

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055631.D
 Acq On : 17 May 2019 23:27
 Operator : JC/SP
 Sample : K2902-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MS

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:09:14 AM

Quant Time: May 18 04:24:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	330533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	505196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	449092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209912	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	183619	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.36%		
35) Dibromofluoromethane	7.59	113	165518	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.16%		
50) Toluene-d8	10.09	98	615910	50.76	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.52%		
62) 4-Bromofluorobenzene	12.40	95	216555	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	118820	46.722	ug/l	98
3) Chloromethane	2.06	50	161521	47.617	ug/l	99
4) Vinyl Chloride	2.18	62	176800	48.133	ug/l	99
5) Bromomethane	2.56	94	113630	48.541	ug/l	99
6) Chloroethane	2.71	64	101331	49.685	ug/l	99
7) Trichlorofluoromethane	3.03	101	228372	48.518	ug/l	99
8) Diethyl Ether	3.41	74	94725	50.095	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	136262	47.485	ug/l	99
10) Methyl Iodide	3.96	142	197293	47.690	ug/l	99
11) Tert butyl alcohol	4.77	59	177445	262.616	ug/l	97
12) 1,1-Dichloroethene	3.74	96	144125	47.745	ug/l	99
13) Acrolein	3.61	56	79980	232.153	ug/l	100
14) Allyl chloride	4.33	41	229671	47.130	ug/l	100
15) Acrylonitrile	4.99	53	387570	257.816	ug/l	100
16) Acetone	3.81	43	314041	212.383	ug/l	100
17) Carbon Disulfide	4.06	76	392189	46.736	ug/l	100
18) Methyl Acetate	4.32	43	129077	40.718	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	487796	48.846	ug/l	99
20) Methylene Chloride	4.56	84	161892	47.975	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	153301	47.673	ug/l	99
22) Diisopropyl ether	5.95	45	460286	47.666	ug/l	95
23) Vinyl Acetate	5.90	43	1606638	196.083	ug/l	99
24) 1,1-Dichloroethane	5.85	63	277615	49.031	ug/l	100
25) 2-Butanone	6.83	43	509726	246.546	ug/l	100
26) 2,2-Dichloropropane	6.83	77	166569	33.147	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	179995	48.069	ug/l	96
28) Bromochloromethane	7.20	49	125178	50.818	ug/l	100
29) Tetrahydrofuran	7.21	42	341780	249.525	ug/l	99
30) Chloroform	7.37	83	277457	47.739	ug/l	100
31) Cyclohexane	7.66	56	245583	45.701	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	248149	47.602	ug/l	99
36) 1,1-Dichloropropene	7.80	75	210767	46.794	ug/l	99
37) Ethyl Acetate	6.93	43	174787	43.004	ug/l	99
38) Carbon Tetrachloride	7.78	117	222104	46.146	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	243794	44.901	ug/l	99
40) Benzene	8.04	78	641897	48.452	ug/l	100
41) Methacrylonitrile	7.18	41	88434m	50.892	ug/l	
42) 1,2-Dichloroethane	8.13	62	211025	49.190	ug/l	100
43) Isopropyl Acetate	8.16	43	308366	43.616	ug/l	99
44) Trichloroethene	8.84	130	185219	49.547	ug/l	99
45) 1,2-Dichloropropane	9.12	63	167507	47.995	ug/l	99
46) Dibromomethane	9.21	93	111815	48.951	ug/l	98
47) Bromodichloromethane	9.40	83	227893	47.602	ug/l	99
48) Methyl methacrylate	9.20	41	158448	50.140	ug/l	98
49) 1,4-Dioxane	9.20	88	70182	1117.673	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1031877	248.815	ug/l	100
52) Toluene	10.16	92	404772	48.713	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	240829	46.739	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	263959	46.761	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	165892	48.495	ug/l	99
56) Ethyl methacrylate	10.43	69	256214	47.980	ug/l	99
57) 1,3-Dichloropropane	10.71	76	265418	48.989	ug/l	99
59) 2-Hexanone	10.75	43	730423	250.161	ug/l	99
60) Dibromochloromethane	10.90	129	192399	49.625	ug/l	100
61) 1,2-Dibromoethane	11.01	107	170773	49.893	ug/l	99
64) Tetrachloroethene	10.63	164	162978	46.011	ug/l	99
65) Chlorobenzene	11.43	112	435437	47.938	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	173733	47.543	ug/l	99
67) Ethyl Benzene	11.51	91	759700	46.949	ug/l	99
68) m/p-Xylenes	11.62	106	577167	94.452	ug/l	100
69) o-Xylene	11.95	106	282854	47.326	ug/l	98
70) Styrene	11.96	104	479153	48.216	ug/l	99
71) Bromoform	12.13	173	153144	49.453	ug/l #	99
73) Isopropylbenzene	12.25	105	739172	50.189	ug/l	99
74) N-amyl acetate	12.07	43	226591	38.443	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	235784	51.182	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	190491m	44.473	ug/l	
77) Bromobenzene	12.53	156	202238	46.912	ug/l	95
78) n-propylbenzene	12.59	91	809748	43.439	ug/l	99
79) 2-Chlorotoluene	12.67	91	491300	49.221	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	618733	49.133	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	68739	41.253	ug/l	98
82) 4-Chlorotoluene	12.77	91	489549	44.573	ug/l	99
83) tert-Butylbenzene	12.99	119	537166	50.298	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	610989	48.578	ug/l	100
85) sec-Butylbenzene	13.17	105	688224	48.998	ug/l	100
86) p-Isopropyltoluene	13.29	119	628415	48.026	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	330668	46.391	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	325166	47.778	ug/l	99
89) n-Butylbenzene	13.61	91	505996	43.928	ug/l	100
90) Hexachloroethane	13.87	117	123327	49.375	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	330268	46.481	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46434	48.743	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	186385	51.533	ug/l	100

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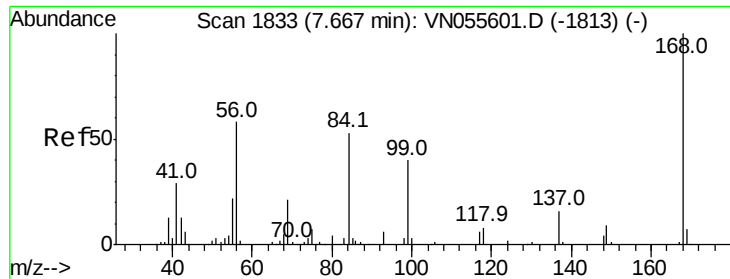
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	102466	46.750	ug/l	99
95) Naphthalene	15.13	128	517723	47.521	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	185635	49.088	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:168 Resp: 330533

Ion Ratio Lower Upper

168 100

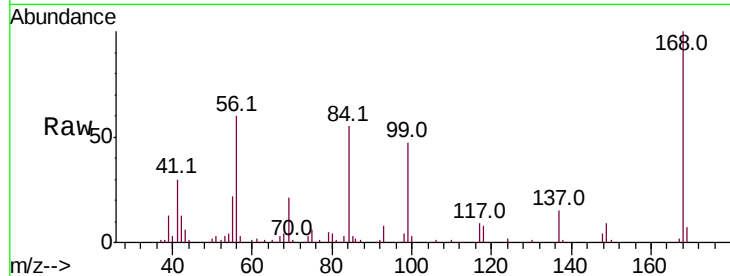
99 47.0 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

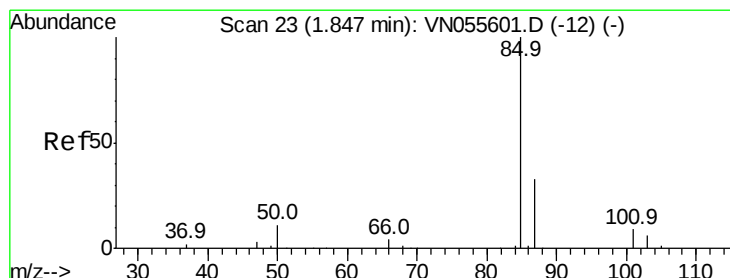
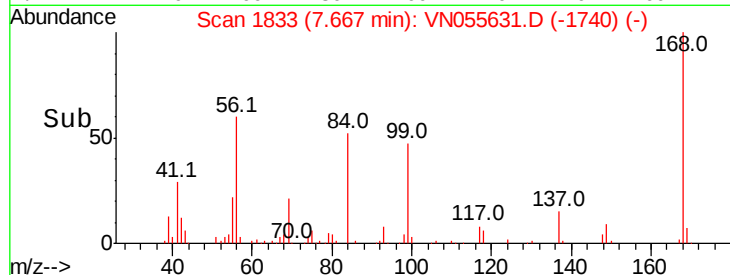
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.722 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055631.D

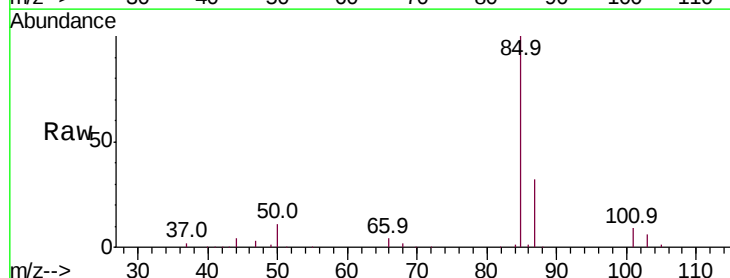
Acq: 17 May 2019 23:27

Tgt Ion: 85 Resp: 118820

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

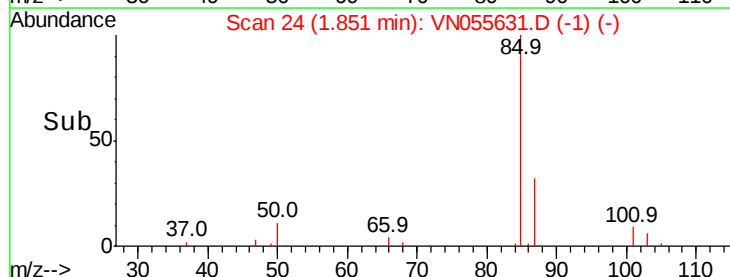
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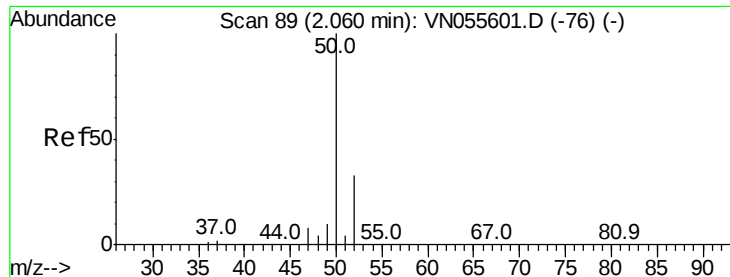
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.617 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion: 50 Resp: 161521

Ion Ratio Lower Upper

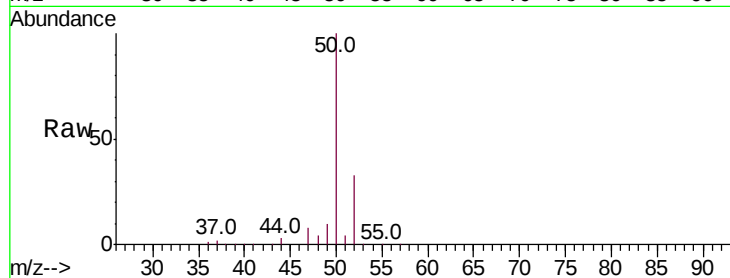
50 100

52 33.1 26.7 40.1

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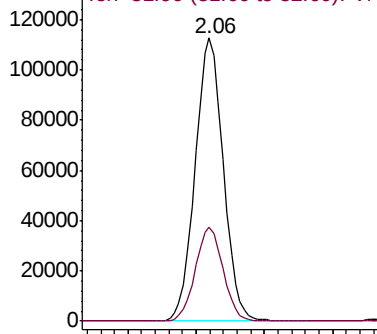
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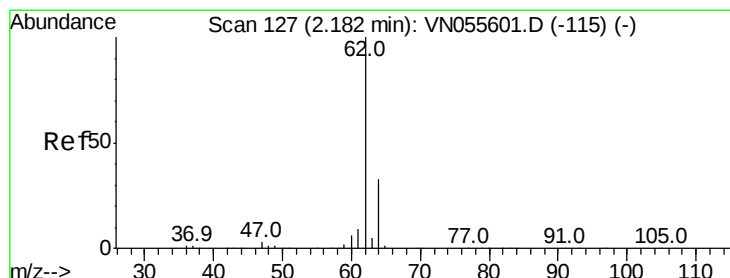
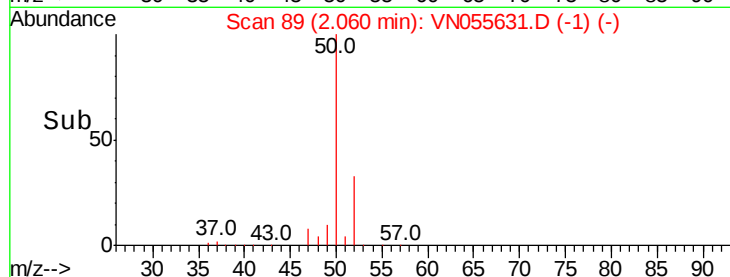


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 48.133 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055631.D

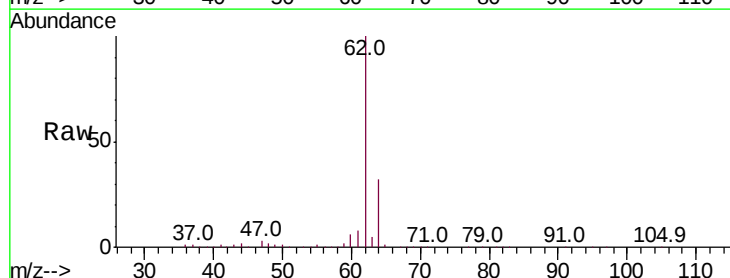
Acq: 17 May 2019 23:27

Tgt Ion: 62 Resp: 176800

Ion Ratio Lower Upper

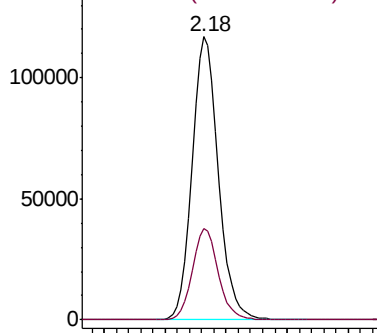
62 100

64 32.1 26.2 39.4

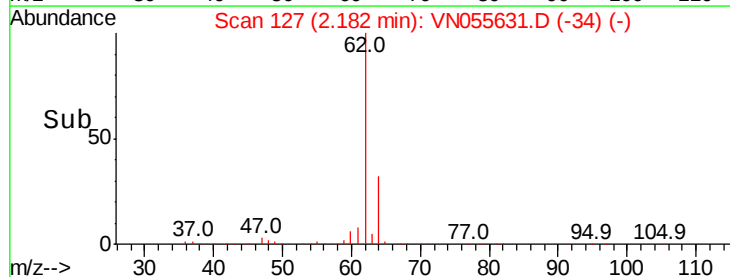


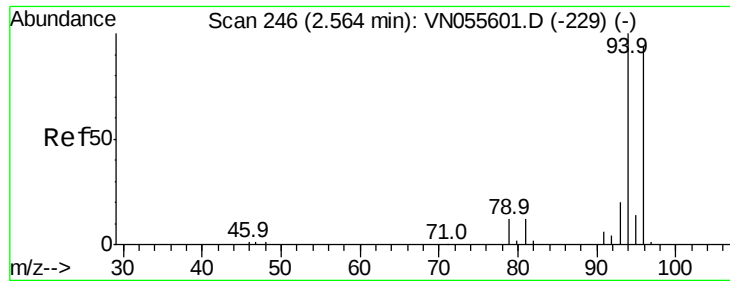
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 48.541 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN055631.D

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Tot Ion: 94 Resp: 113630

Ion Ratio Lower Upper

94 100

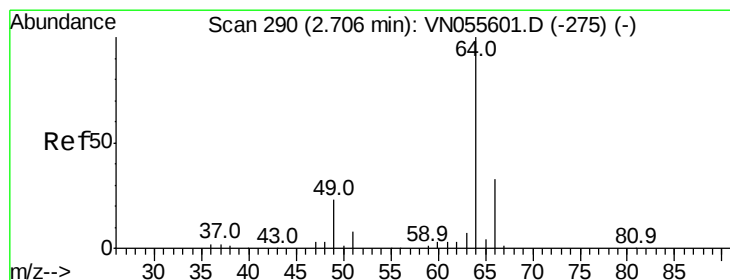
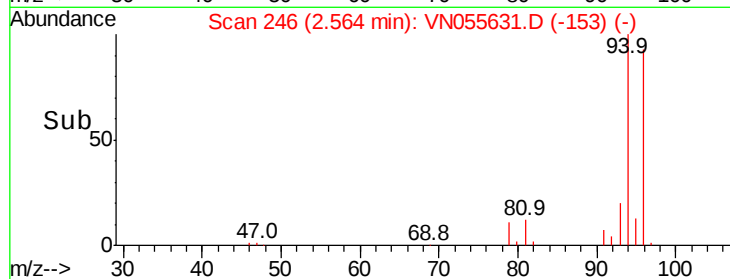
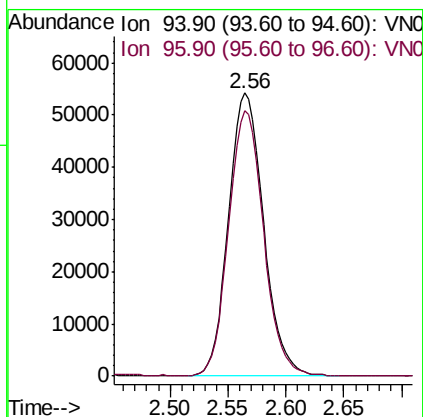
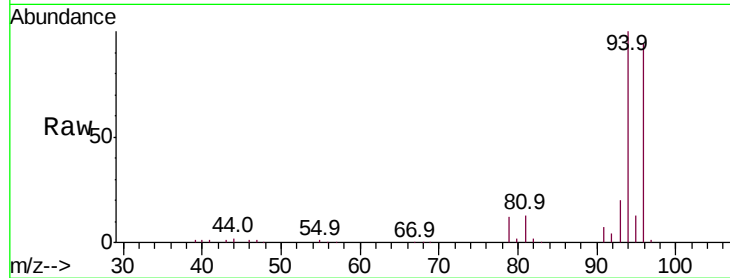
96 93.3 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 49.685 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055631.D

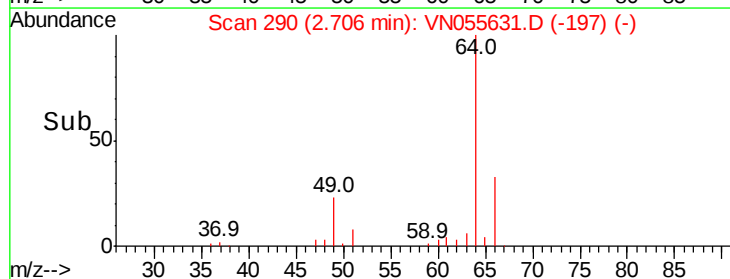
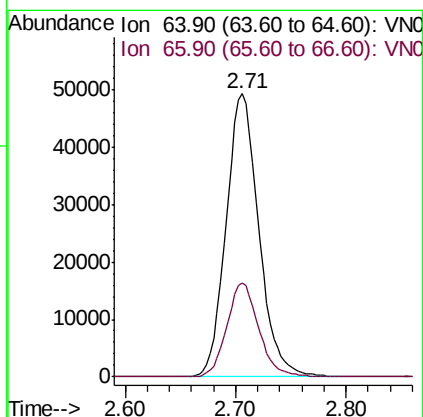
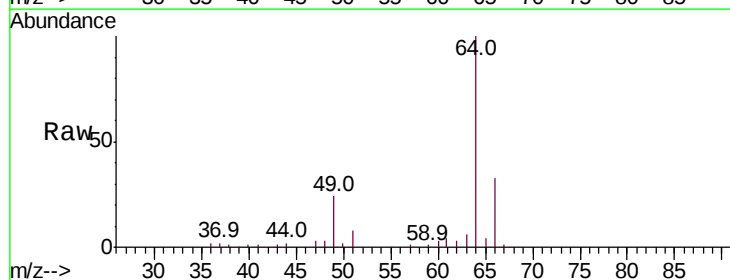
Acq: 17 May 2019 23:27

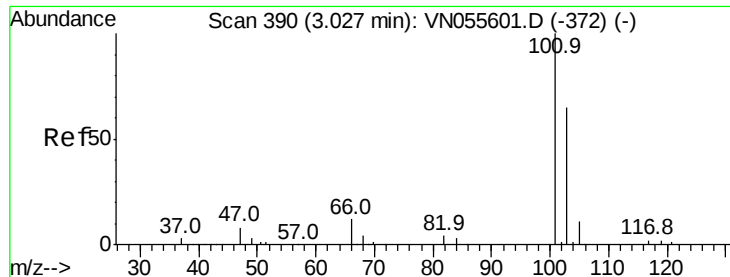
Tgt Ion: 64 Resp: 101331

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.4





#7

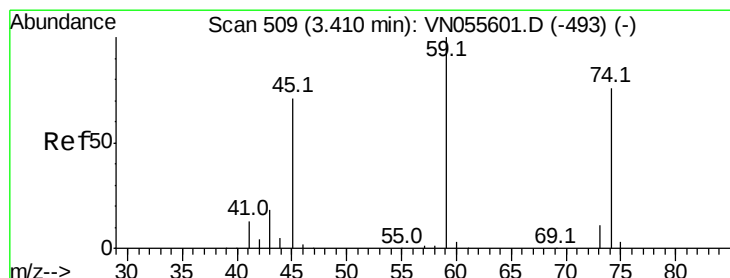
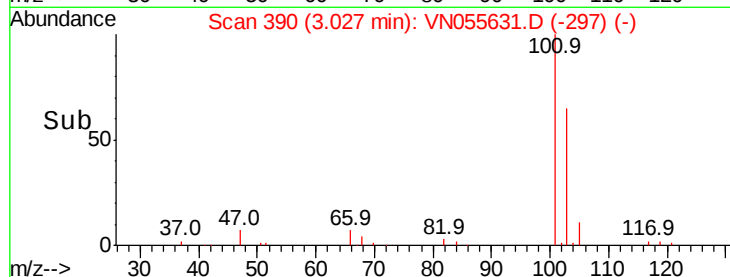
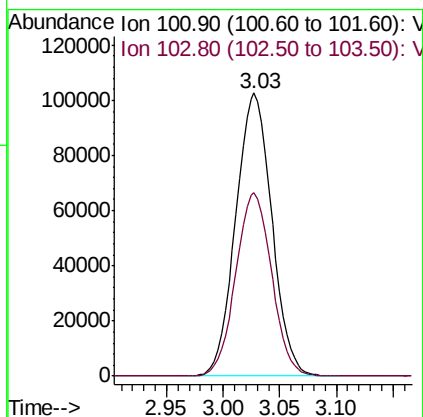
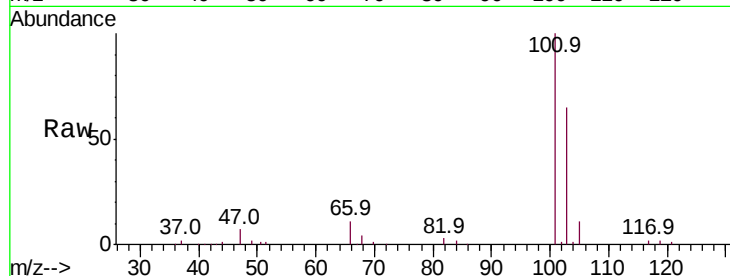
Trichlorofluoromethane
 Concen: 48.518 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.3	78.5

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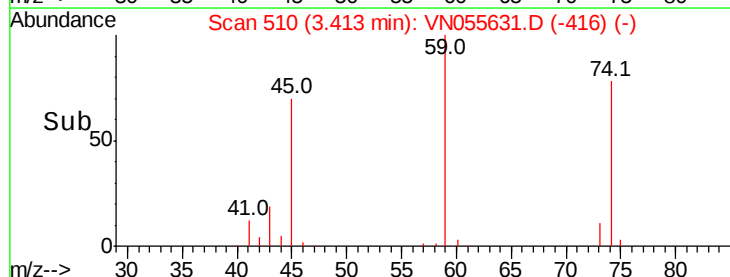
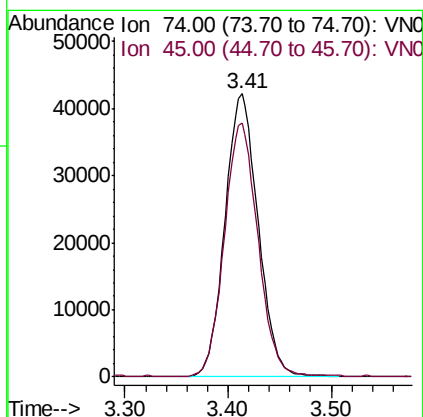
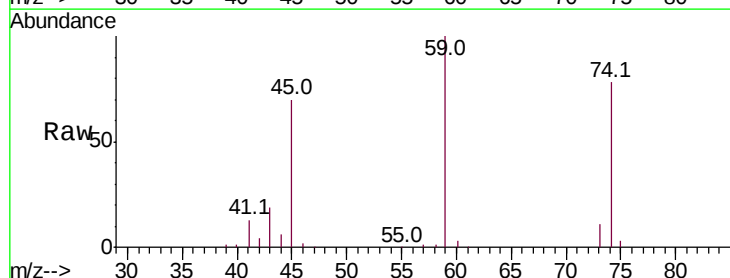
MMDadoda
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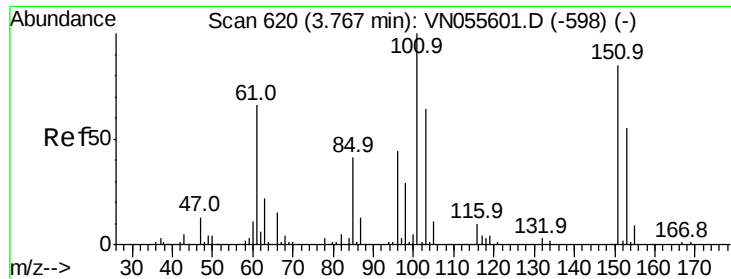


#8

Diethyl Ether
 Concen: 50.095 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.485 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

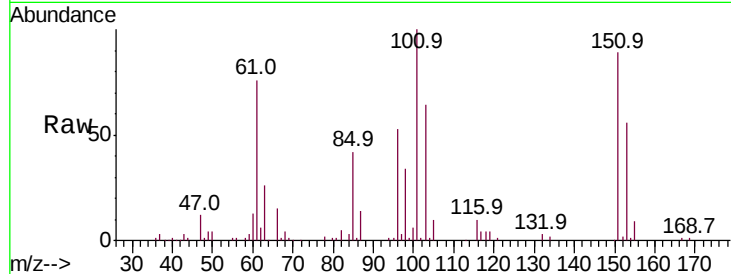
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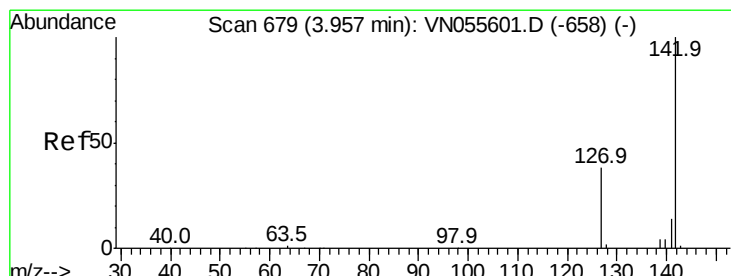
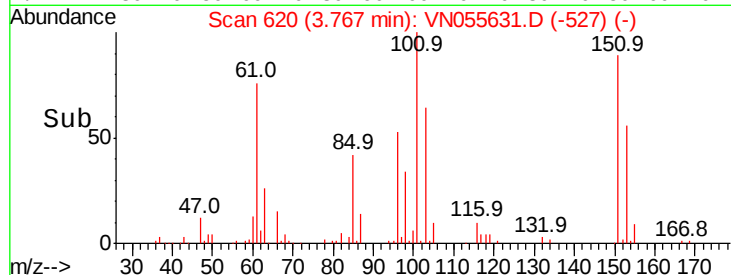
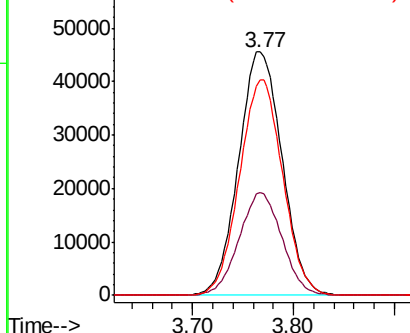
Tot Ion:	101	Resp:	136262
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.4	50.0
151	87.7	69.3	103.9

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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: 47.690 ug/l

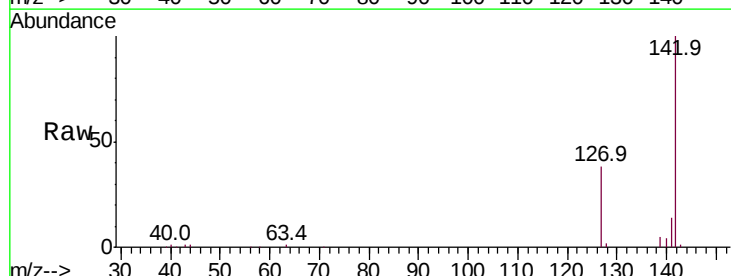
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

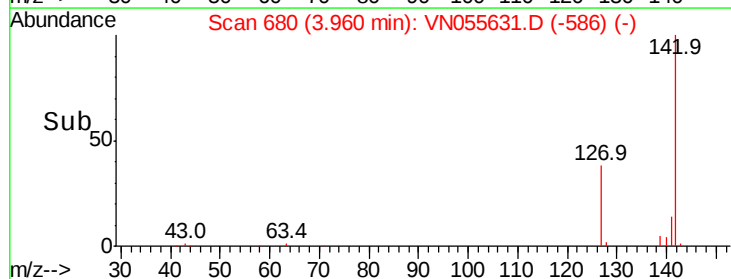
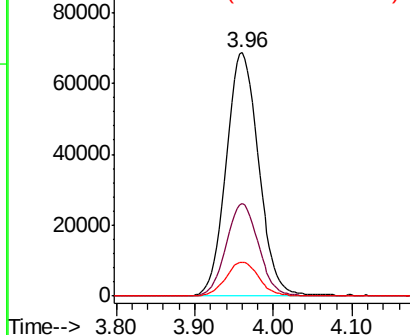
Lab File: VN055631.D

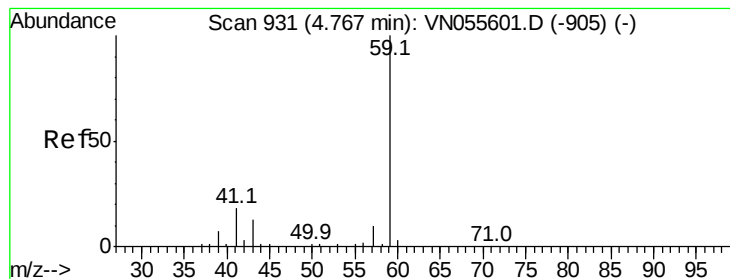
Acq: 17 May 2019 23:27

Tgt Ion:	142	Resp:	197293
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	14.1	11.5	17.3



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

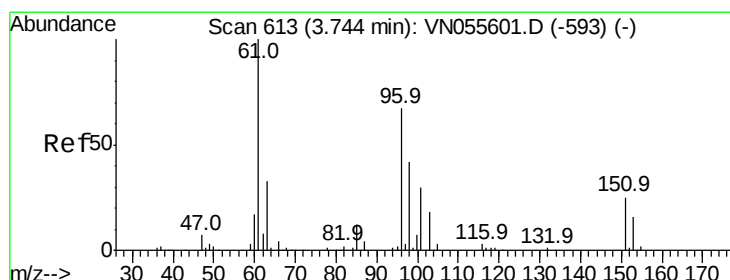
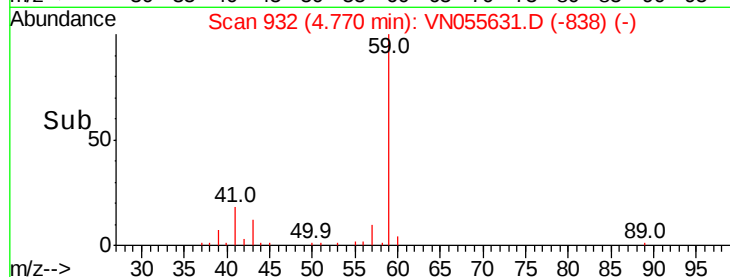
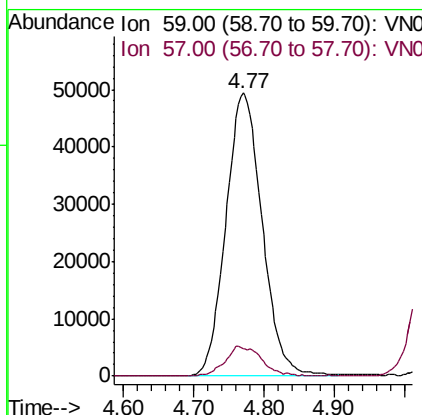
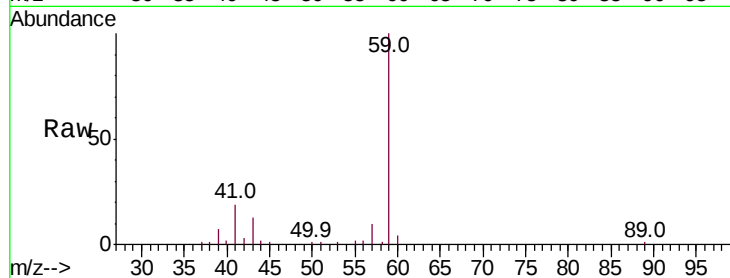
Tert butyl alcohol
Concen: 262.616 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion: 59 Resp: 177445
Ion Ratio Lower Upper
59 100
57 10.8 7.8 11.6

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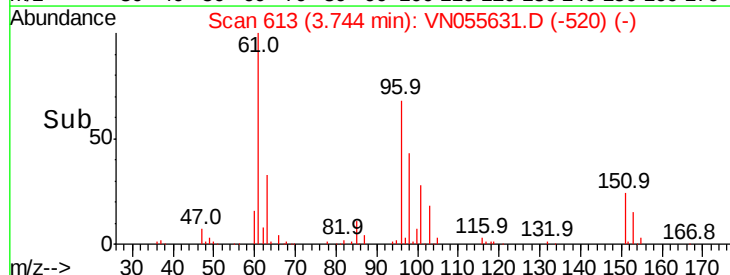
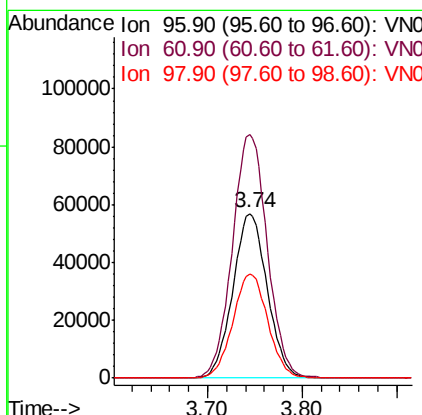
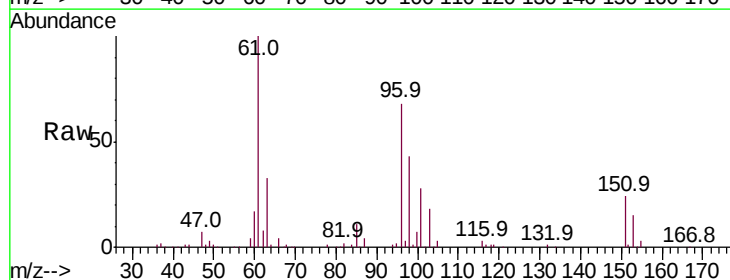
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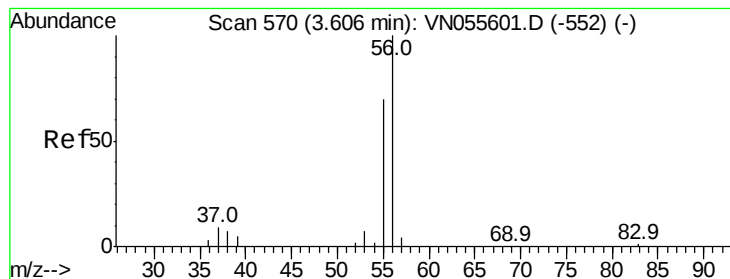


#12

1,1-Dichloroethene
Concen: 47.745 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion: 96 Resp: 144125
Ion Ratio Lower Upper
96 100
61 147.8 120.2 180.2
98 63.0 50.6 75.8





#13

Acrolein

Concen: 232.153 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion: 56 Resp: 79980

Ion Ratio Lower Upper

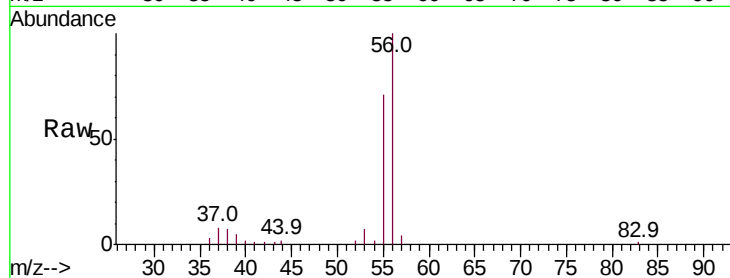
56 100

55 70.6 56.5 84.7

Manual Integrations
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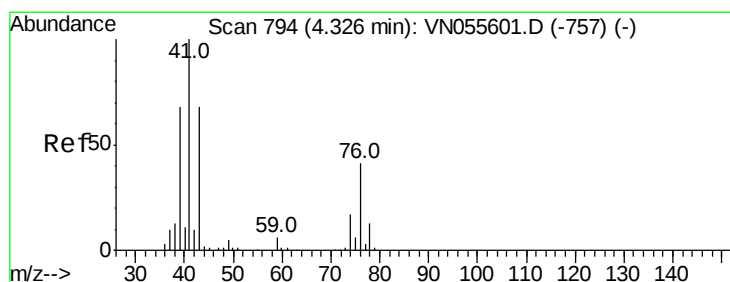
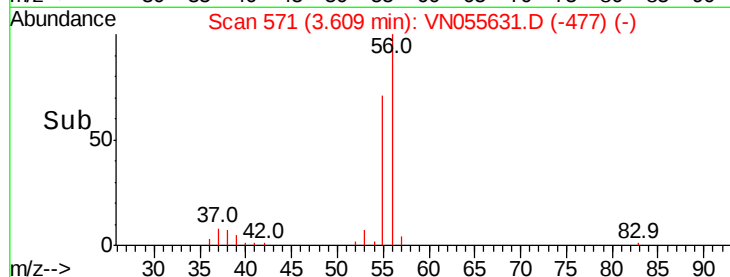
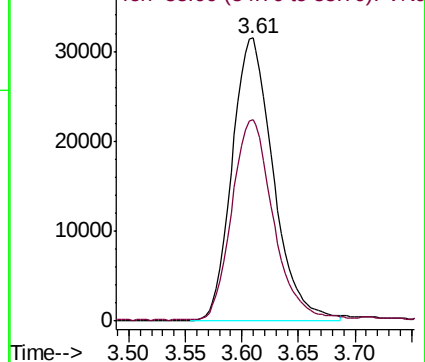
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.130 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

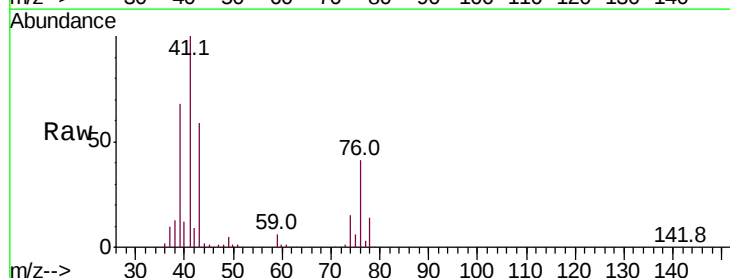
Tgt Ion: 41 Resp: 229671

Ion Ratio Lower Upper

41 100

39 63.2 50.5 75.7

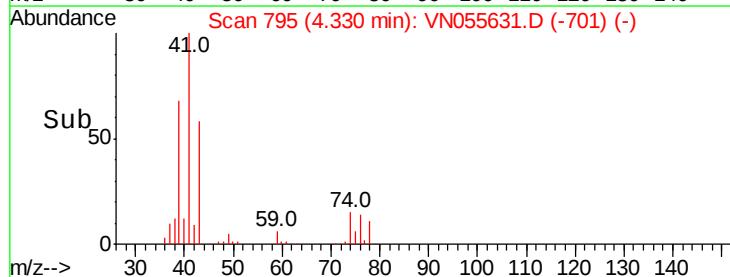
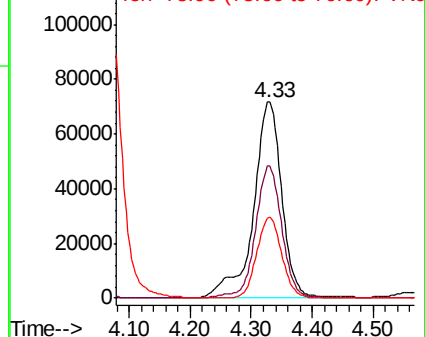
76 36.7 29.2 43.8

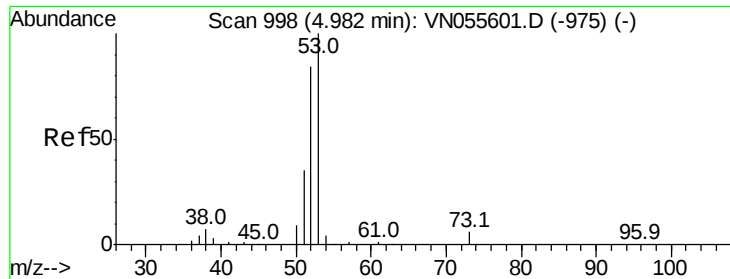


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 257.816 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

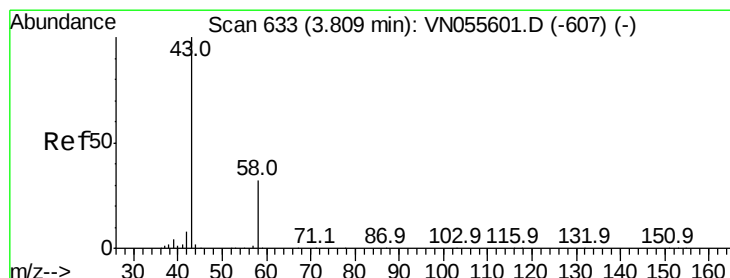
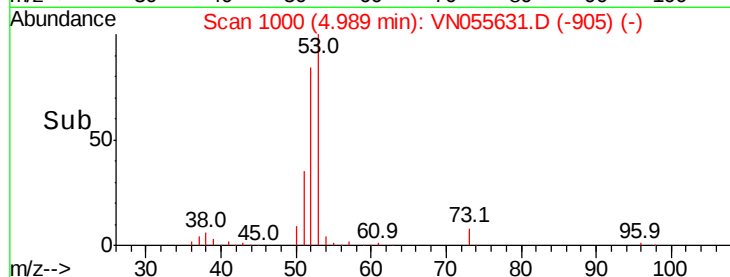
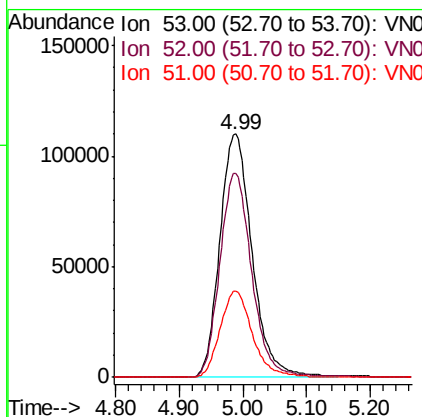
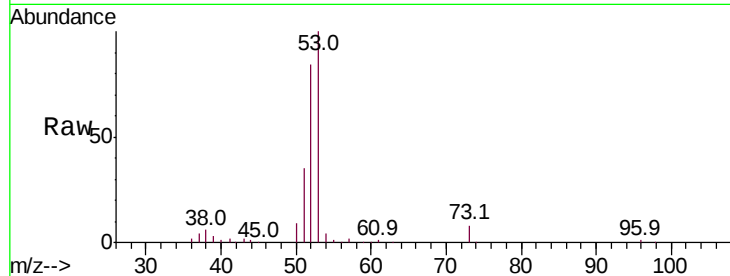
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	53	Resp:	387570
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.2	99.4
51	35.7	28.5	42.7

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#16

Acetone

Concen: 212.383 ug/l

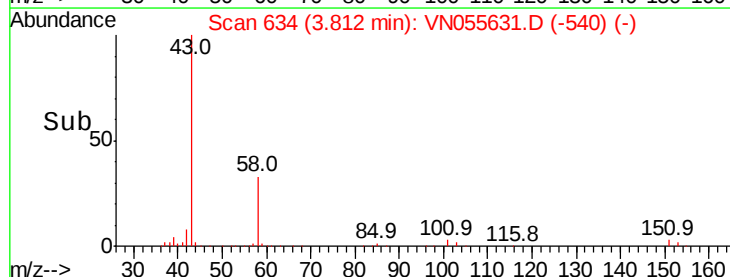
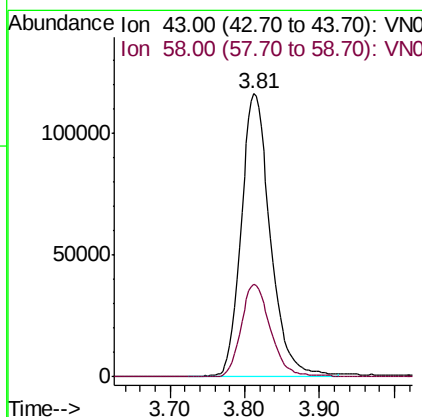
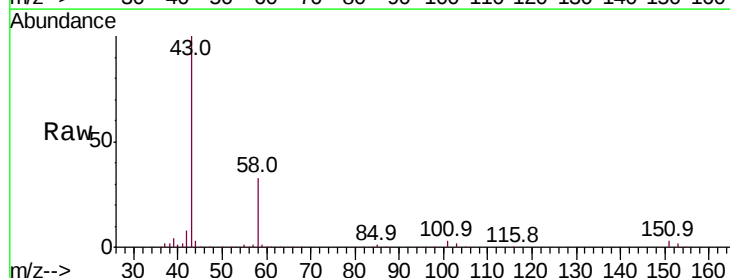
RT: 3.81 min Scan# 634

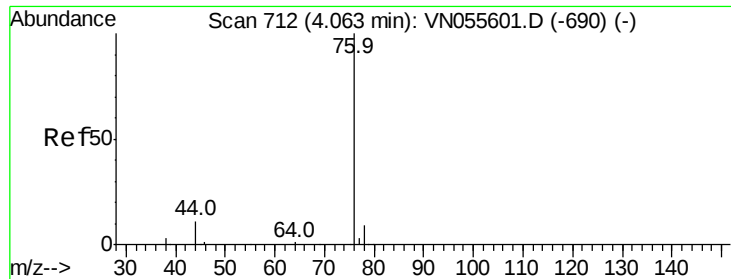
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	43	Resp:	314041
Ion Ratio	Lower	Upper	
43	100		
58	32.6	26.0	39.0





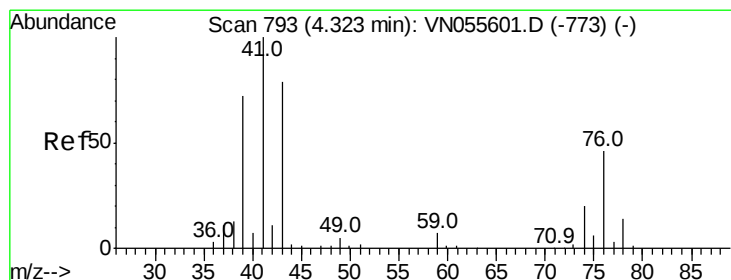
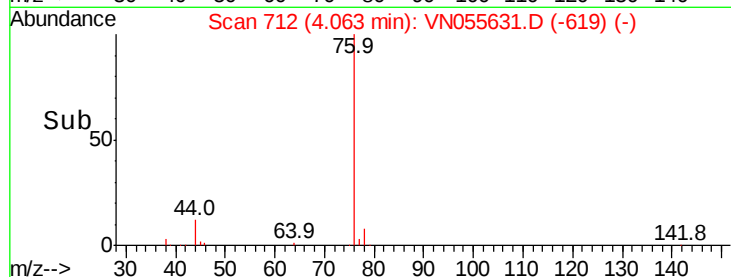
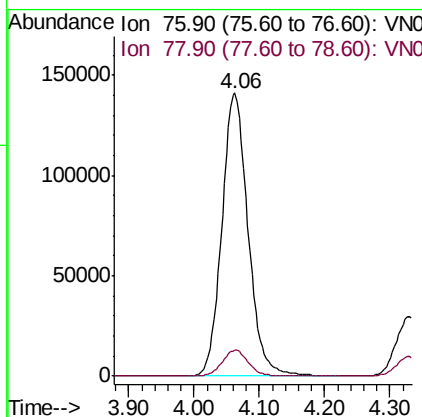
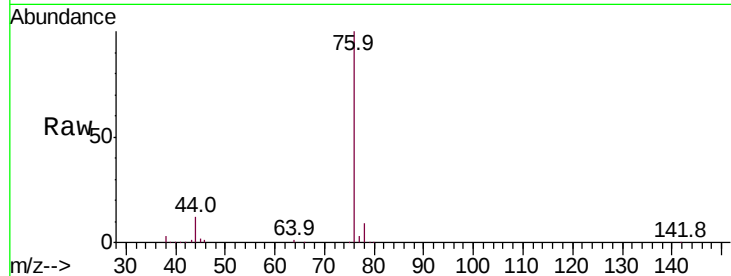
#17
Carbon Disulfide
Concen: 46.736 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

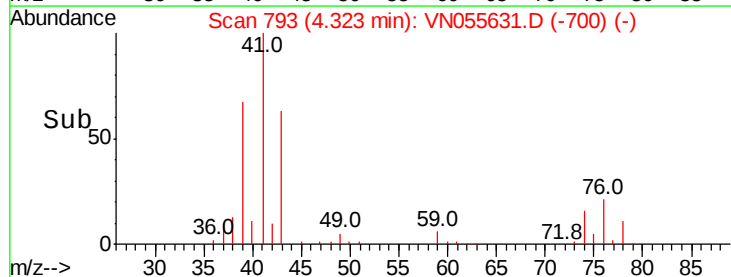
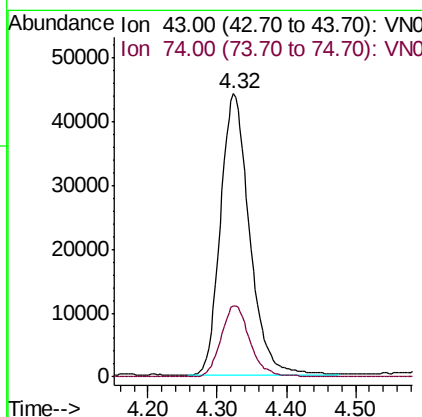
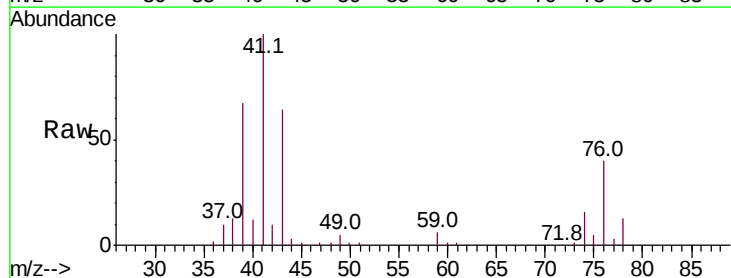
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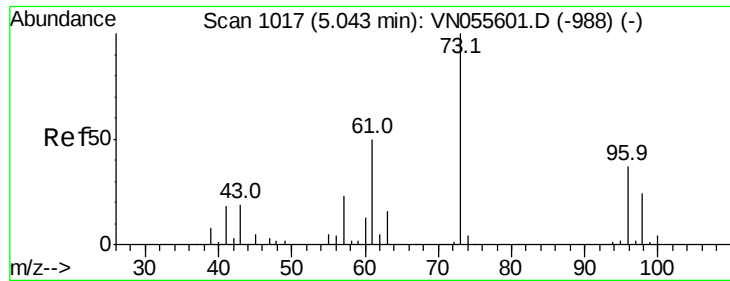
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#18
Methyl Acetate
Concen: 40.718 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.9	29.9





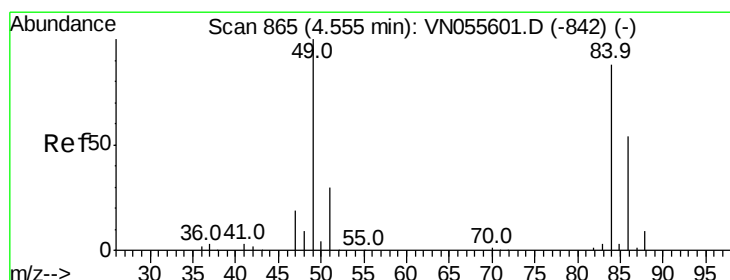
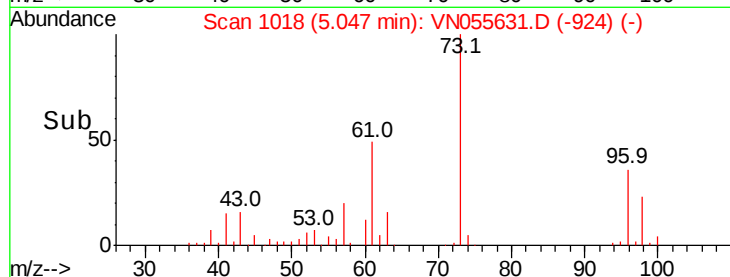
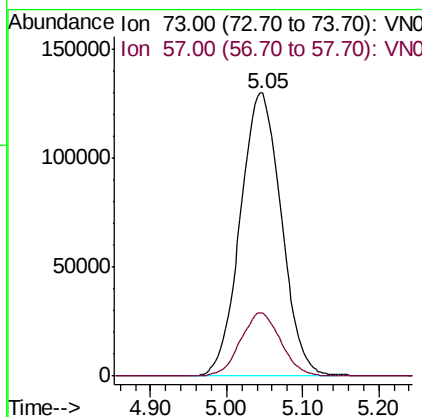
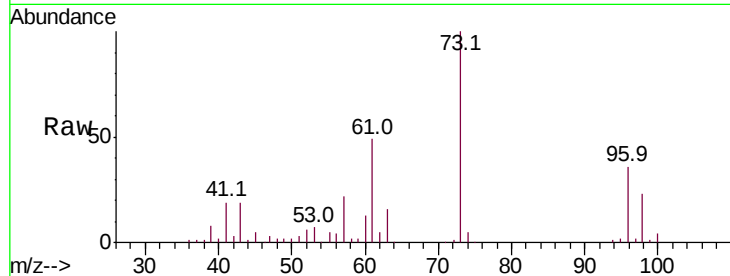
#19
Methyl tert-butyl Ether
Concen: 48.846 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion: 73 Resp: 487796
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2

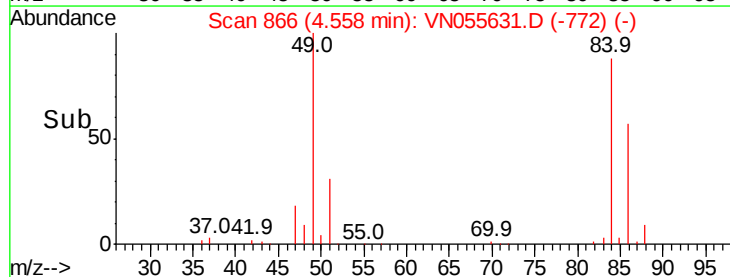
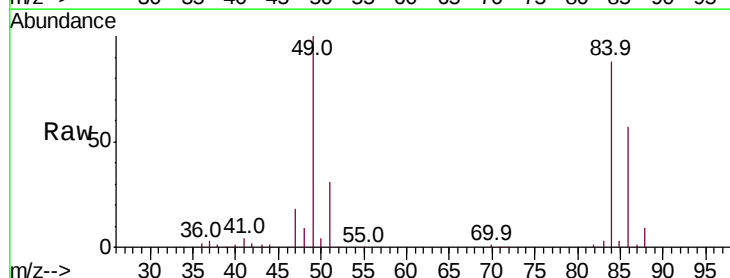
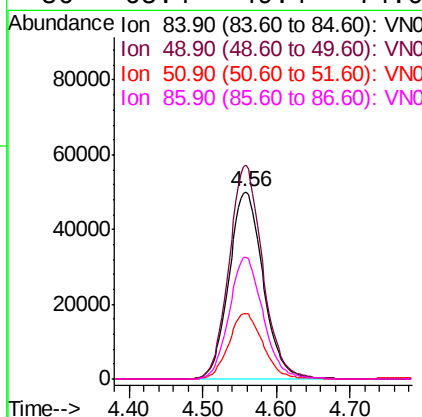
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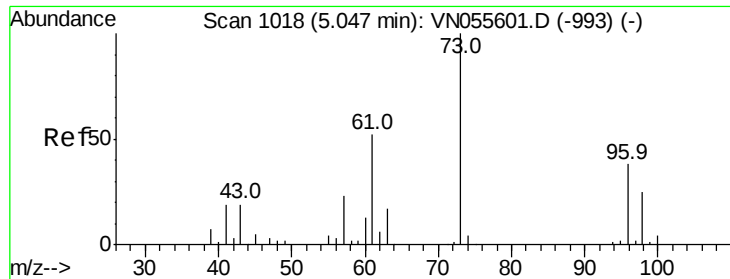
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#20
Methylene Chloride
Concen: 47.975 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion: 84 Resp: 161892
Ion Ratio Lower Upper
84 100
49 114.3 91.0 136.4
51 35.0 27.5 41.3
86 65.4 49.4 74.0





#21

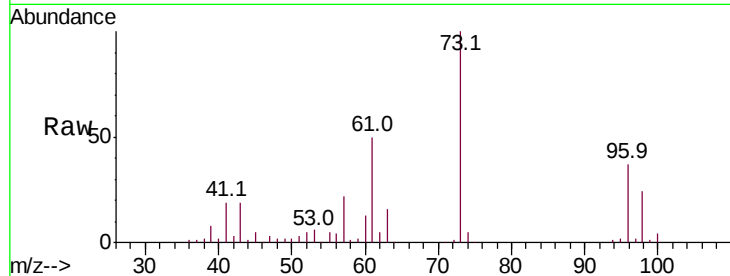
trans-1,2-Dichloroethene
Concen: 47.673 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	108.6	162.8
98	64.6	51.4	77.0

Manual Integrations
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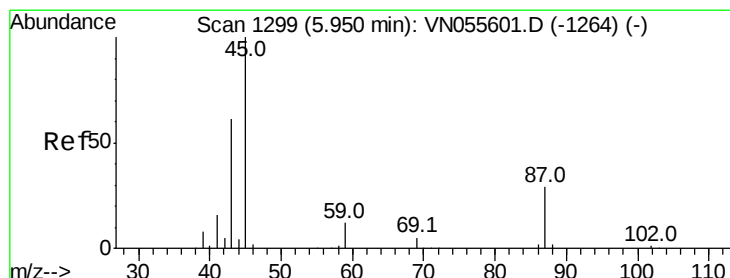
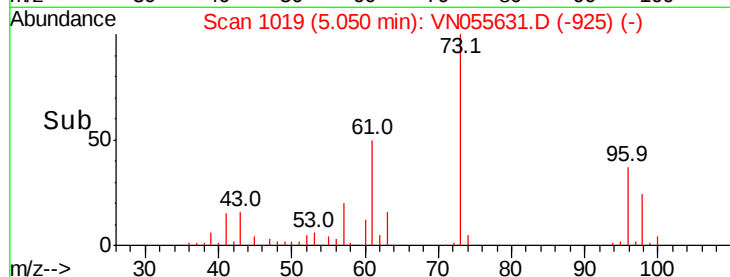
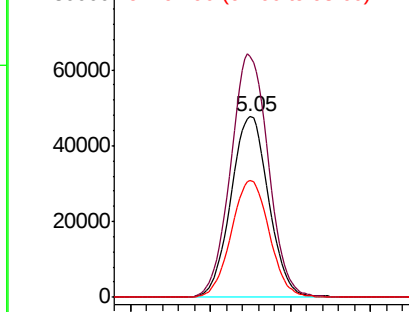


Abundance

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: 47.666 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	50.4	75.6
87	30.1	23.8	35.6
59	11.8	9.5	14.3

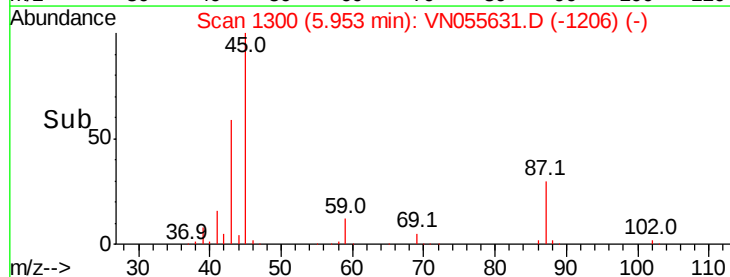
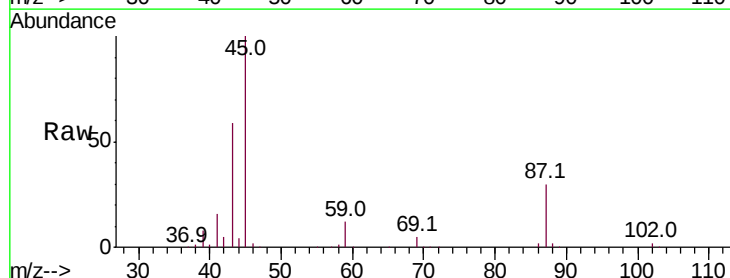
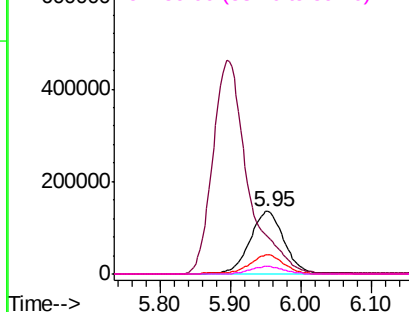
Abundance

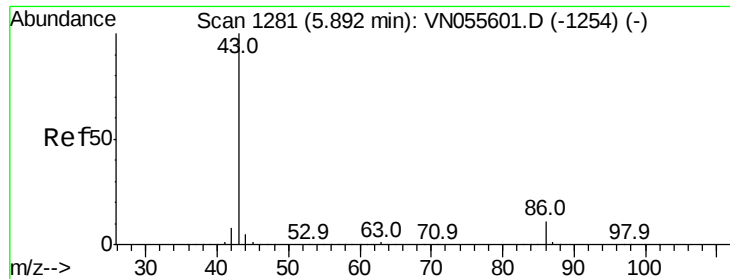
Ion 45.00 (44.70 to 45.70): VN0

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: 196.083 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleID :

FM-EA-3MW01-051519MS

Tot Ion: 43 Resp: 1606638

Ion Ratio Lower Upper

43 100

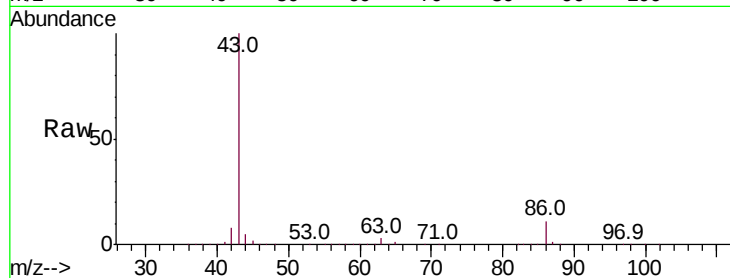
86 11.2 8.7 13.1

Manual Integrations

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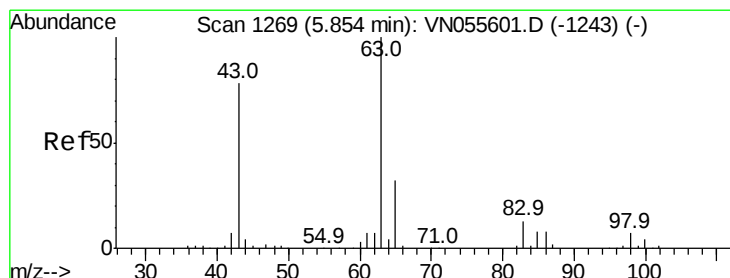
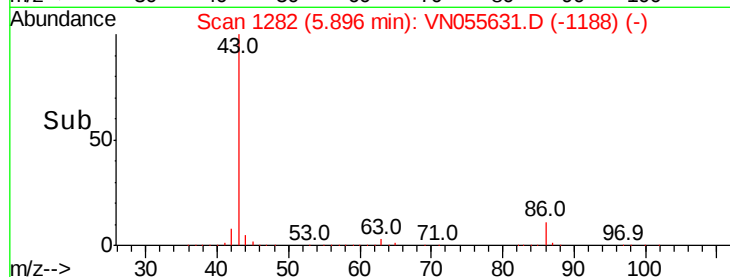
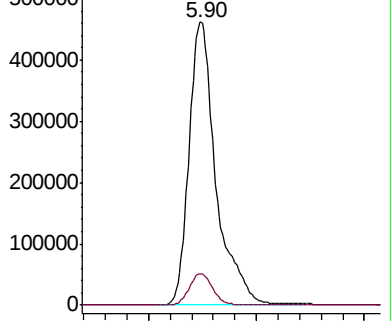
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.031 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

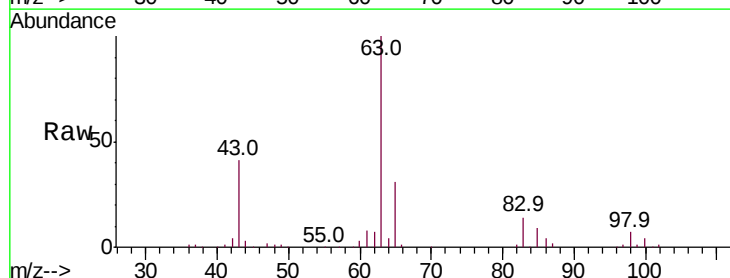
Tgt Ion: 63 Resp: 277615

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

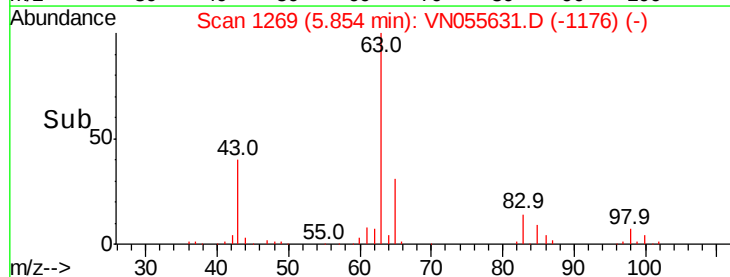
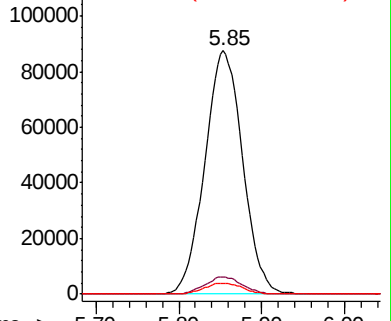
100 4.4 2.2 6.6

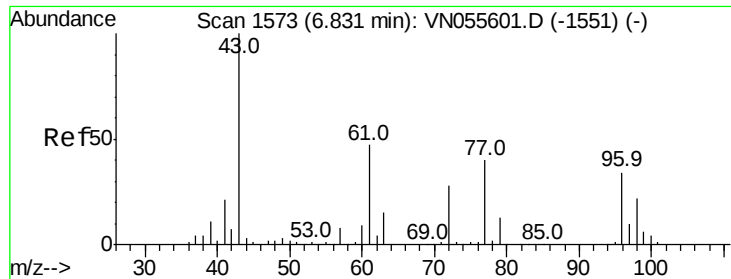


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





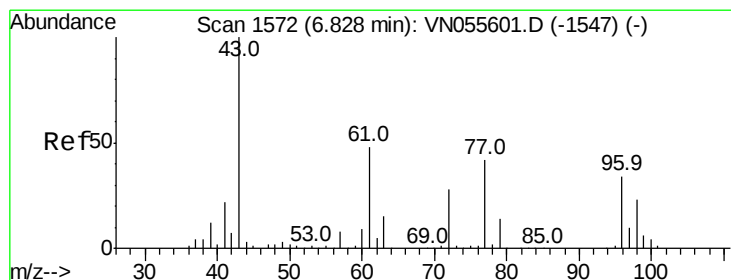
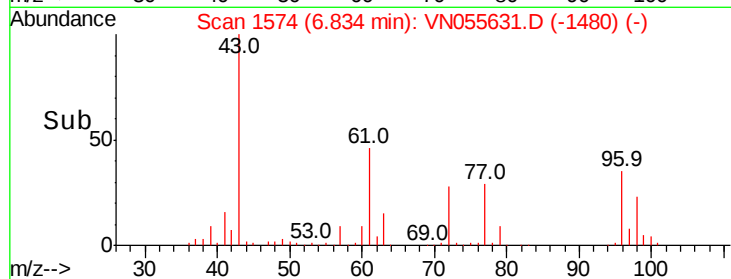
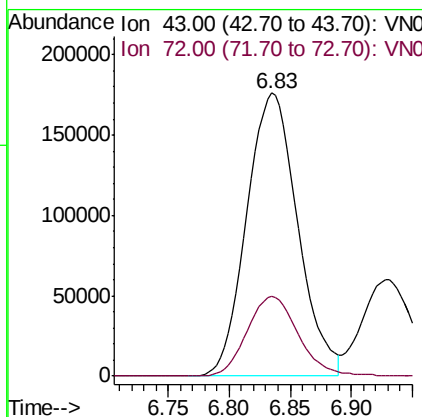
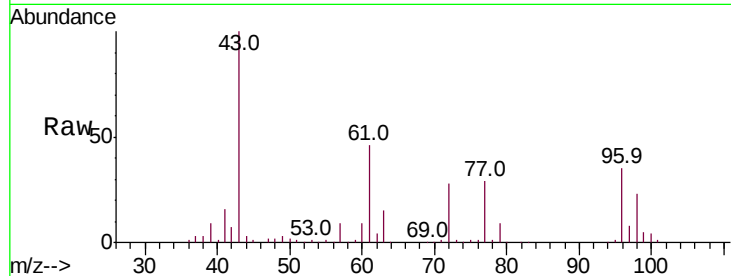
#25
2-Butanone
Concen: 246.546 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion: 43 Resp: 509726
Ion Ratio Lower Upper
43 100
72 28.1 22.3 33.5

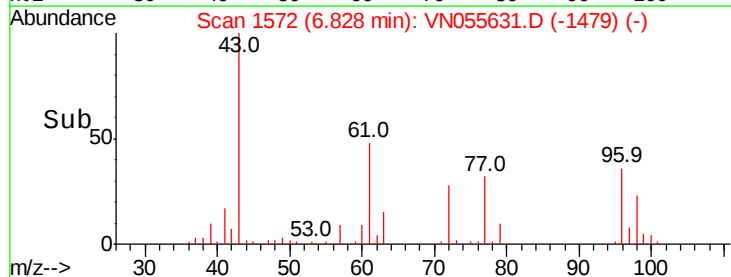
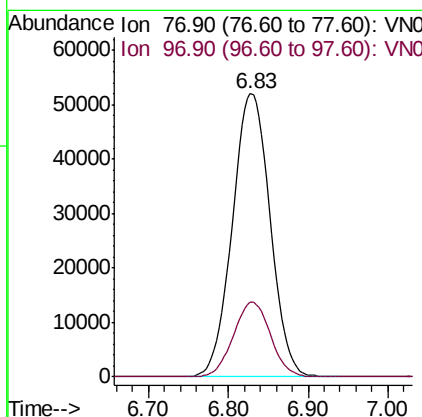
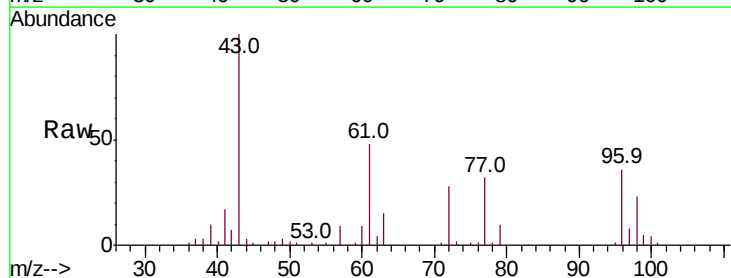
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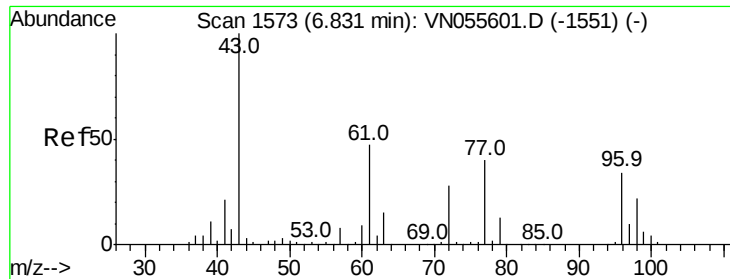
MMDadoda
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#26
2,2-Dichloropropane
Concen: 33.147 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion: 77 Resp: 166569
Ion Ratio Lower Upper
77 100
97 25.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 48.069 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

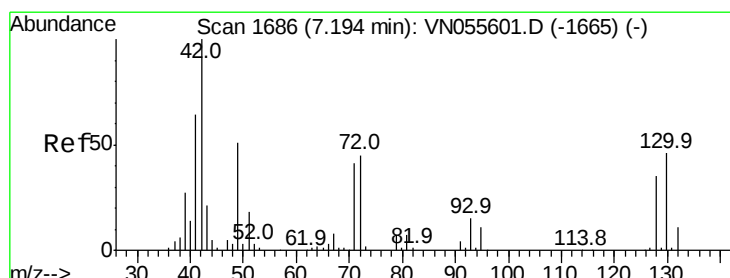
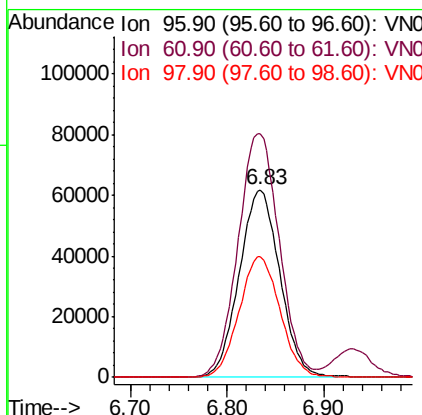
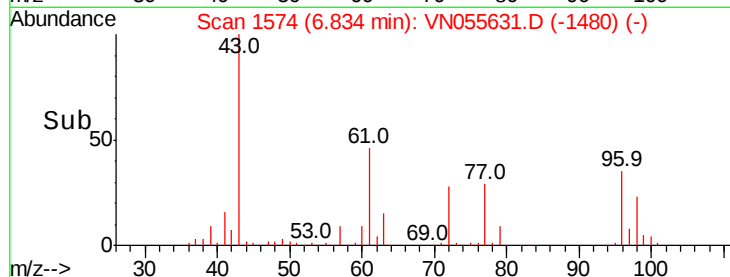
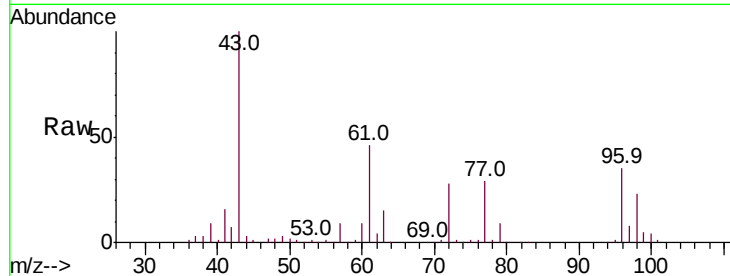
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	96	Resp:	179995
Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	279.0
98	65.0	0.0	131.6

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#28

Bromochloromethane

Concen: 50.818 ug/l

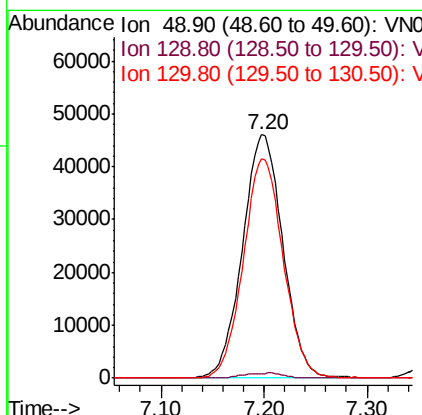
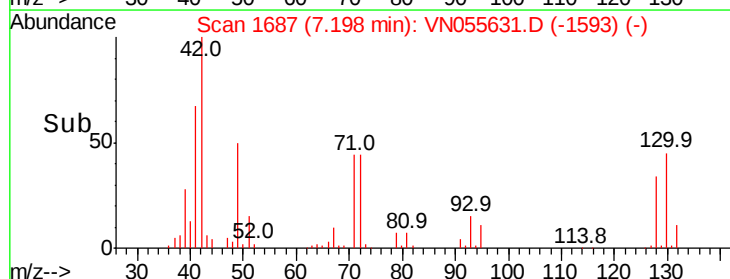
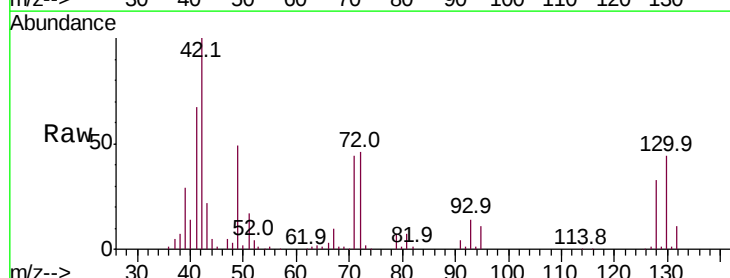
RT: 7.20 min Scan# 1687

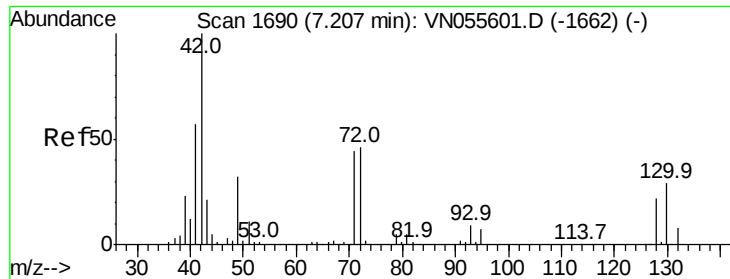
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	49	Resp:	125178
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	89.1	71.0	106.6





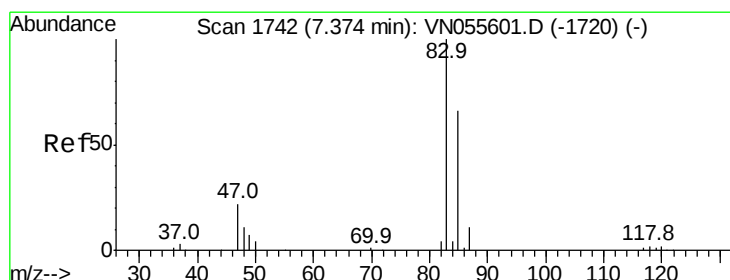
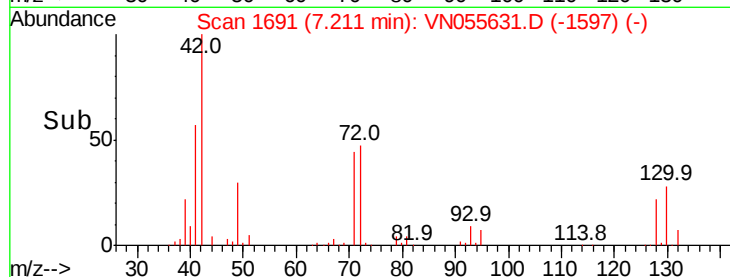
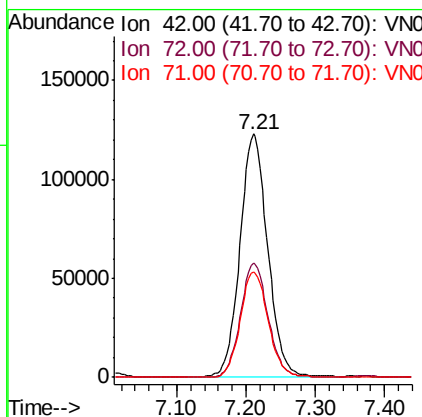
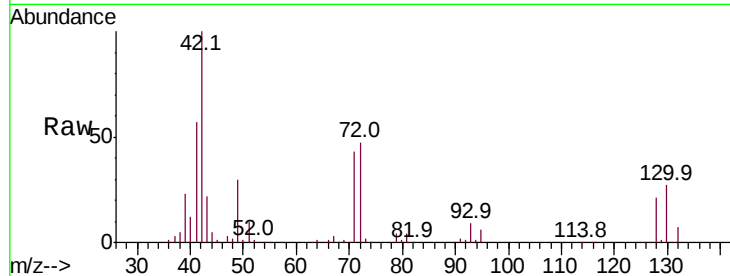
#29
Tetrahydrofuran
Concen: 249.525 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	36.5	54.7
71	43.9	34.9	52.3

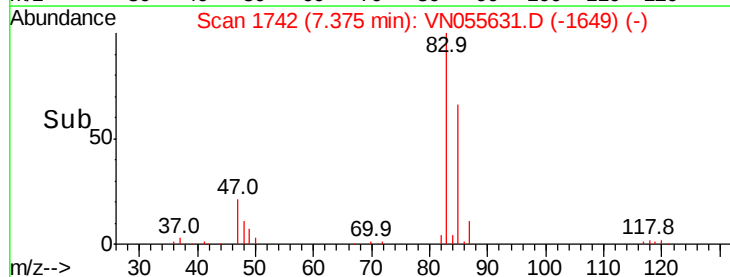
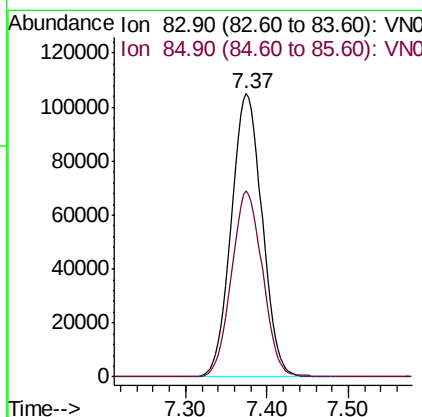
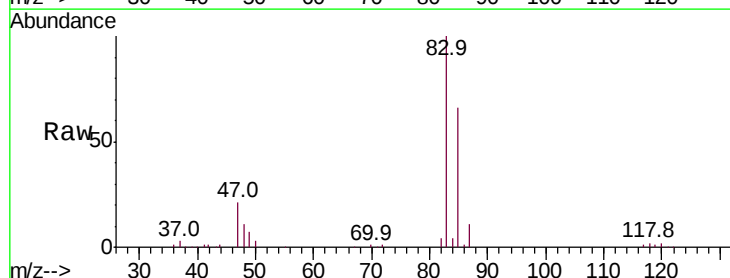
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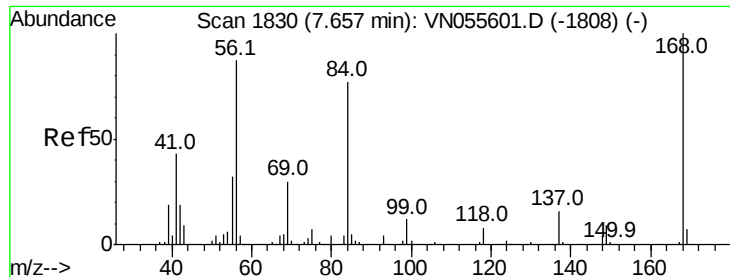
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#30
Chloroform
Concen: 47.739 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8





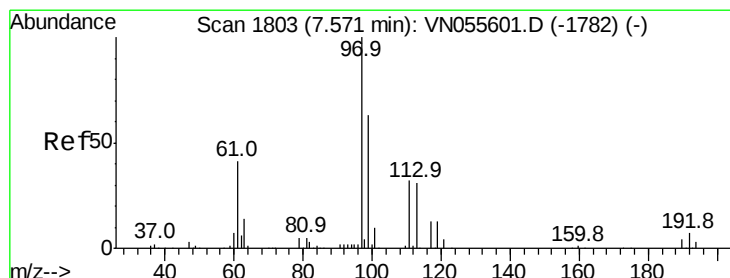
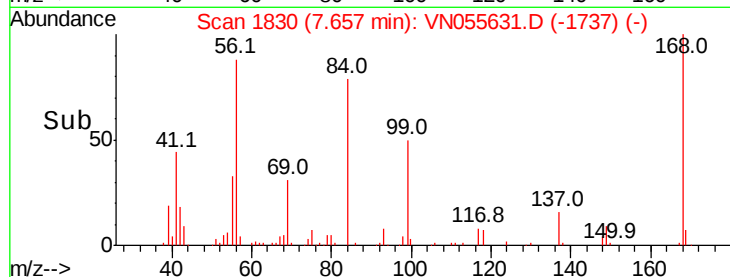
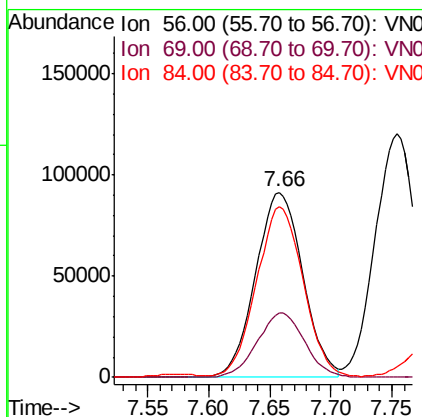
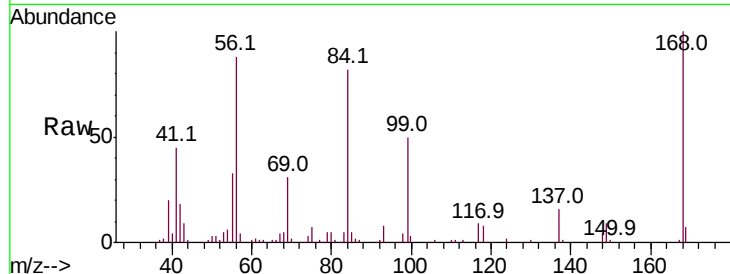
#31
Cyclohexane
Concen: 45.701 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	27.2	40.8
84	90.8	71.3	106.9

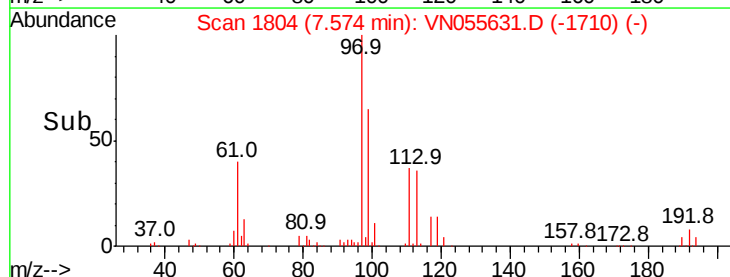
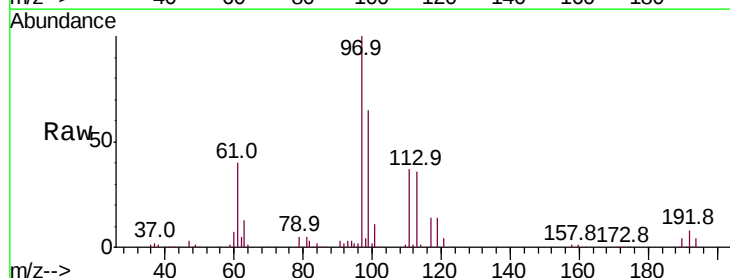
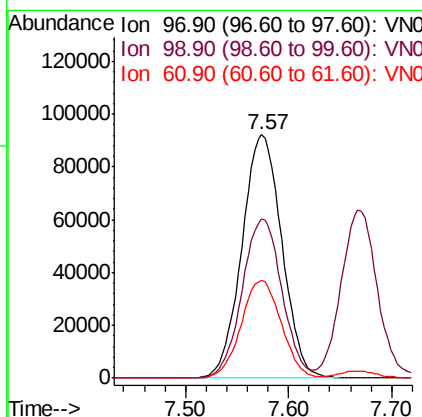
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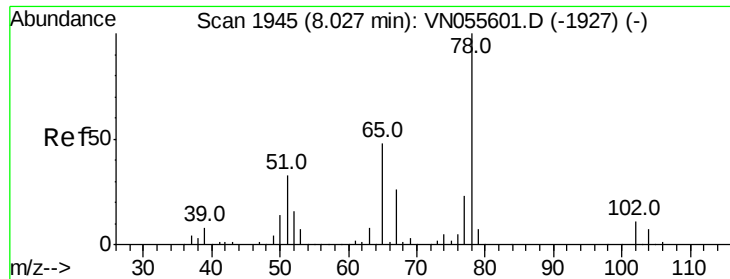
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#32
1,1,1-Trichloroethane
Concen: 47.602 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.2
61	40.4	32.9	49.3





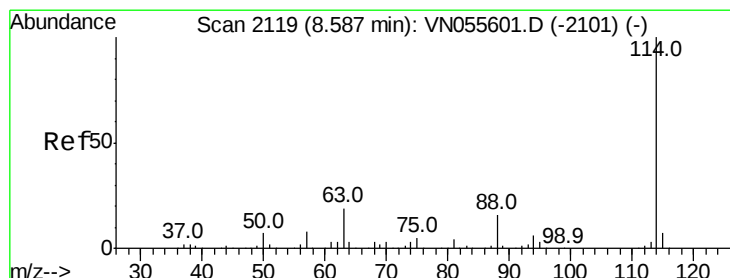
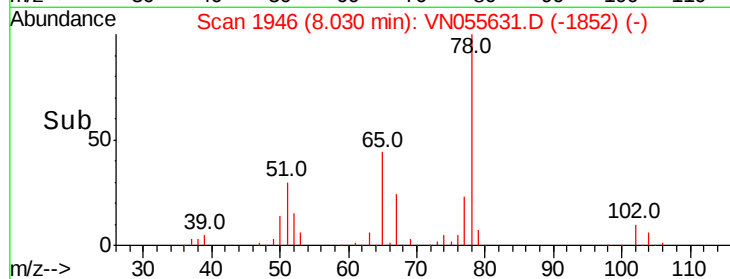
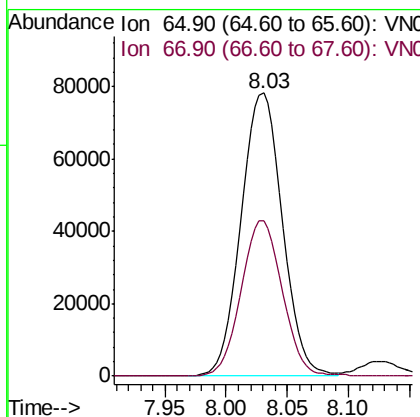
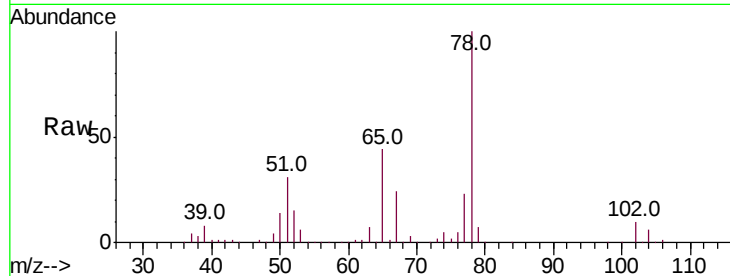
#33
 1,2-Dichloroethane-d4
 Concen: 50.677 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183619		
67	55.0	0.0	108.6	

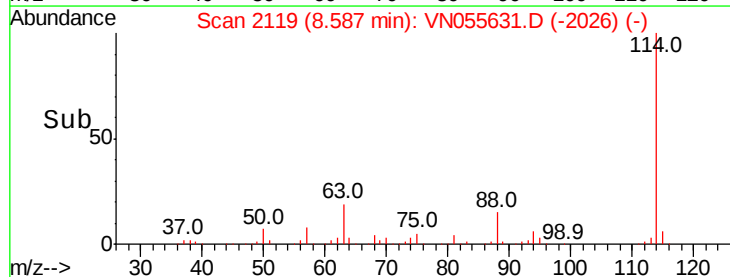
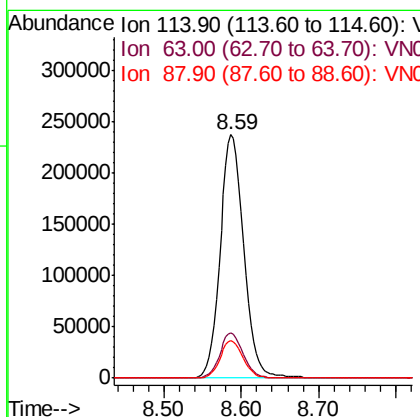
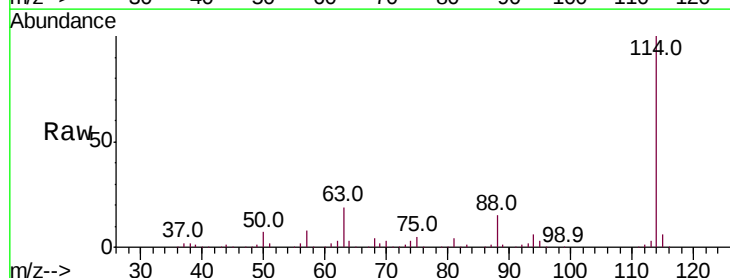
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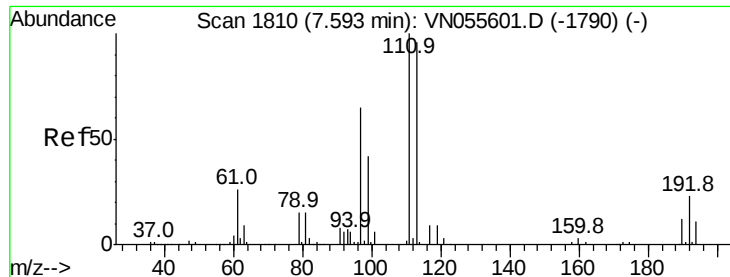
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	505196		
63	18.8	0.0	38.2	
88	15.4	0.0	31.0	





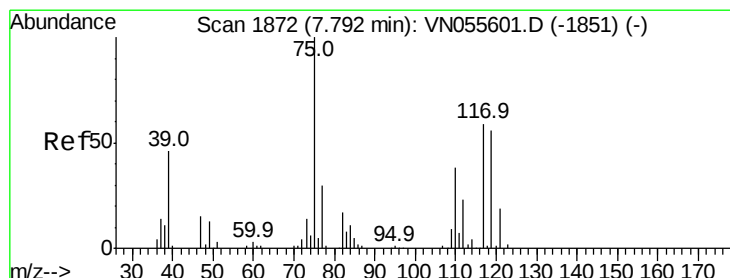
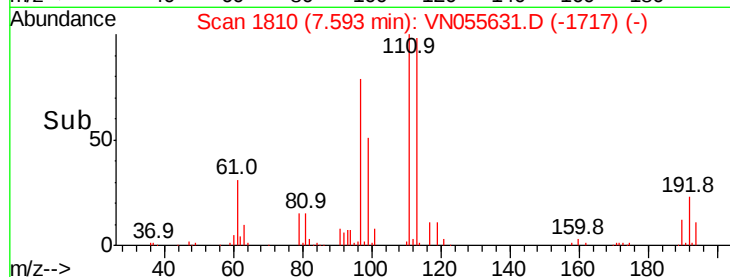
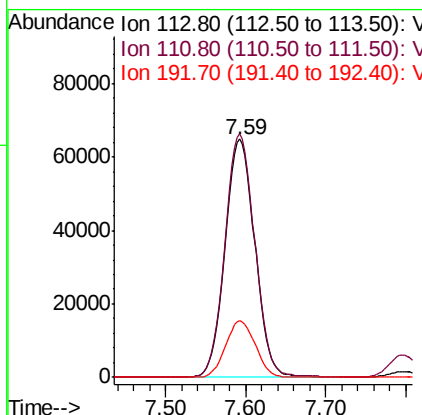
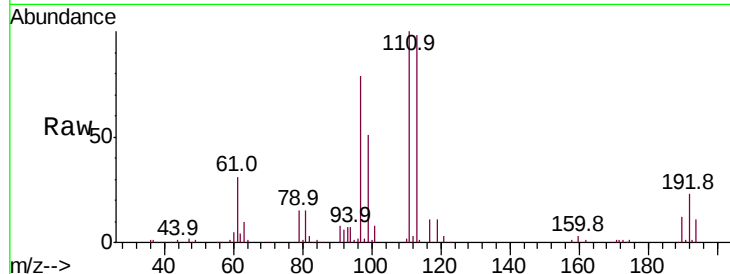
#35
 Dibromofluoromethane
 Concen: 51.576 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	82.5	123.7	
192	23.6	18.7	28.1	

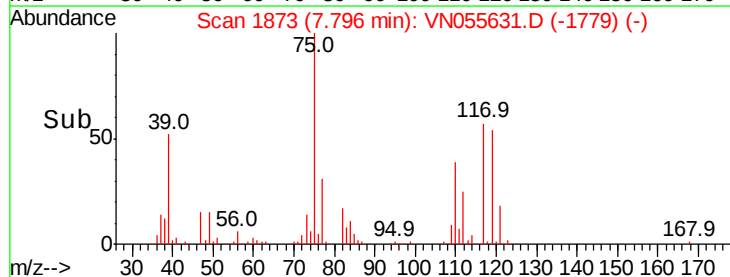
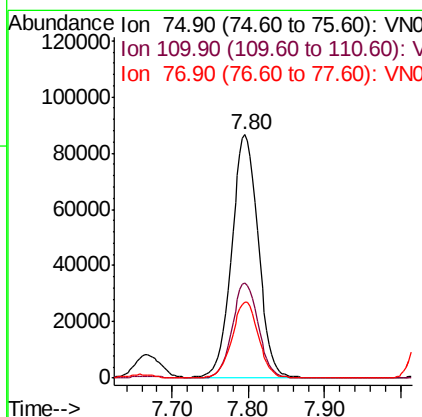
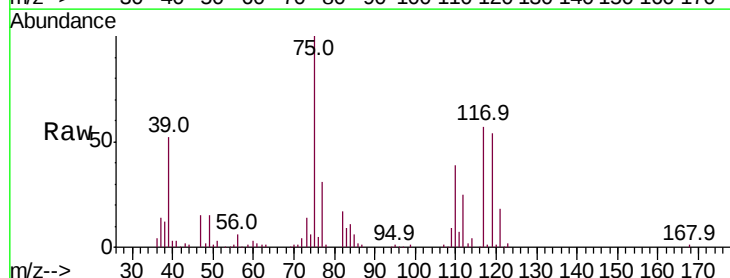
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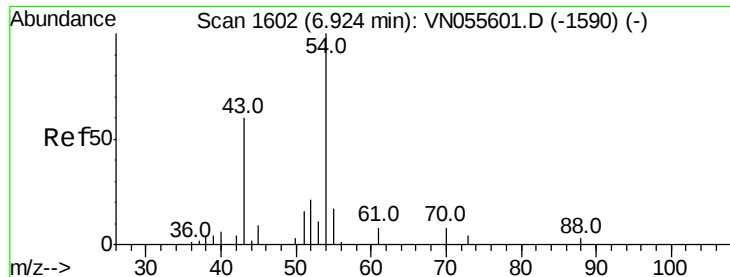
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#36
 1,1-Dichloropropene
 Concen: 46.794 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.4	18.6	55.6	
77	31.3	24.9	37.3	





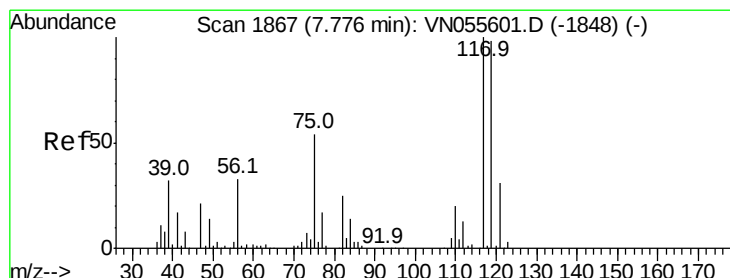
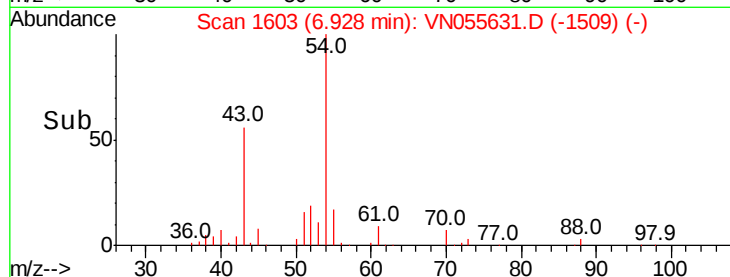
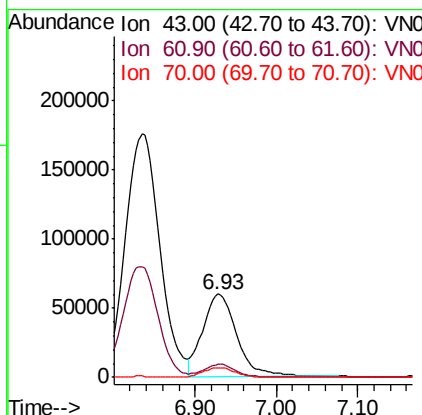
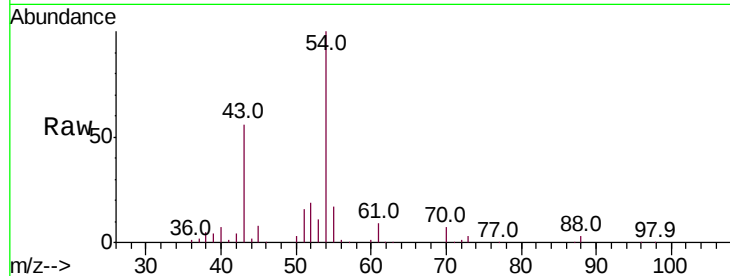
#37
Ethyl Acetate
Concen: 43.004 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	11.4	9.2	13.8

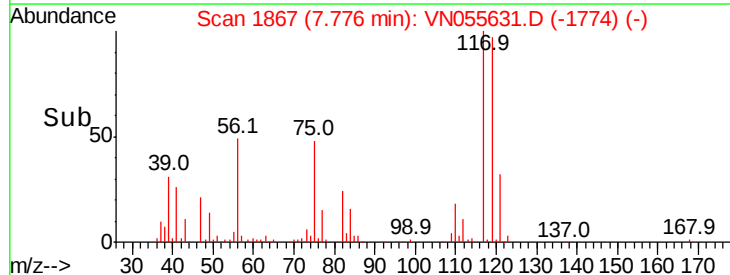
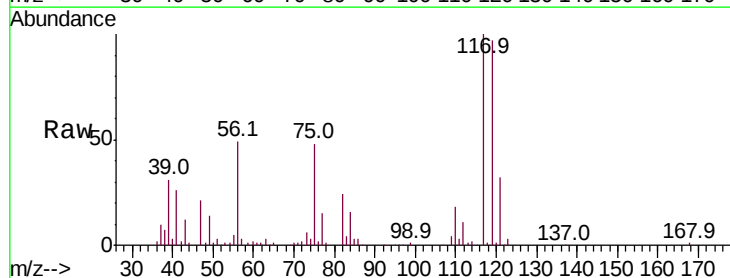
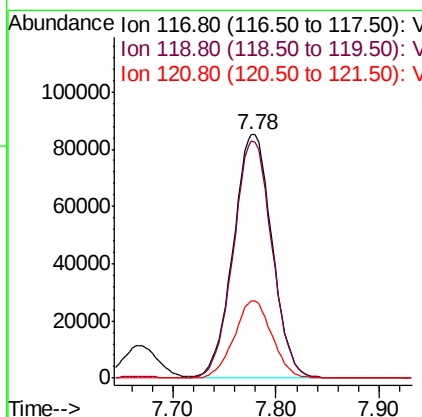
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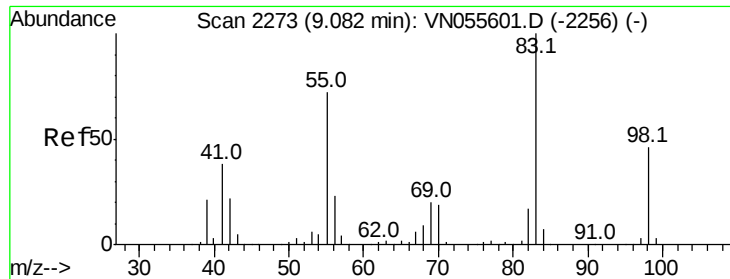
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#38
Carbon Tetrachloride
Concen: 46.146 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.8
121	31.7	24.6	37.0





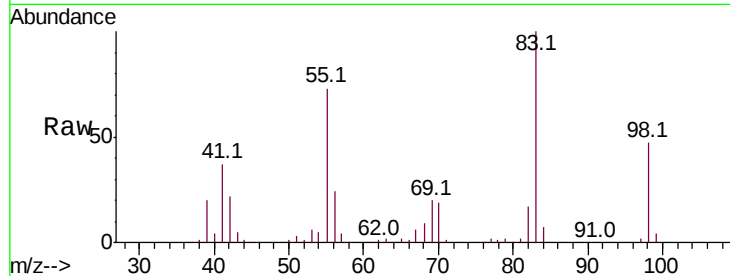
#39
Methvlcvclohexane
Concen: 44.901 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

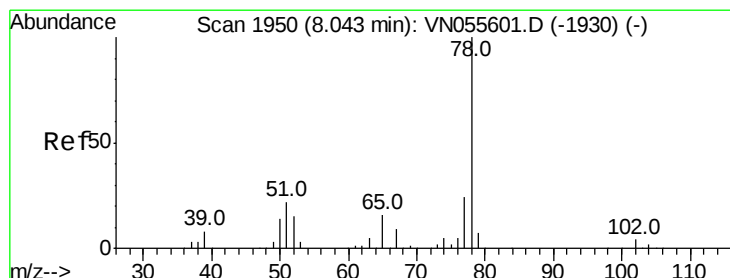
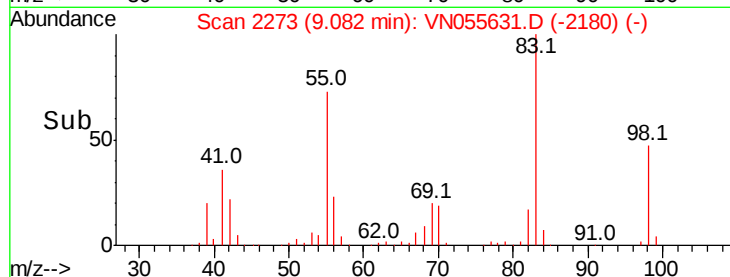
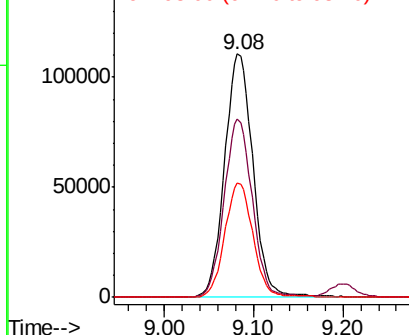
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	57.8	86.6
98	47.0	36.7	55.1

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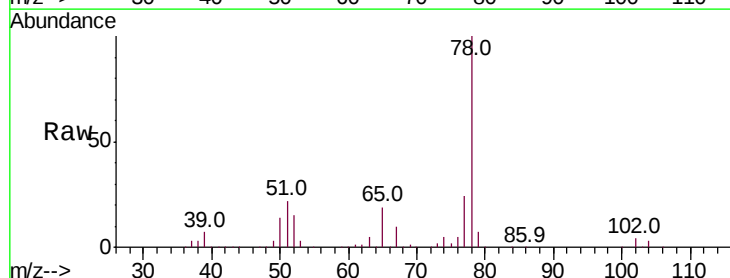


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

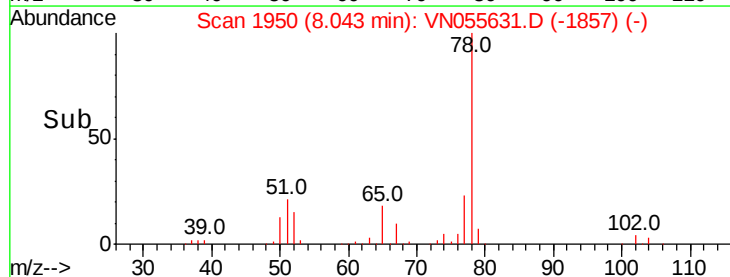
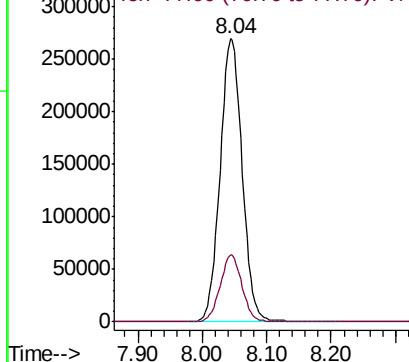


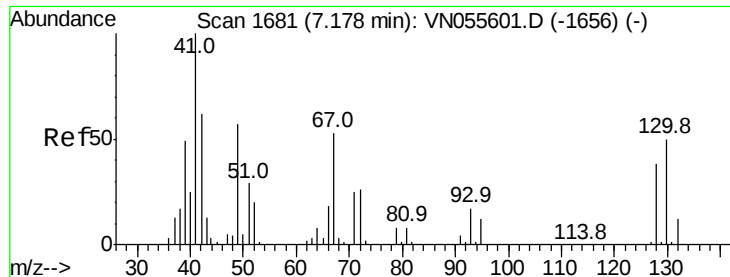
#40
Benzene
Concen: 48.452 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 50.892 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tot Ion: 41 Resp: 88434

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Instrument :

MSVOA_N

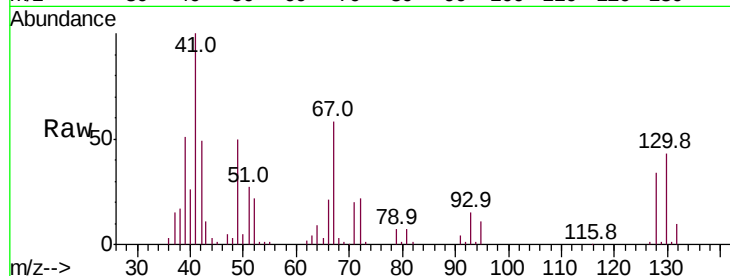
ClientSampleId :

FM-EA-3MW01-051519MS

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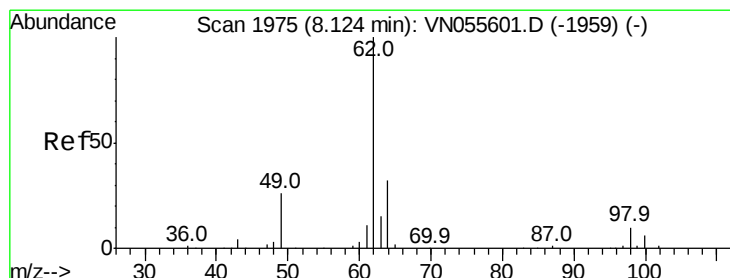
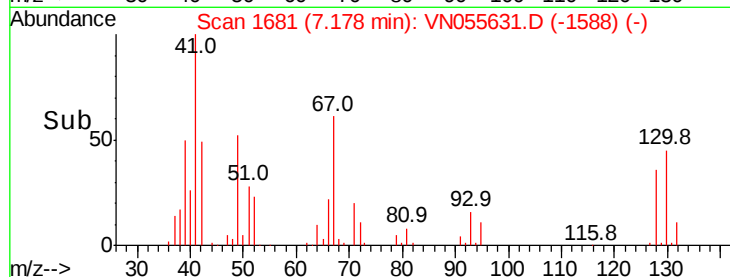
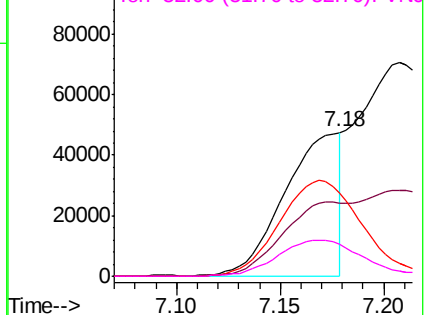


Abundance Ion 41.00 (40.70 to 41.70): VN055631.D (-1656) (-)

Ion 39.00 (38.70 to 39.70): VN055631.D (-1656) (-)

Ion 67.00 (66.70 to 67.70): VN055631.D (-1656) (-)

Ion 52.00 (51.70 to 52.70): VN055631.D (-1656) (-)



#42

1,2-Dichloroethane

Concen: 49.190 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055631.D

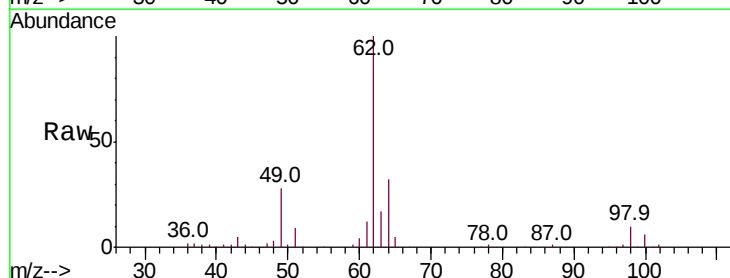
Acq: 17 May 2019 23:27

Tgt Ion: 62 Resp: 211025

Ion Ratio Lower Upper

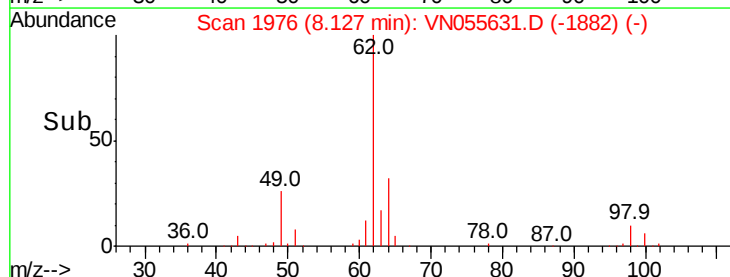
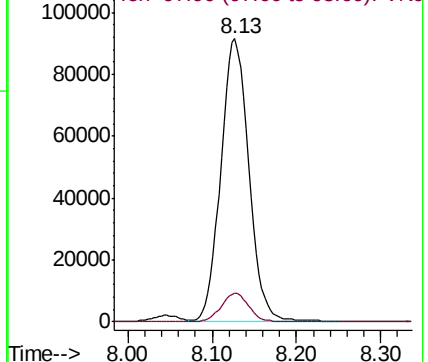
62 100

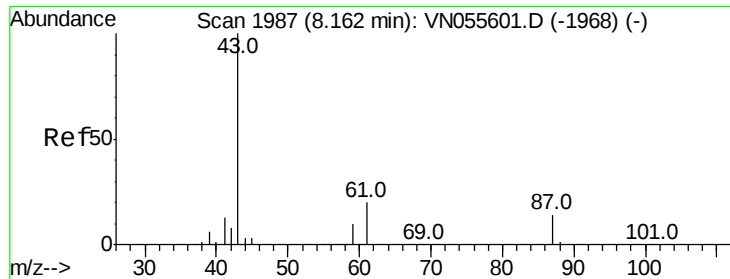
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN055631.D (-1882) (-)

Ion 97.90 (97.60 to 98.60): VN055631.D (-1882) (-)





#43

Isopropyl Acetate

Concen: 43.616 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

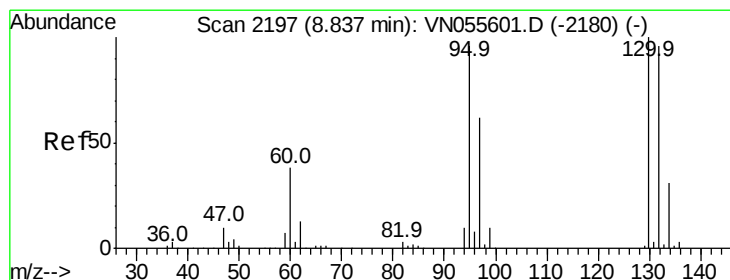
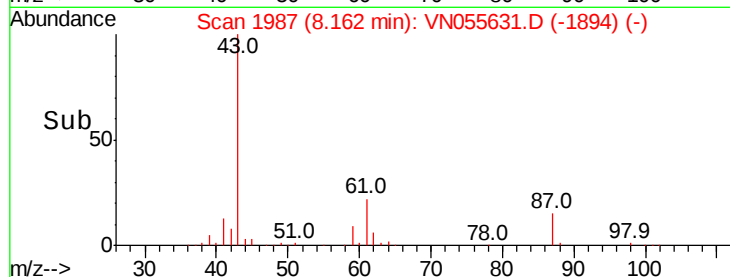
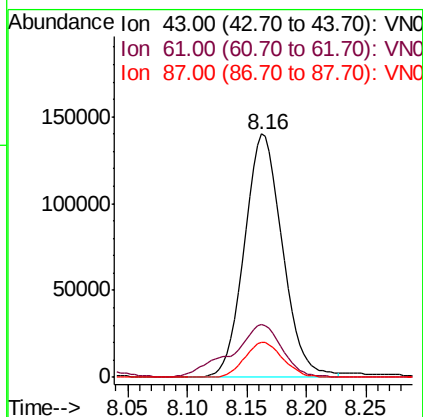
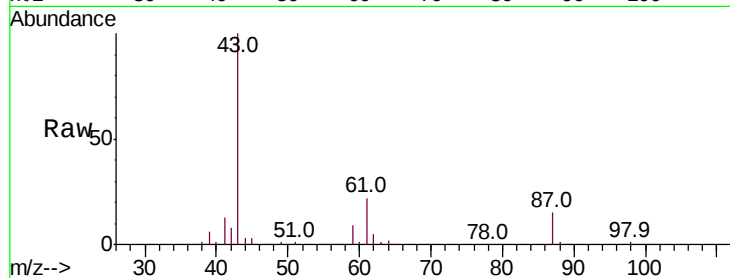
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	43	Resp:	308366
Ion Ratio	Lower	Upper	
43	100		
61	28.7	22.1	33.1
87	14.8	11.8	17.6

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#44

Trichloroethene

Concen: 49.547 ug/l

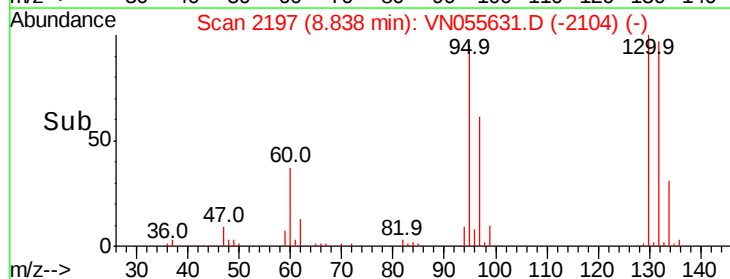
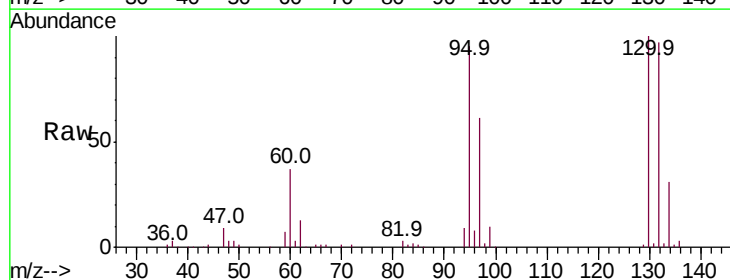
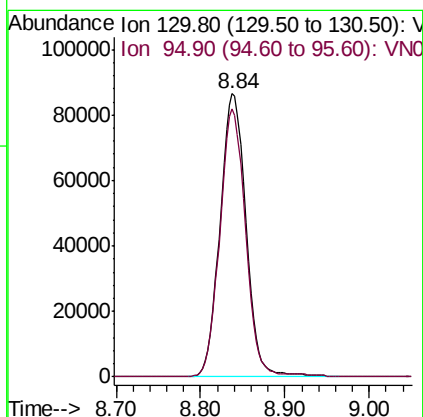
RT: 8.84 min Scan# 2197

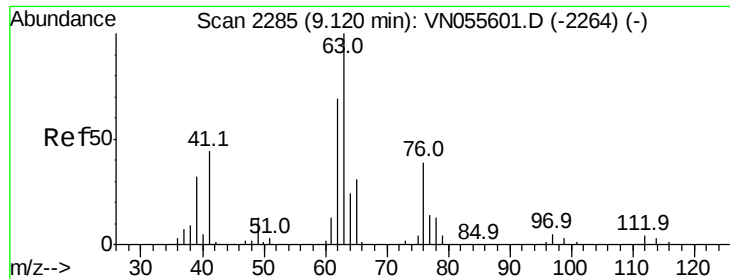
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	130	Resp:	185219
Ion Ratio	Lower	Upper	
130	100		
95	94.6	0.0	191.0





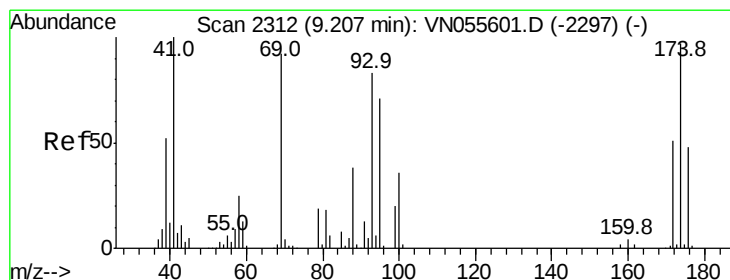
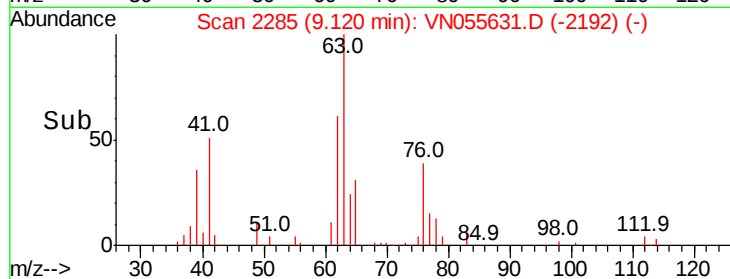
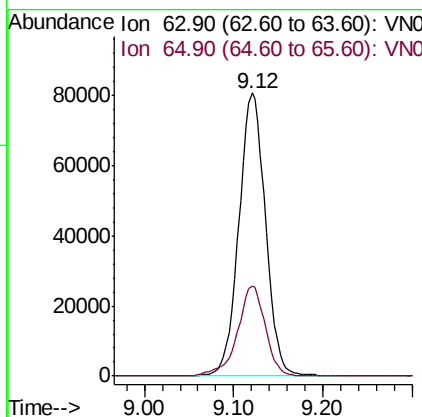
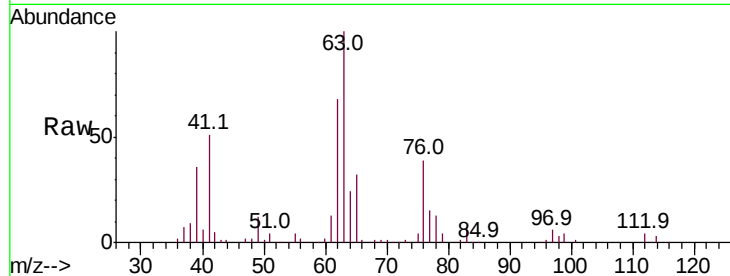
#45
 1,2-Dichloropropane
 Concen: 47.995 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MS

Tot Ion: 63 Resp: 167507
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.2 37.8

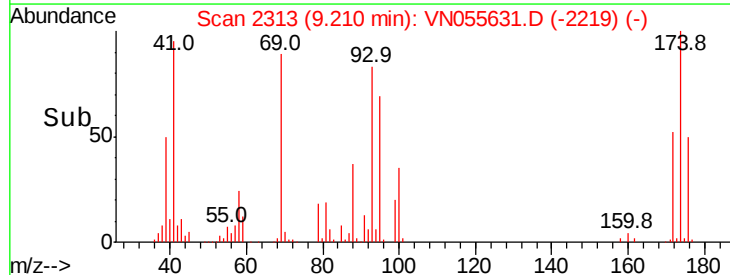
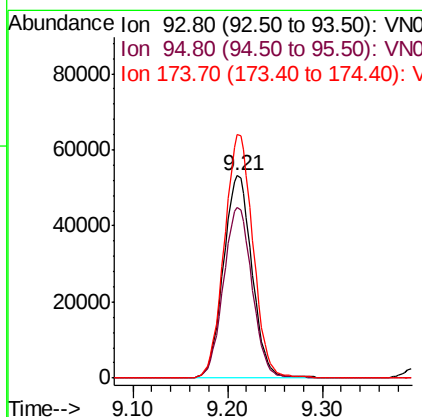
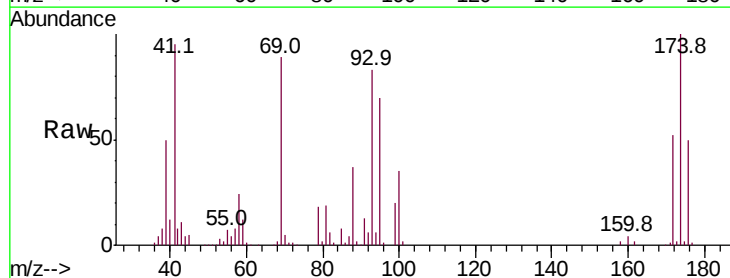
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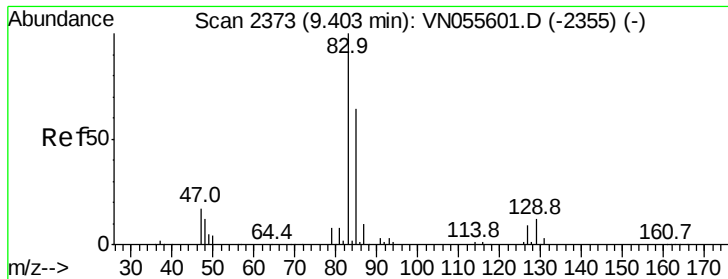
MMDadoda
 5/20/2019 9:09:14 AM



#46
 Dibromomethane
 Concen: 48.951 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Tgt Ion: 93 Resp: 111815
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.9 101.9
 174 120.7 93.8 140.6





#47

Bromodichloromethane

Concen: 47.602 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

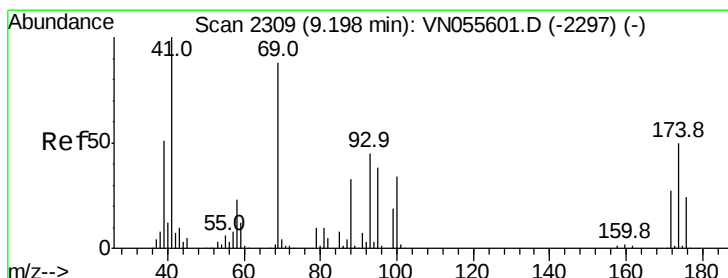
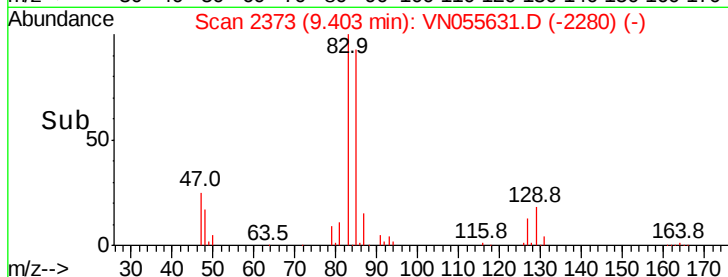
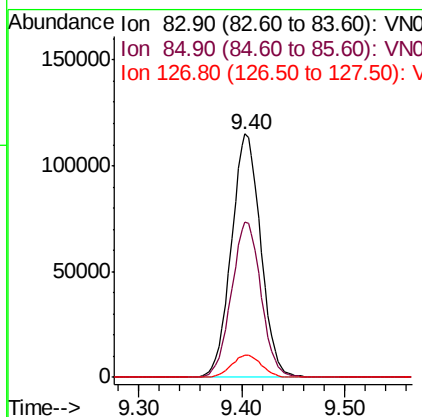
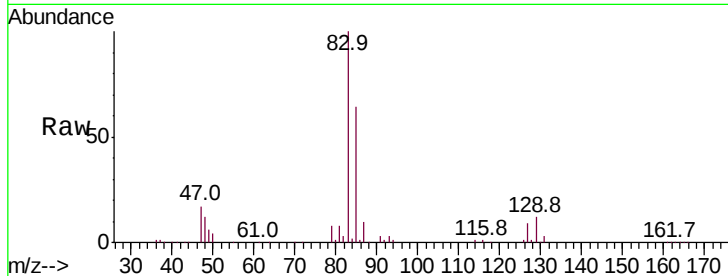
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	83	Resp:	227893
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.4	77.0
127	9.1	7.1	10.7

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#48

Methyl methacrylate

Concen: 50.140 ug/l

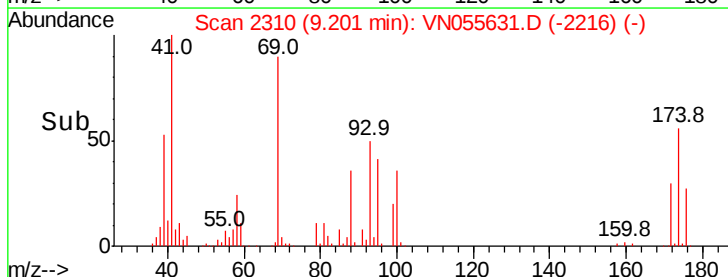
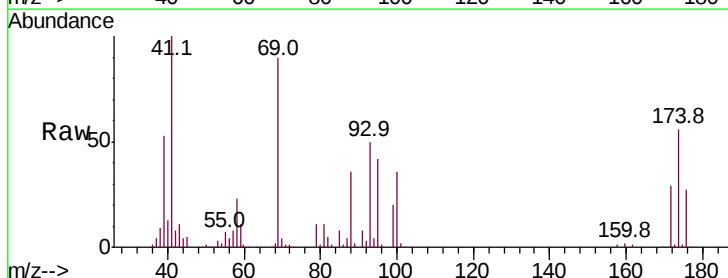
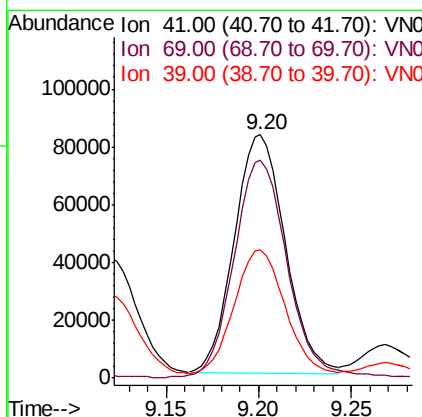
RT: 9.20 min Scan# 2310

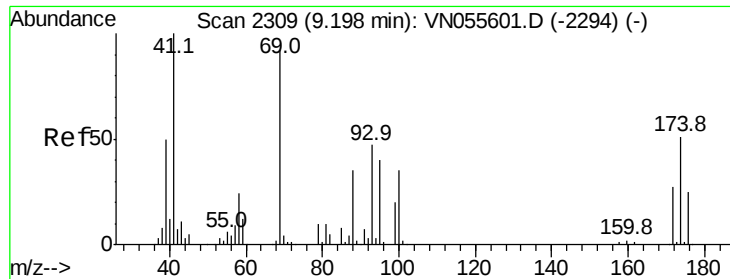
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	41	Resp:	158448
Ion Ratio	Lower	Upper	
41	100		
69	95.9	74.2	111.2
39	55.4	43.8	65.8





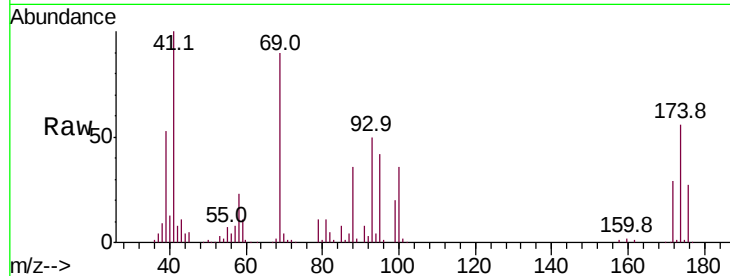
#49
1,4-Dioxane
Concen: 1117.673 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion	88	Resp	70182
Ion	Ratio	Lower	Upper
88	100		
43	26.7	22.4	33.6
58	64.6	53.4	80.2

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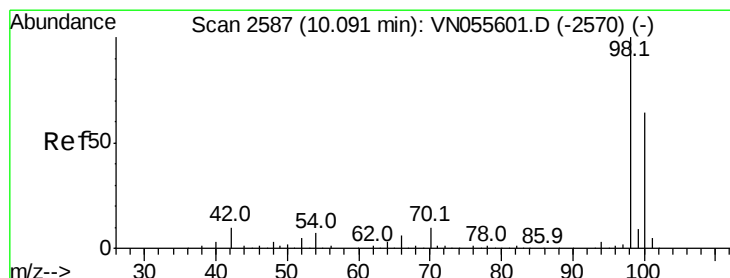
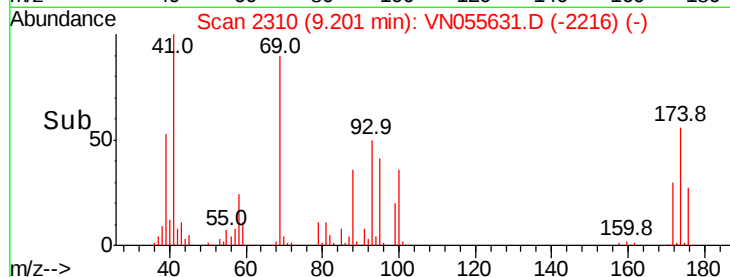
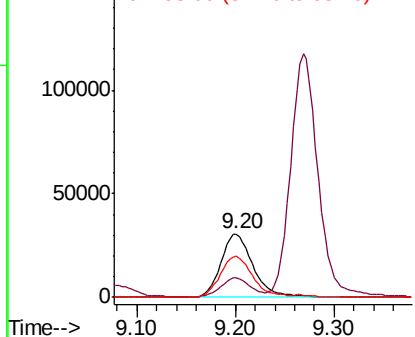


Abundance

Ion 88.00 (87.70 to 88.70): VN0

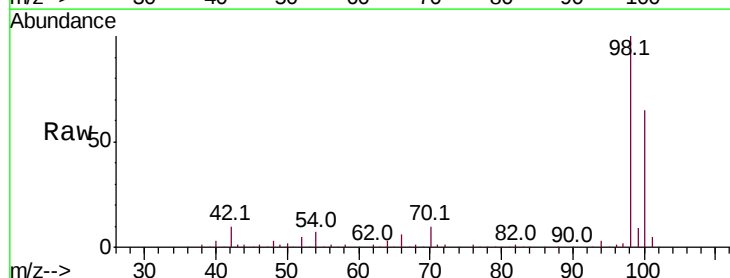
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.757 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

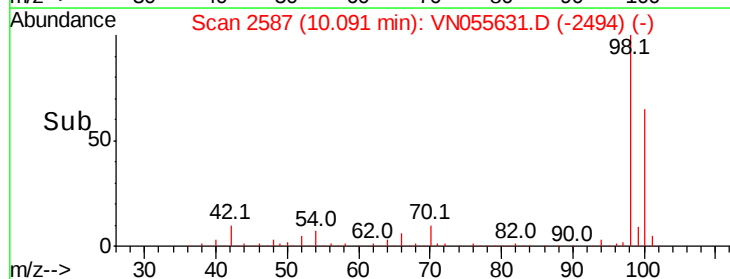
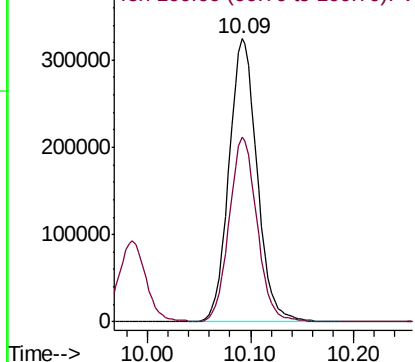
Tgt Ion	98	Resp	615910
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9

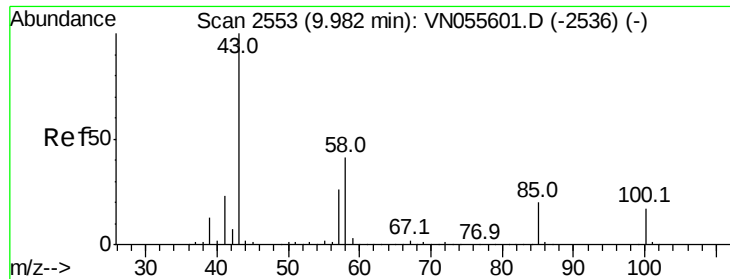


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 248.815 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion: 43 Resp: 1031877

Ion Ratio Lower Upper

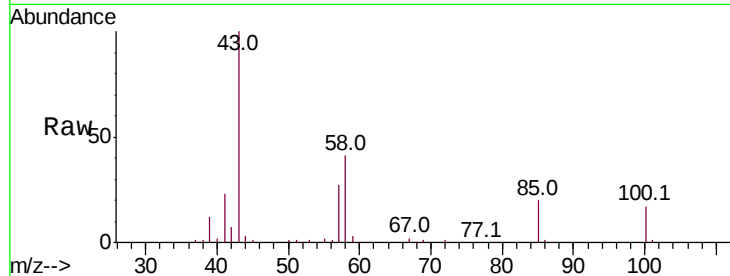
43 100

58 41.0 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

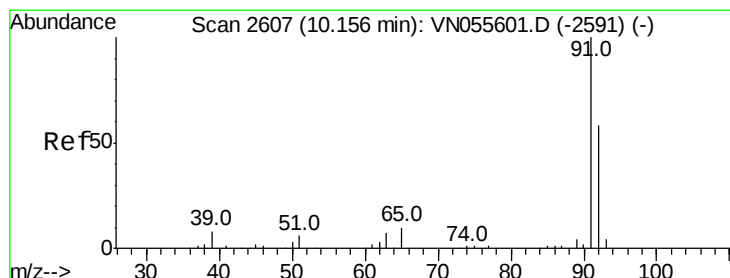
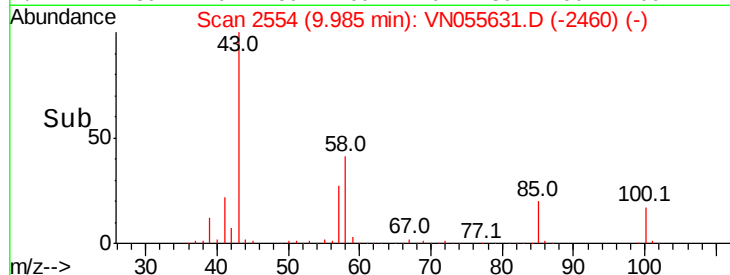
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.713 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055631.D

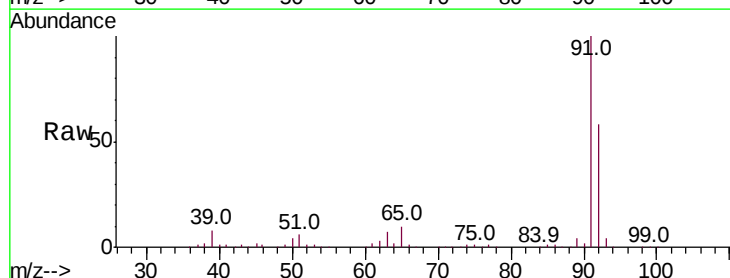
Acq: 17 May 2019 23:27

Tgt Ion: 92 Resp: 404772

Ion Ratio Lower Upper

92 100

91 173.2 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

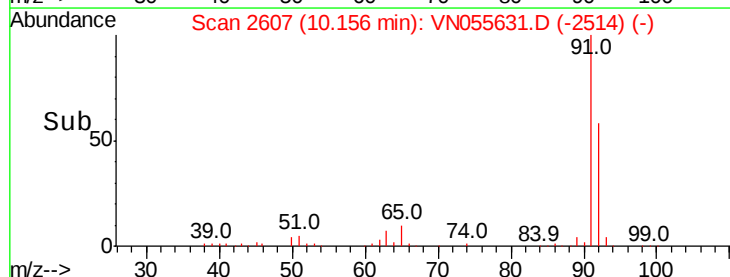
300000

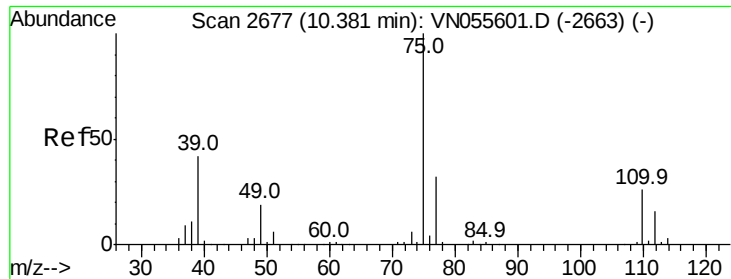
200000

100000

0

Time-->





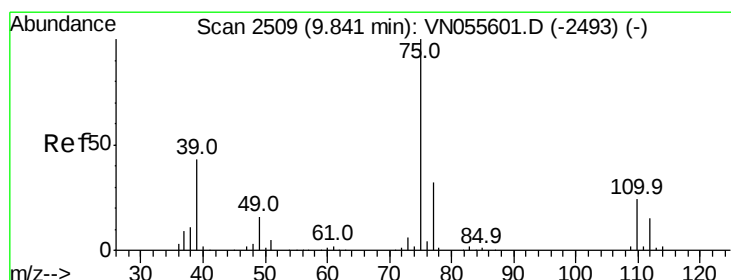
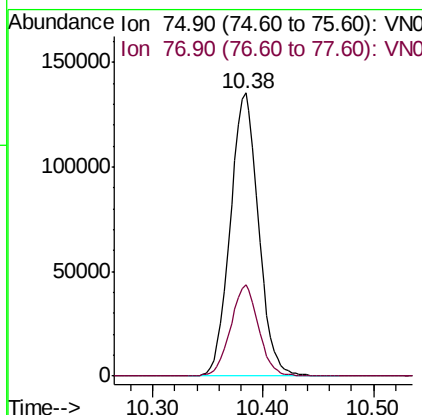
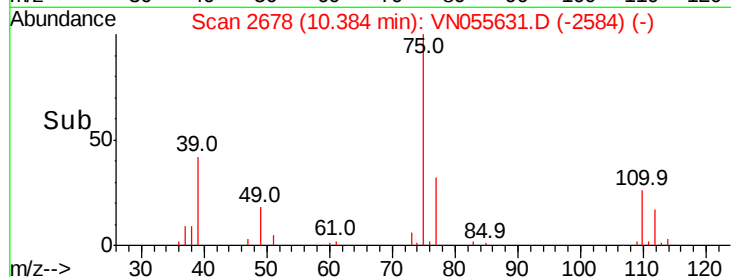
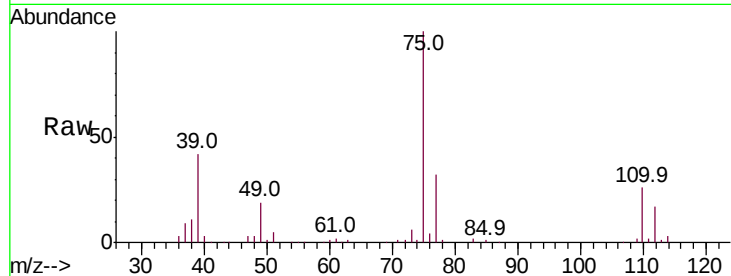
#53
t-1,3-Dichloropropene
Concen: 46.739 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion: 75 Resp: 240829
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

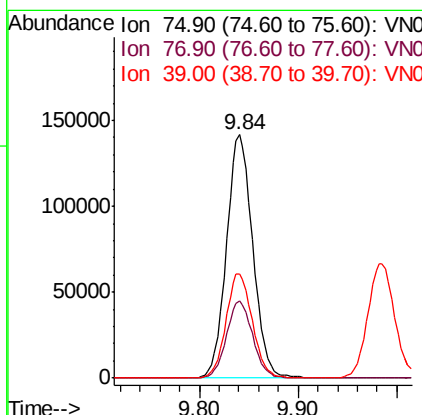
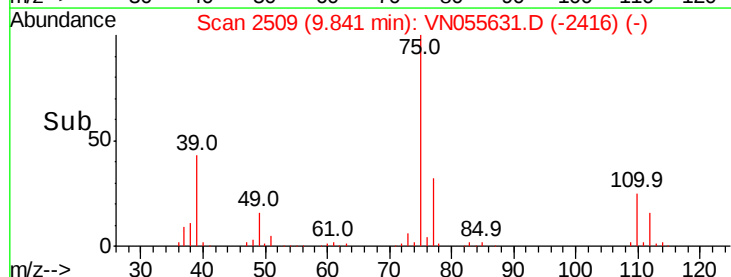
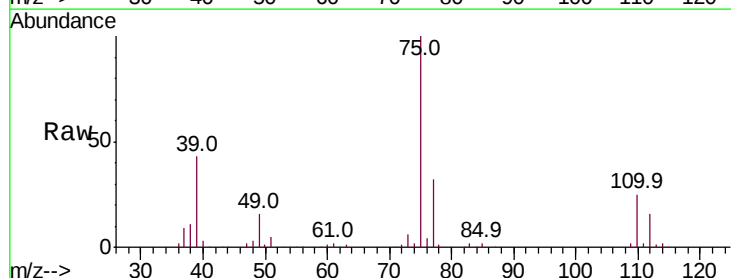
Manual Integrations
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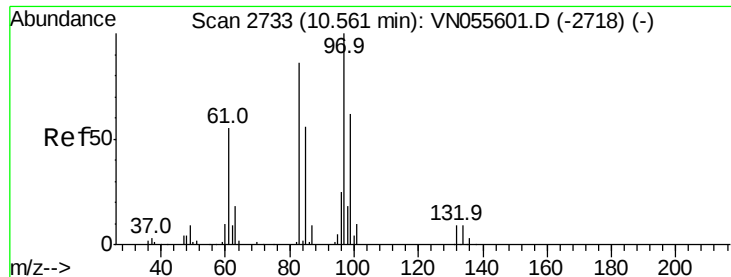
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#54
cis-1,3-Dichloropropene
Concen: 46.761 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion: 75 Resp: 263959
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
39 42.9 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 48.495 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

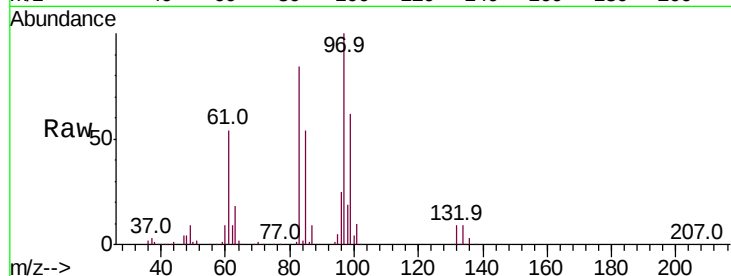
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion	97	Resp	165892
Ion	Ratio	Lower	Upper
97	100		
83	84.5	68.4	102.6
85	54.0	44.8	67.2
99	61.8	49.9	74.9

Manual Integrations
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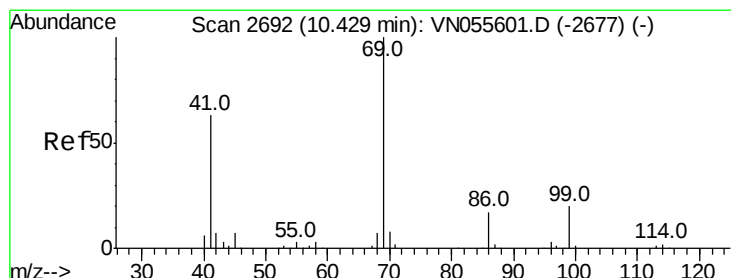
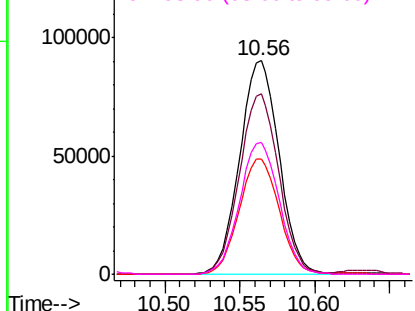
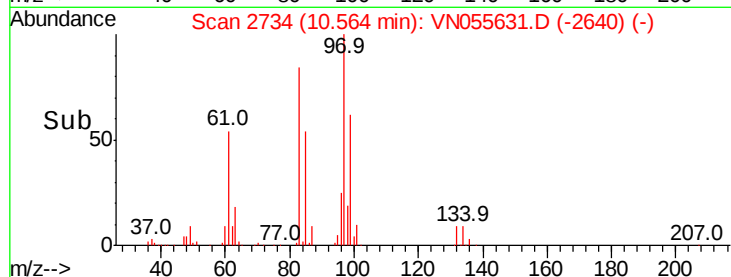


Abundance Ion 96.90 (96.60 to 97.60): VN055631.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN055631.D (-2640) (-)

Ion 84.90 (84.60 to 85.60): VN055631.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN055631.D (-2640) (-)



#56

Ethyl methacrylate

Concen: 47.980 ug/l

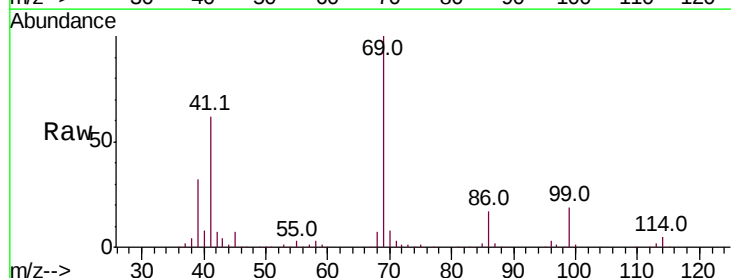
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

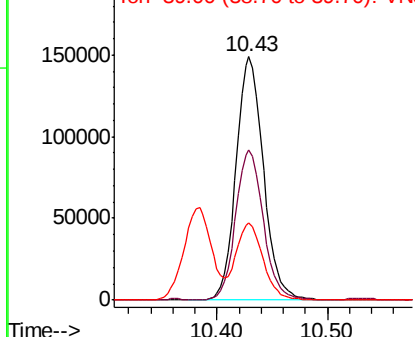
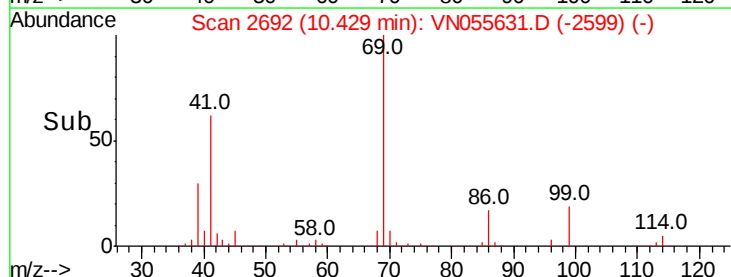
Tgt Ion	69	Resp	256214
Ion	Ratio	Lower	Upper
69	100		
41	61.5	50.3	75.5
39	31.5	25.4	38.2

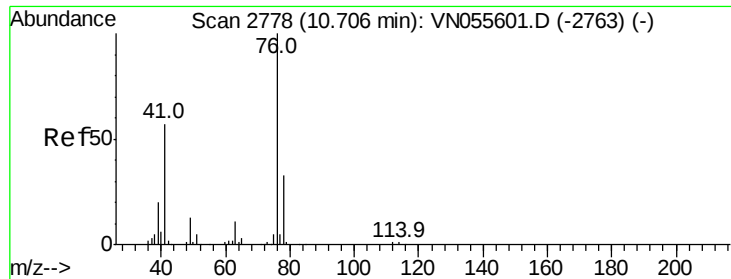


Abundance Ion 69.00 (68.70 to 69.70): VN055631.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN055631.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN055631.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 48.989 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion: 76 Resp: 265418

Ion Ratio Lower Upper

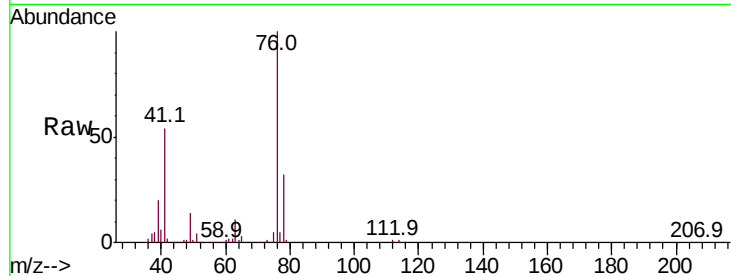
76 100

78 32.6 26.5 39.7

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

150000

100000

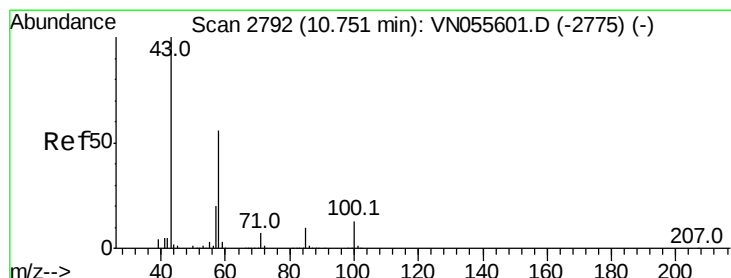
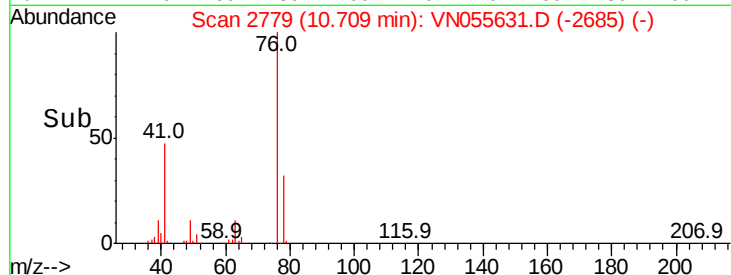
50000

0

Time--> 10.60

10.70

10.80



#59

2-Hexanone

Concen: 250.161 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055631.D

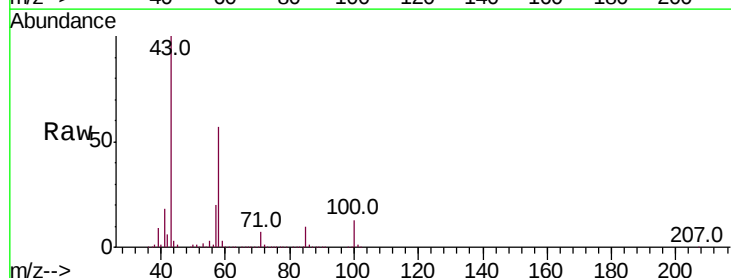
Acq: 17 May 2019 23:27

Tgt Ion: 43 Resp: 730423

Ion Ratio Lower Upper

43 100

58 57.0 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

500000

400000

300000

200000

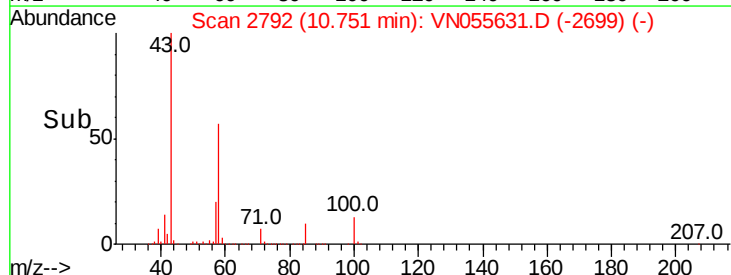
100000

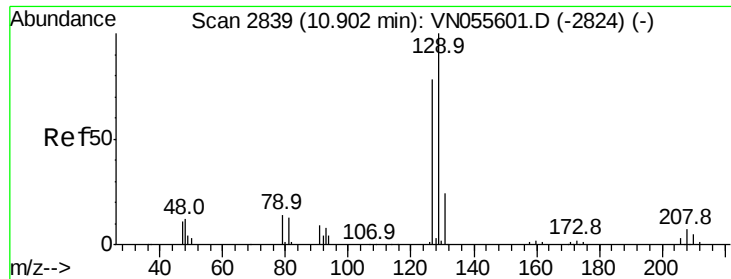
0

Time--> 10.70

10.75

10.80





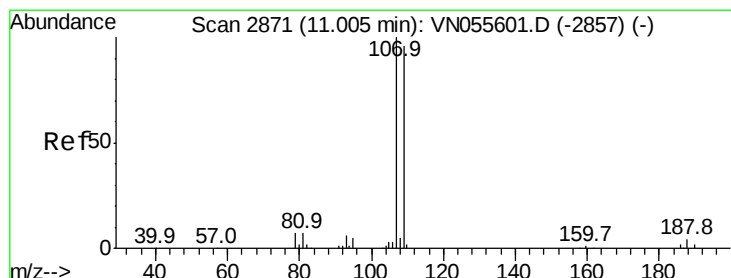
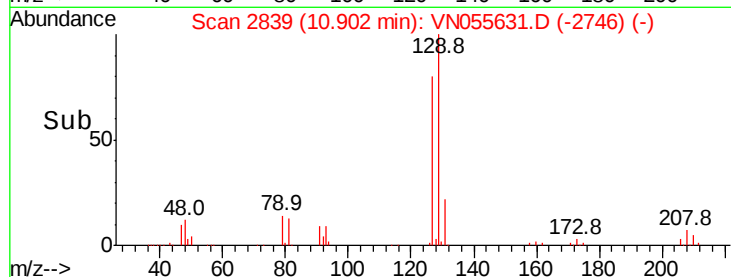
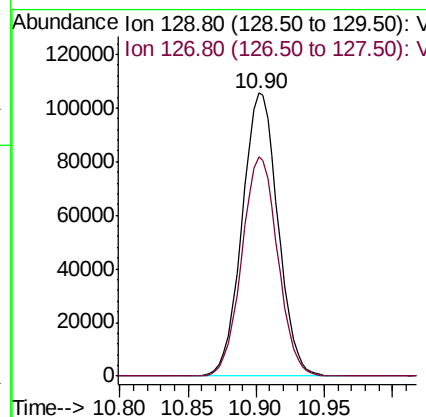
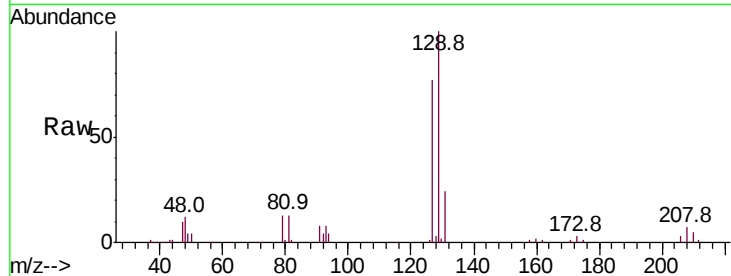
#60
 Dibromochloromethane
 Concen: 49.625 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MS

Tot Ion:129 Resp: 192399
 Ion Ratio Lower Upper
 129 100
 127 77.5 38.6 115.8

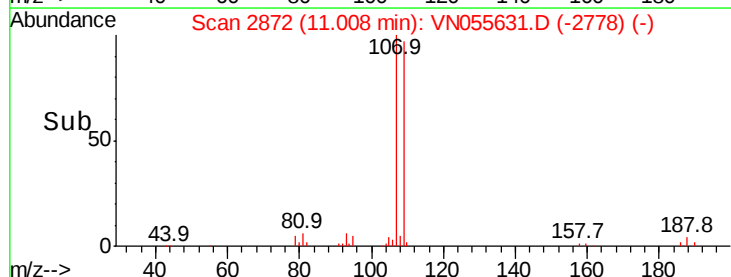
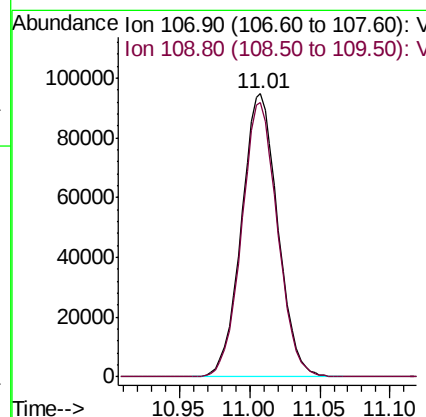
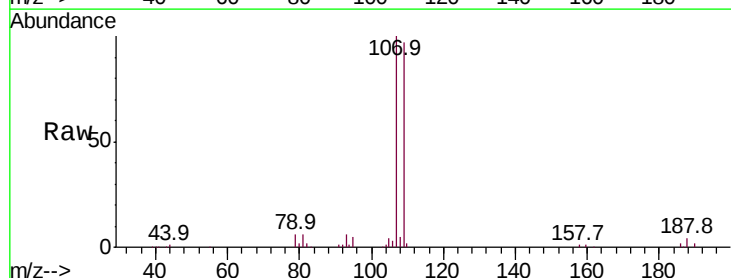
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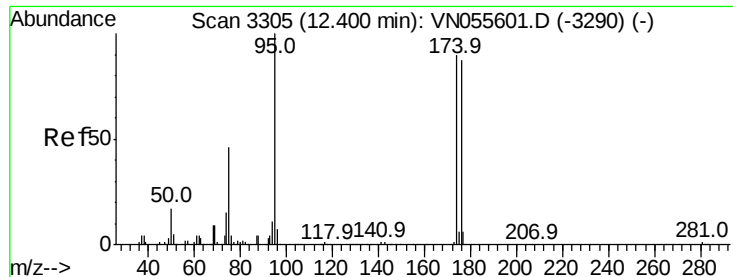
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#61
 1,2-Dibromoethane
 Concen: 49.893 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Tgt Ion:107 Resp: 170773
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.6 113.4





#62

4-Bromofluorobenzene

Concen: 51.681 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

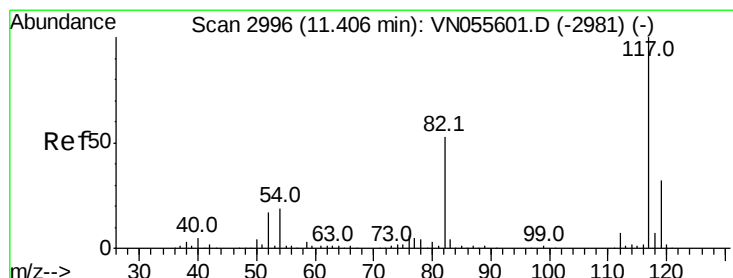
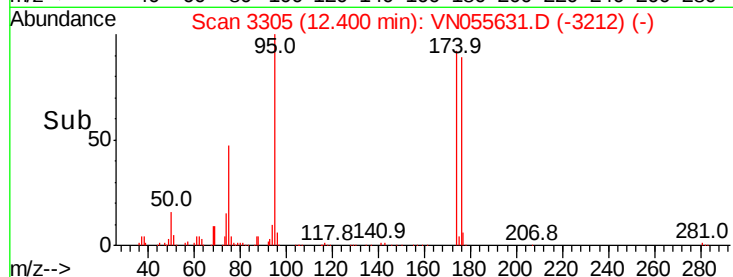
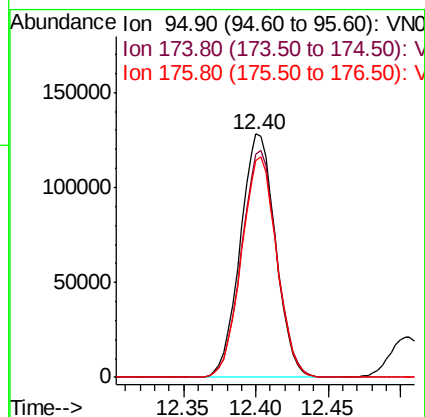
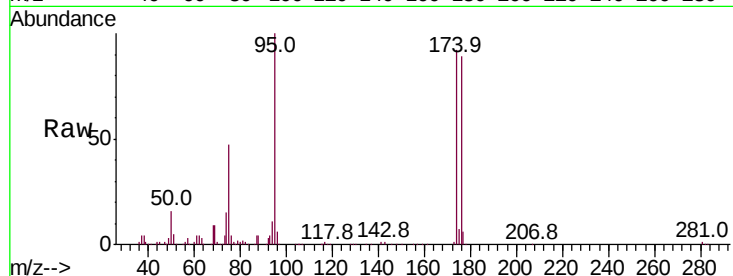
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	95	Resp:	216555
Ion Ratio	Lower	Upper	
95	100		
174	92.9	0.0	180.6
176	90.5	0.0	177.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

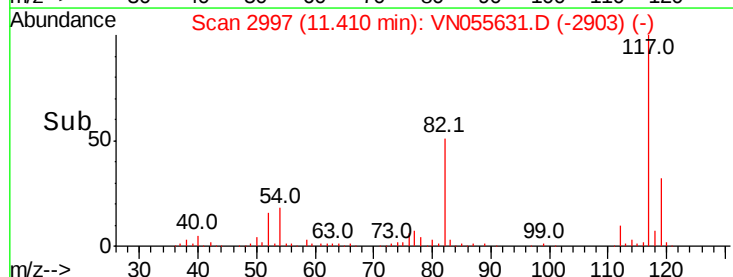
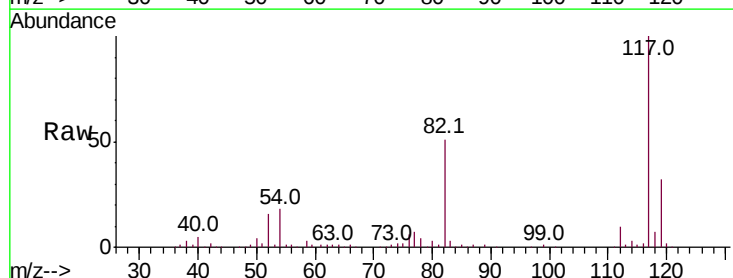
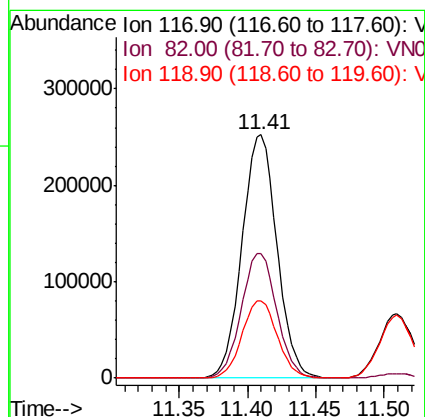
RT: 11.41 min Scan# 2997

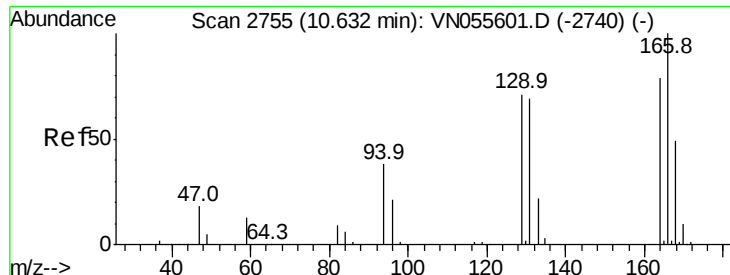
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	117	Resp:	449092
Ion Ratio	Lower	Upper	
117	100		
82	51.4	42.3	63.5
119	31.9	25.4	38.2





#64

Tetrachloroethene

Concen: 46.011 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:164 Resp: 162978

Ion Ratio Lower Upper

164 100

166 128.5 101.0 151.6

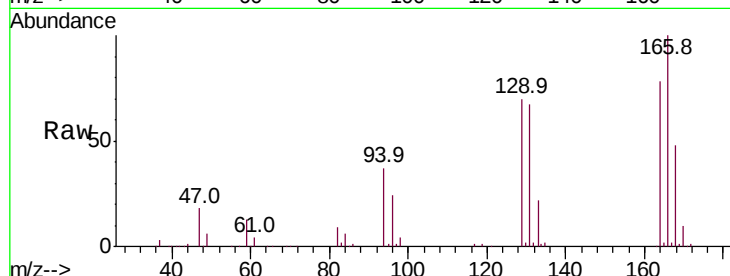
129 90.3 71.7 107.5

131 86.1 69.6 104.4

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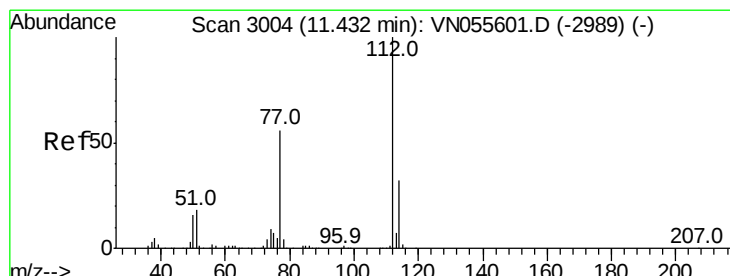
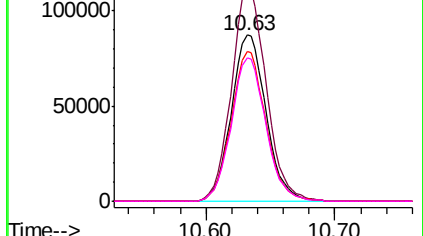
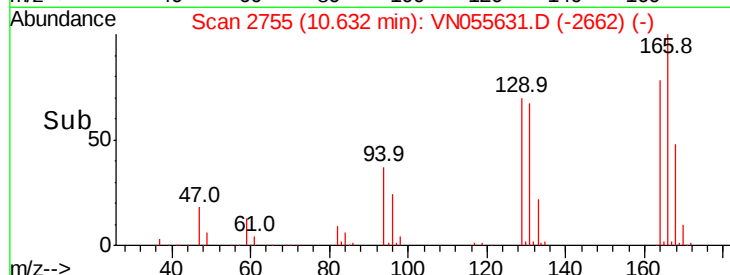


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.938 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055631.D

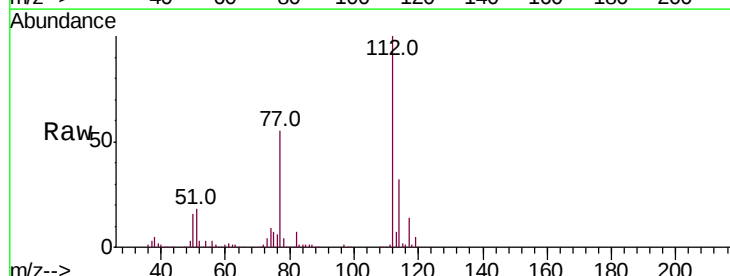
Acq: 17 May 2019 23:27

Tgt Ion:112 Resp: 435437

Ion Ratio Lower Upper

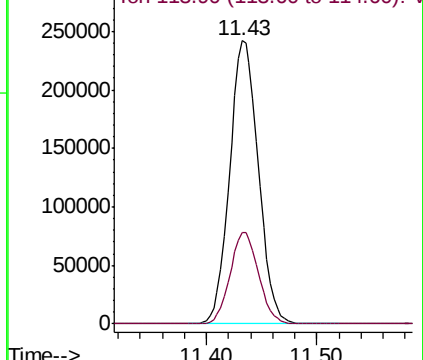
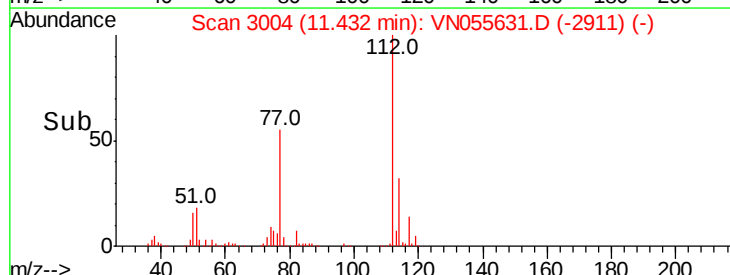
112 100

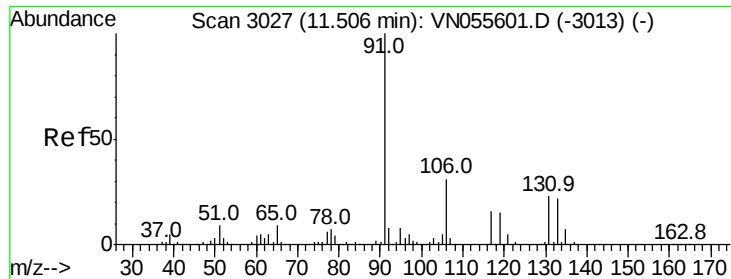
114 32.1 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 47.543 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

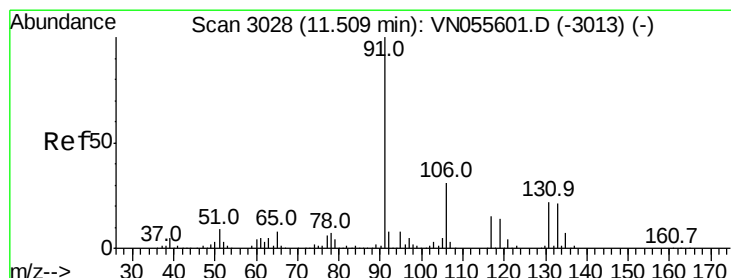
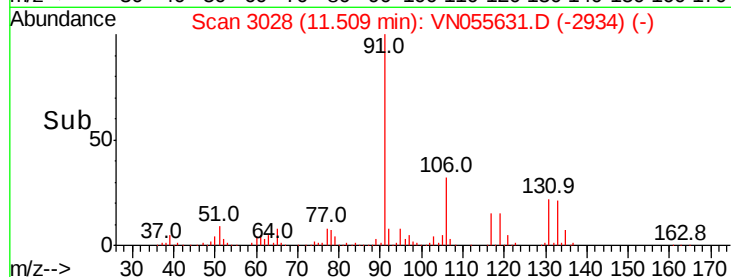
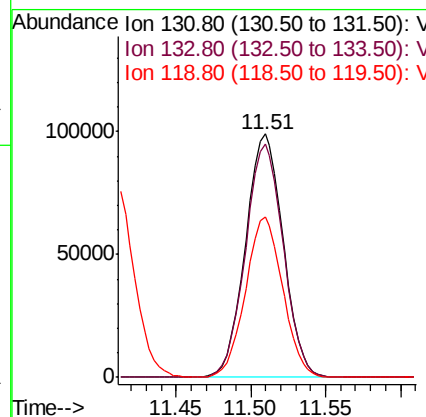
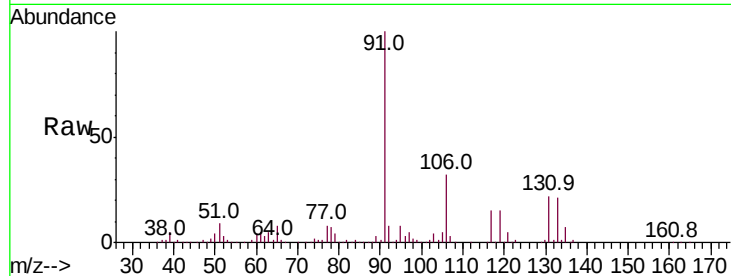
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	131	Resp:	173733
Ion Ratio	Lower	Upper	
131	100		
133	96.3	47.8	143.4
119	65.1	33.3	99.8

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#67

Ethyl Benzene

Concen: 46.949 ug/l

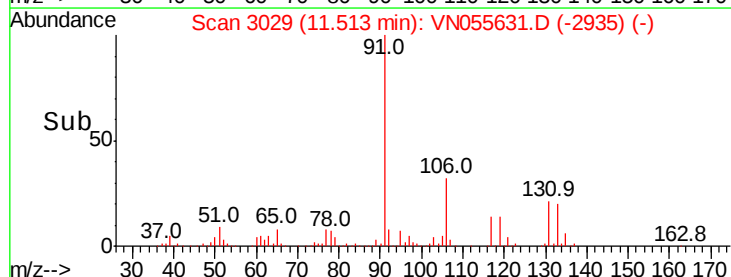
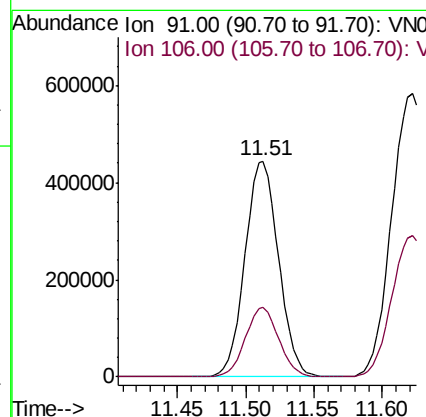
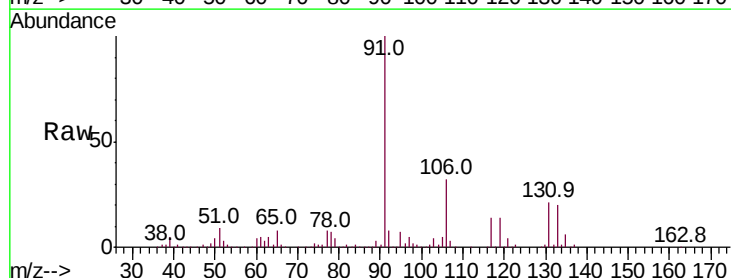
RT: 11.51 min Scan# 3029

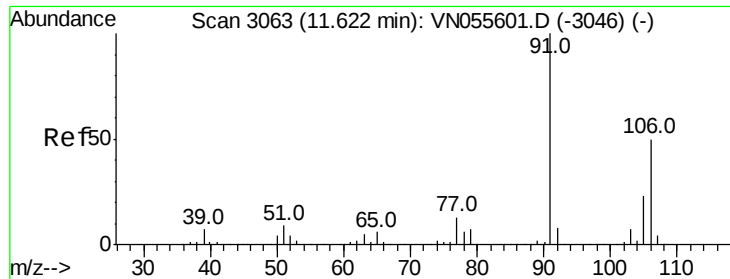
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	91	Resp:	759700
Ion Ratio	Lower	Upper	
91	100		
106	32.2	25.2	37.8





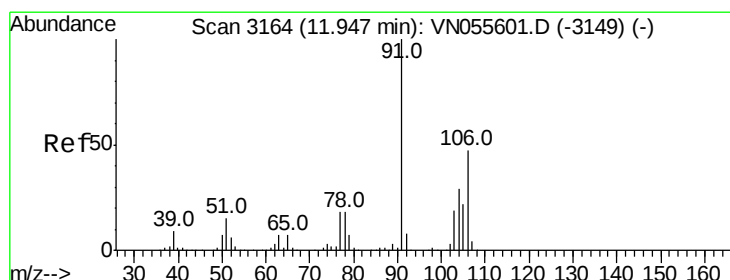
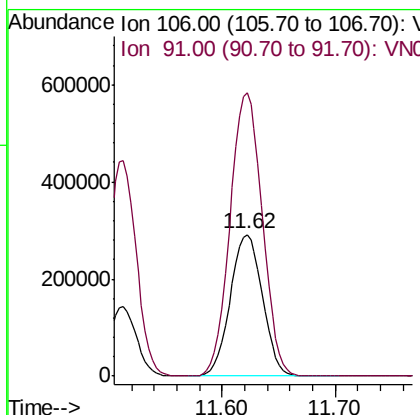
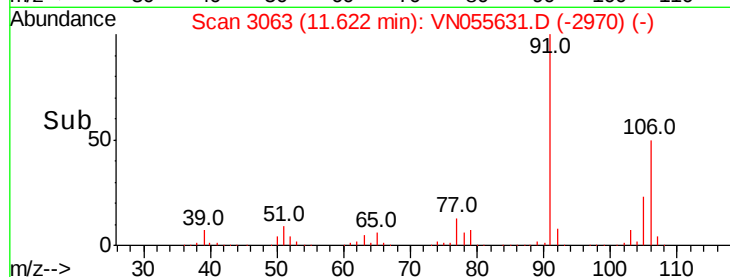
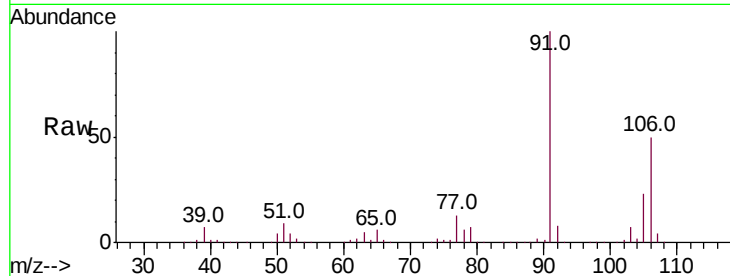
#68
m/p-Xylenes
Concen: 94.452 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion:106 Resp: 577167
Ion Ratio Lower Upper
106 100
91 200.2 160.5 240.7

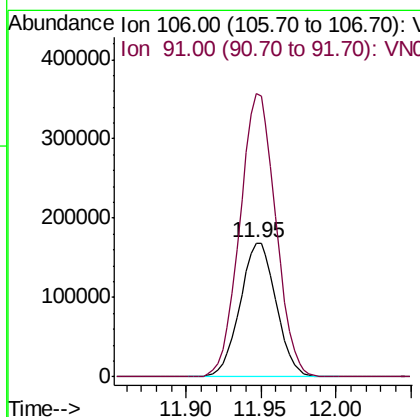
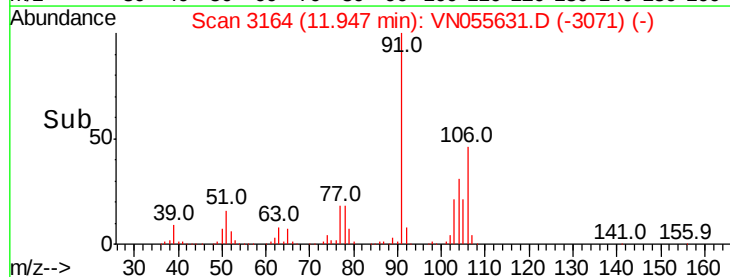
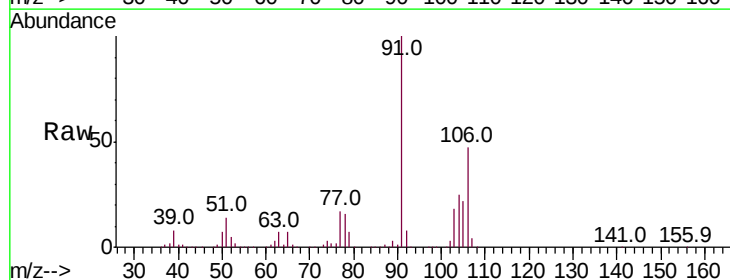
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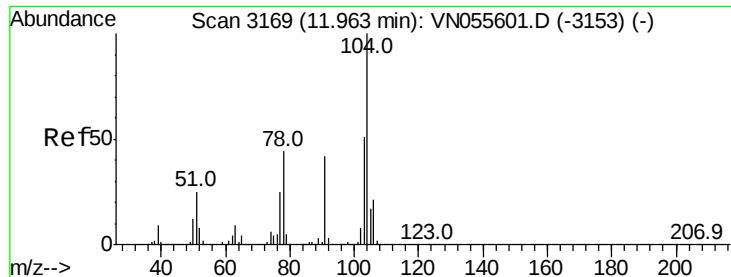
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#69
o-Xylene
Concen: 47.326 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion:106 Resp: 282854
Ion Ratio Lower Upper
106 100
91 211.0 106.7 320.2





#70

Stvrene

Concen: 48.216 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

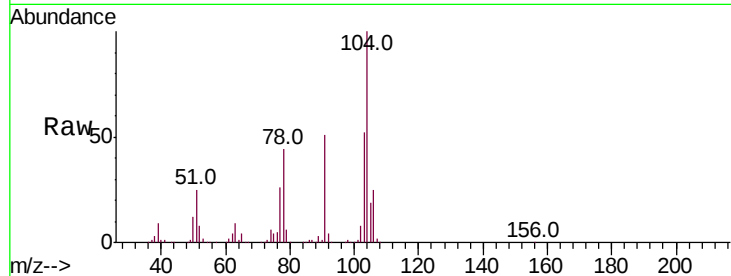
ClientSampleId :

FM-EA-3MW01-051519MS

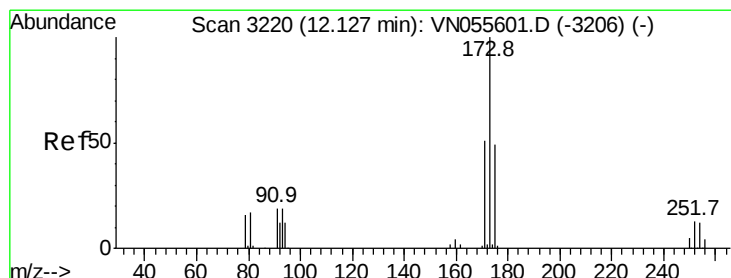
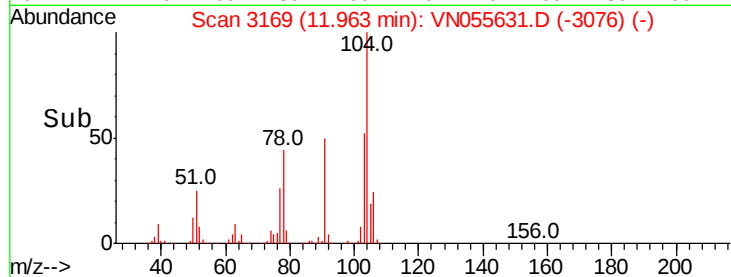
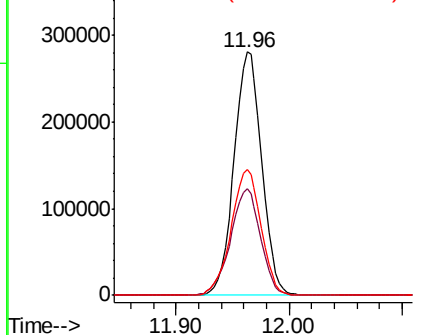
Tot Ion:	104	Resp:	479153
Ion Ratio	Lower	Upper	
104	100		
78	47.2	38.6	58.0
103	55.3	44.4	66.6

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Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 49.453 ug/l

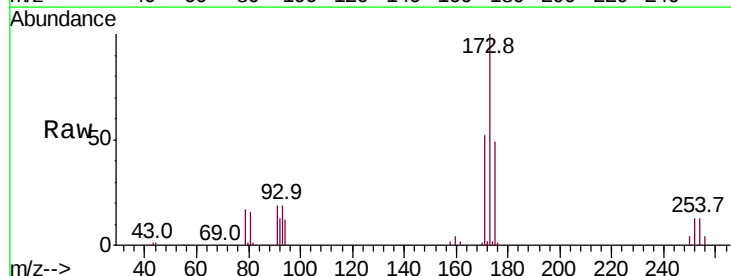
RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

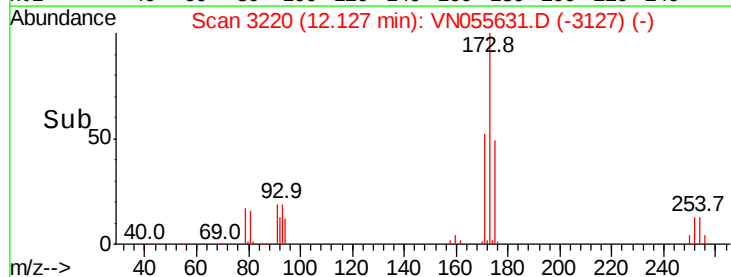
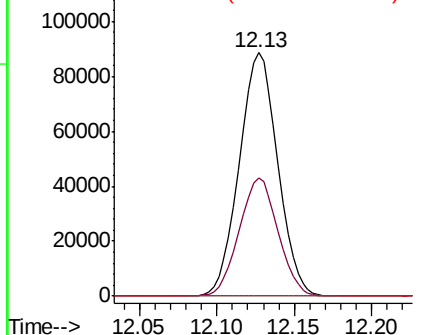
Lab File: VN055631.D

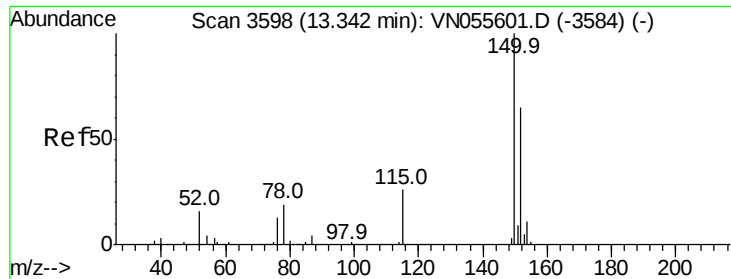
Acq: 17 May 2019 23:27

Tgt Ion:	173	Resp:	153144
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.3	72.9
254	0.0	0.1	0.1#



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: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

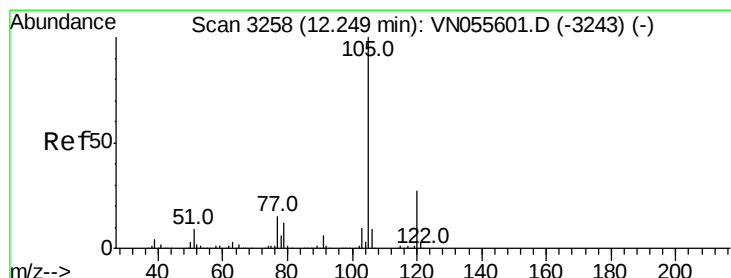
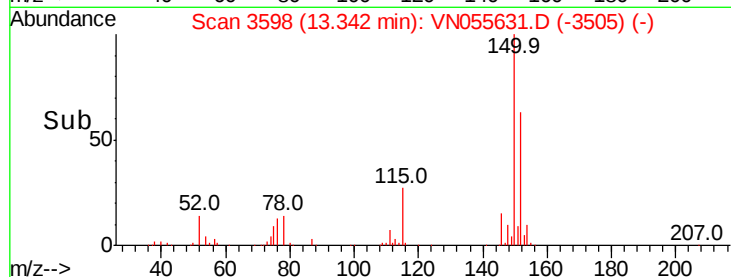
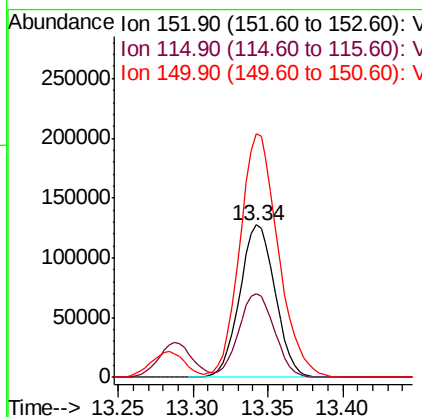
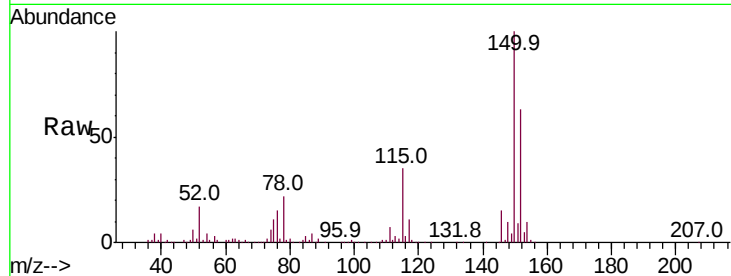
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	152	Resp:	209912
Ion Ratio	Lower	Upper	
152	100		
115	55.5	28.1	84.2
150	173.4	0.0	348.0

Manual Integrations
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#73

Isopropylbenzene

Concen: 50.189 ug/l

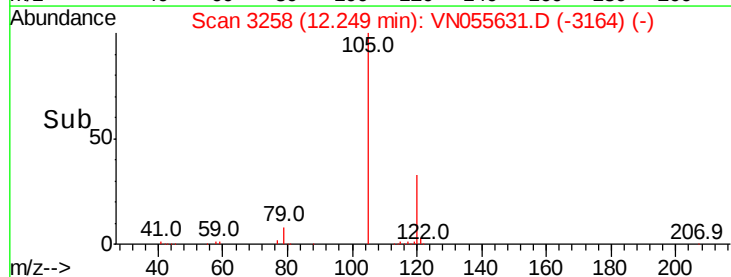
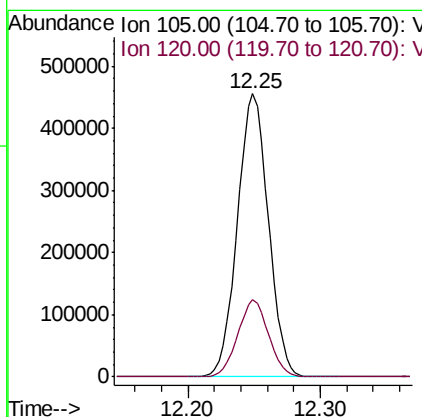
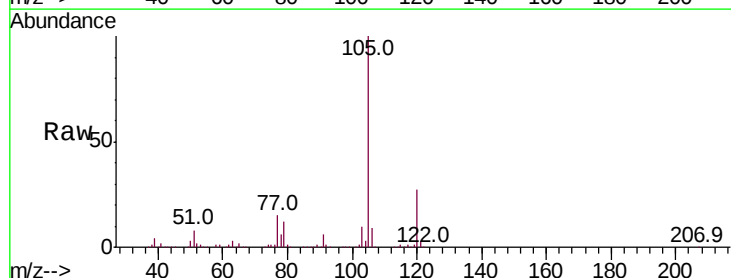
RT: 12.25 min Scan# 3258

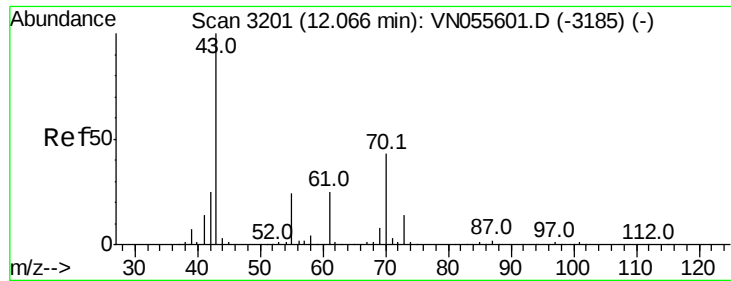
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	105	Resp:	739172
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.4	40.2





#74

N-amvl acetate

Concen: 38.443 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

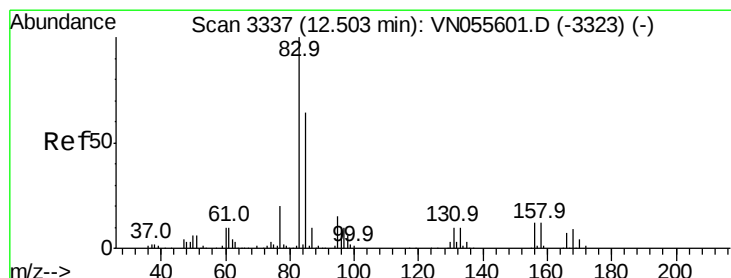
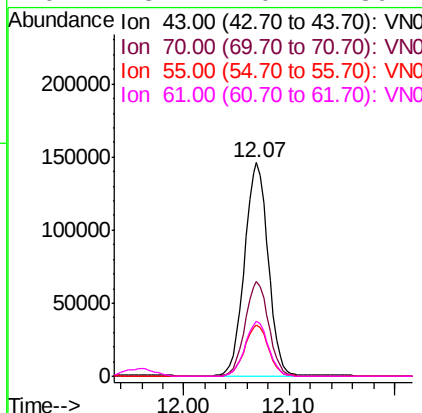
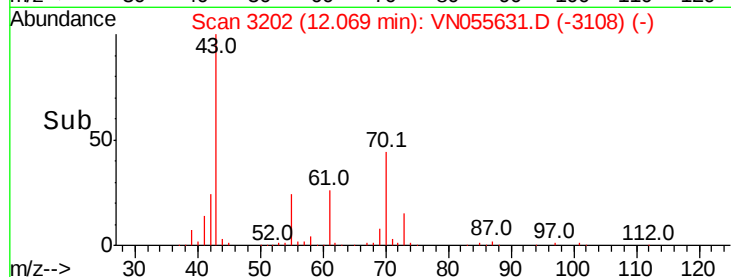
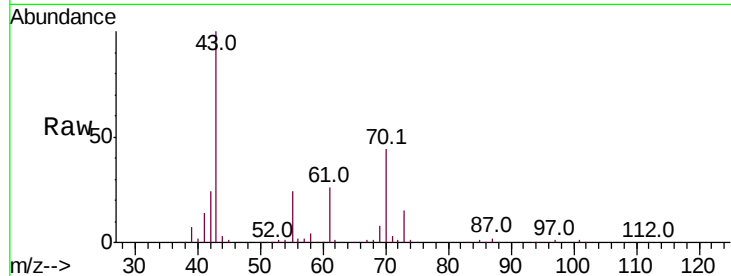
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion	43	70	55	61
Ratio	100	44.7	23.8	25.4
Lower		35.0	18.9	20.1
Upper		52.6	28.3	30.1

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#75

1,1,2,2-Tetrachloroethane

Concen: 51.182 ug/l

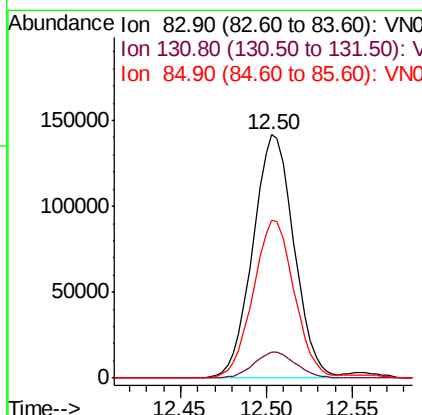
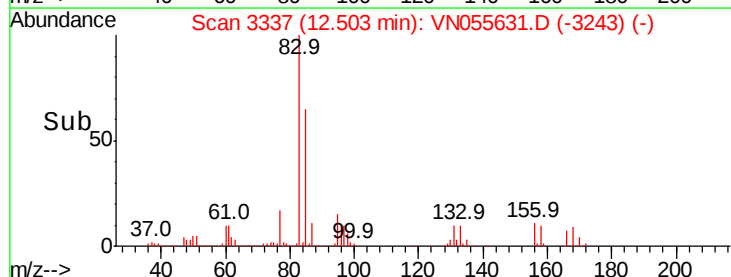
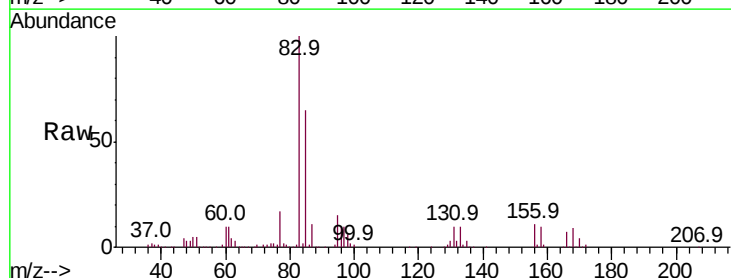
RT: 12.50 min Scan# 3337

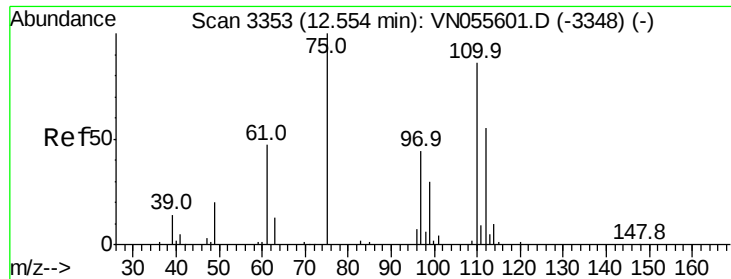
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion	83	131	85
Ratio	100	10.8	64.5
Lower		5.3	32.0
Upper		16.1	96.2





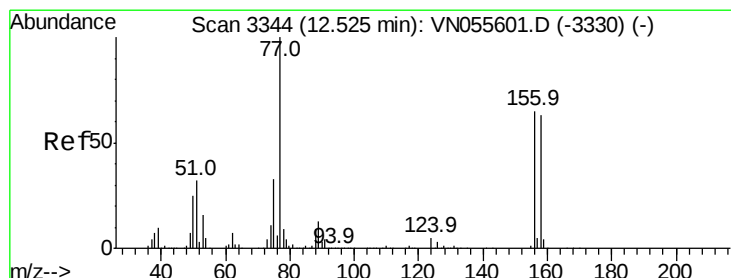
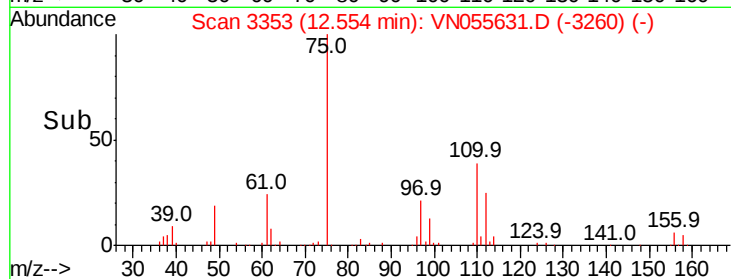
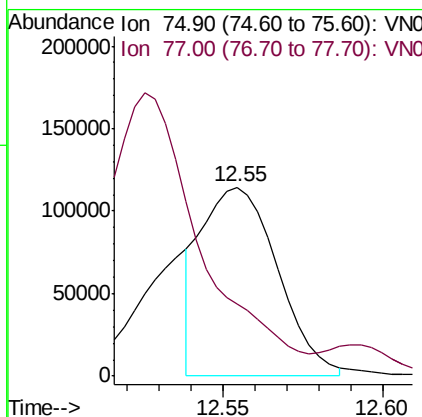
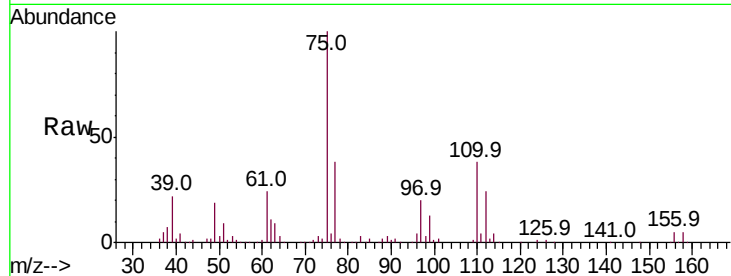
#76
 1,2,3-Trichloropropane
 Concen: 44.473 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MS

Tot Ion: 75 Resp: 190491
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

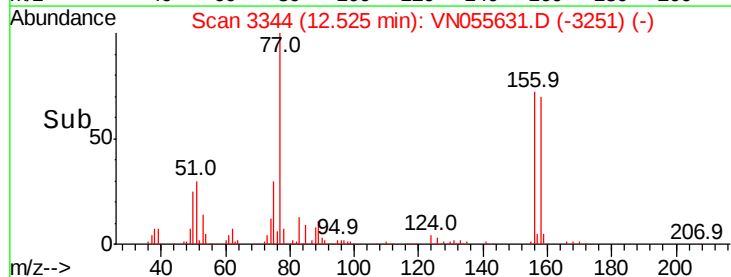
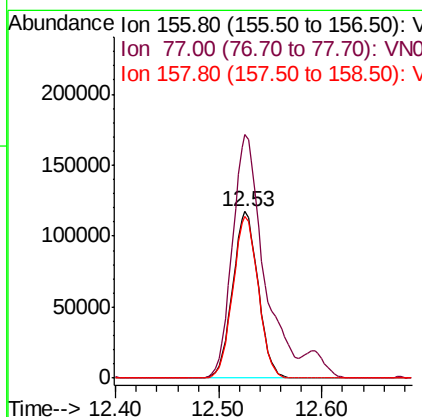
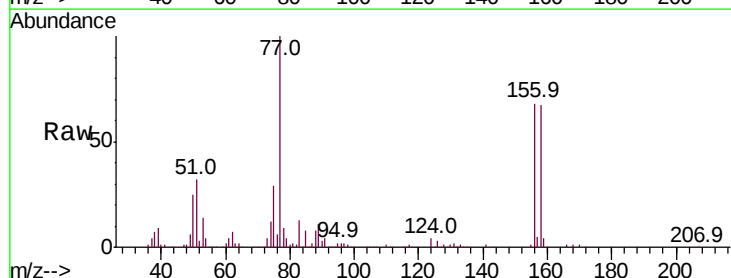
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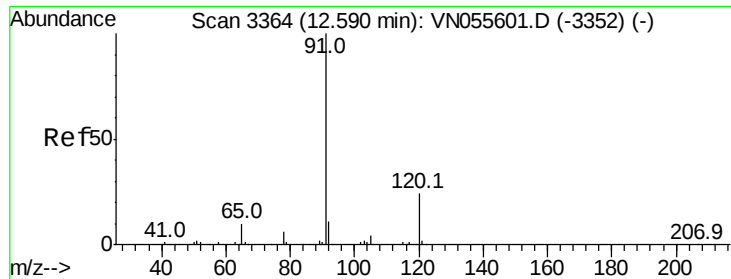
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#77
 Bromobenzene
 Concen: 46.912 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Tgt Ion: 156 Resp: 202238
 Ion Ratio Lower Upper
 156 100
 77 178.5 94.5 283.5
 158 96.7 49.0 147.2





#78

n-propylbenzene

Concen: 43.439 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion: 91 Resp: 809748

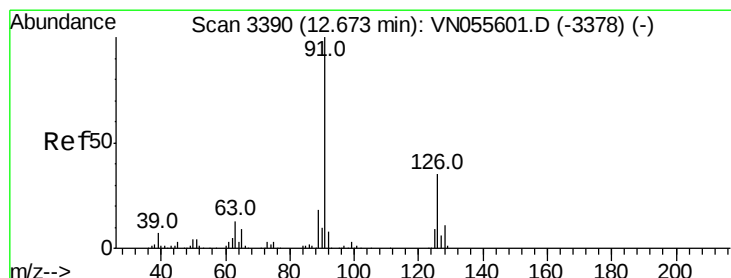
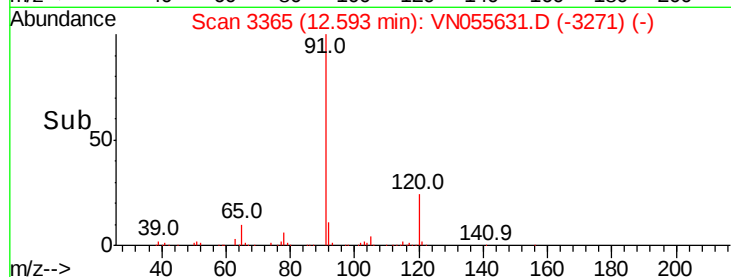
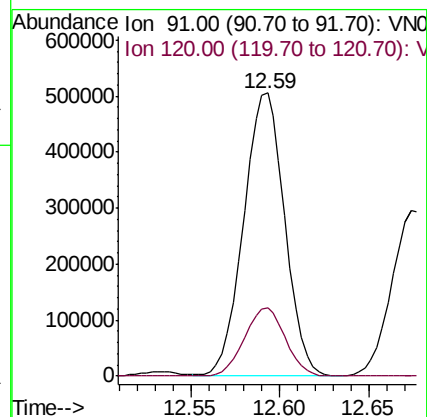
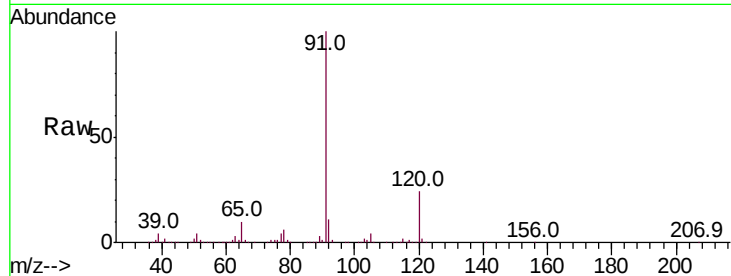
Ion Ratio Lower Upper

91 100

120 24.1 11.9 35.5

Manual Integrations
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#79

2-Chlorotoluene

Concen: 49.221 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055631.D

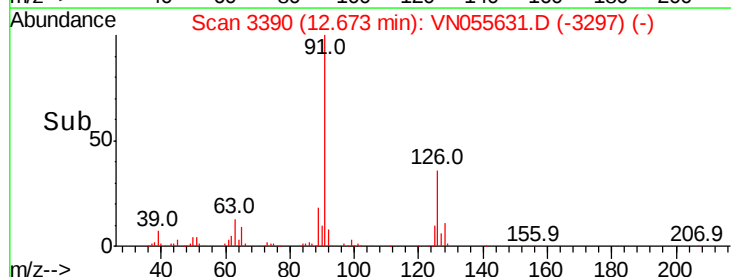
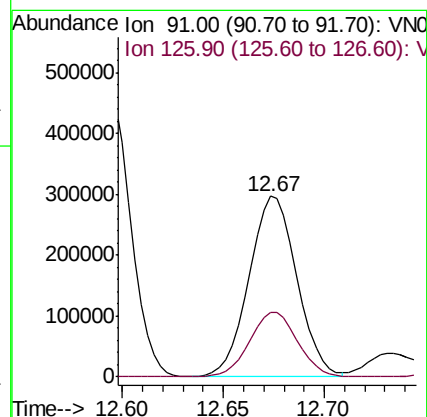
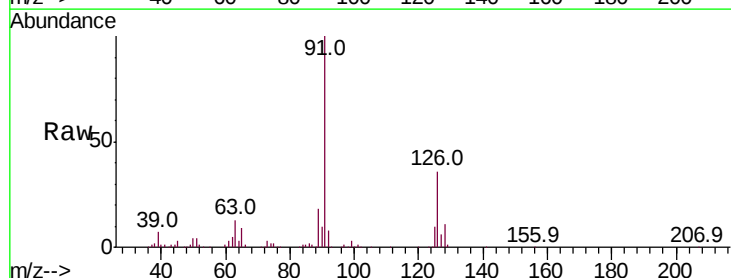
Acq: 17 May 2019 23:27

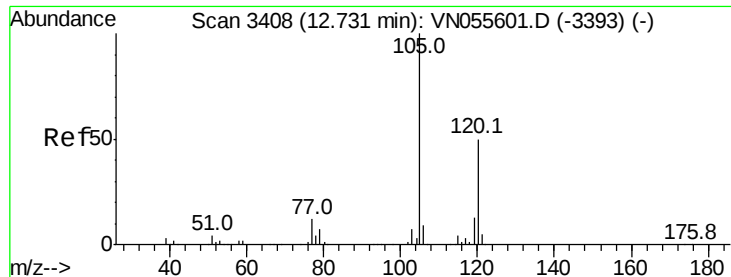
Tgt Ion: 91 Resp: 491300

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.4





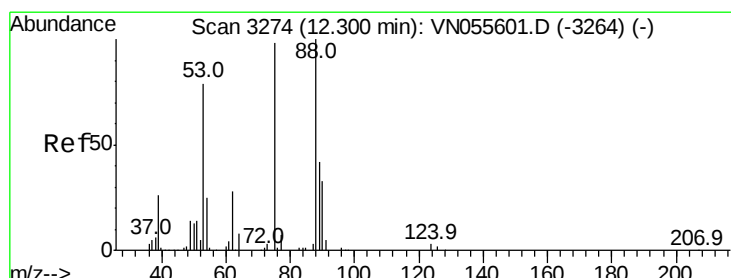
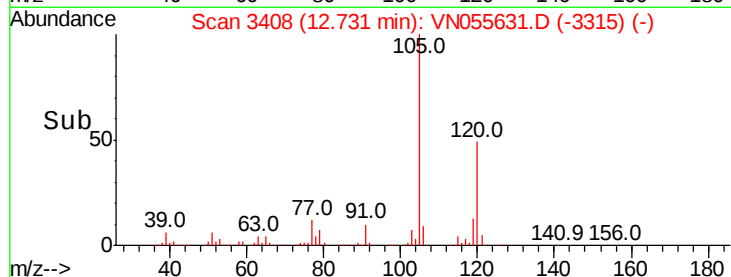
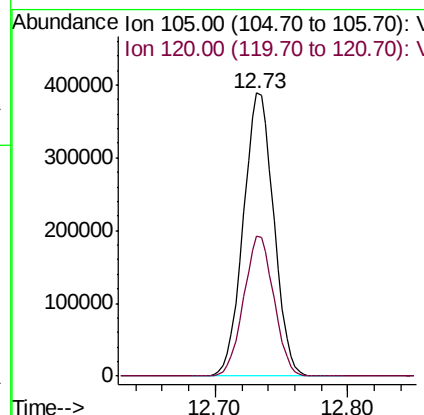
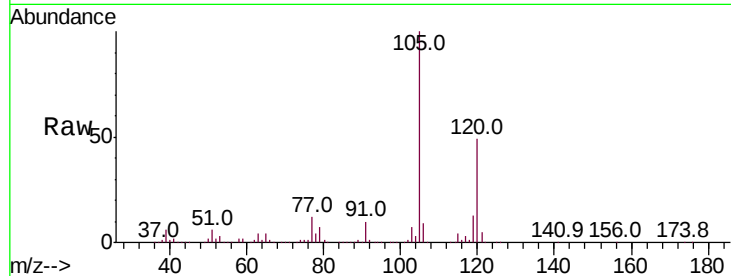
#80
 1,3,5-Trimethylbenzene
 Concen: 49.133 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MS

Tot Ion:105 Resp: 618733
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 74.0

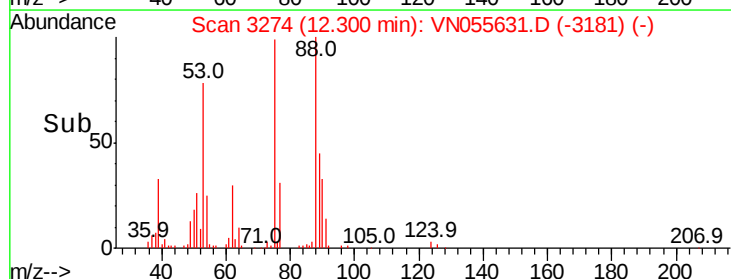
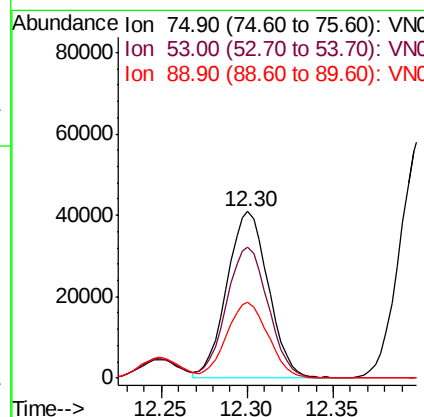
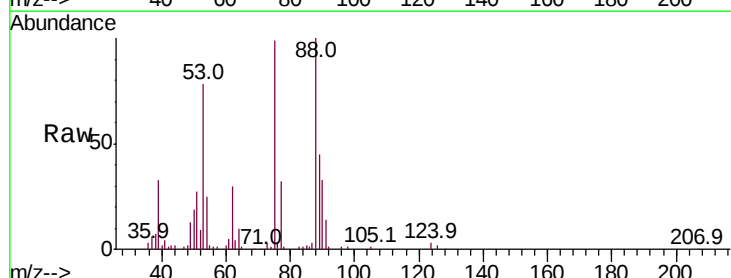
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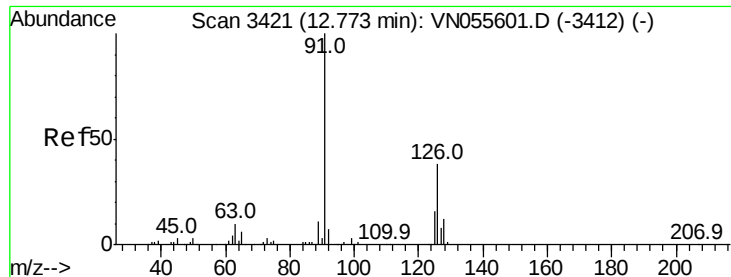
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.253 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Tgt Ion: 75 Resp: 68739
 Ion Ratio Lower Upper
 75 100
 53 78.7 65.1 97.7
 89 45.6 36.4 54.6





#82

4-Chlorotoluene

Concen: 44.573 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion: 91 Resp: 489549

Ion Ratio Lower Upper

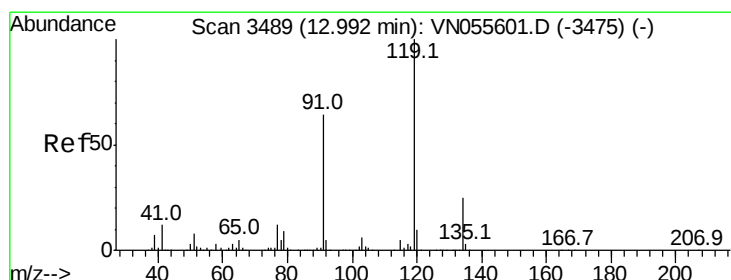
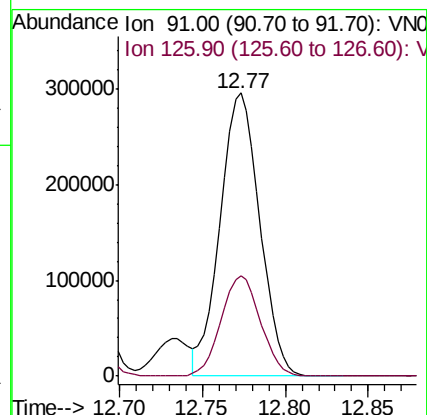
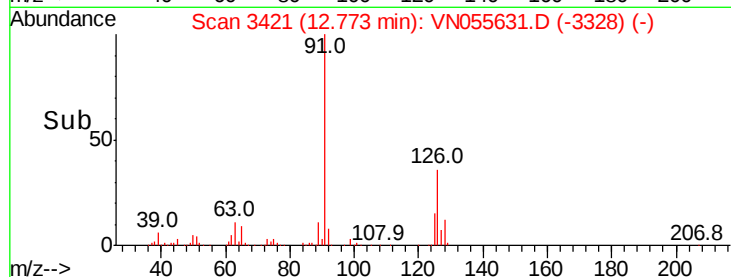
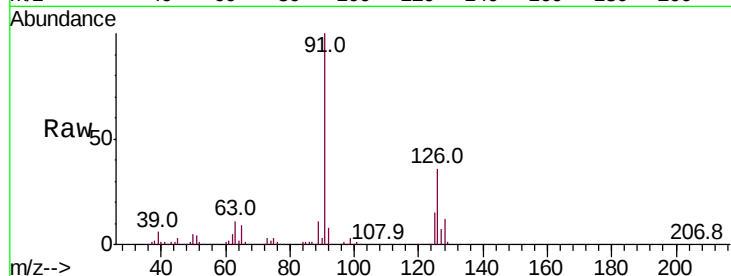
91 100

126 35.4 17.5 52.6

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#83

tert-Butylbenzene

Concen: 50.298 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

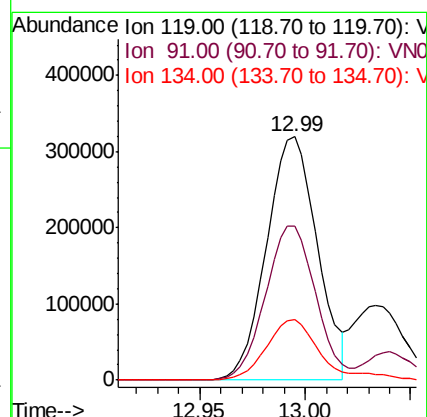
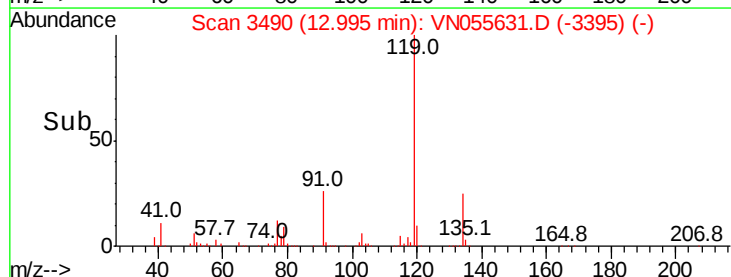
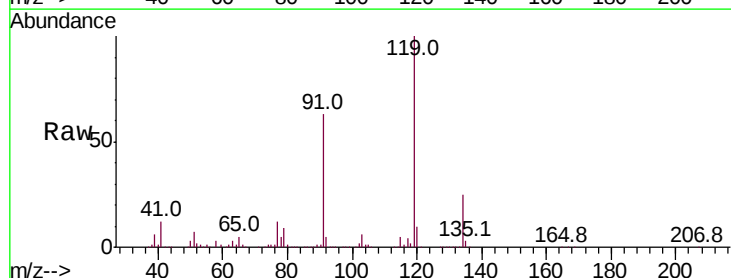
Tgt Ion: 119 Resp: 537166

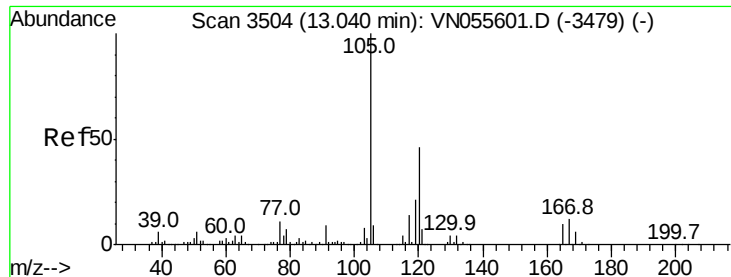
Ion Ratio Lower Upper

119 100

91 62.4 31.3 93.8

134 26.4 13.2 39.6





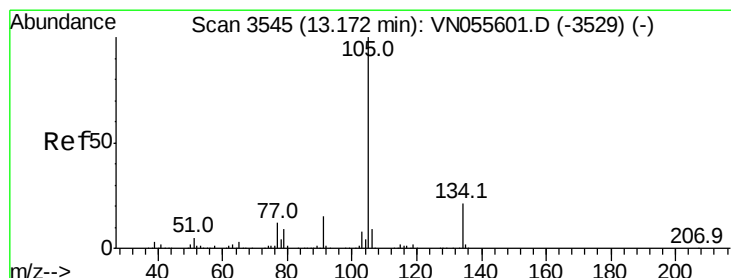
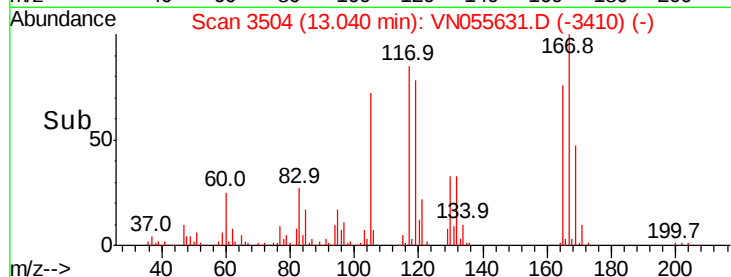
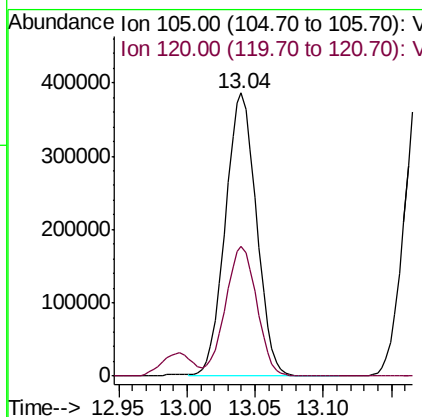
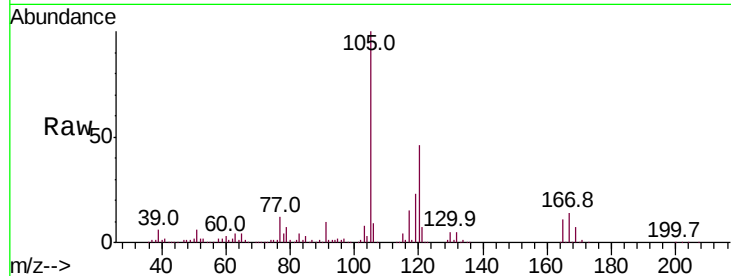
#84
 1,2,4-Trimethylbenzene
 Concen: 48.578 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2

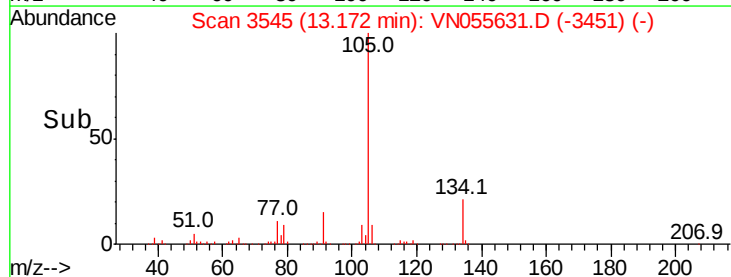
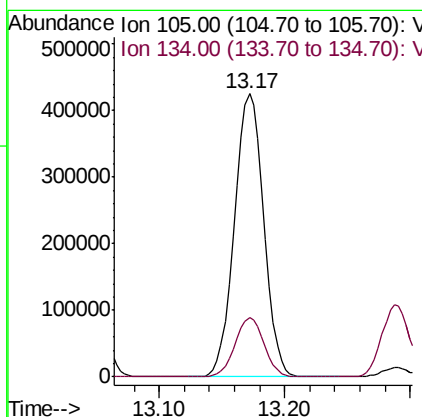
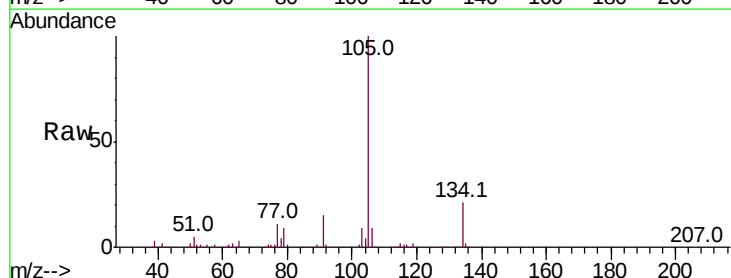
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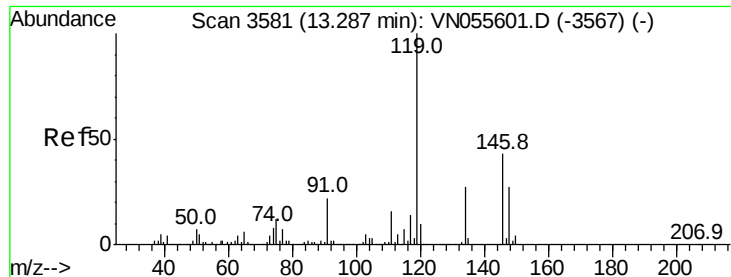
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#85
 sec-Butylbenzene
 Concen: 48.998 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.9





#86

p-Isopropyltoluene

Concen: 48.026 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

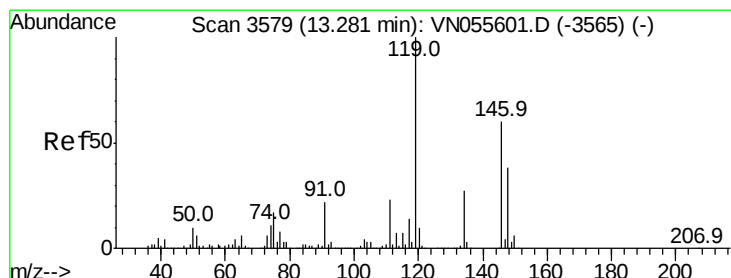
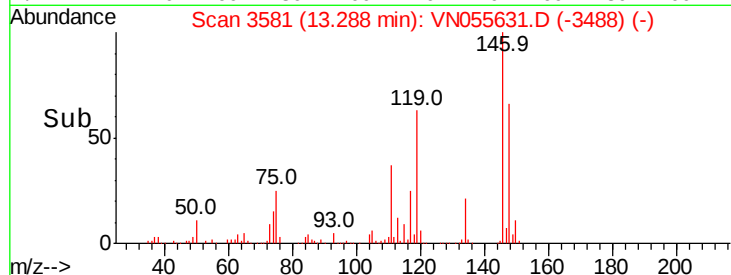
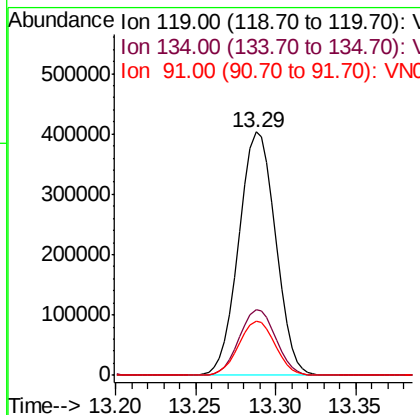
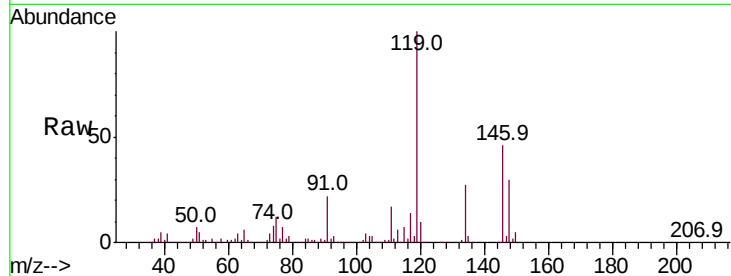
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	119	Resp:	628415
Ion Ratio	Lower	Upper	
119	100		
134	26.9	13.4	40.2
91	21.9	11.0	33.0

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#87

1,3-Dichlorobenzene

Concen: 46.391 ug/l

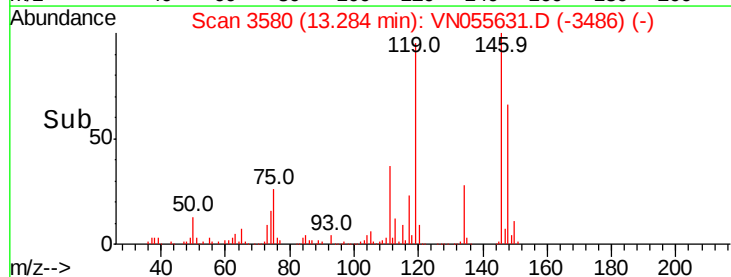
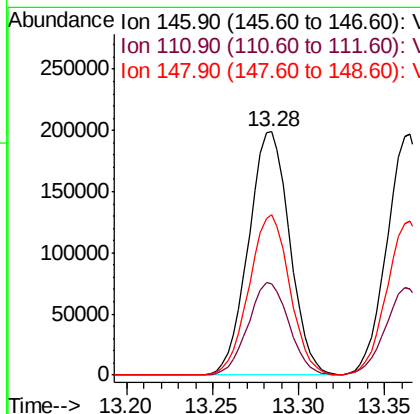
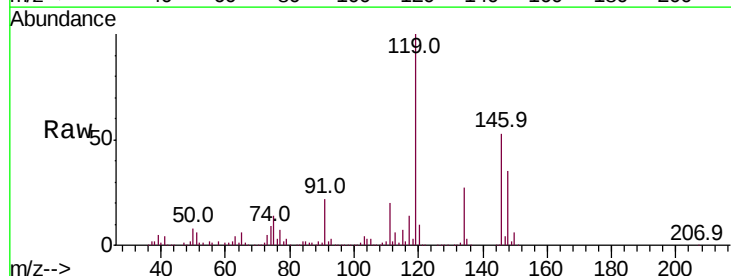
RT: 13.28 min Scan# 3580

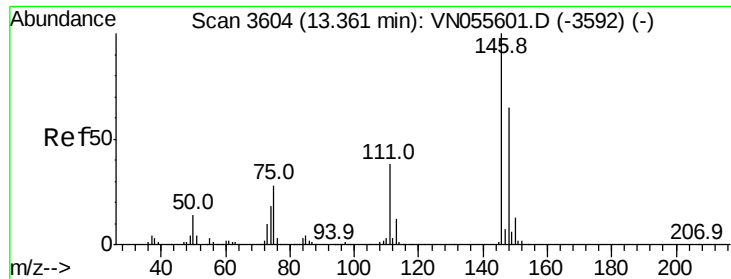
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	146	Resp:	330668
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.9	56.9
148	65.1	31.9	95.9





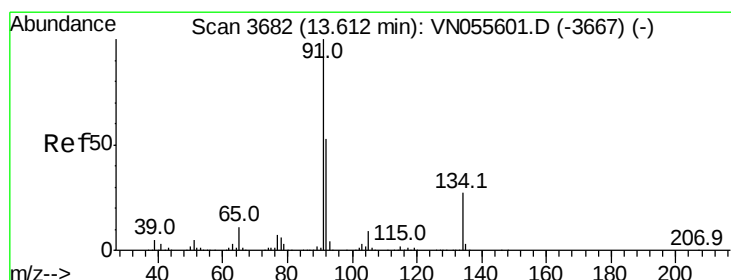
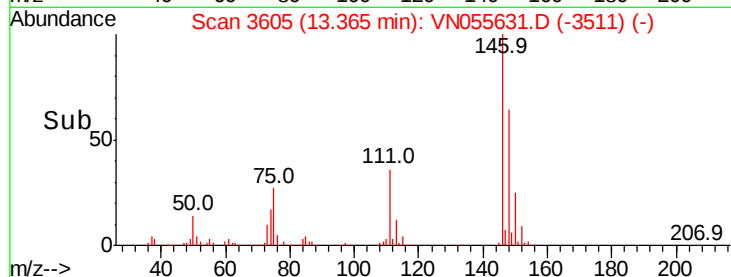
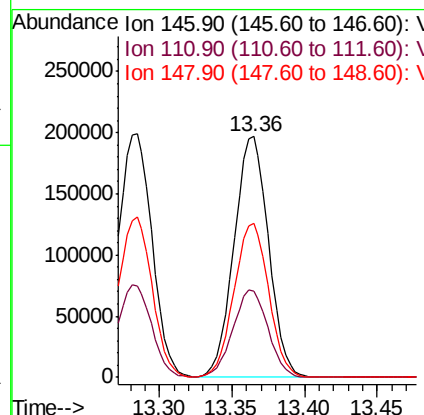
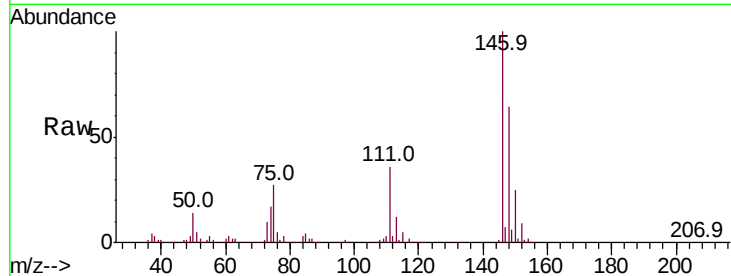
#88
1,4-Dichlorobenzene
Concen: 47.778 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
FM-EA-3MW01-051519MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	325166		
111	36.8	18.8	56.4	
148	64.3	32.4	97.0	

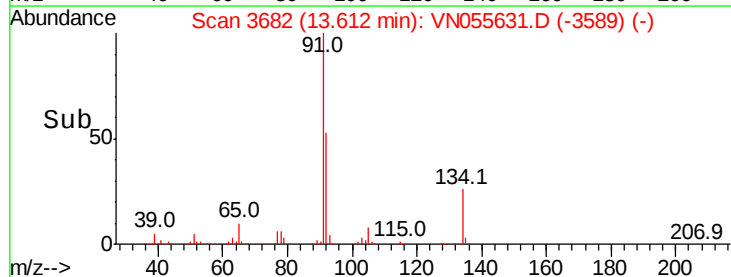
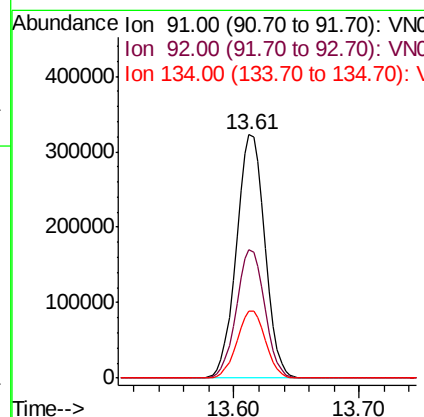
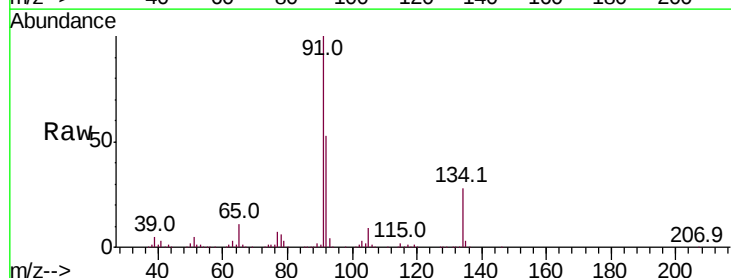
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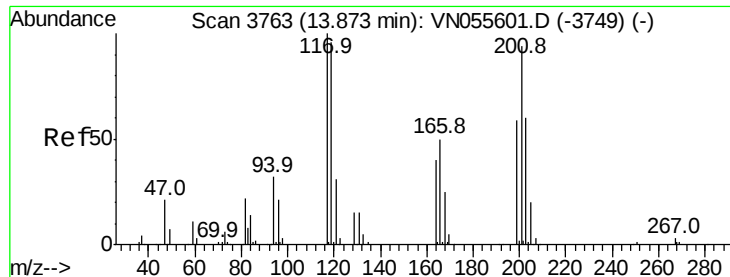
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#89
n-Butylbenzene
Concen: 43.928 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055631.D
Acq: 17 May 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	505996		
92	52.7	26.4	79.0	
134	27.8	13.7	41.1	





#90

Hexachloroethane

Concen: 49.375 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:117 Resp: 123327

Ion Ratio Lower Upper

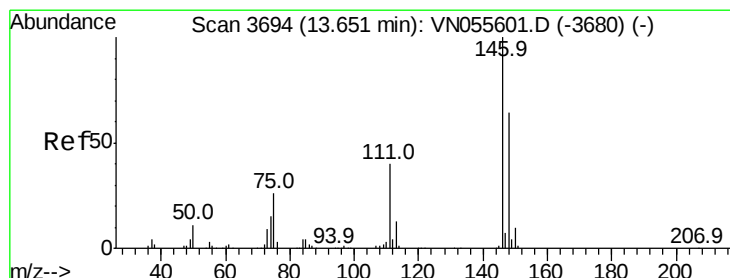
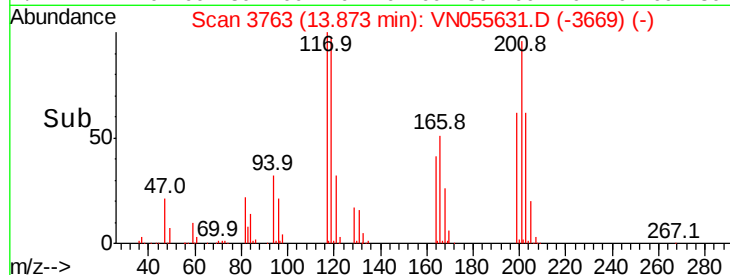
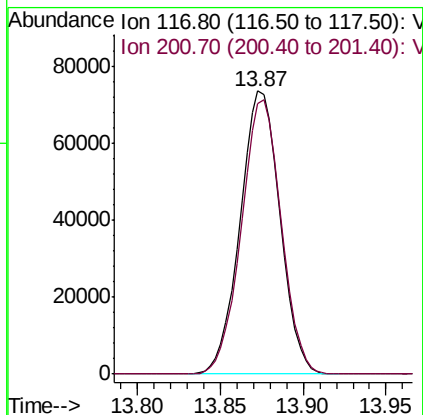
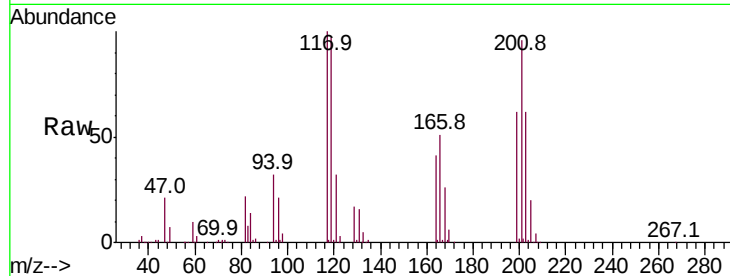
117 100

201 96.6 47.1 141.3

Manual Integrations
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#91

1,2-Dichlorobenzene

Concen: 46.481 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

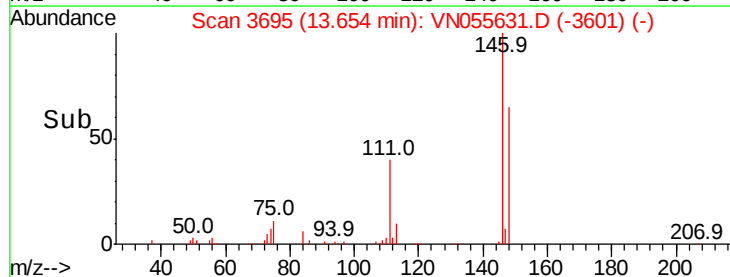
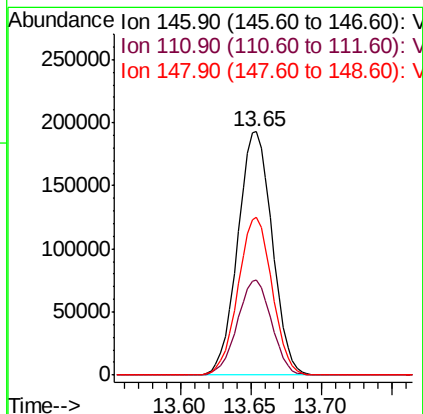
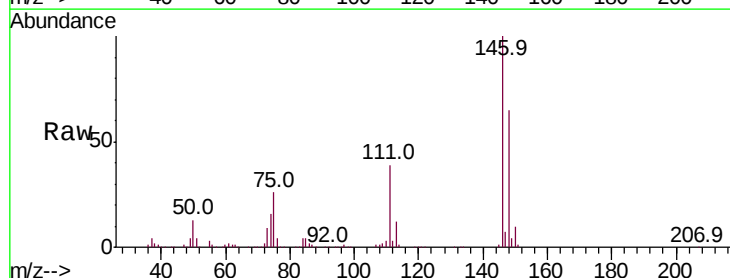
Tgt Ion:146 Resp: 330268

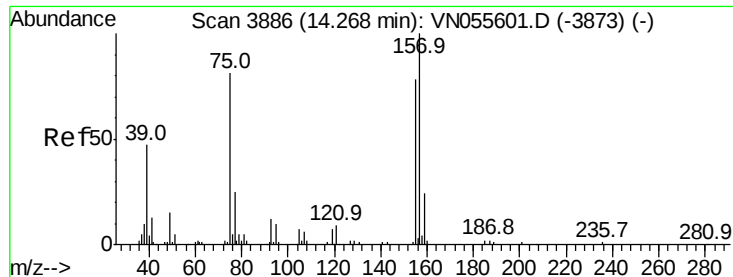
Ion Ratio Lower Upper

146 100

111 38.8 19.7 59.0

148 64.1 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.743 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

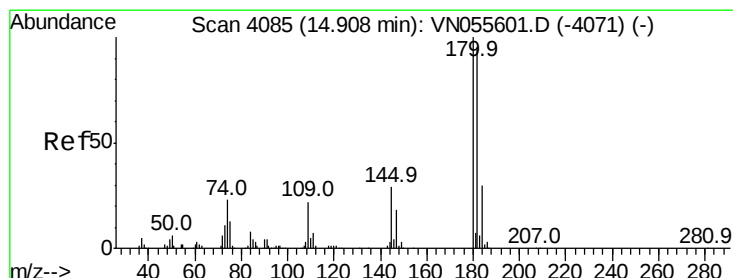
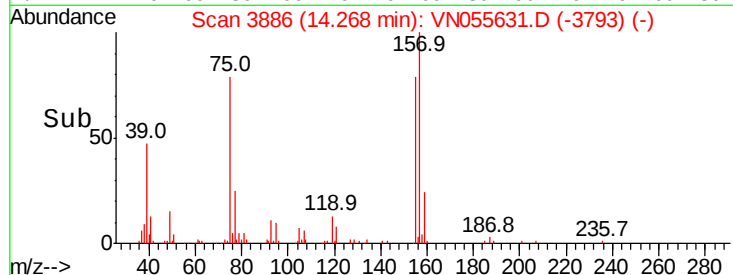
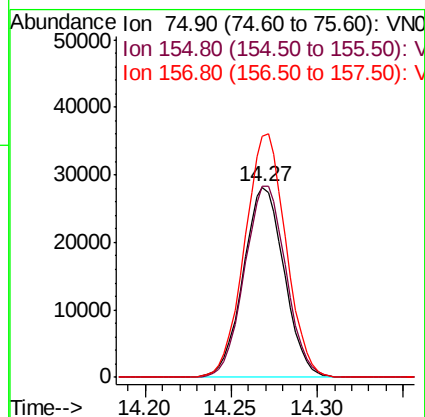
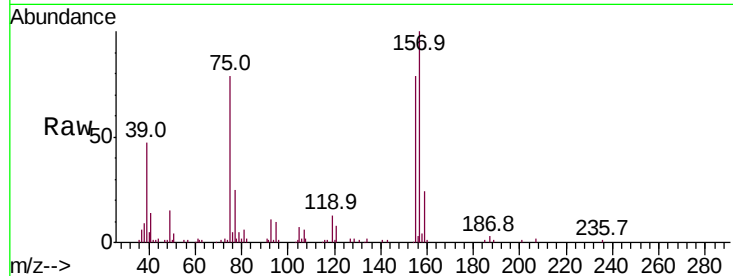
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	75	Resp:	46434
Ion Ratio	Lower	Upper	
75	100		
155	101.6	48.4	145.0
157	129.1	62.3	186.8

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#93

1,2,4-Trichlorobenzene

Concen: 51.533 ug/l

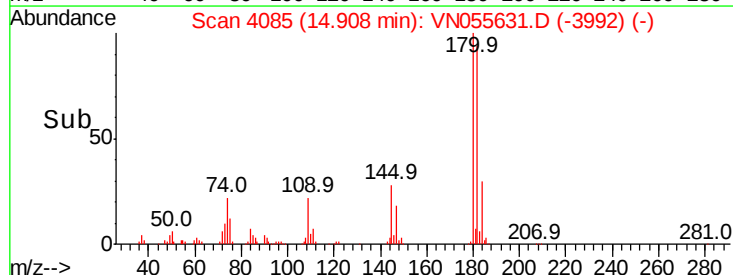
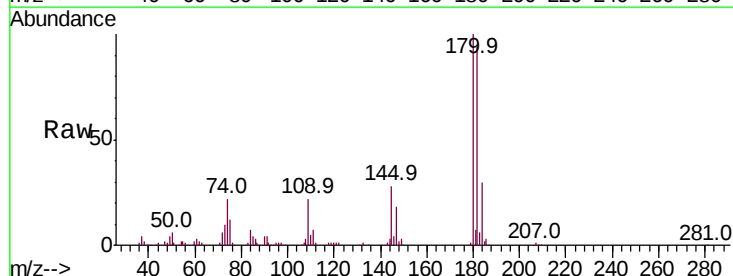
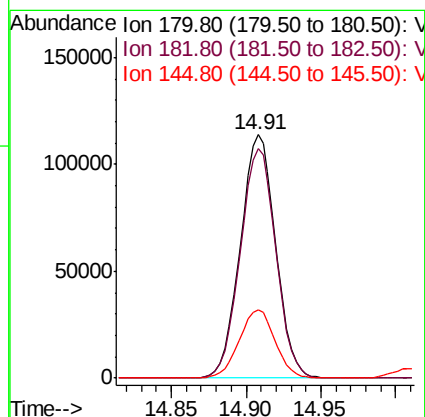
RT: 14.91 min Scan# 4085

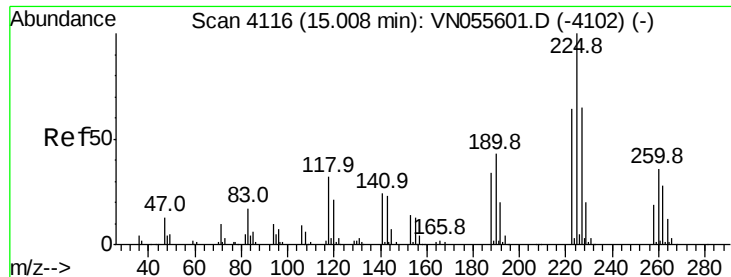
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	180	Resp:	186385
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.9	143.6
145	28.4	14.3	42.9





#94

Hexachlorobutadiene

Concen: 46.750 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Instrument :

MSVOA_N

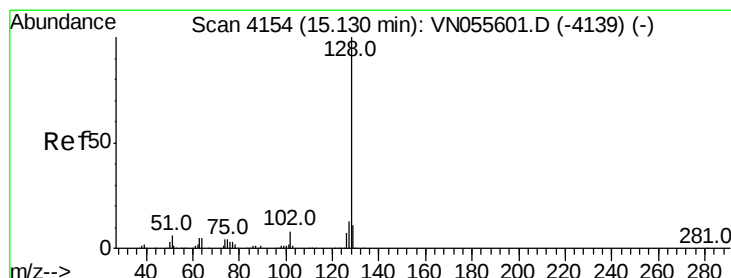
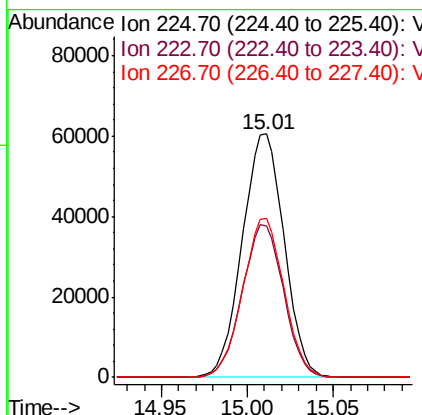
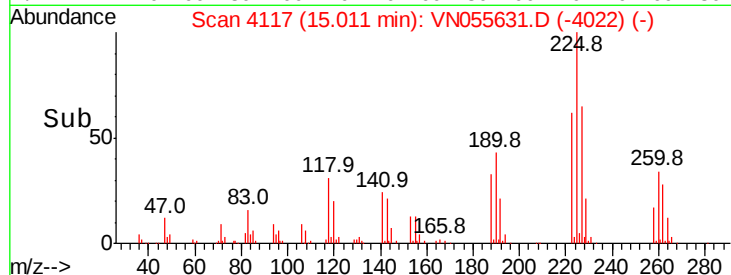
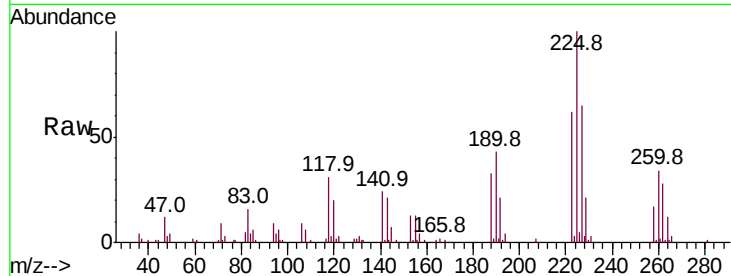
ClientSampleId :

FM-EA-3MW01-051519MS

Tot Ion:	225	Resp:	102466
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.6	94.7
227	64.1	32.4	97.0

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#95

Naphthalene

Concen: 47.521 ug/l

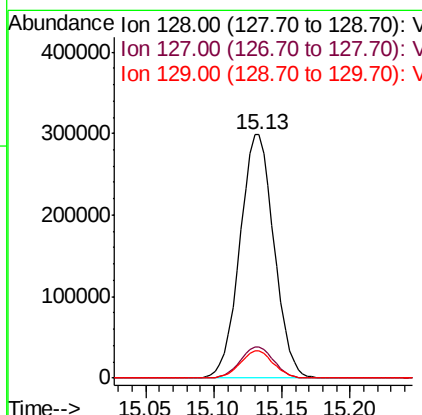
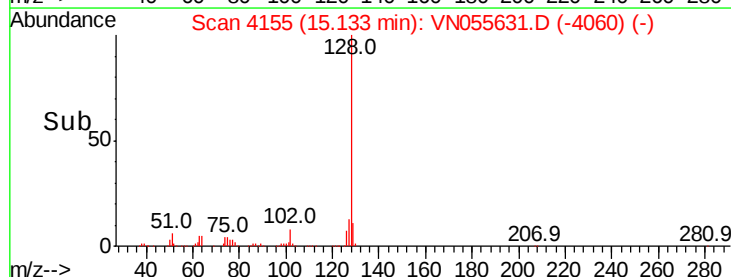
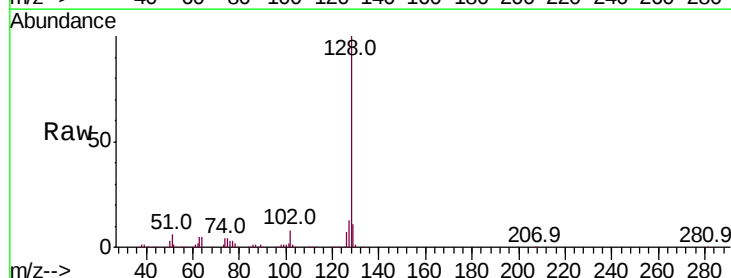
RT: 15.13 min Scan# 4155

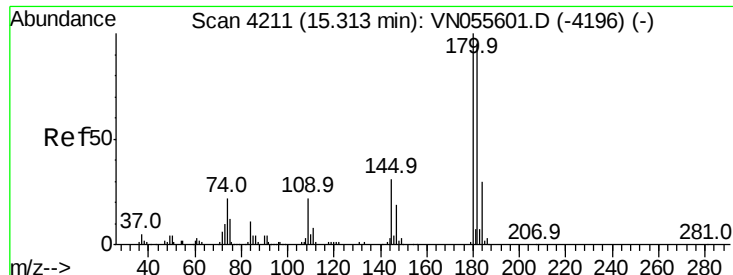
Delta R.T. 0.00 min

Lab File: VN055631.D

Acq: 17 May 2019 23:27

Tgt Ion:	128	Resp:	517723
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 49.088 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055631.D
 Acq: 17 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MS

Tot Ion:	180	Resp:	185635
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.6
145	30.6	15.4	46.1

Manual Integrations
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