

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059531.D
 Acq On : 9 Dec 2019 16:35
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 16:55:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	286834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	462122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	426183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206776	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	614851	172.76	ug/l	0.00
Spiked Amount						
			Recovery	=	345.52%	
35) Dibromofluoromethane	7.57	113	443172	157.74	ug/l	0.00
Spiked Amount						
			Recovery	=	315.48%	
50) Toluene-d8	10.08	98	1718052	156.20	ug/l	0.00
Spiked Amount						
			Recovery	=	312.40%	
62) 4-Bromofluorobenzene	12.40	95	642554	162.27	ug/l	0.00
Spiked Amount						
			Recovery	=	324.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	476546	150.987	ug/l	100
3) Chloromethane	2.04	50	698173	162.073	ug/l	99
4) Vinyl Chloride	2.17	62	716071	246.620	ug/l	100
5) Bromomethane	2.52	94	420777	235.508	ug/l	98
6) Chloroethane	2.67	64	424308	250.142	ug/l	98
7) Trichlorofluoromethane	2.99	101	873523	252.249	ug/l	99
8) Diethyl Ether	3.38	74	286274	145.808	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	436940	146.807	ug/l	99
10) Methyl Iodide	3.92	142	602632	161.346	ug/l	100
11) Tert butyl alcohol	4.75	59	534712	820.794	ug/l	99
12) 1,1-Dichloroethene	3.71	96	432244	149.676	ug/l	97
13) Acrolein	3.58	56	307035	612.736	ug/l	99
14) Allyl chloride	4.29	41	871972	152.032	ug/l	100
15) Acrylonitrile	4.95	53	1399979	793.167	ug/l	99
16) Acetone	3.79	43	1262798	539.571	ug/l	99
17) Carbon Disulfide	4.03	76	1385188	139.526	ug/l	100
18) Methyl Acetate	4.29	43	729730	155.508	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	1596135	160.644	ug/l	99
20) Methylene Chloride	4.52	84	494825	134.578	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	487217	149.924	ug/l	98
22) Diisopropyl ether	5.92	45	1751216	163.753	ug/l	96
23) Vinyl Acetate	5.87	43	7120205	825.853	ug/l	95
24) 1,1-Dichloroethane	5.82	63	945311	155.838	ug/l	100
25) 2-Butanone	6.81	43	2036242	769.579	ug/l	100
26) 2,2-Dichloropropane	6.80	77	845192	159.569	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	548511	151.666	ug/l	99
28) Bromochloromethane	7.17	49	383350	198.335	ug/l	99
29) Tetrahydrofuran	7.18	42	1350940	808.112	ug/l	100
30) Chloroform	7.35	83	954122	161.651	ug/l	98
31) Cyclohexane	7.63	56	879233	150.560	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	829252	161.119	ug/l	100
36) 1,1-Dichloropropene	7.77	75	736507	156.377	ug/l	100
37) Ethyl Acetate	6.90	43	834915	158.655	ug/l	100
38) Carbon Tetrachloride	7.75	117	734602	161.410	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	880363	156.583	ug/l	99
40) Benzene	8.02	78	2068028	150.594	ug/l	99
41) Methacrylonitrile	7.18	41	1226361	565.040	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	795489	166.809	ug/l	99
43) Isopropyl Acetate	8.15	43	1366120	173.489	ug/l	99
44) Trichloroethene	8.82	130	525169	146.635	ug/l	97
45) 1,2-Dichloropropane	9.10	63	564347	153.561	ug/l	100
46) Dibromomethane	9.19	93	368699	160.278	ug/l	98
47) Bromodichloromethane	9.39	83	762075	164.636	ug/l	100
48) Methyl methacrylate	9.18	41	631830	178.170	ug/l	99
49) 1,4-Dioxane	9.19	88	165494	3168.209	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3767333	807.677	ug/l	93
52) Toluene	10.15	92	1293818	156.166	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	906969	167.081	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	928157	162.071	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	509626	155.786	ug/l	98
56) Ethyl methacrylate	10.42	69	858308	181.103	ug/l	99
57) 1,3-Dichloropropane	10.70	76	896815	157.889	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	1183924	854.998	ug/l	100
59) 2-Hexanone	10.74	43	2914416	830.223	ug/l	95
60) Dibromochloromethane	10.90	129	585245	166.495	ug/l	99
61) 1,2-Dibromoethane	11.00	107	546102	161.143	ug/l	99
64) Tetrachloroethene	10.63	164	465620	134.849	ug/l	99
65) Chlorobenzene	11.43	112	1343974	148.151	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	516508	157.894	ug/l	99
67) Ethyl Benzene	11.51	91	2437324	153.006	ug/l	97
68) m/p-Xylenes	11.62	106	1865858	312.011	ug/l	94
69) o-Xylene	11.95	106	898097	157.698	ug/l	98
70) Styrene	11.96	104	1607349	176.210	ug/l	99
71) Bromoform	12.12	173	428162	165.659	ug/l #	99
73) Isopropylbenzene	12.25	105	2366470	150.151	ug/l	99
74) N-amyl acetate	12.07	43	1176400	182.814	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	771662	150.828	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1090579	215.877	ug/l #	100
77) Bromobenzene	12.53	156	568060	142.338	ug/l	94
78) n-propylbenzene	12.59	91	2753591	148.627	ug/l	99
79) 2-Chlorotoluene	12.67	91	1652242	147.725	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1997837	149.769	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	314049	168.720	ug/l	90
82) 4-Chlorotoluene	12.77	91	1740210	150.196	ug/l	99
83) tert-Butylbenzene	12.99	119	1716969	148.430	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2012855	154.003	ug/l	100
85) sec-Butylbenzene	13.17	105	2299623	149.583	ug/l	99
86) p-Isopropyltoluene	13.29	119	2111402	152.738	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1043321	146.883	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1032223	143.928	ug/l	99
89) n-Butylbenzene	13.62	91	2031806	163.579	ug/l	99
90) Hexachloroethane	13.88	117	406220	152.500	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1003890	147.646	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	187301	151.697	ug/l	95

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Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:19:24 2019
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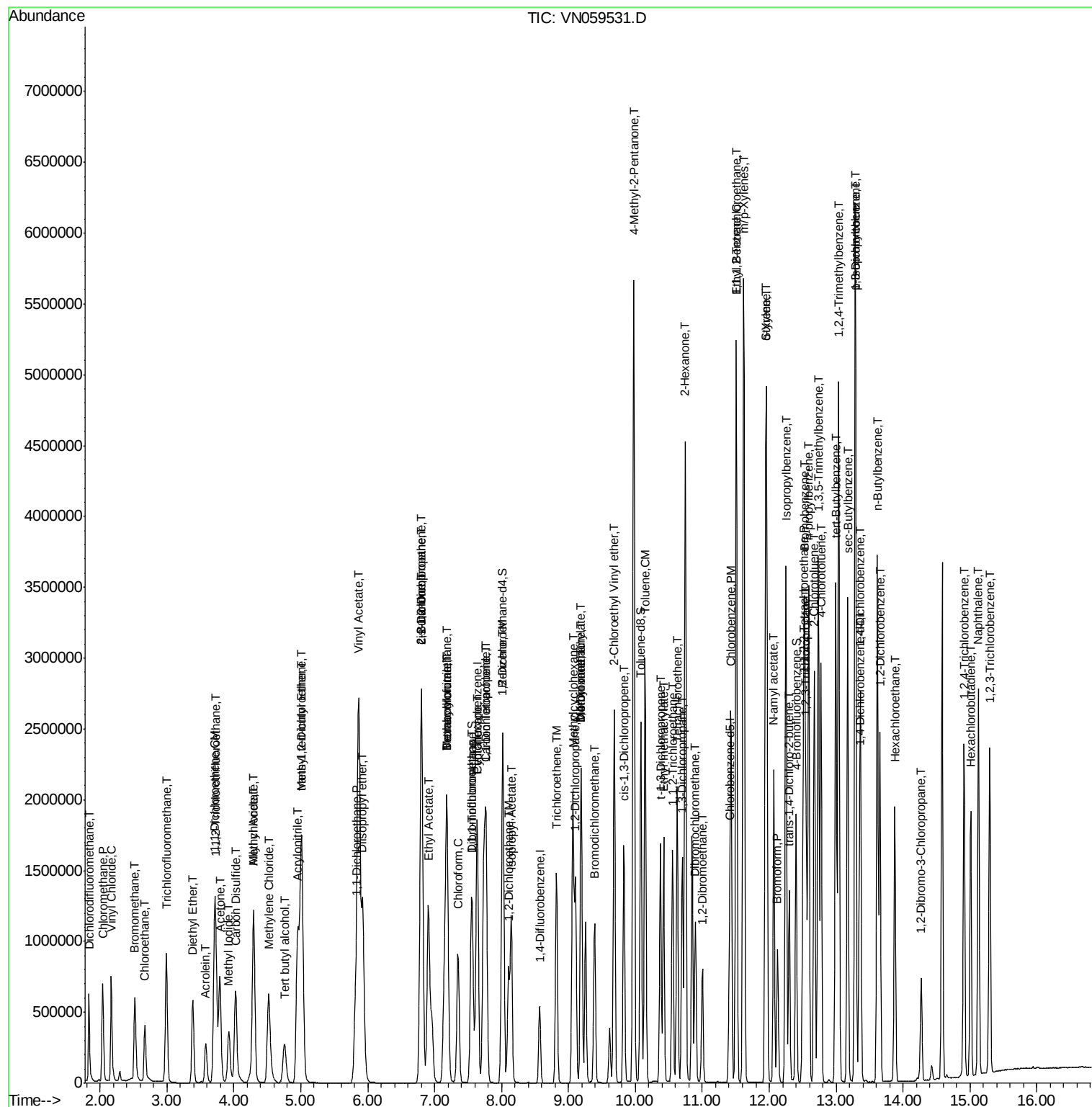
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	716184	167.477	ug/l	99
94) Hexachlorobutadiene	15.01	225	342914	128.809	ug/l	99
95) Naphthalene	15.13	128	2144046	170.991	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	698373	152.668	ug/l	99

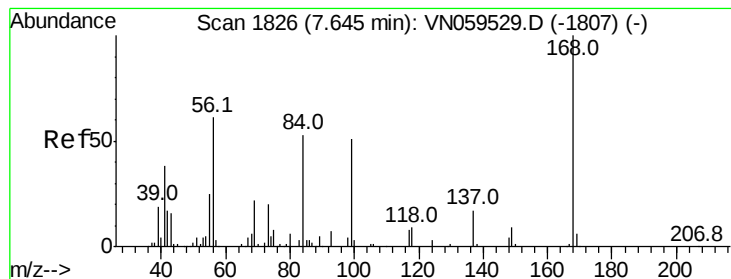
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

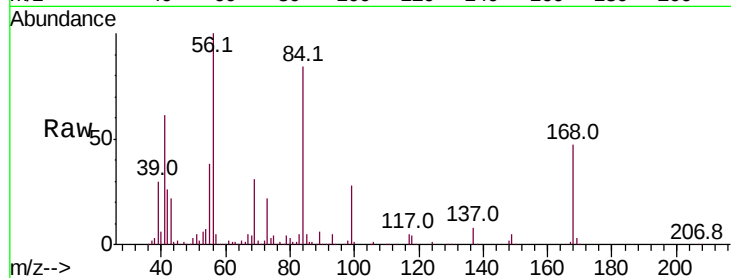
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 286834

Ion Ratio Lower Upper

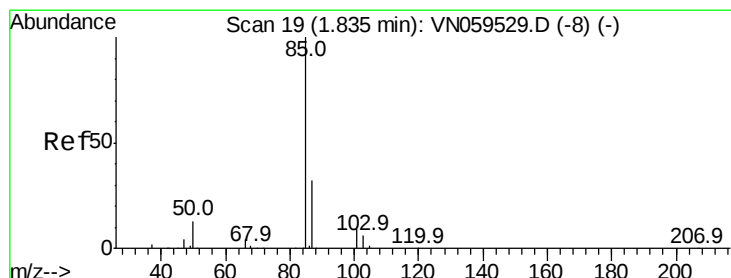
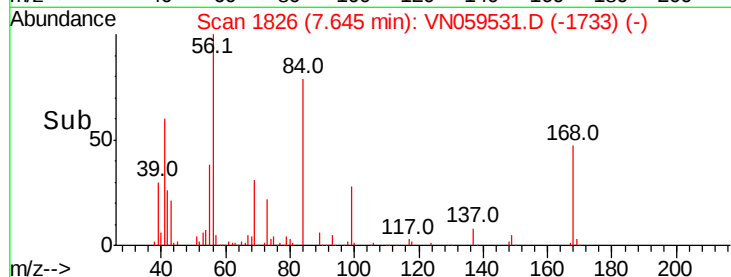
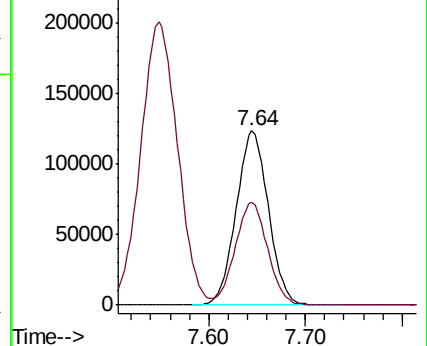
168 100

99 58.8 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 150.987 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059531.D

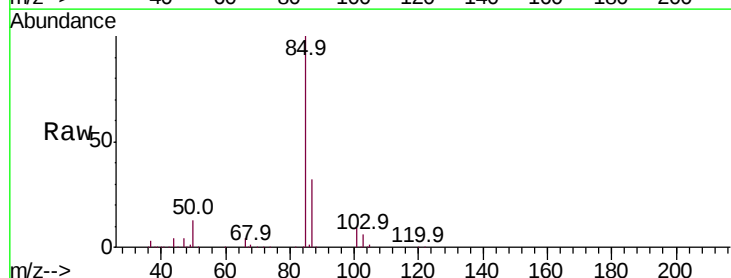
Acq: 9 Dec 2019 16:35

Tgt Ion: 85 Resp: 476546

Ion Ratio Lower Upper

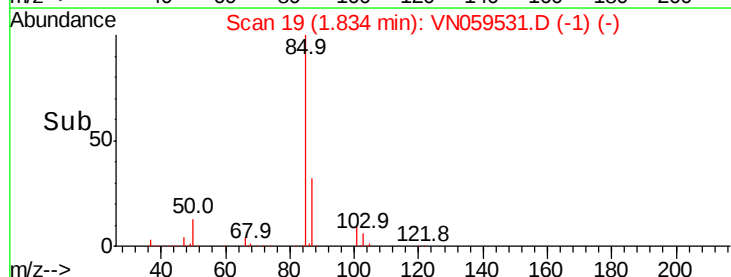
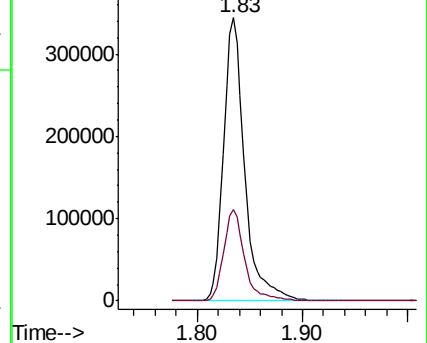
85 100

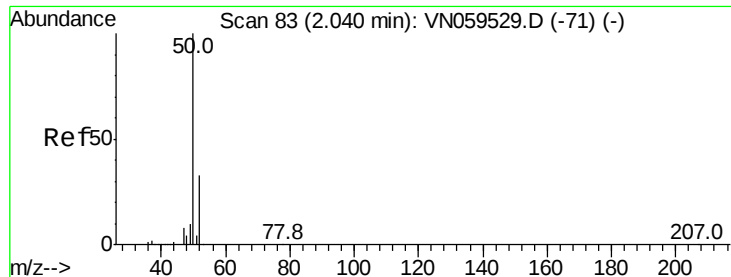
87 32.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 162.073 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

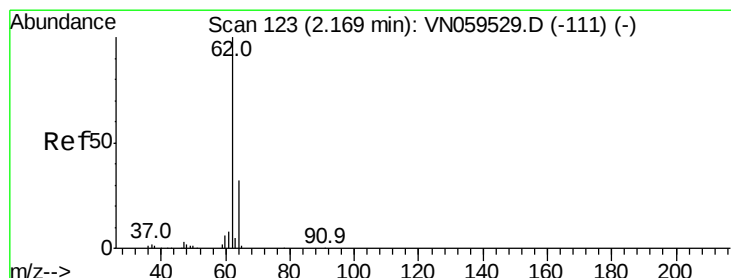
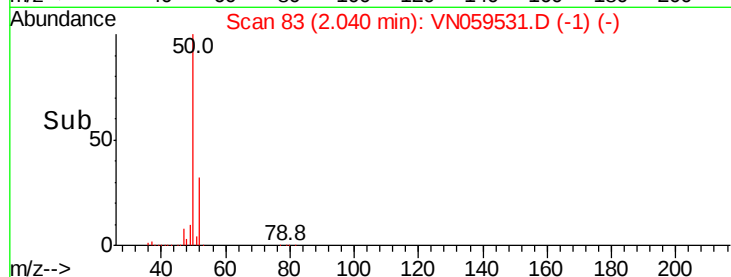
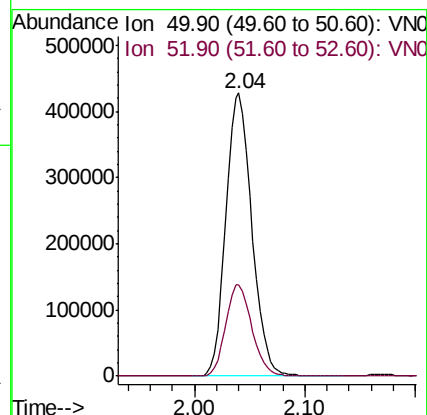
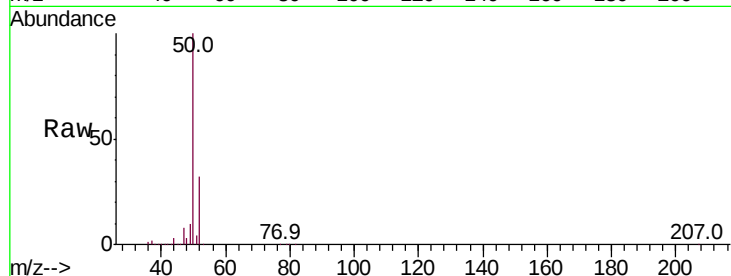
ClientSampleId :

Tot Ion: 50 Resp: 698173

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.4



#4

Vinyl Chloride

Concen: 246.620 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059531.D

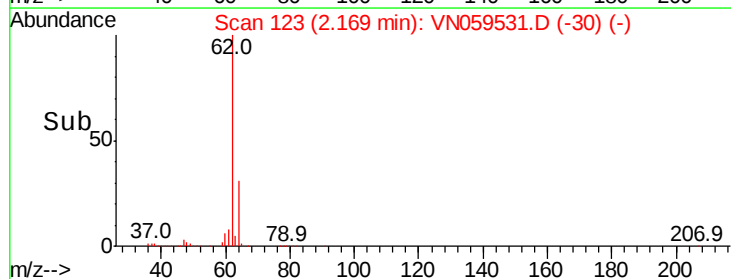
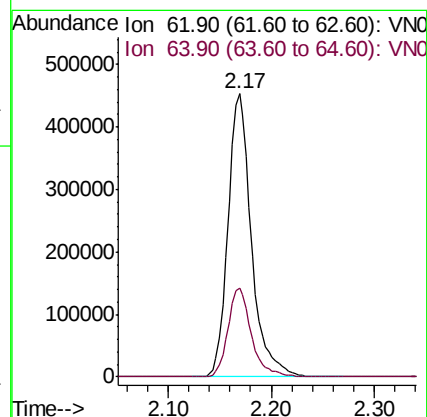
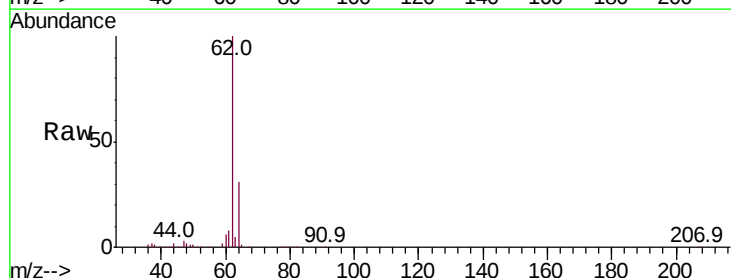
Acq: 9 Dec 2019 16:35

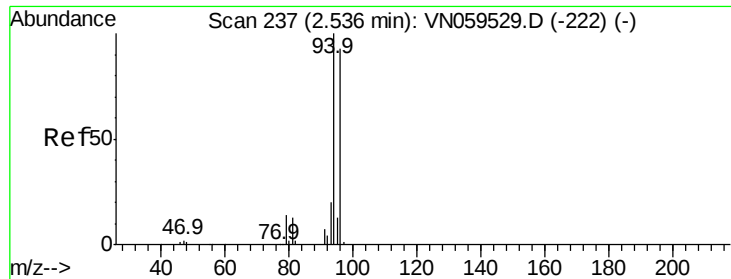
Tgt Ion: 62 Resp: 716071

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0

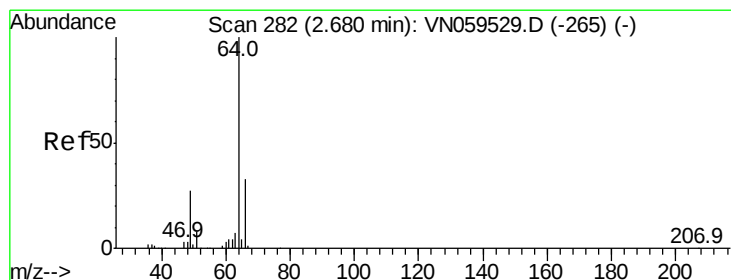
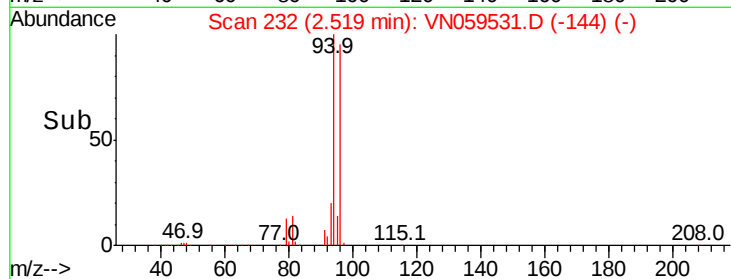
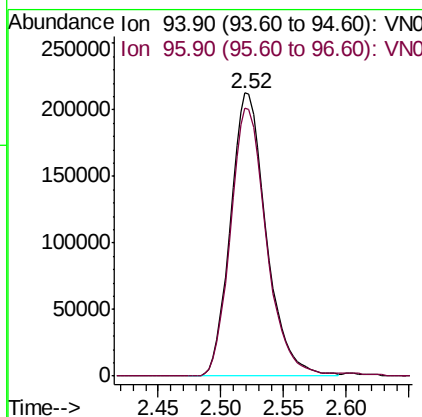
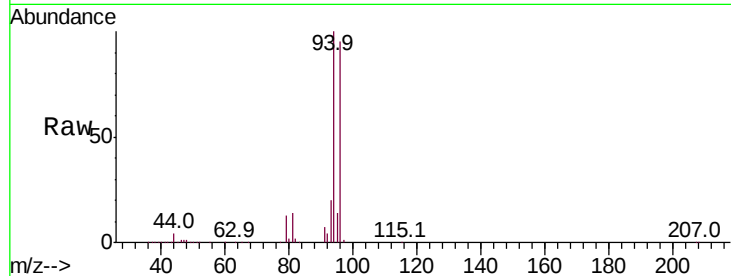




#5
Bromomethane
Concen: 235.508 ug/l
RT: 2.52 min Scan# 232
Delta R.T. -0.02 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

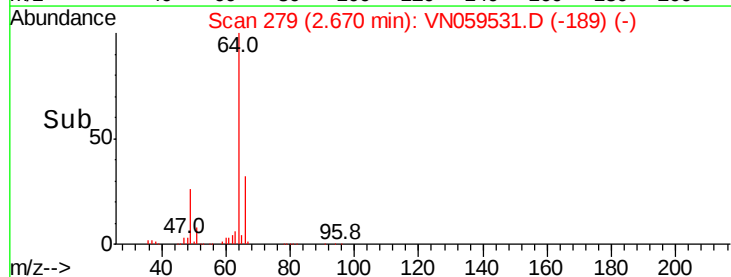
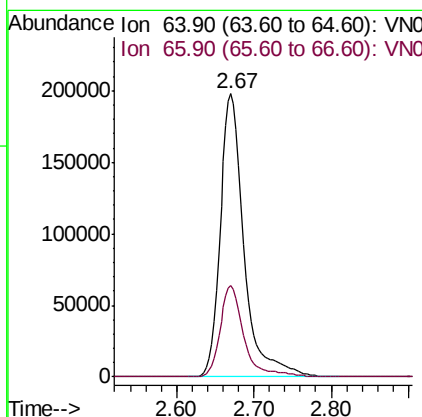
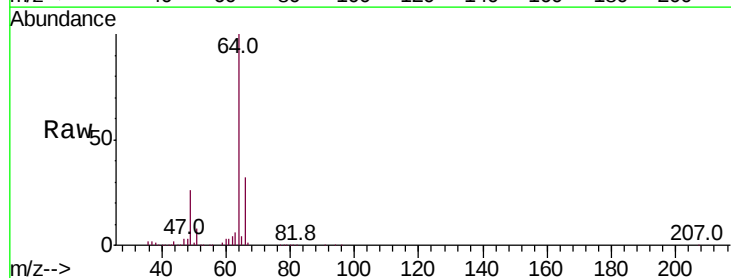
Instrument :
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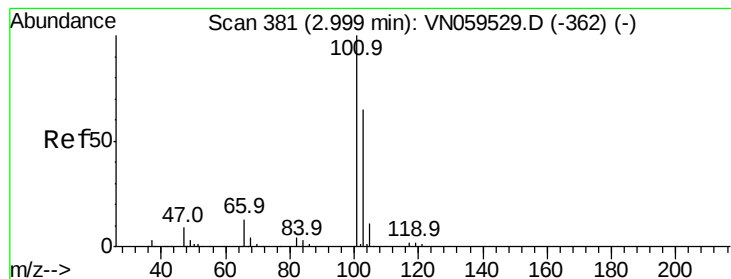
Tot Ion: 94 Resp: 420777
Ion Ratio Lower Upper
94 100
96 94.8 74.6 112.0



#6
Chloroethane
Concen: 250.142 ug/l
RT: 2.67 min Scan# 279
Delta R.T. -0.01 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion: 64 Resp: 424308
Ion Ratio Lower Upper
64 100
66 32.2 26.7 40.1



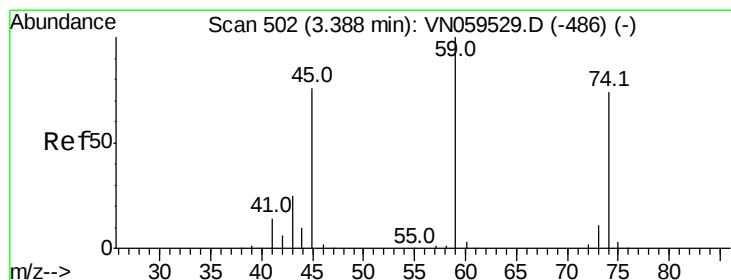
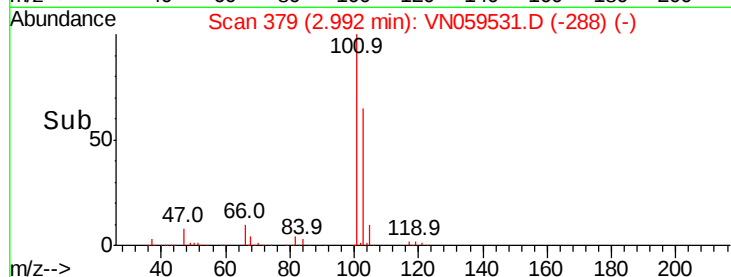
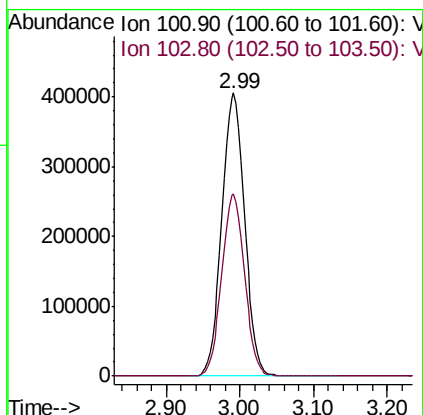
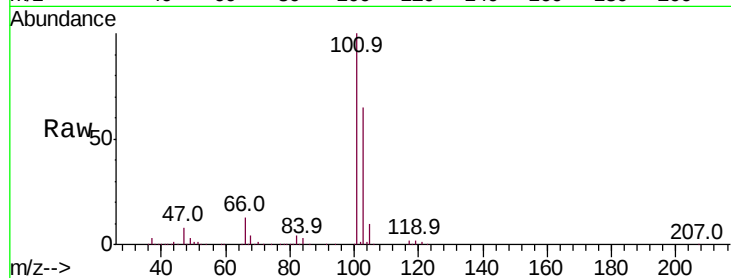


#7

Trichlorofluoromethane
 Concen: 252.249 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :

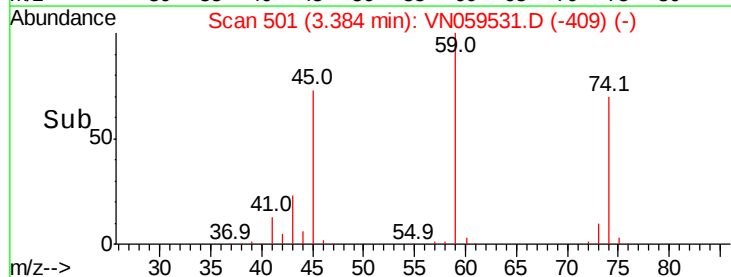
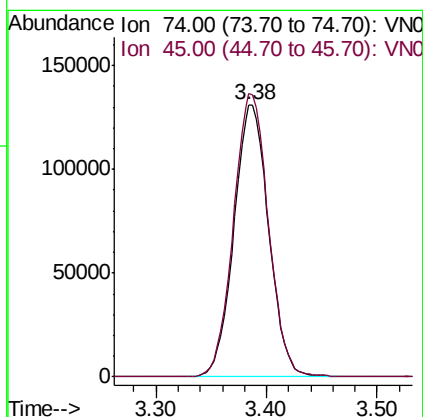
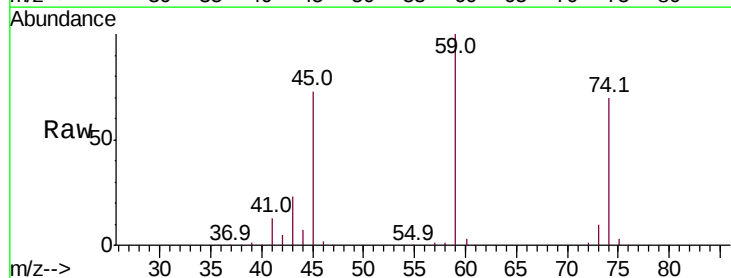
Tot Ion:101 Resp: 873523
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.2 78.4

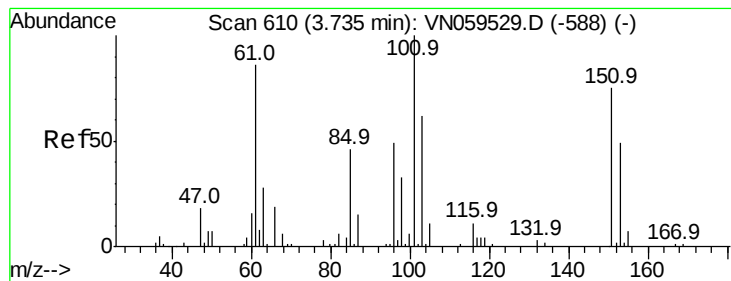


#8

Diethyl Ether
 Concen: 145.808 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Tgt Ion: 74 Resp: 286274
 Ion Ratio Lower Upper
 74 100
 45 104.1 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.807 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

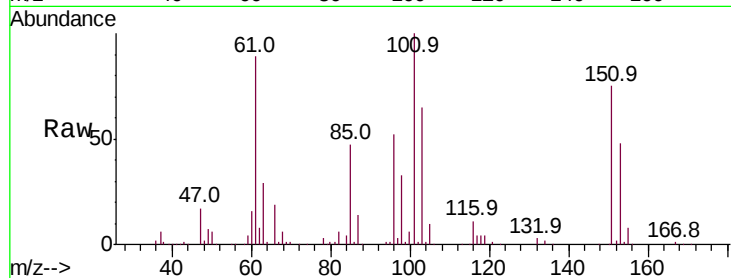
Tot Ion:101 Resp: 436940

Ion Ratio Lower Upper

101 100

85 45.9 36.6 54.8

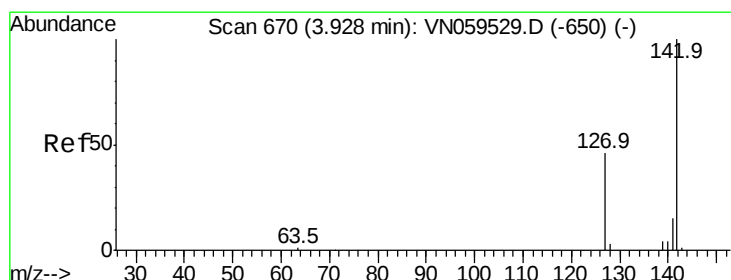
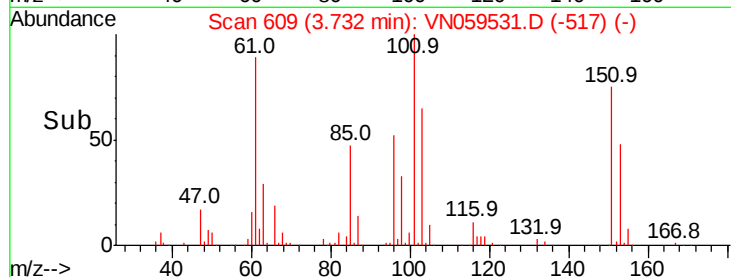
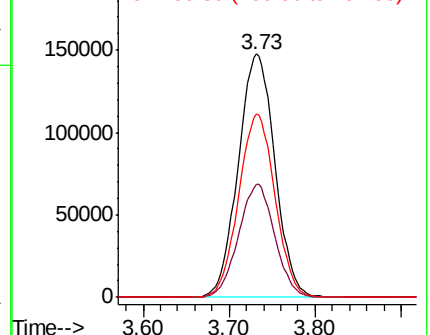
151 74.7 59.3 88.9



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: 161.346 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

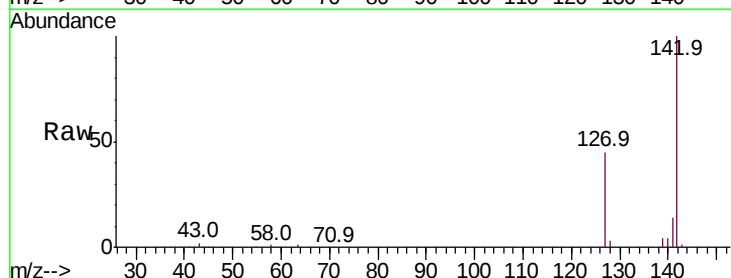
Tgt Ion:142 Resp: 602632

Ion Ratio Lower Upper

142 100

127 45.7 36.6 54.8

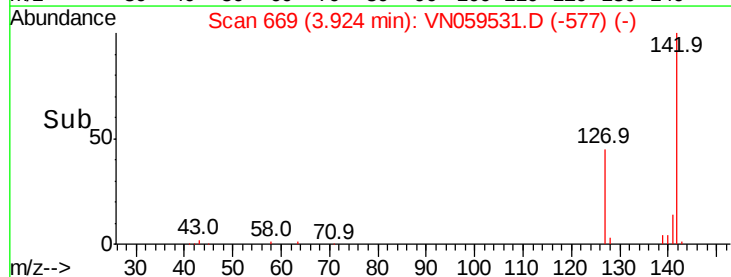
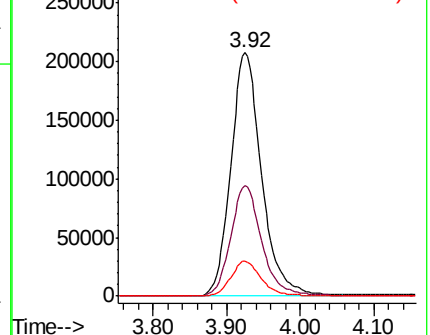
141 14.4 11.6 17.4

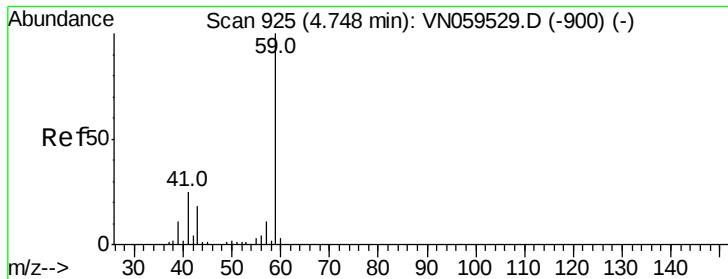


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



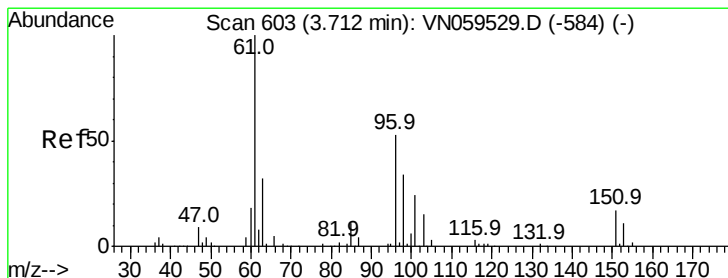
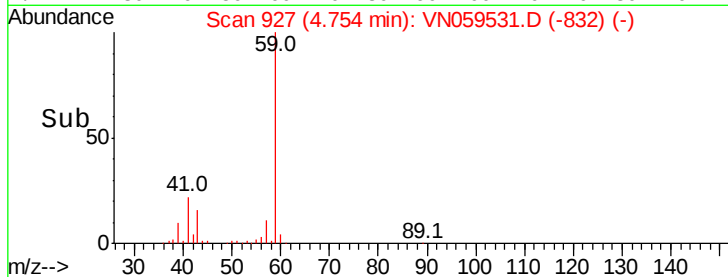
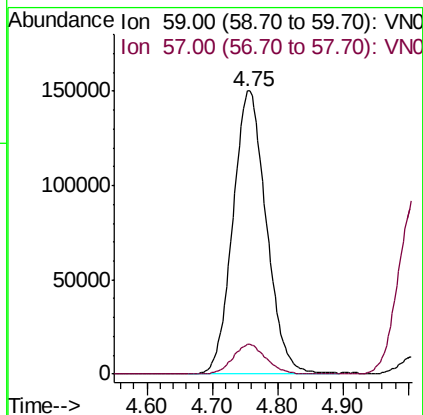
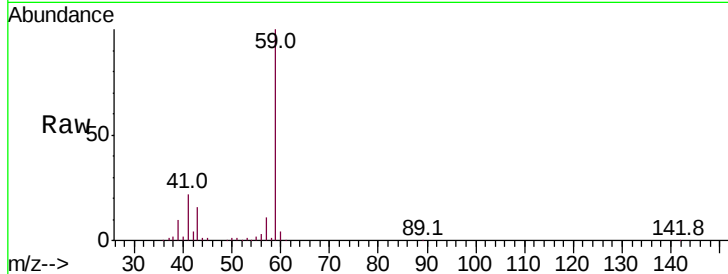


#11

Tert butyl alcohol
Concen: 820.794 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :

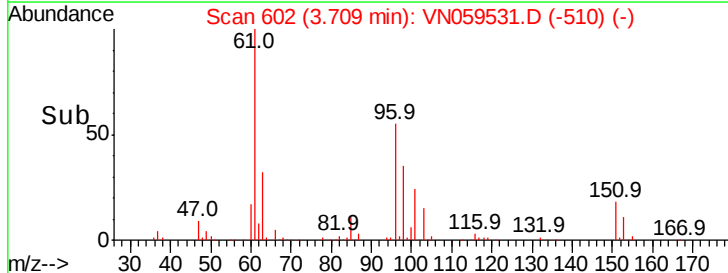
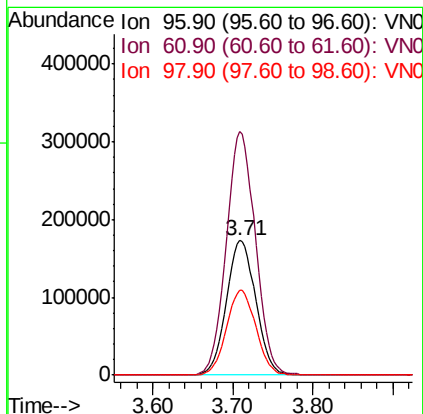
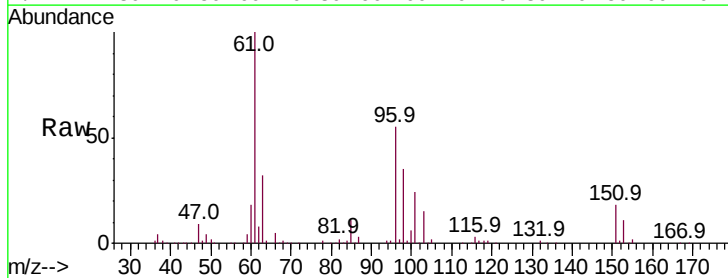
Tot Ion: 59 Resp: 534712
Ion Ratio Lower Upper
59 100
57 10.5 8.6 13.0

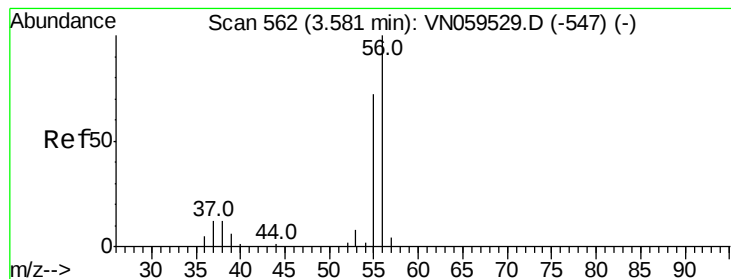


#12

1,1-Dichloroethene
Concen: 149.676 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion: 96 Resp: 432244
Ion Ratio Lower Upper
96 100
61 180.6 149.8 224.6
98 63.2 50.6 75.8





#13

Acrolein

Concen: 612.736 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

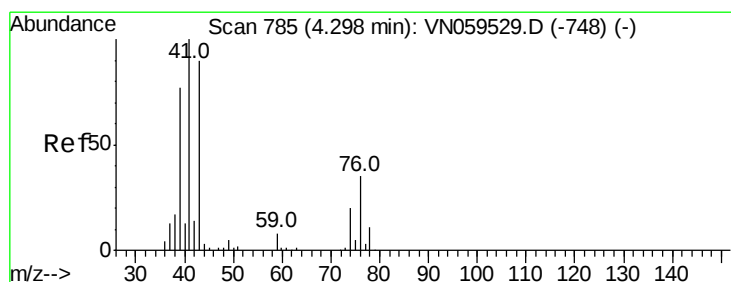
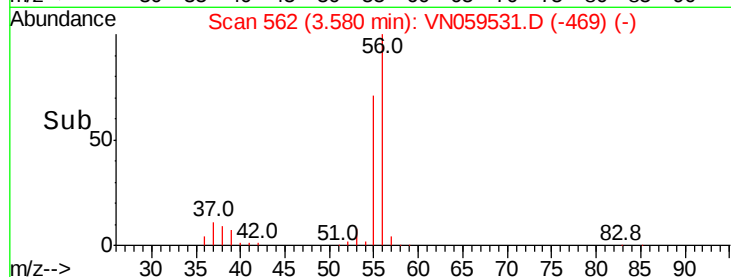
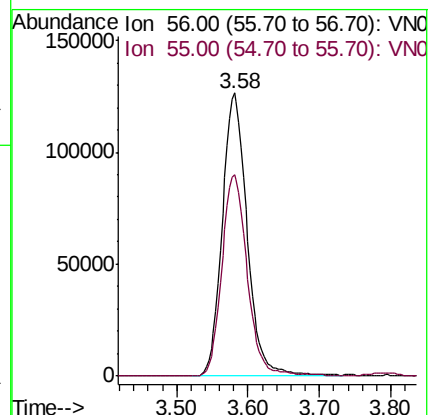
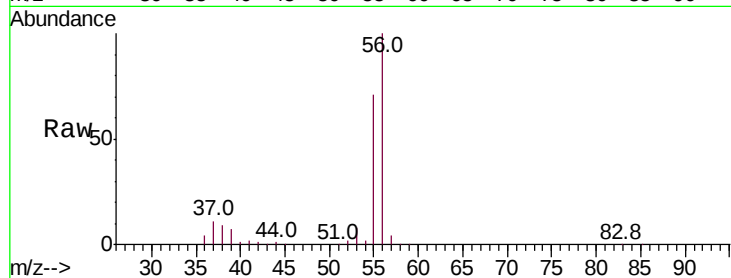
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 307035

Ion Ratio Lower Upper

56 100

55 71.9 56.9 85.3



#14

Allyl chloride

Concen: 152.032 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

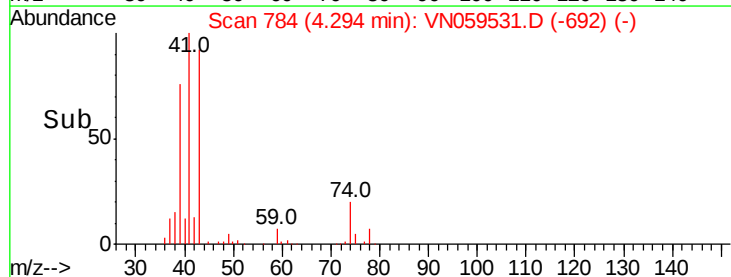
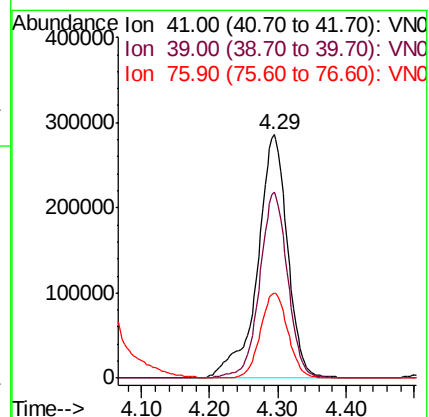
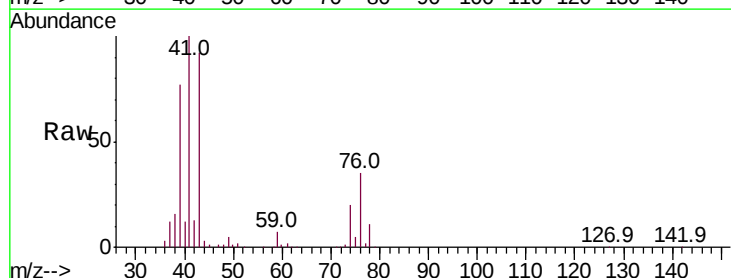
Tgt Ion: 41 Resp: 871972

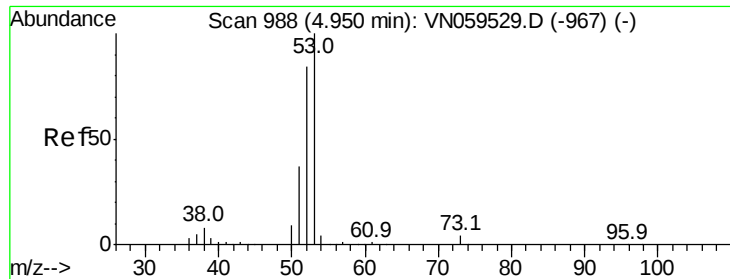
Ion Ratio Lower Upper

41 100

39 71.3 56.7 85.1

76 31.7 25.5 38.3





#15

Acrylonitrile

Concen: 793.167 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

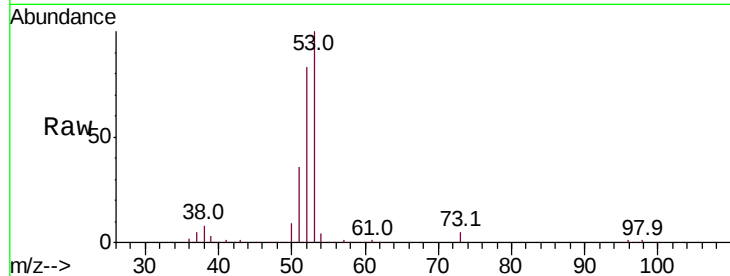
Tot Ion: 53 Resp: 1399979

Ion Ratio Lower Upper

53 100

52 82.4 66.6 99.8

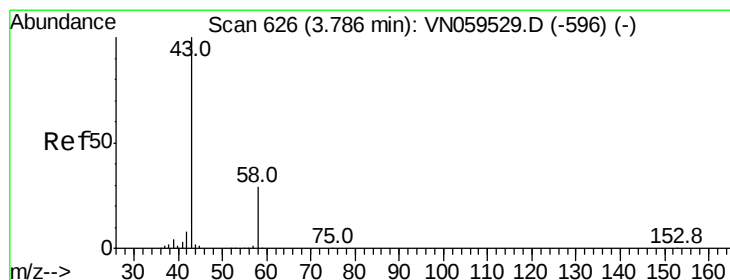
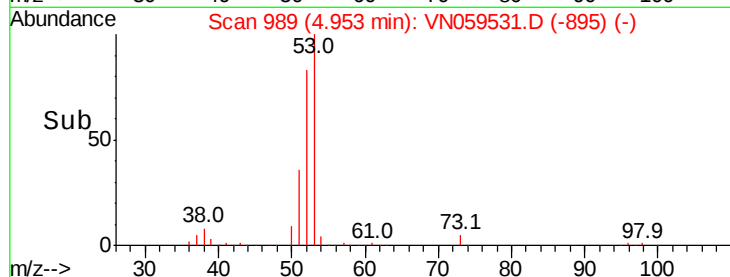
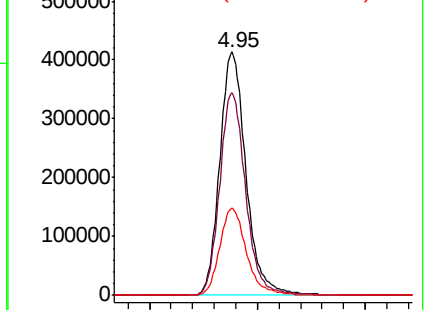
51 36.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 539.571 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059531.D

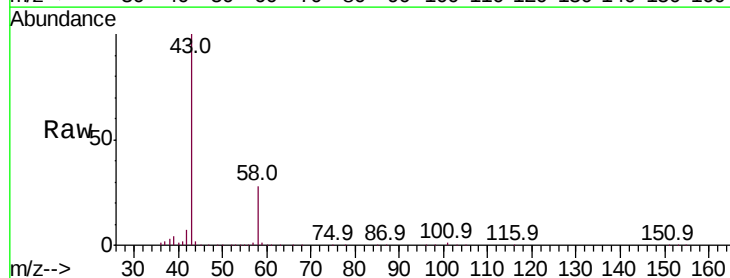
Acq: 9 Dec 2019 16:35

Tgt Ion: 43 Resp: 1262798

Ion Ratio Lower Upper

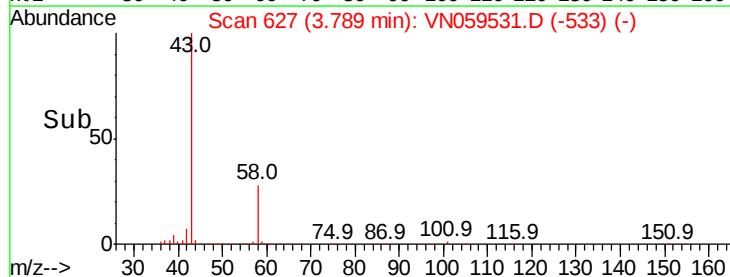
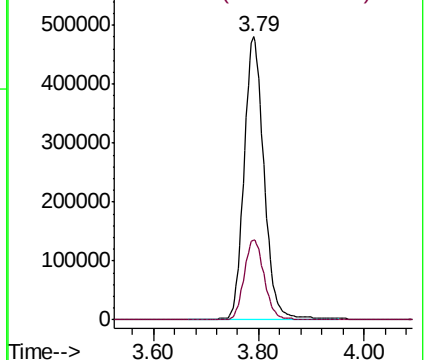
43 100

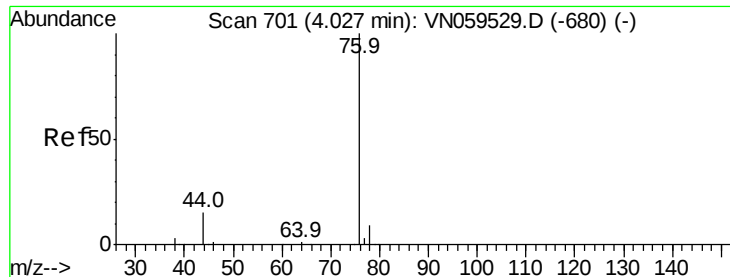
58 28.3 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

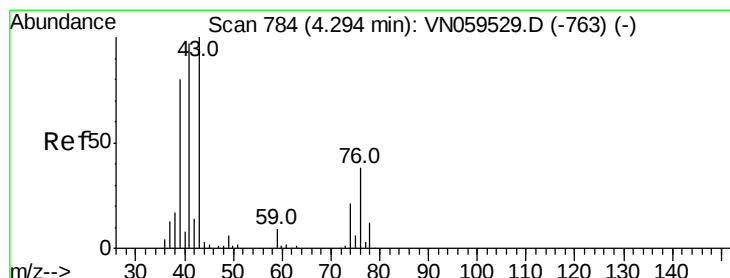
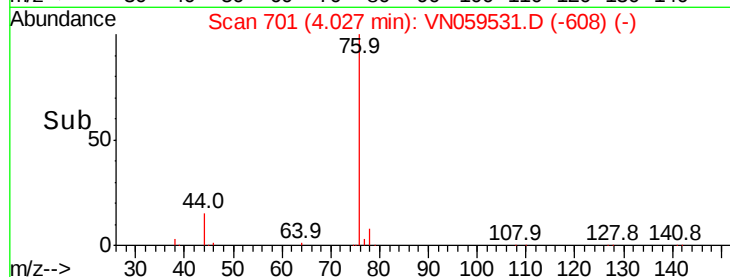
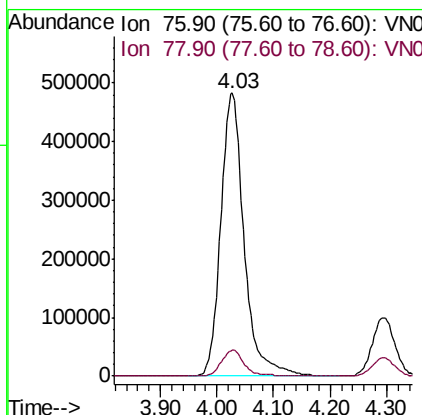
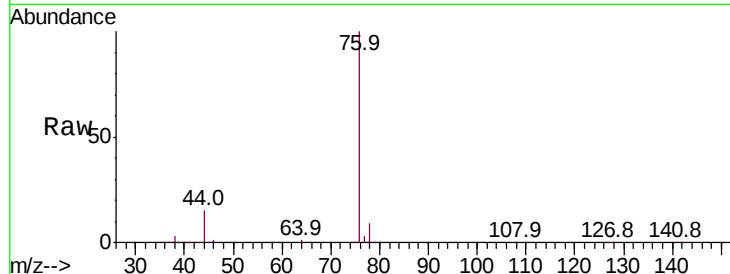




#17
Carbon Disulfide
Concen: 139.526 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

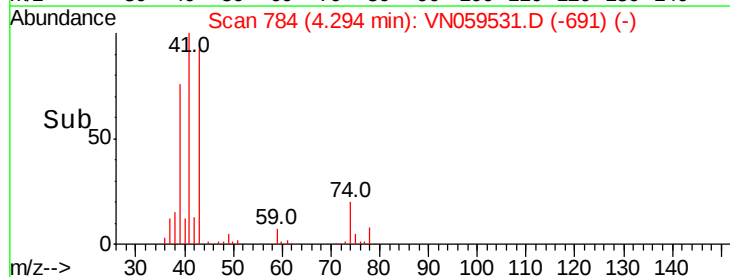
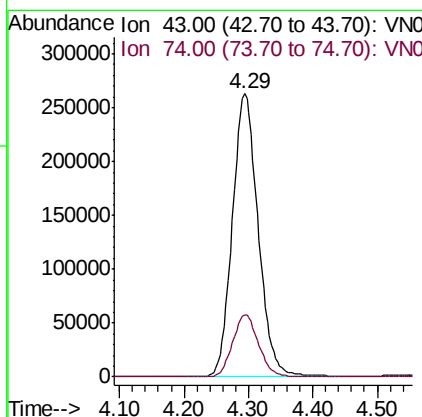
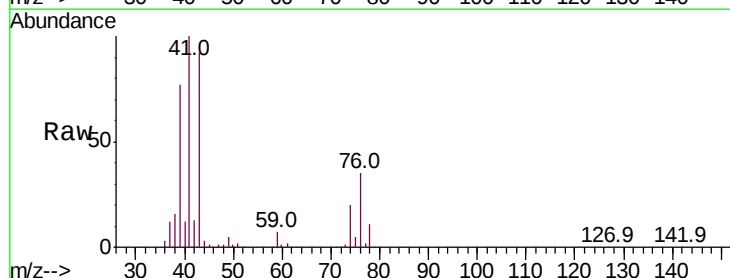
Instrument :
MSVOA_N
ClientSampled :

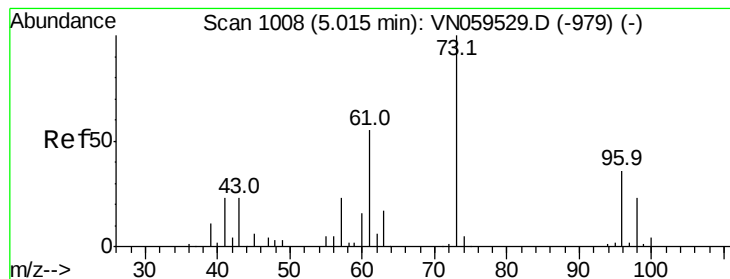
Tot Ion: 76 Resp: 1385188
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 155.508 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion: 43 Resp: 729730
Ion Ratio Lower Upper
43 100
74 22.2 17.5 26.3



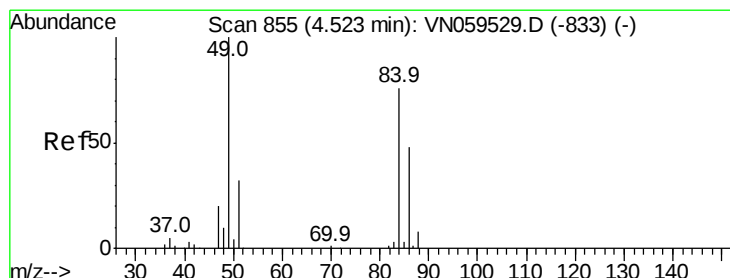
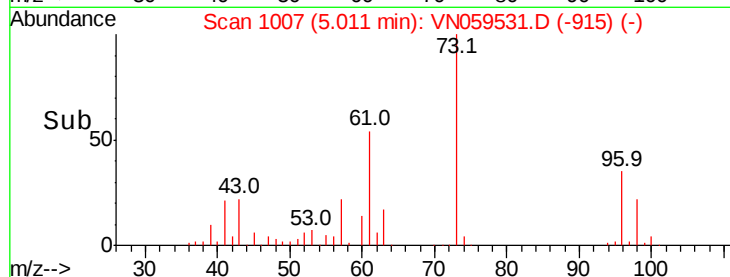
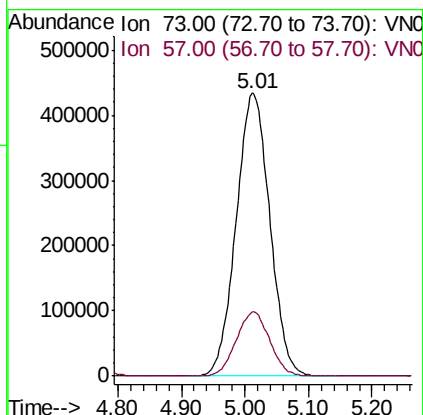
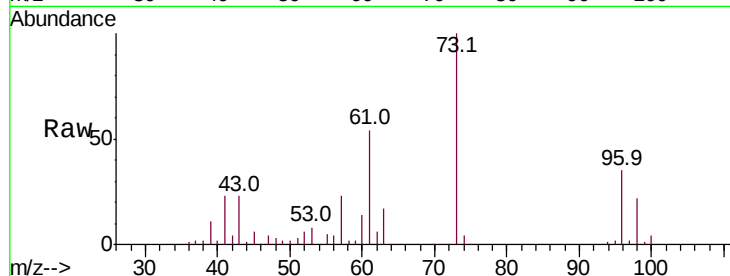


#19

Methyl tert-butyl Ether
 Concen: 160.644 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Instrument :
 MSVOA_N
 ClientSampled :

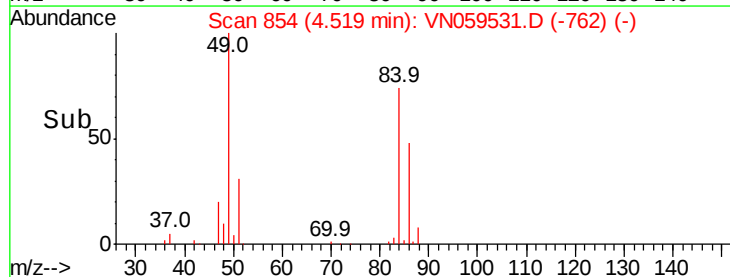
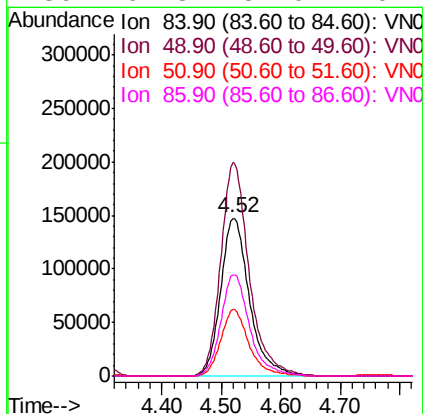
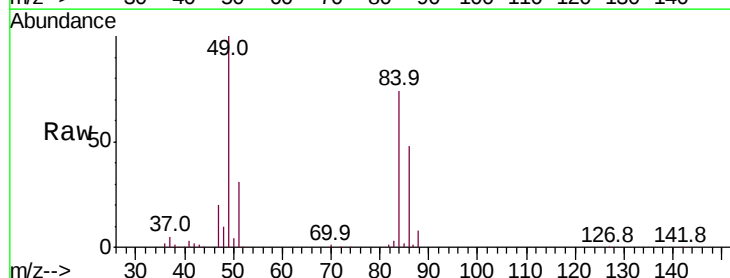
Tot Ion: 73 Resp: 1596135
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.3 27.5

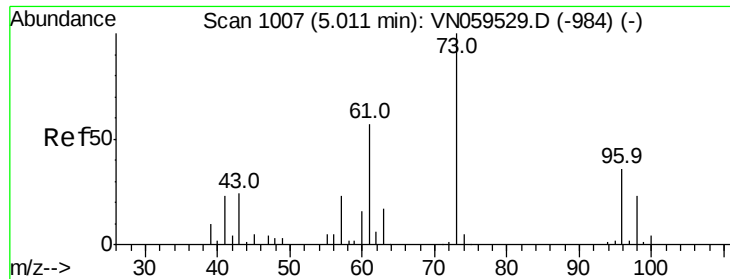


#20

Methylene Chloride
 Concen: 134.578 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Tgt Ion: 84 Resp: 494825
 Ion Ratio Lower Upper
 84 100
 49 135.0 105.8 158.8
 51 41.9 33.7 50.5
 86 64.3 51.0 76.4

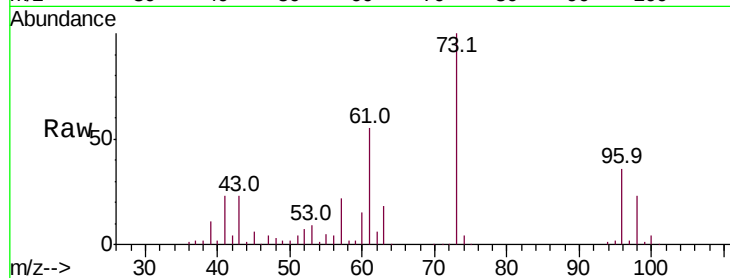




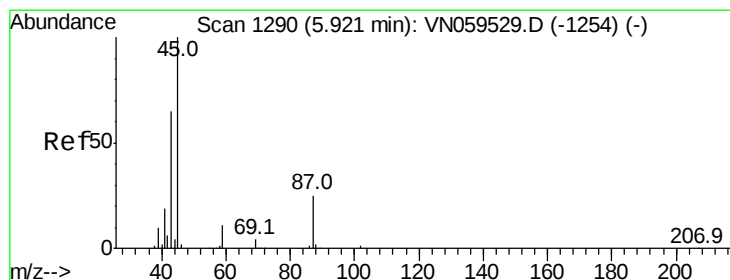
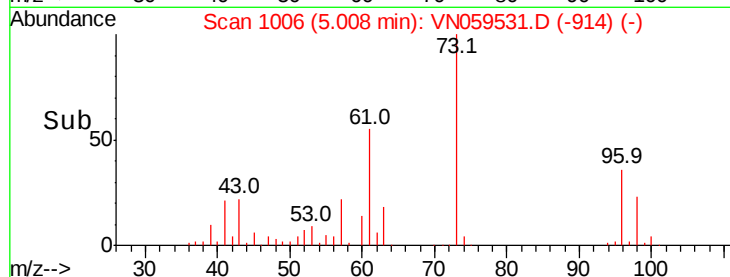
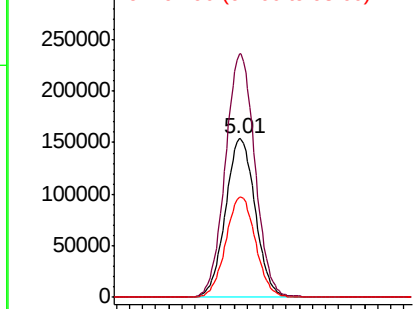
#21
trans-1,2-Dichloroethene
Concen: 149.924 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 487217
Ion Ratio Lower Upper
96 100
61 153.2 124.8 187.2
98 62.9 51.0 76.4

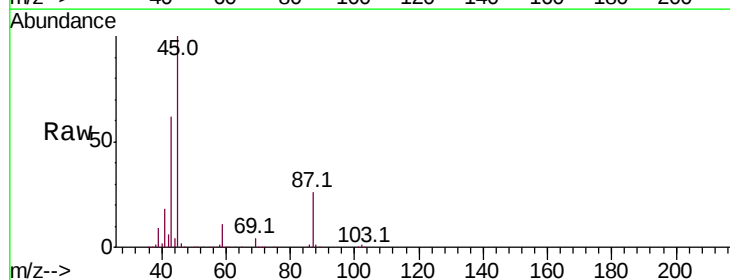


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

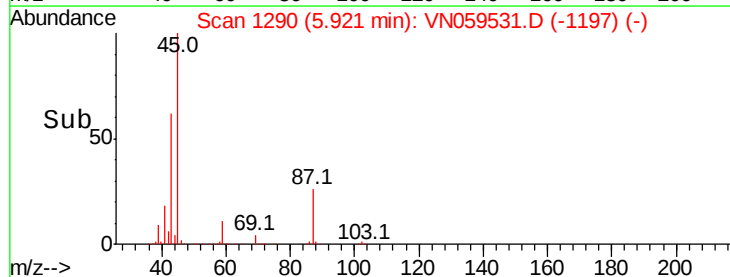
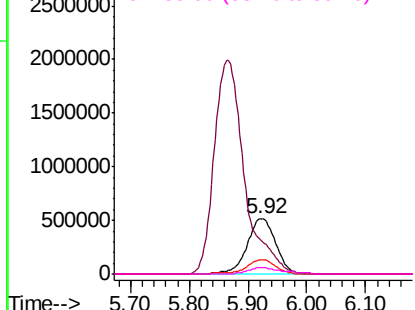


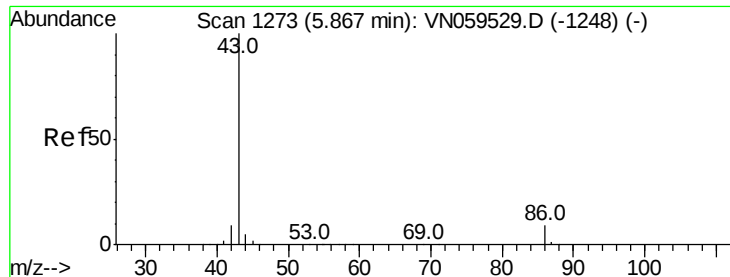
#22
Diisopropyl ether
Concen: 163.753 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion: 45 Resp: 1751216
Ion Ratio Lower Upper
45 100
43 61.1 52.8 79.2
87 25.7 20.2 30.4
59 11.4 9.1 13.7



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: 825.853 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

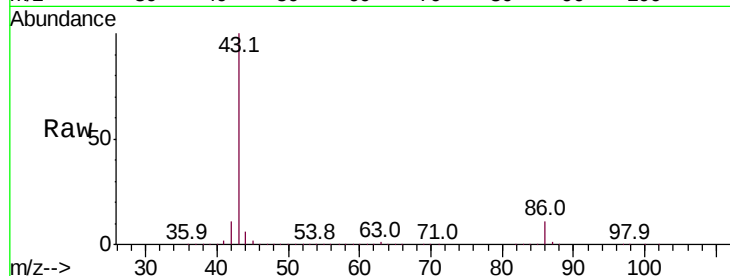
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 7120205

Ion Ratio Lower Upper

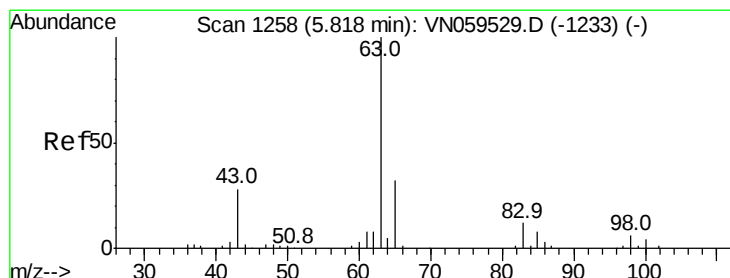
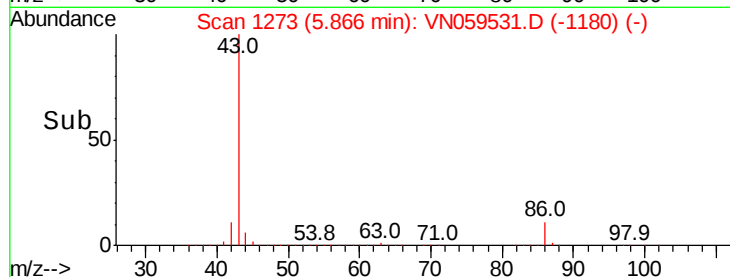
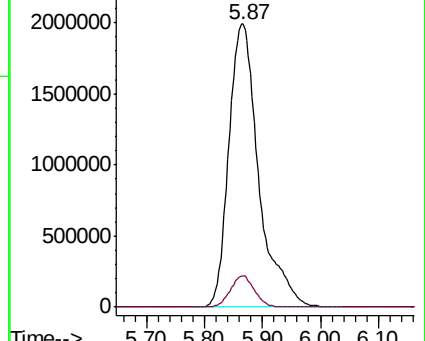
43 100

86 11.1 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 155.838 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

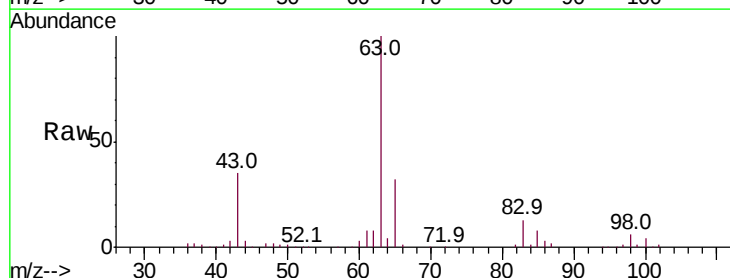
Tgt Ion: 63 Resp: 945311

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

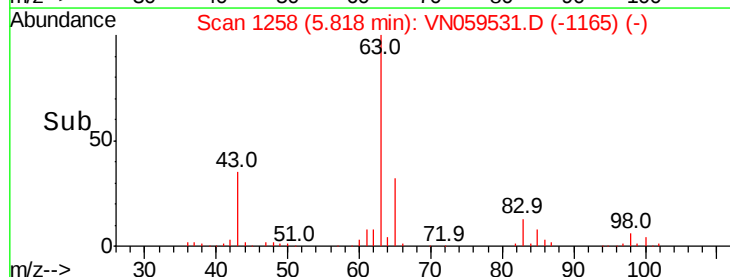
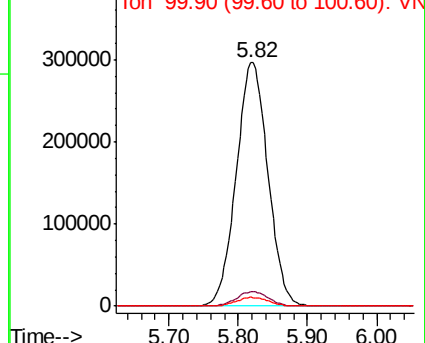
100 3.6 1.8 5.3

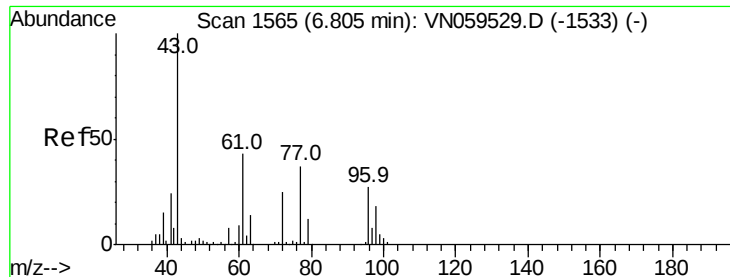


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 769.579 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

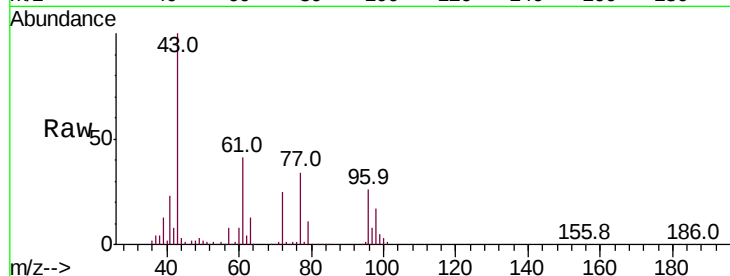
ClientSampled :

Tot Ion: 43 Resp: 2036242

Ion Ratio Lower Upper

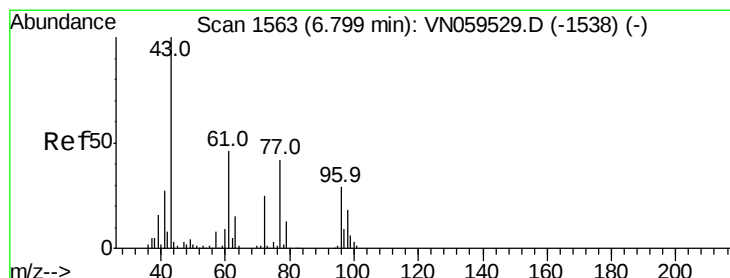
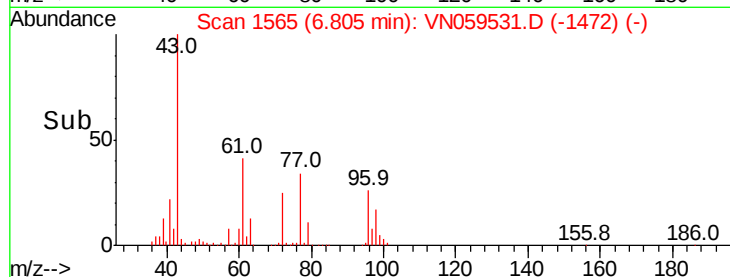
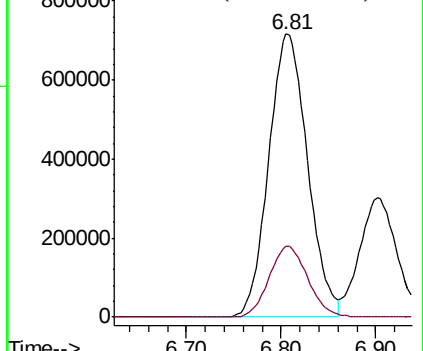
43 100

72 24.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 159.569 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059531.D

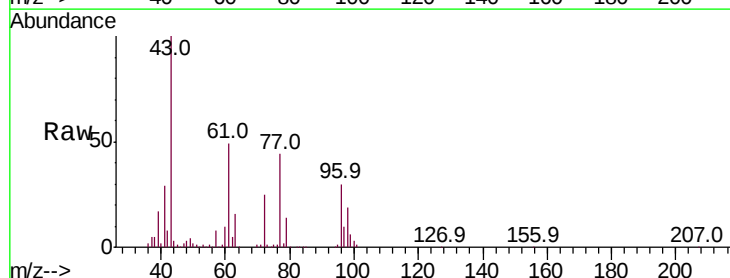
Acq: 9 Dec 2019 16:35

Tgt Ion: 77 Resp: 845192

Ion Ratio Lower Upper

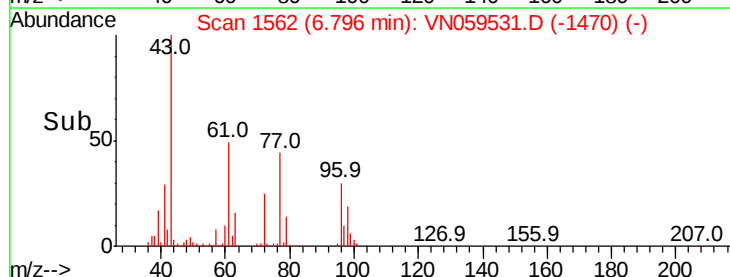
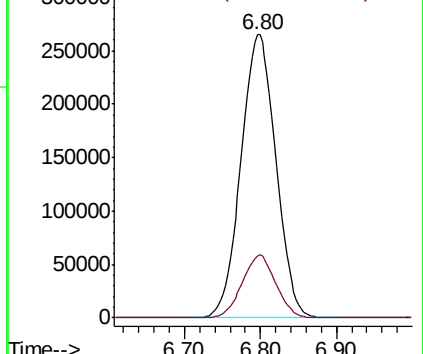
77 100

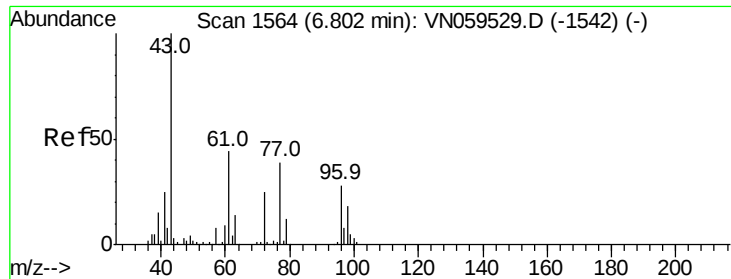
97 21.5 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

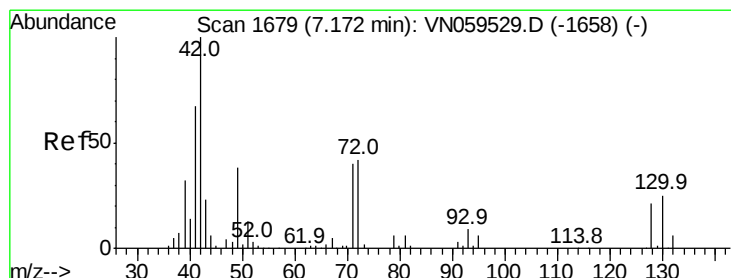
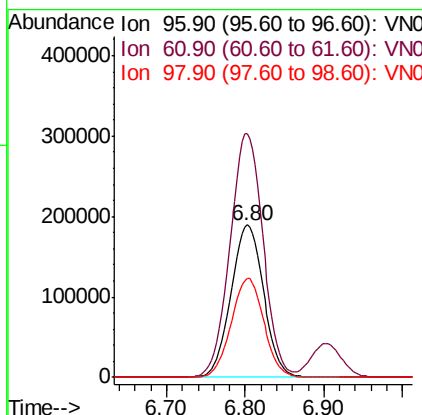
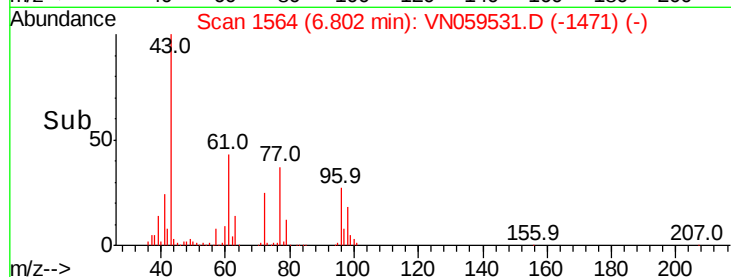
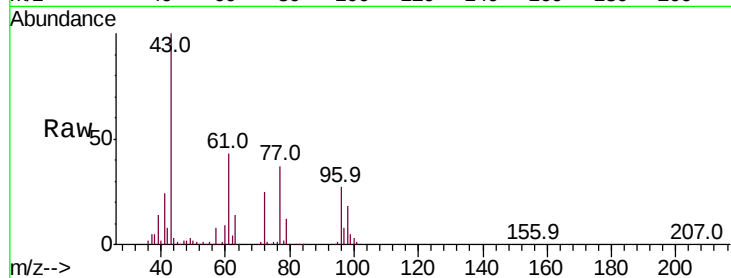




#27
 cis-1,2-Dichloroethene
 Concen: 151.666 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

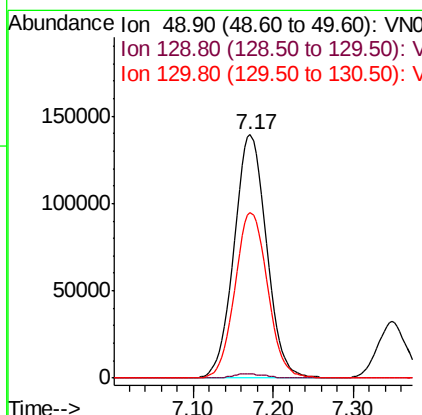
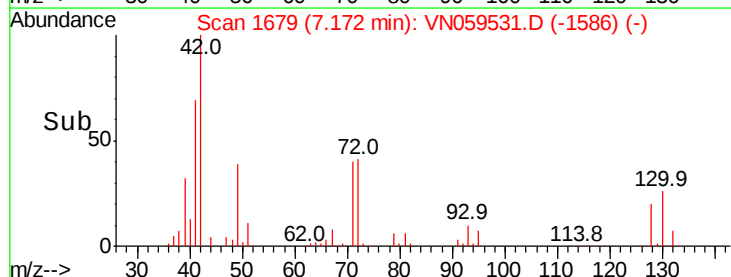
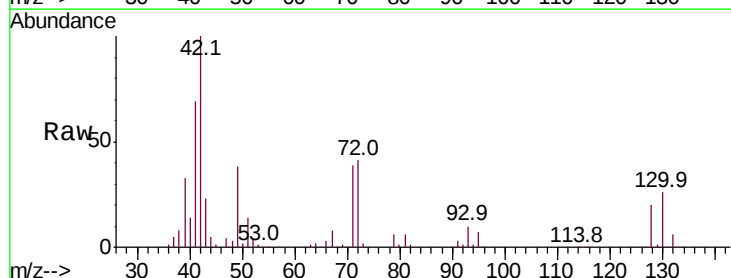
Instrument :
 MSVOA_N
 ClientSampleId :

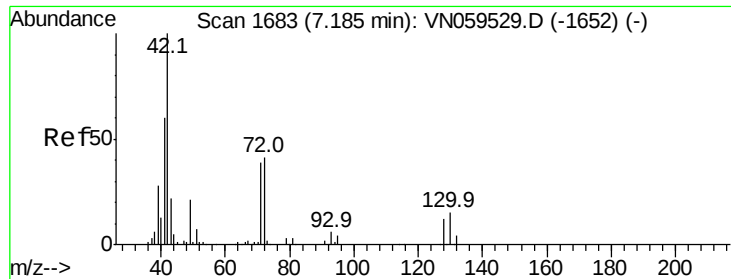
Tot Ion	96	Resp	548511
Ion	Ratio	Lower	Upper
96	100		
61	162.0	0.0	320.0
98	65.0	0.0	128.6



#28
 Bromochloromethane
 Concen: 198.335 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Tgt Ion	49	Resp	383350
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	68.2	54.2	81.2





#29

Tetrahydrofuran

Concen: 808.112 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

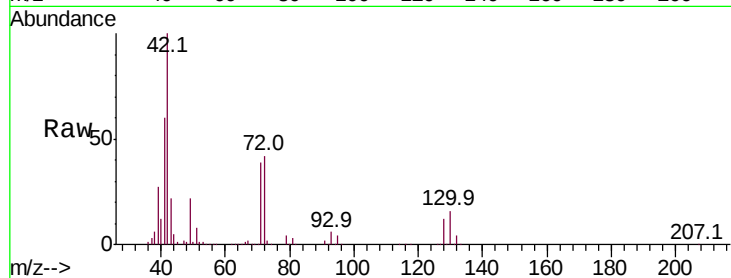
Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1350940

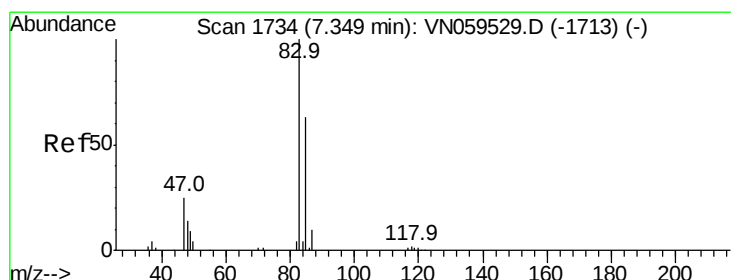
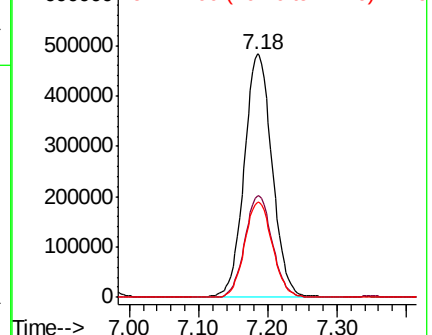
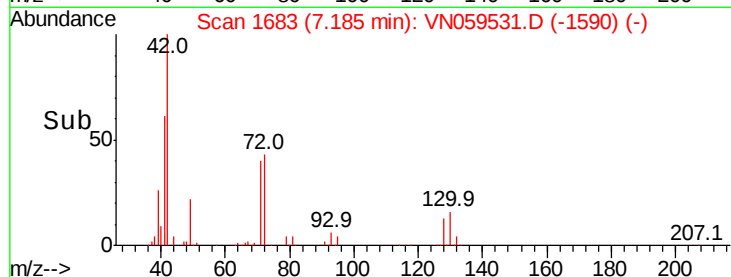
Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.7	49.1
71	39.2	31.4	47.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 161.651 ug/l

RT: 7.35 min Scan# 1734

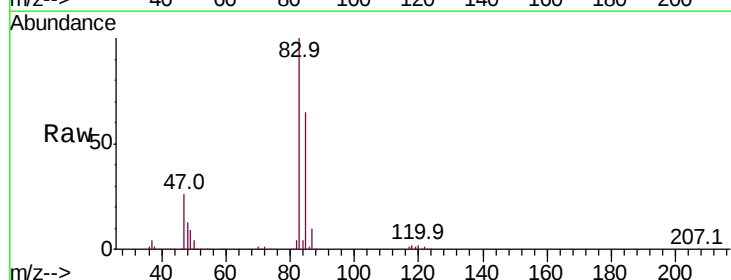
Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

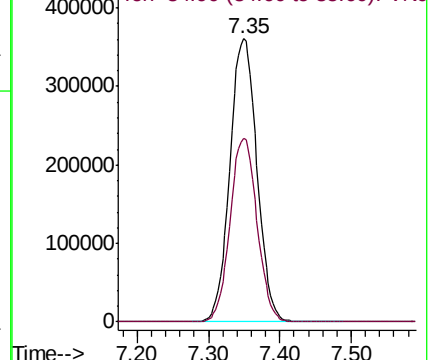
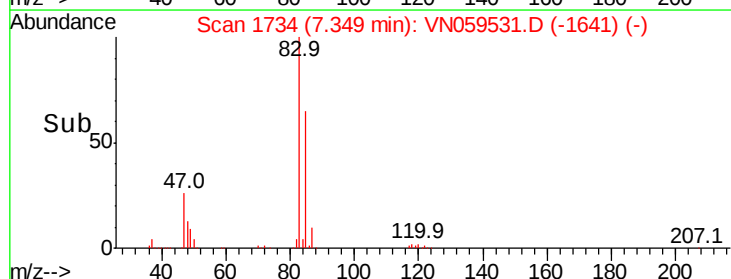
Tgt Ion: 83 Resp: 954122

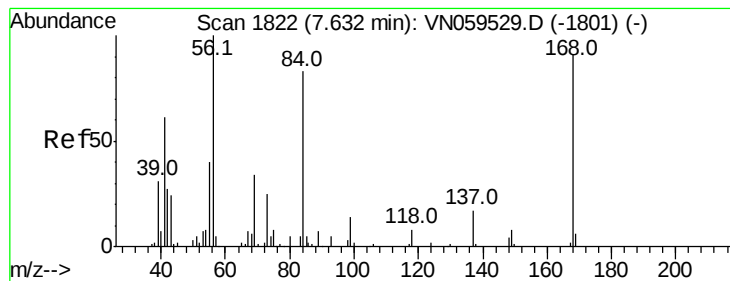
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 150.560 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :
MSVOA_N
ClientSampled :

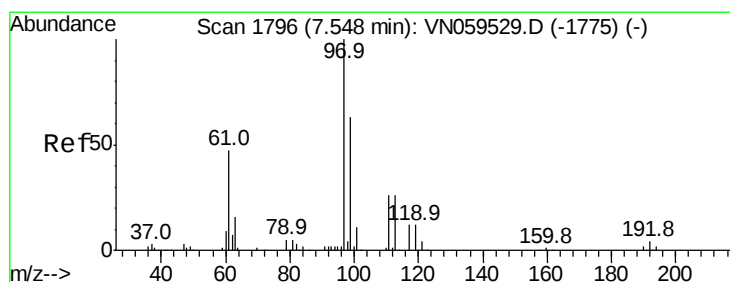
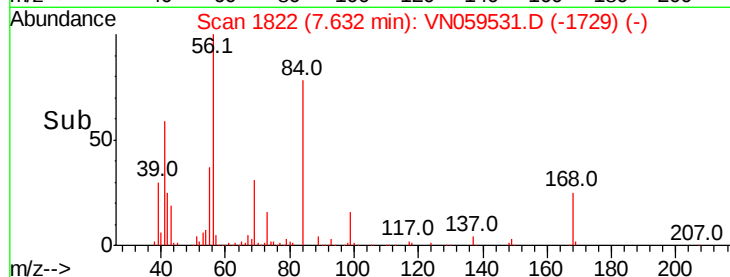
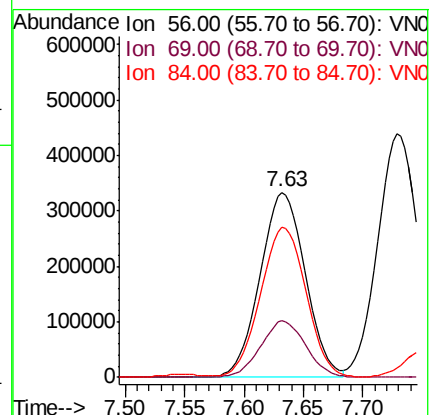
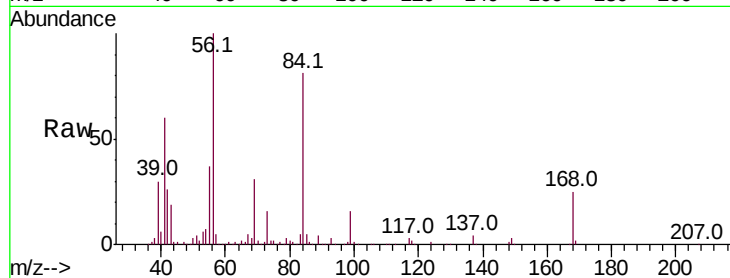
Tot Ion: 56 Resp: 879233

Ion Ratio Lower Upper

56 100

69 30.6 26.9 40.3

84 79.5 66.5 99.7



#32

1,1,1-Trichloroethane

Concen: 161.119 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

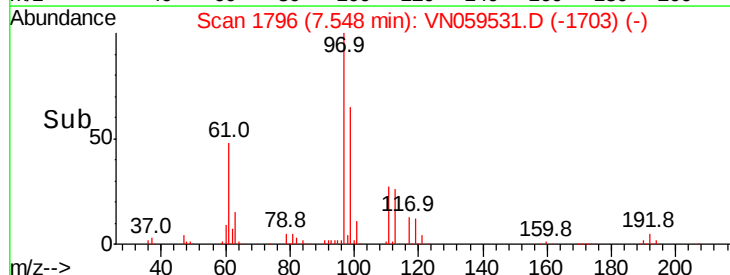
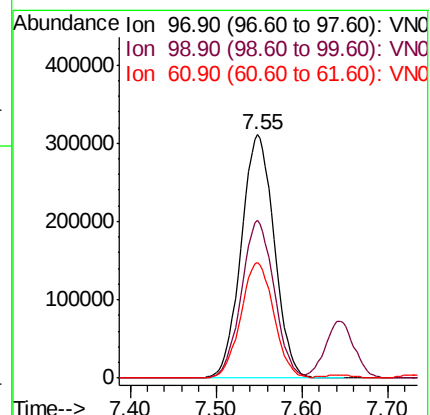
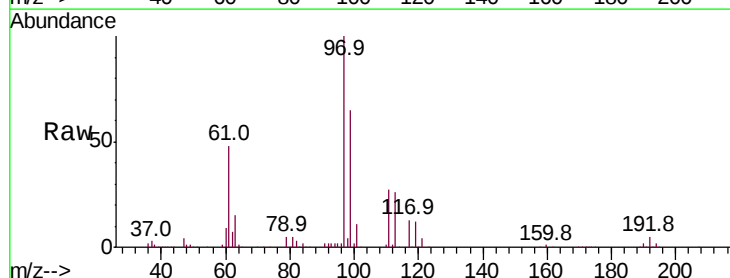
Tgt Ion: 97 Resp: 829252

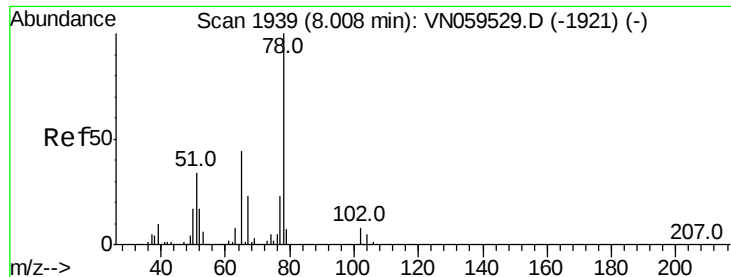
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 47.5 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 172.759 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

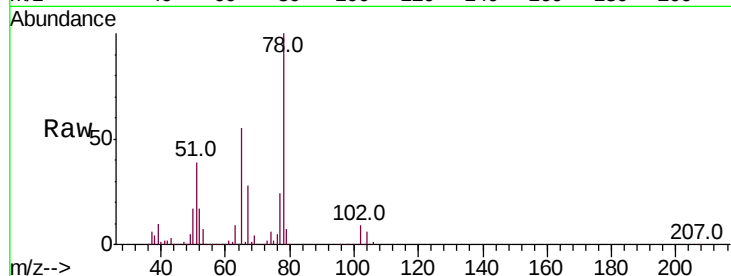
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 614851

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN059531.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN059531.D (-1846) (-)

8.00

250000

200000

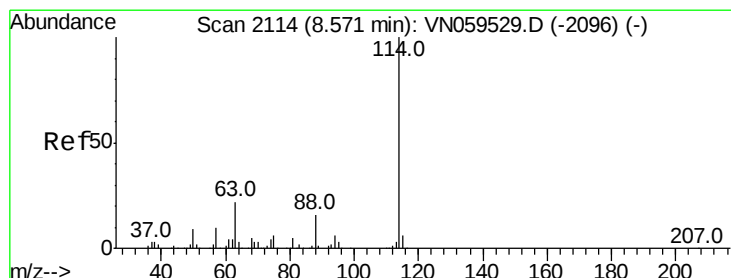
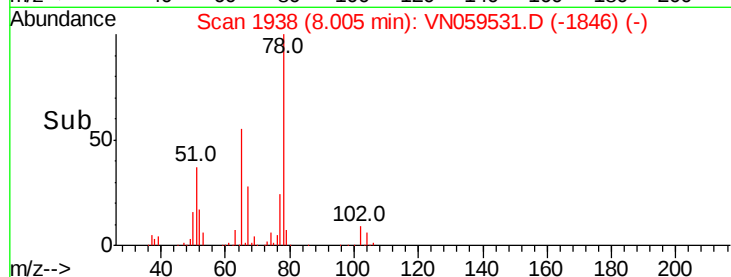
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

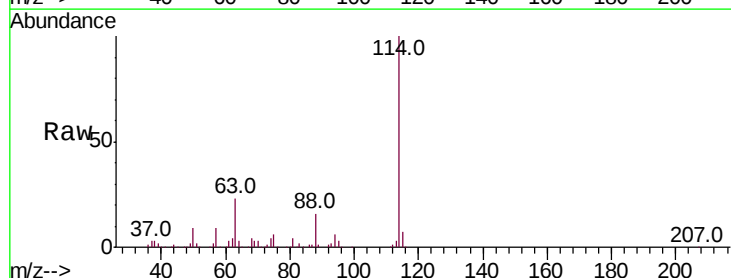
Tgt Ion: 114 Resp: 462122

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

88 16.4 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059531.D (-2021) (-)

Ion 63.00 (62.70 to 63.70): VN059531.D (-2021) (-)

Ion 87.90 (87.60 to 88.60): VN059531.D (-2021) (-)

8.57

250000

200000

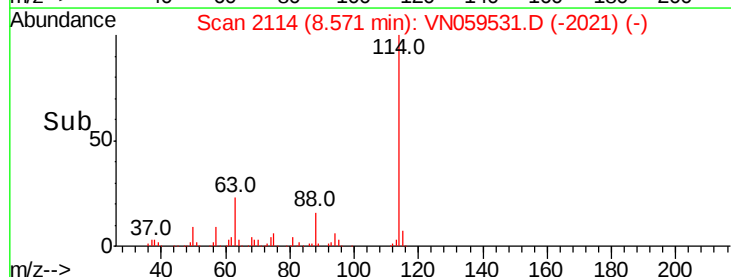
150000

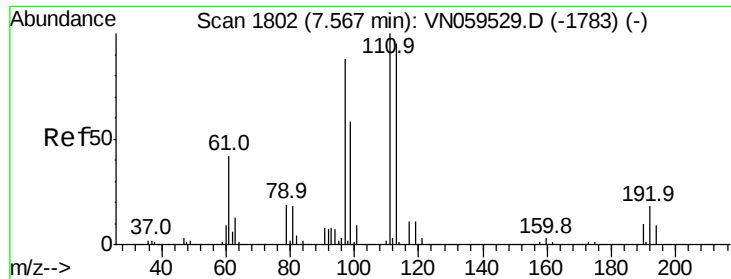
100000

50000

0

Time--> 8.50 8.60 8.70

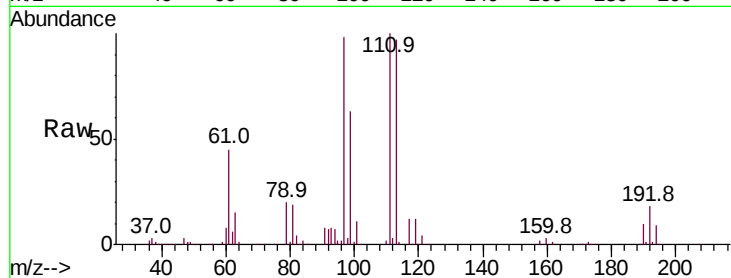




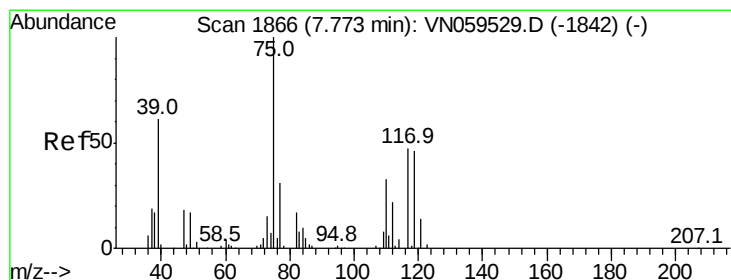
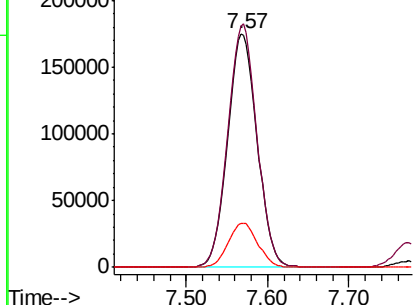
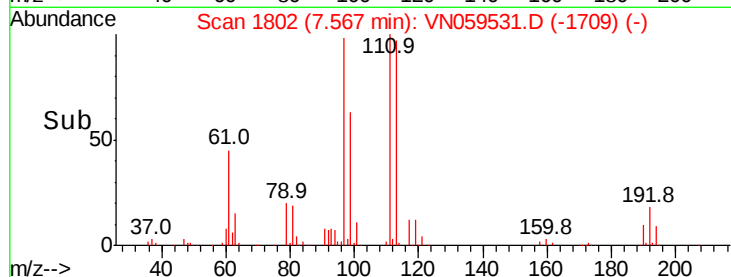
#35
 Dibromofluoromethane
 Concen: 157.744 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 443172
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 19.0 14.8 22.2

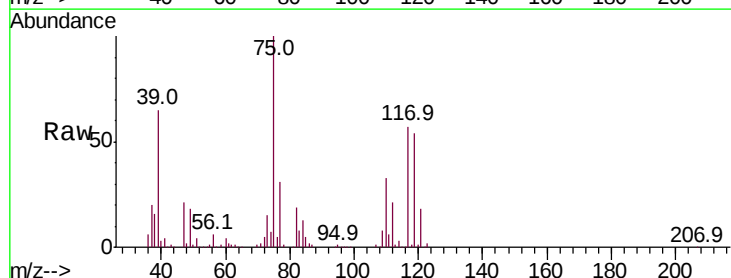


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

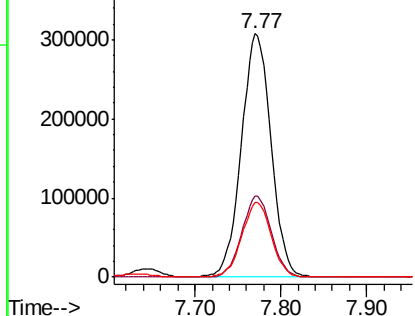
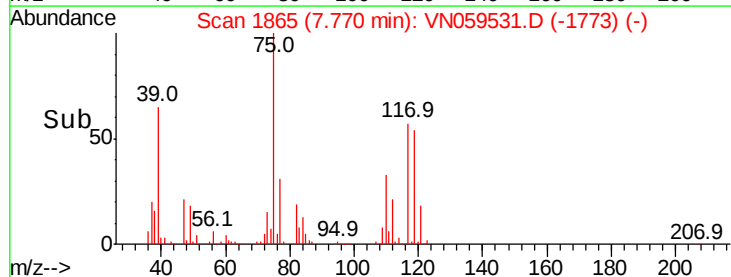


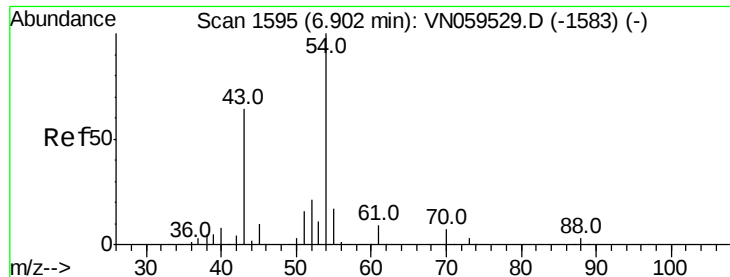
#36
 1,1-Dichloropropene
 Concen: 156.377 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Tgt Ion: 75 Resp: 736507
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.7 50.0
 77 30.7 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

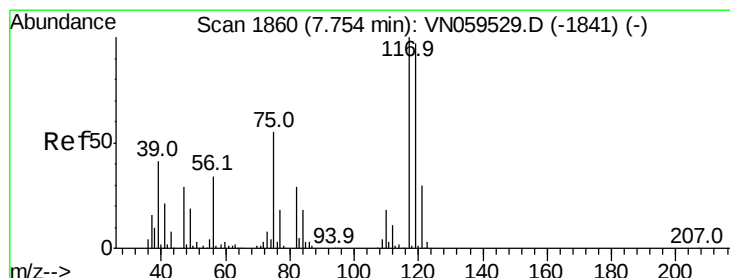
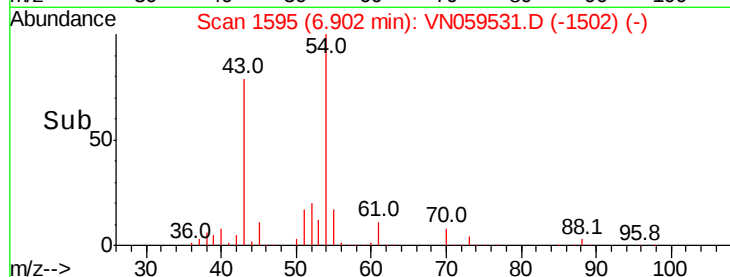
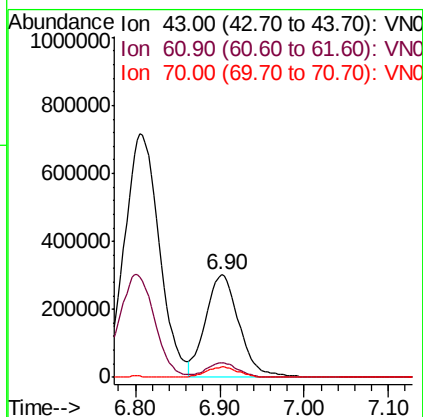
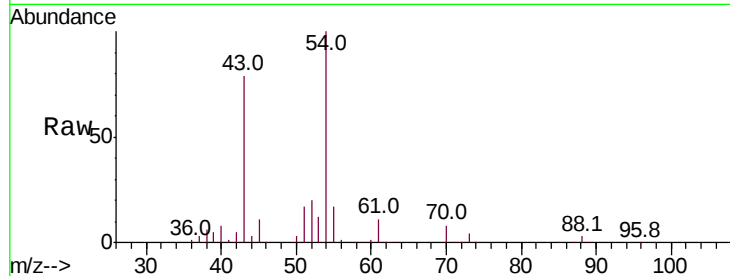




#37
Ethyl Acetate
Concen: 158.655 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

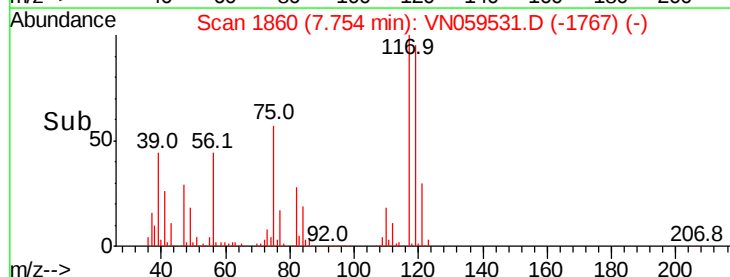
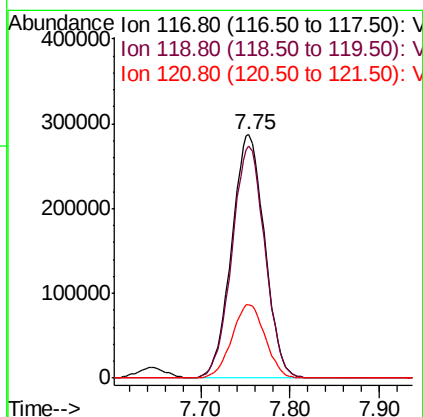
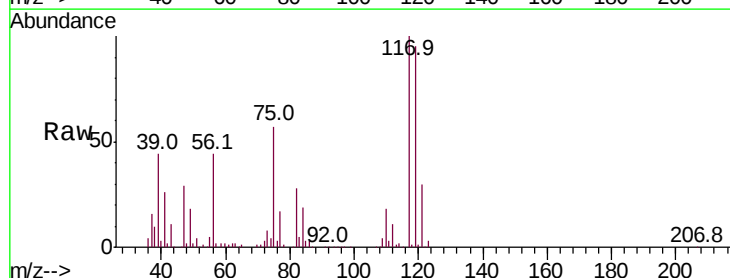
Instrument :
MSVOA_N
ClientSampleId :

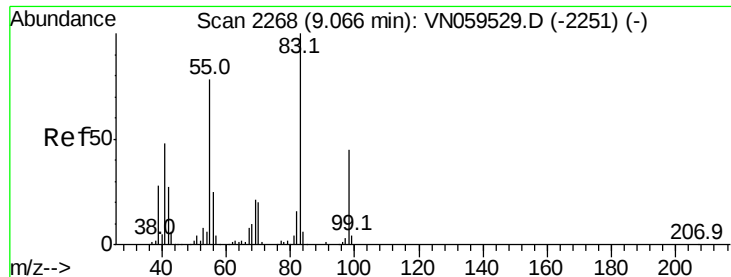
Tot Ion: 43 Resp: 834915
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.6
70 9.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 161.410 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion: 117 Resp: 734602
Ion Ratio Lower Upper
117 100
119 95.1 77.0 115.4
121 30.4 24.1 36.1

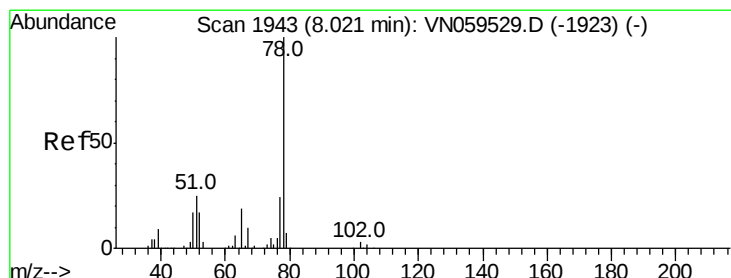
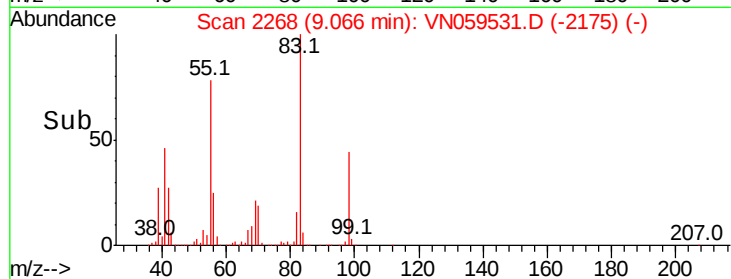
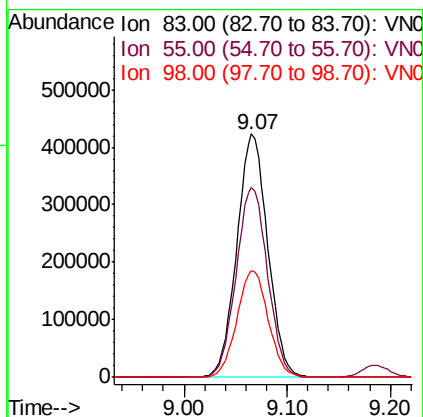
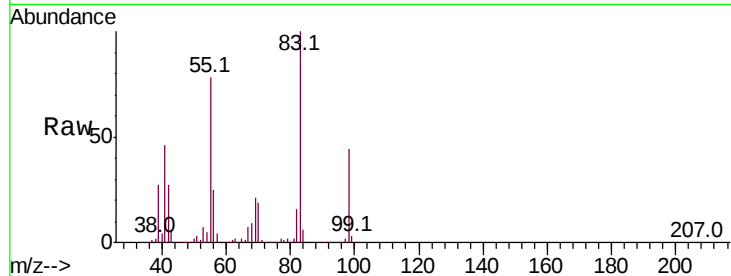




#39
Methvlcvclohexane
Concen: 156.583 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

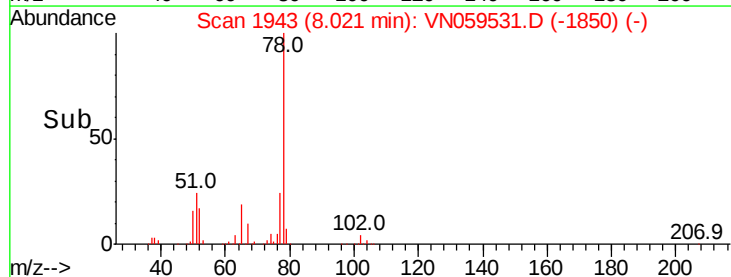
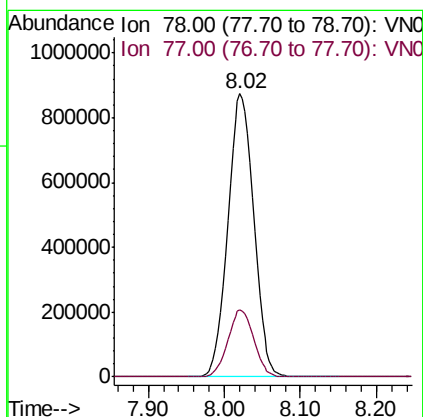
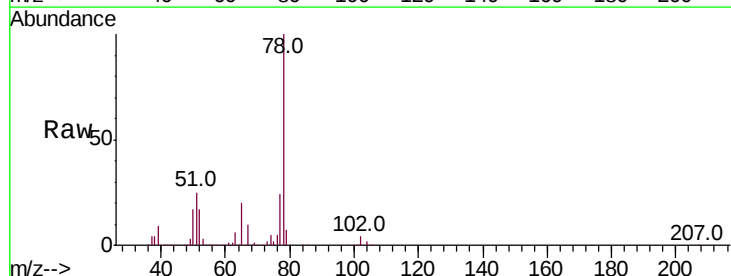
Instrument :
MSVOA_N
ClientSampled :

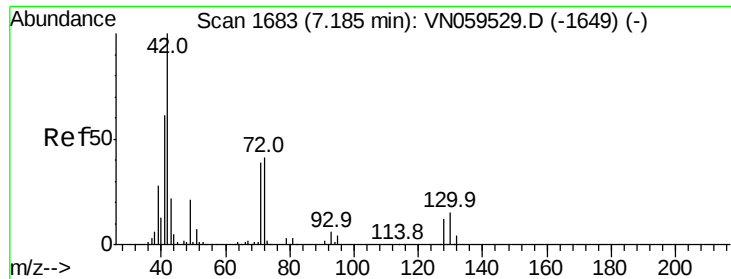
Tot Ion: 83 Resp: 880363
Ion Ratio Lower Upper
83 100
55 78.1 62.7 94.1
98 43.9 35.7 53.5



#40
Benzene
Concen: 150.594 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion: 78 Resp: 2068028
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



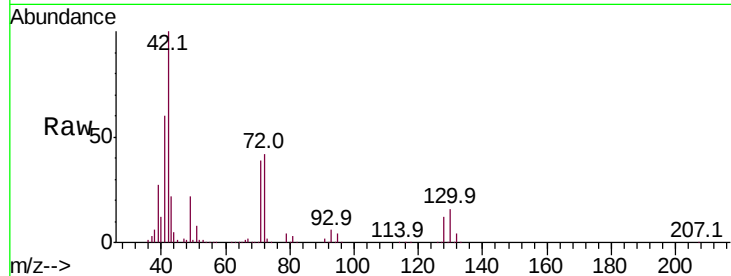


#41
Methacrylonitrile
Concen: 565.040 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

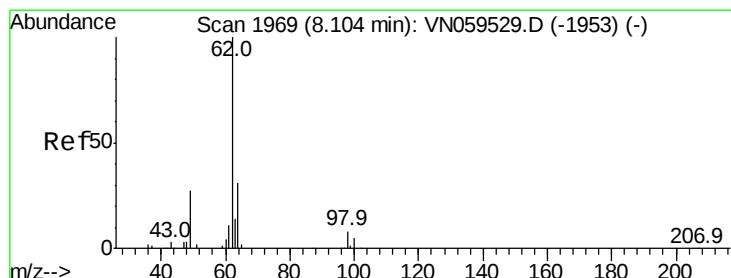
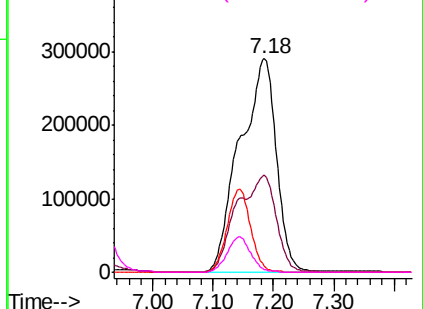
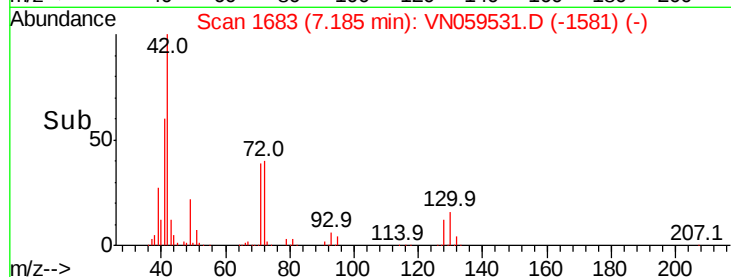
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 1226361

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



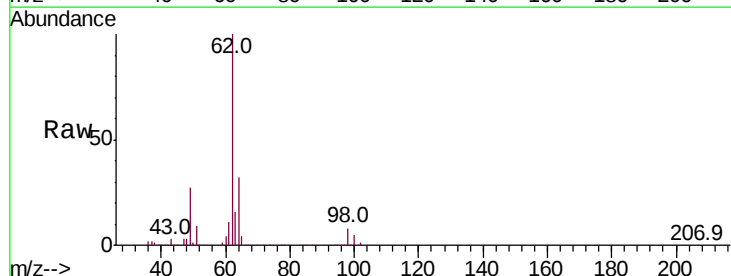
Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



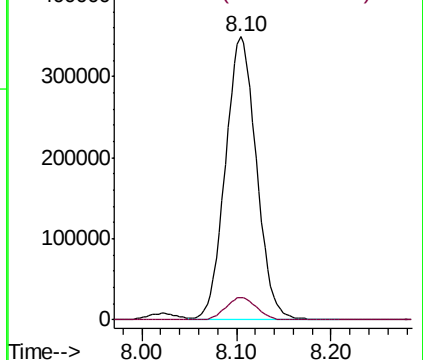
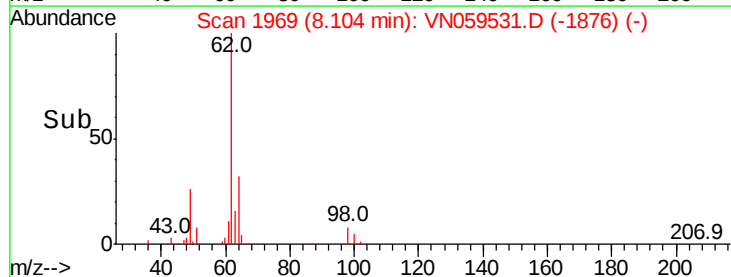
#42
1,2-Dichloroethane
Concen: 166.809 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

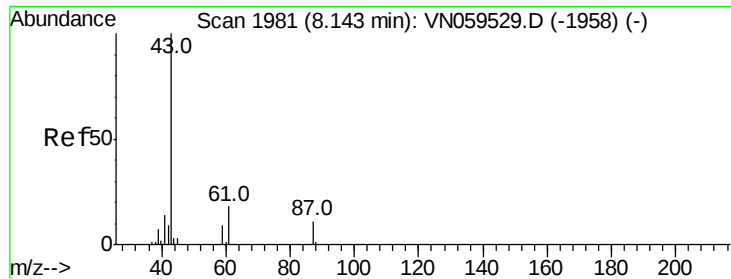
Tgt Ion: 62 Resp: 795489

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

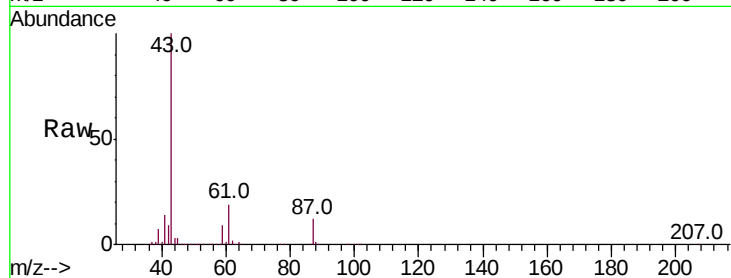




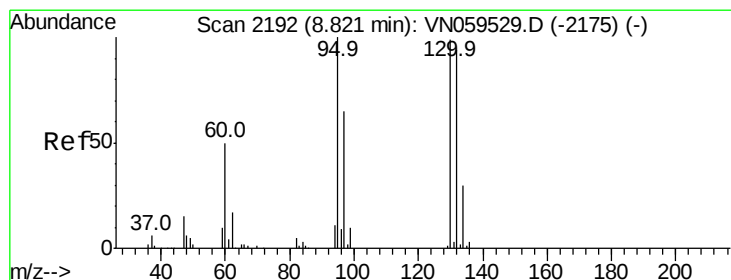
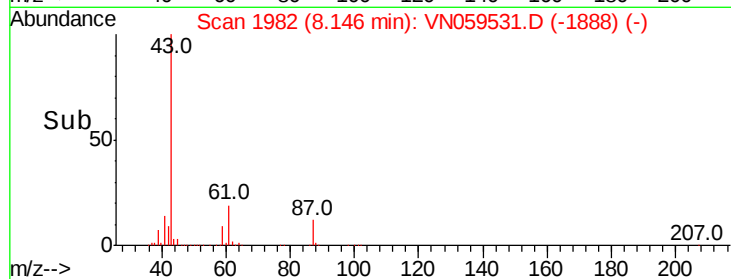
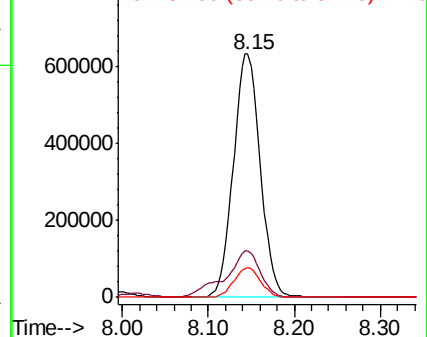
#43
Isopropyl Acetate
Concen: 173.489 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1366120
Ion Ratio Lower Upper
43 100
61 24.9 19.8 29.6
87 12.1 9.4 14.2

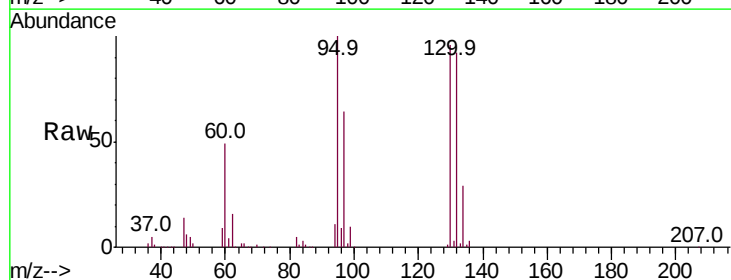


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

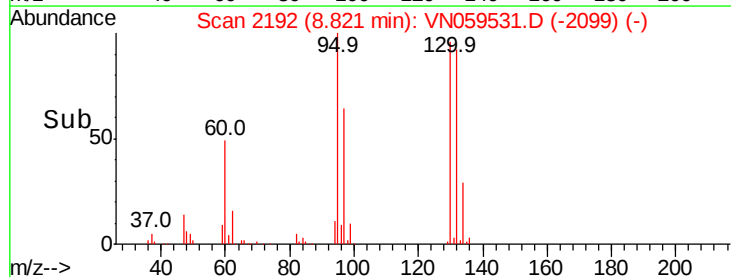
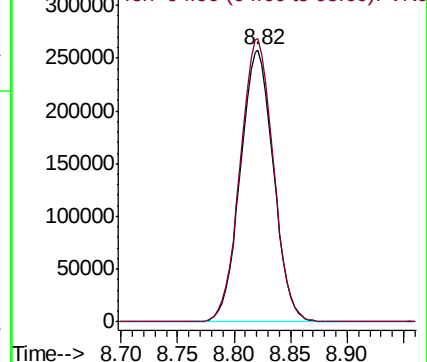


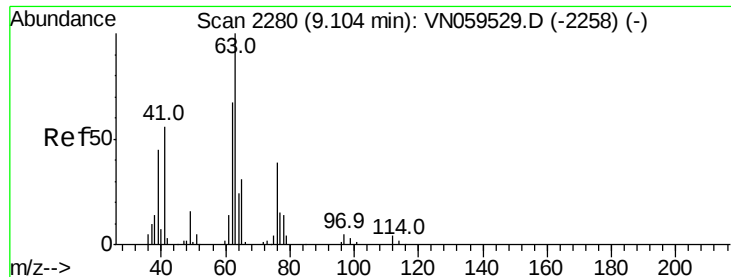
#44
Trichloroethene
Concen: 146.635 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion:130 Resp: 525169
Ion Ratio Lower Upper
130 100
95 104.0 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 153.561 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

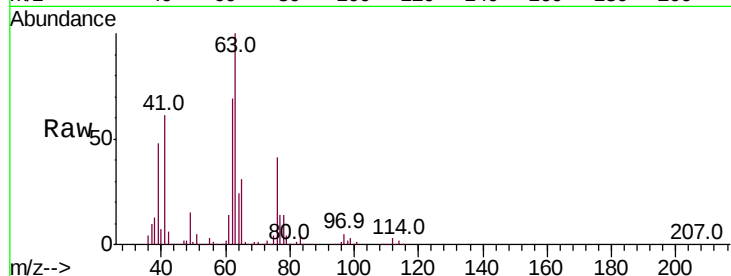
ClientSampled :

Tot Ion: 63 Resp: 564347

Ion Ratio Lower Upper

63 100

65 31.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.10

250000

200000

150000

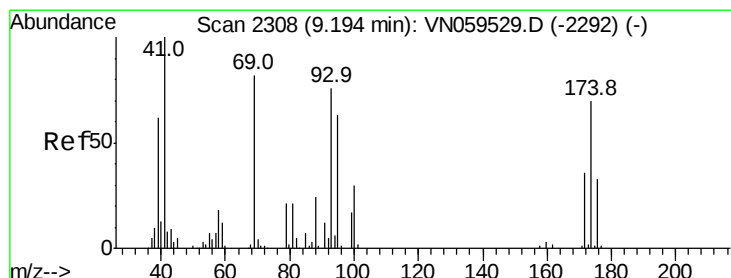
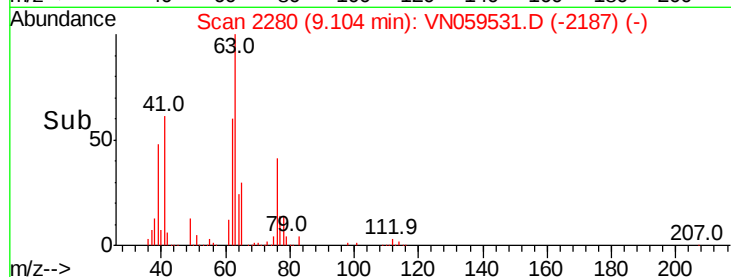
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 160.278 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

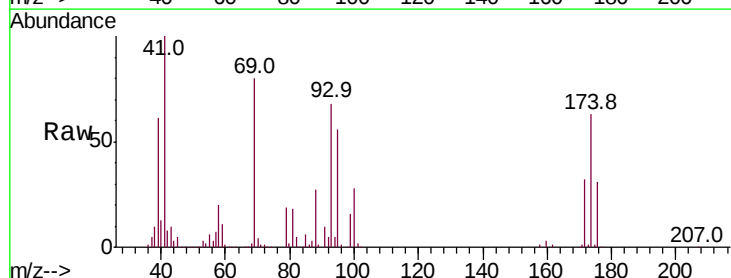
Tgt Ion: 93 Resp: 368699

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.6

174 92.3 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

250000

200000

150000

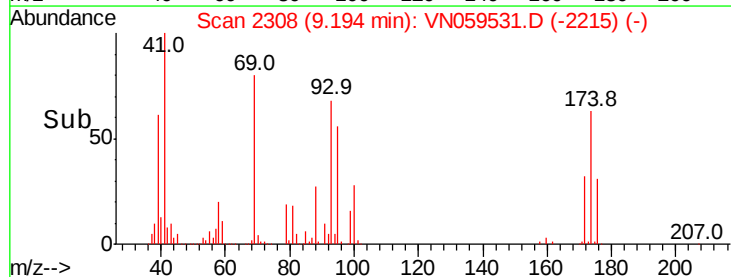
100000

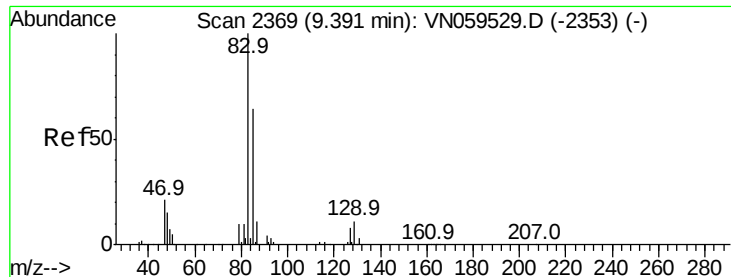
50000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 164.636 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :
MSVOA_N
ClientSampled :

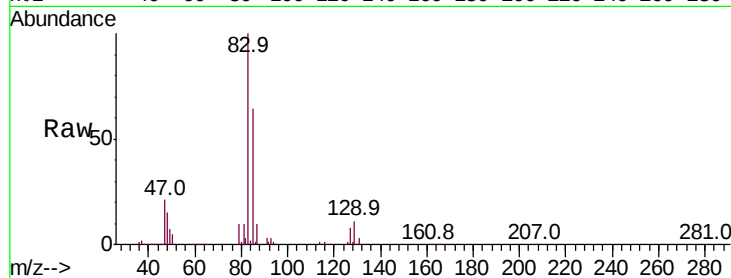
Tot Ion: 83 Resp: 762075

Ion Ratio Lower Upper

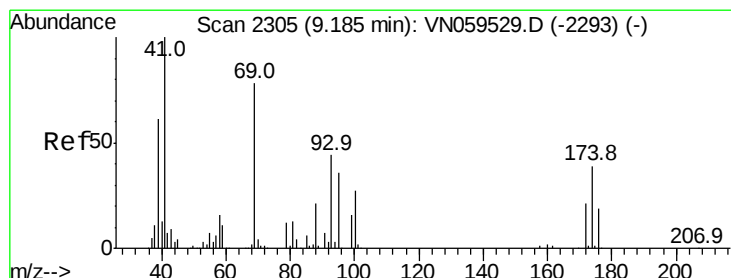
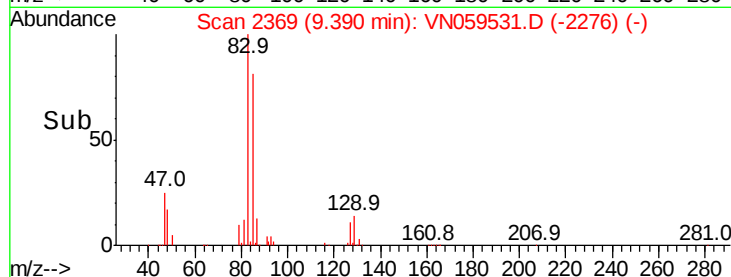
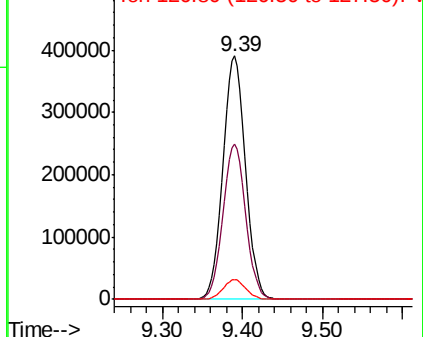
83 100

85 64.0 51.4 77.0

127 8.2 6.7 10.1



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



#48

Methyl methacrylate

Concen: 178.170 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

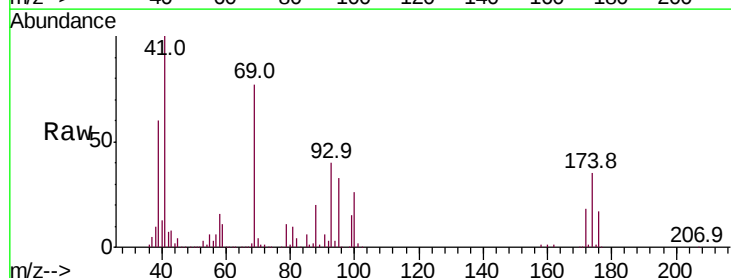
Tgt Ion: 41 Resp: 631830

Ion Ratio Lower Upper

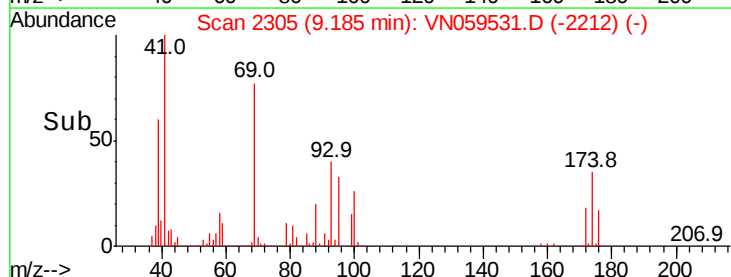
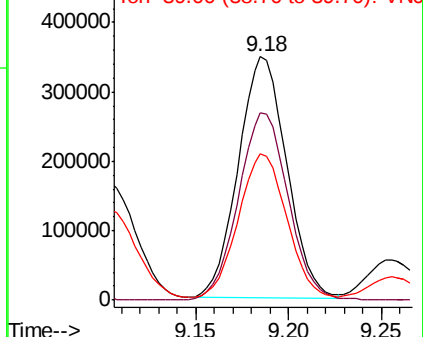
41 100

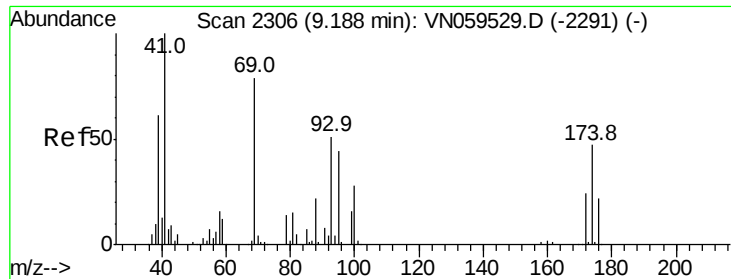
69 79.9 64.0 96.0

39 61.6 50.0 75.0



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





#49

1,4-Dioxane

Concen: 3168.209 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :
MSVOA_N
ClientSampled :

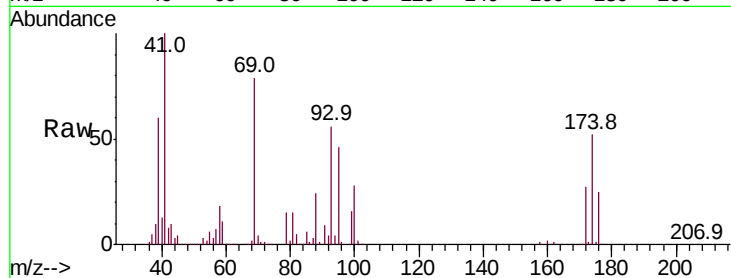
Tot Ion: 88 Resp: 165494

Ion Ratio Lower Upper

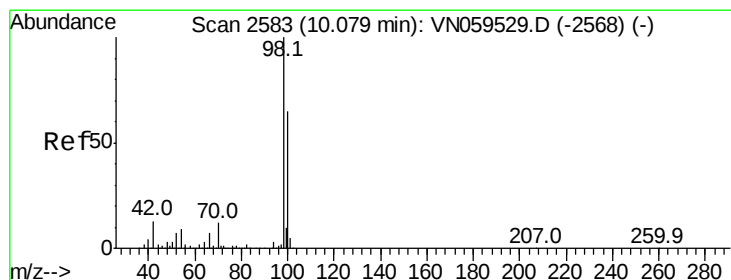
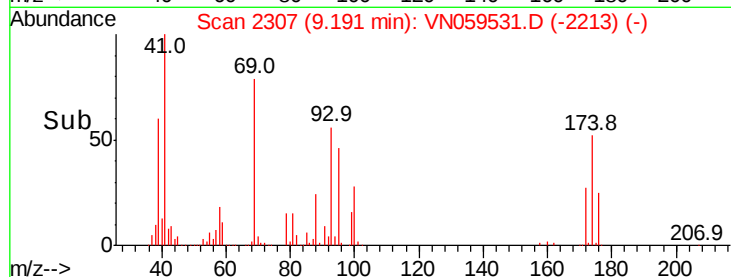
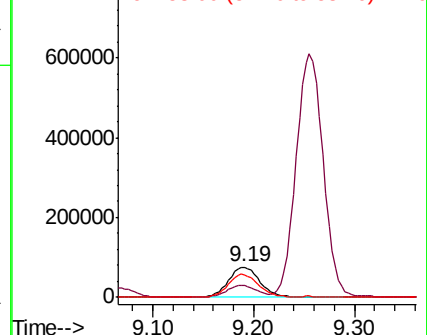
88 100

43 38.0 31.4 47.0

58 74.4 61.0 91.6



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: 156.204 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059531.D

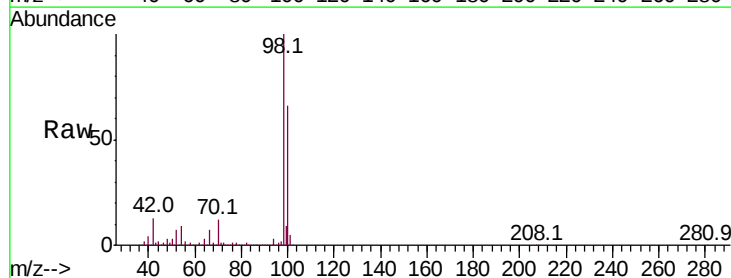
Acq: 9 Dec 2019 16:35

Tgt Ion: 98 Resp: 1718052

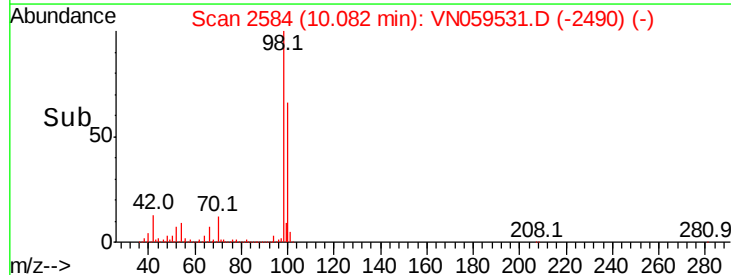
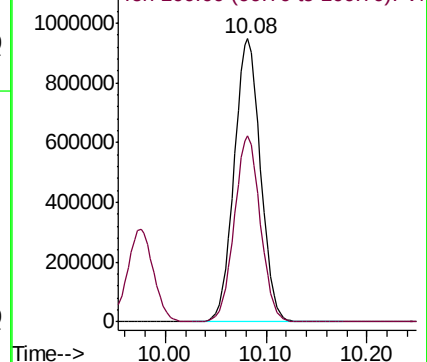
Ion Ratio Lower Upper

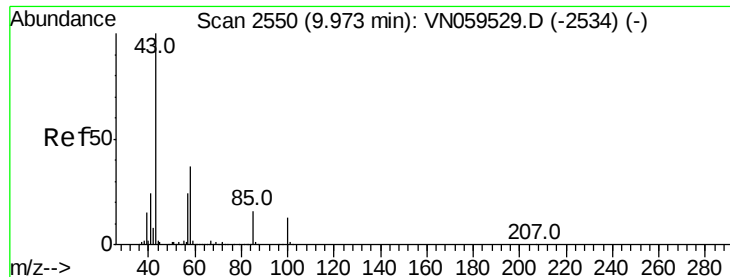
98 100

100 65.0 51.8 77.8



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: 807.677 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

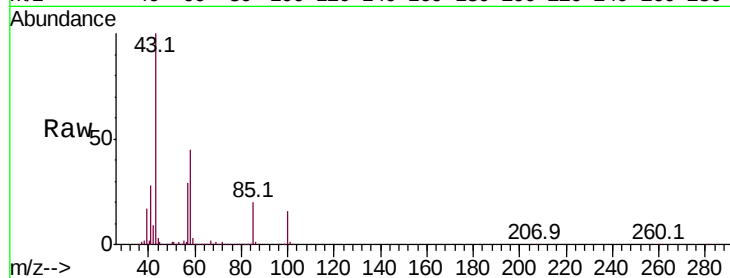
ClientSampled :

Tot Ion: 43 Resp: 3767333

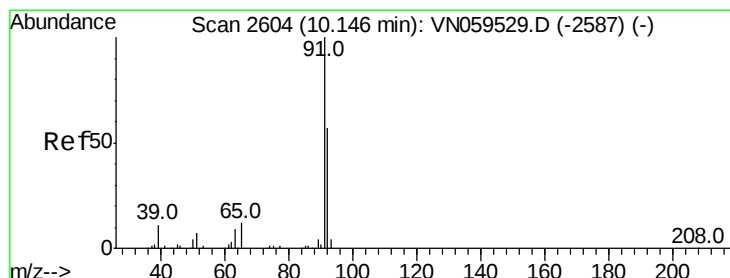
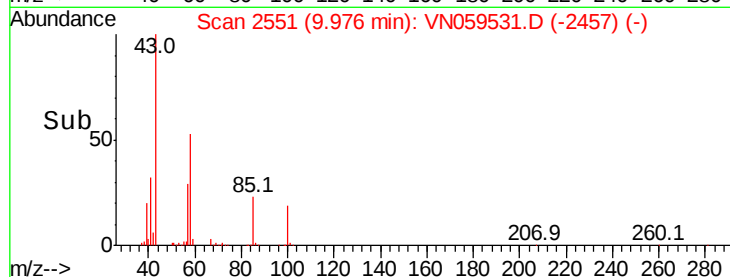
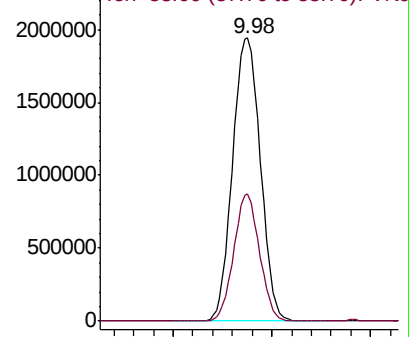
Ion Ratio Lower Upper

43 100

58 41.6 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-2534) (-)



#52

Toluene

Concen: 156.166 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059531.D

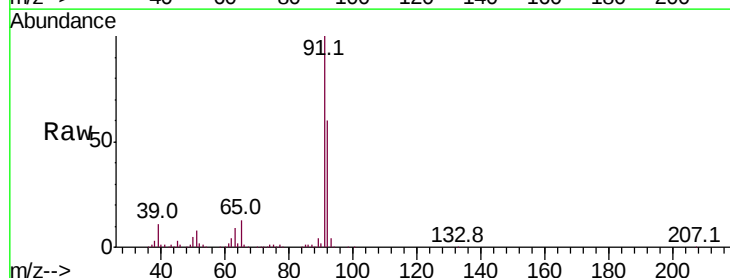
Acq: 9 Dec 2019 16:35

Tgt Ion: 92 Resp: 1293818

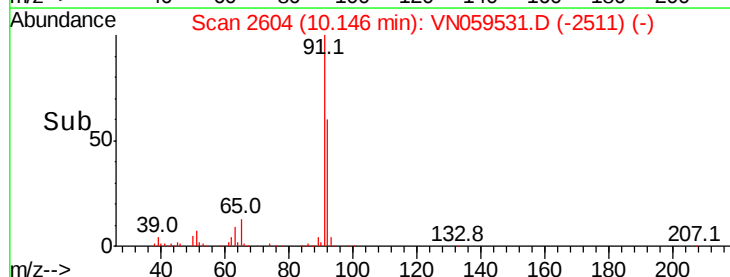
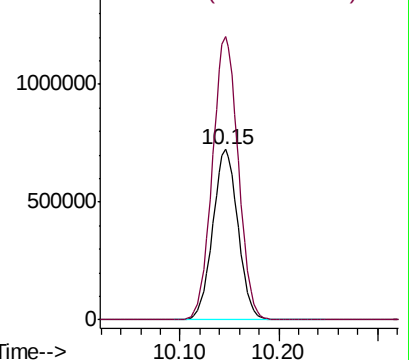
Ion Ratio Lower Upper

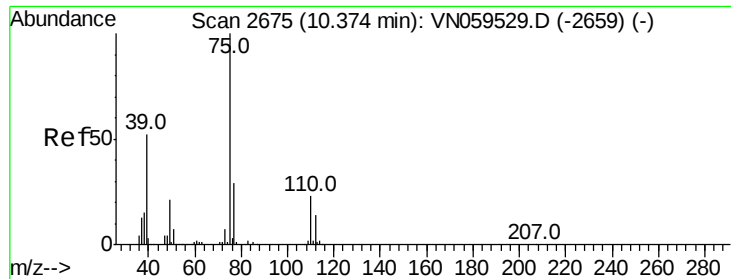
92 100

91 170.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN059529.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 167.081 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

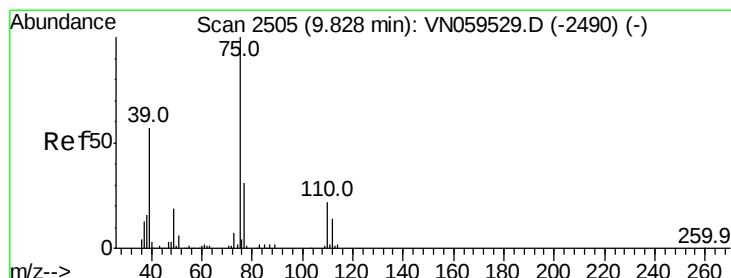
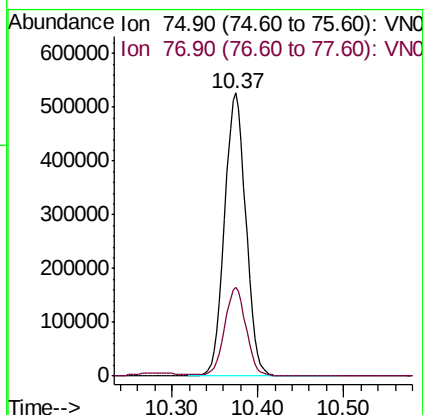
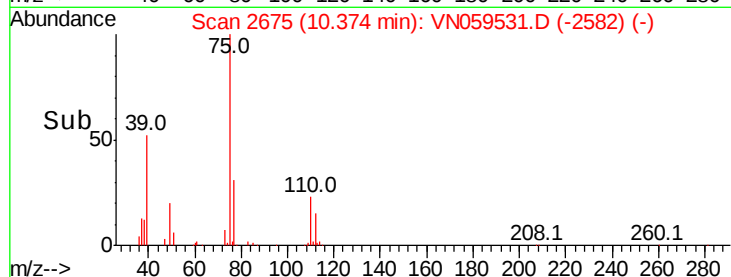
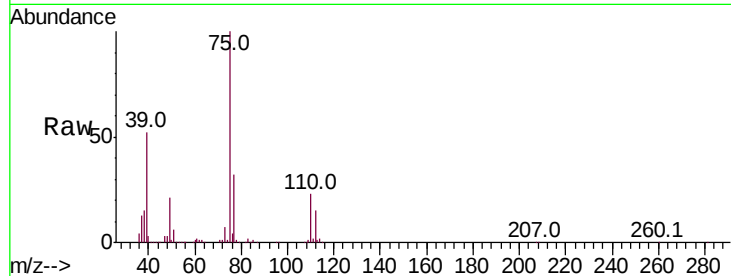
ClientSampleId :

Tot Ion: 75 Resp: 906969

Ion Ratio Lower Upper

75 100

77 31.4 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 162.071 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

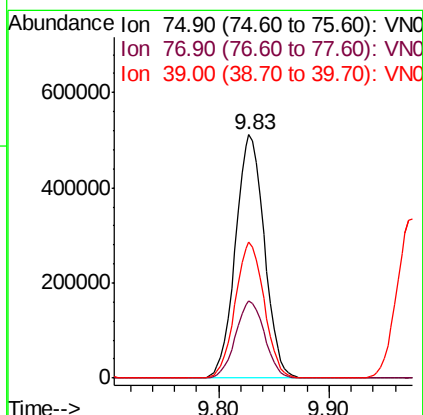
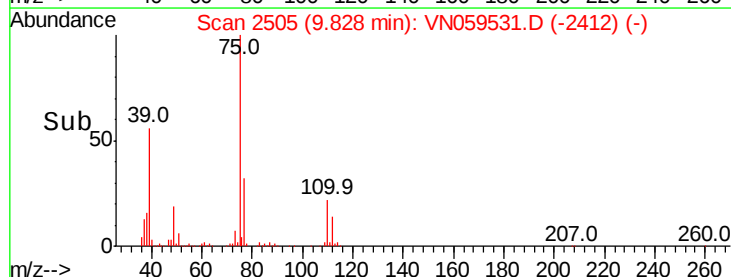
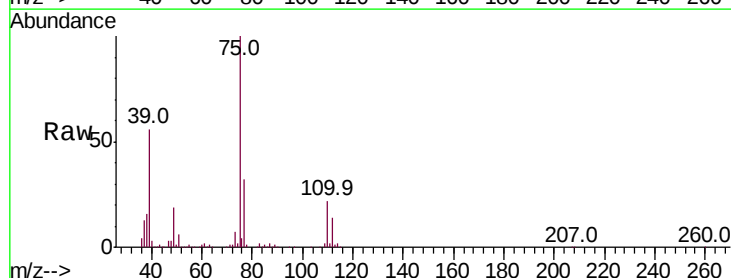
Tgt Ion: 75 Resp: 928157

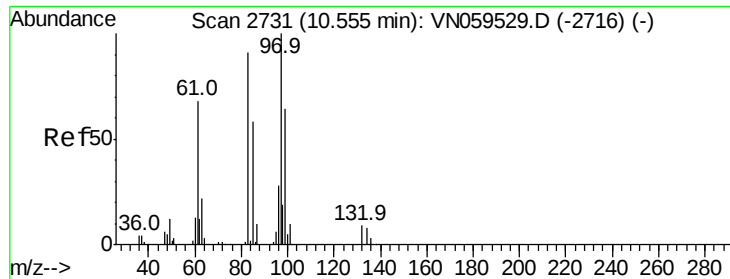
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 55.6 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 155.786 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 509626

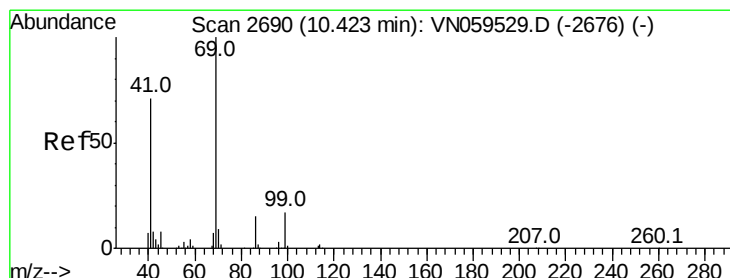
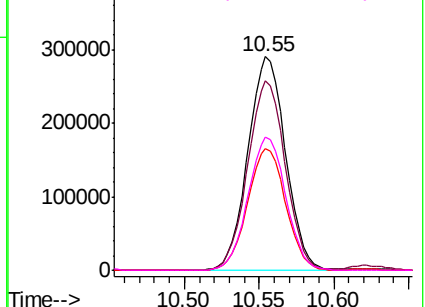
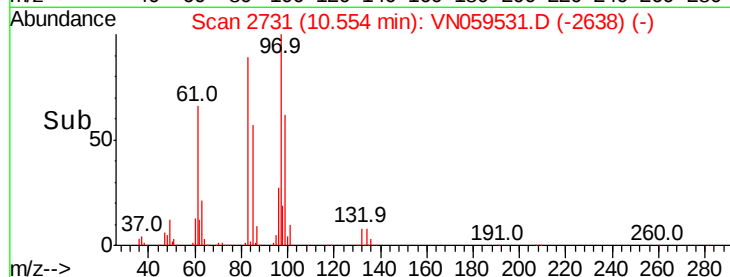
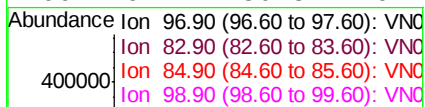
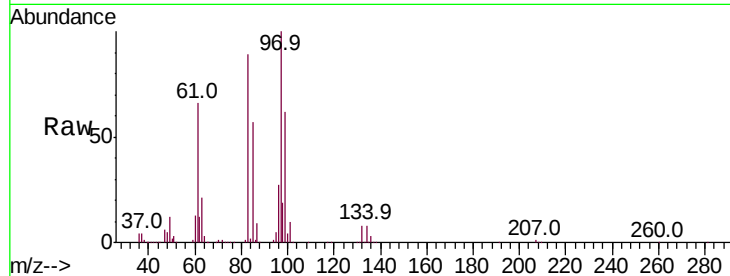
Ion	Ratio	Lower	Upper
97	100		
83	88.7	72.9	109.3
85	57.1	46.1	69.1
99	62.2	50.8	76.2

97 100

83 88.7 72.9 109.3

85 57.1 46.1 69.1

99 62.2 50.8 76.2



#56

Ethyl methacrylate

Concen: 181.103 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

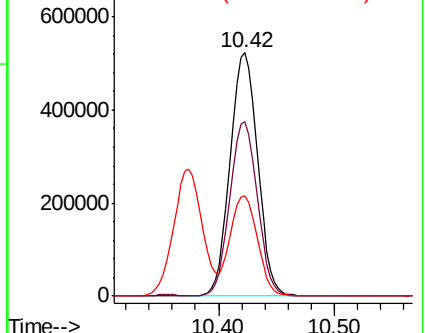
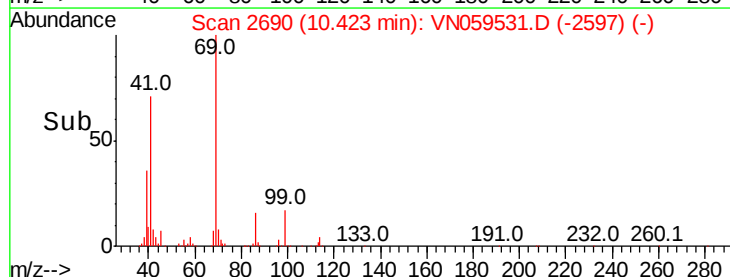
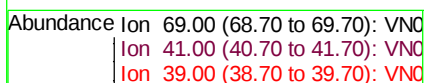
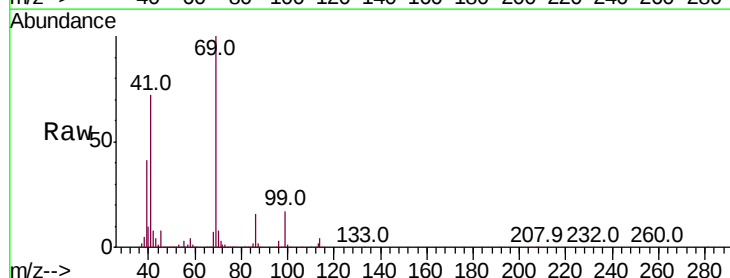
Tgt Ion: 69 Resp: 858308

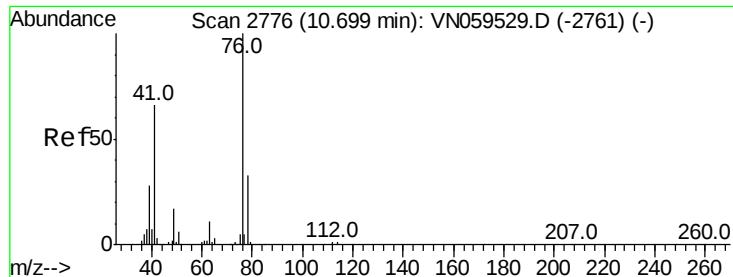
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.7	86.5
39	40.7	34.2	51.2

69 100

41 71.7 57.7 86.5

39 40.7 34.2 51.2





#57

1,3-Dichloropropane

Concen: 157.889 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

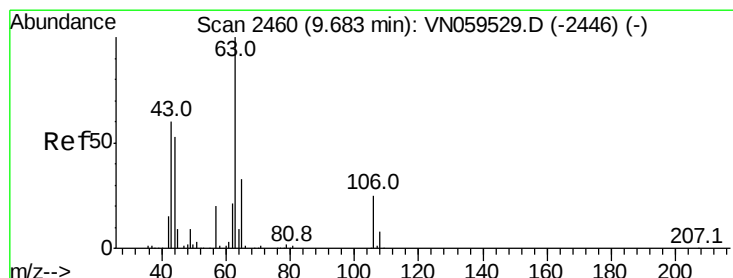
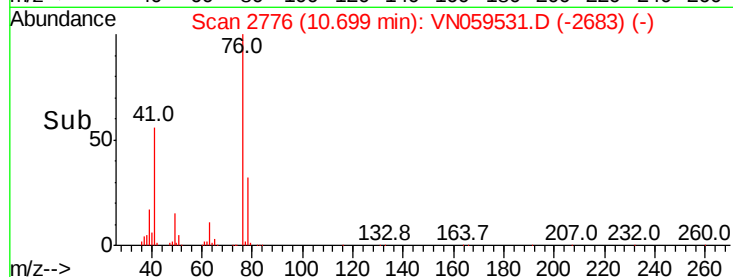
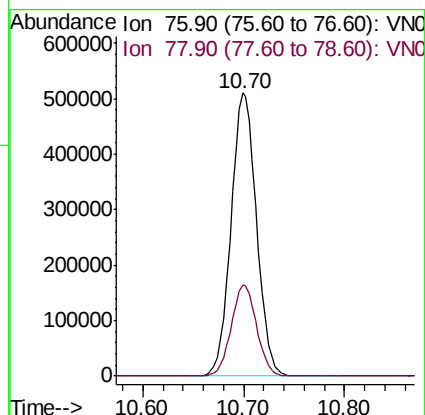
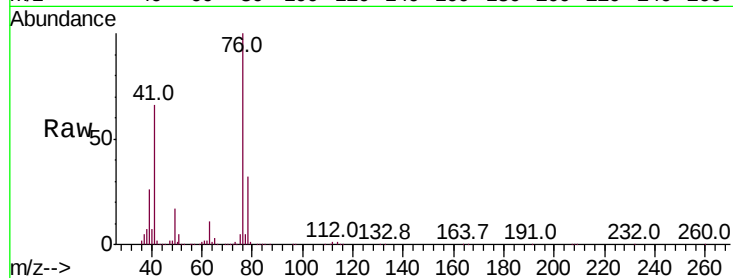
ClientSampleId :

Tot Ion: 76 Resp: 896815

Ion Ratio Lower Upper

76 100

78 32.1 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 854.998 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059531.D

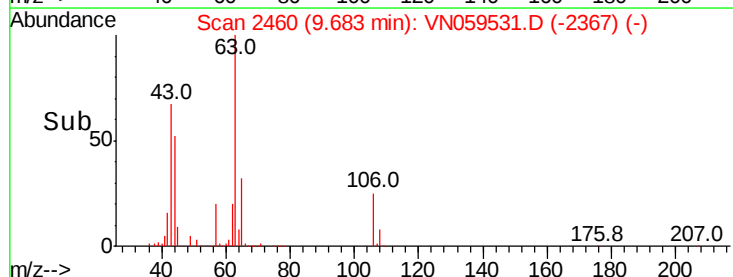
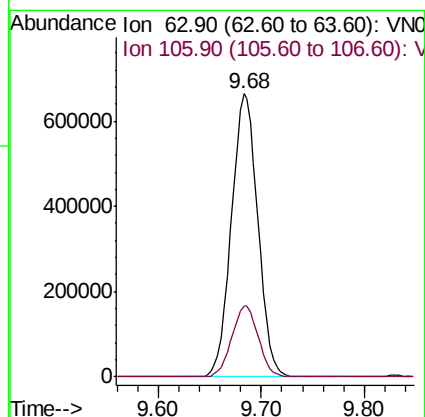
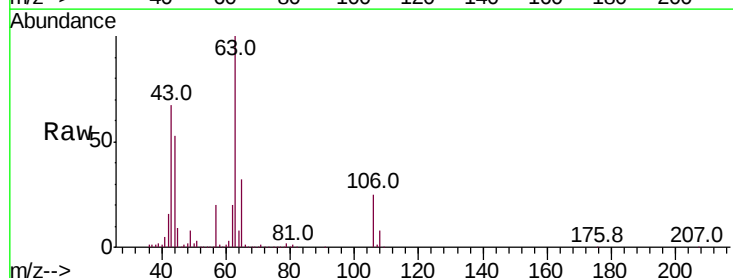
Acq: 9 Dec 2019 16:35

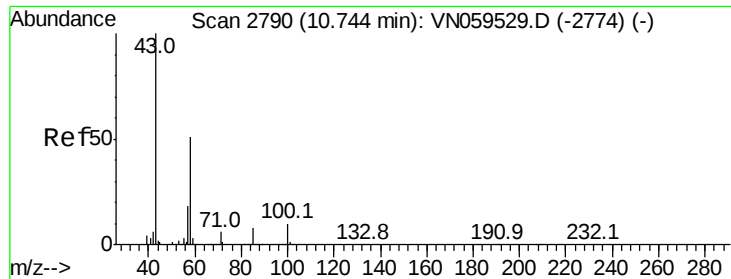
Tgt Ion: 63 Resp: 1183924

Ion Ratio Lower Upper

63 100

106 25.0 19.9 29.9

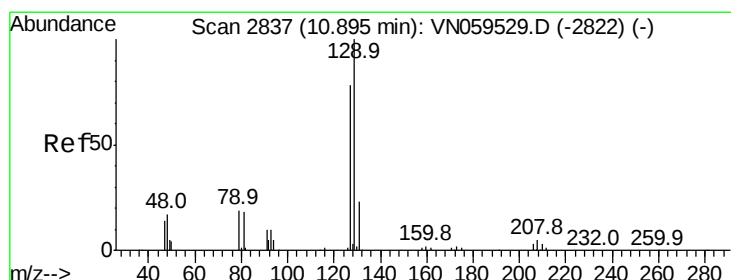
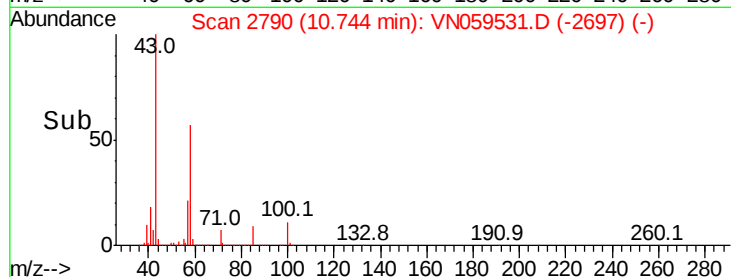
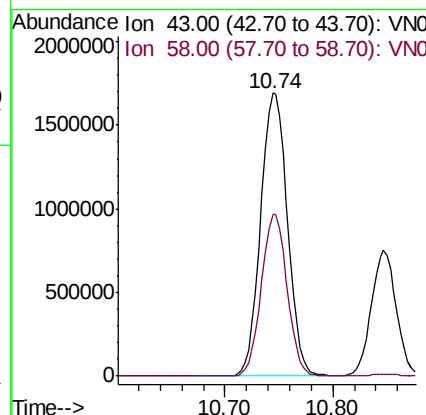
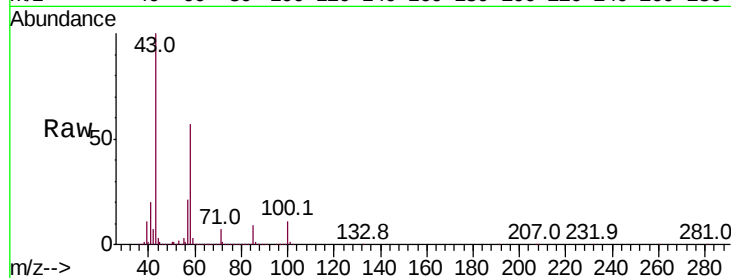




#59
2-Hexanone
Concen: 830.223 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

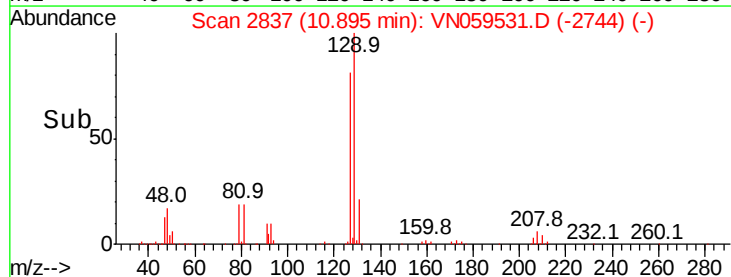
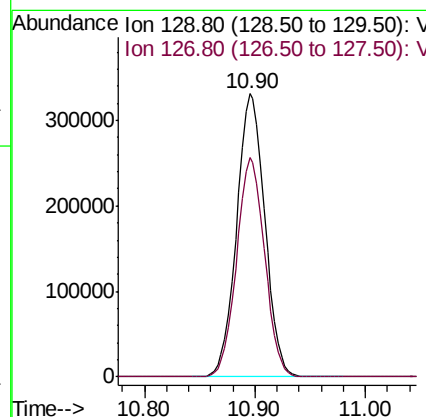
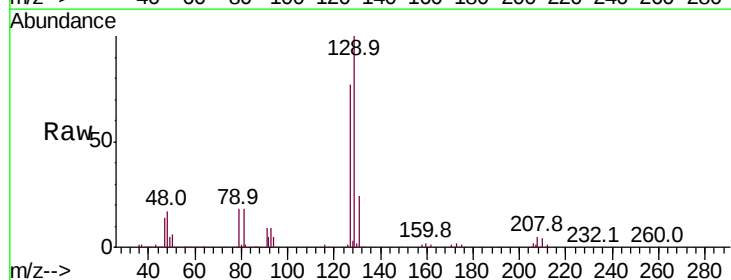
Instrument :
MSVOA_N
ClientSampleId :

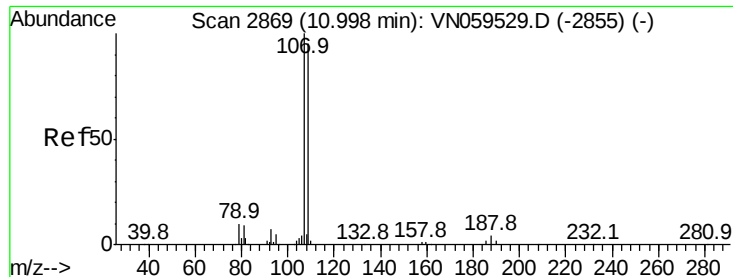
Tot Ion: 43 Resp: 2914416
Ion Ratio Lower Upper
43 100
58 55.0 25.9 77.6



#60
Dibromochloromethane
Concen: 166.495 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion: 129 Resp: 585245
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6

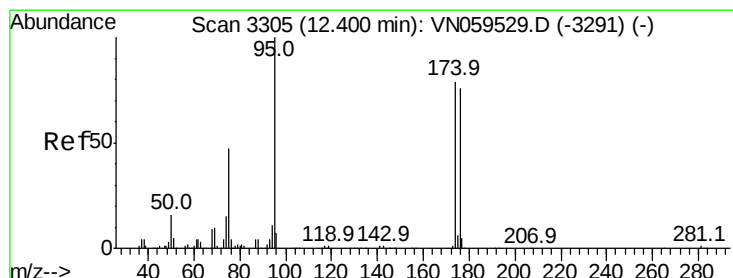
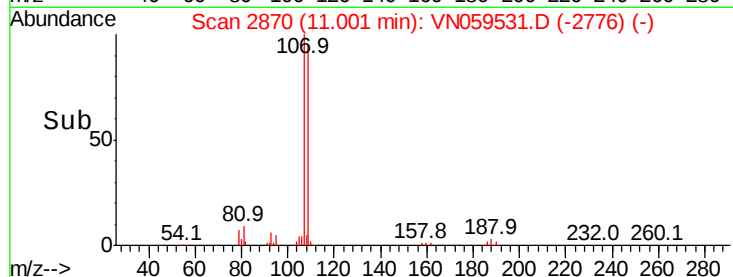
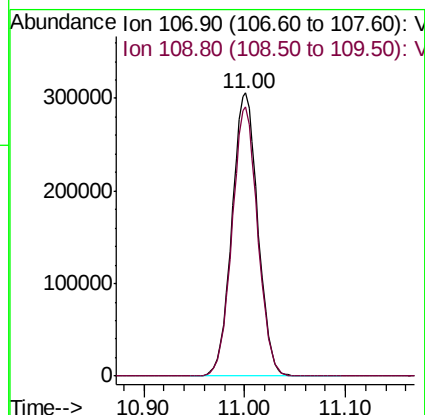
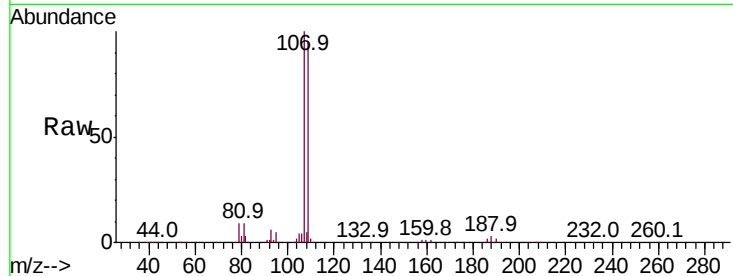




#61
 1,2-Dibromoethane
 Concen: 161.143 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

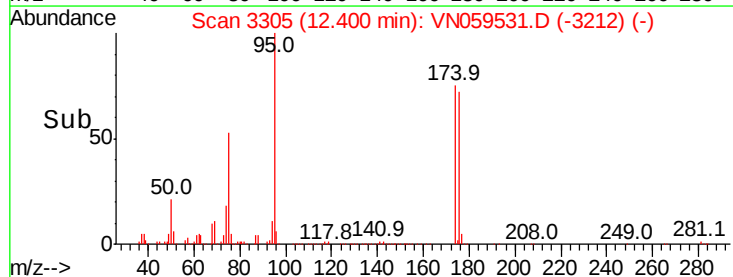
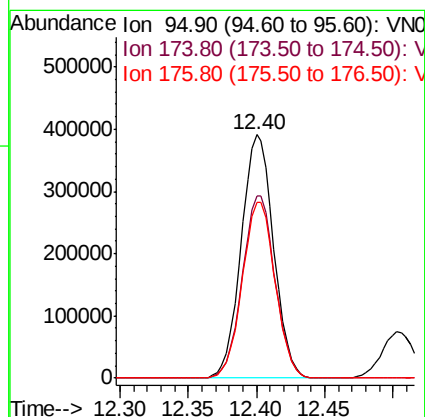
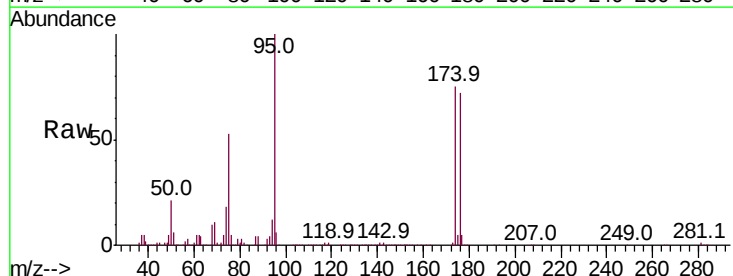
Instrument :
 MSVOA_N
 ClientSampled :

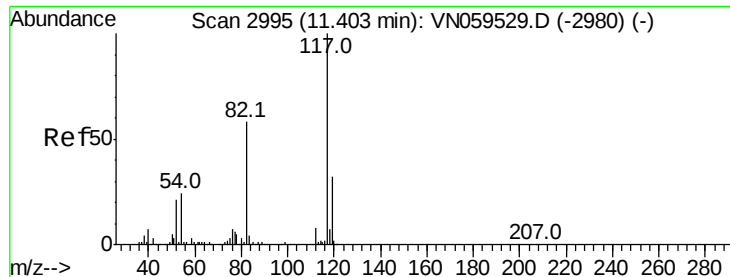
Tot Ion:107 Resp: 546102
 Ion Ratio Lower Upper
 107 100
 109 94.1 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 162.268 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Tgt Ion: 95 Resp: 642554
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 158.0
 176 73.4 0.0 155.4

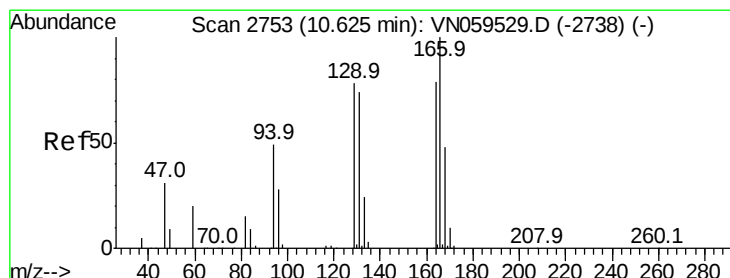
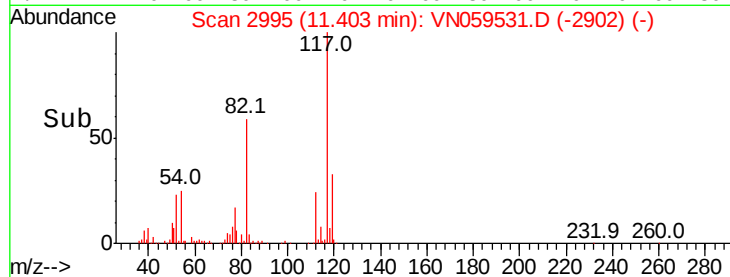
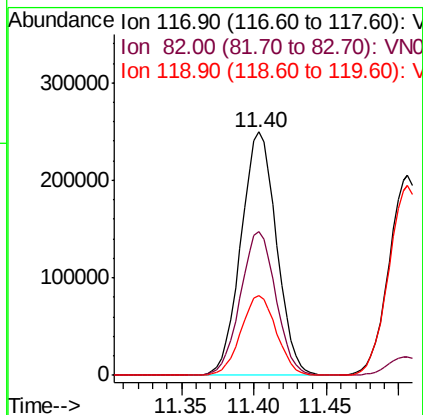
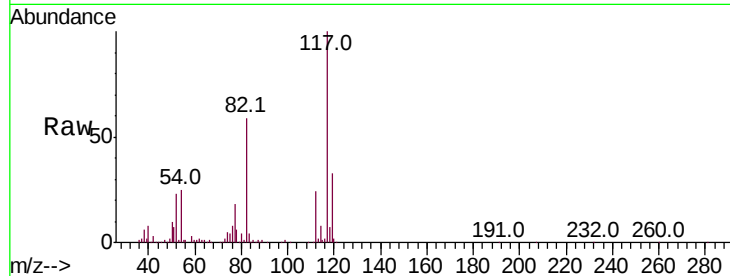




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

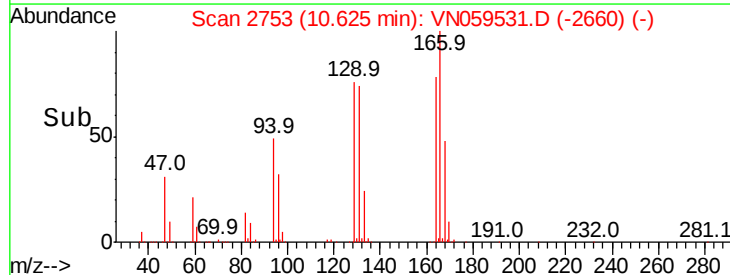
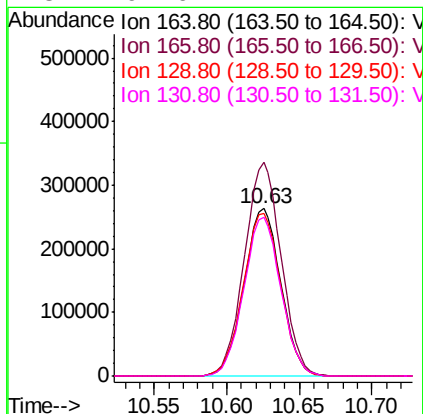
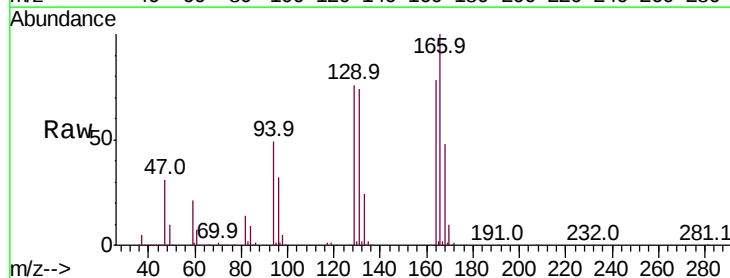
Instrument :
MSVOA_N
ClientSampleId :

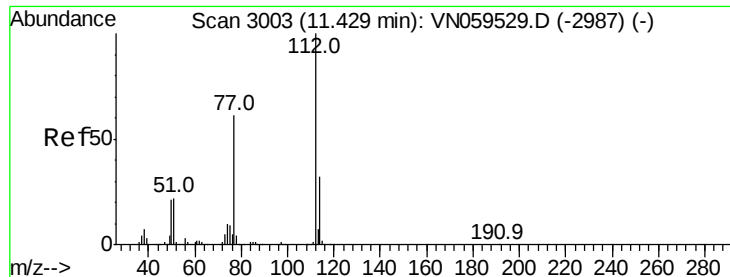
Tot Ion:117 Resp: 426183
Ion Ratio Lower Upper
117 100
82 59.0 46.5 69.7
119 32.7 25.2 37.8



#64
Tetrachloroethene
Concen: 134.849 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion:164 Resp: 465620
Ion Ratio Lower Upper
164 100
166 127.6 101.6 152.4
129 97.3 79.0 118.6
131 94.6 74.7 112.1

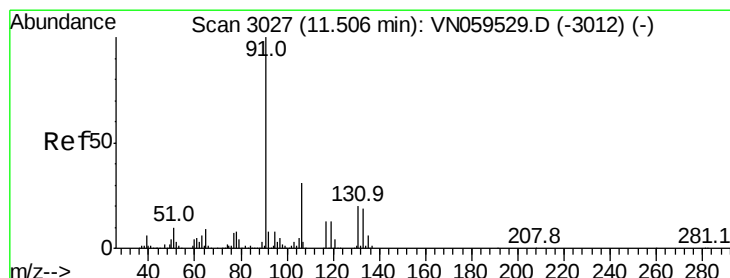
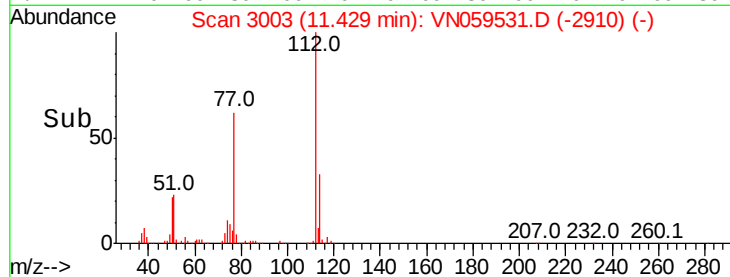
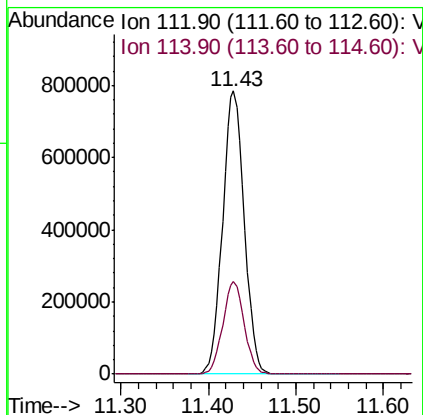
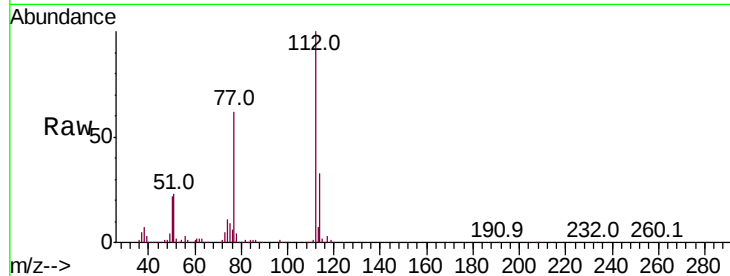




#65
Chlorobenzene
Concen: 148.151 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

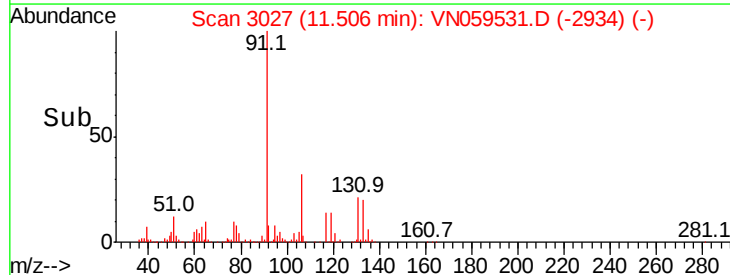
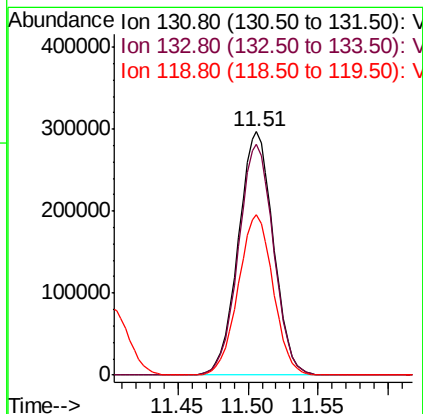
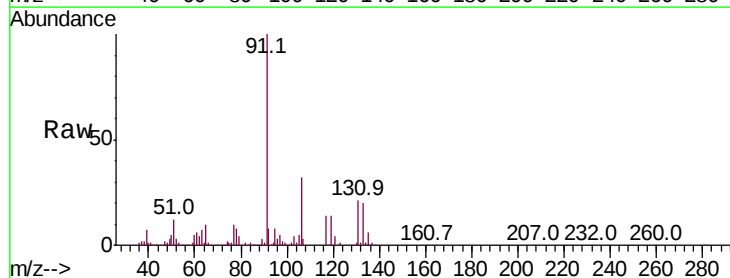
Instrument :
MSVOA_N
ClientSampled :

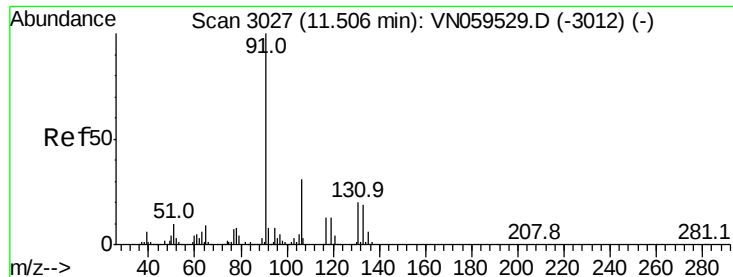
Tot Ion:112 Resp: 1343974
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 157.894 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion:131 Resp: 516508
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 65.6 33.4 100.2





#67

Ethyl Benzene

Concen: 153.006 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

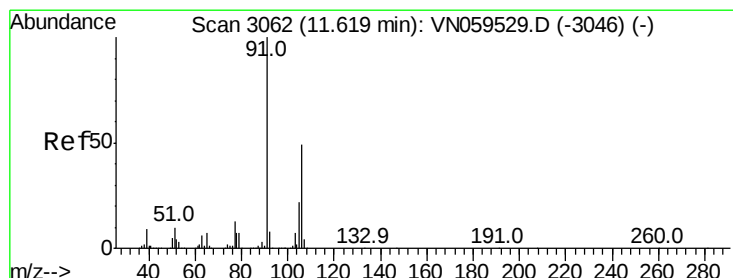
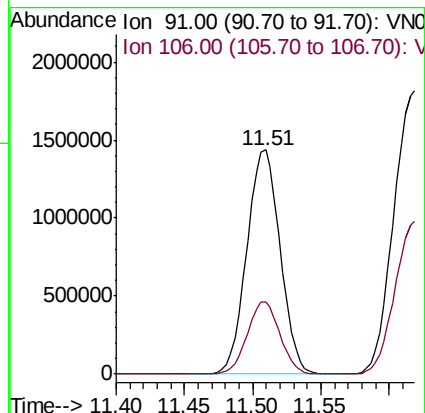
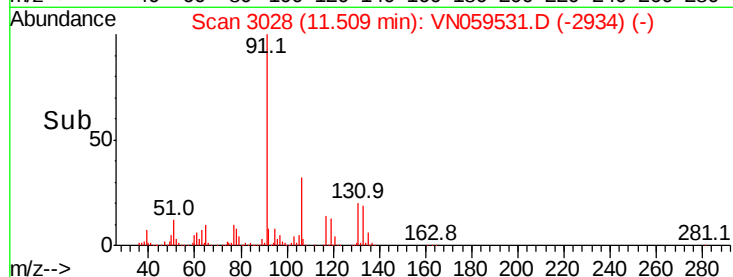
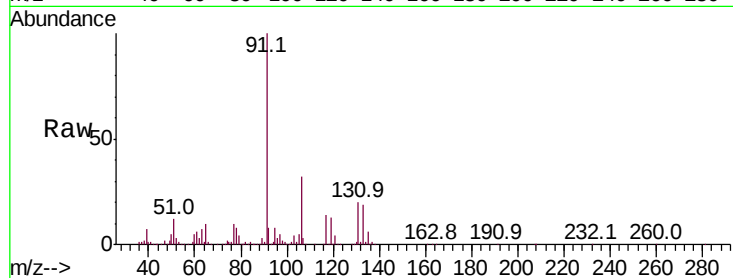
ClientSampleId :

Tot Ion: 91 Resp: 2437324

Ion Ratio Lower Upper

91 100

106 32.4 24.5 36.7



#68

m/p-Xylenes

Concen: 312.011 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059531.D

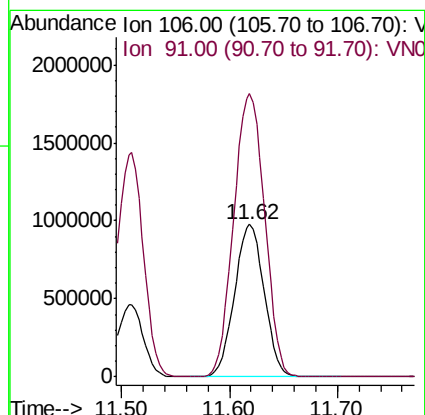
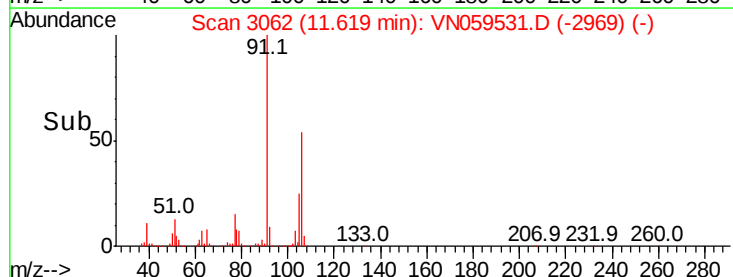
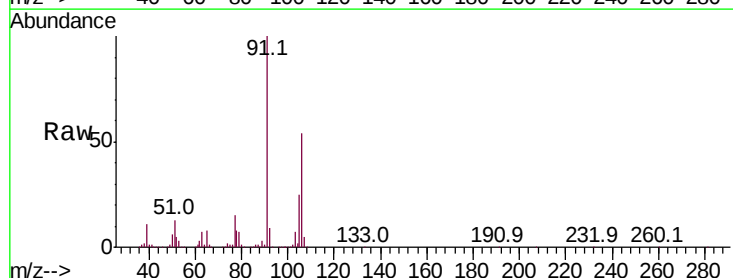
Acq: 9 Dec 2019 16:35

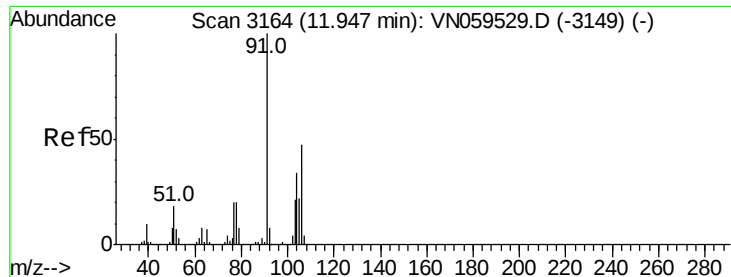
Tgt Ion: 106 Resp: 1865858

Ion Ratio Lower Upper

106 100

91 194.8 162.9 244.3





#69

o-Xylene

Concen: 157.698 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

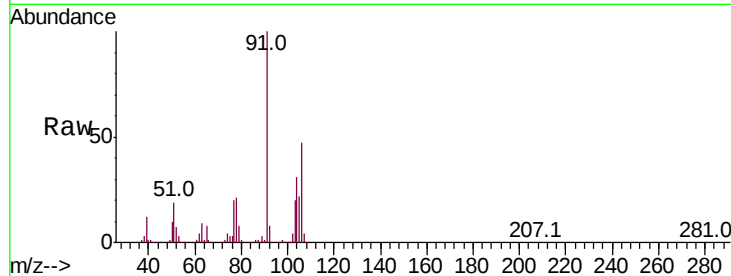
ClientSampleId :

Tot Ion:106 Resp: 898097

Ion Ratio Lower Upper

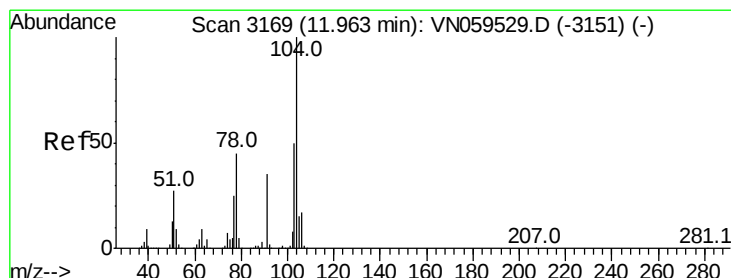
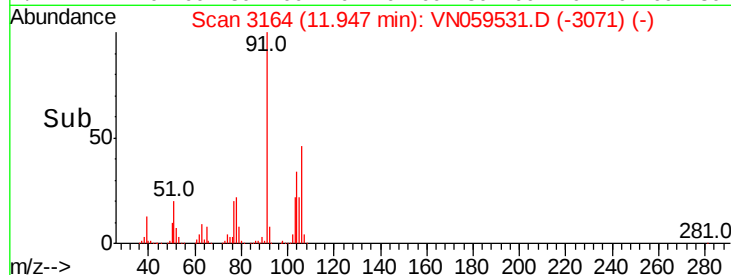
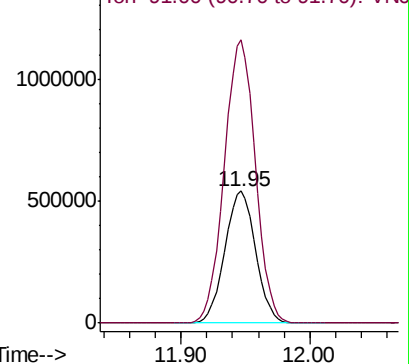
106 100

91 216.7 106.7 319.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 176.210 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

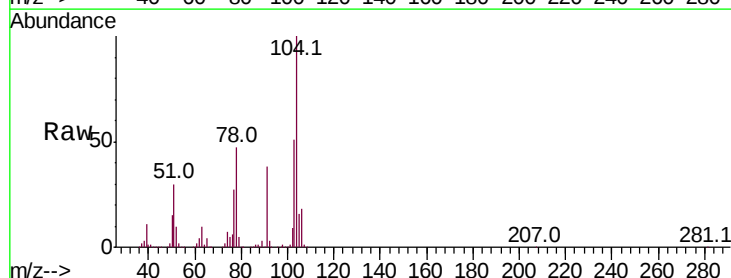
Tgt Ion:104 Resp: 1607349

Ion Ratio Lower Upper

104 100

78 52.3 40.6 60.8

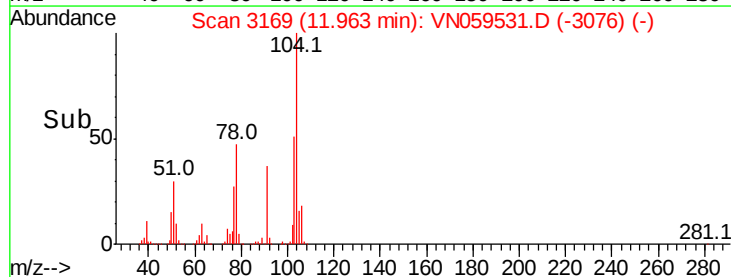
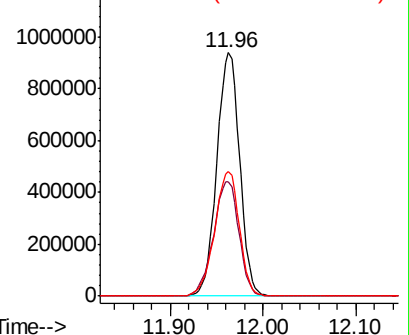
103 55.1 43.9 65.9

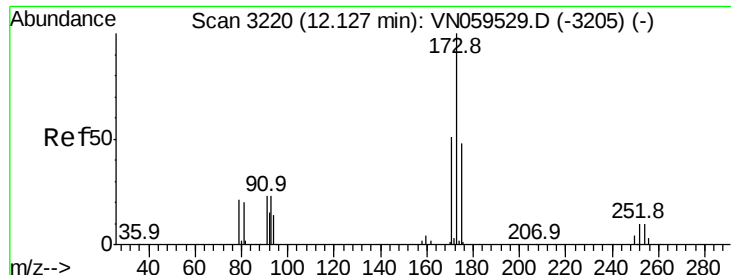


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

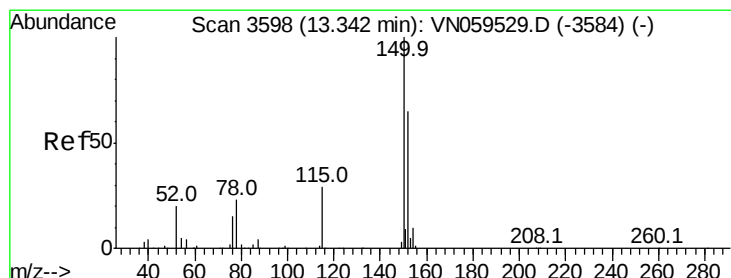
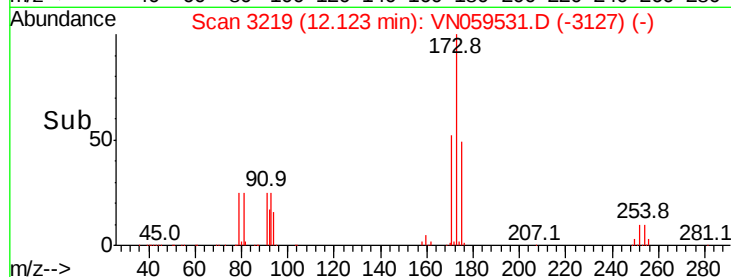
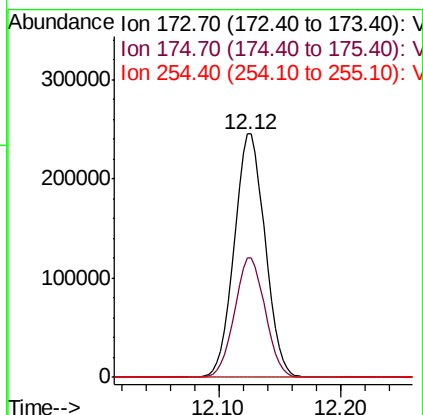
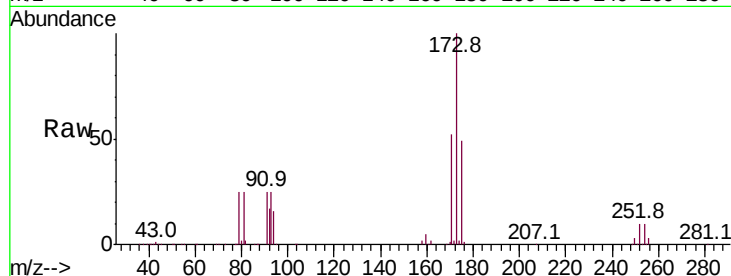




#71
Bromoform
Concen: 165.659 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

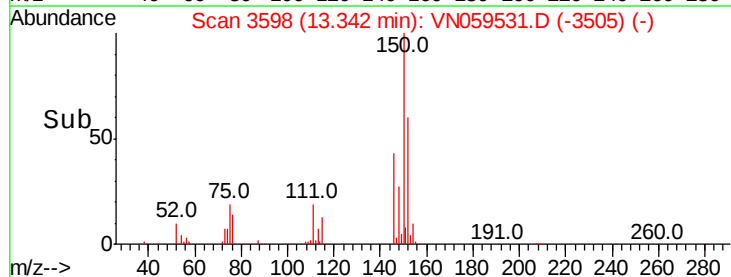
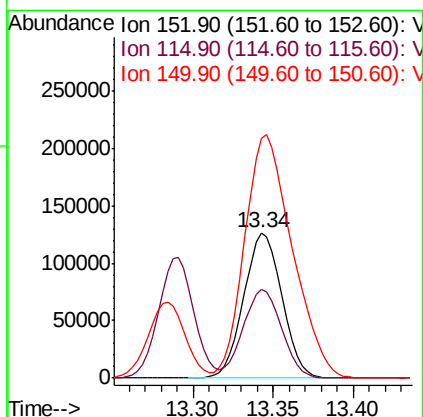
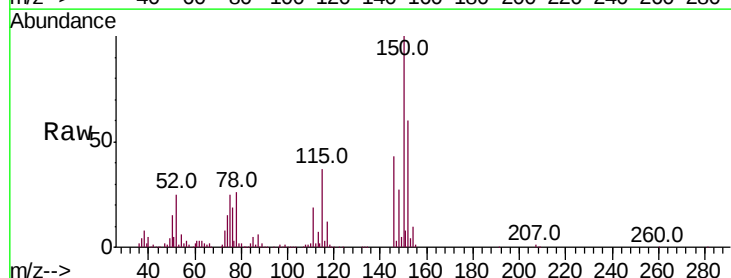
Instrument :
MSVOA_N
ClientSampleId :

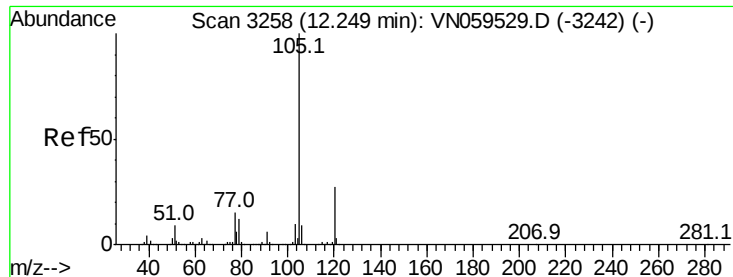
Tot Ion:173 Resp: 428162
Ion Ratio Lower Upper
173 100
175 48.8 24.1 72.4
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059531.D
Acq: 9 Dec 2019 16:35

Tgt Ion:152 Resp: 206776
Ion Ratio Lower Upper
152 100
115 61.2 29.4 88.2
150 209.5 0.0 342.4





#73

Isopropylbenzene

Concen: 150.151 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

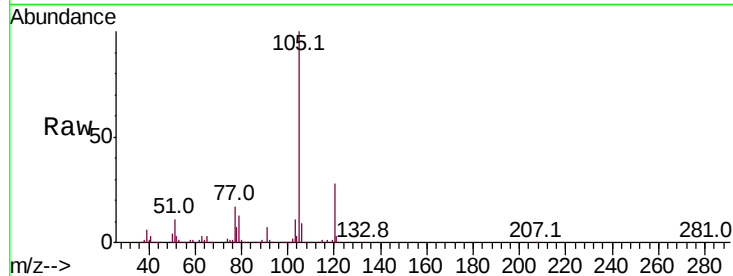
ClientSampleId :

Tot Ion:105 Resp: 2366470

Ion Ratio Lower Upper

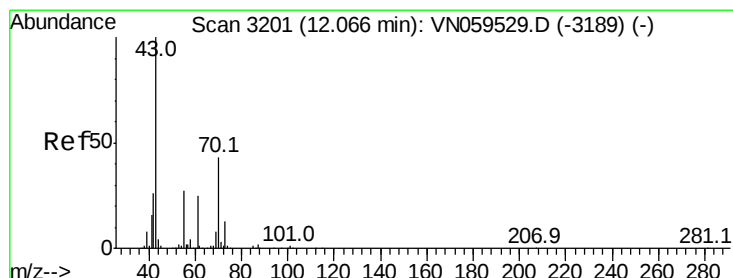
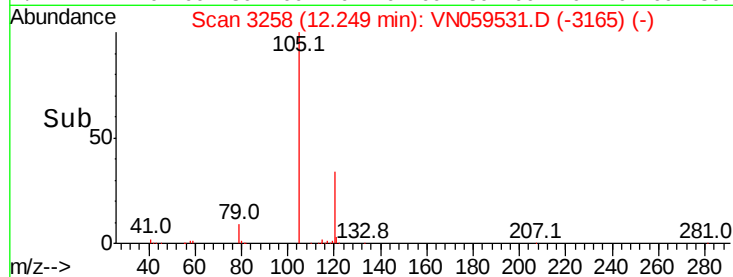
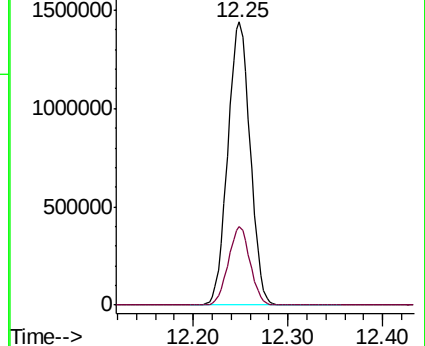
105 100

120 27.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 182.814 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Tgt Ion: 43 Resp: 1176400

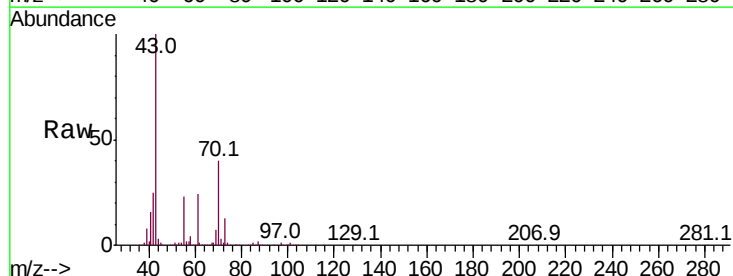
Ion Ratio Lower Upper

43 100

70 39.6 34.2 51.4

55 23.6 21.3 31.9

61 23.3 19.8 29.8

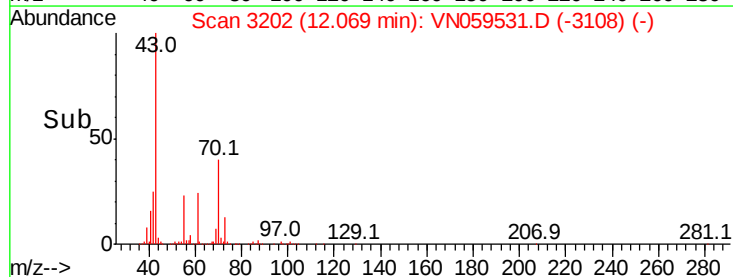
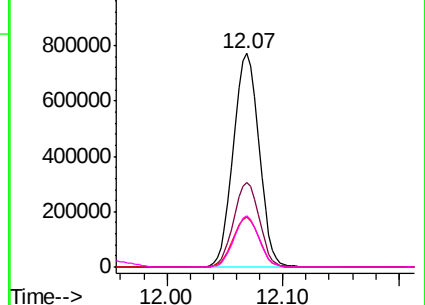


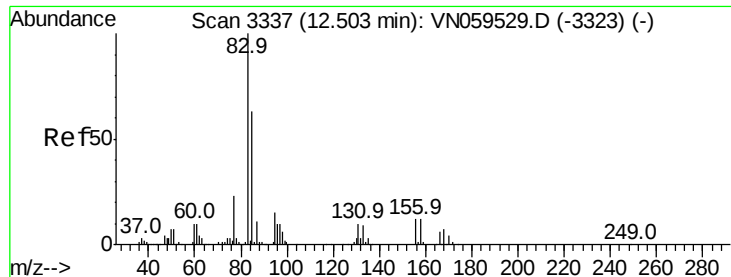
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 150.828 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

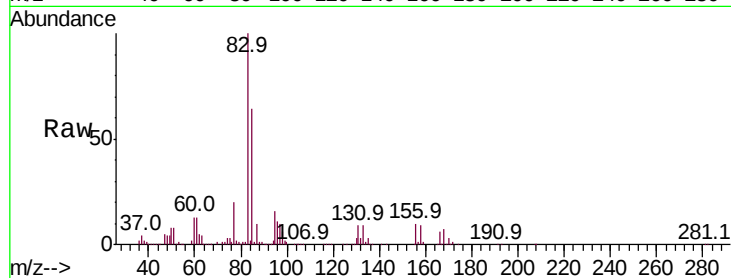
Tot Ion: 83 Resp: 771662

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

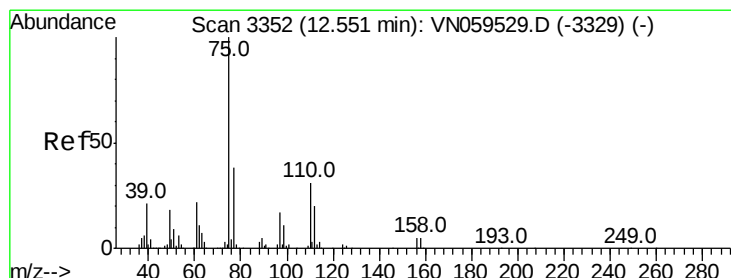
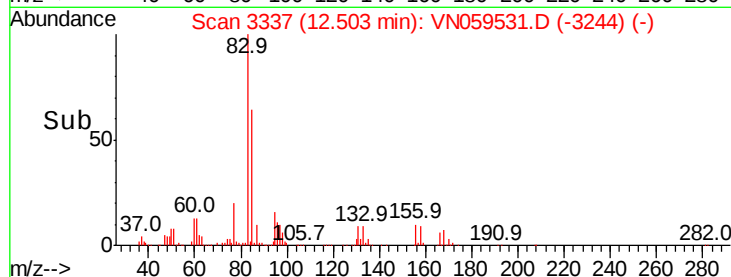
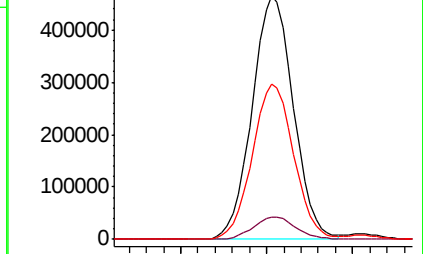
85 64.0 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 215.877 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059531.D

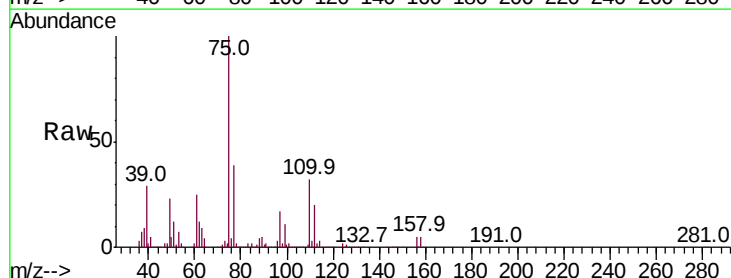
Acq: 9 Dec 2019 16:35

Tgt Ion: 75 Resp: 1090579

Ion Ratio Lower Upper

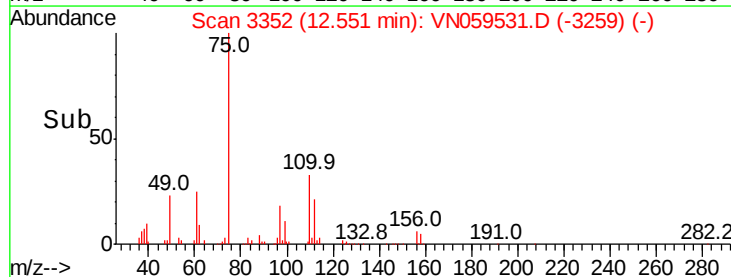
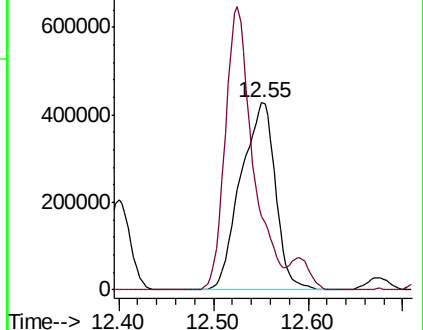
75 100

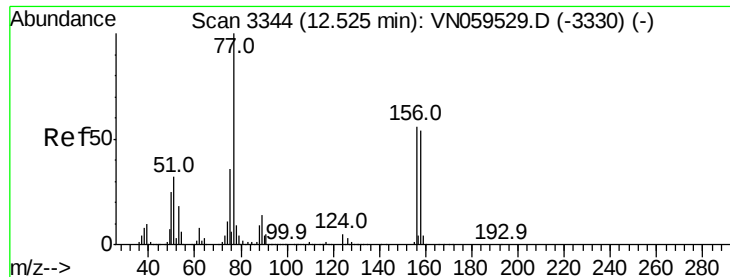
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 142.338 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

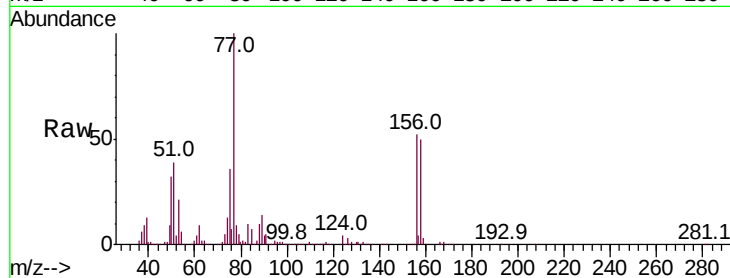
Tot Ion:156 Resp: 568060

Ion Ratio Lower Upper

156 100

77 232.0 109.3 327.8

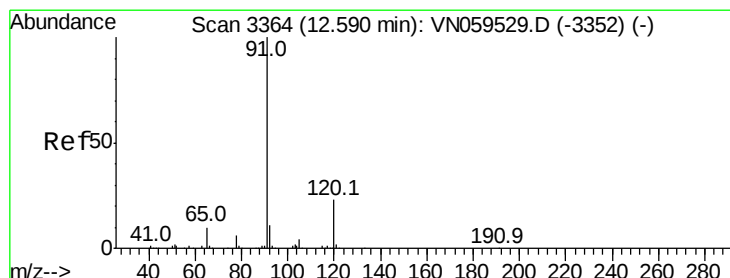
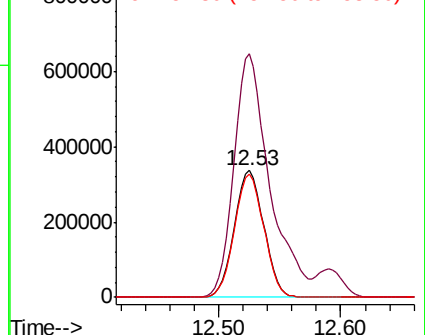
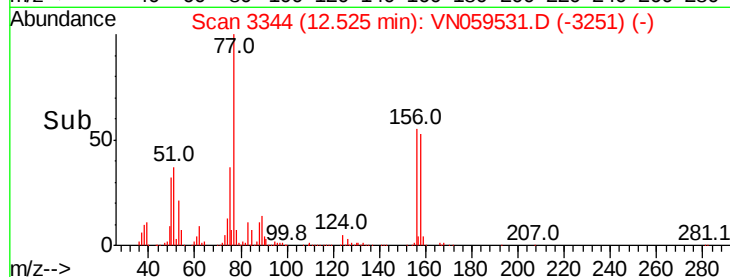
158 96.7 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 148.627 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059531.D

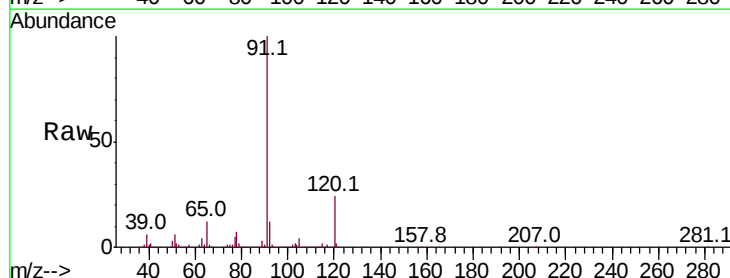
Acq: 9 Dec 2019 16:35

Tgt Ion: 91 Resp: 2753591

Ion Ratio Lower Upper

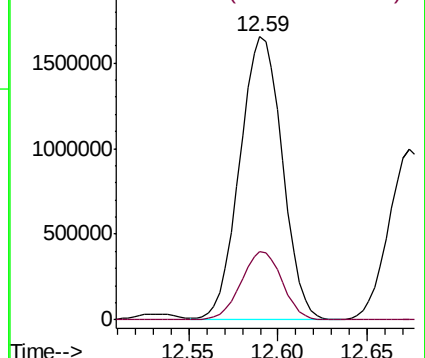
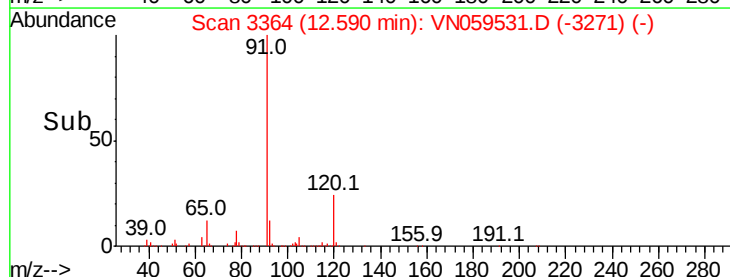
91 100

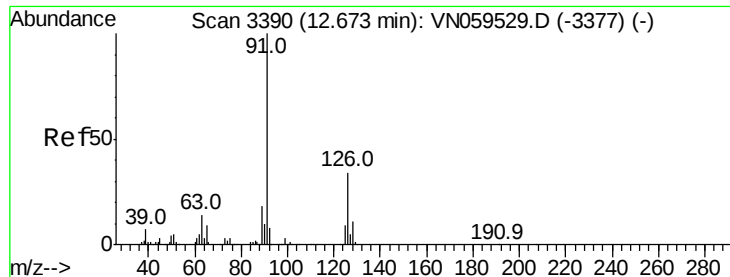
120 23.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 147.725 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

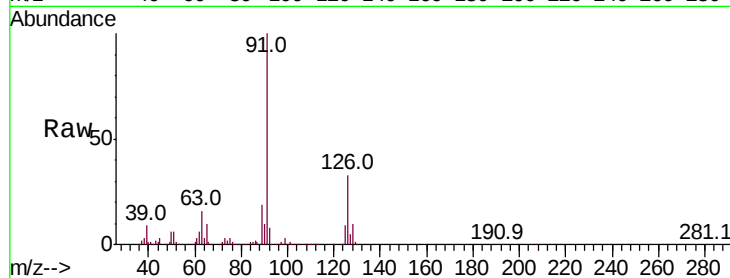
ClientSampleId :

Tot Ion: 91 Resp: 1652242

Ion Ratio Lower Upper

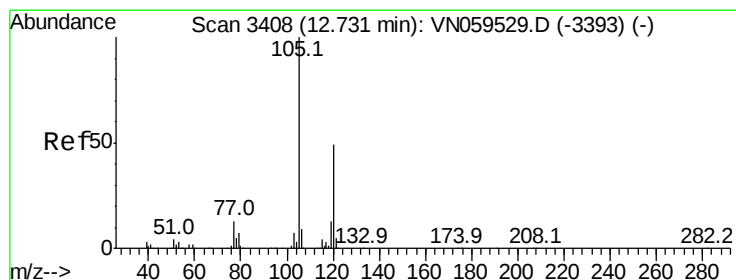
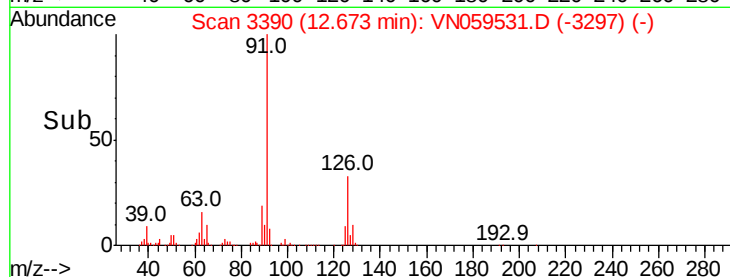
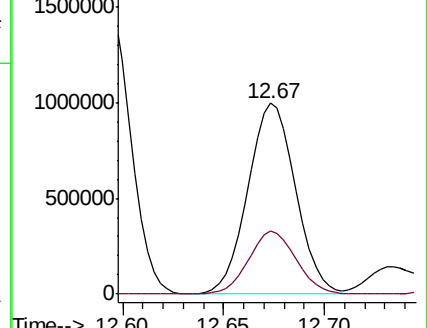
91 100

126 32.7 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059531.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059531.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 149.769 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059531.D

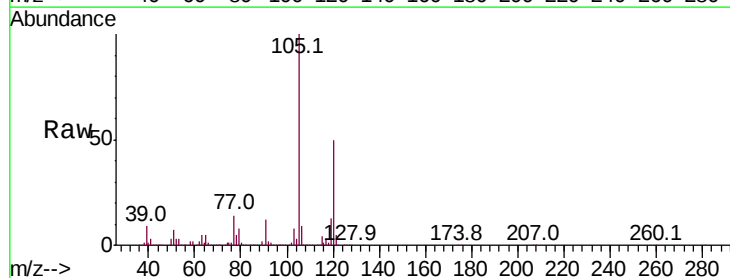
Acq: 9 Dec 2019 16:35

Tgt Ion:105 Resp: 1997837

Ion Ratio Lower Upper

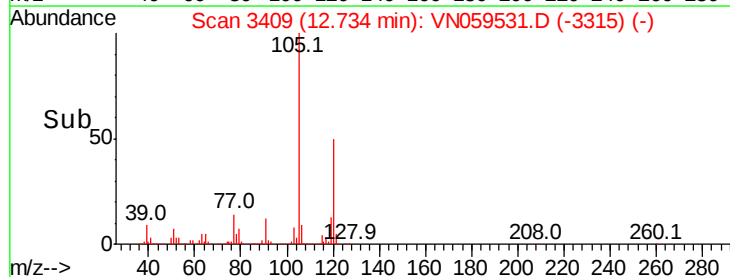
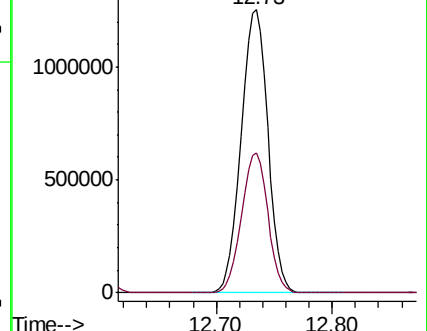
105 100

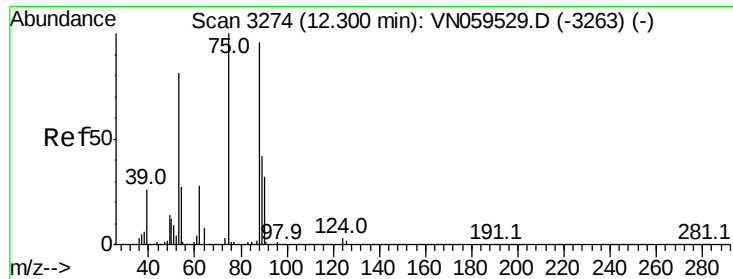
120 48.8 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059531.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN059531.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 168.720 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

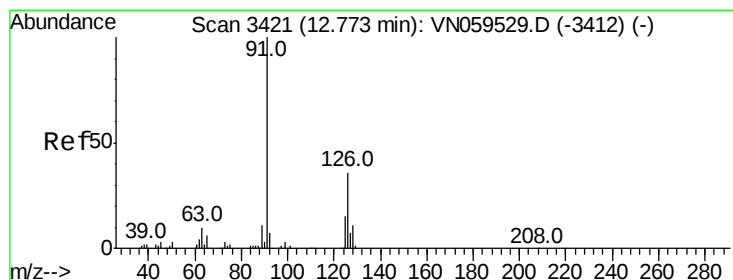
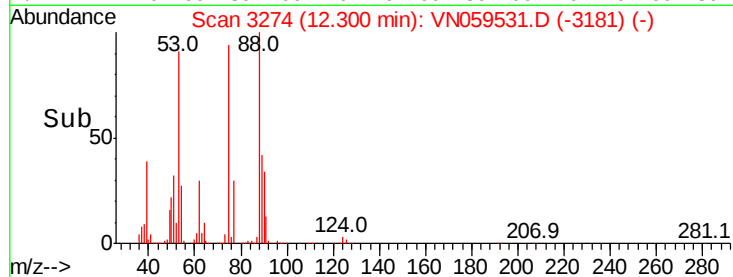
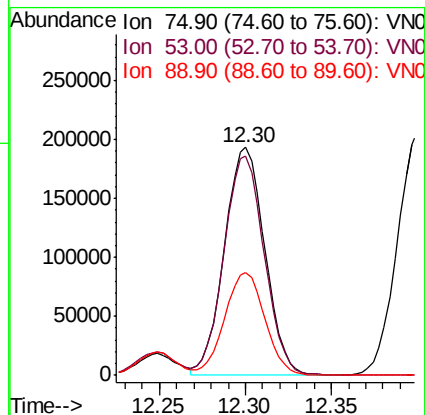
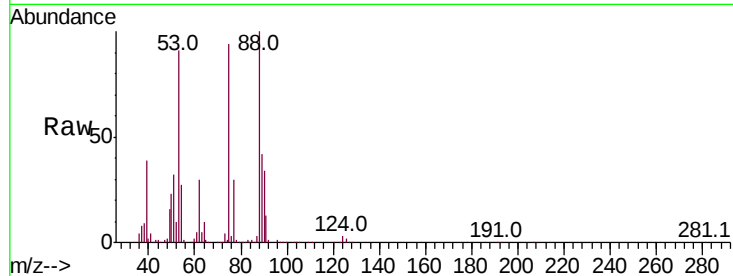
Tot Ion: 75 Resp: 314049

Ion	Ratio	Lower	Upper
75	100		
53	96.7	67.0	100.6
89	45.2	35.5	53.3

75 100

53 96.7 67.0 100.6

89 45.2 35.5 53.3



#82

4-Chlorotoluene

Concen: 150.196 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059531.D

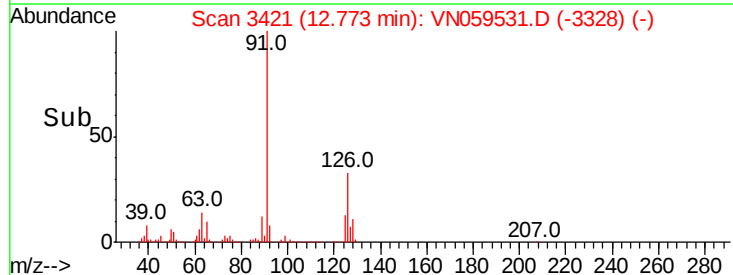
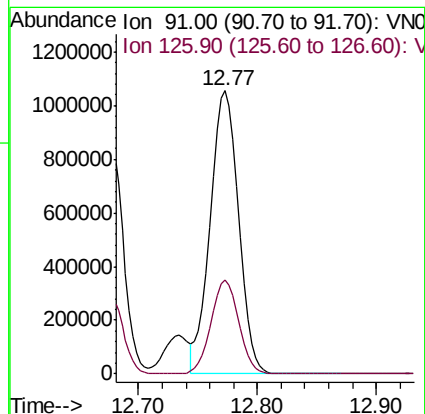
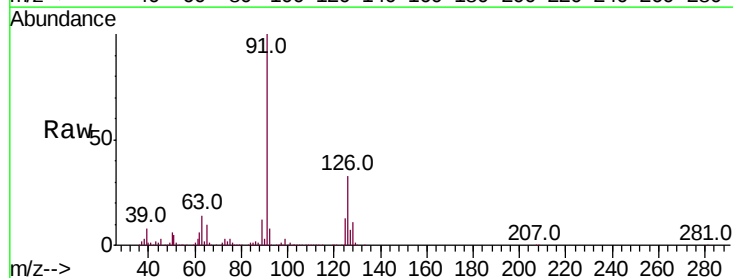
Acq: 9 Dec 2019 16:35

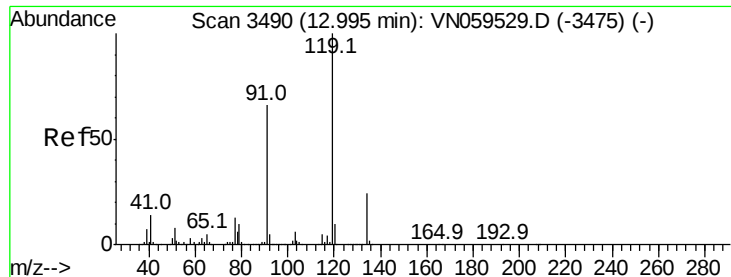
Tgt Ion: 91 Resp: 1740210

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

91 100

126 32.4 16.4 49.4





#83

tert-Butylbenzene

Concen: 148.430 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

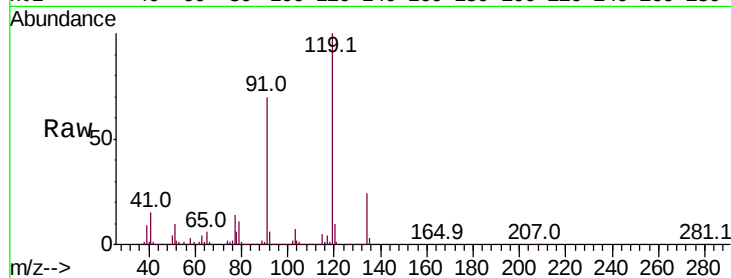
Tot Ion:119 Resp: 1716969

Ion Ratio Lower Upper

119 100

91 67.5 32.8 98.4

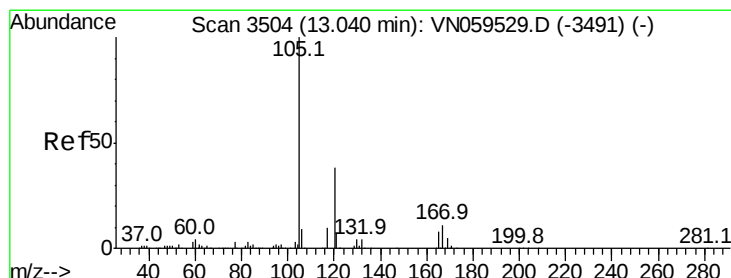
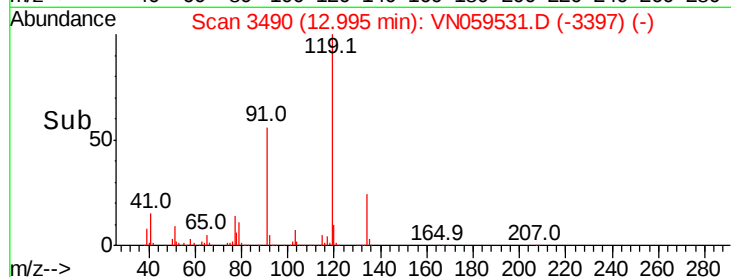
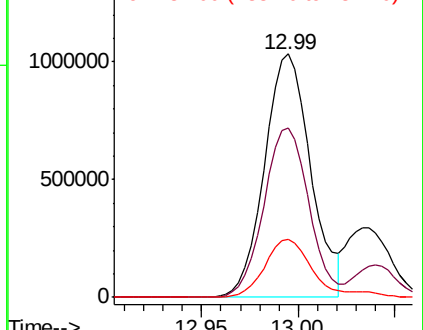
134 25.1 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 154.003 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059531.D

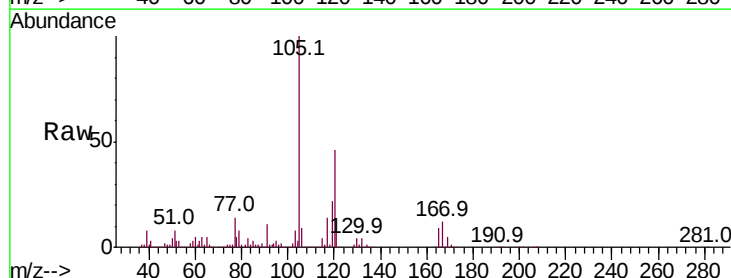
Acq: 9 Dec 2019 16:35

Tgt Ion:105 Resp: 2012855

Ion Ratio Lower Upper

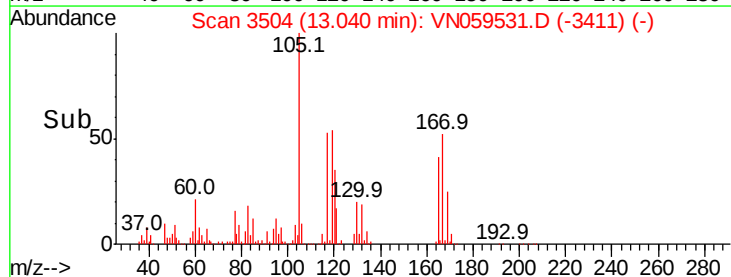
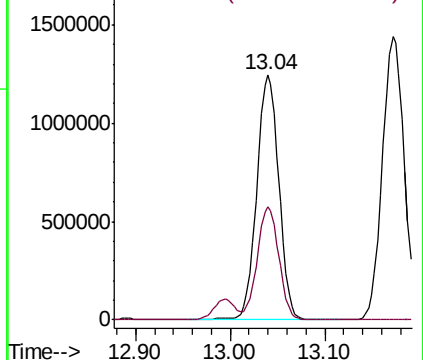
105 100

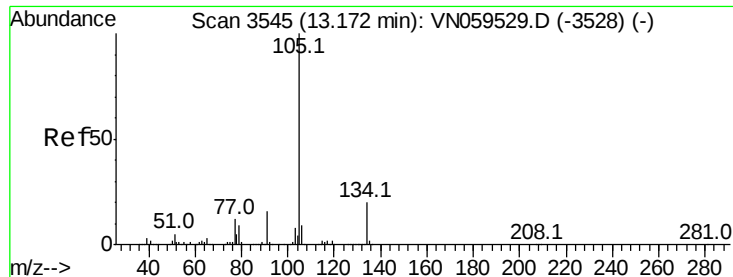
120 45.5 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 149.583 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

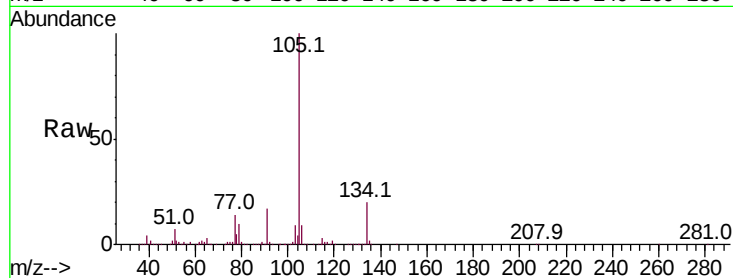
ClientSampled :

Tot Ion:105 Resp: 2299623

Ion Ratio Lower Upper

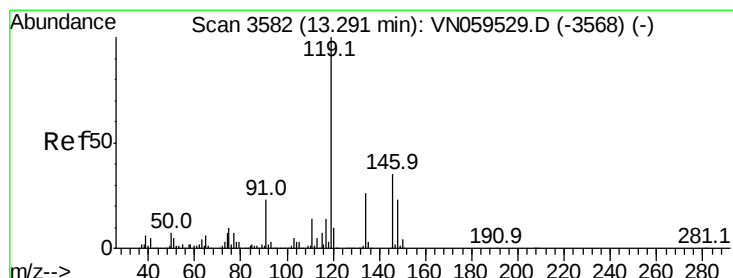
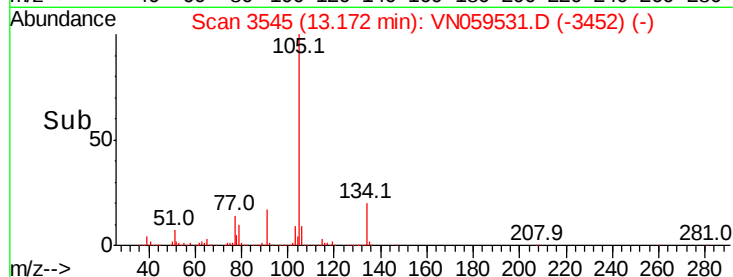
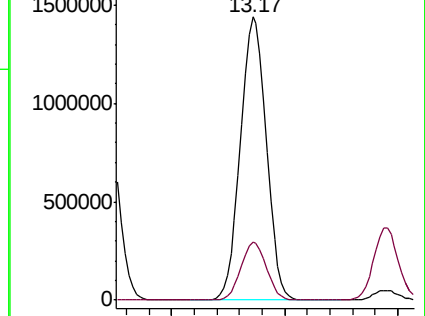
105 100

134 20.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 152.738 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

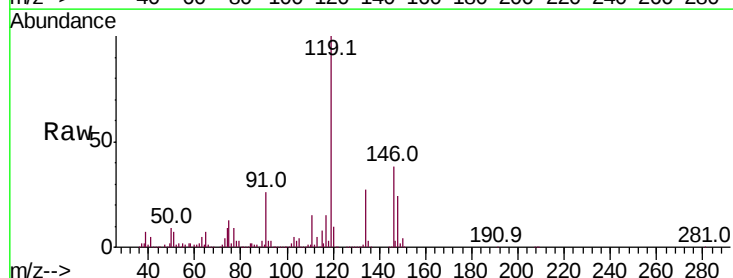
Tgt Ion:119 Resp: 2111402

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

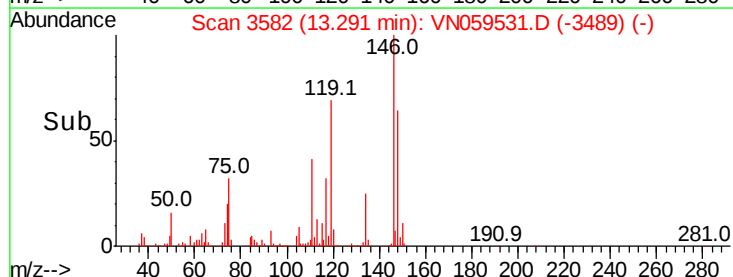
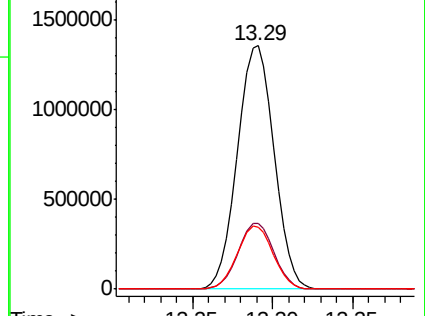
91 25.2 11.7 35.1

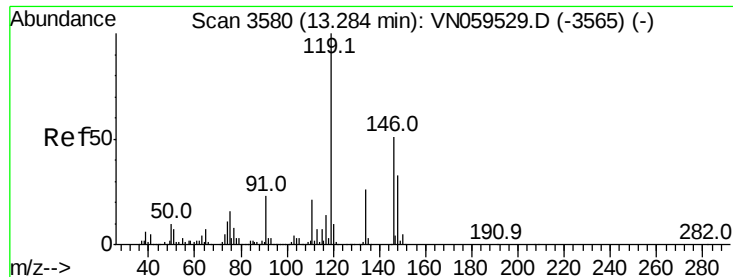


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 146.883 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

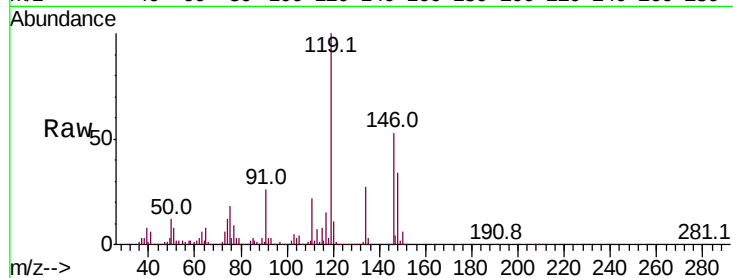
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146 Resp: 1043321

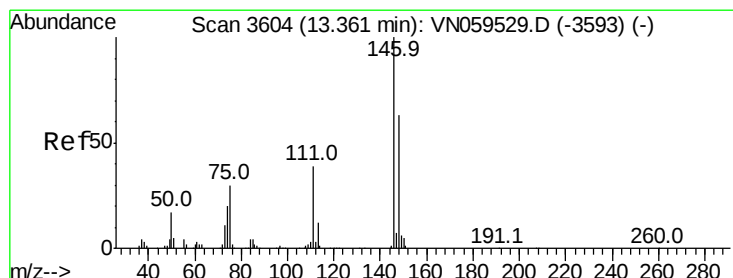
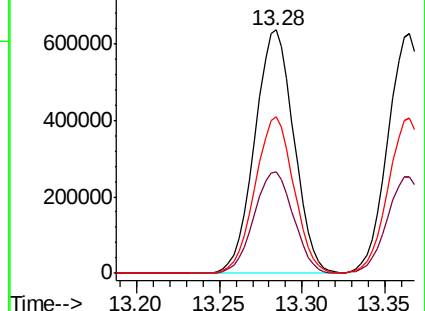
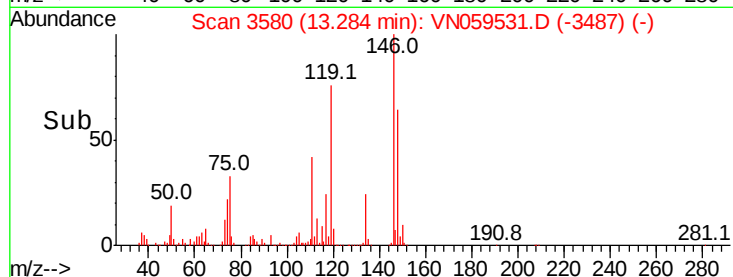
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.6	61.8
148	63.9	32.0	96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 143.928 ug/l

RT: 13.36 min Scan# 3605

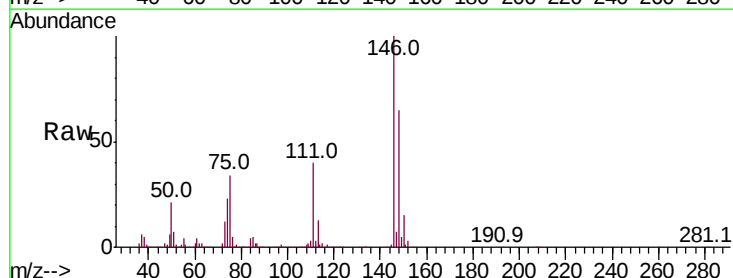
Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Tgt Ion:146 Resp: 1032223

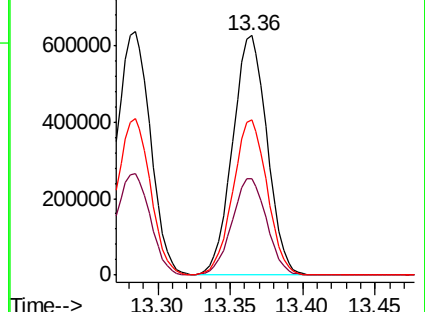
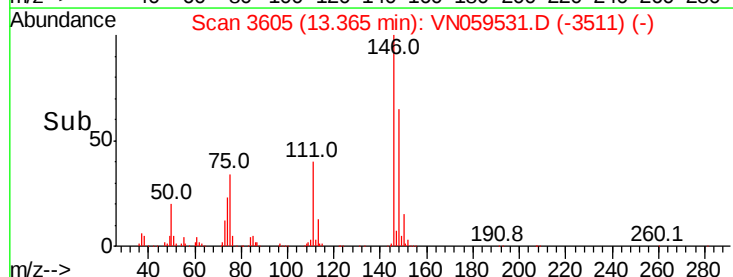
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	64.2	31.9	95.7

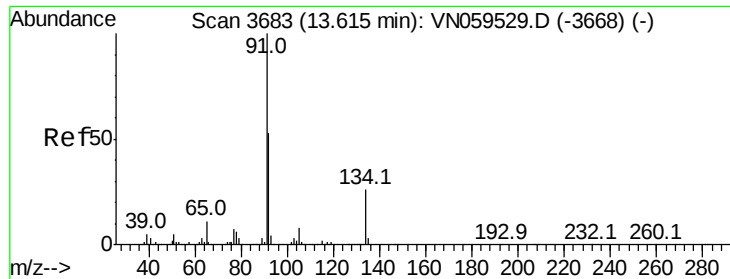


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 163.579 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

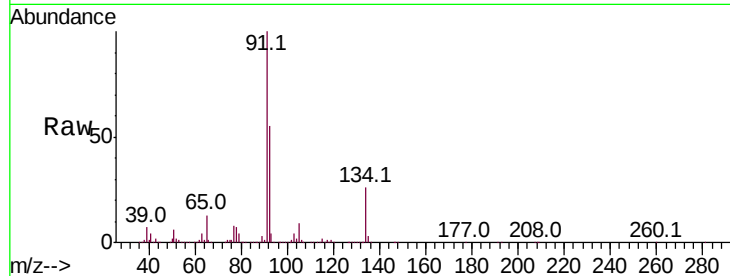
Tot Ion: 91 Resp: 2031806

Ion Ratio Lower Upper

91 100

92 53.4 26.3 78.9

134 25.4 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059529.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059529.D (-3668) (-)

13.62

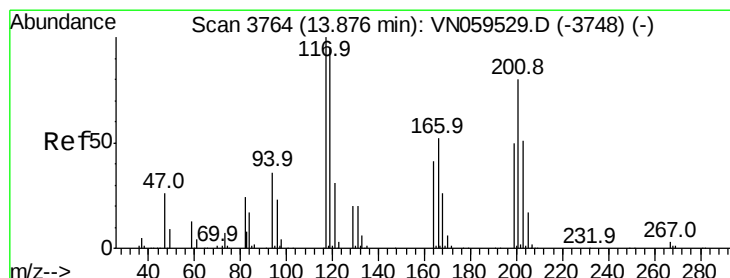
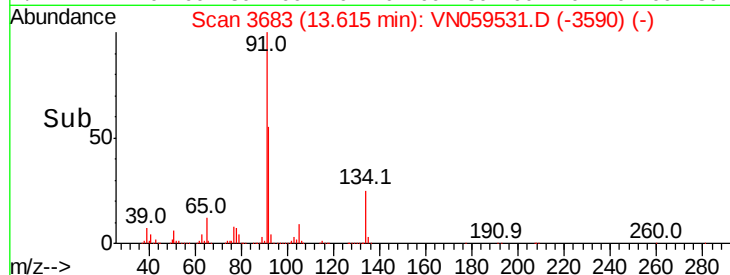
1500000

1000000

500000

0

Time-->



#90

Hexachloroethane

Concen: 152.500 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059531.D

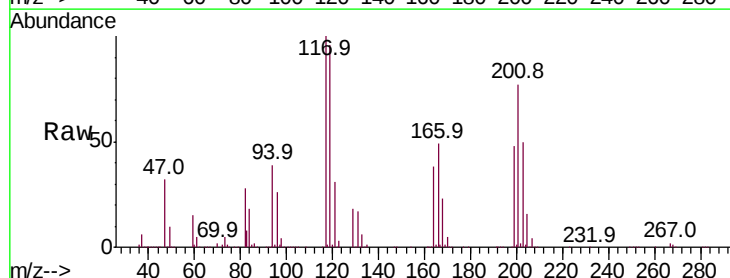
Acq: 9 Dec 2019 16:35

Tgt Ion: 117 Resp: 406220

Ion Ratio Lower Upper

117 100

201 77.5 40.5 121.5



Abundance Ion 116.80 (116.50 to 117.50): VN059529.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN059529.D (-3748) (-)

13.88

250000

200000

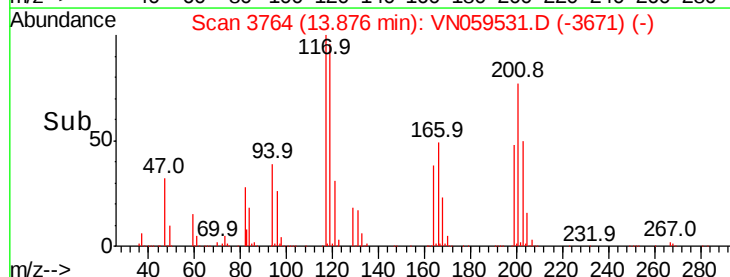
150000

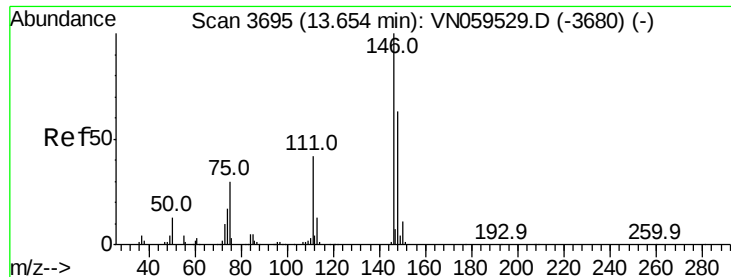
100000

50000

0

Time-->





#91

1,2-Dichlorobenzene

Concen: 147.646 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

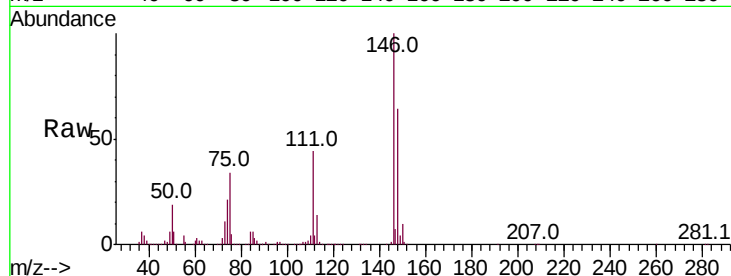
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 1003890

Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.9	62.7
148	64.3	31.6	94.8

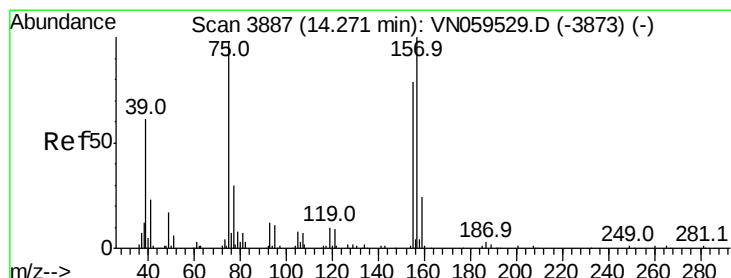
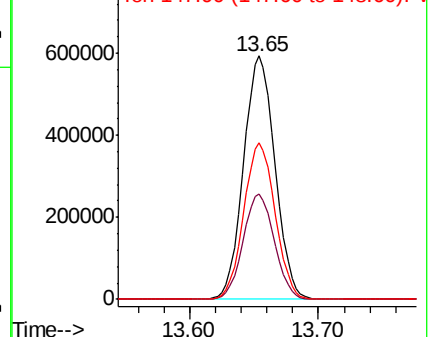
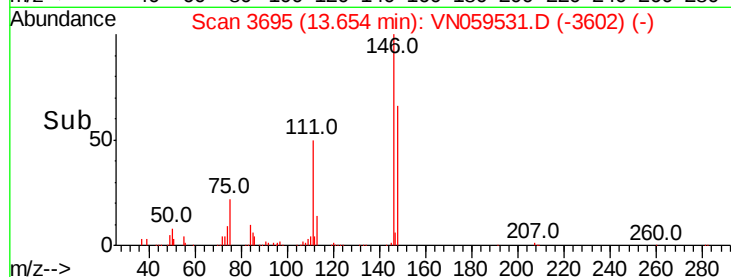


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 151.697 ug/l

RT: 14.27 min Scan# 3887

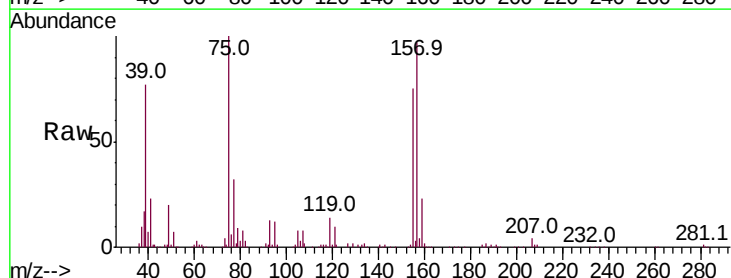
Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Tgt Ion: 75 Resp: 187301

Ion	Ratio	Lower	Upper
75	100		
155	76.1	40.4	121.1
157	98.2	51.1	153.3

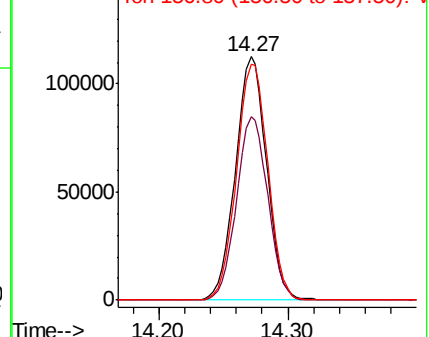
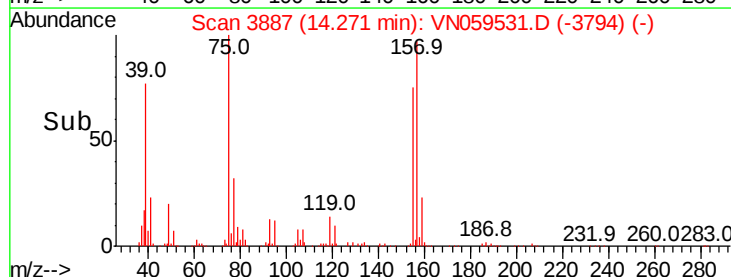


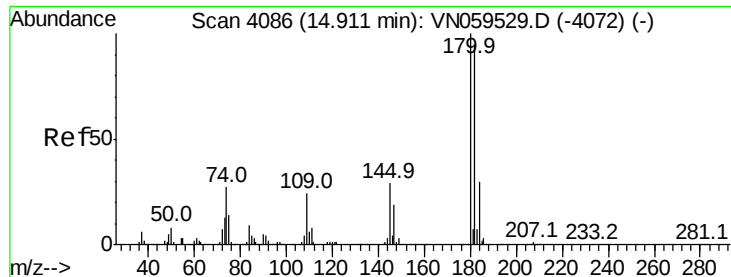
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

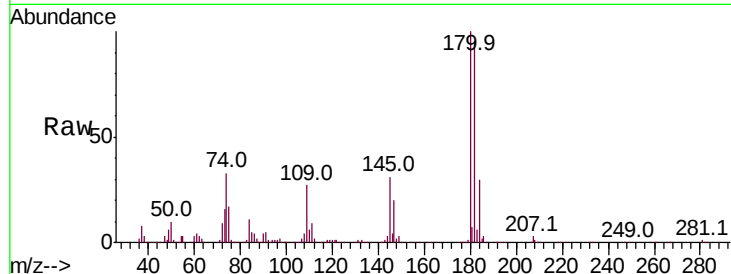




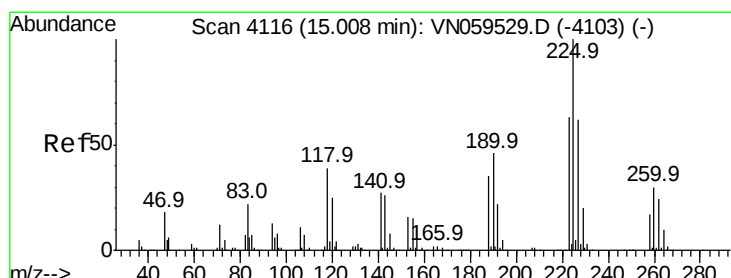
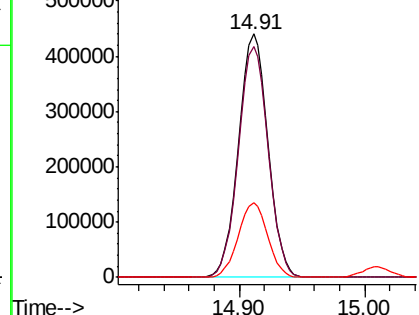
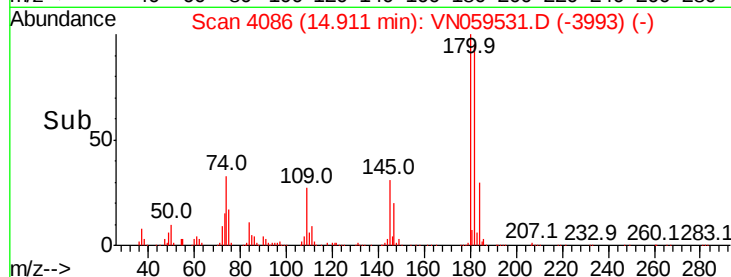
#93
 1,2,4-Trichlorobenzene
 Concen: 167.477 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	142.0
145	30.9	14.9	44.7

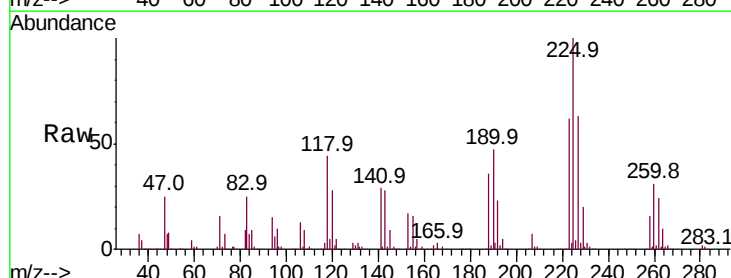


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

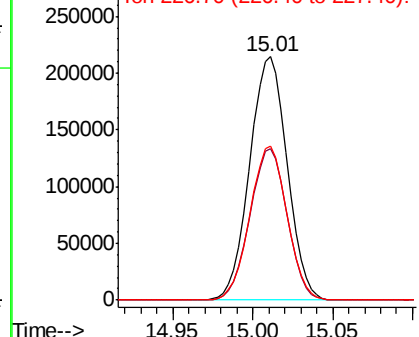
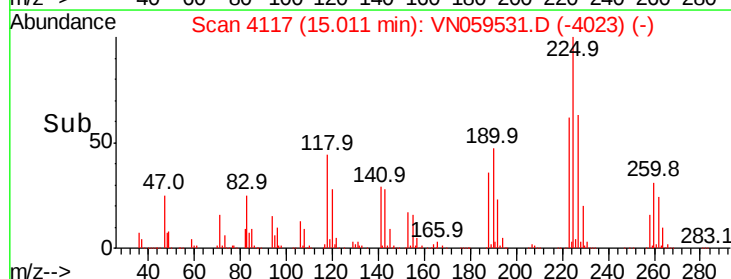


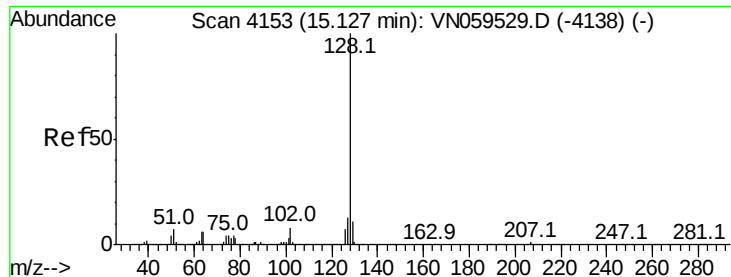
#94
 Hexachlorobutadiene
 Concen: 128.809 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059531.D
 Acq: 9 Dec 2019 16:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.9
227	62.7	31.6	95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 170.991 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

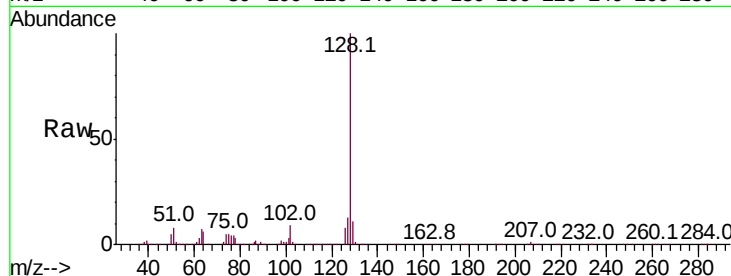
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 2144046

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.0	8.6	13.0

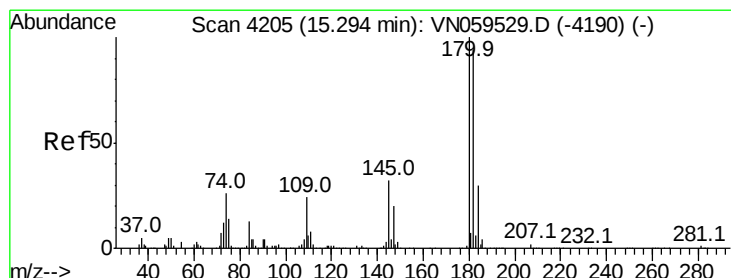
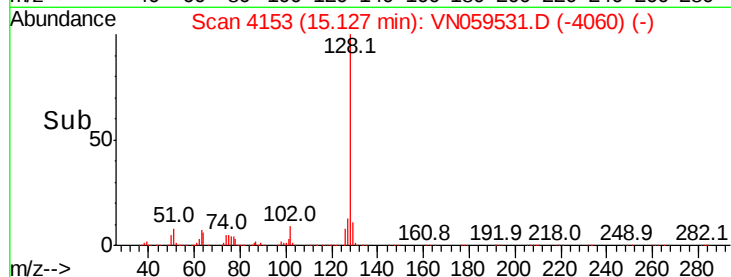
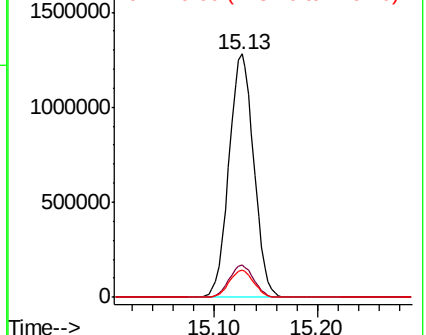


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 152.668 ug/l

RT: 15.29 min Scan# 4205

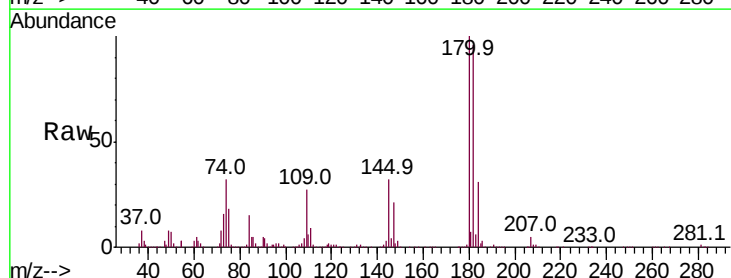
Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Tgt Ion:180 Resp: 698373

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	32.4	15.8	47.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

