

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059527.D
 Acq On : 9 Dec 2019 15:08
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 16:17:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:15:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	246423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	459988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	451163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165930	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	18600	6.08	ug/l	0.00
Spiked Amount			Recovery	=	12.16%	
35) Dibromofluoromethane	7.57	113	13237	4.73	ug/l	0.00
Spiked Amount			Recovery	=	9.46%	
50) Toluene-d8	10.08	98	50338	4.60	ug/l	0.00
Spiked Amount			Recovery	=	9.20%	
62) 4-Bromofluorobenzene	12.40	95	16895	4.29	ug/l	0.00
Spiked Amount			Recovery	=	8.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	10983	4.050	ug/l	100
3) Chloromethane	2.04	50	17033	4.602	ug/l	95
4) Vinyl Chloride	2.17	62	14685	5.887	ug/l	99
5) Bromomethane	2.54	94	8928	5.816	ug/l	97
6) Chloroethane	2.68	64	8677	5.954	ug/l	97
7) Trichlorofluoromethane	3.00	101	17918	6.023	ug/l	92
8) Diethyl Ether	3.39	74	7016	4.159	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10454	4.088	ug/l	98
10) Methyl Iodide	3.93	142	10295	3.208	ug/l	98
11) Tert butyl alcohol	4.74	59	3334	5.957	ug/l #	83
12) 1,1-Dichloroethene	3.71	96	10109	4.075	ug/l	87
13) Acrolein	3.59	56	5064	11.763	ug/l	96
14) Allyl chloride	4.29	41	16092	3.266	ug/l	95
15) Acrylonitrile	4.96	53	21730	14.330	ug/l	94
16) Acetone	3.79	43	31507	15.670	ug/l	98
17) Carbon Disulfide	4.03	76	30165	3.537	ug/l	98
18) Methyl Acetate	4.29	43	6128	1.520	ug/l #	40
19) Methyl tert-butyl Ether	5.02	73	25923	3.037	ug/l	100
20) Methylene Chloride	4.52	84	11930	3.777	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	8805	3.154	ug/l	87
22) Diisopropyl ether	5.92	45	27756	3.021	ug/l	89
23) Vinyl Acetate	5.87	43	113700	15.350	ug/l	99
24) 1,1-Dichloroethane	5.82	63	17950	3.444	ug/l	100
25) 2-Butanone	6.81	43	32716	14.392	ug/l	99
26) 2,2-Dichloropropane	6.79	77	15534	3.414	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	9421	3.032	ug/l	95
28) Bromochloromethane	7.18	49	5295	3.189	ug/l #	98
29) Tetrahydrofuran	7.19	42	22090	15.381	ug/l	99
30) Chloroform	7.35	83	16489	3.252	ug/l	98
31) Cyclohexane	7.64	56	19346	3.856	ug/l #	72
32) 1,1,1-Trichloroethane	7.54	97	14889	3.367	ug/l	99
36) 1,1-Dichloropropene	7.77	75	12476	2.661	ug/l	99
37) Ethyl Acetate	6.91	43	13915	2.656	ug/l	96
38) Carbon Tetrachloride	7.75	117	12719	2.808	ug/l	96

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 Data File : VN059527.D
 Acq On : 9 Dec 2019 15:08
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 16:17:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:15:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	13493	2.411	ug/l	97
40) Benzene	8.02	78	37271	2.727	ug/l	97
41) Methacrylonitrile	7.18	41	21152	9.791	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	14697	3.096	ug/l	98
43) Isopropyl Acetate	8.15	43	20858	2.661	ug/l #	92
44) Trichloroethene	8.82	130	9639	2.704	ug/l	93
45) 1,2-Dichloropropane	9.10	63	10021	2.739	ug/l	98
46) Dibromomethane	9.19	93	6260	2.734	ug/l	98
47) Bromodichloromethane	9.39	83	12865	2.792	ug/l	99
48) Methyl methacrylate	9.19	41	9712	2.751	ug/l	92
49) 1,4-Dioxane	9.18	88	2265	43.562	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	60844	13.105	ug/l	97
52) Toluene	10.15	92	21197	2.570	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	13399	2.480	ug/l #	85
54) cis-1,3-Dichloropropene	9.83	75	14847	2.605	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	9291	2.853	ug/l	97
56) Ethyl methacrylate	10.42	69	10107	2.142	ug/l	89
57) 1,3-Dichloropropane	10.70	76	14618	2.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	39635	28.756	ug/l	98
59) 2-Hexanone	10.75	43	44365	12.697	ug/l	98
60) Dibromochloromethane	10.90	129	9365	2.677	ug/l	97
61) 1,2-Dibromoethane	11.00	107	9139	2.709	ug/l	98
64) Tetrachloroethene	10.63	164	7895	2.160	ug/l	96
65) Chlorobenzene	11.43	112	28942	3.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	10260	2.963	ug/l	92
67) Ethyl Benzene	11.51	91	49355	2.927	ug/l	100
68) m/p-Xylenes	11.62	106	34839	5.503	ug/l	95
69) o-Xylene	11.95	106	16902	2.804	ug/l	95
70) Styrene	11.96	104	25583	2.649	ug/l	99
71) Bromoform	12.13	173	7747	2.831	ug/l #	97
73) Isopropylbenzene	12.25	105	38636	3.055	ug/l	99
74) N-amyl acetate	12.07	43	17517	3.392	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	13182	3.211	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	17674	4.360	ug/l #	100
77) Bromobenzene	12.53	156	9467	2.956	ug/l	94
78) n-propylbenzene	12.59	91	43290	2.912	ug/l	97
79) 2-Chlorotoluene	12.67	91	25581	2.850	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	28919	2.702	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4351	2.913	ug/l	89
82) 4-Chlorotoluene	12.77	91	27158	2.921	ug/l	99
83) tert-Butylbenzene	12.99	119	24518	2.641	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	28807	2.747	ug/l	100
85) sec-Butylbenzene	13.17	105	34454	2.793	ug/l	100
86) p-Isopropyltoluene	13.29	119	29793	2.686	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	16590	2.911	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	17826	3.097	ug/l	91
89) n-Butylbenzene	13.62	91	28812	2.891	ug/l	99
90) Hexachloroethane	13.87	117	6461	3.023	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	16584	3.039	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3256	3.286	ug/l	77

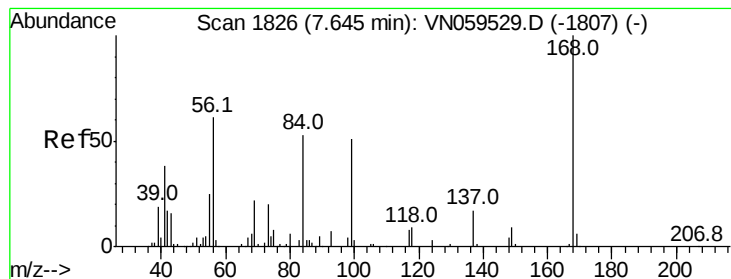
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
Data File : VN059527.D
Acq On : 9 Dec 2019 15:08
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 09 16:17:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:15:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	10189	2.969	ug/l	96
94) Hexachlorobutadiene	15.01	225	5972	2.795	ug/l	96
95) Naphthalene	15.13	128	26132	2.597	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	10311	2.809	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

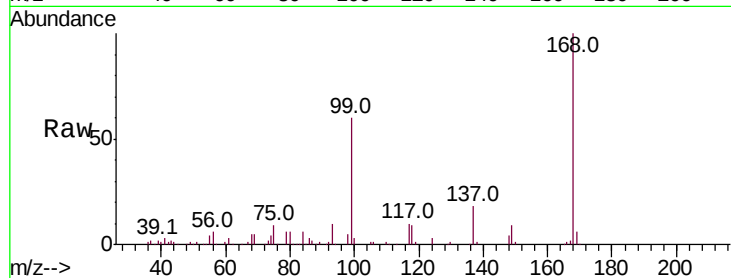
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 246423

Ion Ratio Lower Upper

168 100

99 59.9 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

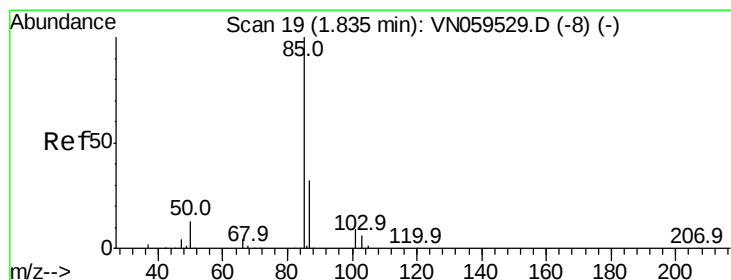
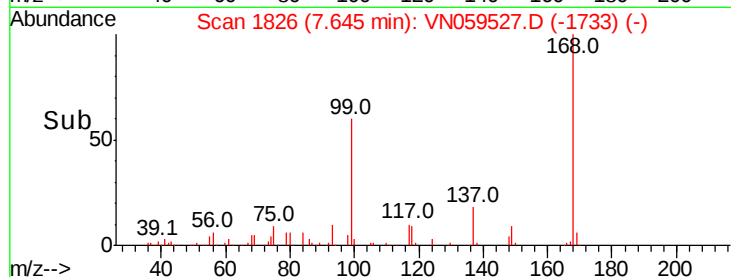
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.050 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059527.D

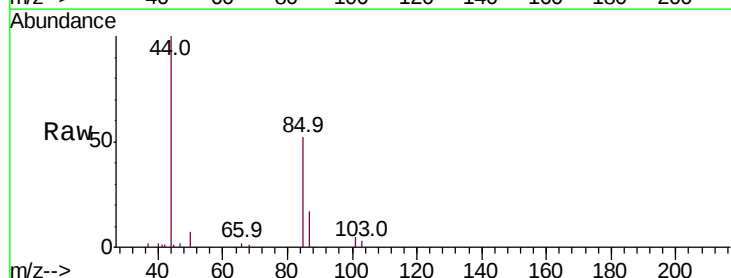
Acq: 9 Dec 2019 15:08

Tgt Ion: 85 Resp: 10983

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

8000

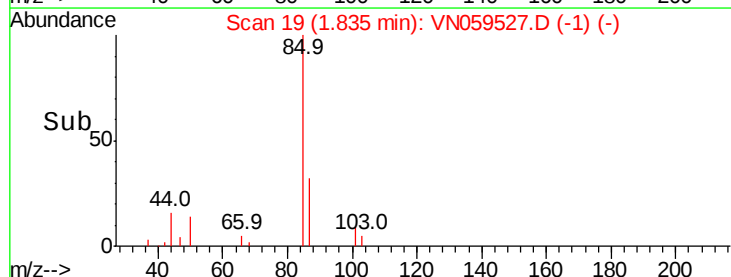
6000

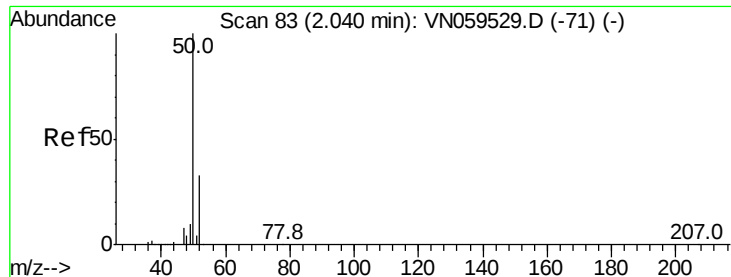
4000

2000

0

Time-->





#3

Chloromethane

Concen: 4.602 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

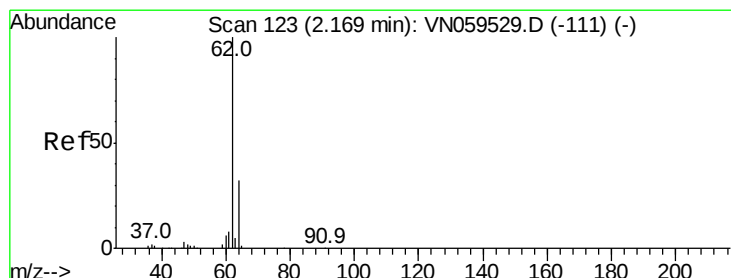
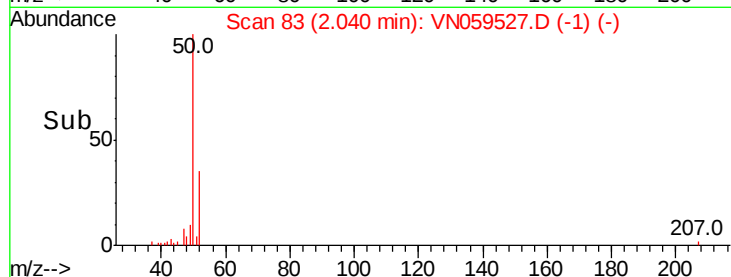
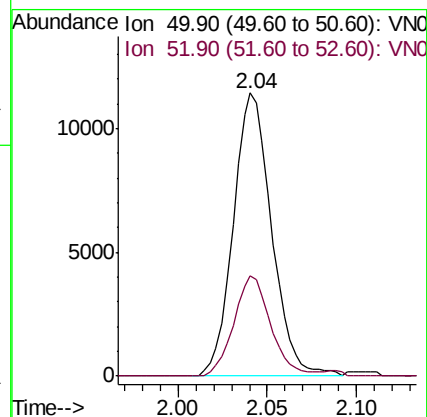
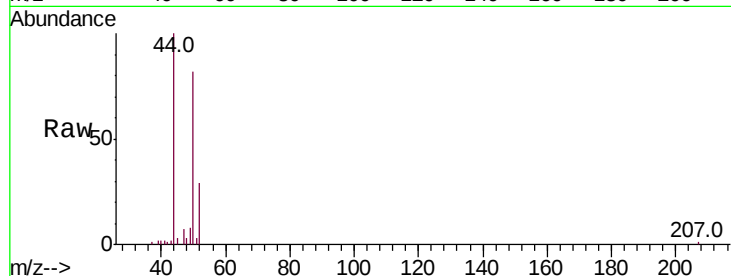
ClientSampled :

Tot Ion: 50 Resp: 17033

Ion Ratio Lower Upper

50 100

52 35.4 26.2 39.4



#4

Vinyl Chloride

Concen: 5.887 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059527.D

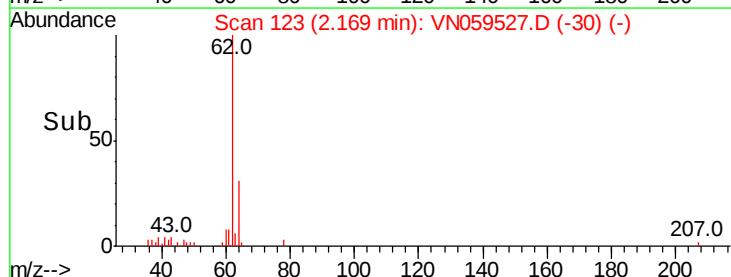
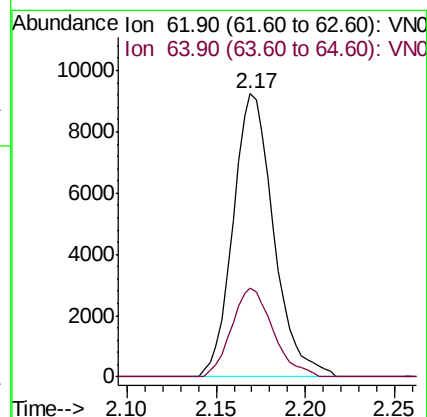
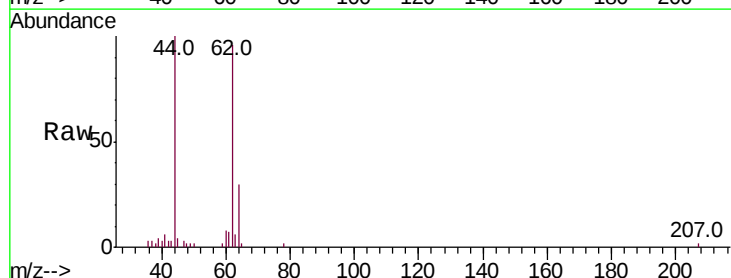
Acq: 9 Dec 2019 15:08

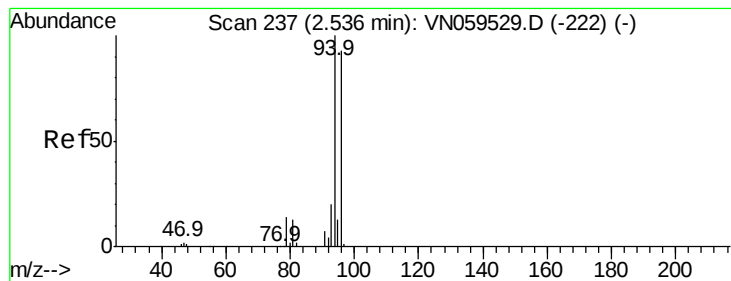
Tgt Ion: 62 Resp: 14685

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 5.816 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

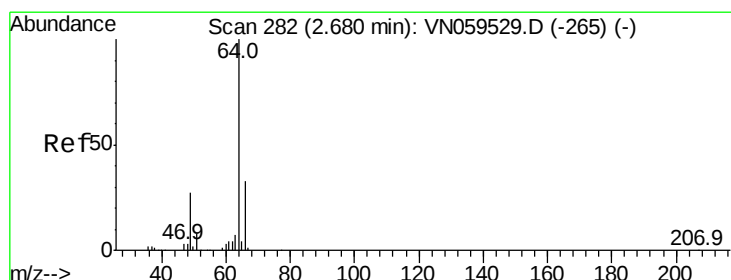
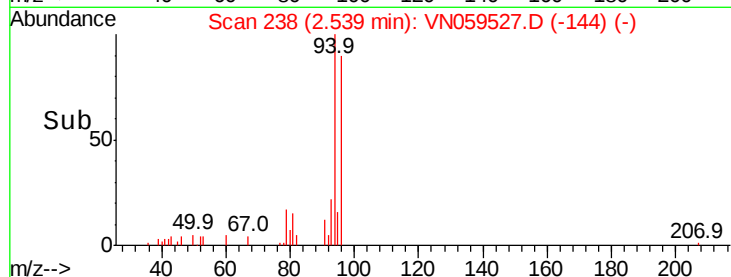
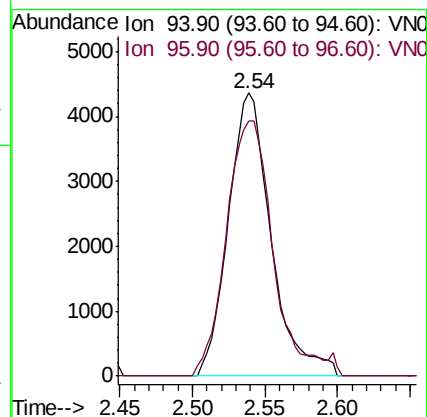
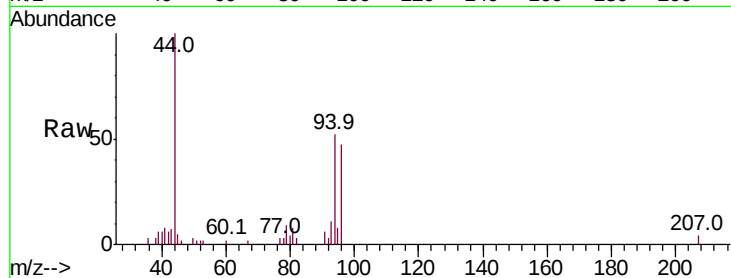
ClientSampleId :

Tot Ion: 94 Resp: 8928

Ion Ratio Lower Upper

94 100

96 90.2 74.6 112.0



#6

Chloroethane

Concen: 5.954 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059527.D

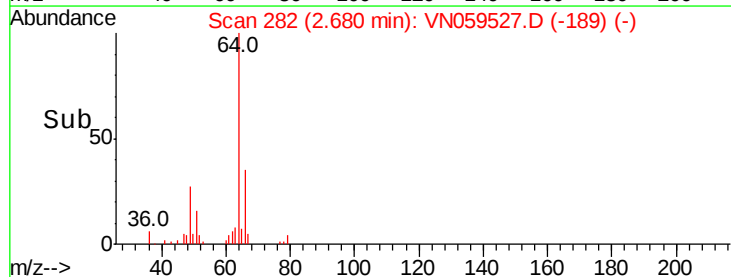
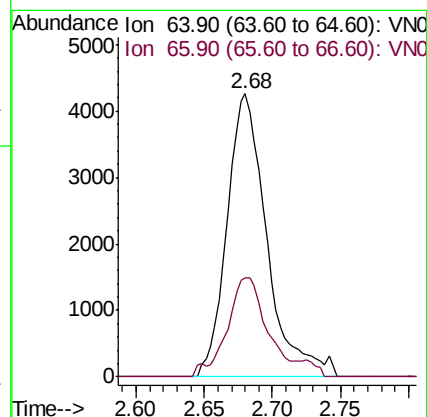
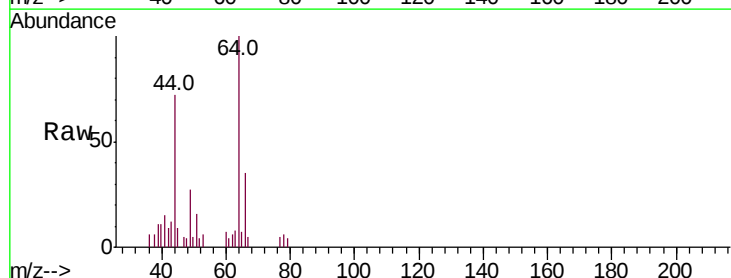
Acq: 9 Dec 2019 15:08

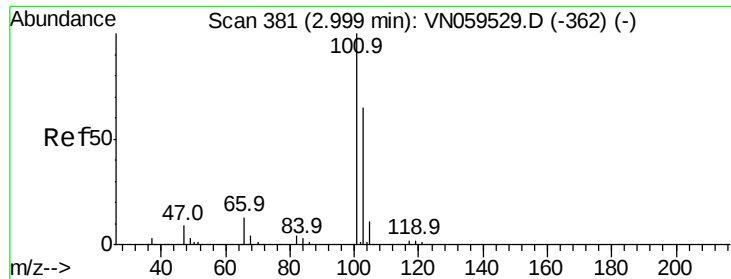
Tgt Ion: 64 Resp: 8677

Ion Ratio Lower Upper

64 100

66 35.0 26.7 40.1



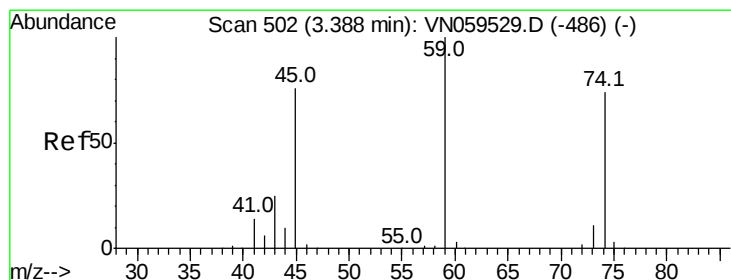
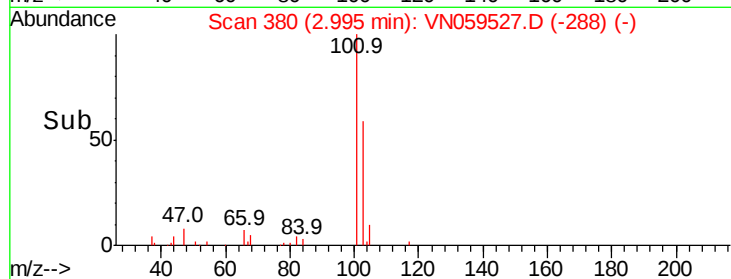
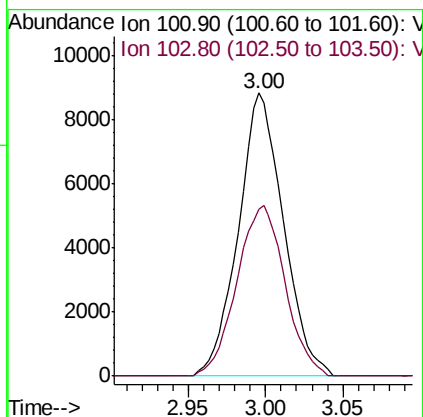
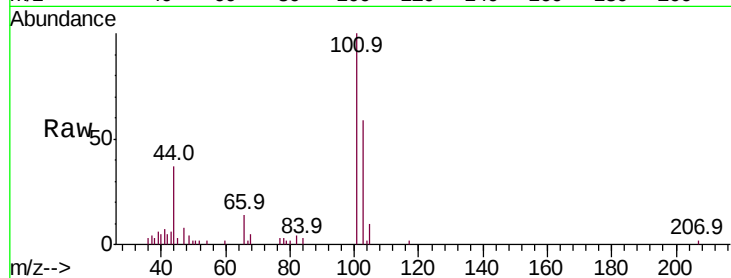


#7

Trichlorofluoromethane
 Concen: 6.023 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :

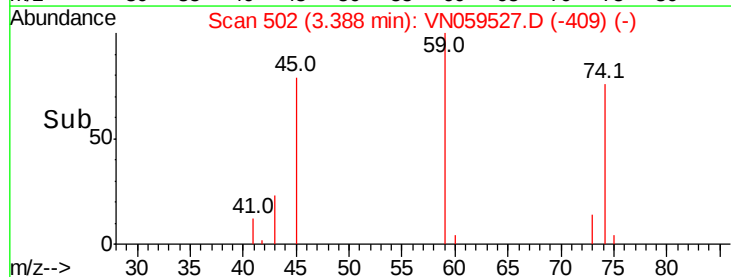
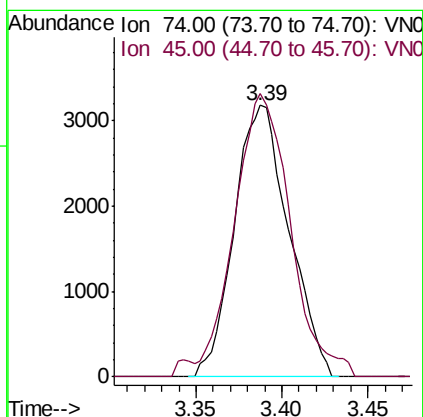
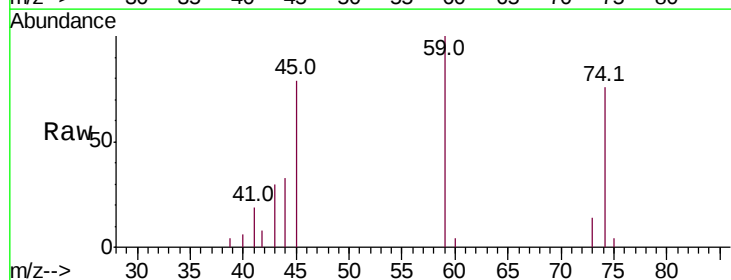
Tot Ion:101 Resp: 17918
 Ion Ratio Lower Upper
 101 100
 103 58.9 52.2 78.4

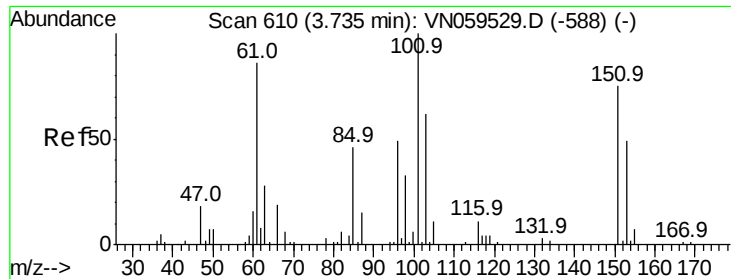


#8

Diethyl Ether
 Concen: 4.159 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion: 74 Resp: 7016
 Ion Ratio Lower Upper
 74 100
 45 106.8 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.088 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

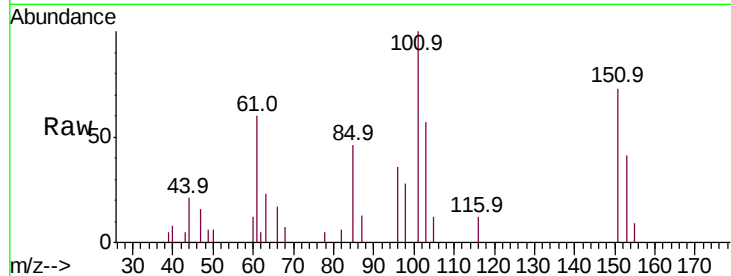
Tot Ion:101 Resp: 10454

Ion Ratio Lower Upper

101 100

85 42.8 36.6 54.8

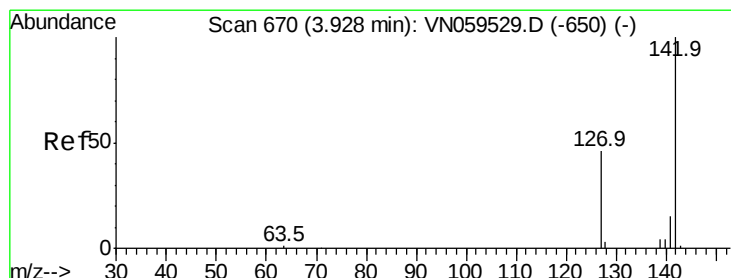
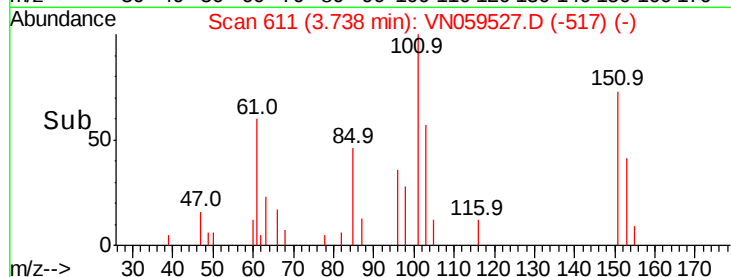
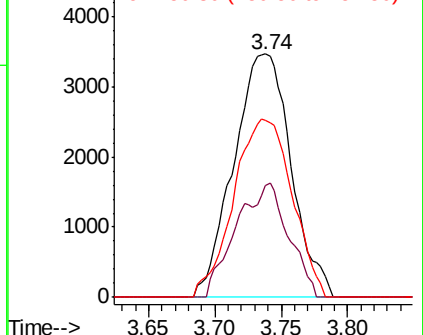
151 74.5 59.3 88.9



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: 3.208 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

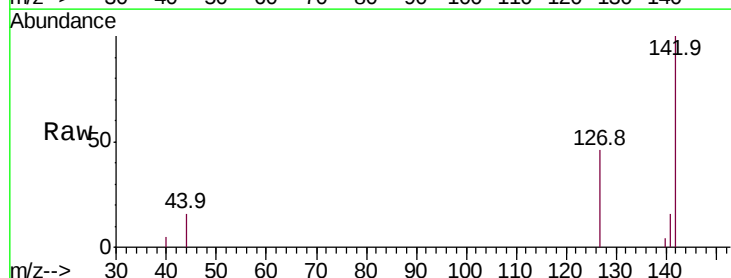
Tgt Ion:142 Resp: 10295

Ion Ratio Lower Upper

142 100

127 47.3 36.6 54.8

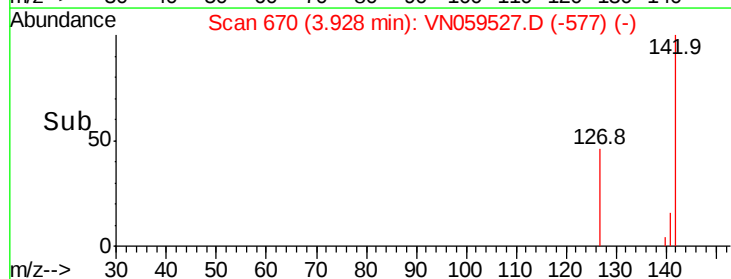
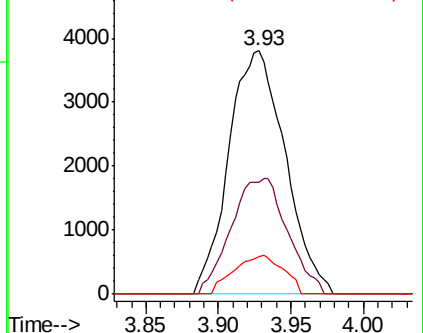
141 13.8 11.6 17.4

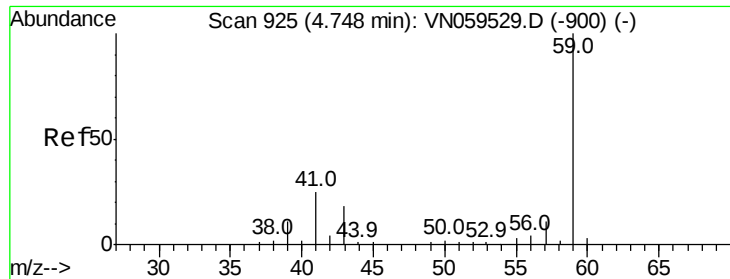


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

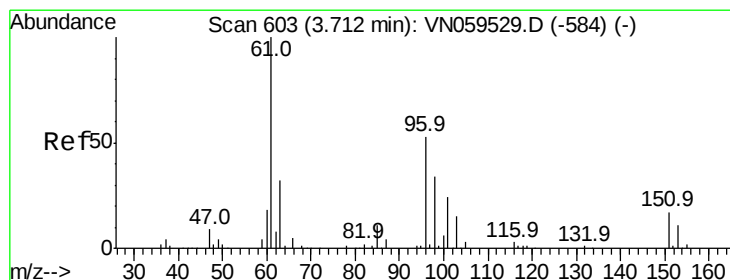
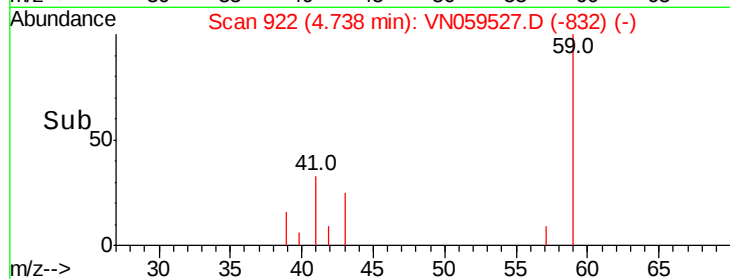
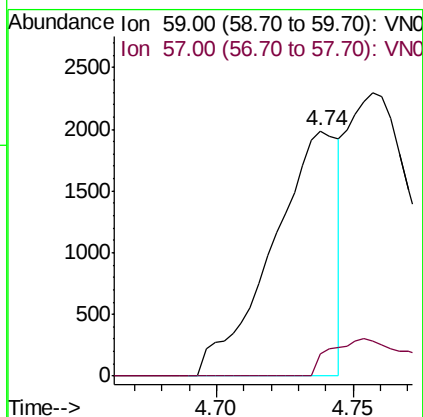
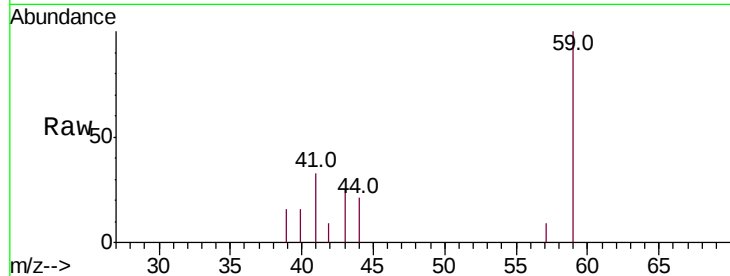




#11
Tert butyl alcohol
Concen: 5.957 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.01 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

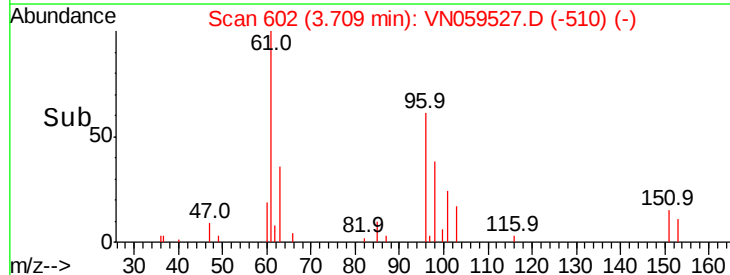
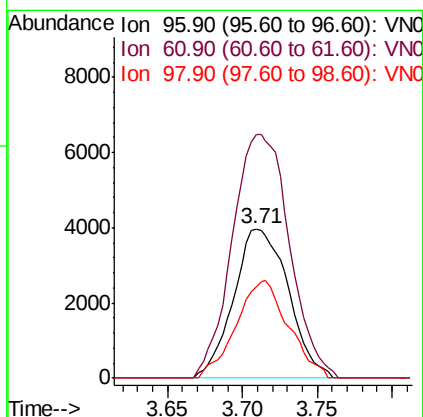
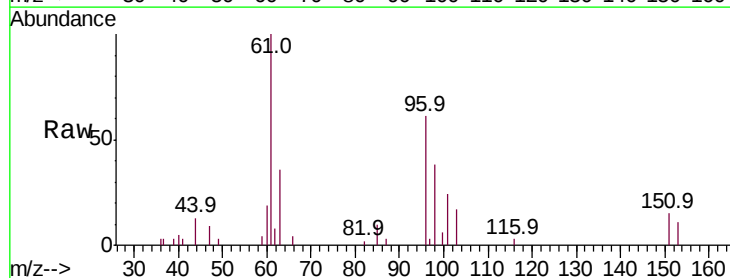
Instrument :
MSVOA_N
ClientSampled :

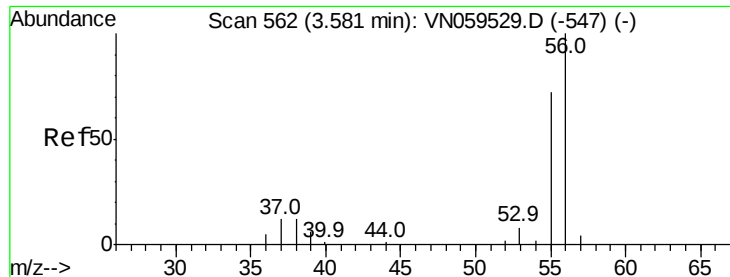
Tot Ion: 59 Resp: 3334
Ion Ratio Lower Upper
59 100
57 17.3 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 4.075 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 96 Resp: 10109
Ion Ratio Lower Upper
96 100
61 163.4 149.8 224.6
98 61.5 50.6 75.8





#13

Acrolein

Concen: 11.763 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

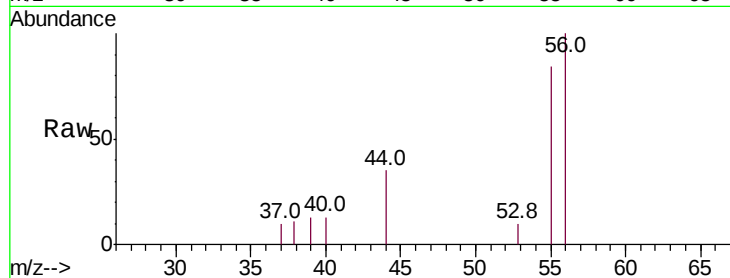
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 5064

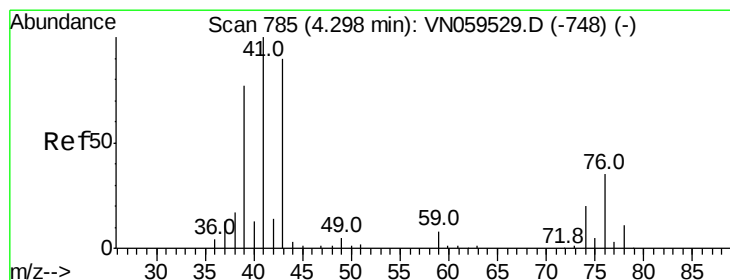
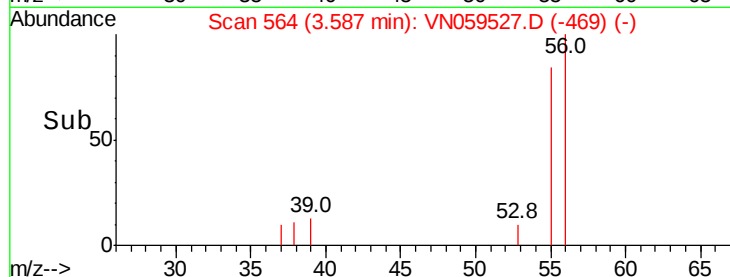
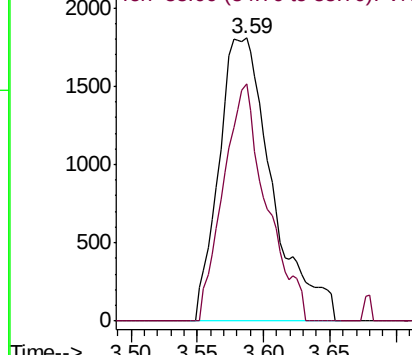
Ion Ratio Lower Upper

56 100

55 67.8 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 3.266 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

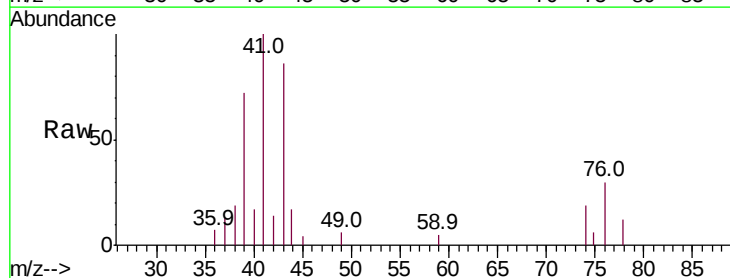
Tgt Ion: 41 Resp: 16092

Ion Ratio Lower Upper

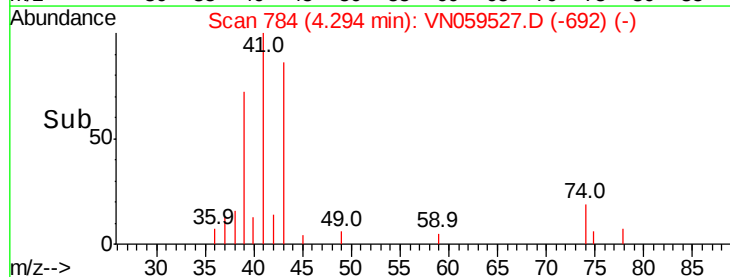
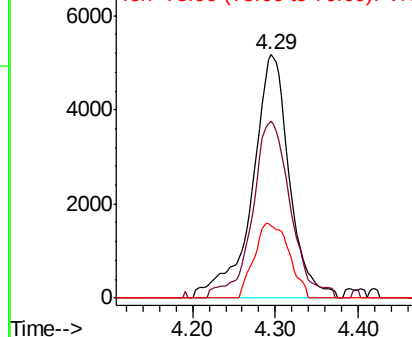
41 100

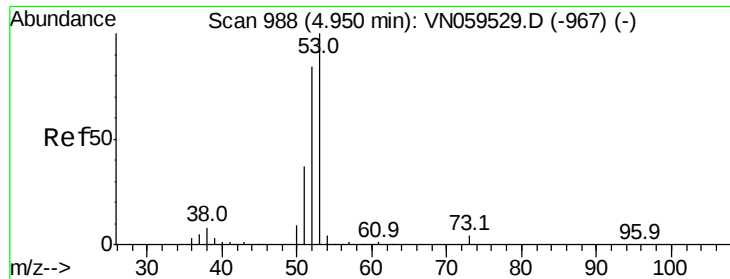
39 74.5 56.7 85.1

76 28.6 25.5 38.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 14.330 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :

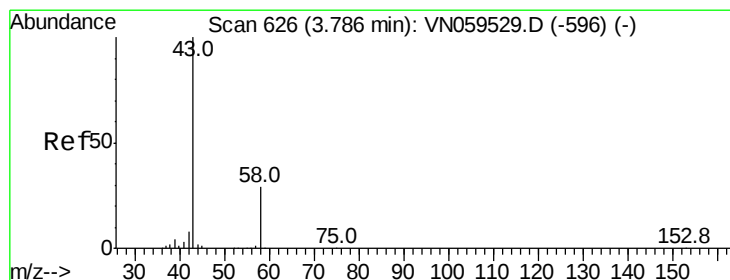
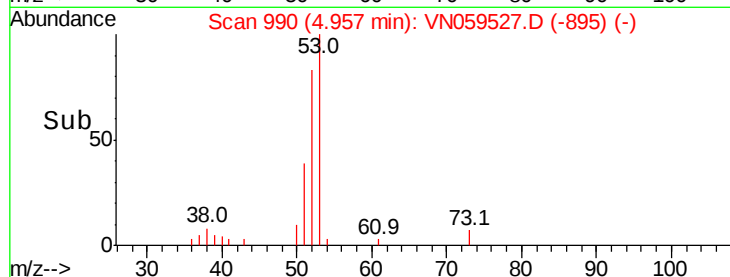
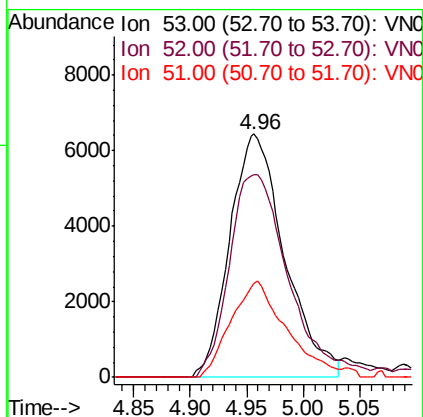
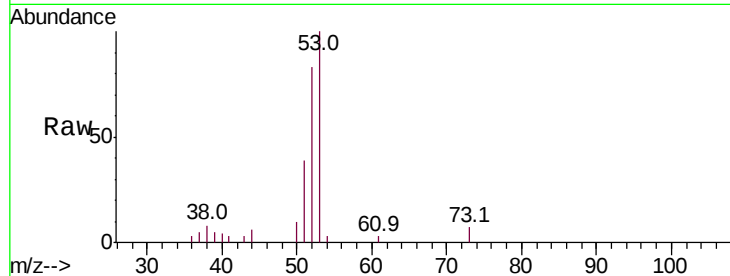
Tot Ion: 53 Resp: 21730

Ion Ratio Lower Upper

53 100

52 89.8 66.6 99.8

51 39.9 29.8 44.8



#16

Acetone

Concen: 15.670 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059527.D

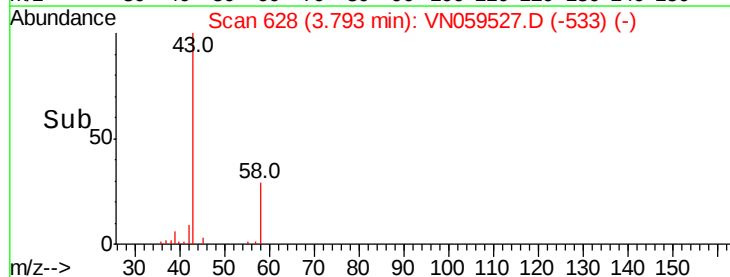
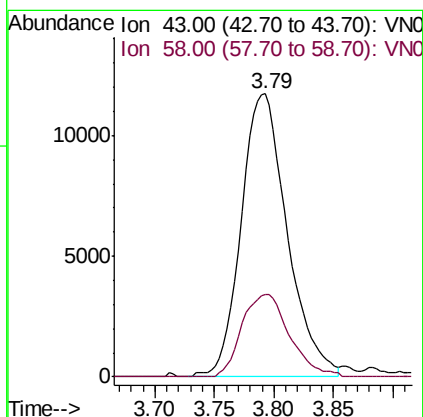
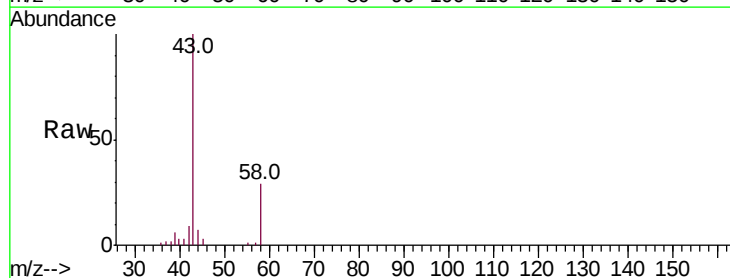
Acq: 9 Dec 2019 15:08

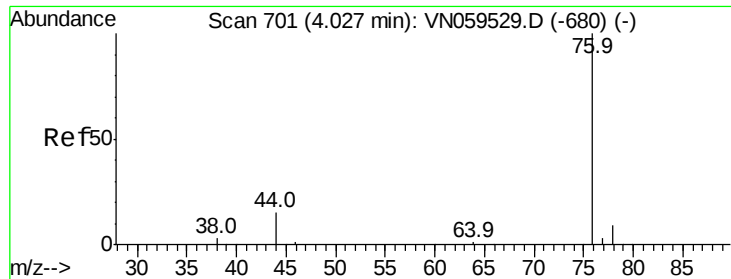
Tgt Ion: 43 Resp: 31507

Ion Ratio Lower Upper

43 100

58 27.8 23.0 34.4

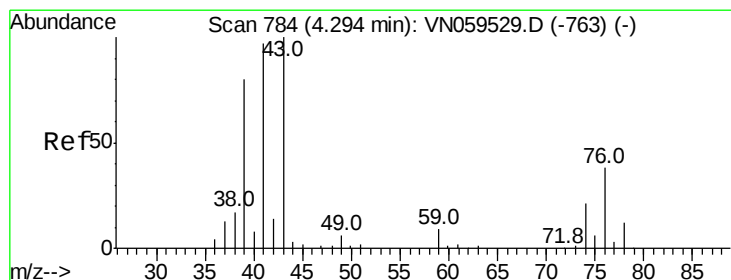
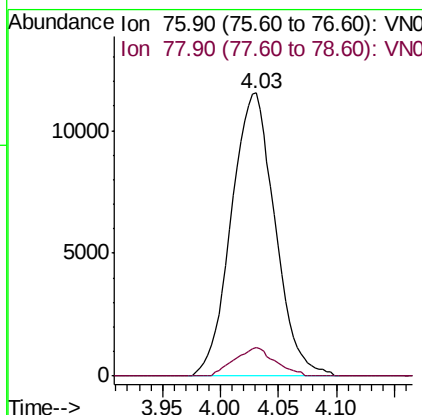
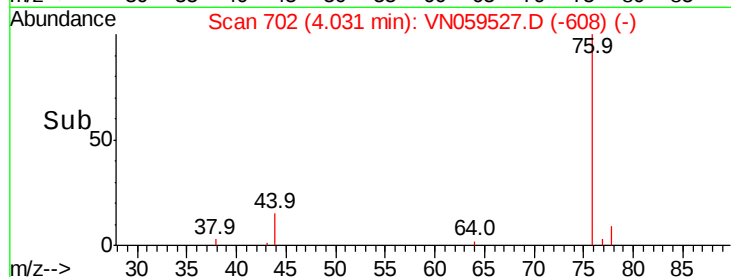
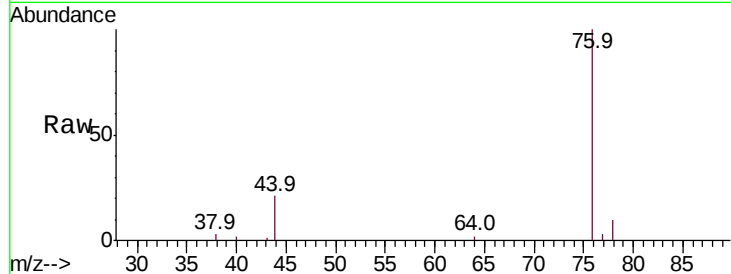




#17
Carbon Disulfide
Concen: 3.537 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

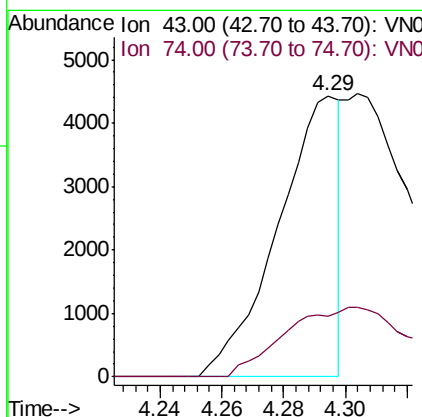
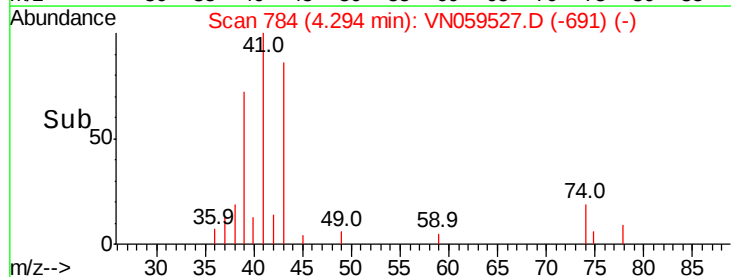
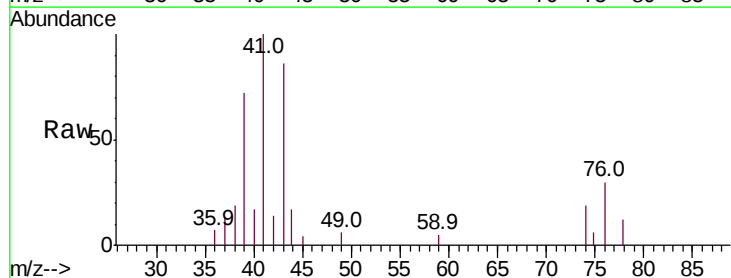
Instrument :
MSVOA_N
ClientSampled :

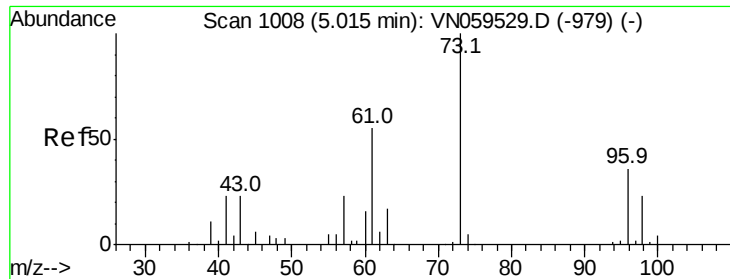
Tot Ion: 76 Resp: 30165
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2



#18
Methyl Acetate
Concen: 1.520 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 43 Resp: 6128
Ion Ratio Lower Upper
43 100
74 50.6 17.5 26.3#

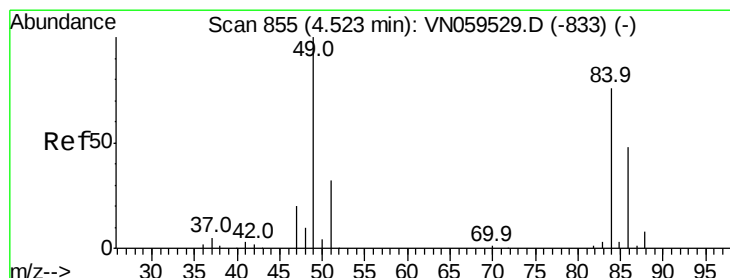
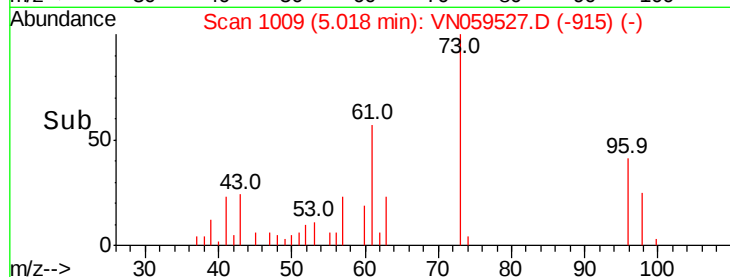
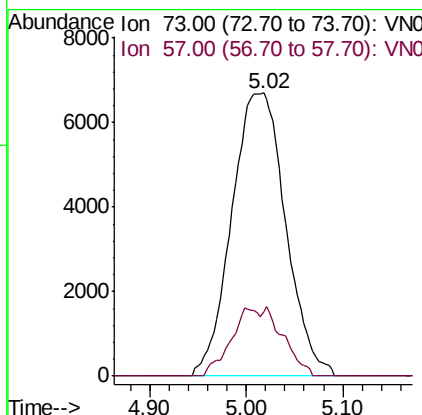
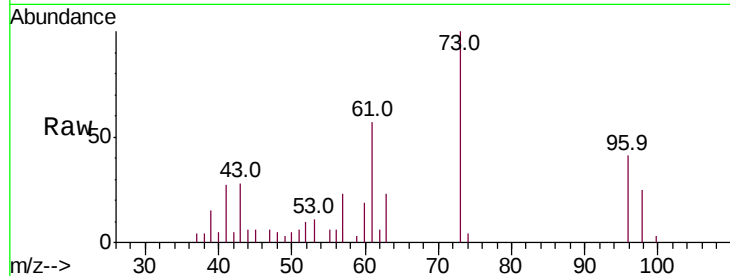




#19
Methvl tert-butvl Ether
Concen: 3.037 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

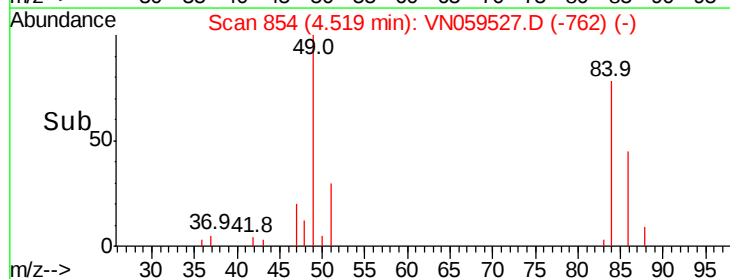
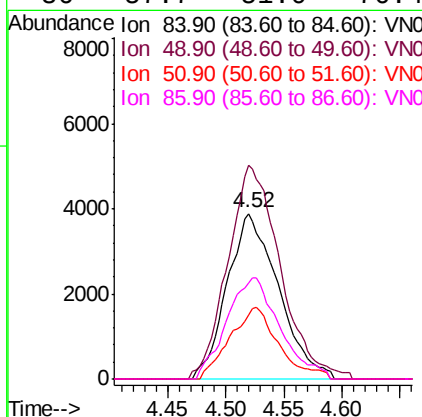
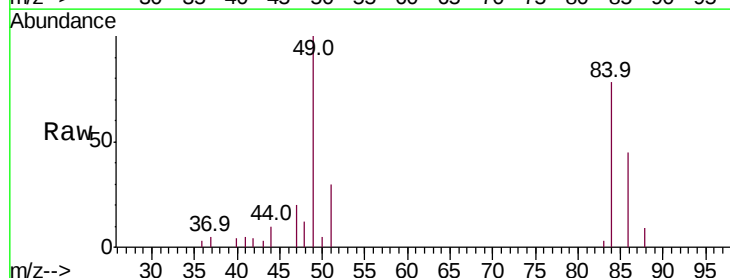
Instrument :
MSVOA_N
ClientSampleId :

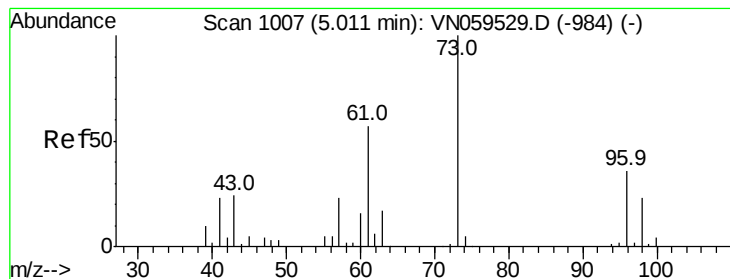
Tot Ion: 73 Resp: 25923
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5



#20
Methylene Chloride
Concen: 3.777 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 84 Resp: 11930
Ion Ratio Lower Upper
84 100
49 128.9 105.8 158.8
51 38.7 33.7 50.5
86 57.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 3.154 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampled :

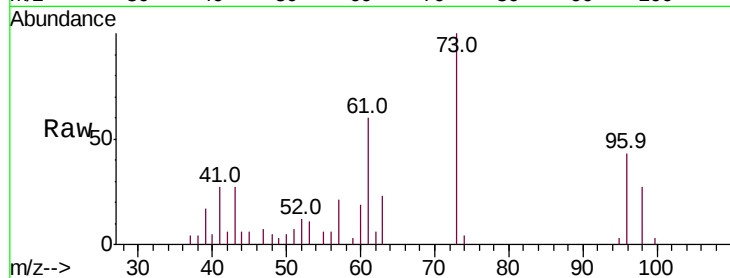
Tot Ion: 96 Resp: 8805

Ion Ratio Lower Upper

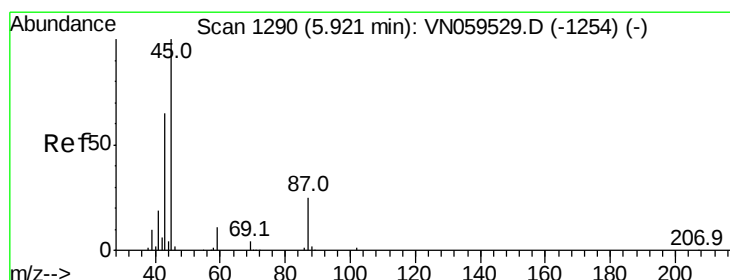
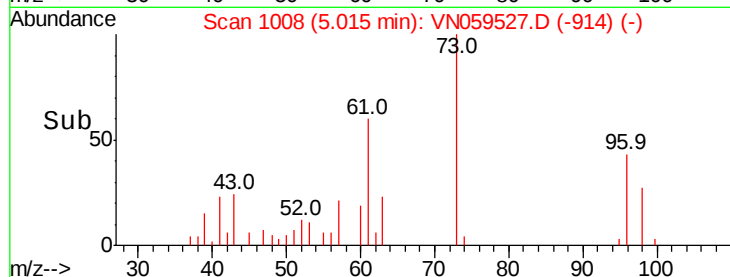
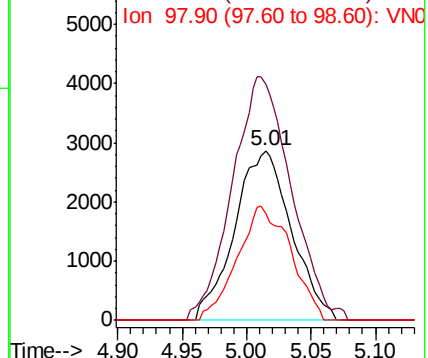
96 100

61 132.6 124.8 187.2

98 62.8 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: 3.021 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion: 45 Resp: 27756

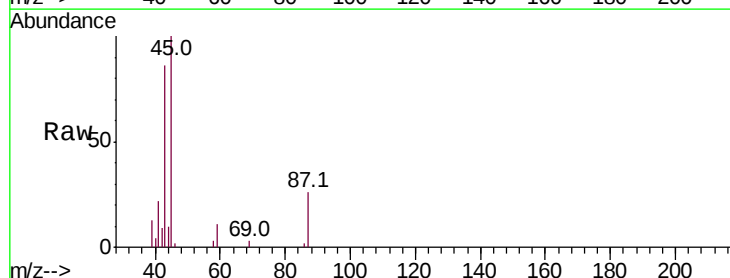
Ion Ratio Lower Upper

45 100

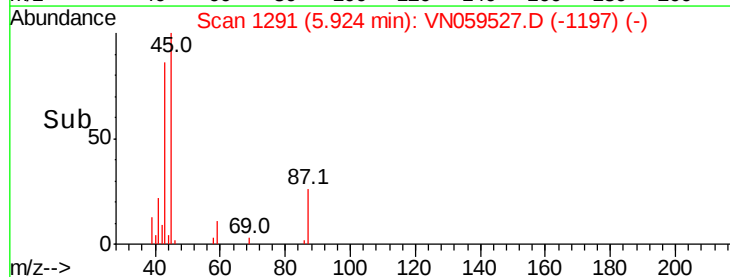
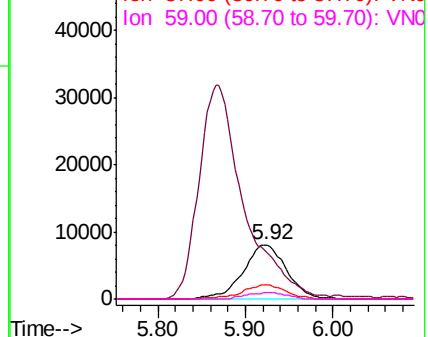
43 79.1 52.8 79.2

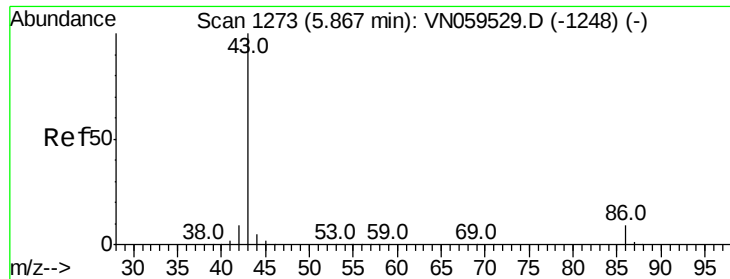
87 26.0 20.2 30.4

59 11.1 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: 15.350 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

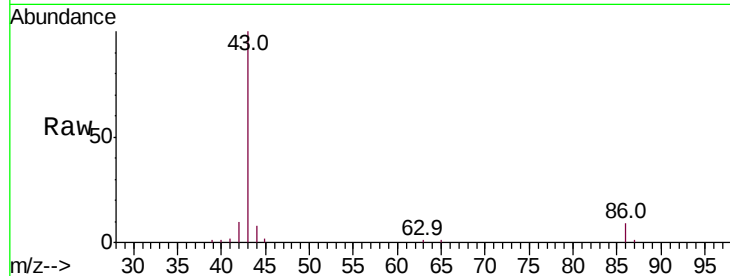
ClientSampleId :

Tot Ion: 43 Resp: 113700

Ion Ratio Lower Upper

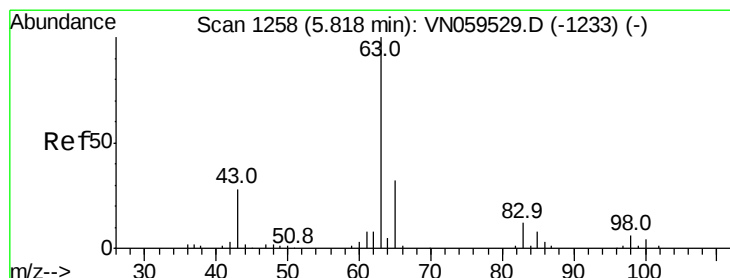
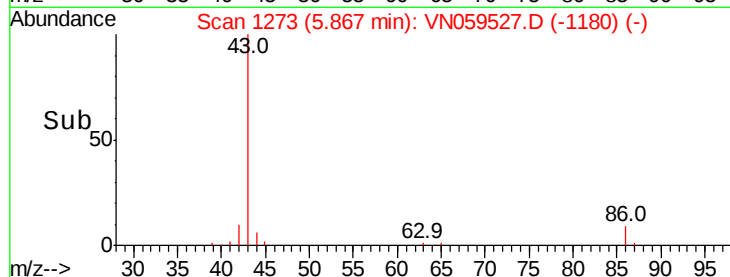
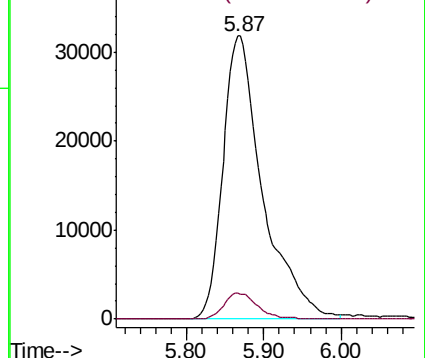
43 100

86 9.1 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: 3.444 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

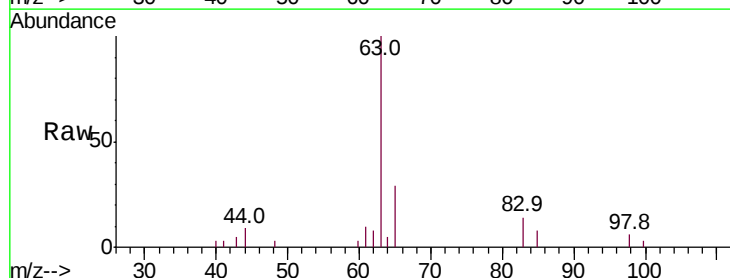
Tgt Ion: 63 Resp: 17950

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

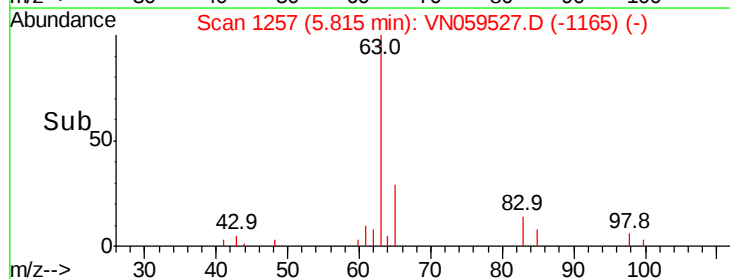
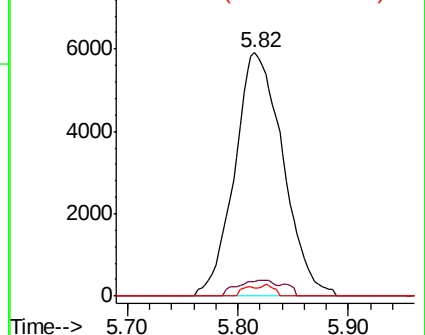
100 3.3 1.8 5.3

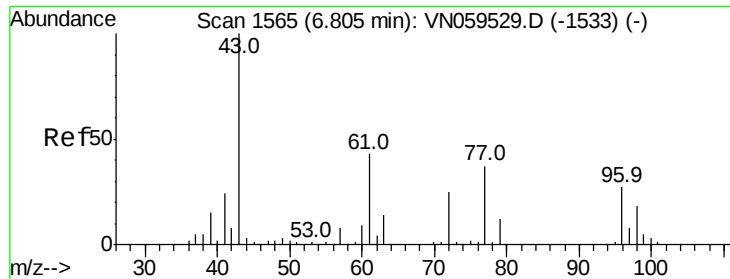


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

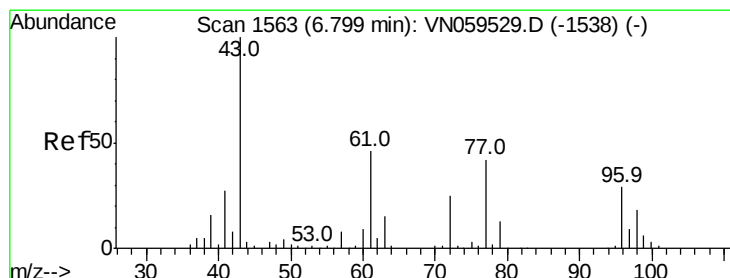
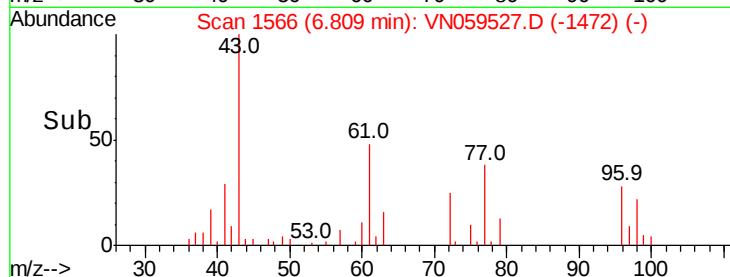
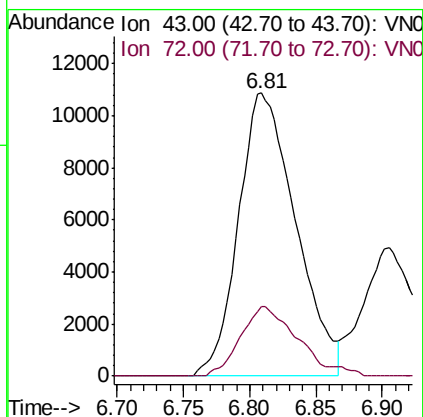
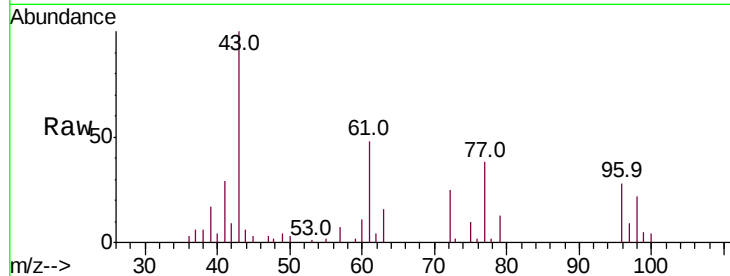




#25
2-Butanone
Concen: 14.392 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

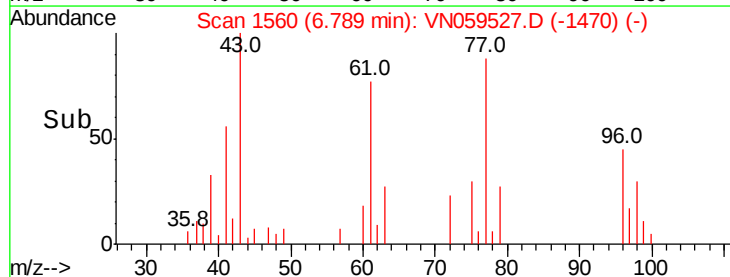
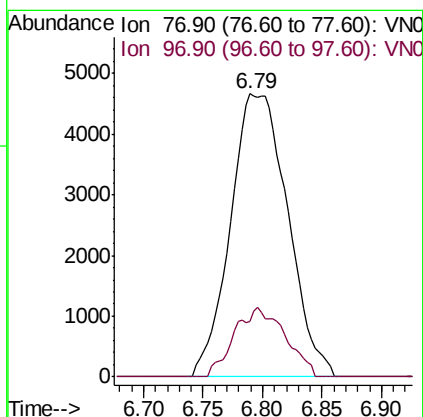
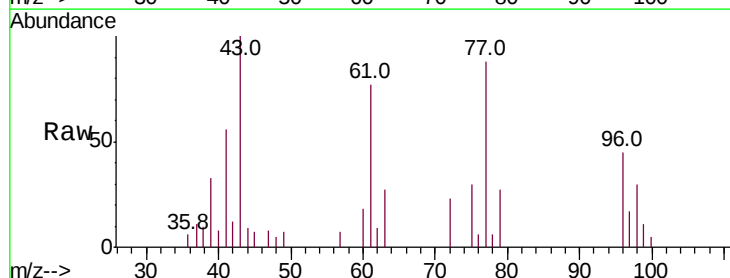
Instrument :
MSVOA_N
ClientSampled :

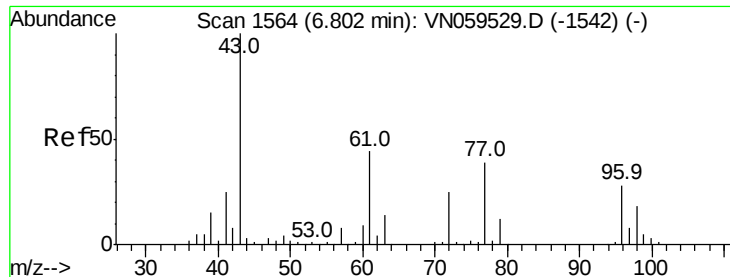
Tot Ion: 43 Resp: 32716
Ion Ratio Lower Upper
43 100
72 24.5 19.9 29.9



#26
2,2-Dichloropropane
Concen: 3.414 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 77 Resp: 15534
Ion Ratio Lower Upper
77 100
97 21.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 3.032 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

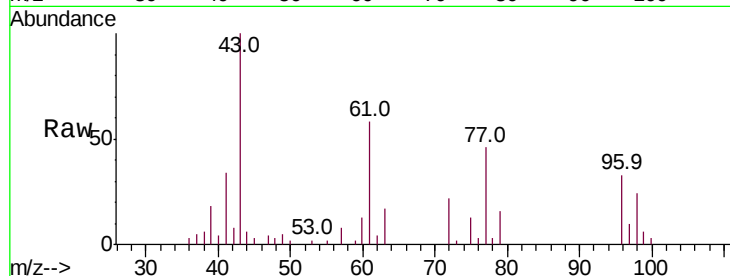
Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 9421

Ion	Ratio	Lower	Upper
96	100		
61	165.4	0.0	320.0
98	68.9	0.0	128.6

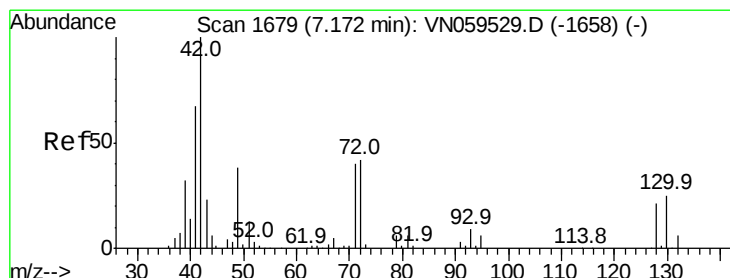
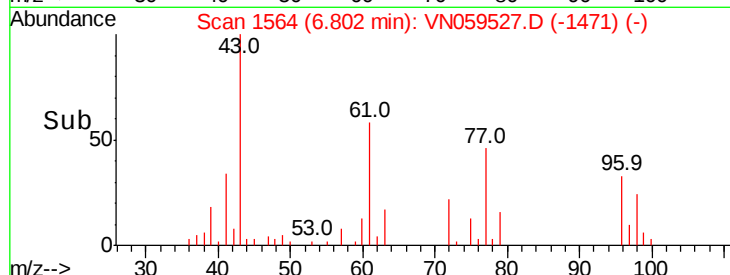
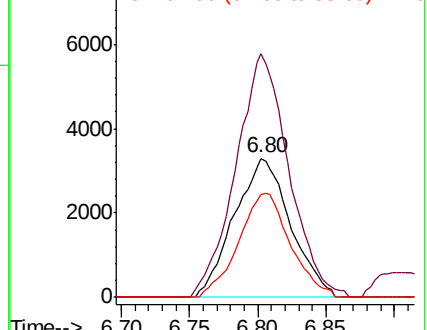


Abundance

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



#28

Bromochloromethane

Concen: 3.189 ug/l

RT: 7.18 min Scan# 1680

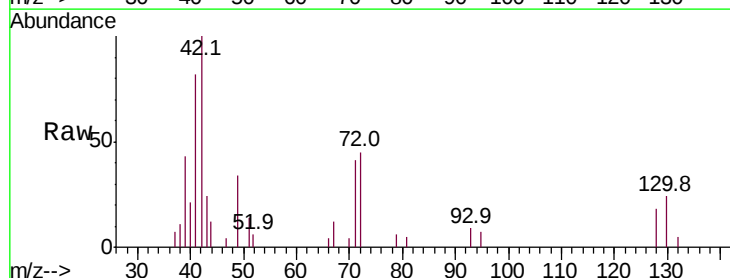
Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion: 49 Resp: 5295

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	66.5	54.2	81.2

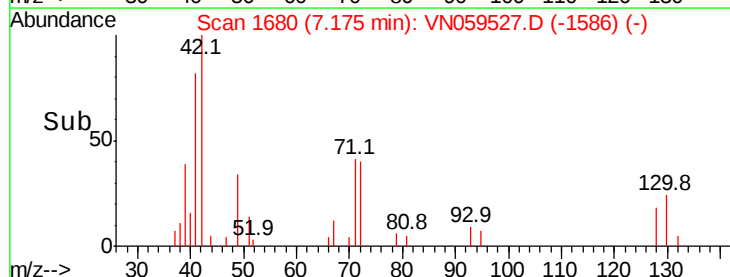
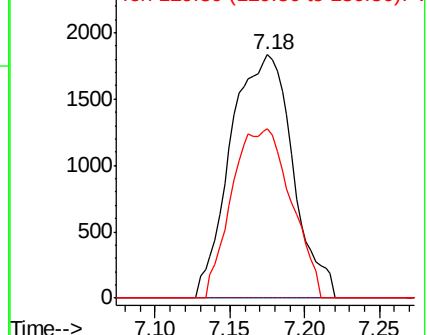


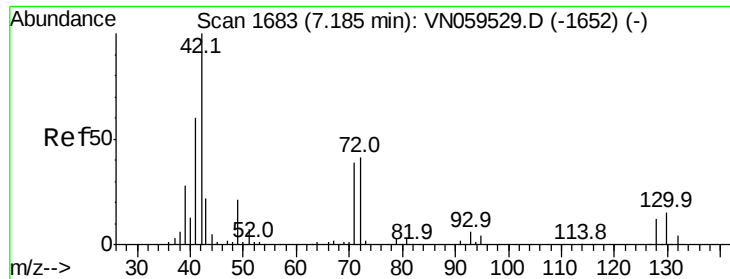
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 15.381 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampled :

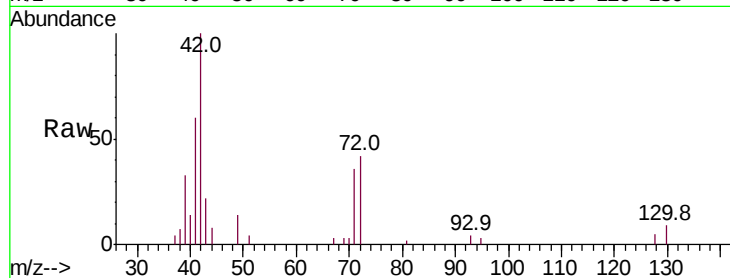
Tot Ion: 42 Resp: 22090

Ion Ratio Lower Upper

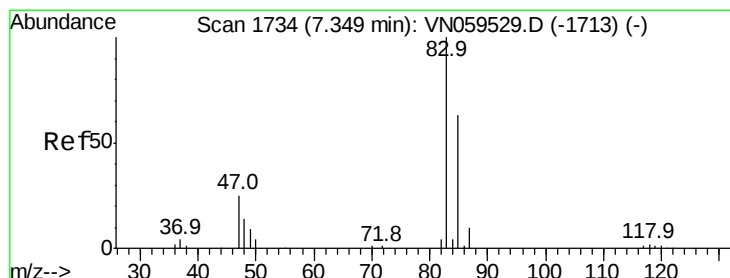
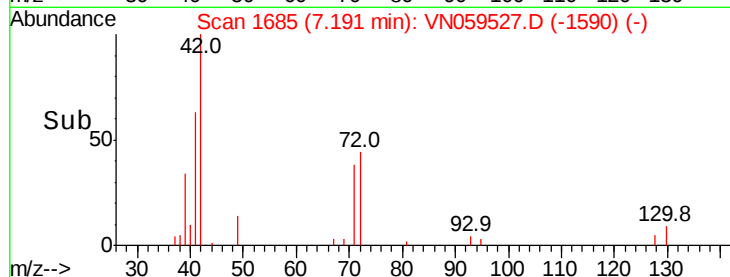
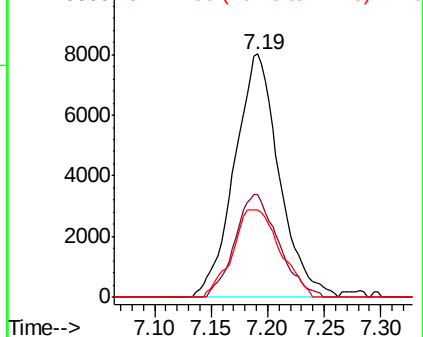
42 100

72 41.1 32.7 49.1

71 38.1 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: 3.252 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN059527.D

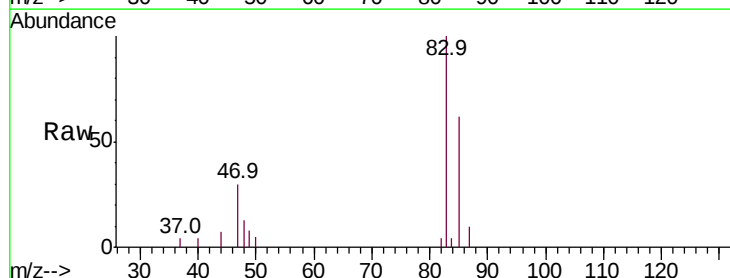
Acq: 9 Dec 2019 15:08

Tgt Ion: 83 Resp: 16489

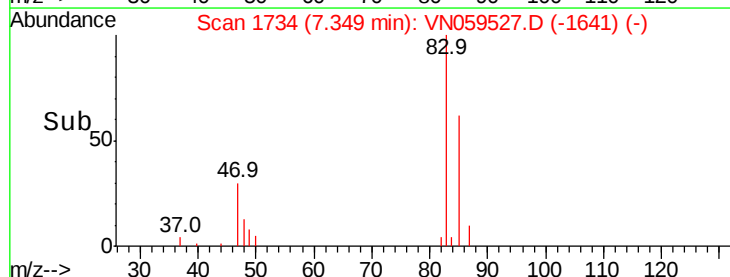
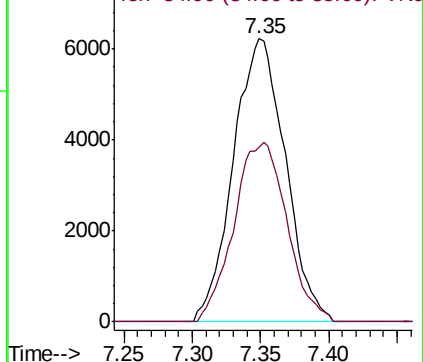
Ion Ratio Lower Upper

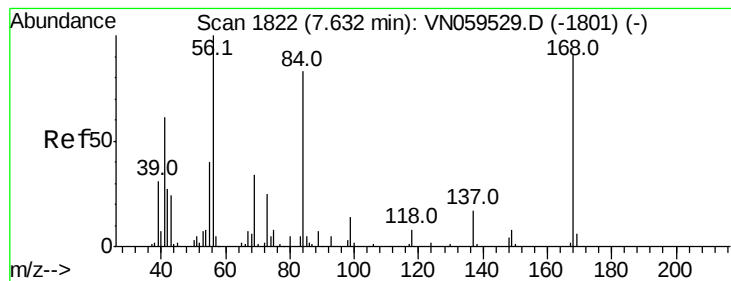
83 100

85 61.6 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 3.856 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

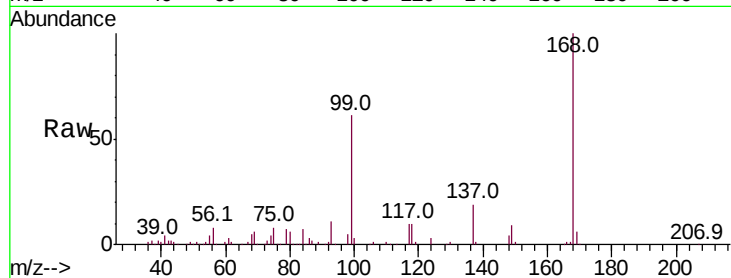
Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

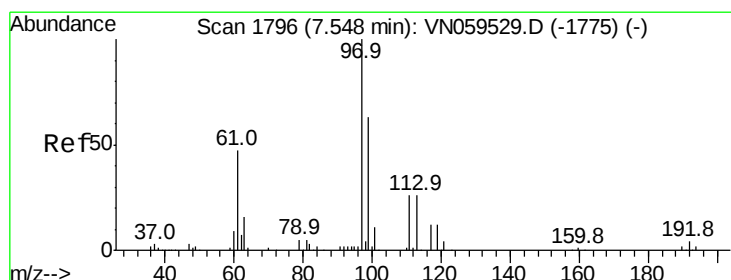
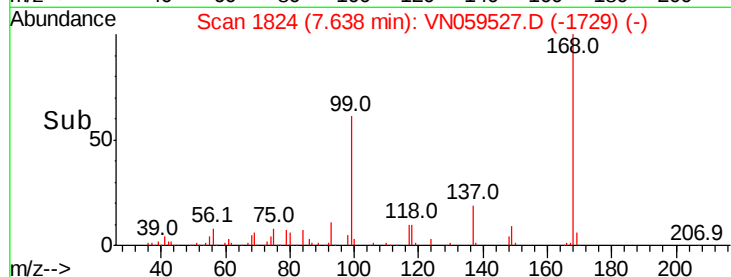
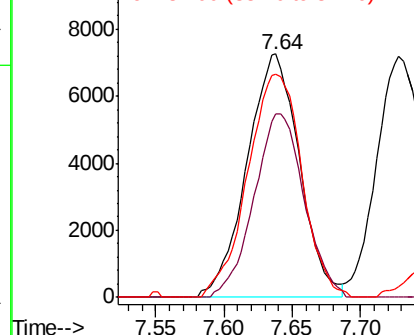
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 19346

Ion	Ratio	Lower	Upper
56	100		
69	75.4	26.9	40.3#
84	91.8	66.5	99.7



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



#32

1,1,1-Trichloroethane

Concen: 3.367 ug/l

RT: 7.54 min Scan# 1795

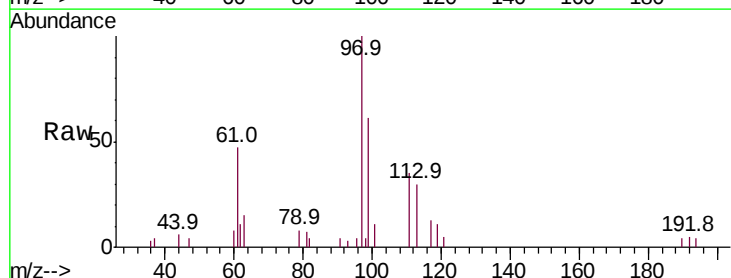
Delta R.T. -0.00 min

Lab File: VN059527.D

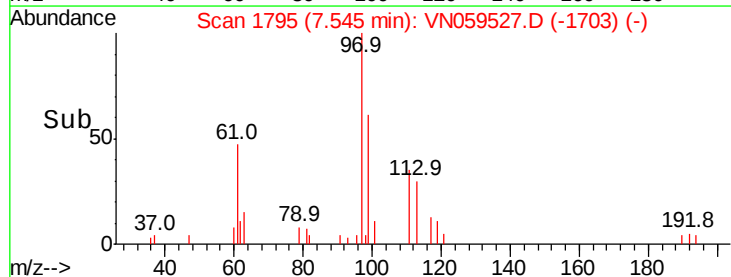
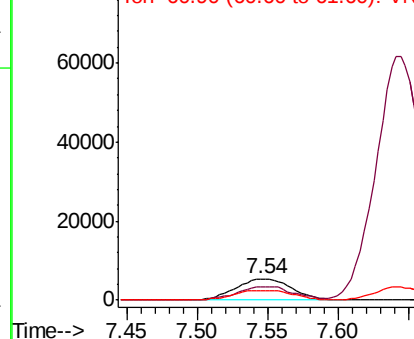
Acq: 9 Dec 2019 15:08

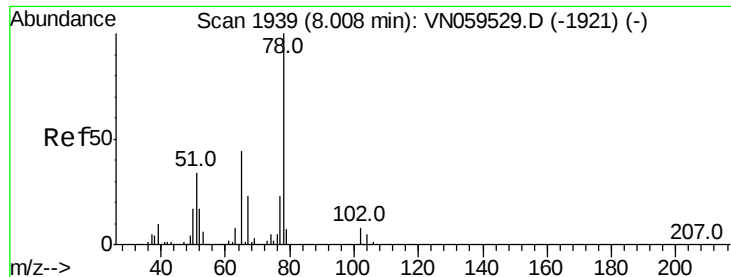
Tgt Ion: 97 Resp: 14889

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	49.2	38.5	57.7



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

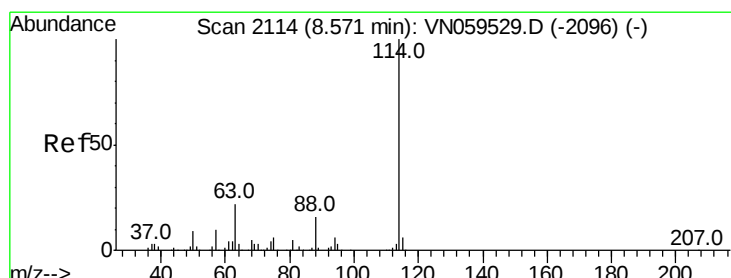
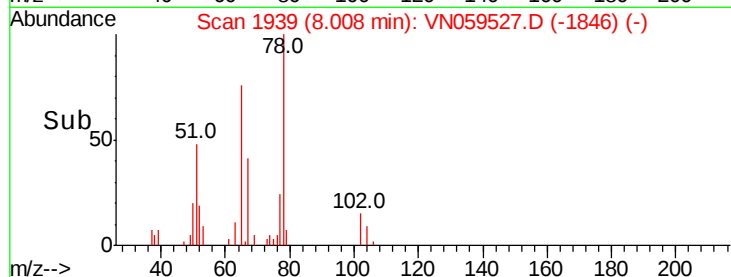
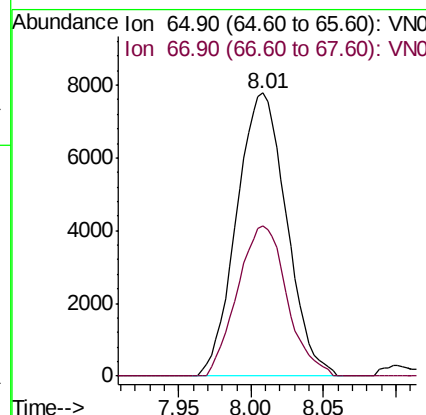
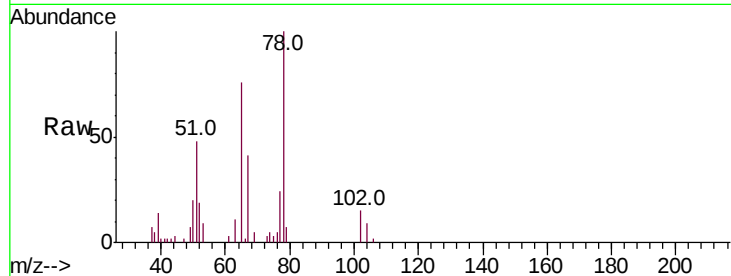




#33
 1,2-Dichloroethane-d4
 Concen: 6.083 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

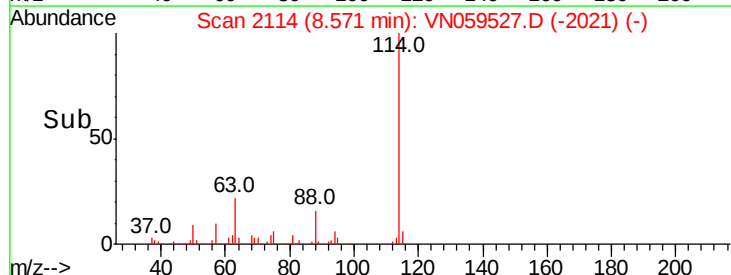
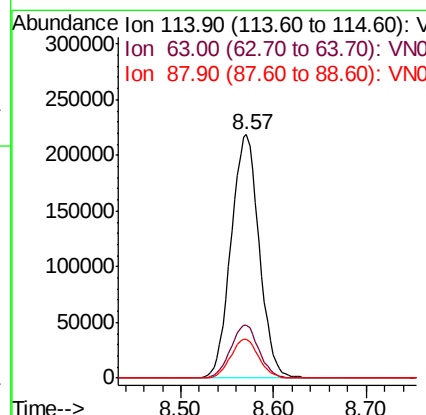
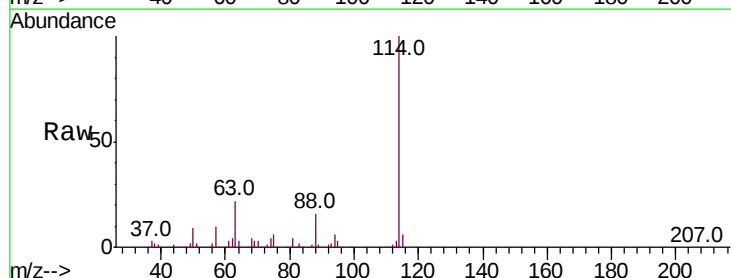
Instrument :
 MSVOA_N
 ClientSampleId :

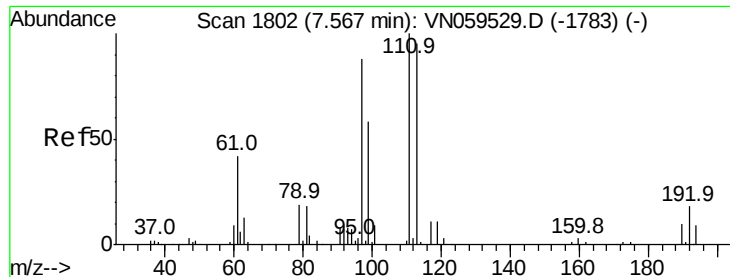
Tot Ion: 65 Resp: 18600
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion: 114 Resp: 459988
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.0
 88 15.8 0.0 32.2

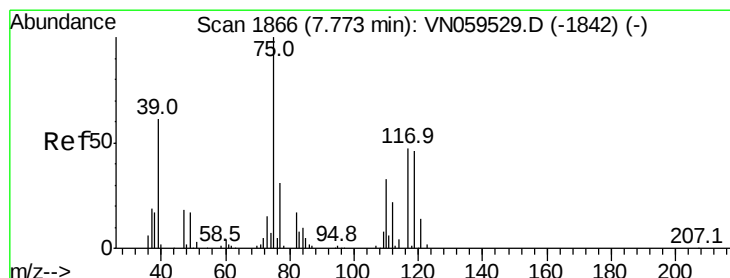
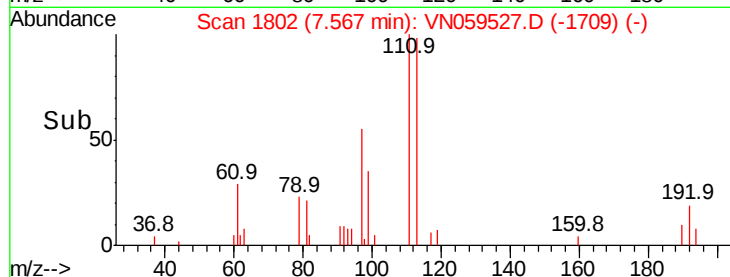
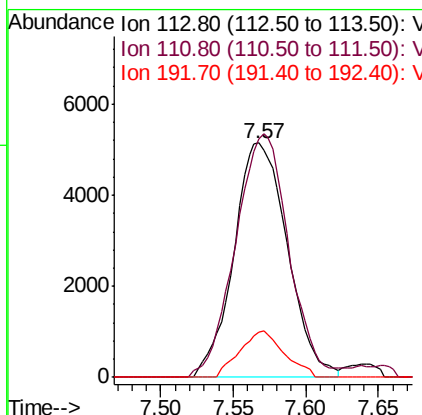
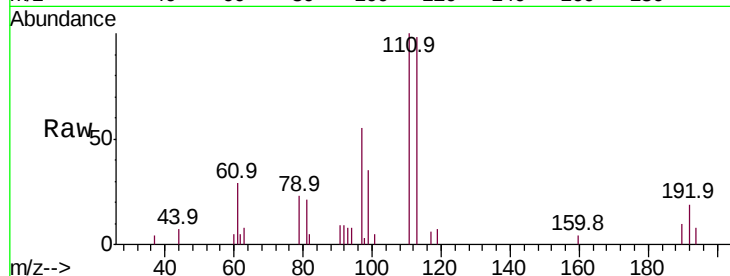




#35
 Dibromofluoromethane
 Concen: 4.733 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

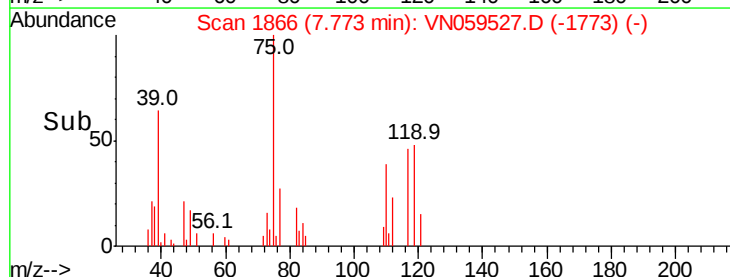
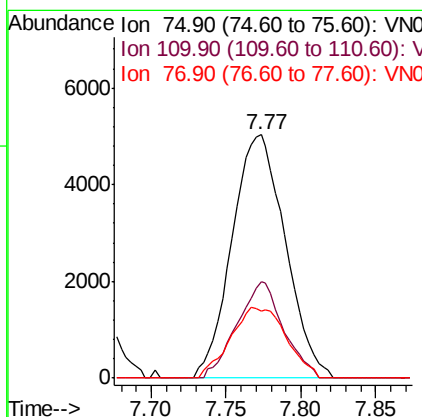
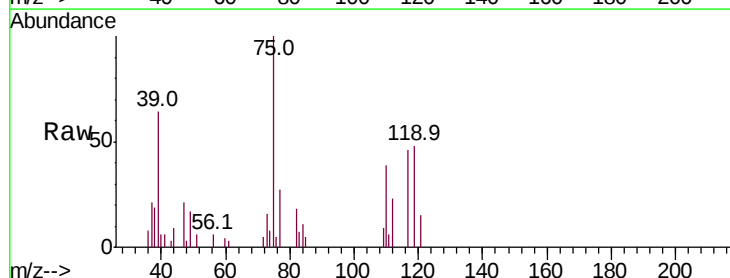
Instrument :
 MSVOA_N
 ClientSampled :

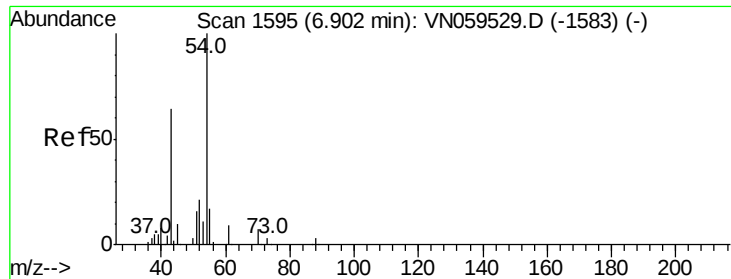
Tot Ion:113 Resp: 13237
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 16.4 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 2.661 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion: 75 Resp: 12476
 Ion Ratio Lower Upper
 75 100
 110 34.2 16.7 50.0
 77 30.5 24.6 37.0

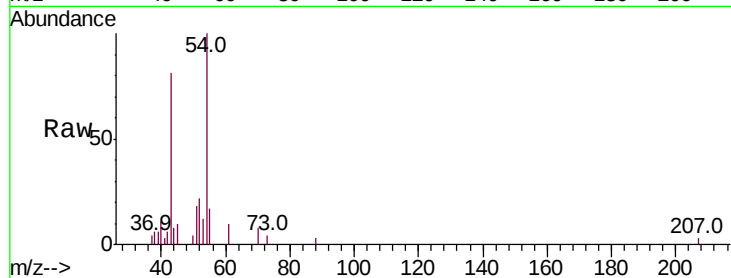




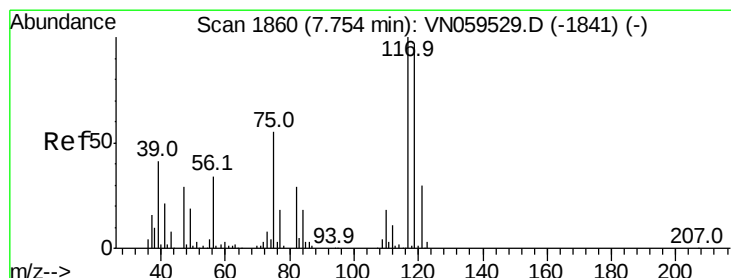
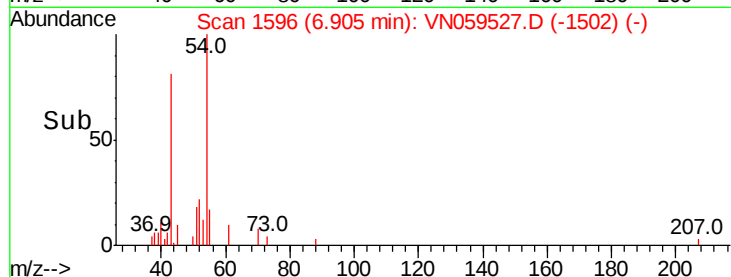
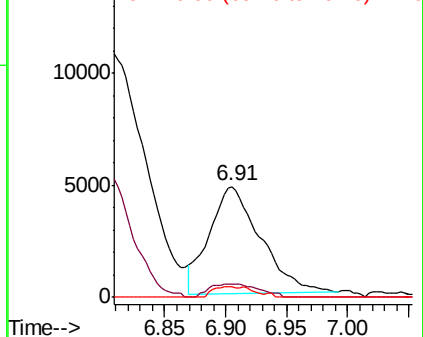
#37
Ethyl Acetate
Concen: 2.656 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 13915
Ion Ratio Lower Upper
43 100
61 12.3 11.0 16.6
70 8.1 7.7 11.5

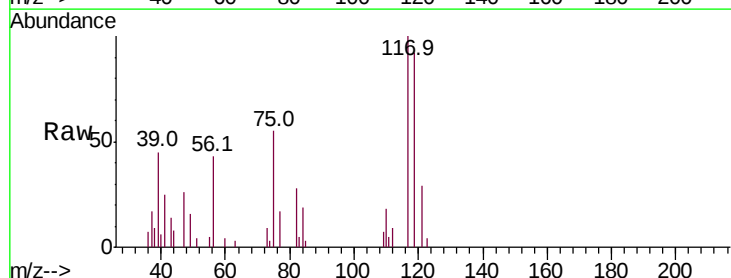


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

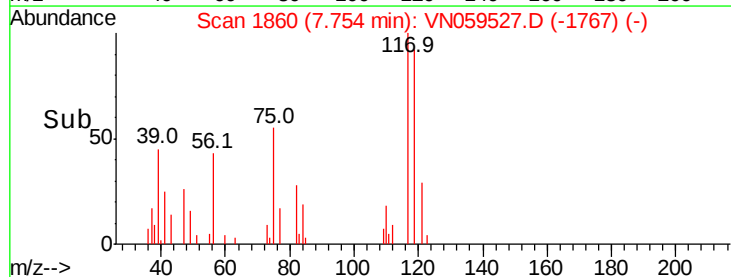
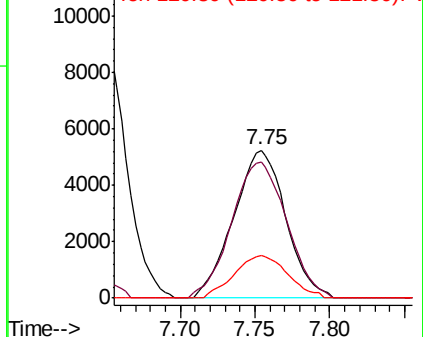


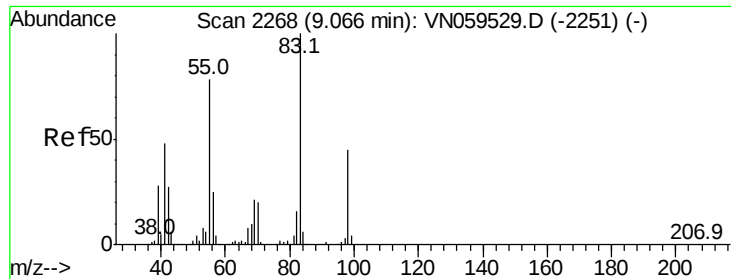
#38
Carbon Tetrachloride
Concen: 2.808 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 117 Resp: 12719
Ion Ratio Lower Upper
117 100
119 91.8 77.0 115.4
121 29.3 24.1 36.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

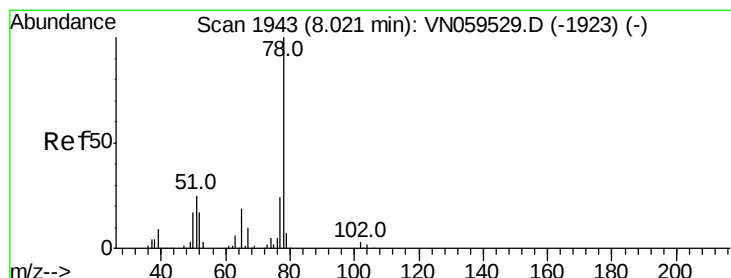
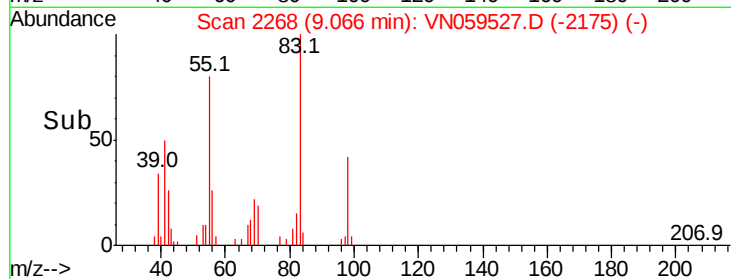
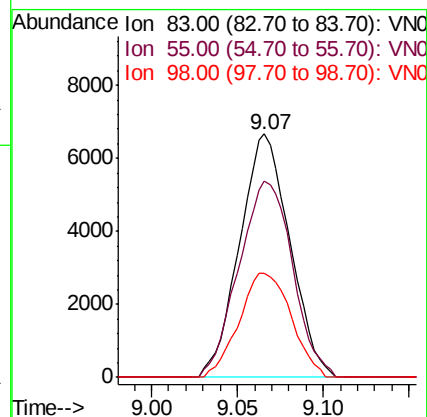
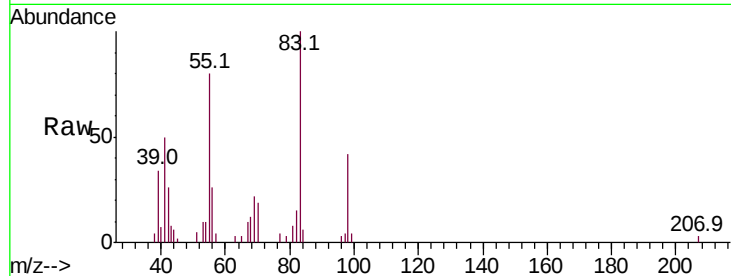




#39
Methvlcvclohexane
Concen: 2.411 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

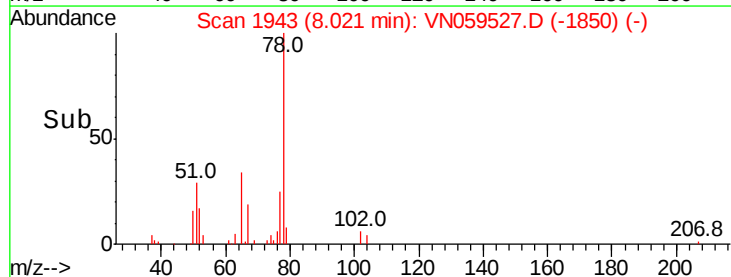
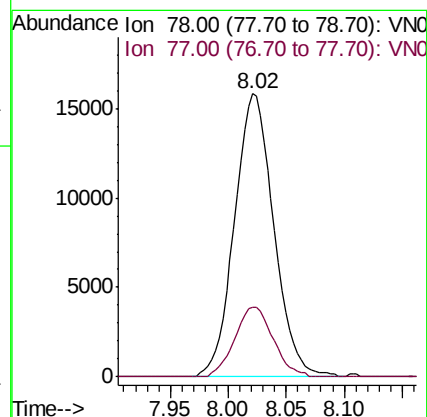
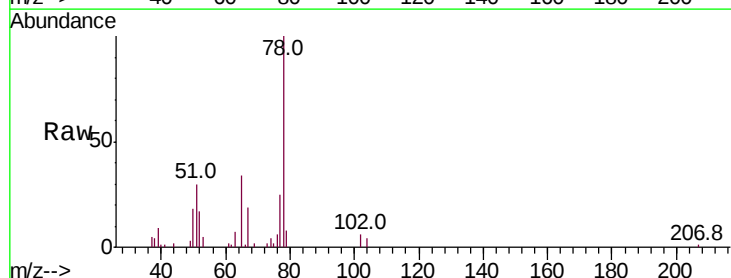
Instrument :
MSVOA_N
ClientSampleId :

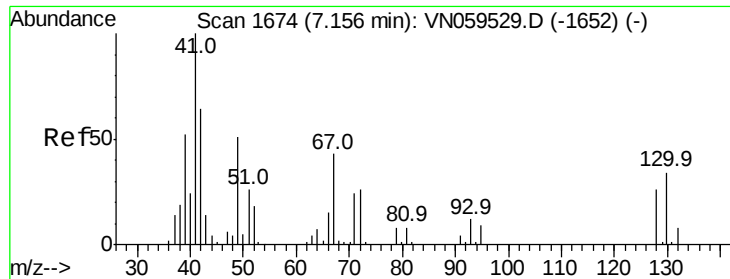
Tot Ion	83	Resp	13493
Ion Ratio	Lower	Upper	
83	100		
55	80.5	62.7	94.1
98	42.5	35.7	53.5



#40
Benzene
Concen: 2.727 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	78	Resp	37271
Ion Ratio	Lower	Upper	
78	100		
77	24.8	18.8	28.2

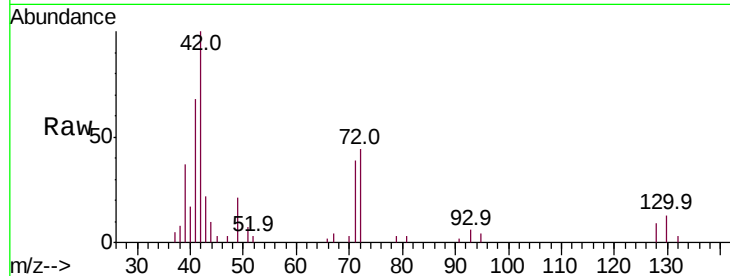




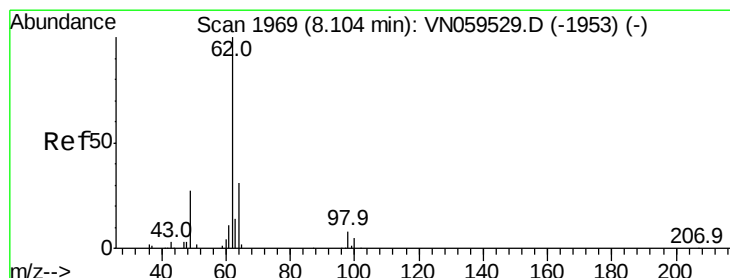
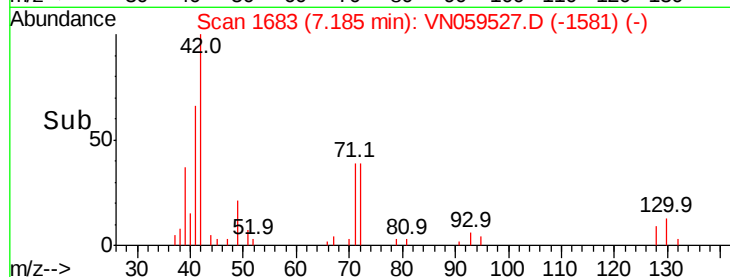
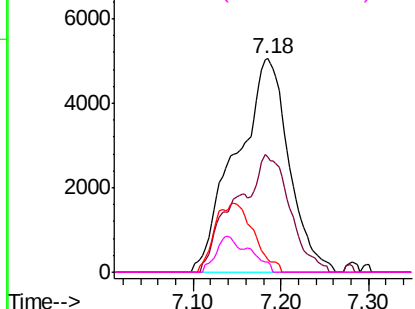
#41
Methacrylonitrile
Concen: 9.791 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	21152
Ion	Ratio	Lower	Upper
41	100		
39	33.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

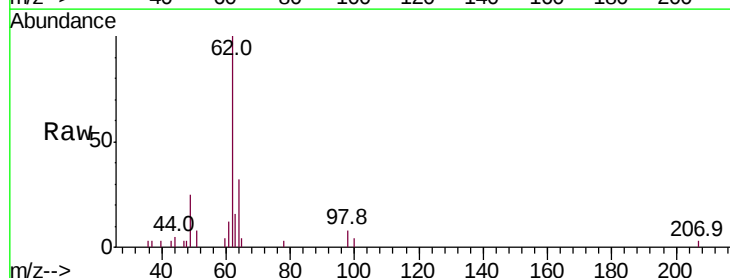


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

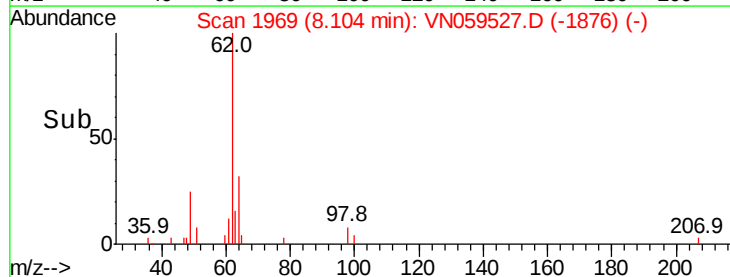
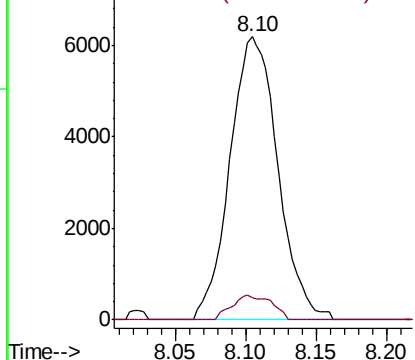


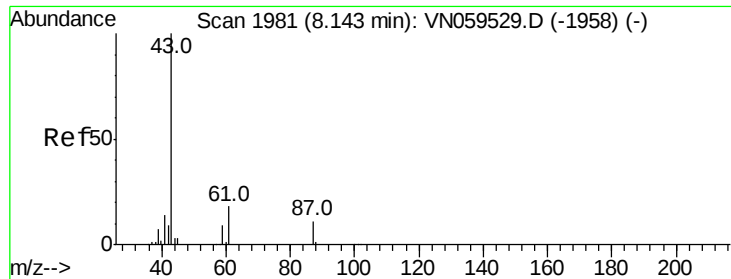
#42
1,2-Dichloroethane
Concen: 3.096 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion:	62	Resp:	14697
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.4



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

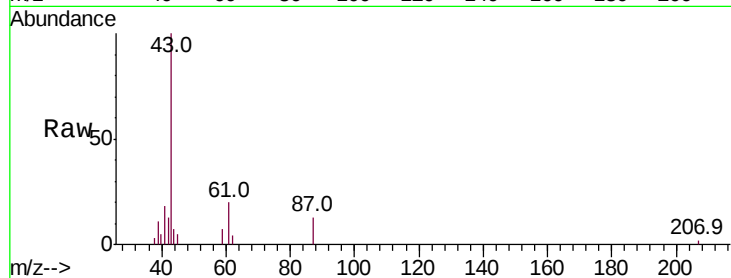




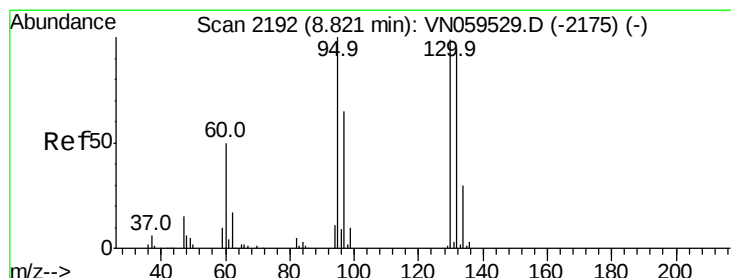
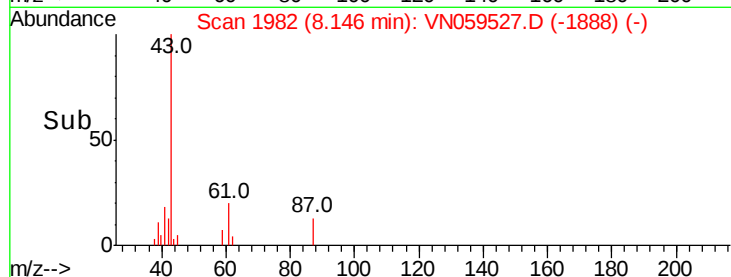
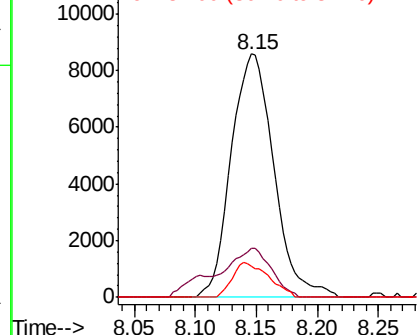
#43
Isopropyl Acetate
Concen: 2.661 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 20858
Ion Ratio Lower Upper
43 100
61 19.4 19.8 29.6#
87 12.2 9.4 14.2

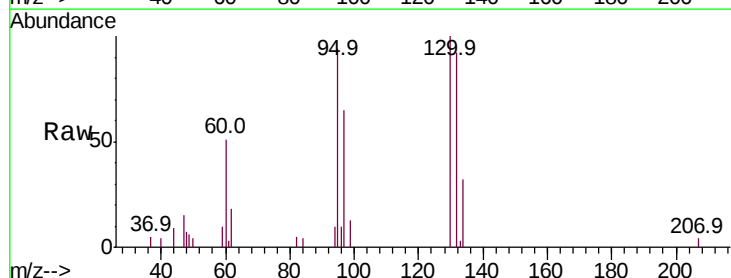


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

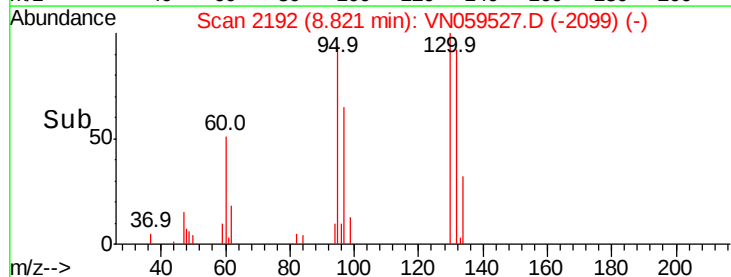
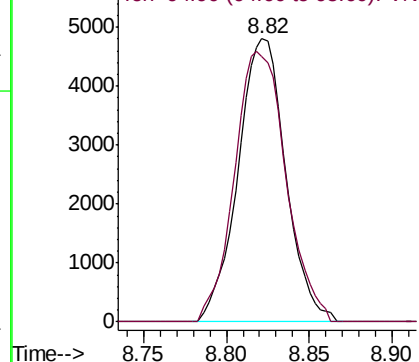


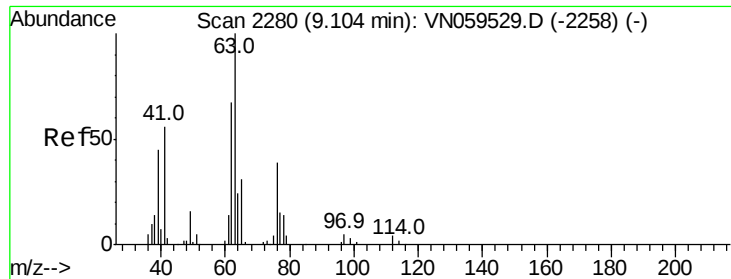
#44
Trichloroethene
Concen: 2.704 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion:130 Resp: 9639
Ion Ratio Lower Upper
130 100
95 94.0 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: 2.739 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

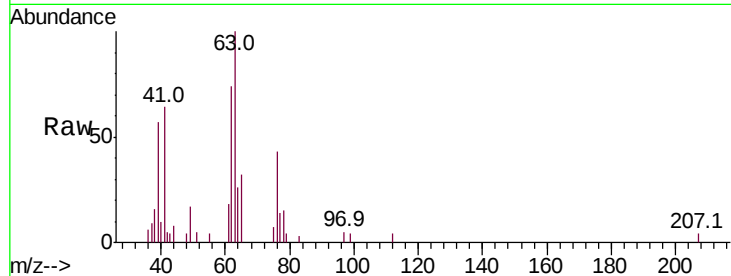
ClientSampleId :

Tot Ion: 63 Resp: 10021

Ion Ratio Lower Upper

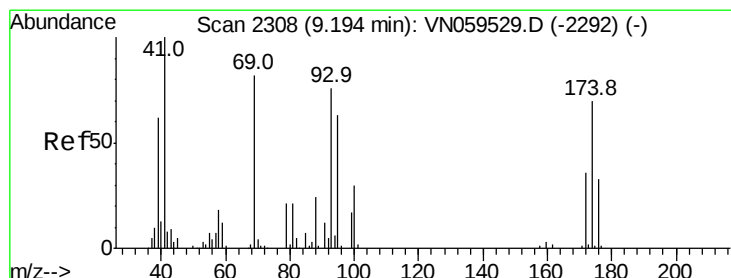
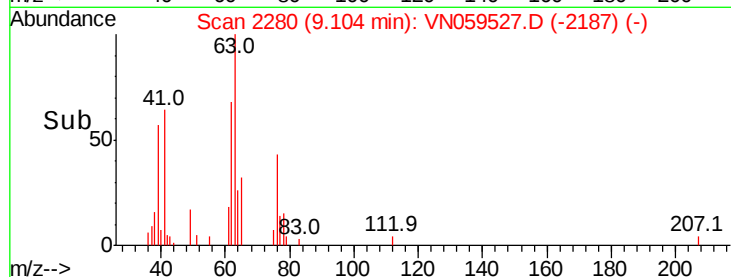
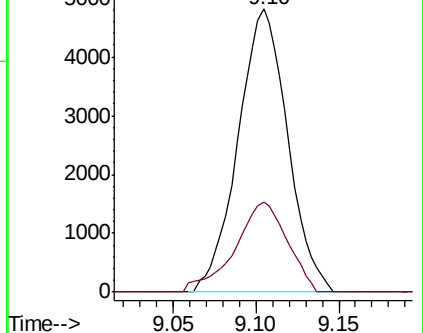
63 100

65 31.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 2.734 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

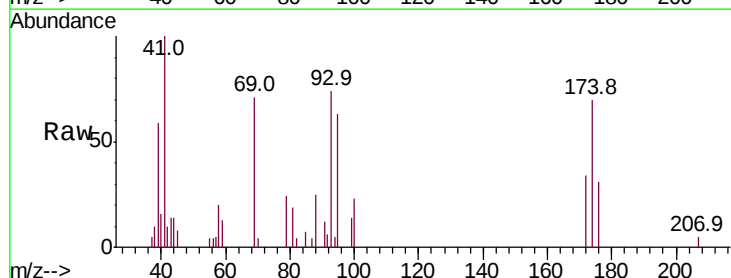
Tgt Ion: 93 Resp: 6260

Ion Ratio Lower Upper

93 100

95 84.4 67.0 100.6

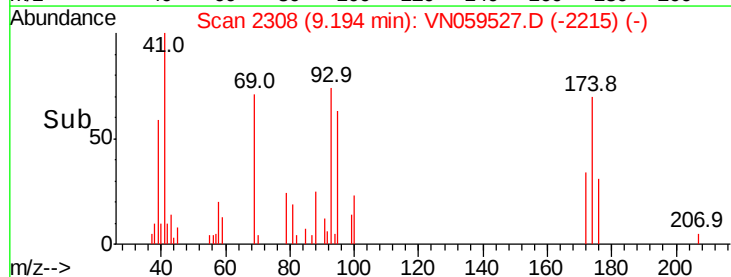
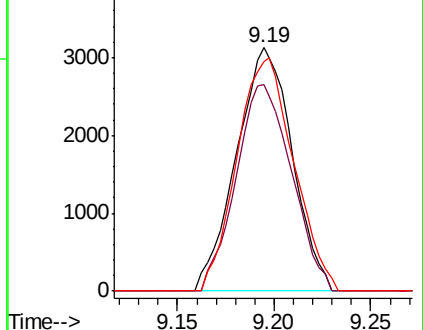
174 97.5 75.6 113.4

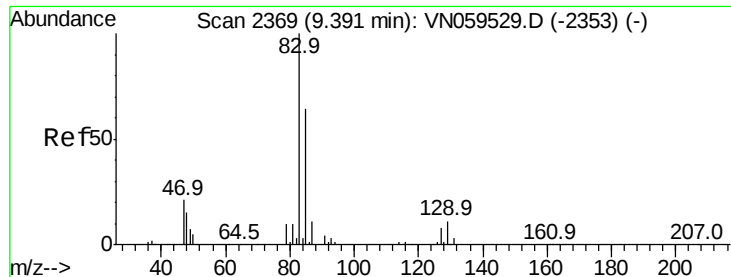


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

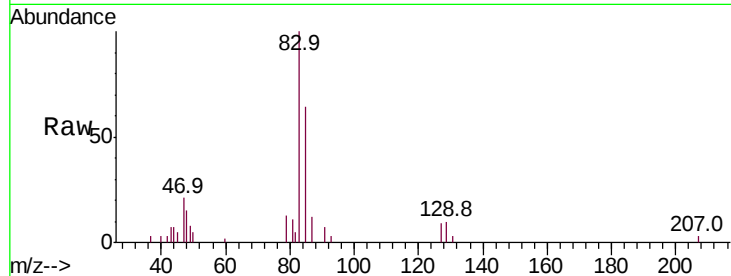




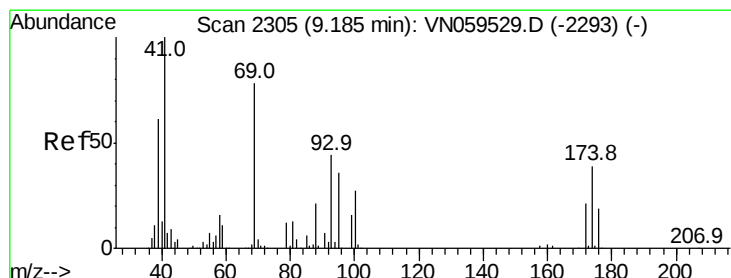
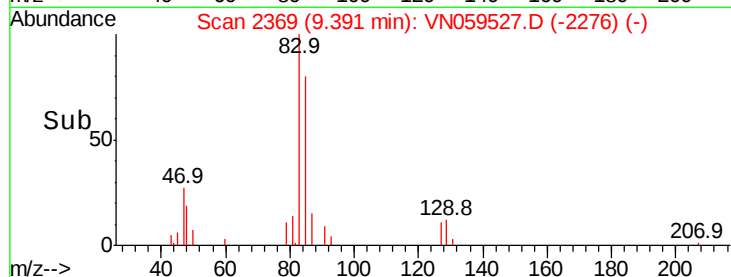
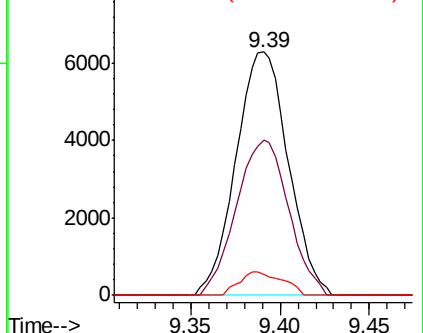
#47
Bromodichloromethane
Concen: 2.792 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 12865
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.0
127 8.7 6.7 10.1

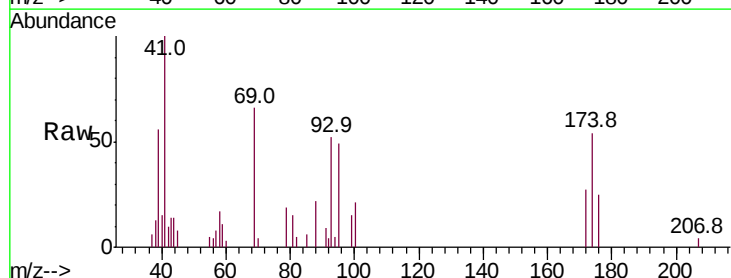


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

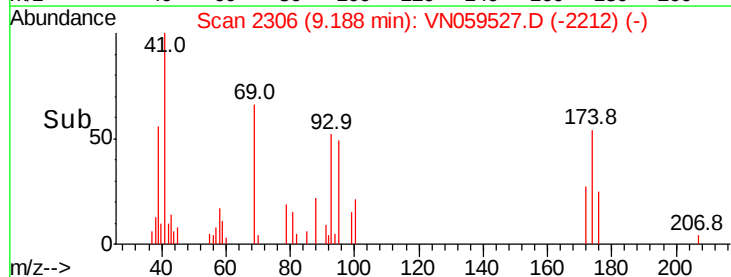
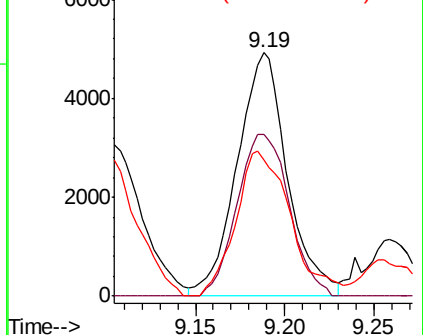


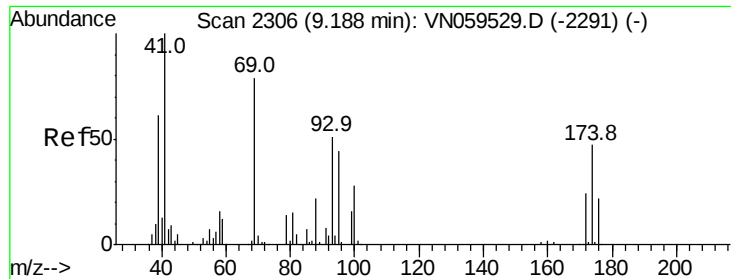
#48
Methyl methacrylate
Concen: 2.751 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 41 Resp: 9712
Ion Ratio Lower Upper
41 100
69 68.9 64.0 96.0
39 64.6 50.0 75.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

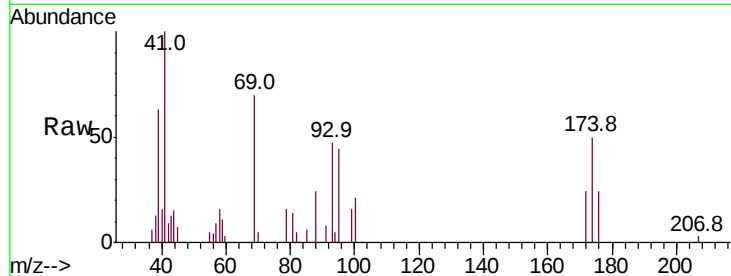




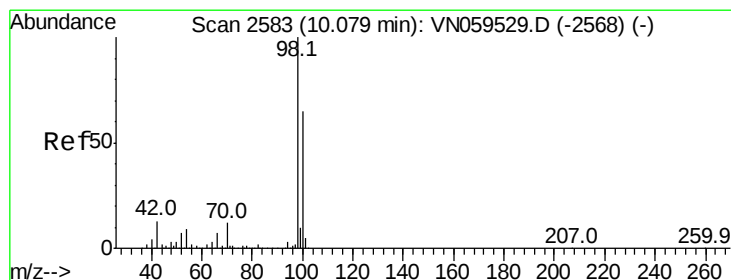
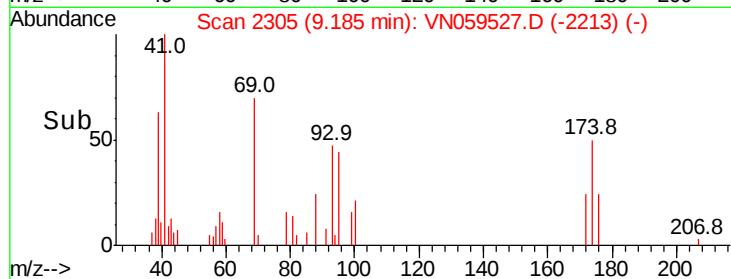
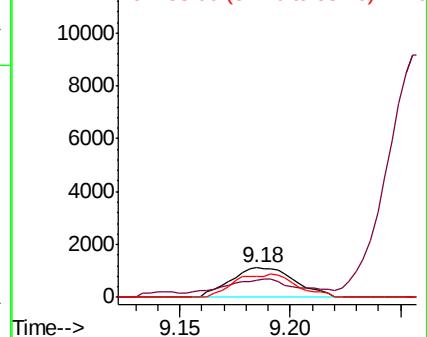
#49
1,4-Dioxane
Concen: 43.562 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 2265
Ion Ratio Lower Upper
88 100
43 45.2 31.4 47.0
58 75.3 61.0 91.6

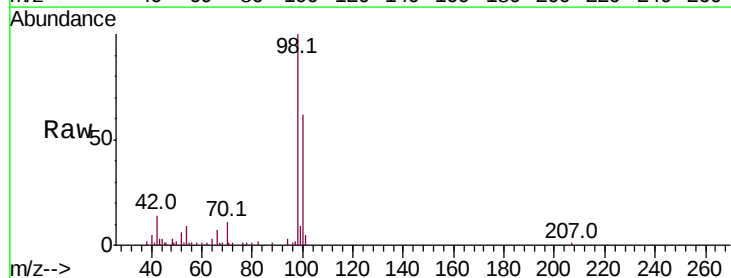


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

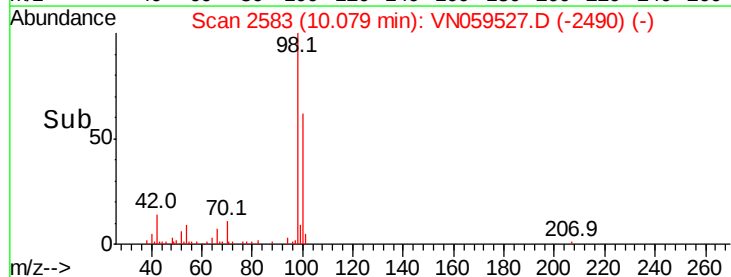
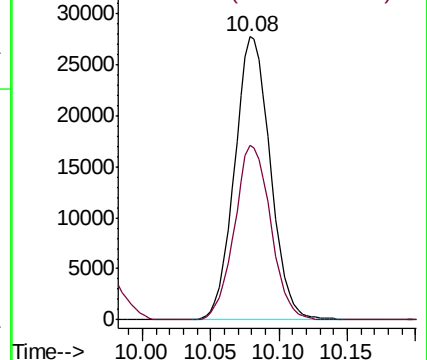


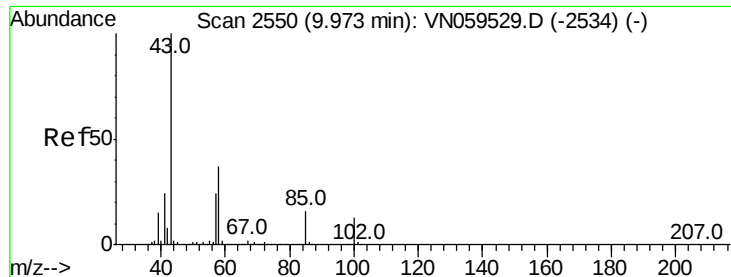
#50
Toluene-d8
Concen: 4.598 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 98 Resp: 50338
Ion Ratio Lower Upper
98 100
100 62.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

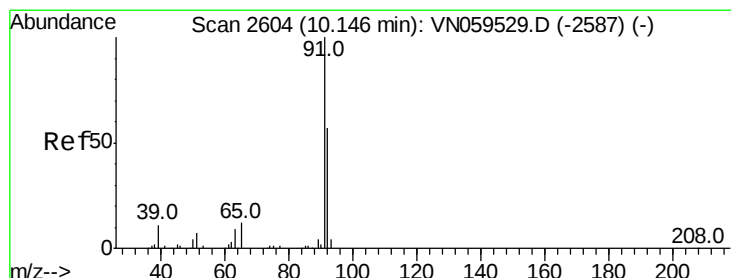
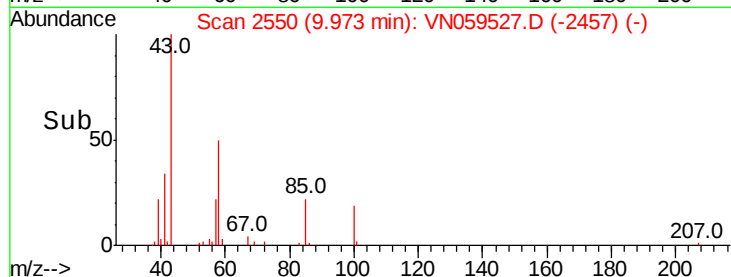
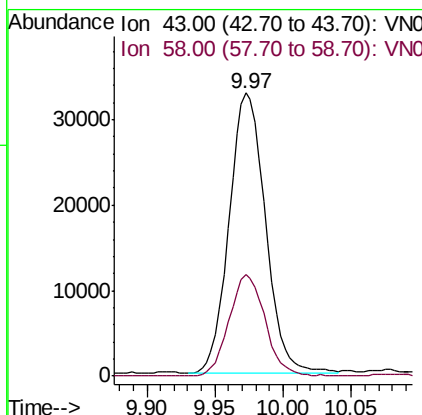
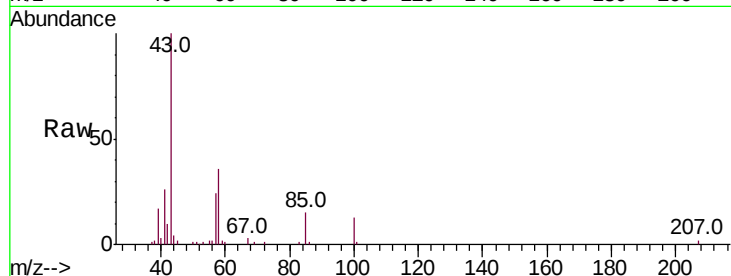




#51
4-Methyl-2-Pentanone
Concen: 13.105 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

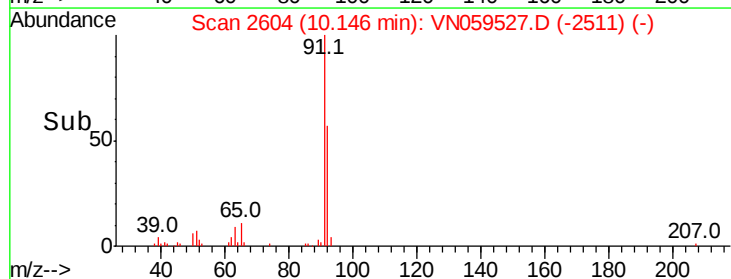
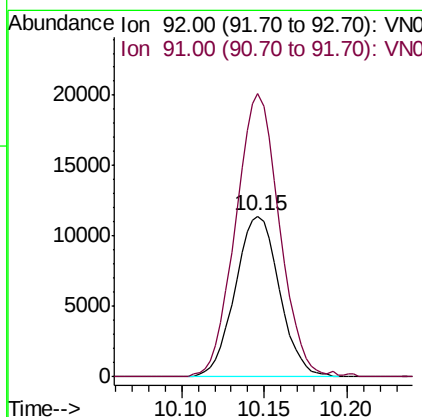
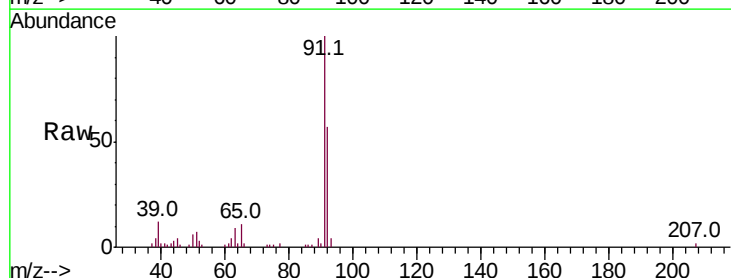
Instrument :
MSVOA_N
ClientSampled :

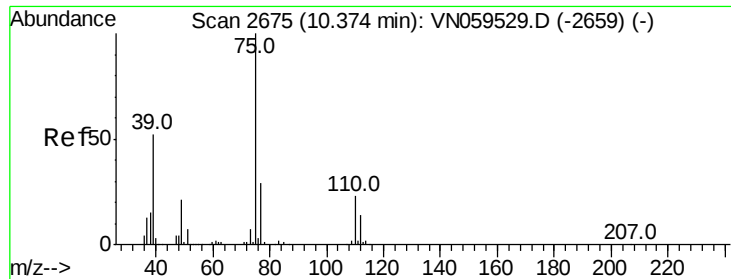
Tot Ion: 43 Resp: 60844
Ion Ratio Lower Upper
43 100
58 35.6 30.1 45.1



#52
Toluene
Concen: 2.570 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 92 Resp: 21197
Ion Ratio Lower Upper
92 100
91 174.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 2.480 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

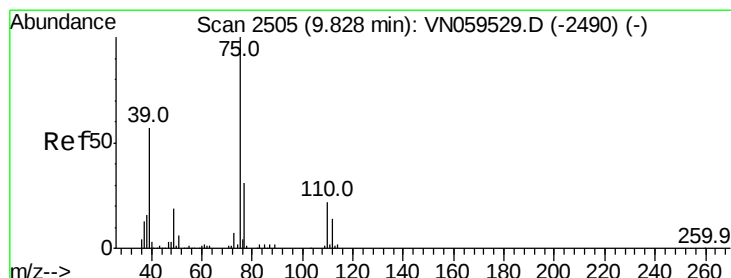
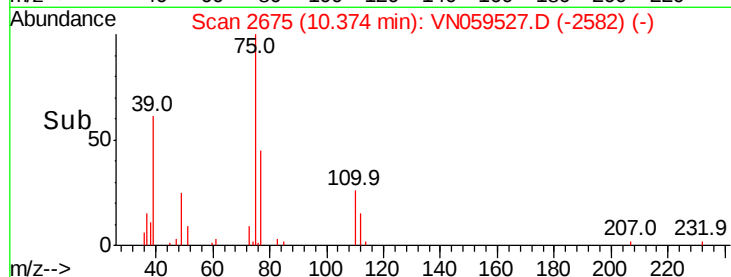
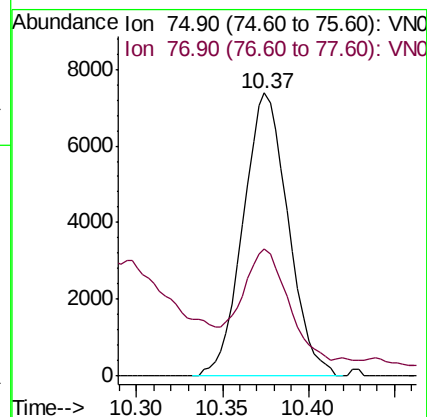
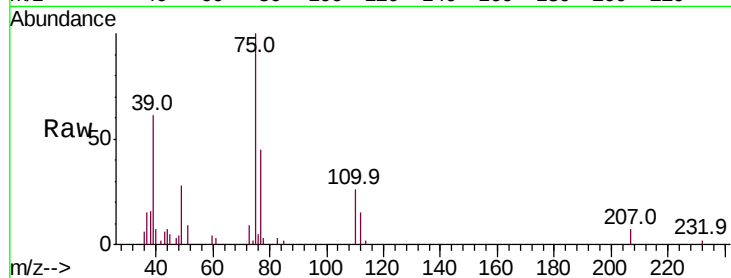
ClientSampled :

Tot Ion: 75 Resp: 13399

Ion Ratio Lower Upper

75 100

77 38.8 24.5 36.7#



#54

cis-1,3-Dichloropropene

Concen: 2.605 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

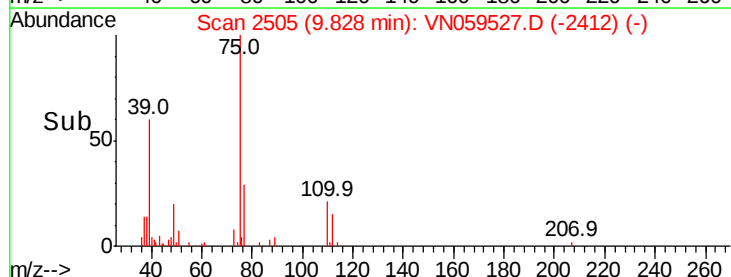
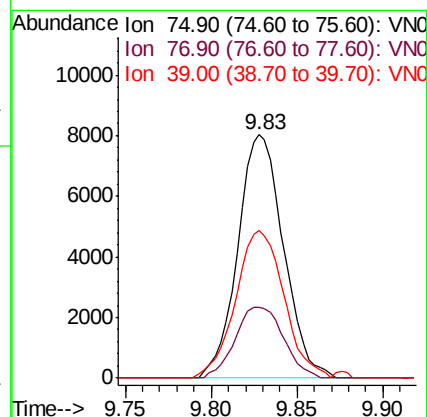
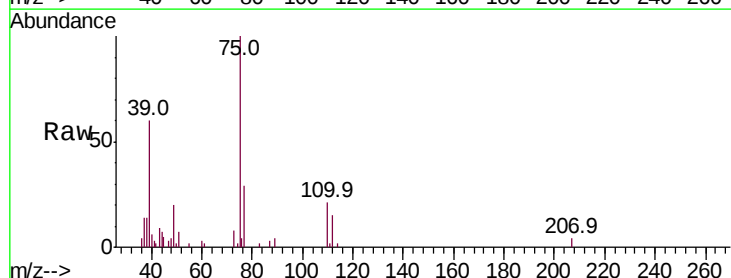
Tgt Ion: 75 Resp: 14847

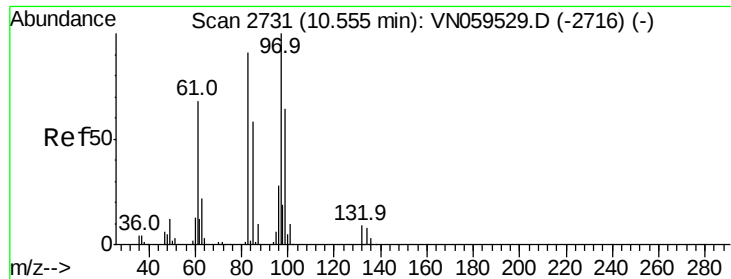
Ion Ratio Lower Upper

75 100

77 29.1 24.6 36.8

39 60.4 45.6 68.4

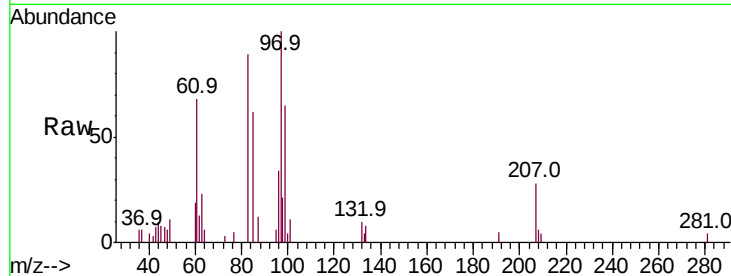




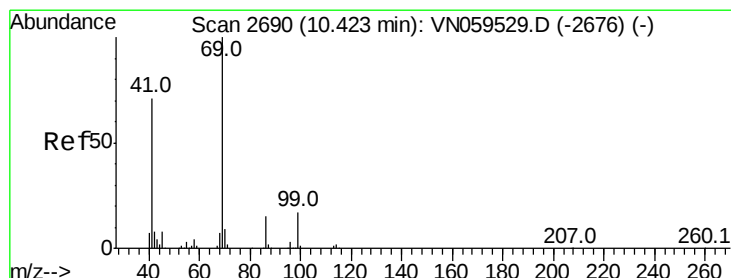
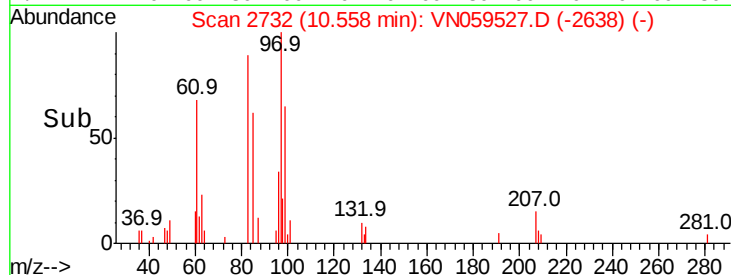
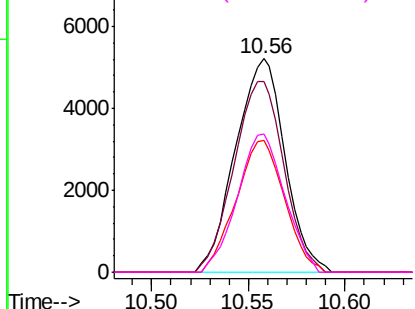
#55
 1,1,2-Trichloroethane
 Concen: 2.853 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 9291
 Ion Ratio Lower Upper
 97 100
 83 89.3 72.9 109.3
 85 62.0 46.1 69.1
 99 65.0 50.8 76.2

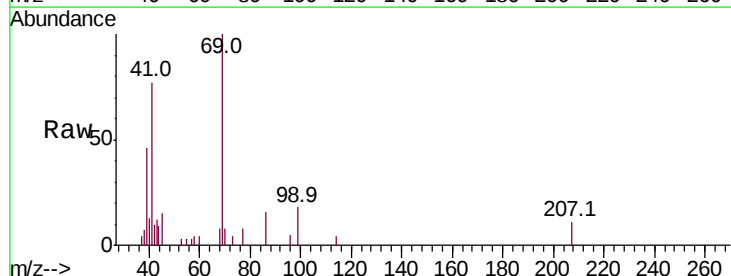


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

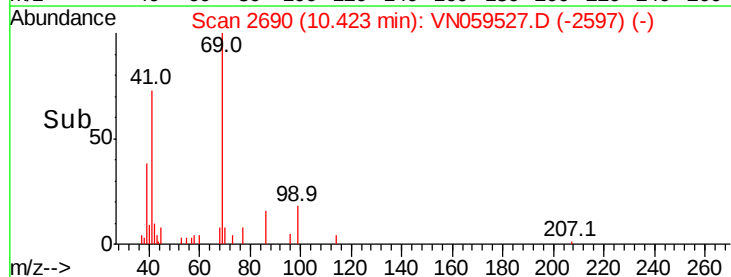
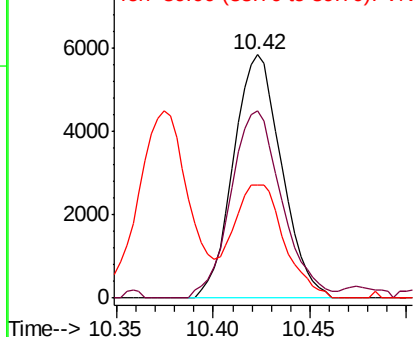


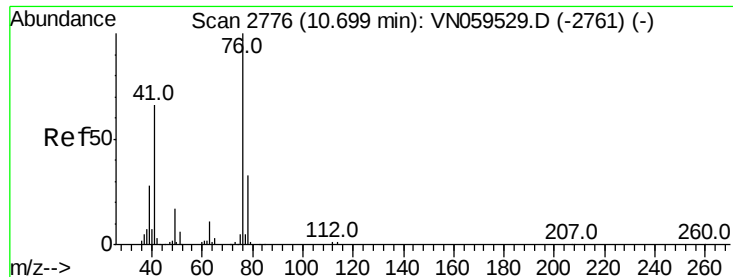
#56
 Ethyl methacrylate
 Concen: 2.142 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion: 69 Resp: 10107
 Ion Ratio Lower Upper
 69 100
 41 81.6 57.7 86.5
 39 50.1 34.2 51.2



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





#57

1,3-Dichloropropane

Concen: 2.586 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

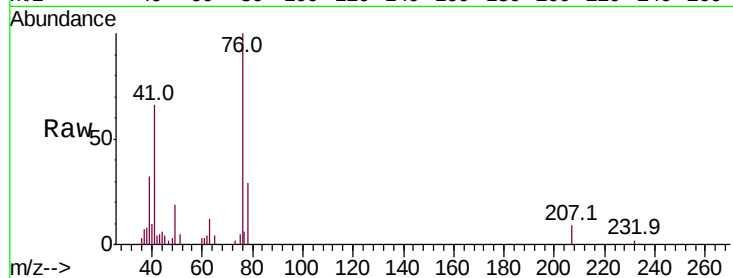
ClientSampled :

Tot Ion: 76 Resp: 14618

Ion Ratio Lower Upper

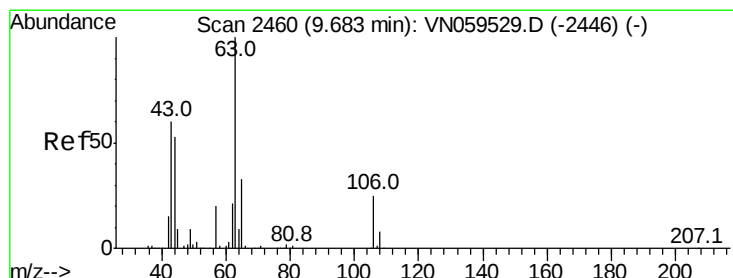
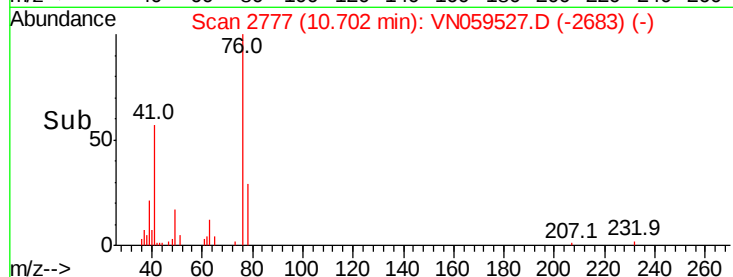
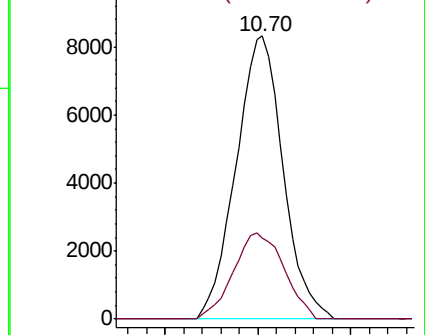
76 100

78 32.8 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 28.756 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059527.D

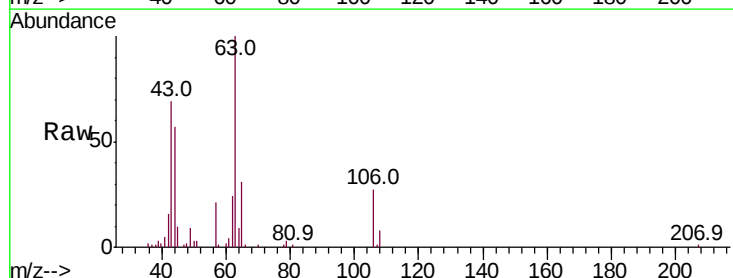
Acq: 9 Dec 2019 15:08

Tgt Ion: 63 Resp: 39635

Ion Ratio Lower Upper

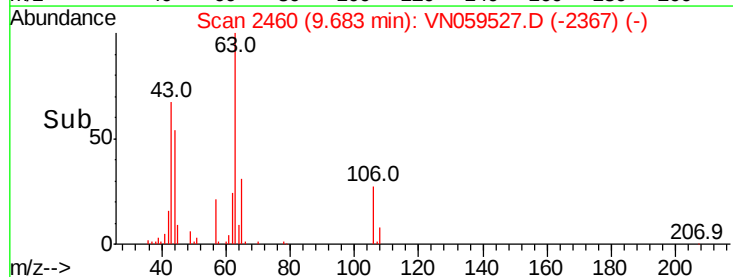
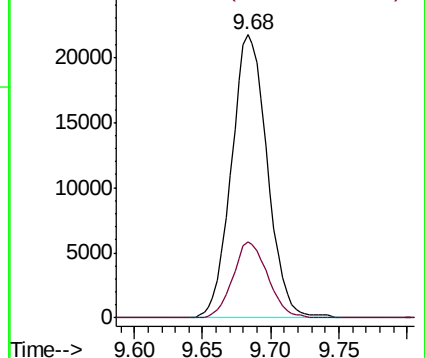
63 100

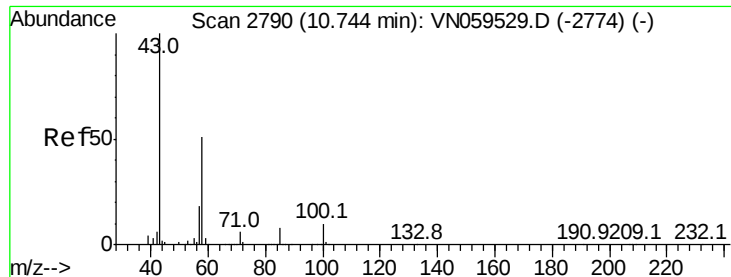
106 26.1 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

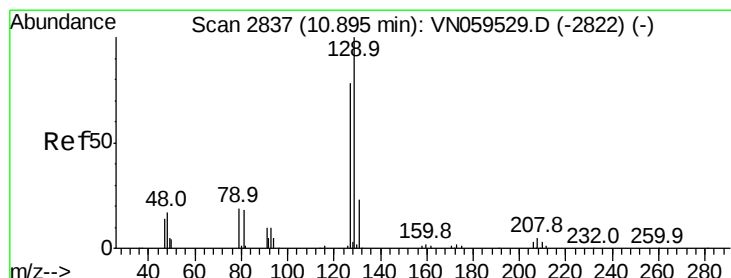
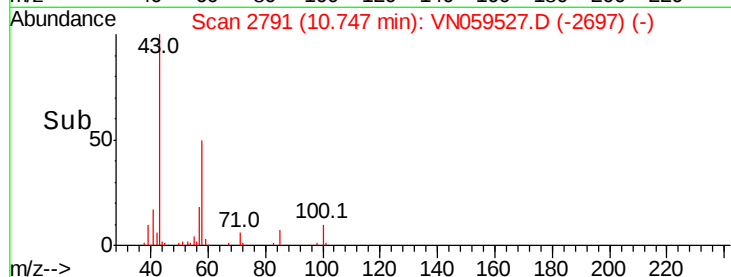
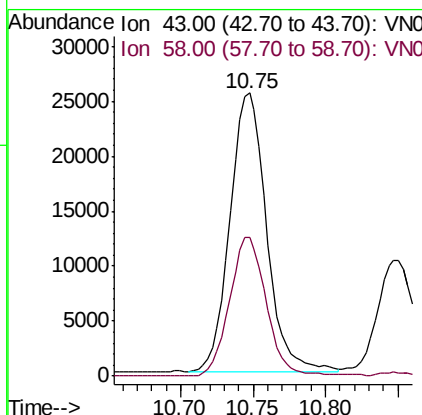
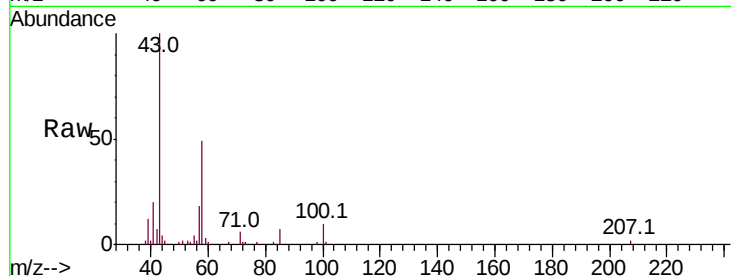




#59
2-Hexanone
Concen: 12.697 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

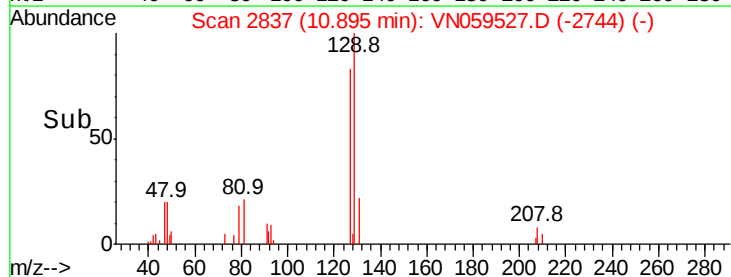
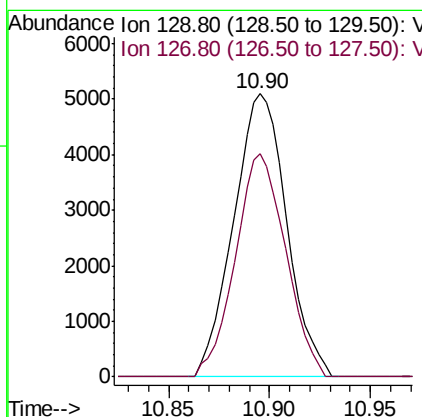
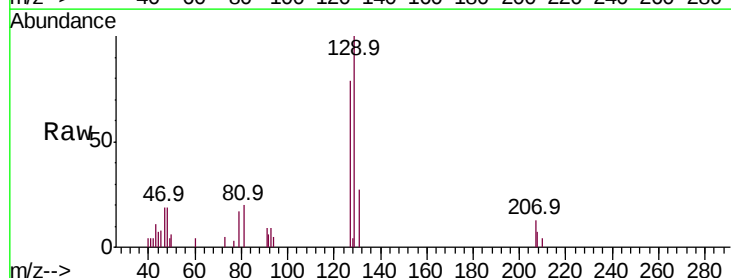
Instrument :
MSVOA_N
ClientSampleId :

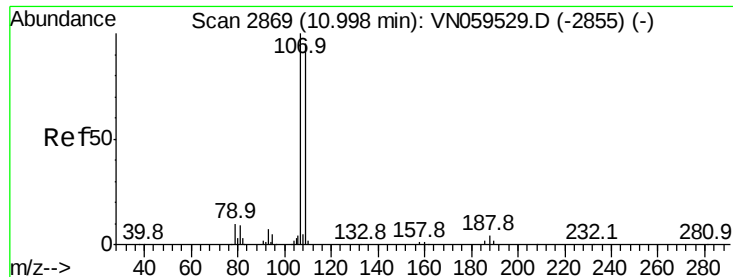
Tot Ion: 43 Resp: 44365
Ion Ratio Lower Upper
43 100
58 50.3 25.9 77.6



#60
Dibromochloromethane
Concen: 2.677 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 129 Resp: 9365
Ion Ratio Lower Upper
129 100
127 74.8 38.9 116.6

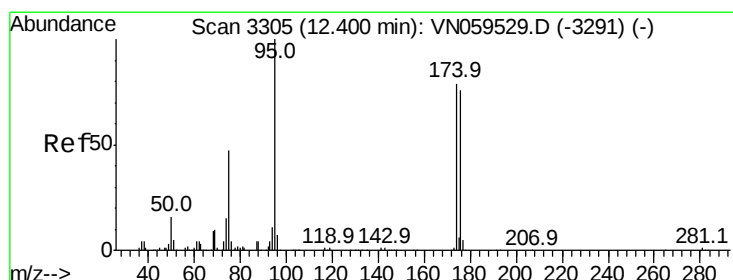
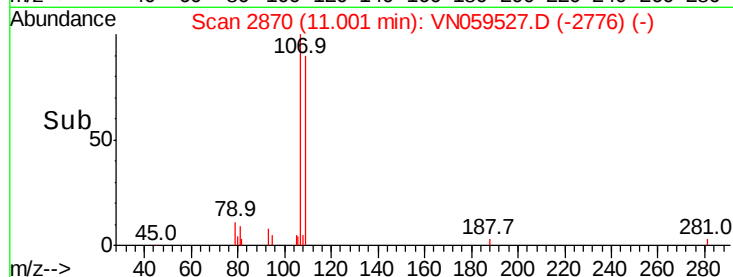
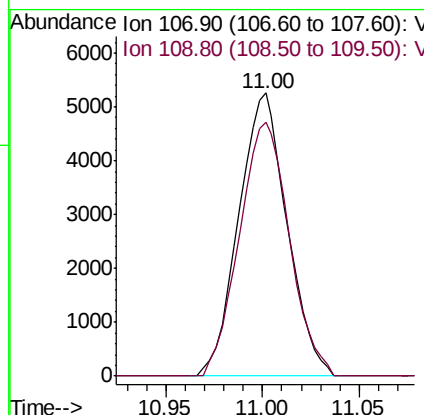
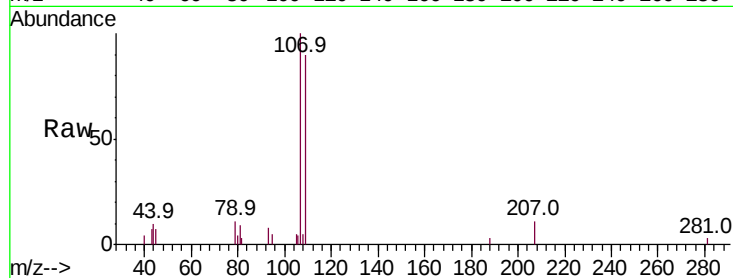




#61
 1,2-Dibromoethane
 Concen: 2.709 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

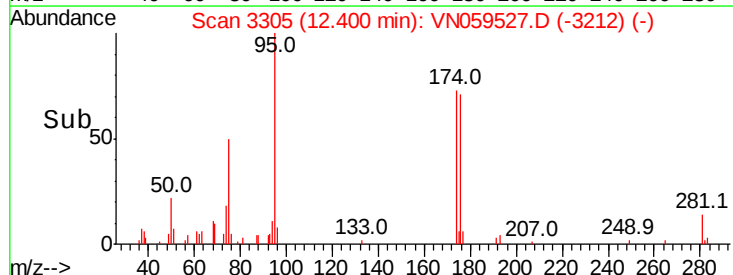
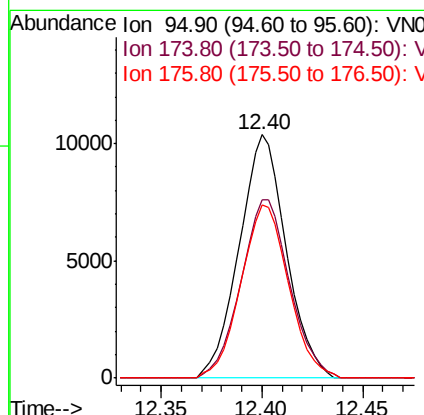
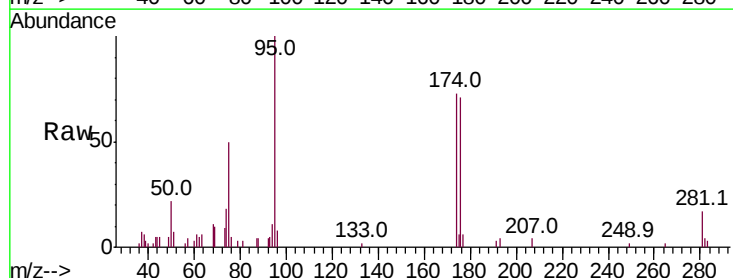
Instrument :
 MSVOA_N
 ClientSampleId :

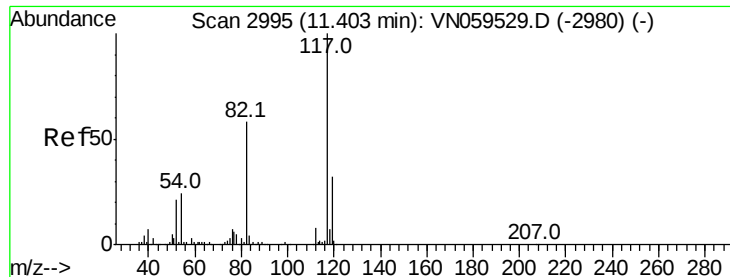
Tot Ion: 107 Resp: 9139
 Ion Ratio Lower Upper
 107 100
 109 92.8 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 4.286 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion: 95 Resp: 16895
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 158.0
 176 72.2 0.0 155.4

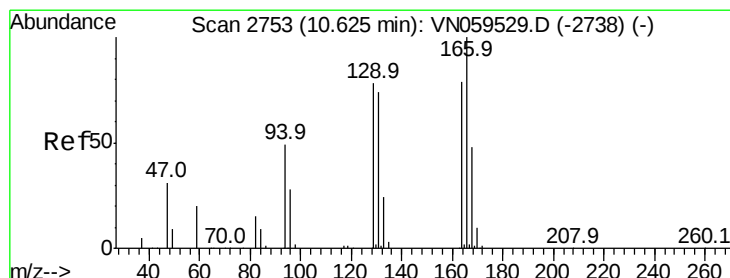
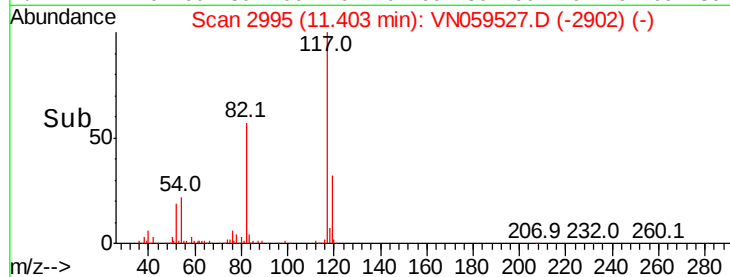
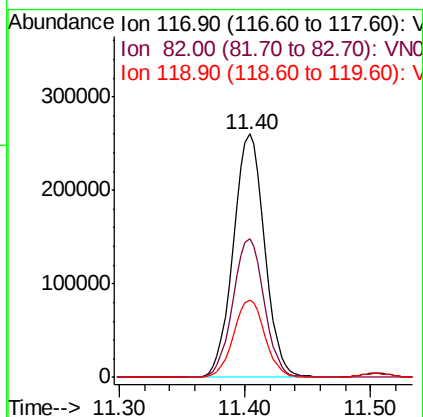
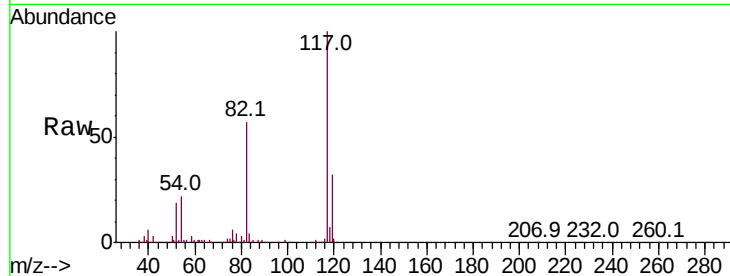




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

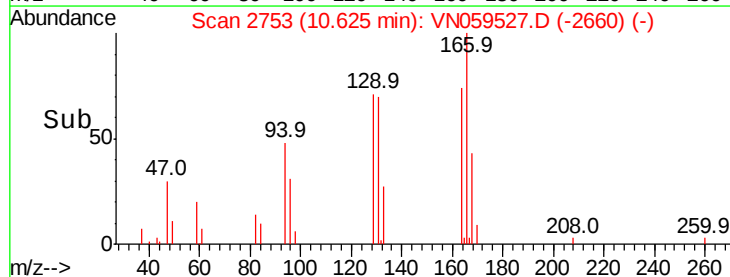
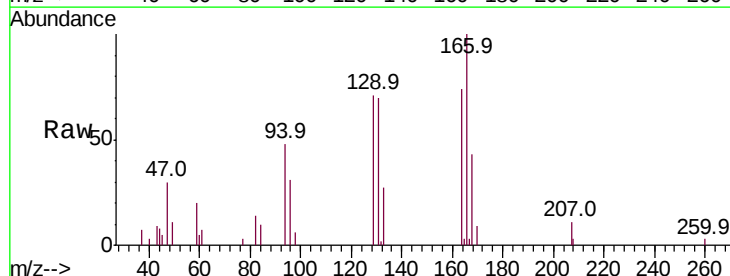
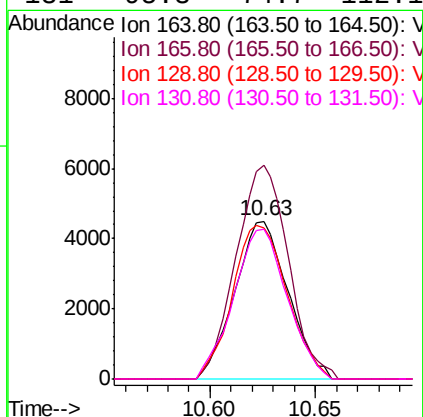
Instrument :
MSVOA_N
ClientSampleId :

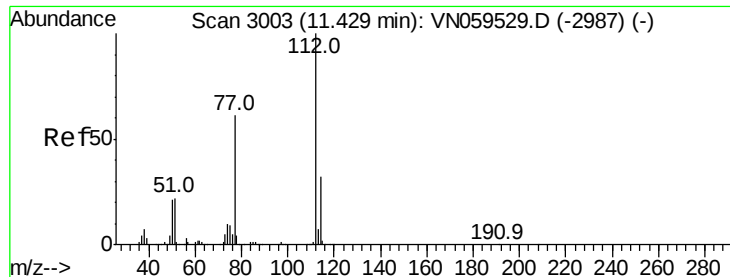
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.5	69.7
119	31.9	25.2	37.8



#64
Tetrachloroethene
Concen: 2.160 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.6	101.6	152.4
129	95.9	79.0	118.6
131	95.3	74.7	112.1





#65

Chlorobenzene

Concen: 3.014 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

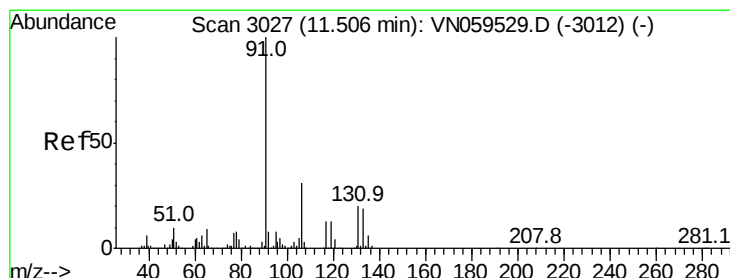
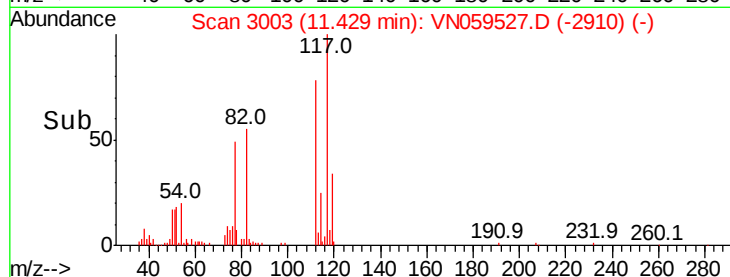
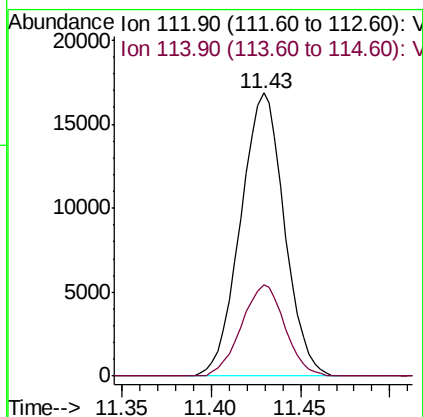
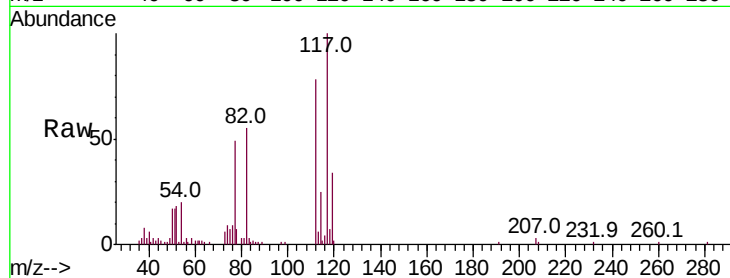
ClientSampled :

Tot Ion:112 Resp: 28942

Ion Ratio Lower Upper

112 100

114 32.3 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 2.963 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

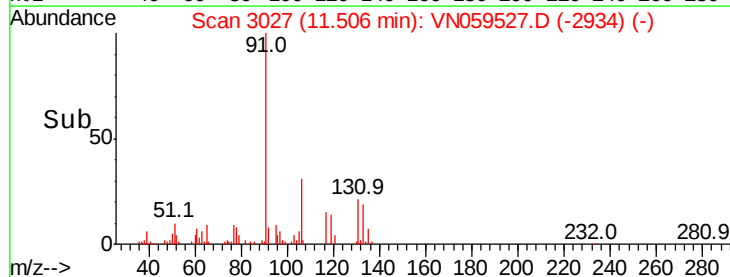
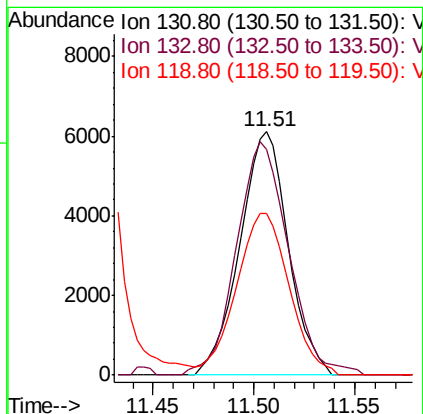
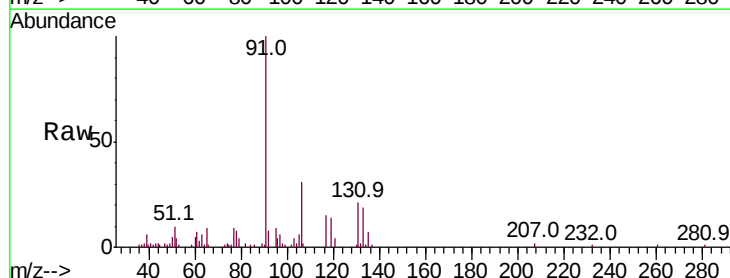
Tgt Ion:131 Resp: 10260

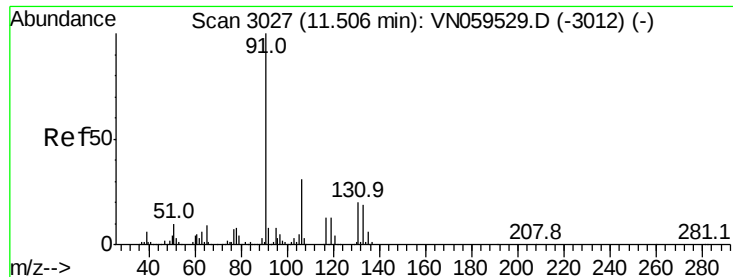
Ion Ratio Lower Upper

131 100

133 103.3 47.8 143.3

119 72.4 33.4 100.2

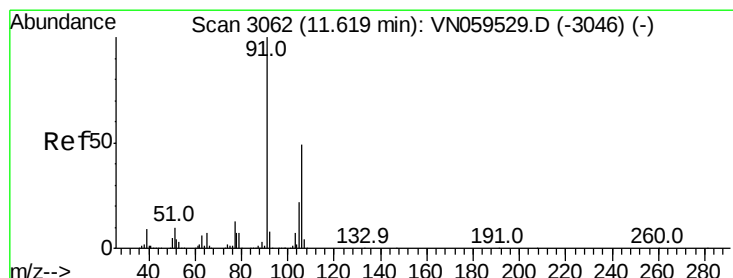
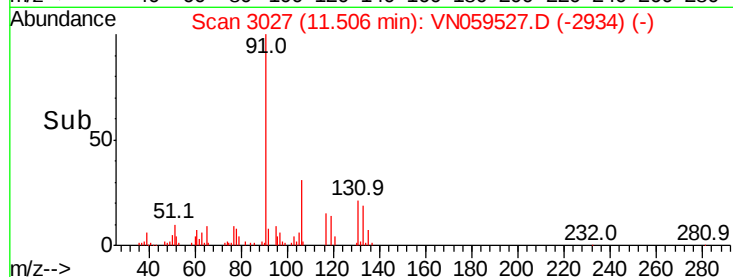
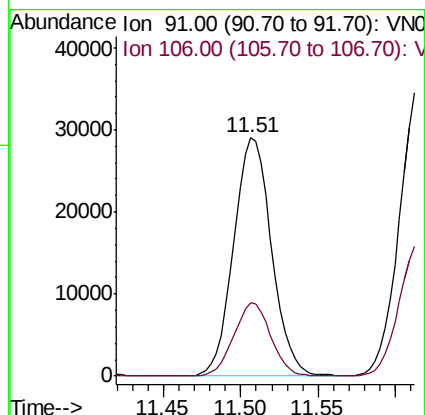
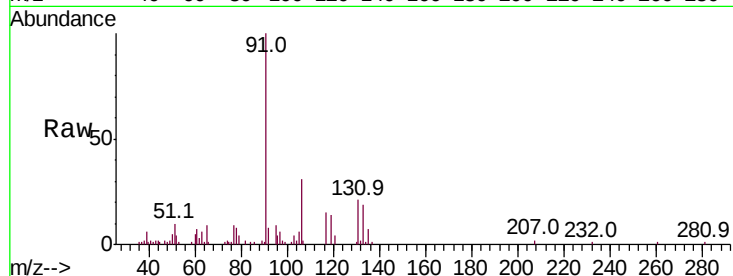




#67
Ethyl Benzene
Concen: 2.927 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

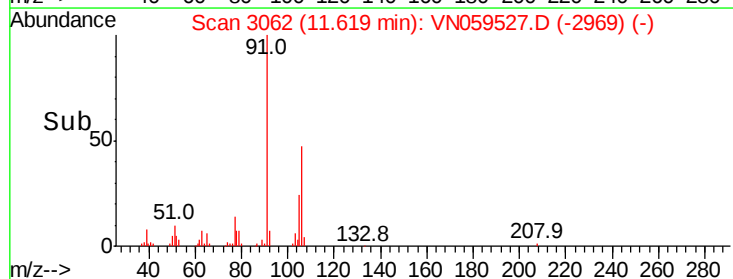
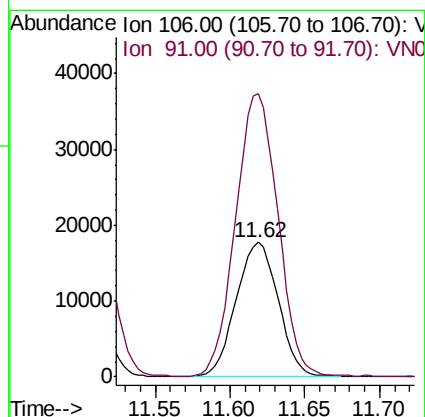
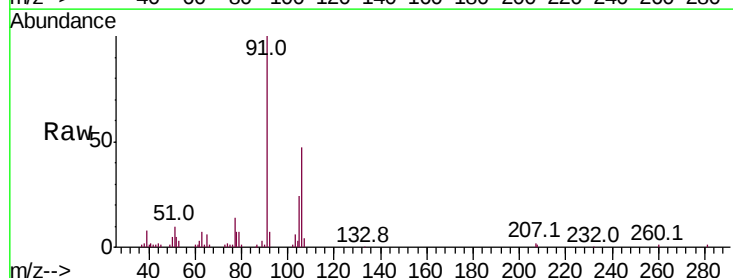
Instrument :
MSVOA_N
ClientSampled :

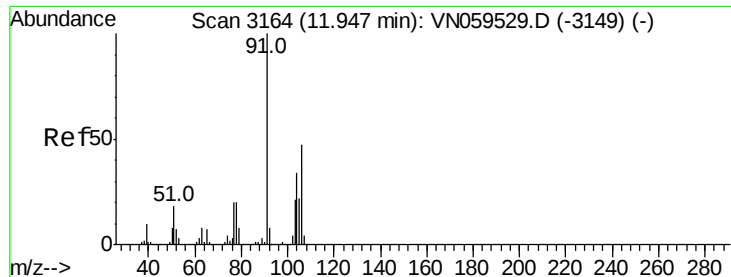
Tot Ion: 91 Resp: 49355
Ion Ratio Lower Upper
91 100
106 30.7 24.5 36.7



#68
m/p-Xylenes
Concen: 5.503 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 106 Resp: 34839
Ion Ratio Lower Upper
106 100
91 212.0 162.9 244.3

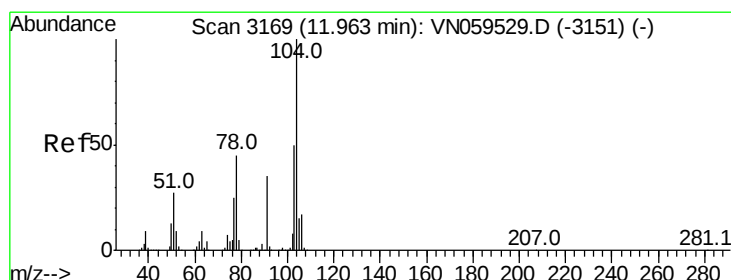
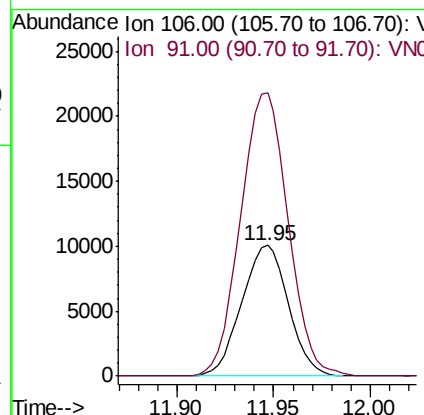
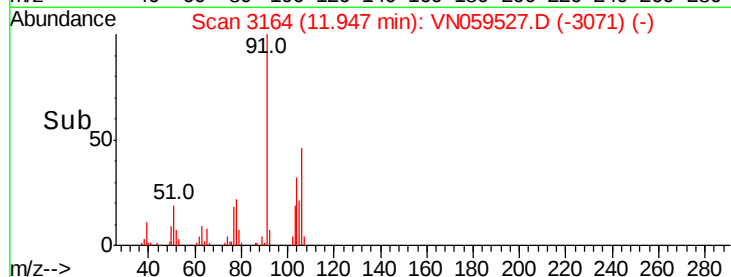
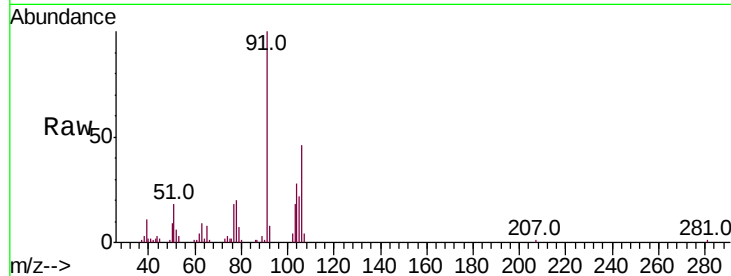




#69
o-Xylene
Concen: 2.804 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

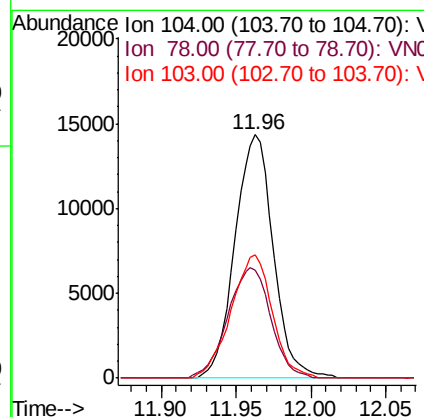
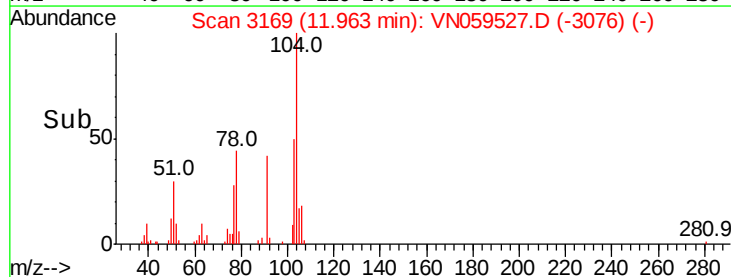
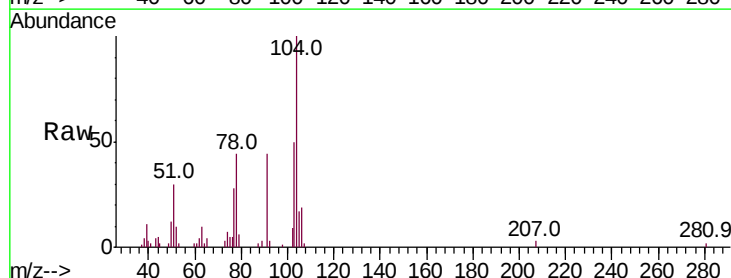
Instrument :
MSVOA_N
ClientSampleId :

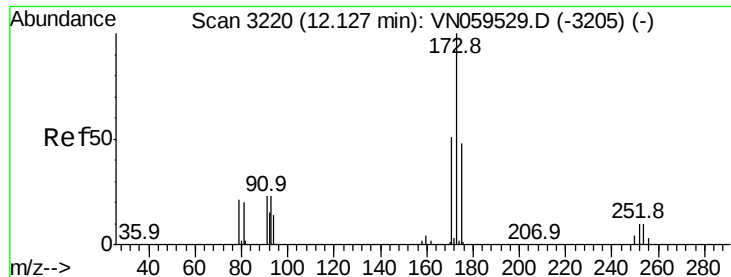
Tot Ion:106 Resp: 16902
Ion Ratio Lower Upper
106 100
91 220.9 106.7 319.9



#70
Styrene
Concen: 2.649 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion:104 Resp: 25583
Ion Ratio Lower Upper
104 100
78 51.0 40.6 60.8
103 54.4 43.9 65.9





#71

Bromoform

Concen: 2.831 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

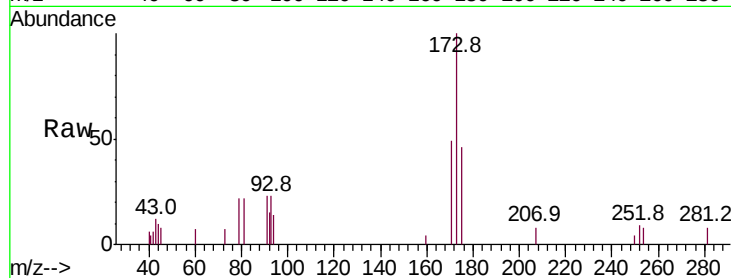
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:173 Resp: 7747

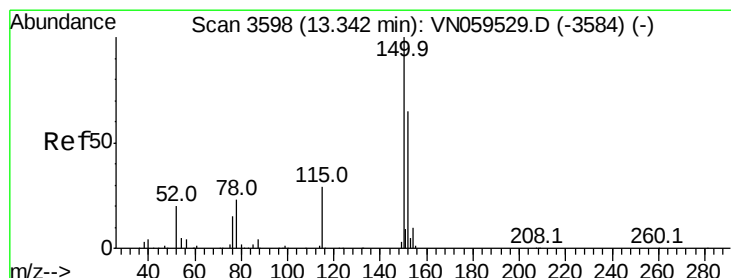
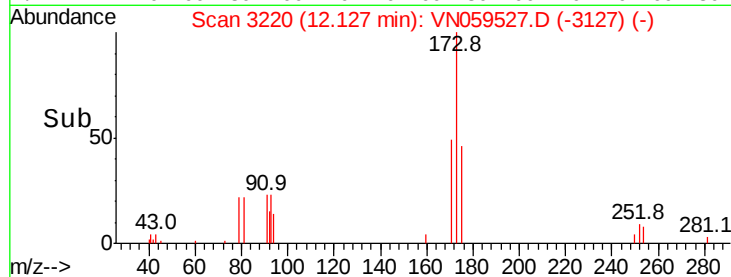
Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.1	72.4
254	0.0	0.0	0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

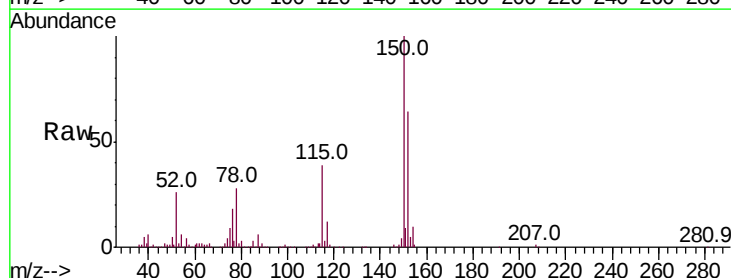
Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion:152 Resp: 165930

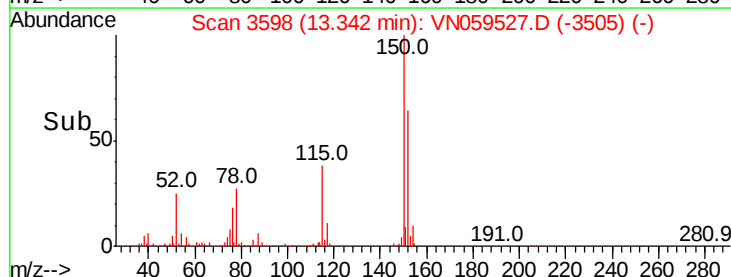
Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.4	88.2
150	157.2	0.0	342.4

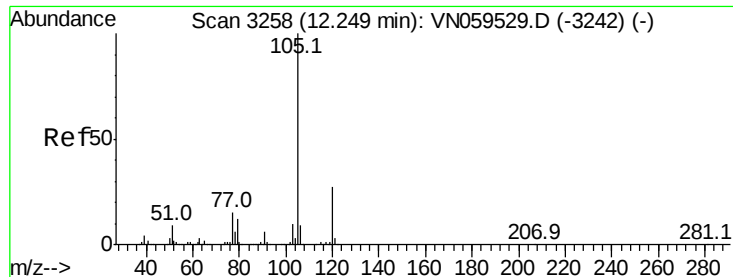


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.055 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

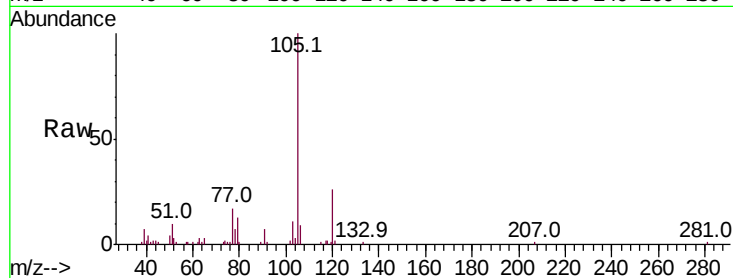
ClientSampled :

Tot Ion:105 Resp: 38636

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

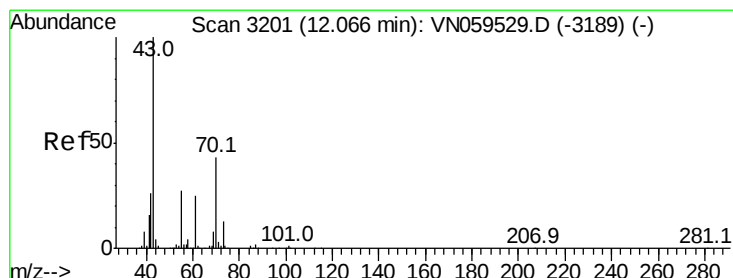
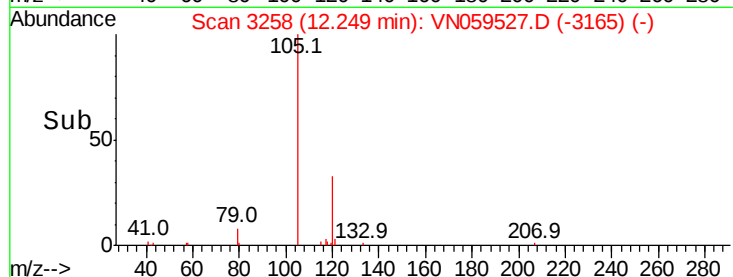
10000

5000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 3.392 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion: 43 Resp: 17517

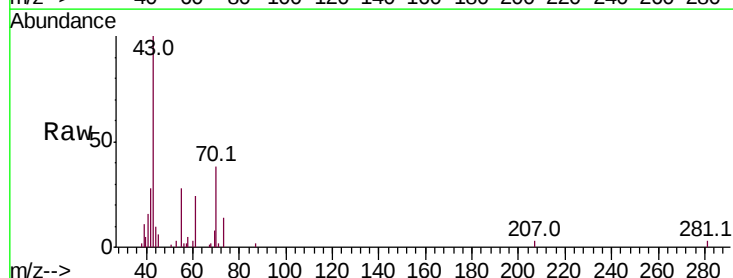
Ion Ratio Lower Upper

43 100

70 38.7 34.2 51.4

55 28.3 21.3 31.9

61 23.9 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

15000

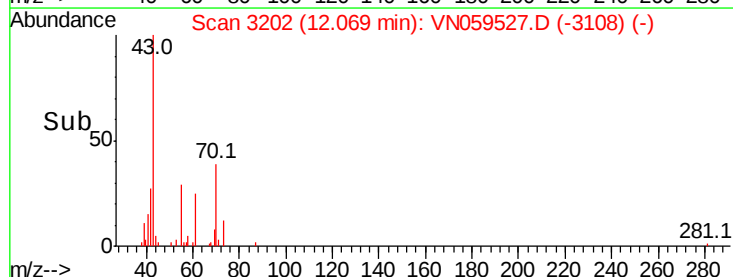
10000

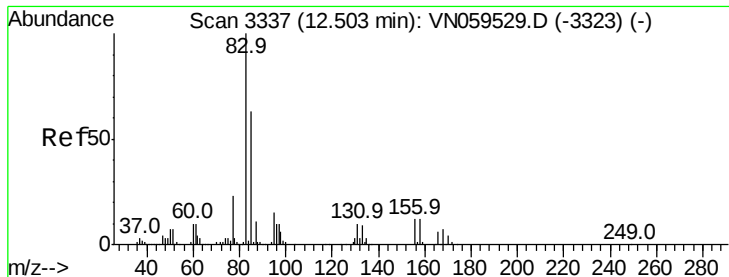
5000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 3.211 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

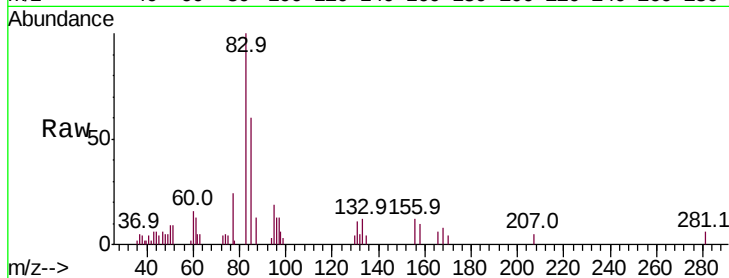
Tot Ion: 83 Resp: 13182

Ion Ratio Lower Upper

83 100

131 9.2 5.0 14.9

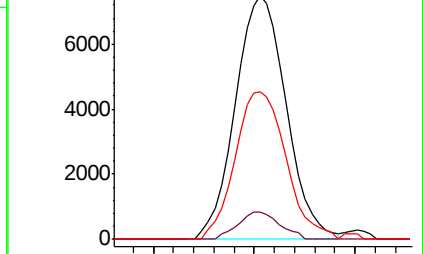
85 60.6 31.6 95.0



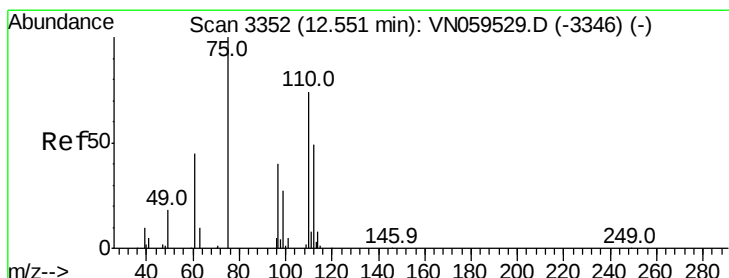
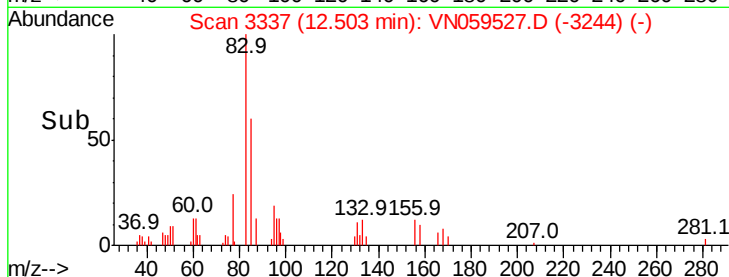
Abundance Ion 82.90 (82.60 to 83.60): VN059527.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059527.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059527.D (-3323) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 4.360 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059527.D

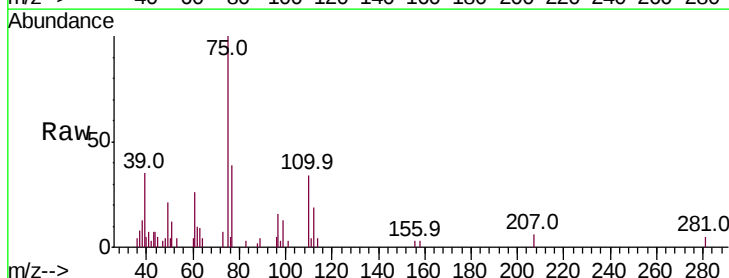
Acq: 9 Dec 2019 15:08

Tgt Ion: 75 Resp: 17674

Ion Ratio Lower Upper

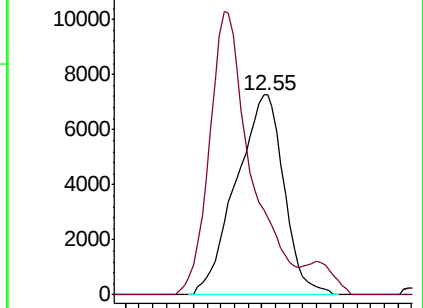
75 100

77 0.0 0.0 0.0

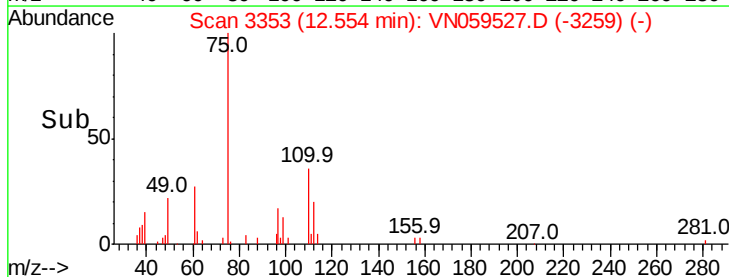


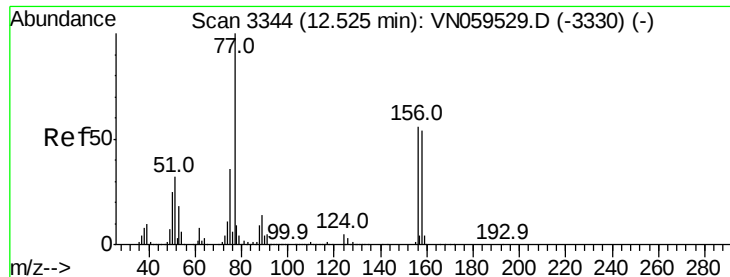
Abundance Ion 74.90 (74.60 to 75.60): VN059527.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059527.D (-3352) (-)



Time-->





#77

Bromobenzene

Concen: 2.956 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

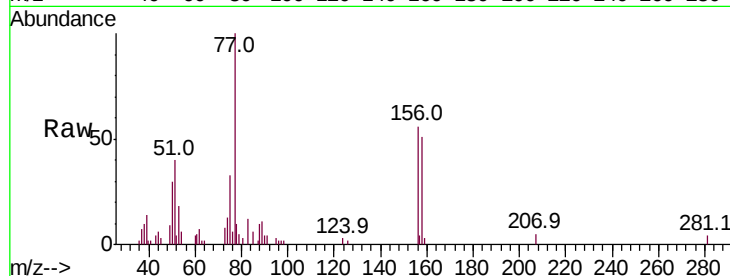
Tot Ion:156 Resp: 9467

Ion Ratio Lower Upper

156 100

77 230.1 109.3 327.8

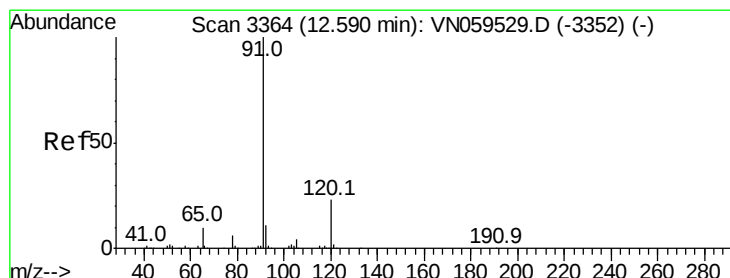
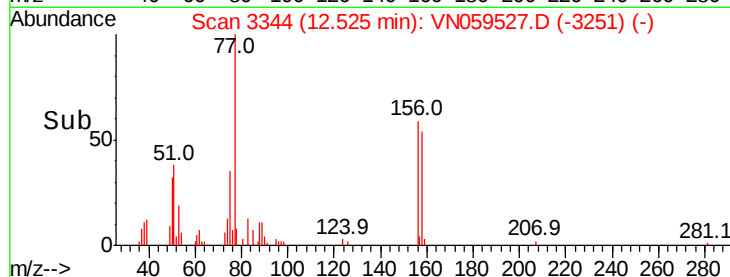
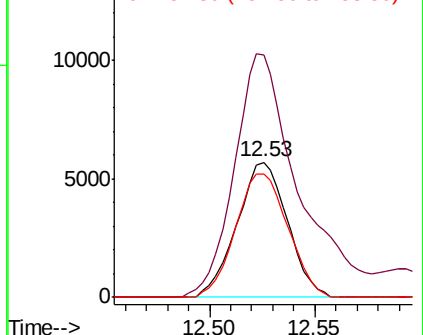
158 95.3 48.6 145.8



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: 2.912 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059527.D

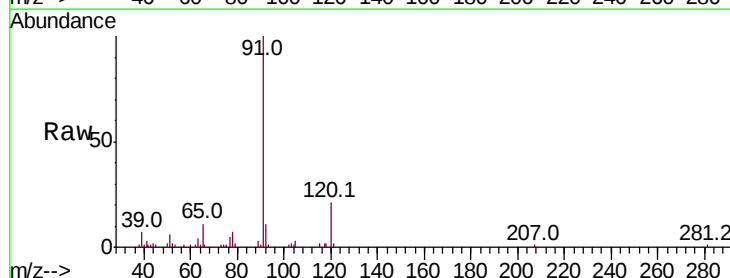
Acq: 9 Dec 2019 15:08

Tgt Ion: 91 Resp: 43290

Ion Ratio Lower Upper

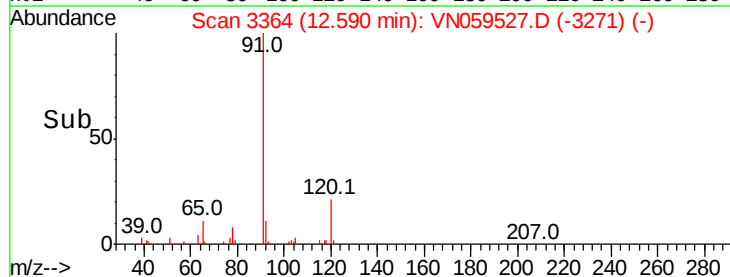
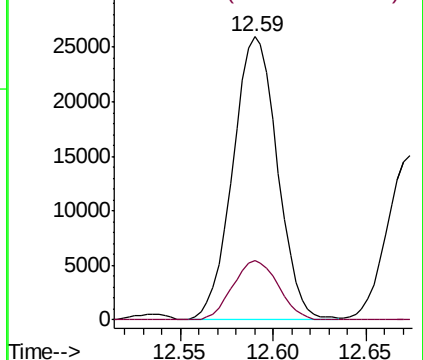
91 100

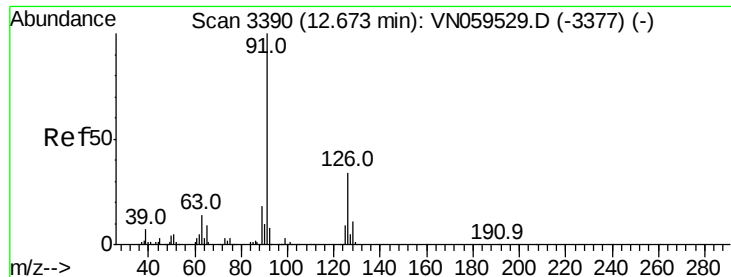
120 21.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

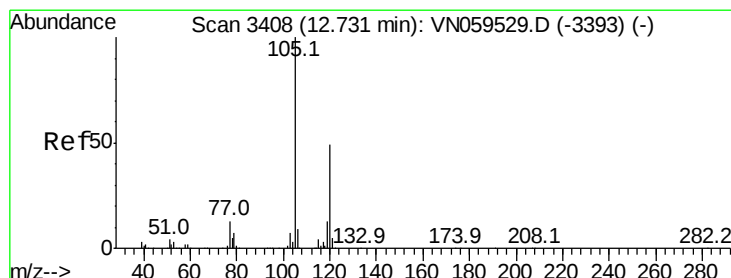
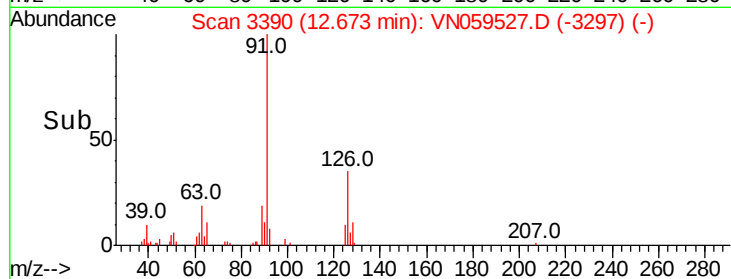
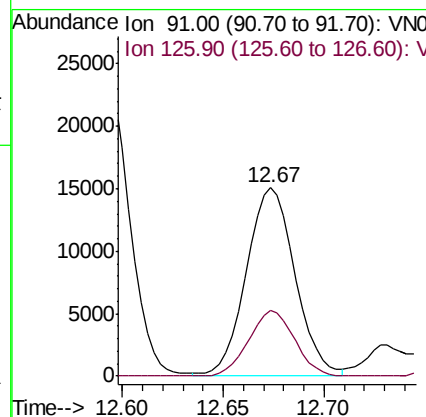
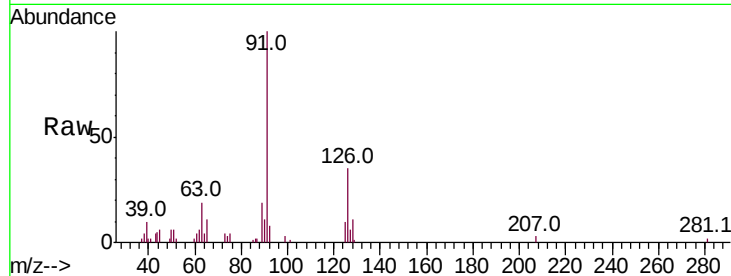




#79
 2-Chlorotoluene
 Concen: 2.850 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

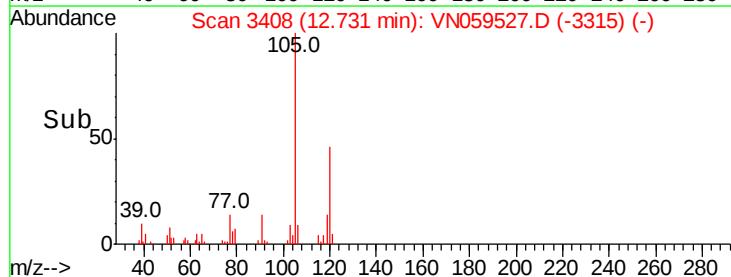
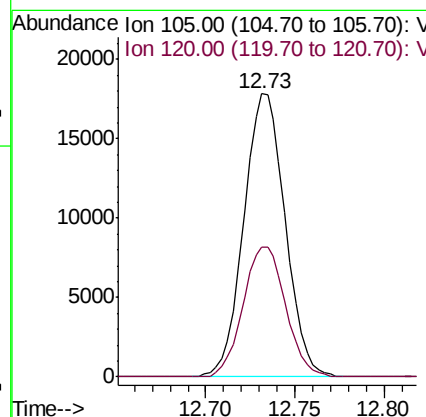
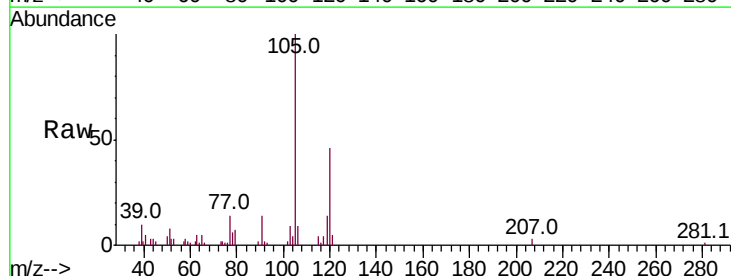
Instrument :
 MSVOA_N
 ClientSampled :

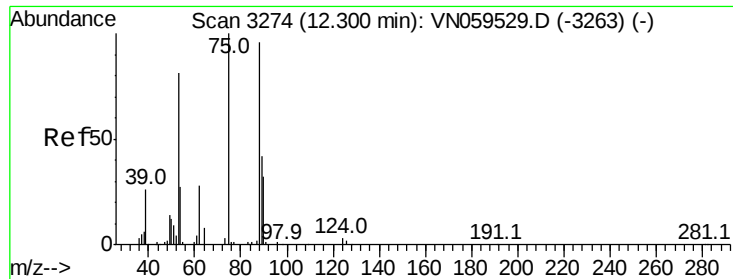
Tot Ion: 91 Resp: 25581
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 2.702 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion: 105 Resp: 28919
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 2.913 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

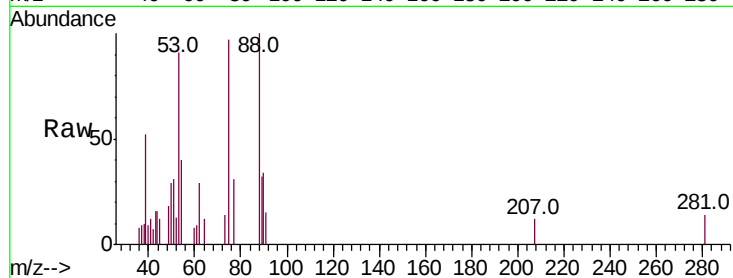
Tot Ion: 75 Resp: 4351

Ion Ratio Lower Upper

75 100

53 97.8 67.0 100.6

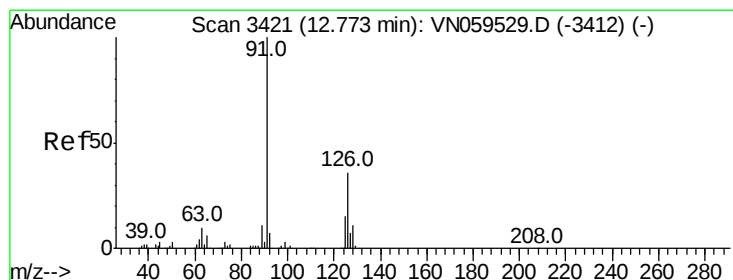
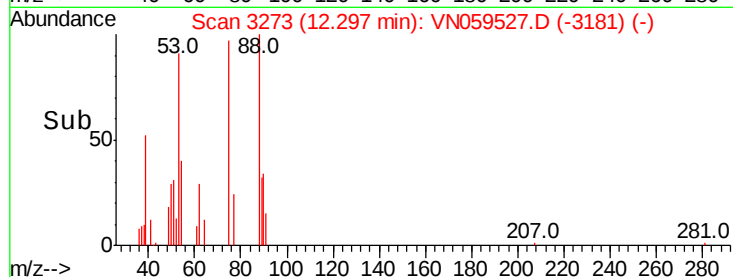
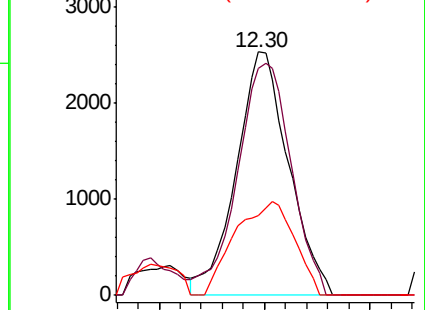
89 43.6 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 2.921 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059527.D

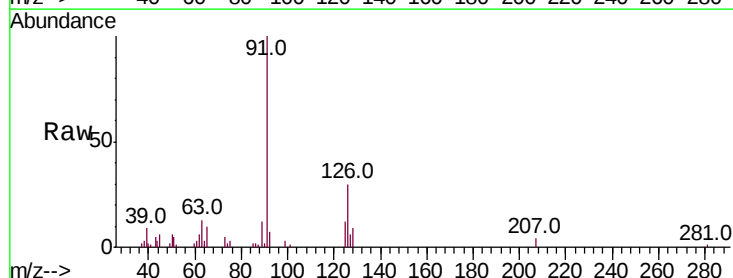
Acq: 9 Dec 2019 15:08

Tgt Ion: 91 Resp: 27158

Ion Ratio Lower Upper

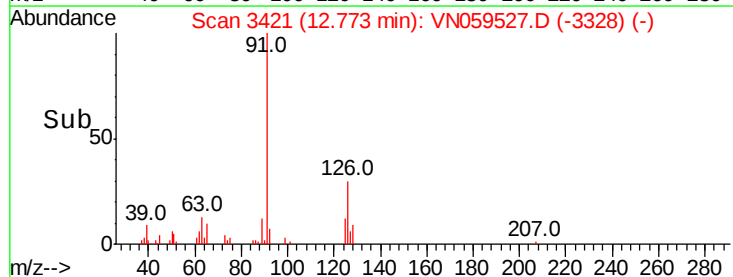
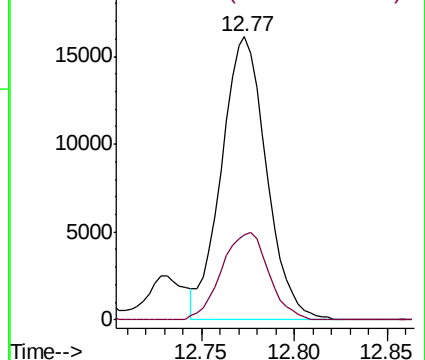
91 100

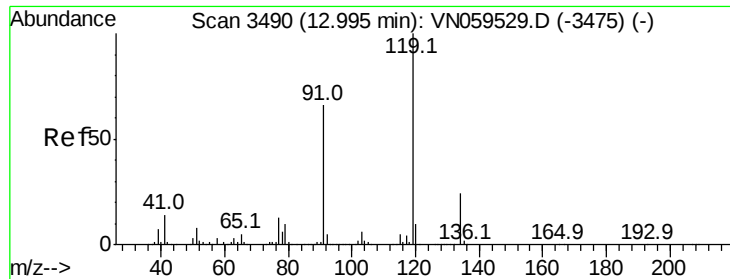
126 32.2 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.641 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

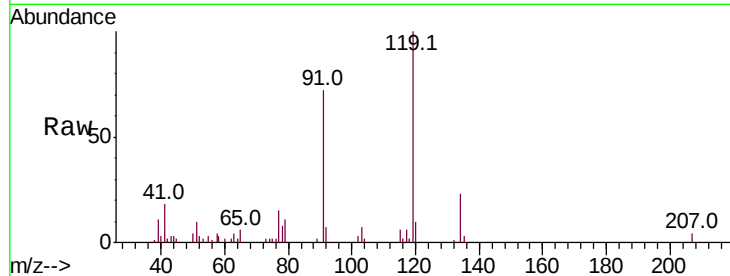
Tot Ion:119 Resp: 24518

Ion Ratio Lower Upper

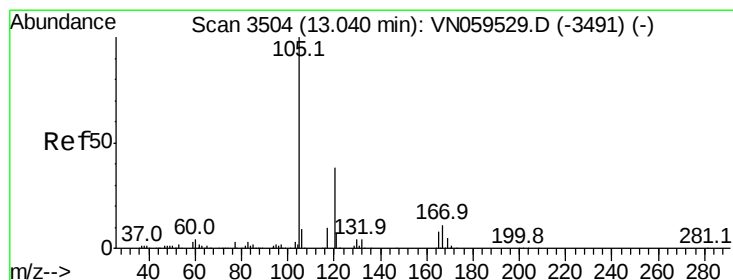
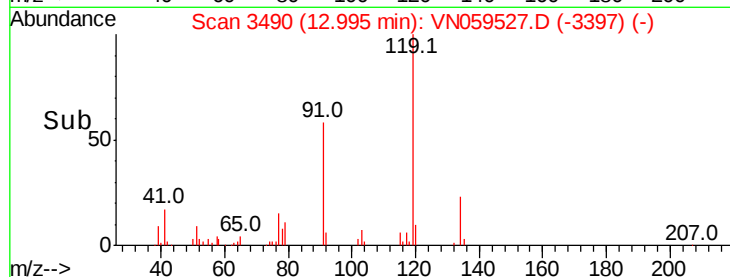
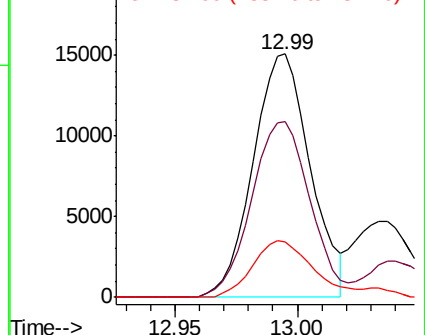
119 100

91 73.8 32.8 98.4

134 24.3 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.747 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059527.D

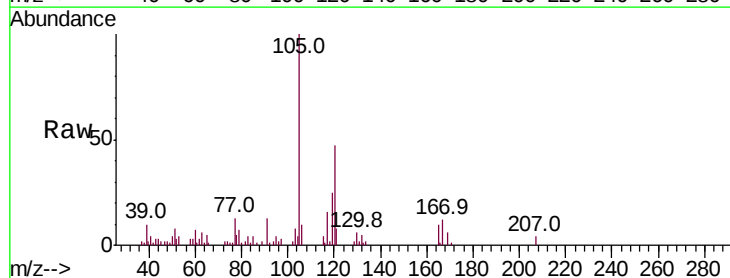
Acq: 9 Dec 2019 15:08

Tgt Ion:105 Resp: 28807

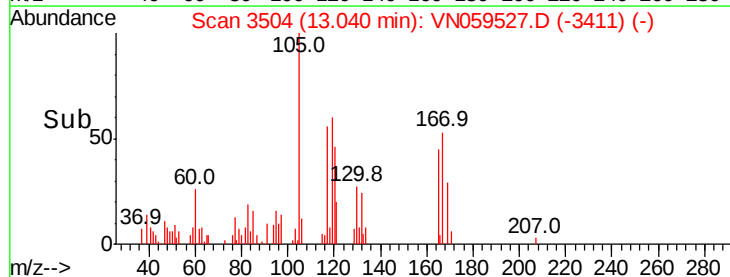
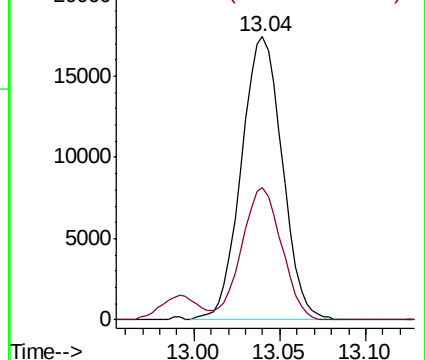
Ion Ratio Lower Upper

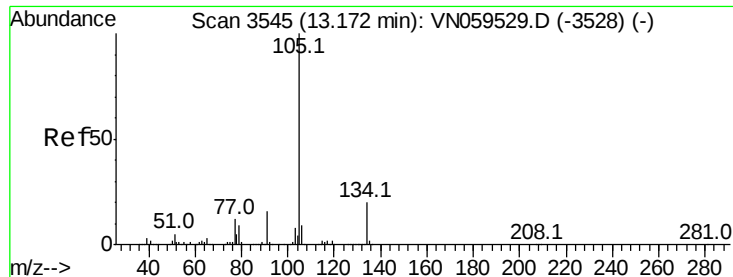
105 100

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: 2.793 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

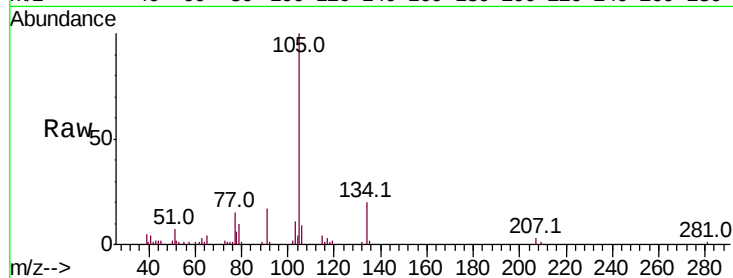
ClientSampled :

Tot Ion:105 Resp: 34454

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

25000

20000

15000

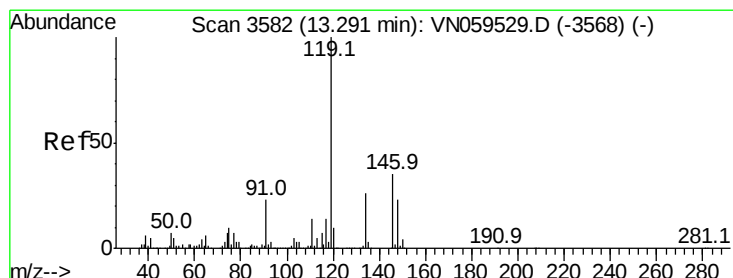
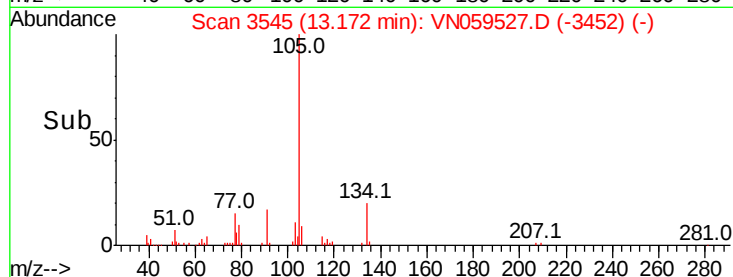
10000

5000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 2.686 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

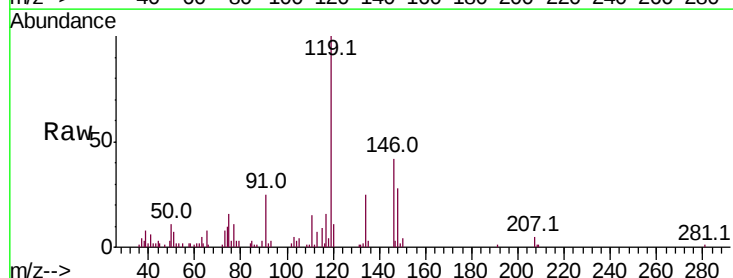
Tgt Ion:119 Resp: 29793

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

91 26.3 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

25000

20000

15000

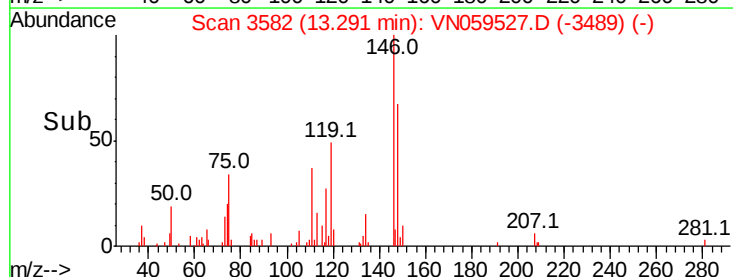
10000

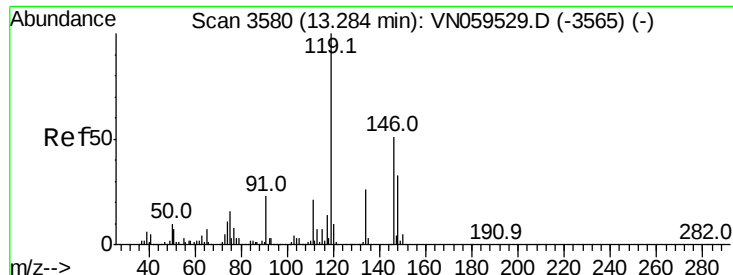
5000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 2.911 ug/l

RT: 13.28 min Scan# 3580

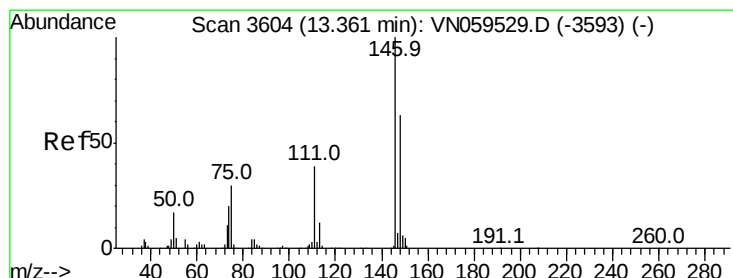
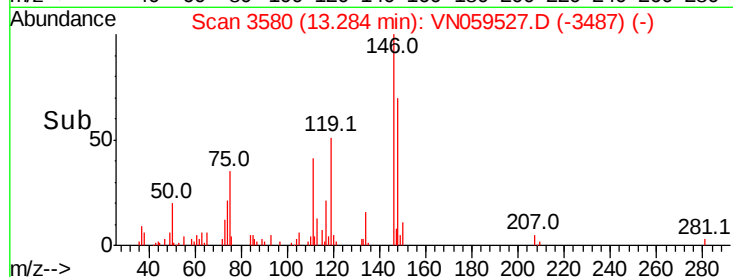
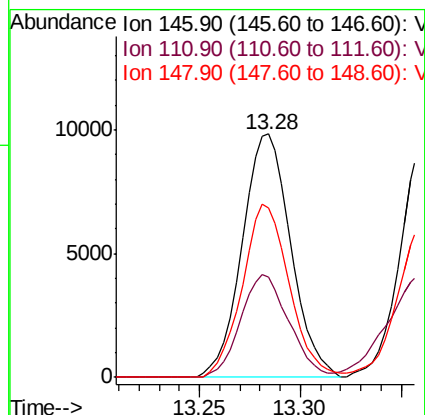
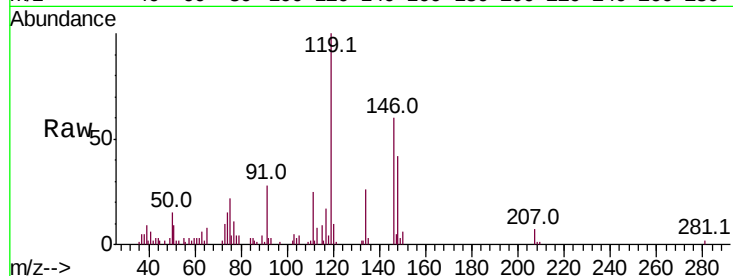
Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.8
148	68.9	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 3.097 ug/l

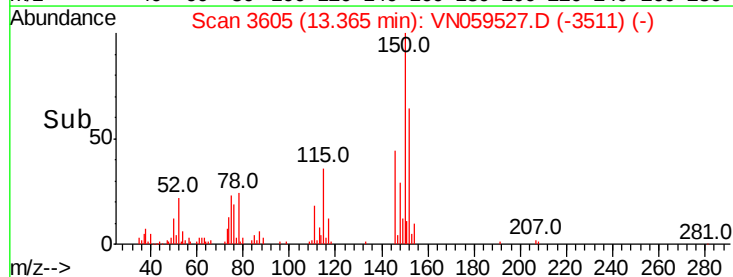
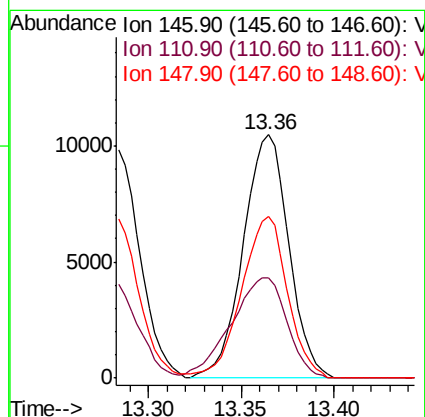
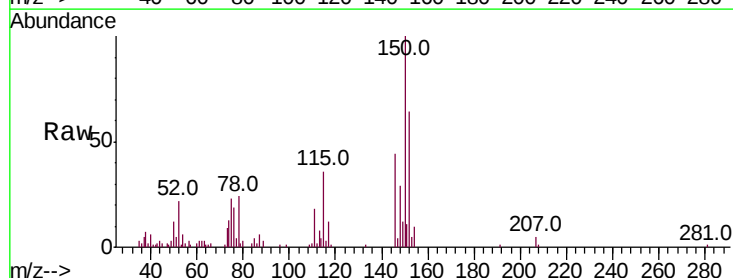
RT: 13.36 min Scan# 3605

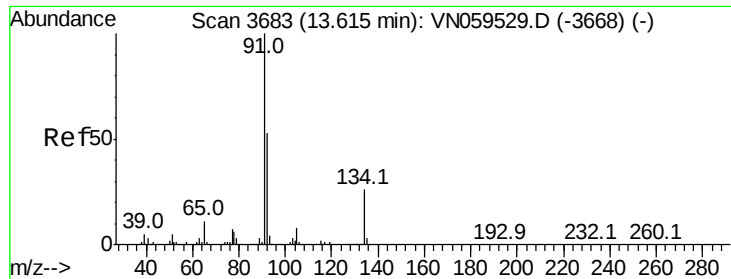
Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.8	20.0	59.9
148	66.9	31.9	95.7





#89

n-Butylbenzene

Concen: 2.891 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

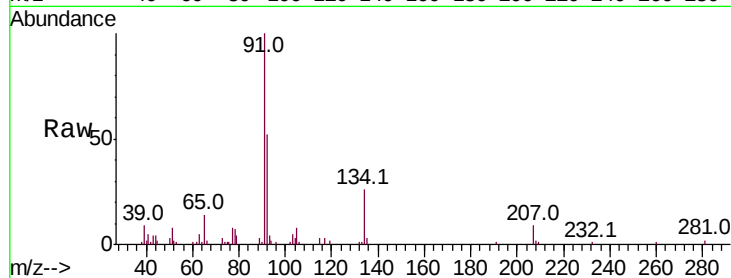
Tot Ion: 91 Resp: 28812

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

134 24.8 12.8 38.4

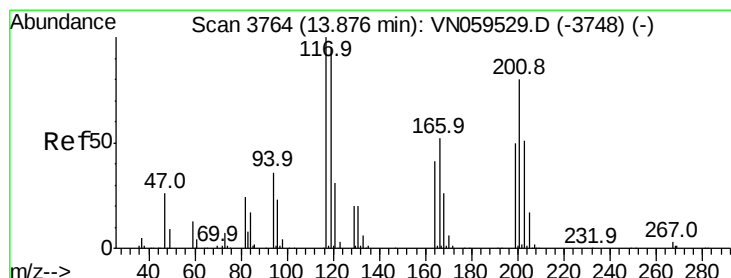
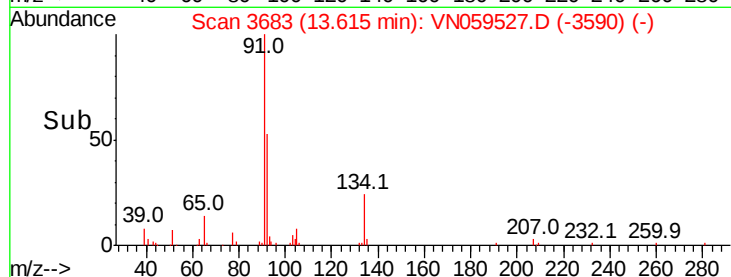


Abundance Ion 91.00 (90.70 to 91.70): VN059527.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059527.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059527.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 3.023 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN059527.D

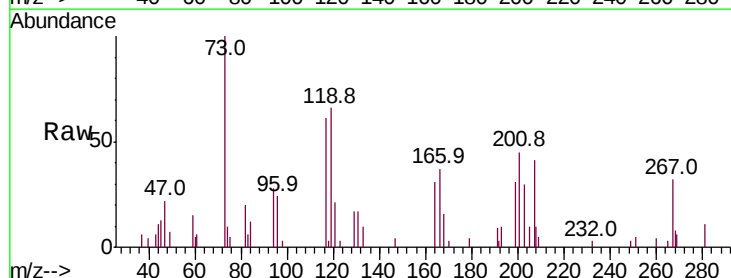
Acq: 9 Dec 2019 15:08

Tgt Ion: 117 Resp: 6461

Ion Ratio Lower Upper

117 100

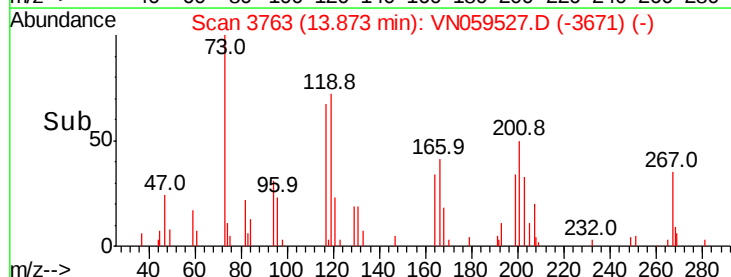
201 72.6 40.5 121.5

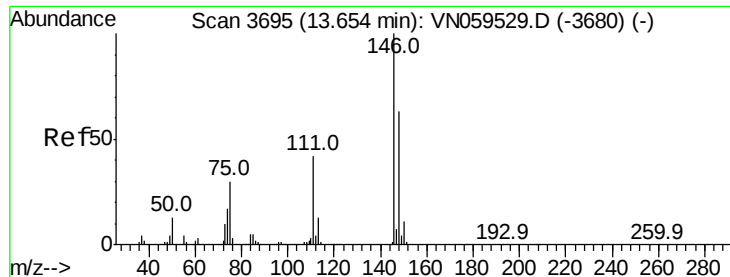


Abundance Ion 116.80 (116.50 to 117.50): VN059527.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN059527.D (-3748) (-)

Time-->

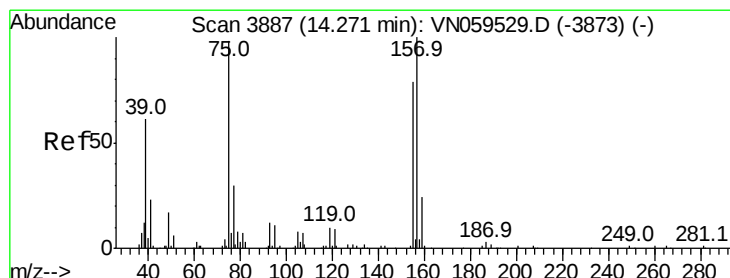
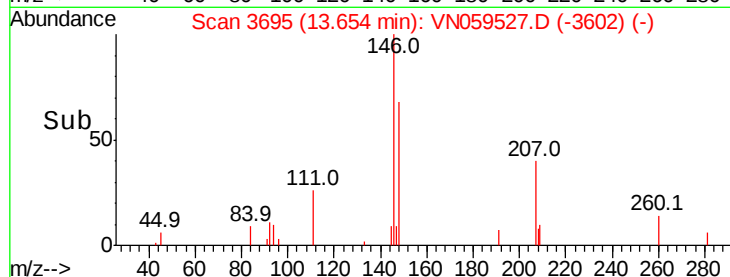
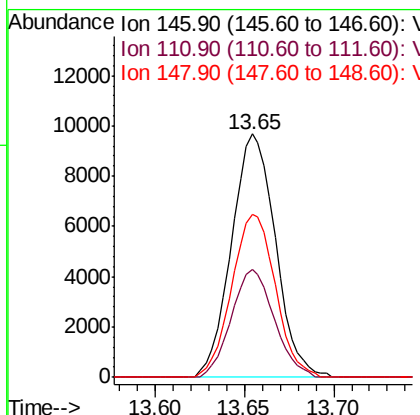
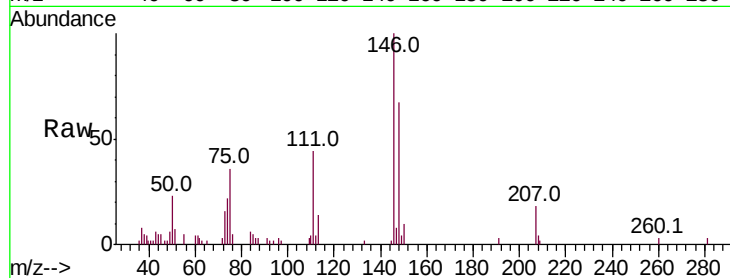




#91
 1,2-Dichlorobenzene
 Concen: 3.039 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

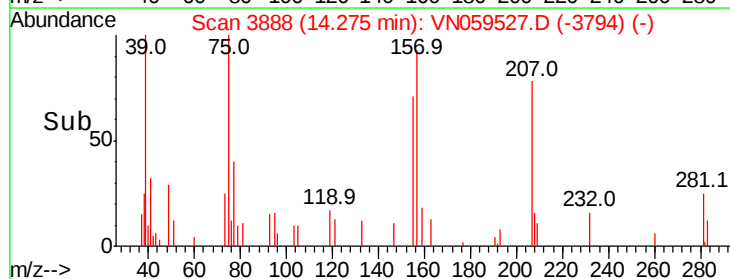
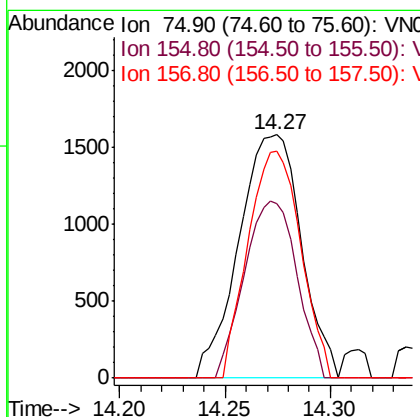
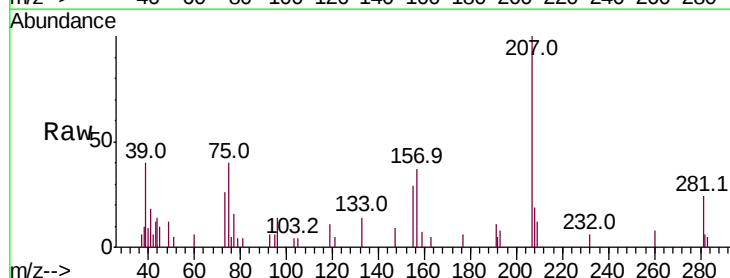
Instrument :
 MSVOA_N
 ClientSampled :

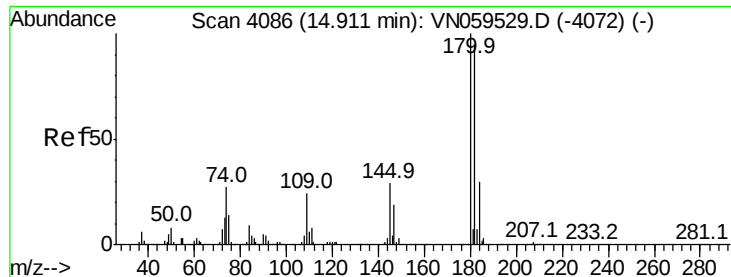
Tot Ion:146 Resp: 16584
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.9 62.7
 148 66.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.286 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion: 75 Resp: 3256
 Ion Ratio Lower Upper
 75 100
 155 61.2 40.4 121.1
 157 78.8 51.1 153.3

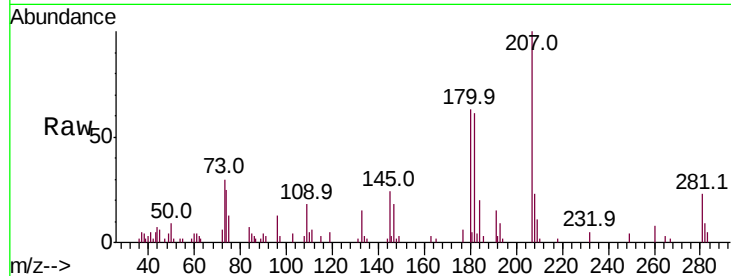




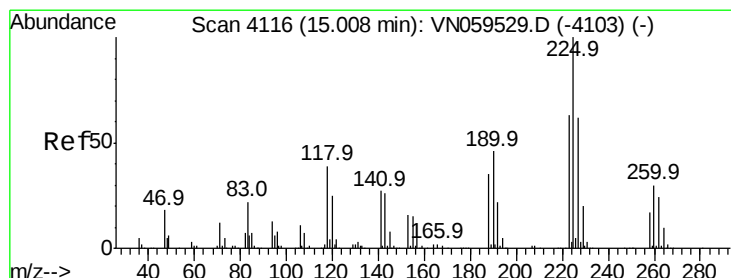
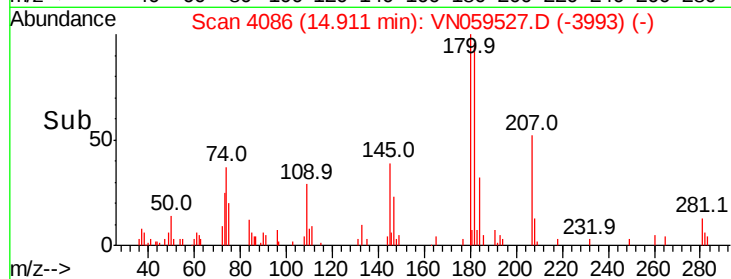
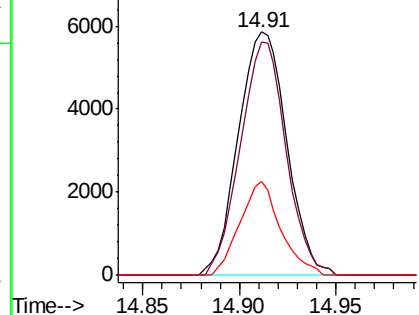
#93
 1,2,4-Trichlorobenzene
 Concen: 2.969 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.5	47.3	142.0
145	32.5	14.9	44.7

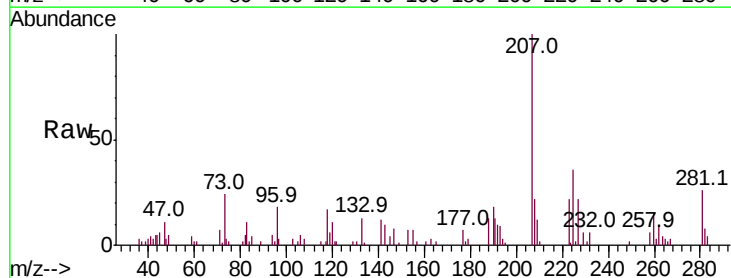


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

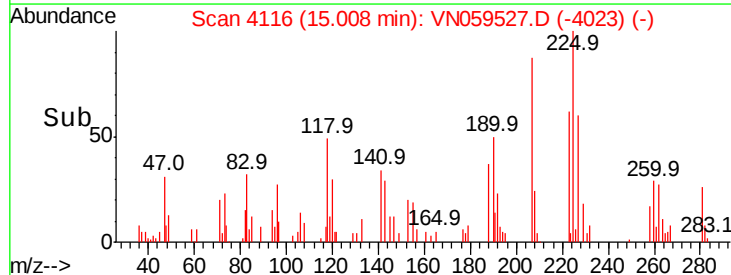
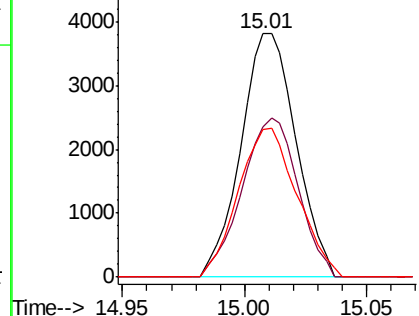


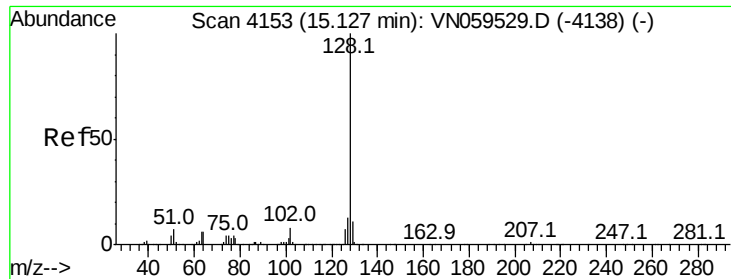
#94
 Hexachlorobutadiene
 Concen: 2.795 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	31.3	93.9
227	65.0	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: 2.597 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

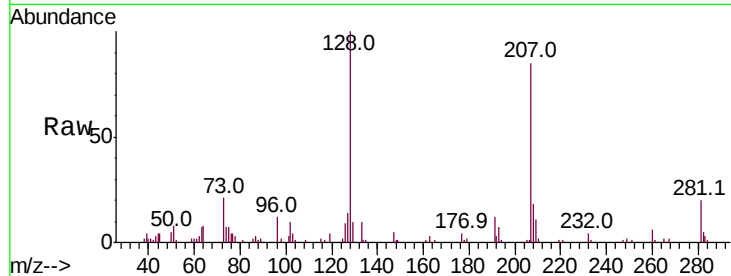
Tot Ion:128 Resp: 26132

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

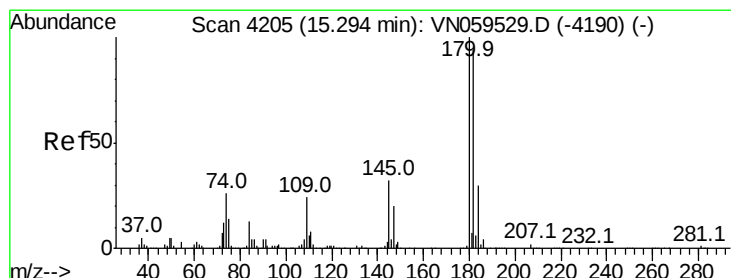
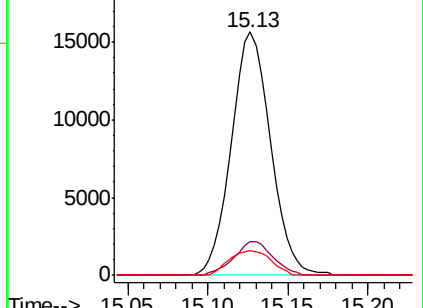
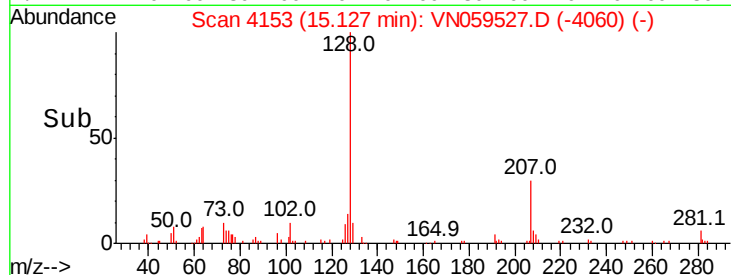
129 10.7 8.6 13.0



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: 2.809 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

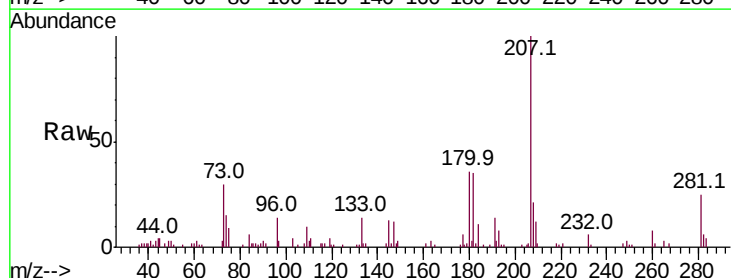
Tgt Ion:180 Resp: 10311

Ion Ratio Lower Upper

180 100

182 95.4 47.1 141.4

145 35.4 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

