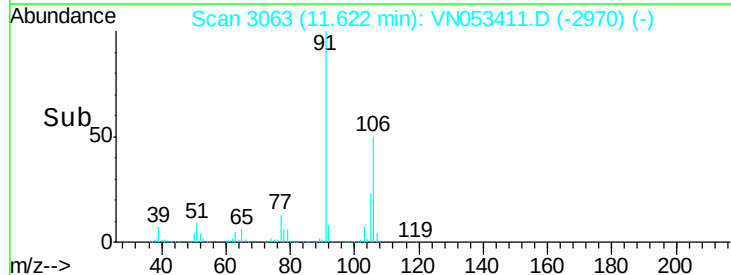
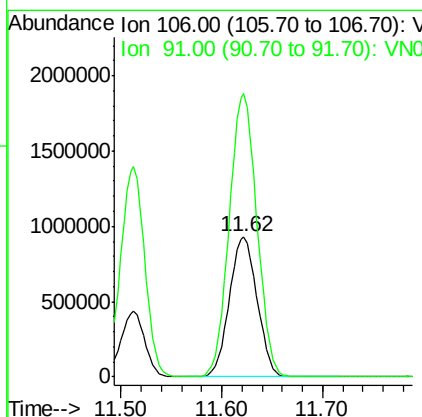
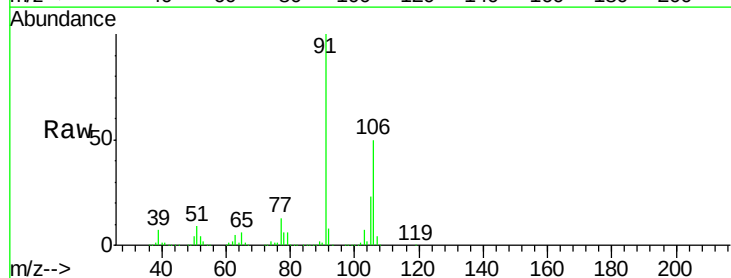
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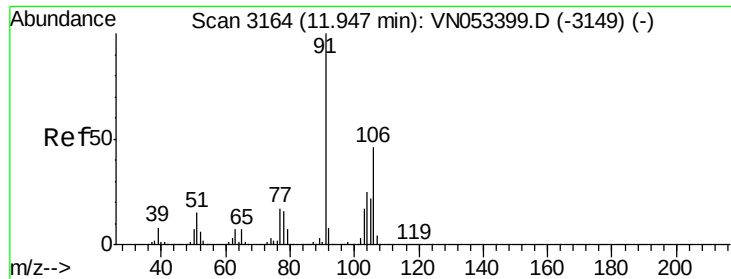
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#68
m/p-Xylenes
Concen: 102.278 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 106 Resp: 1782505
Ion Ratio Lower Upper
106 100
91 200.7 161.4 242.2





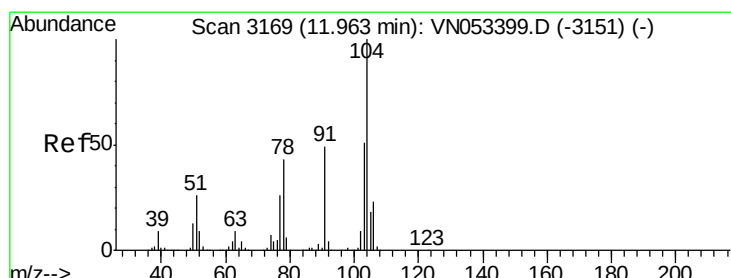
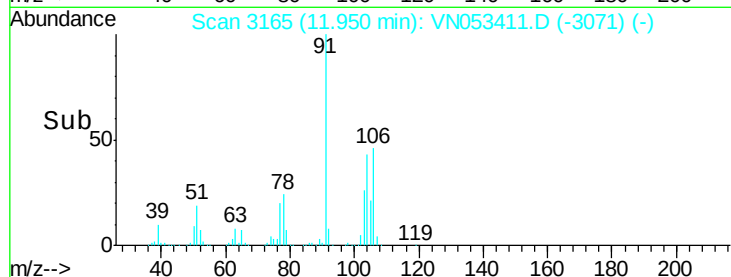
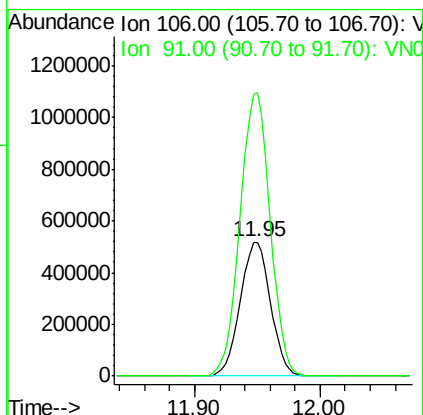
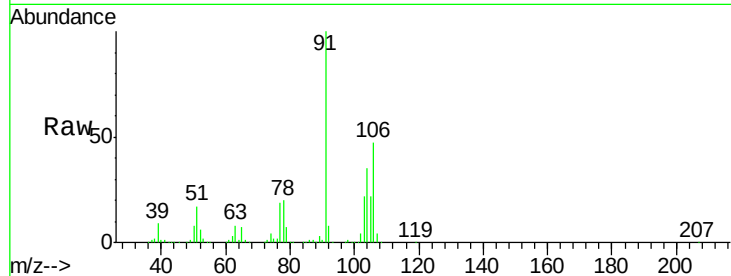
#69
o-Xylene
Concen: 51.241 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 867740
Ion Ratio Lower Upper
106 100
91 211.4 106.8 320.4

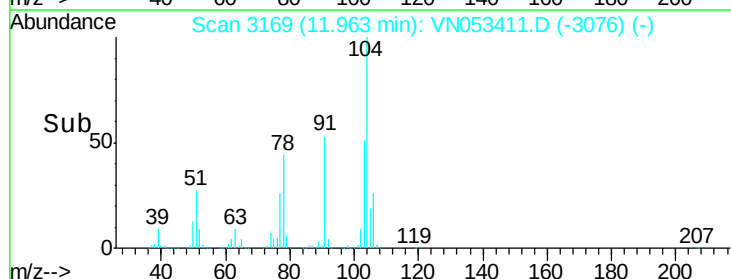
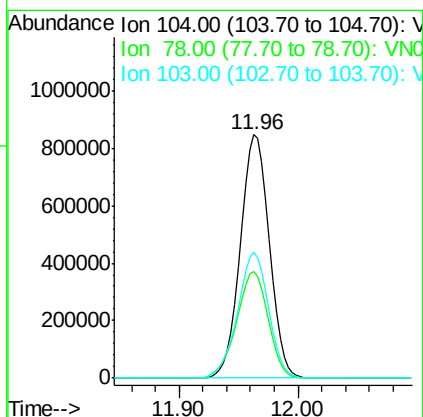
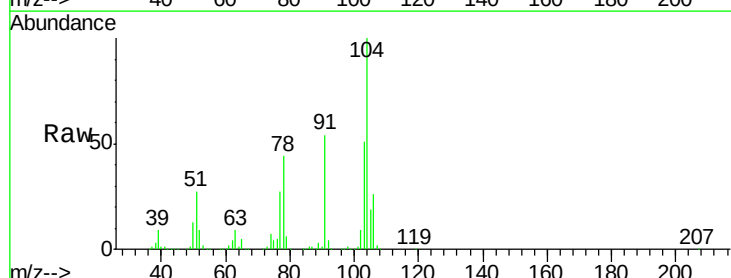
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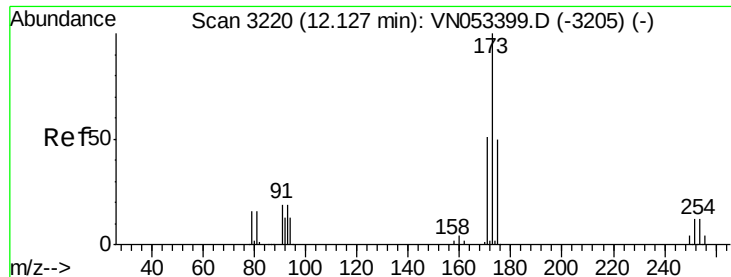
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#70
Styrene
Concen: 52.006 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion:104 Resp: 1429348
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 55.2 44.5 66.7





#71

Bromoform

Concen: 53.065 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 344230

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

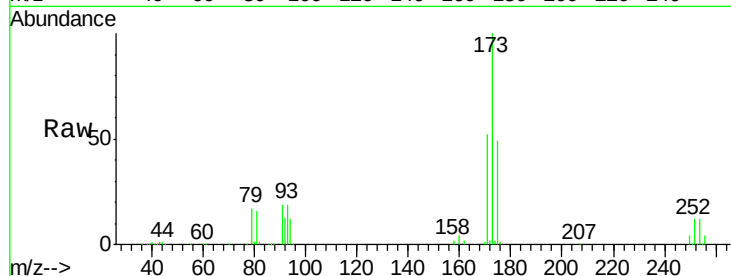
254 0.2 0.2 0.2

Manual Integrations

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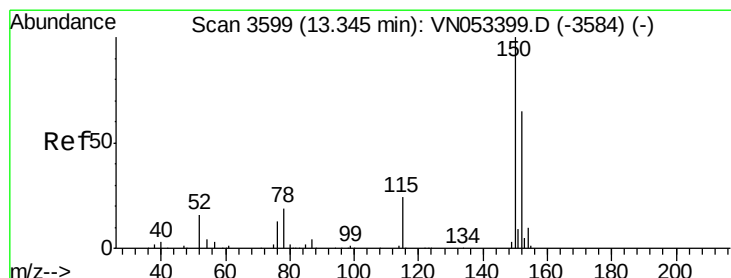
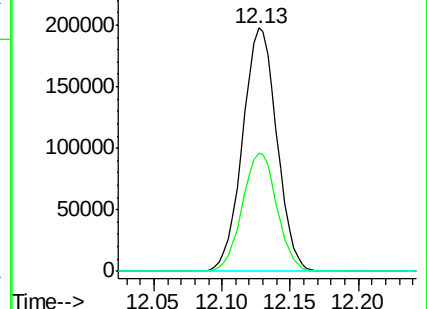
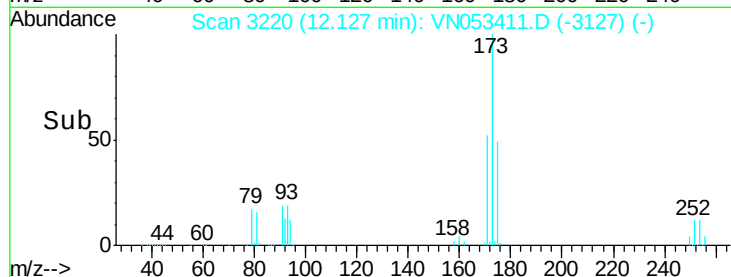
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN053411.D

Acq: 15 Jan 2019 16:41

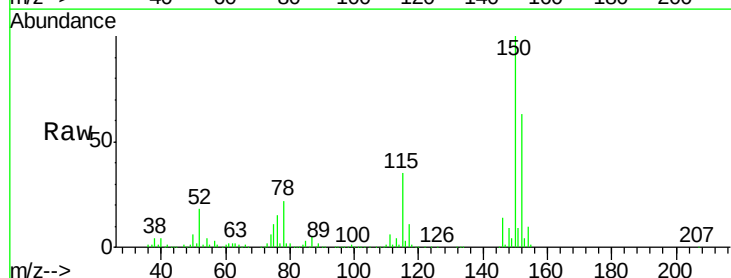
Tgt Ion:152 Resp: 617756

Ion Ratio Lower Upper

152 100

115 55.7 28.0 84.0

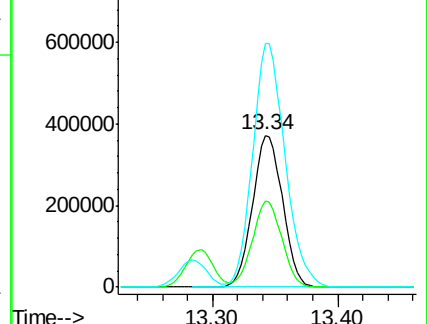
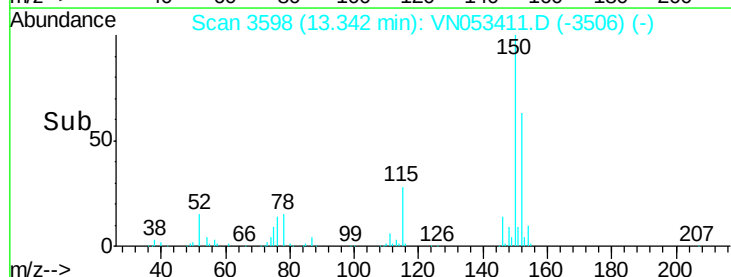
150 173.9 0.0 346.6

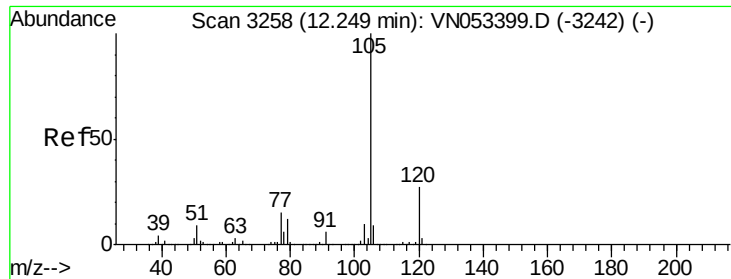


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





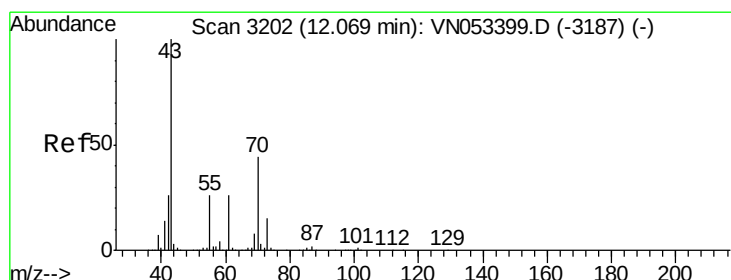
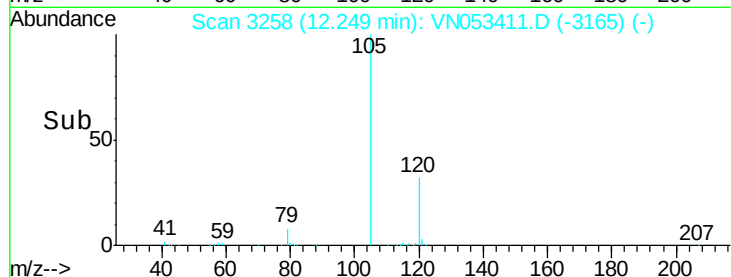
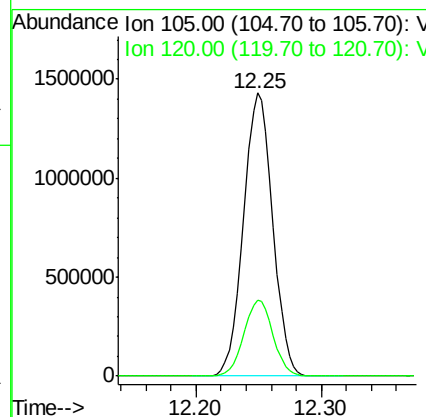
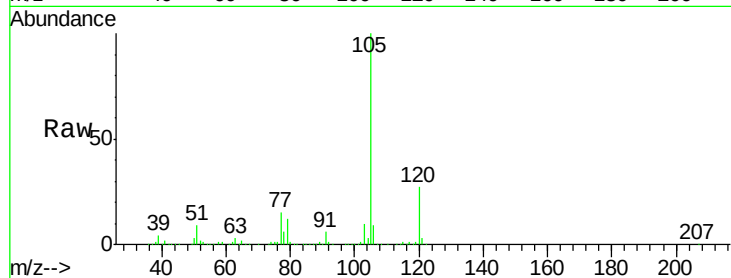
#73
Isopropylbenzene
Concen: 51.124 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 2312768
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2

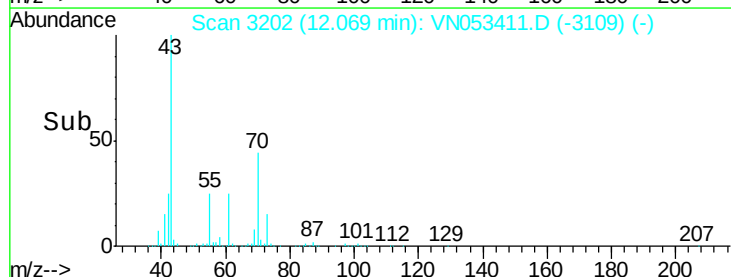
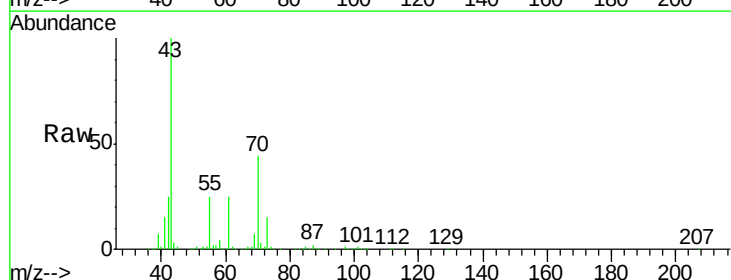
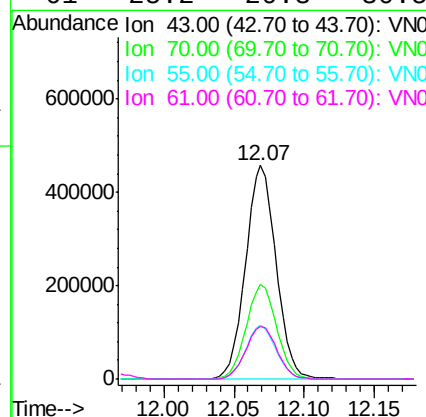
Manual Integrations
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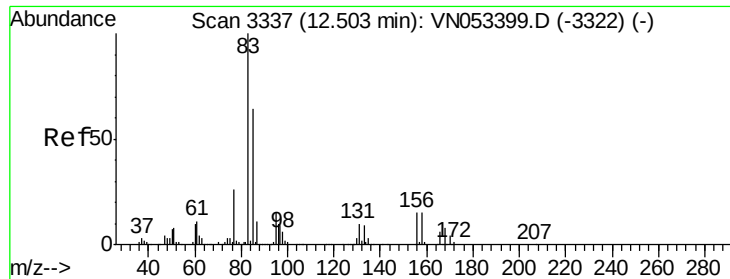
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#74
N-ethyl acetate
Concen: 57.328 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 43 Resp: 691356
Ion Ratio Lower Upper
43 100
70 44.7 35.0 52.6
55 25.4 20.0 30.0
61 25.2 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.410 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

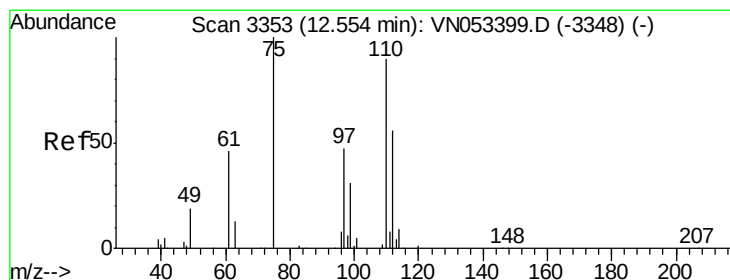
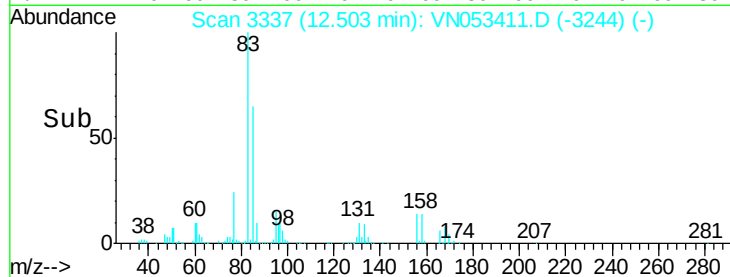
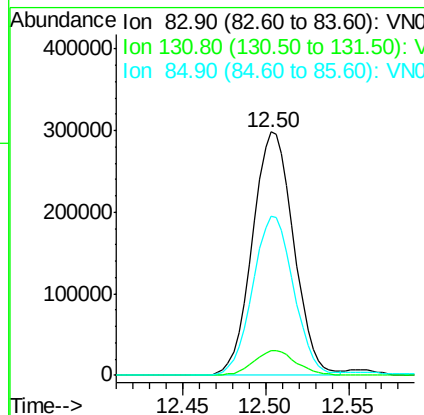
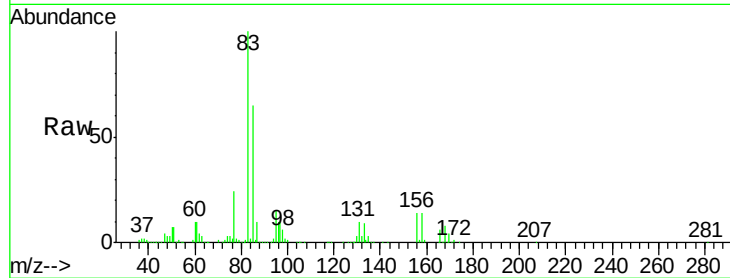
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	516226
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	65.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 59.508 ug/l m

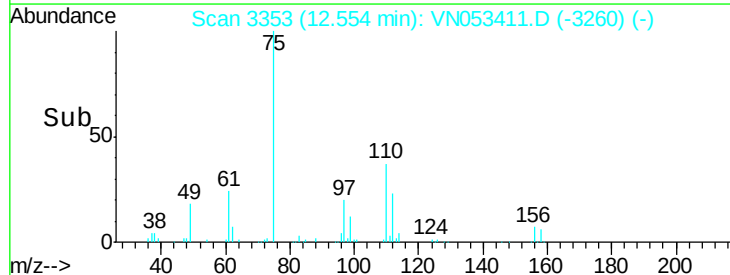
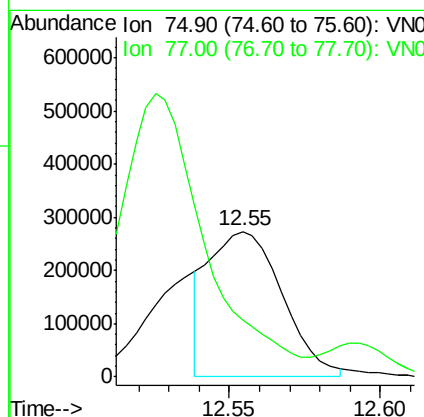
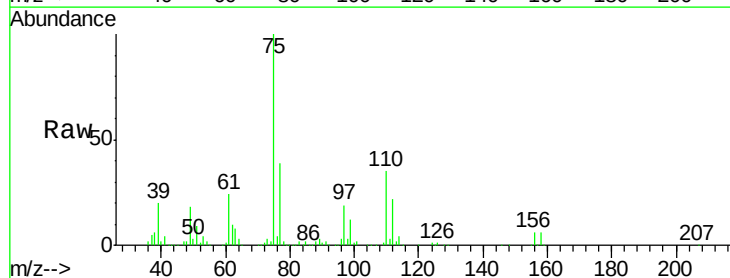
RT: 12.55 min Scan# 3353

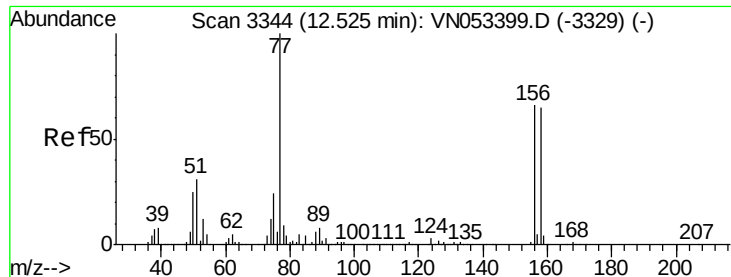
Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Tgt Ion:	75	Resp:	462851
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.625 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

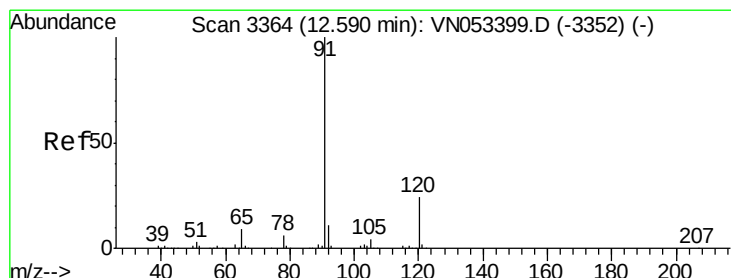
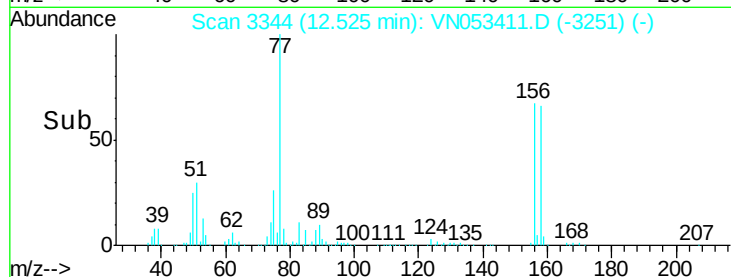
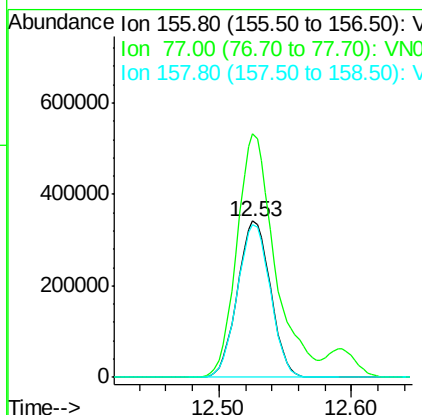
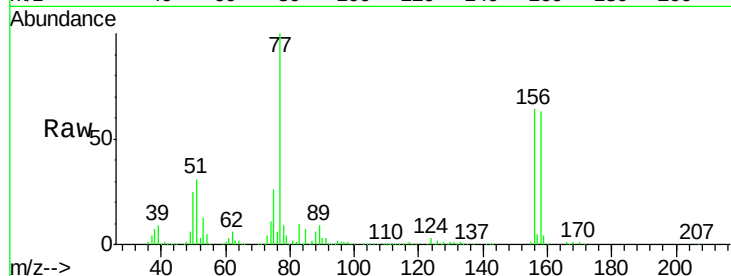
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	591555
Ion Ratio	Lower	Upper	
156	100		
77	179.9	89.3	268.1
158	97.6	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 51.420 ug/l

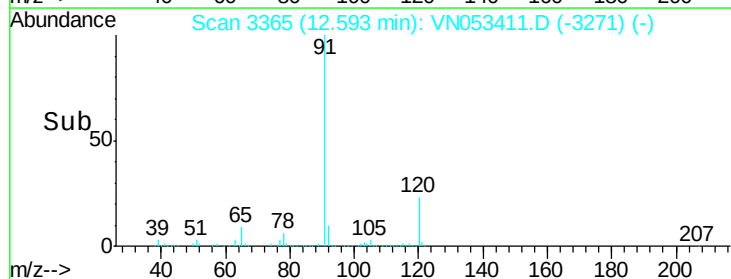
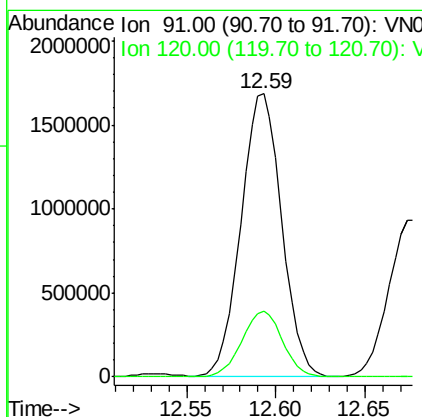
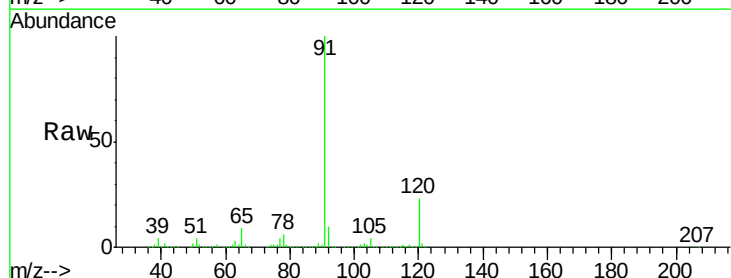
RT: 12.59 min Scan# 3365

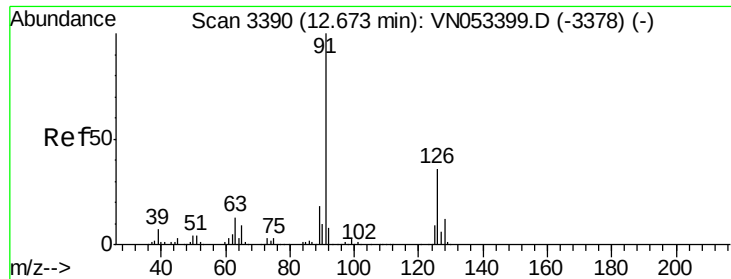
Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Tgt Ion:	91	Resp:	2670137
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.210 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1545466

Ion Ratio Lower Upper

91 100

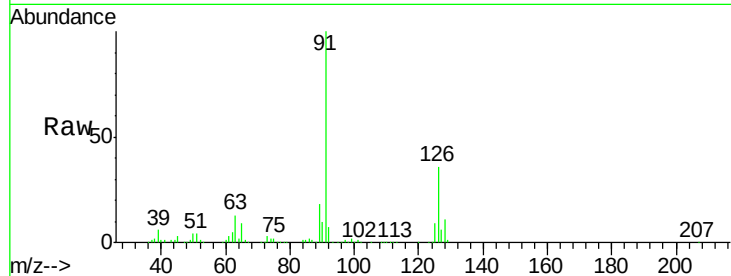
126 35.6 17.5 52.5

Manual Integrations

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1/16/2019 9:51:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)

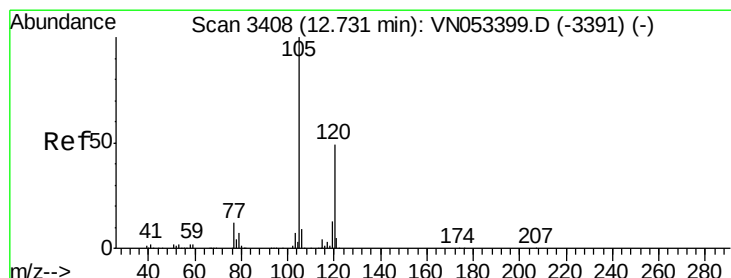
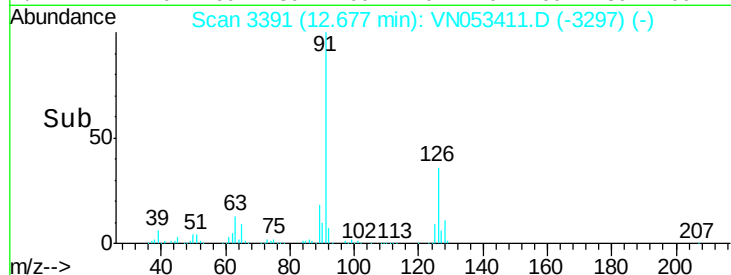
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 51.193 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053411.D

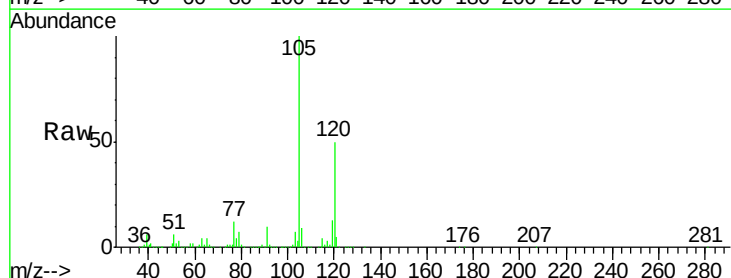
Acq: 15 Jan 2019 16:41

Tgt Ion: 105 Resp: 1884274

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)

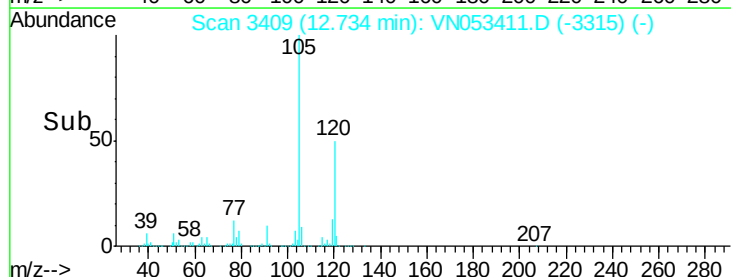
Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)

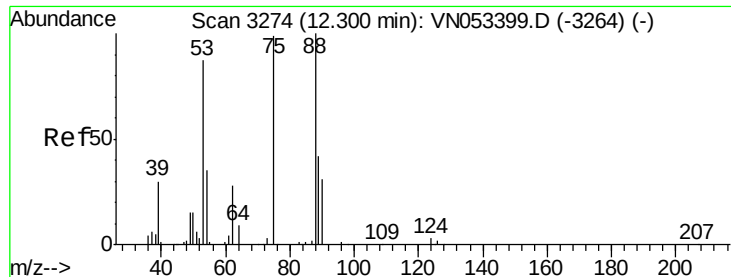
1000000

500000

0

Time--> 12.70 12.80





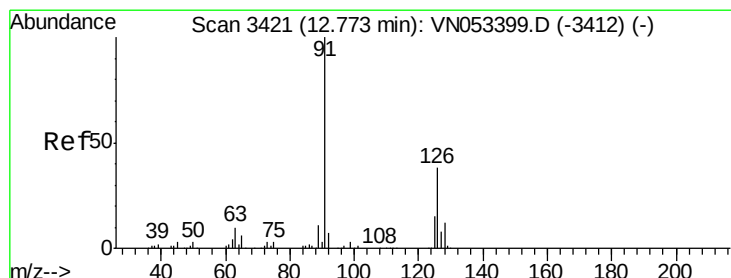
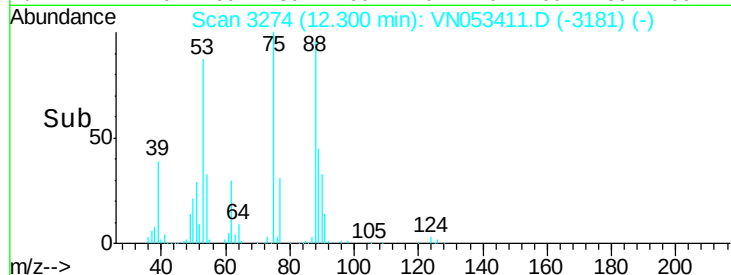
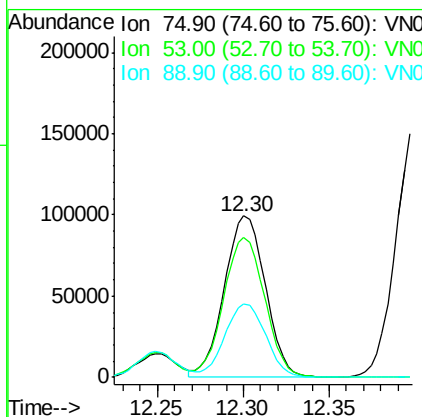
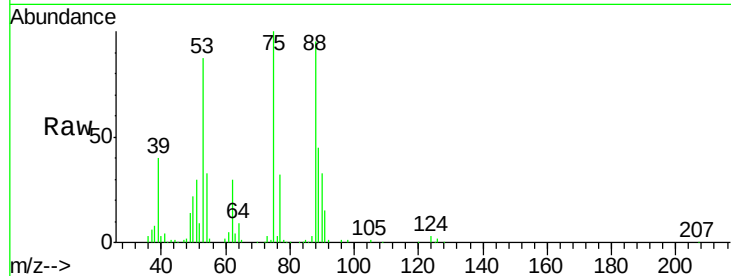
#81
trans-1,4-Dichloro-2-butene
Concen: 50.732 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	70.5	105.7
89	45.8	35.4	53.0

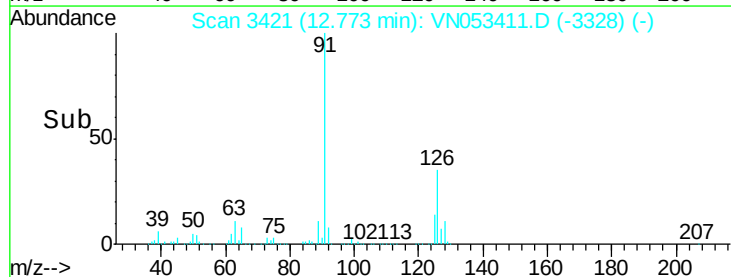
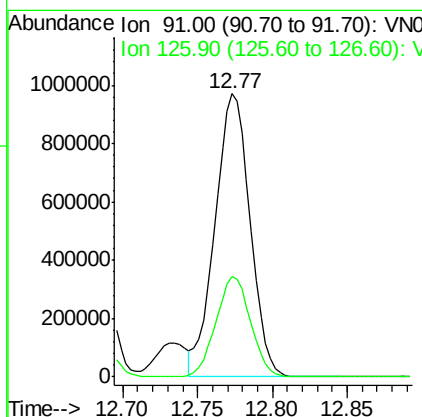
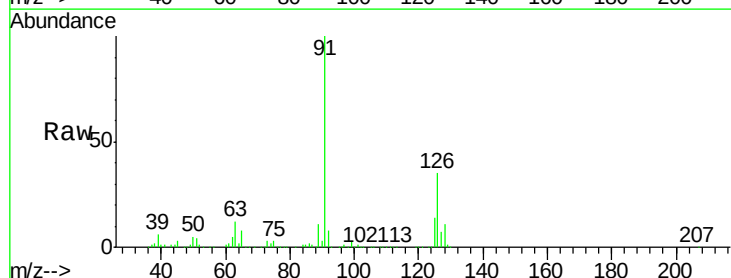
Manual Integrations
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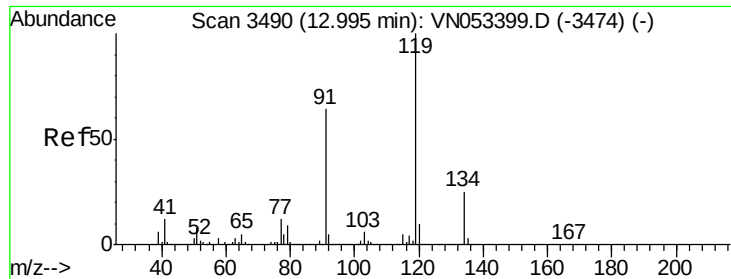
MMDadoda
1/16/2019 9:51:35 AM



#82
4-Chlorotoluene
Concen: 50.362 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.2





#83

tert-Butylbenzene

Concen: 51.147 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1662751

Ion Ratio Lower Upper

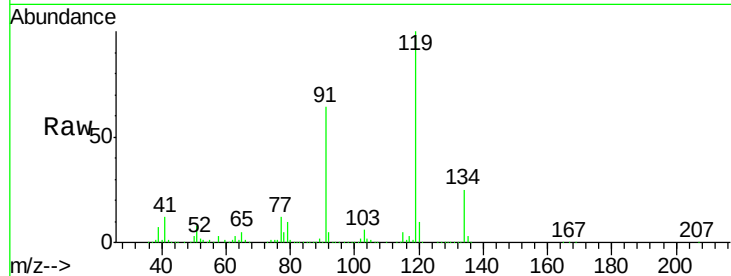
119 100

91 63.1 31.6 95.0

134 25.8 12.9 38.6

Manual Integrations
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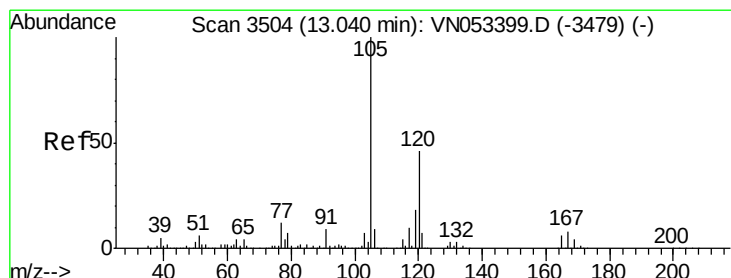
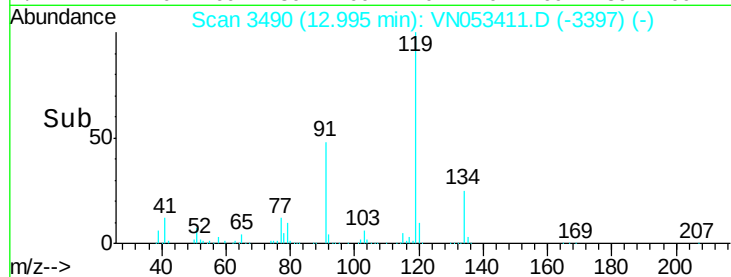
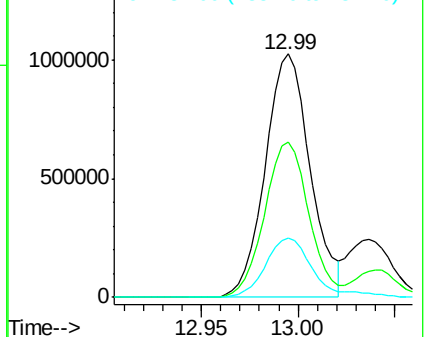
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.766 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053411.D

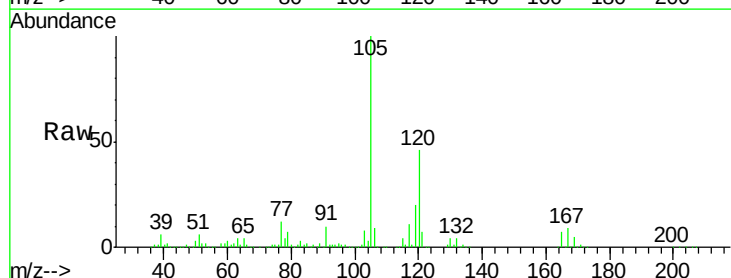
Acq: 15 Jan 2019 16:41

Tgt Ion:105 Resp: 1884095

Ion Ratio Lower Upper

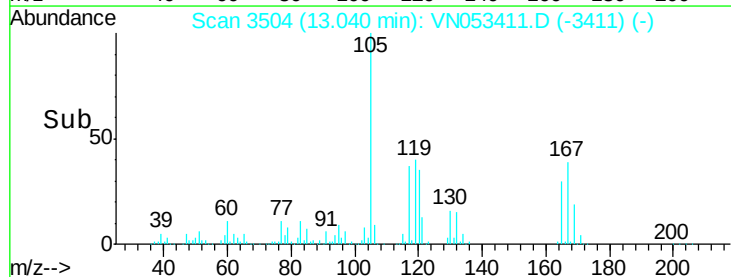
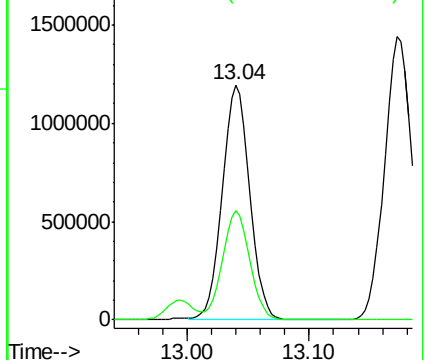
105 100

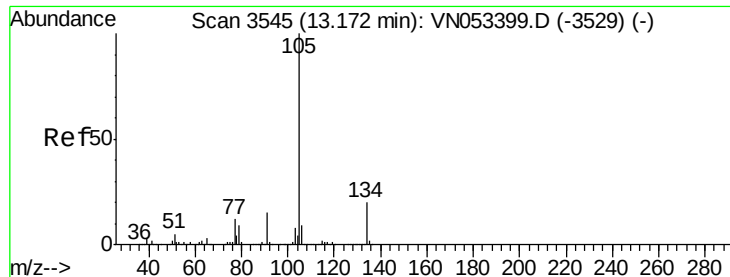
120 46.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.241 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2284566

Ion Ratio Lower Upper

105 100

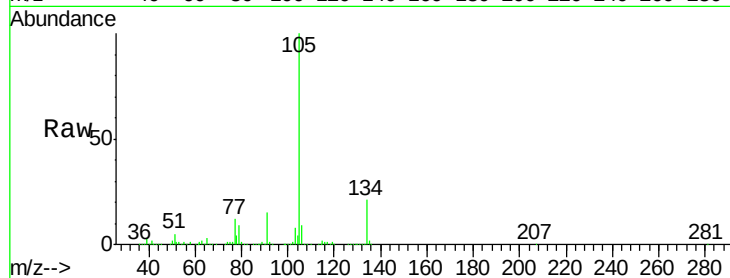
134 20.7 10.2 30.6

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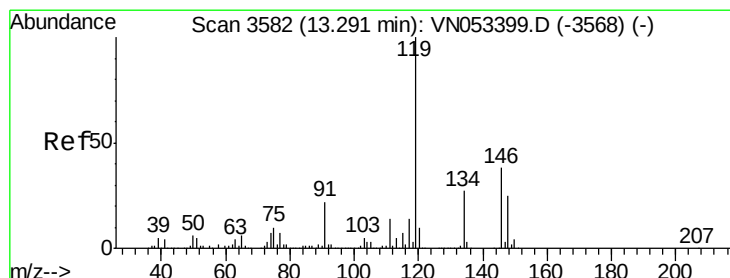
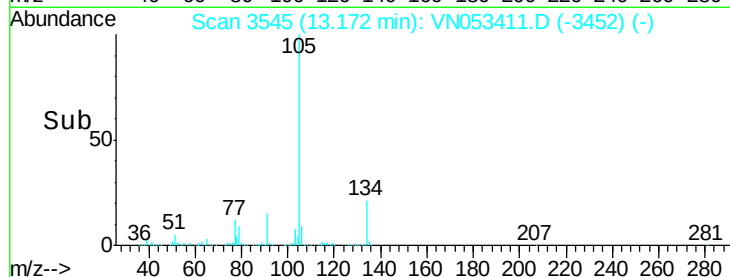
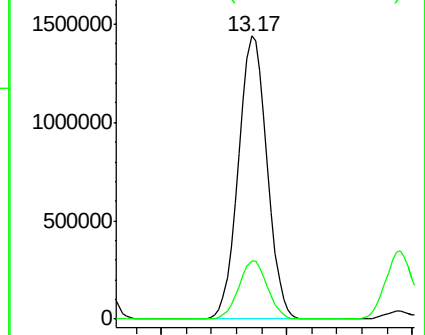
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.549 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

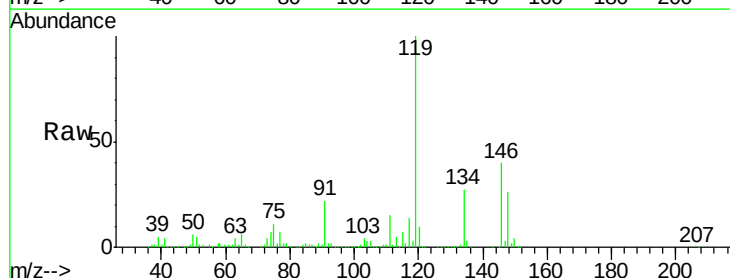
Tgt Ion:119 Resp: 1995559

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

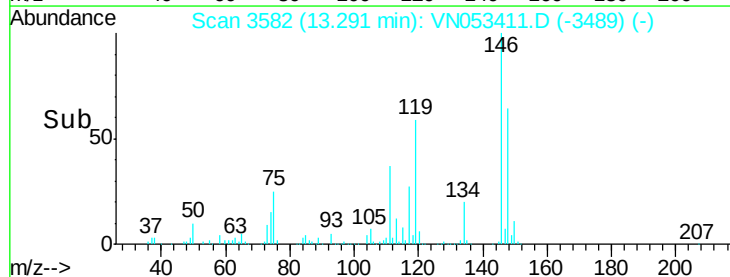
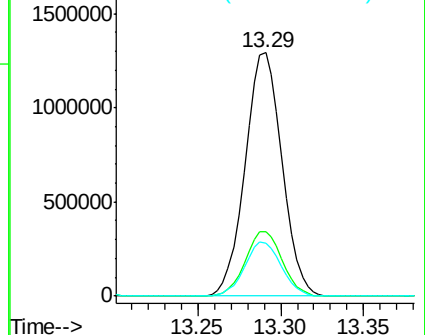
91 22.1 11.1 33.1

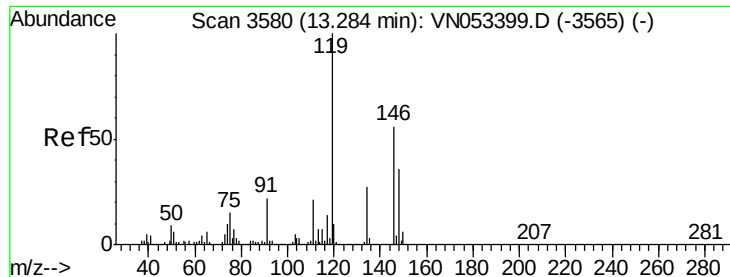


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





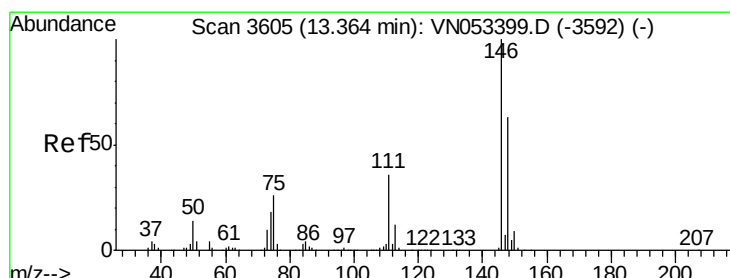
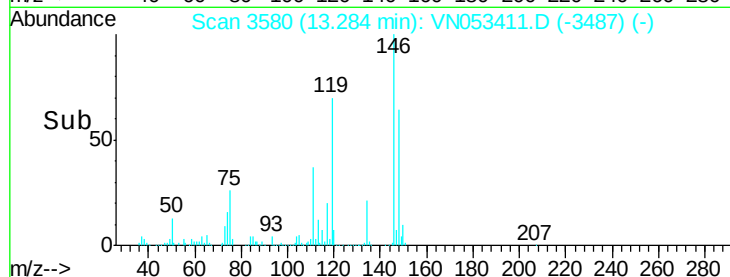
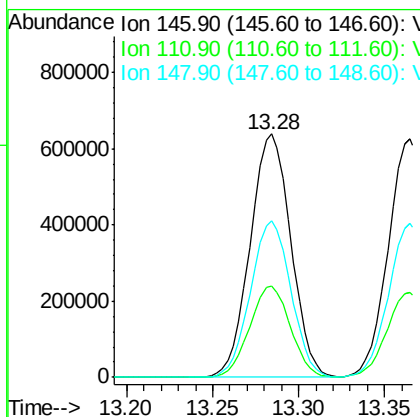
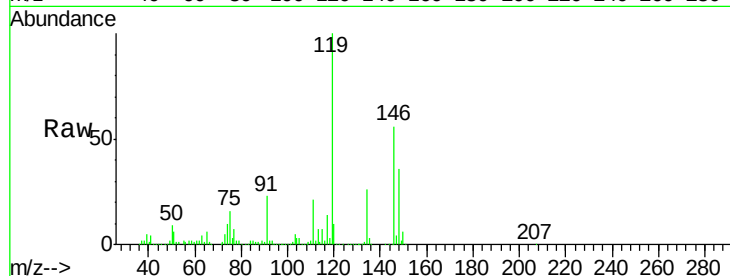
#87
 1,3-Dichlorobenzene
 Concen: 50.038 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1049226
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.5
 148 64.0 32.0 96.2

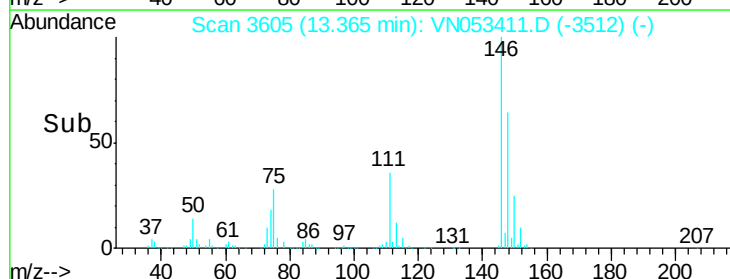
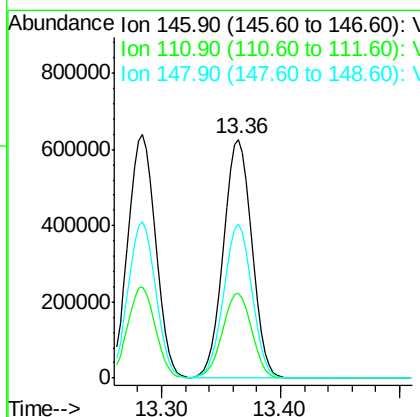
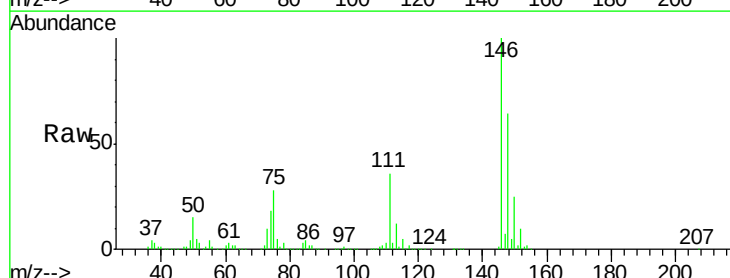
Manual Integrations
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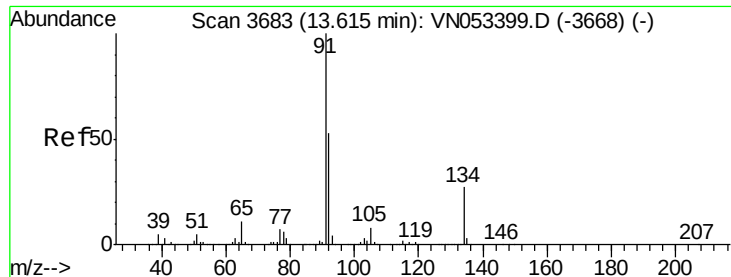
MMDadoda
 1/16/2019 9:51:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.434 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion:146 Resp: 1039779
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.6 55.8
 148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 51.220 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1690184

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.8

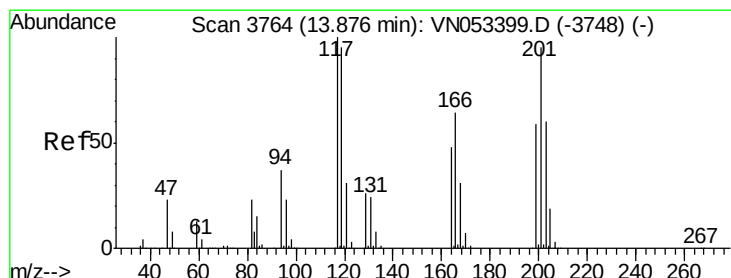
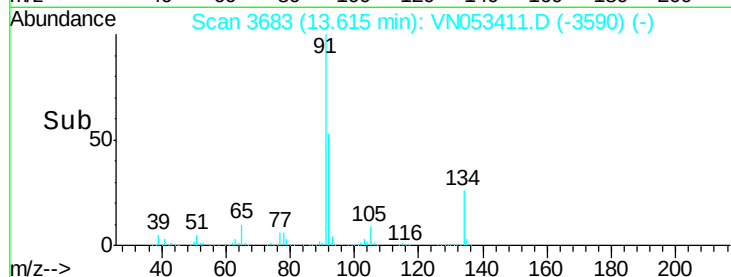
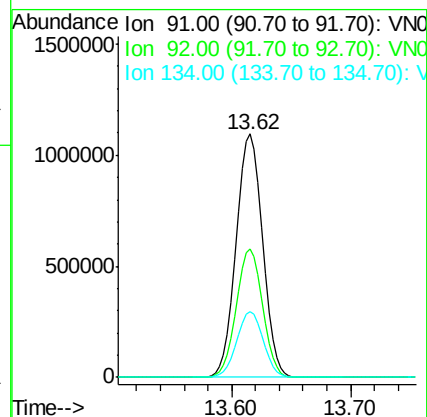
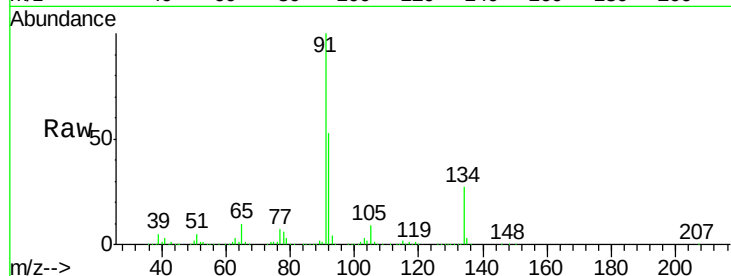
134 26.9 13.5 40.5

Manual Integrations

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#90

Hexachloroethane

Concen: 51.100 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053411.D

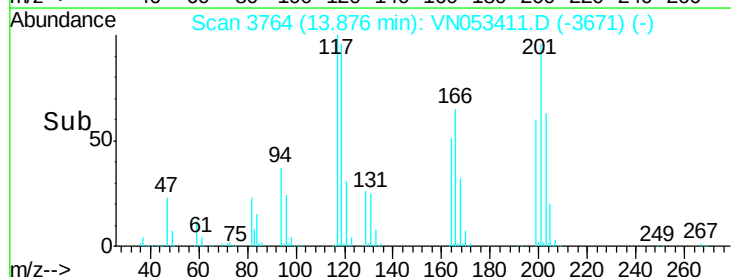
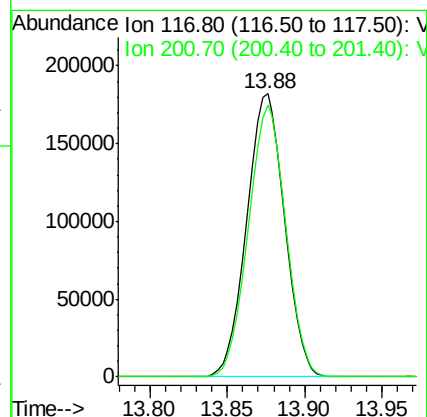
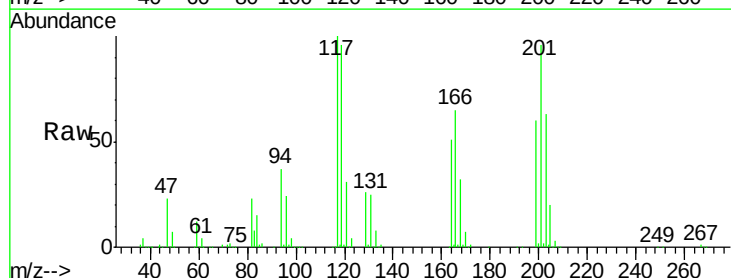
Acq: 15 Jan 2019 16:41

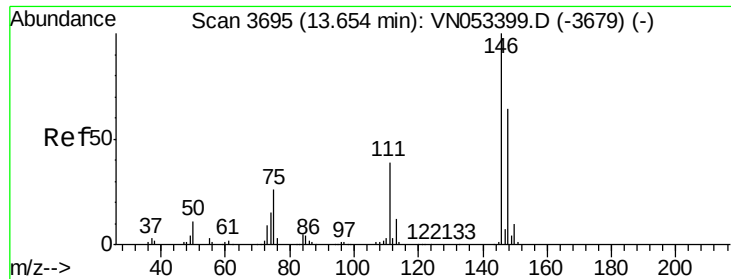
Tgt Ion: 117 Resp: 310250

Ion Ratio Lower Upper

117 100

201 94.9 46.1 138.3





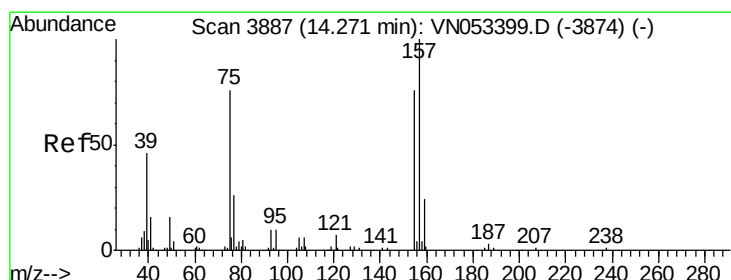
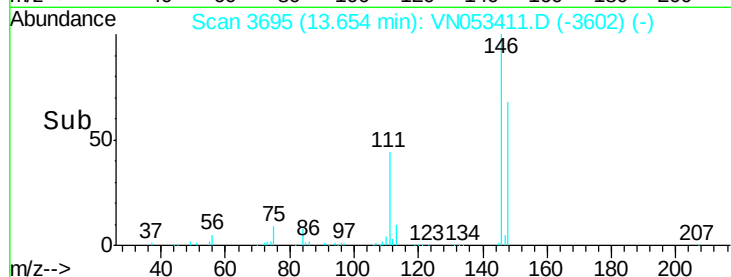
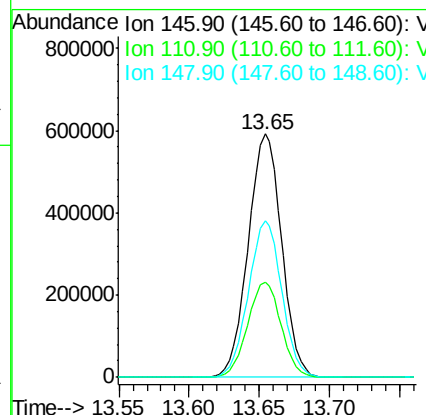
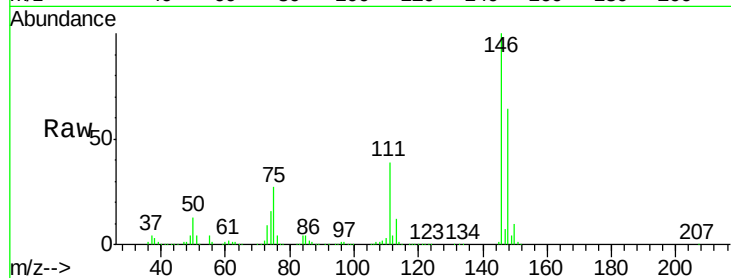
#91
 1,2-Dichlorobenzene
 Concen: 51.068 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.2
148	64.0	32.2	96.6

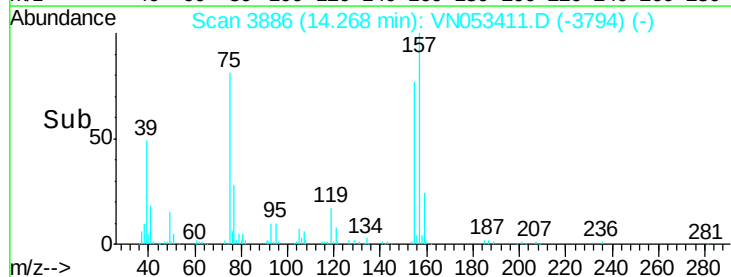
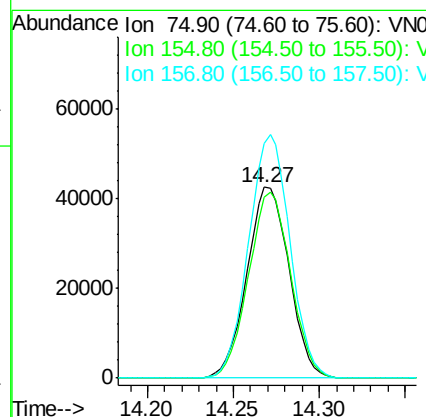
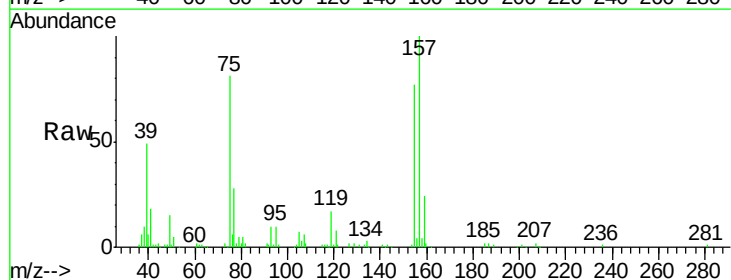
Manual Integrations
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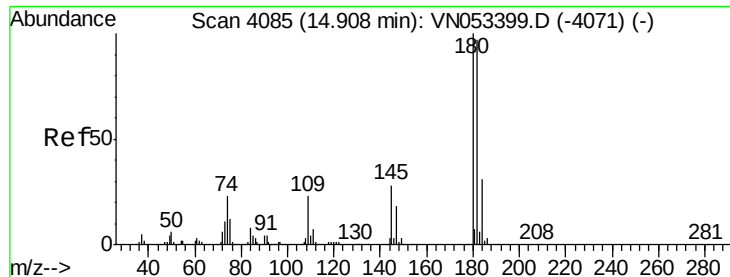
MMDadoda
 1/16/2019 9:51:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.399 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	48.1	144.3
157	124.6	61.5	184.4





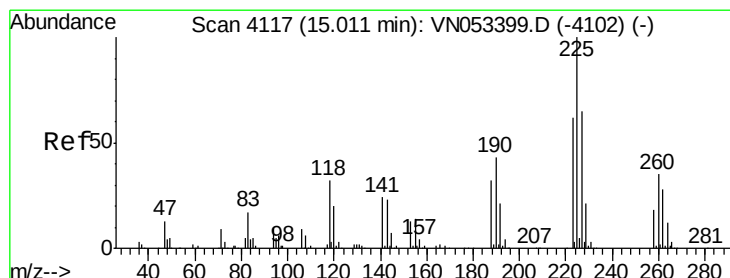
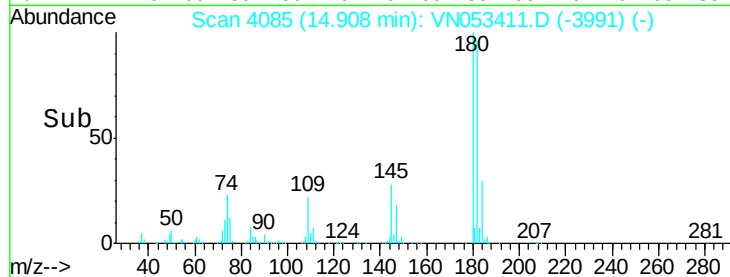
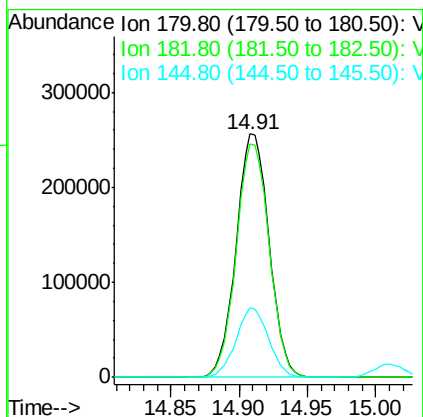
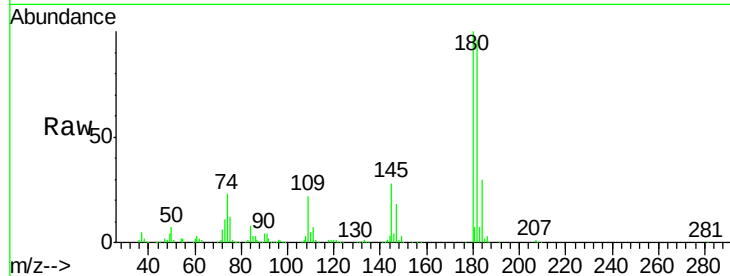
#93
 1,2,4-Trichlorobenzene
 Concen: 50.399 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	429180		
182	96.0	47.8	143.4	
145	28.2	14.4	43.0	

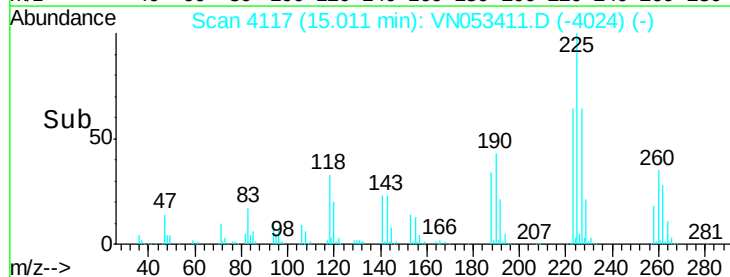
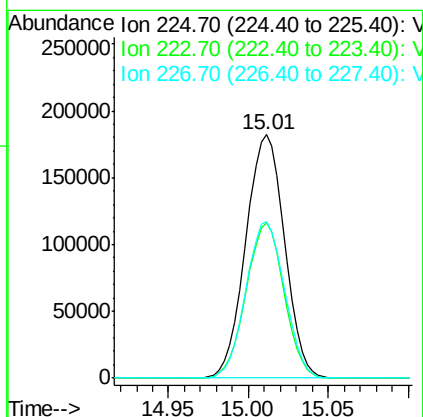
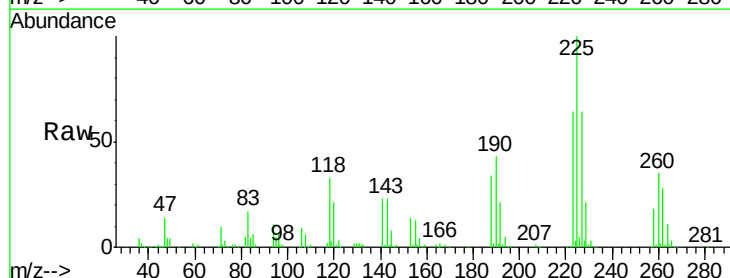
Manual Integrations
 APPROVED

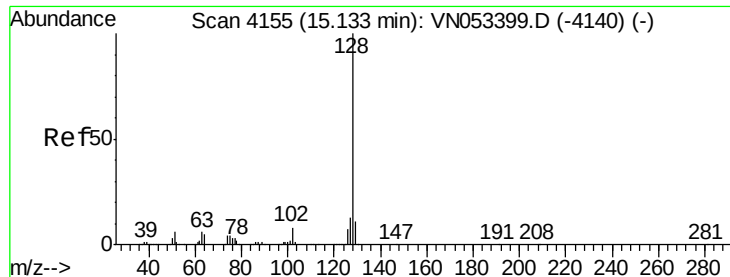
MMDadoda
 1/16/2019 9:51:35 AM



#94
 Hexachlorobutadiene
 Concen: 50.161 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	301859		
223	62.3	30.9	92.8	
227	64.1	31.4	94.2	





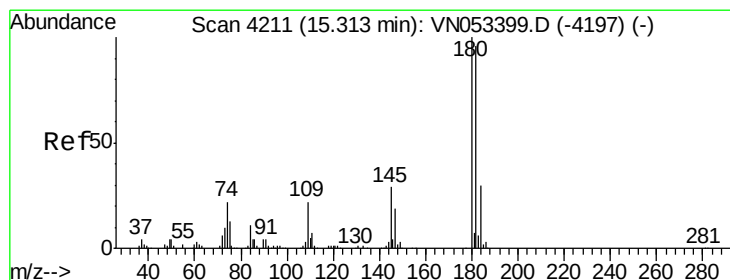
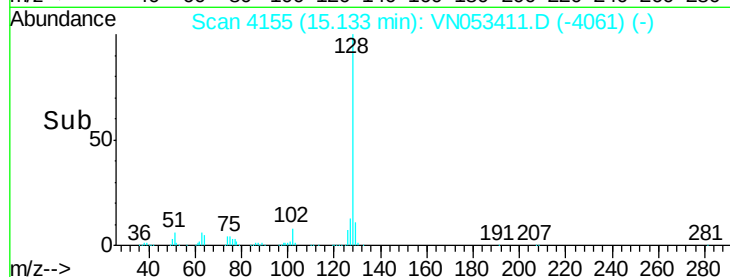
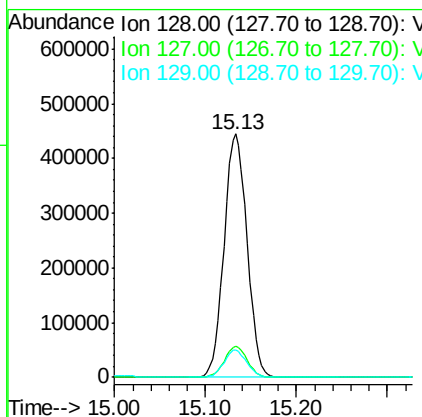
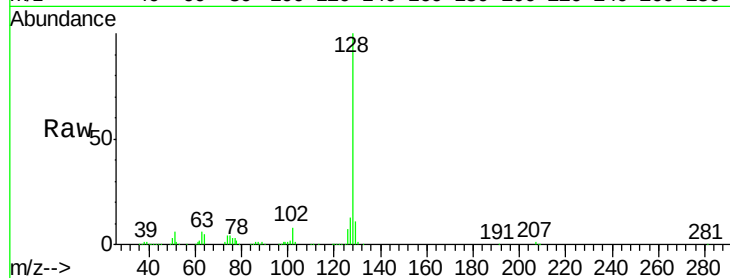
#95
Naphthalene
Concen: 52.070 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:51:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.042 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.4	145.0
145	29.8	14.9	44.5

