

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059533.D
 Acq On : 9 Dec 2019 17:19
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 17:39:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	298967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	517639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	378668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	164602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	5938	1.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.20%	
35) Dibromofluoromethane	7.57	113	4046	1.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.58%	
50) Toluene-d8	10.08	98	13655	1.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.22%	
62) 4-Bromofluorobenzene	12.40	95	5044	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	3211	0.976	ug/l	98
3) Chloromethane	2.04	50	5408	1.204	ug/l	95
4) Vinyl Chloride	2.17	62	4876	1.611	ug/l	96
5) Bromomethane	2.54	94	3679	1.976	ug/l	83
6) Chloroethane	2.68	64	3169	1.792	ug/l	89
7) Trichlorofluoromethane	3.00	101	5465	1.514	ug/l	91
8) Diethyl Ether	3.39	74	2178	1.064	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2744	0.885	ug/l	98
10) Methyl Iodide	3.92	142	3596	0.924	ug/l #	84
11) Tert butyl alcohol	4.76	59	3359	4.947	ug/l #	71
12) 1,1-Dichloroethene	3.72	96	2704	0.898	ug/l	94
13) Acrolein	3.59	56	1903	3.644	ug/l	99
14) Allyl chloride	4.29	41	5783	0.967	ug/l	96
15) Acrylonitrile	4.97	53	7712	4.192	ug/l	90
16) Acetone	3.80	43	11799	4.837	ug/l #	85
17) Carbon Disulfide	4.03	76	16100	1.556	ug/l	100
18) Methyl Acetate	4.30	43	2598	0.531	ug/l #	76
19) Methyl tert-butyl Ether	5.00	73	3948	0.381	ug/l	98
20) Methylene Chloride	4.53	84	5371	1.401	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	3305	0.976	ug/l	87
22) Diisopropyl ether	5.93	45	9372	0.841	ug/l	95
23) Vinyl Acetate	5.87	43	36717	4.086	ug/l	99
24) 1,1-Dichloroethane	5.82	63	5842	0.924	ug/l #	85
25) 2-Butanone	6.82	43	11096	4.023	ug/l	96
26) 2,2-Dichloropropane	6.79	77	5622	1.018	ug/l #	67
27) cis-1,2-Dichloroethene	6.81	96	3439	0.912	ug/l	97
28) Bromochloromethane	7.17	49	1107	0.549	ug/l #	52
29) Tetrahydrofuran	7.19	42	8076	4.635	ug/l	99
30) Chloroform	7.35	83	5561	0.904	ug/l	99
31) Cyclohexane	7.64	56	11803	1.939	ug/l #	25
32) 1,1,1-Trichloroethane	7.54	97	5106	0.952	ug/l #	37
36) 1,1-Dichloropropene	7.77	75	5480	1.039	ug/l	95
37) Ethyl Acetate	6.91	43	3469	0.588	ug/l #	83
38) Carbon Tetrachloride	7.75	117	4916	0.964	ug/l	92

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 ClientSampleId :

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	5345	0.849	ug/l	92
40) Benzene	8.02	78	15702	1.021	ug/l	99
41) Methacrylonitrile	7.16	41	2096	0.862	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	5073	0.950	ug/l	87
43) Isopropyl Acetate	8.15	43	7936	0.900	ug/l #	71
44) Trichloroethene	8.82	130	3918	0.977	ug/l	92
45) 1,2-Dichloropropane	9.11	63	3712	0.902	ug/l	95
46) Dibromomethane	9.20	93	2636	1.023	ug/l	94
47) Bromodichloromethane	9.39	83	4691	0.905	ug/l #	93
48) Methyl methacrylate	9.19	41	3086	0.777	ug/l	96
49) 1,4-Dioxane	9.19	88	816	13.946	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	17630	3.374	ug/l	99
52) Toluene	10.15	92	6557	0.707	ug/l	86
53) t-1,3-Dichloropropene	10.38	75	4708	0.774	ug/l	91
54) cis-1,3-Dichloropropene	9.83	75	5344	0.833	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	2923	0.798	ug/l #	84
56) Ethyl methacrylate	10.42	69	3160	0.595	ug/l #	82
57) 1,3-Dichloropropane	10.70	76	4722	0.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	7484	4.825	ug/l	94
59) 2-Hexanone	10.75	43	13523	3.439	ug/l	94
60) Dibromochloromethane	10.90	129	2882	0.732	ug/l	99
61) 1,2-Dibromoethane	11.00	107	2963	0.781	ug/l	92
64) Tetrachloroethene	10.63	164	2798	0.912	ug/l	99
65) Chlorobenzene	11.43	112	8004	0.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	2785	0.958	ug/l #	52
67) Ethyl Benzene	11.51	91	13159	0.930	ug/l	93
68) m/p-Xylenes	11.62	106	9360	1.762	ug/l	92
69) o-Xylene	11.95	106	4298	0.849	ug/l	88
70) Styrene	11.97	104	7310	0.902	ug/l	92
71) Bromoform	12.13	173	1930	0.840	ug/l #	98
73) Isopropylbenzene	12.25	105	11524	0.919	ug/l	99
74) N-amyl acetate	12.07	43	3971	0.775	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	4182	1.027	ug/l #	94
76) 1,2,3-Trichloropropane	12.55	75	5932	1.475	ug/l #	100
77) Bromobenzene	12.52	156	3182	1.002	ug/l	92
78) n-propylbenzene	12.59	91	13761	0.933	ug/l	99
79) 2-Chlorotoluene	12.67	91	8359	0.939	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	9139	0.861	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	1358	0.917	ug/l #	82
82) 4-Chlorotoluene	12.77	91	9024	0.978	ug/l	99
83) tert-Butylbenzene	12.99	119	7860	0.854	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	9225	0.887	ug/l	97
85) sec-Butylbenzene	13.17	105	11032	0.901	ug/l	98
86) p-Isopropyltoluene	13.29	119	9421	0.856	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	6123	1.083	ug/l	100
88) 1,4-Dichlorobenzene	13.28	146	6123	1.073	ug/l	99
89) n-Butylbenzene	13.62	91	9997	1.011	ug/l	97
90) Hexachloroethane	13.88	117	1778	0.839	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	5769	1.066	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1496	1.522	ug/l #	59

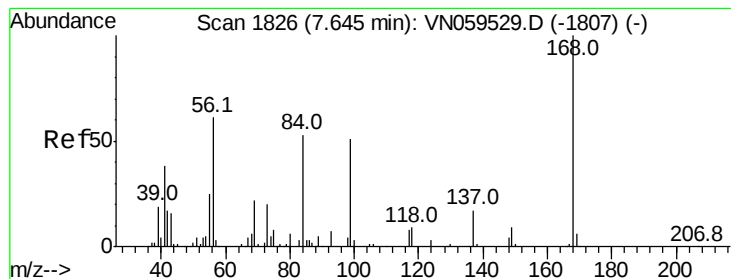
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	4644	1.364	ug/l	93
94) Hexachlorobutadiene	15.01	225	2076	0.980	ug/l	89
95) Naphthalene	15.13	128	14037	1.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	5486	1.507	ug/l	91

(#) = 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: VN059533.D

Acq: 9 Dec 2019 17:19

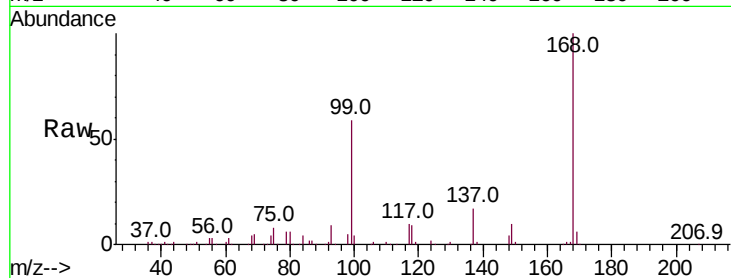
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 298967

Ion Ratio Lower Upper

168 100

99 58.9 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

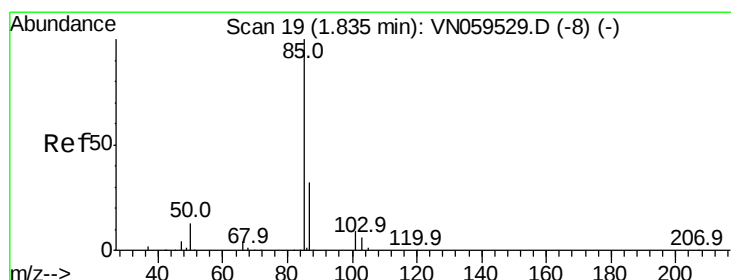
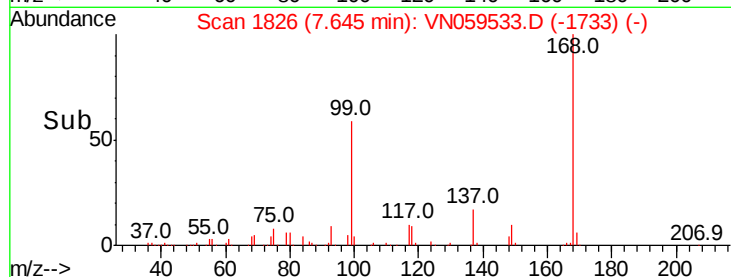
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 0.976 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059533.D

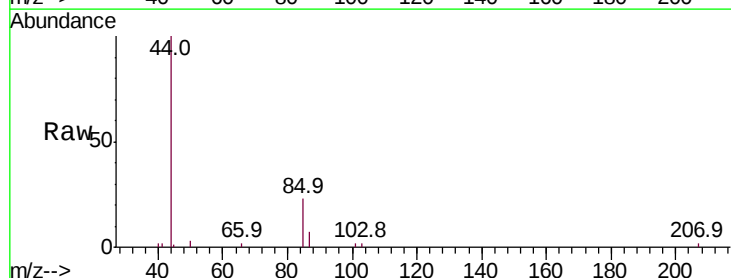
Acq: 9 Dec 2019 17:19

Tgt Ion: 85 Resp: 3211

Ion Ratio Lower Upper

85 100

87 32.9 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

3000

2500

2000

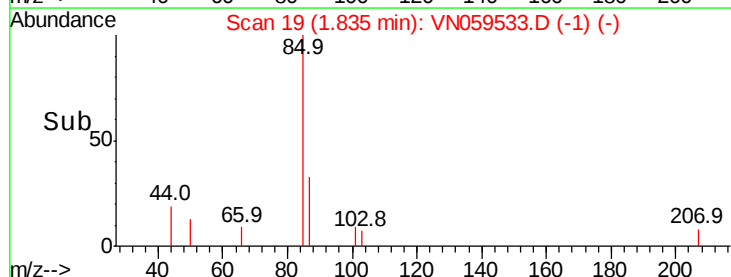
1500

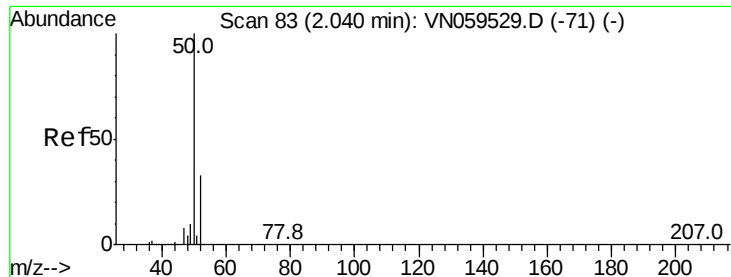
1000

500

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: 1.204 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

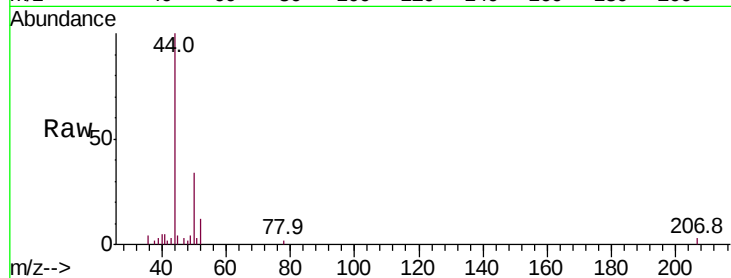
ClientSampled :

Tot Ion: 50 Resp: 5408

Ion Ratio Lower Upper

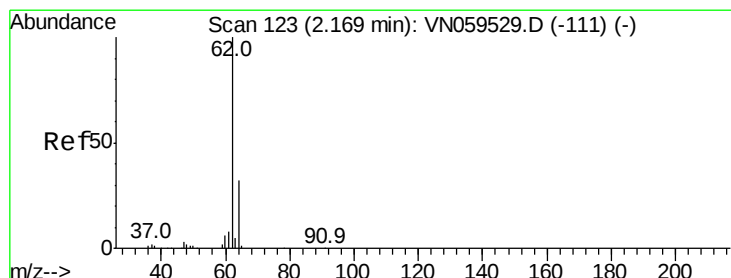
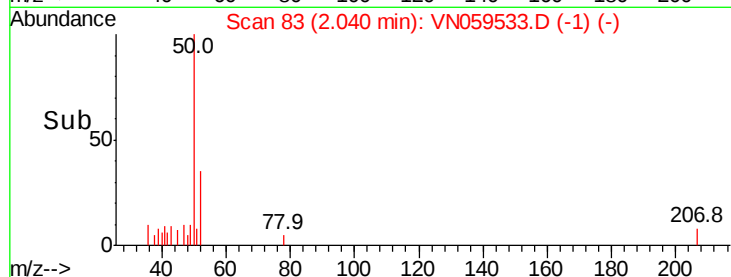
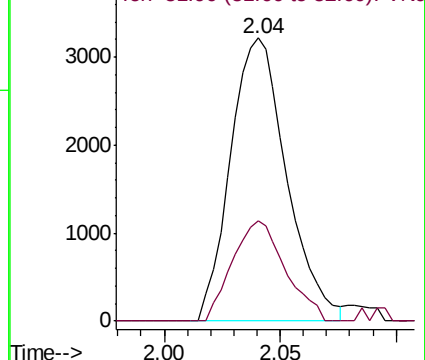
50 100

52 35.5 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 1.611 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059533.D

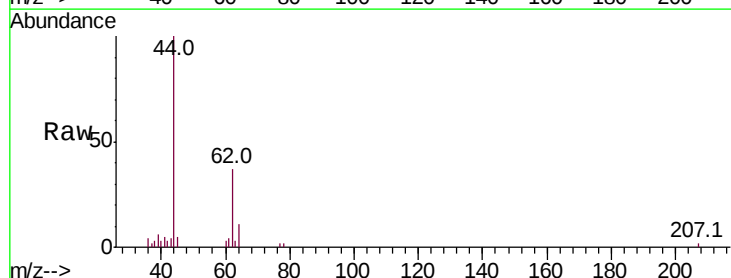
Acq: 9 Dec 2019 17:19

Tgt Ion: 62 Resp: 4876

Ion Ratio Lower Upper

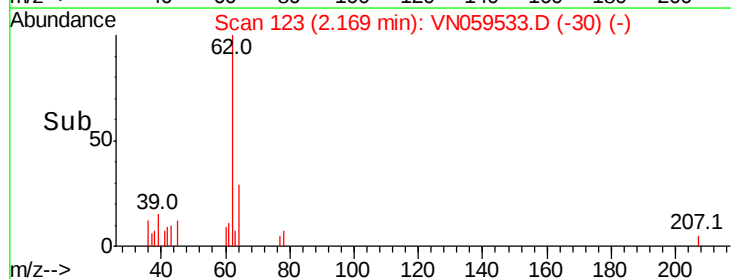
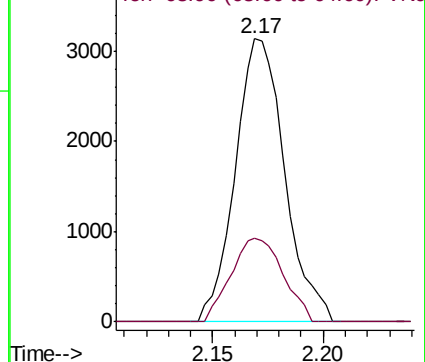
62 100

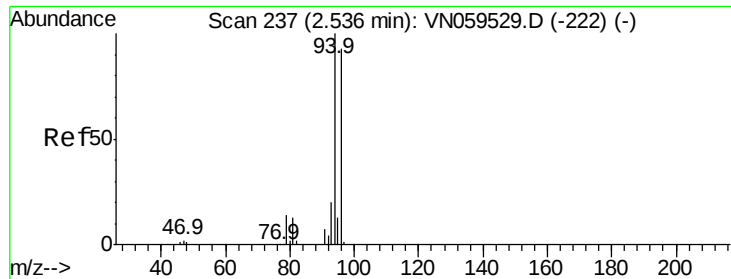
64 29.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

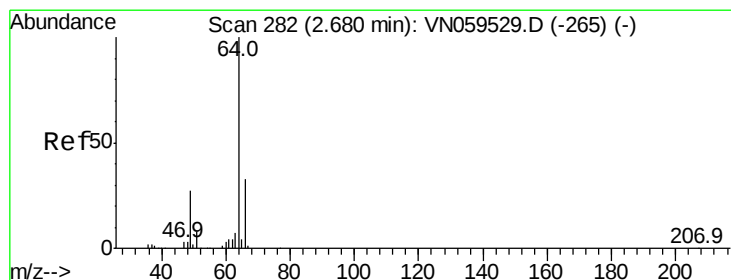
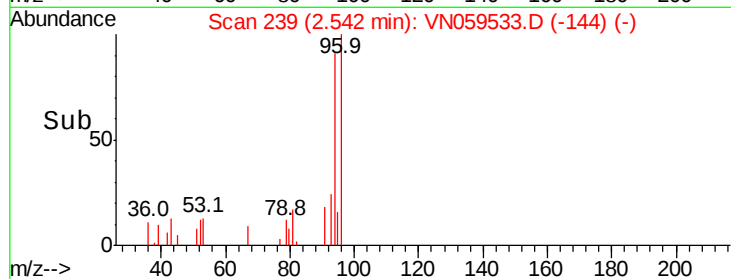
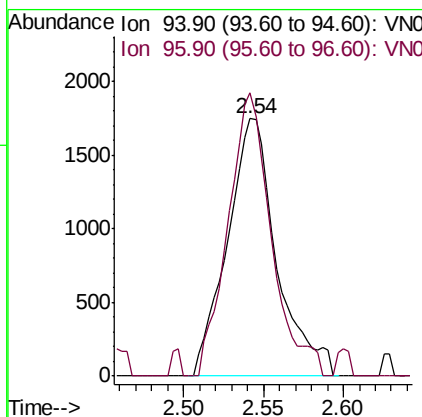
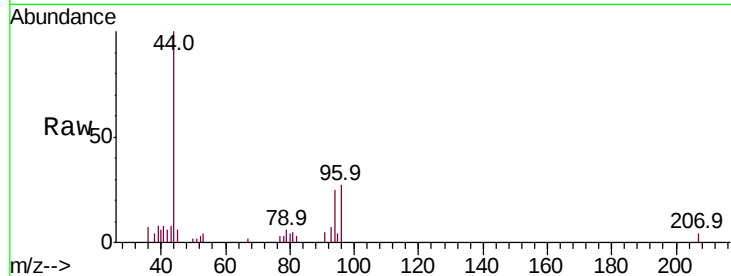




#5
Bromomethane
Concen: 1.976 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

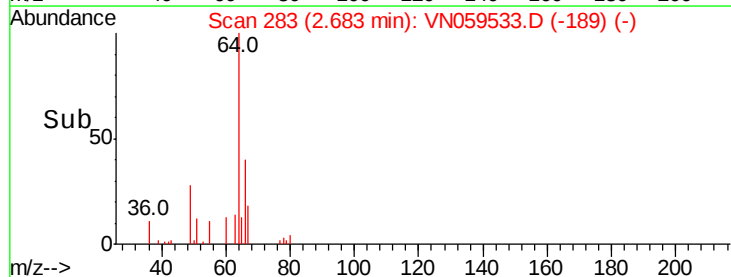
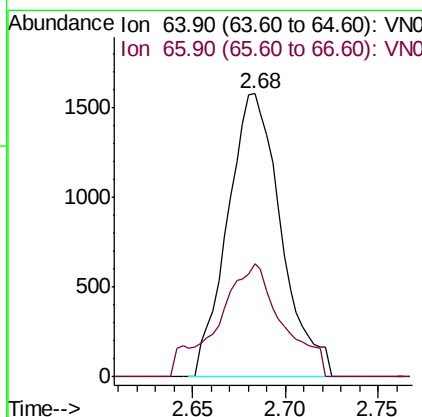
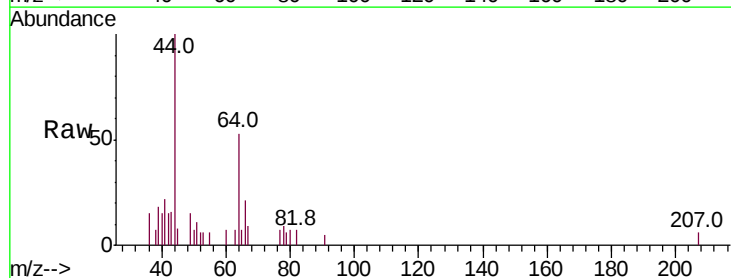
Instrument :
MSVOA_N
ClientSampleId :

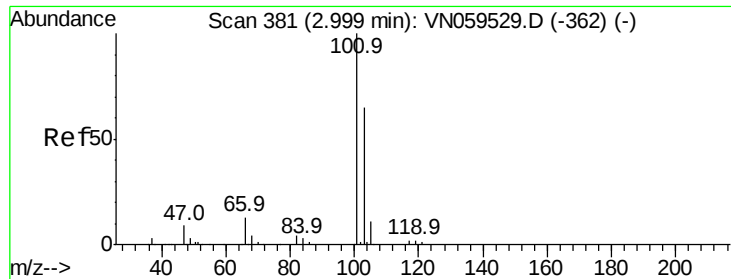
Tot Ion: 94 Resp: 3679
Ion Ratio Lower Upper
94 100
96 110.0 74.6 112.0



#6
Chloroethane
Concen: 1.792 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 64 Resp: 3169
Ion Ratio Lower Upper
64 100
66 39.8 26.7 40.1



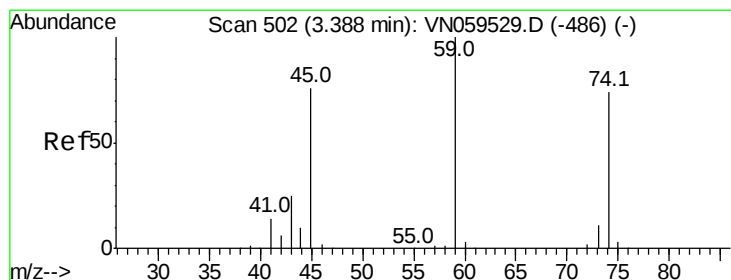
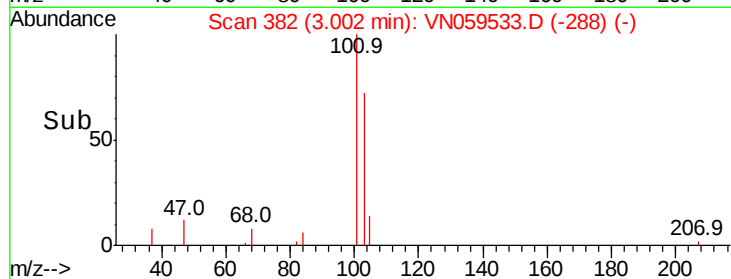
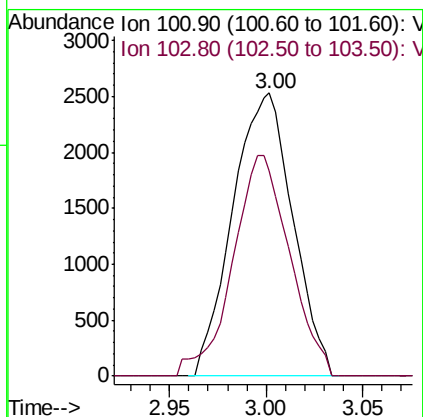
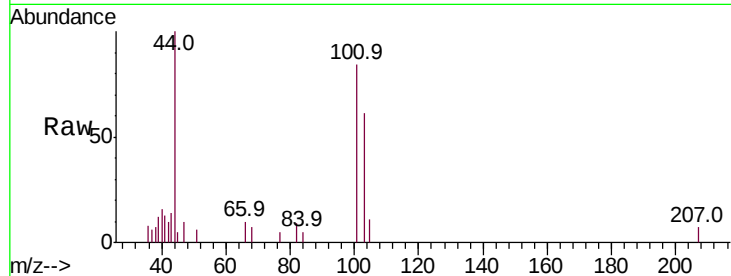


#7

Trichlorofluoromethane
Concen: 1.514 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

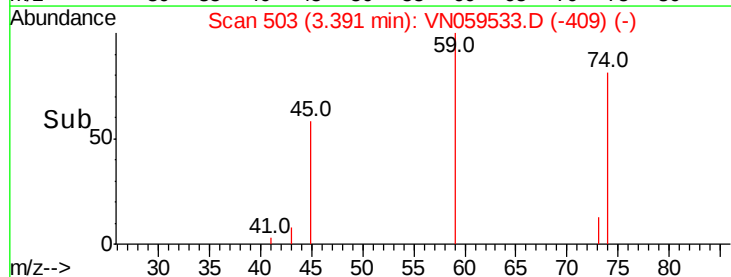
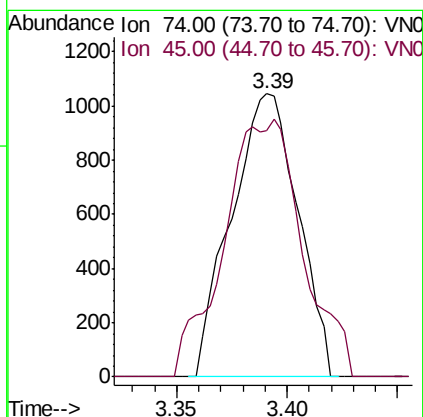
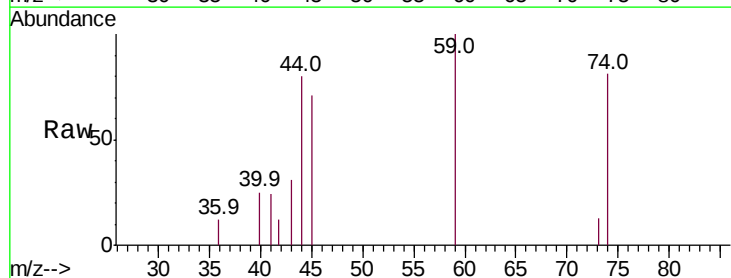
Tot Ion:101 Resp: 5465
Ion Ratio Lower Upper
101 100
103 72.3 52.2 78.4

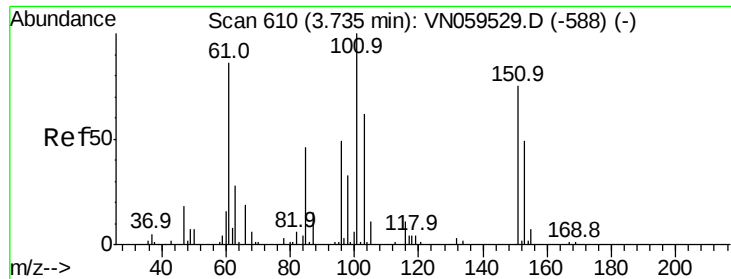


#8

Diethyl Ether
Concen: 1.064 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 74 Resp: 2178
Ion Ratio Lower Upper
74 100
45 107.6 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.885 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

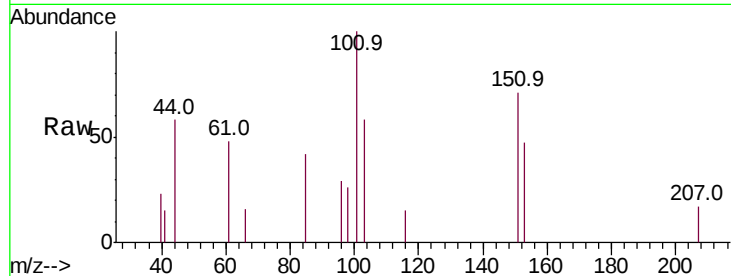
Tot Ion:101 Resp: 2744

Ion Ratio Lower Upper

101 100

85 45.6 36.6 54.8

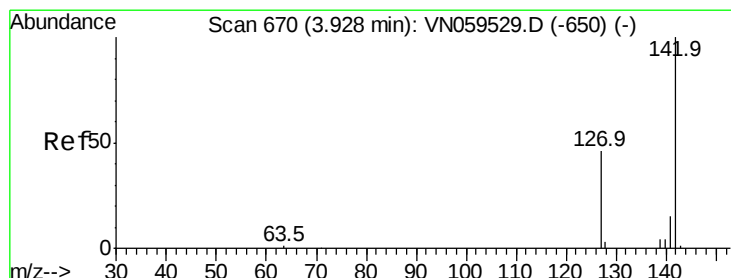
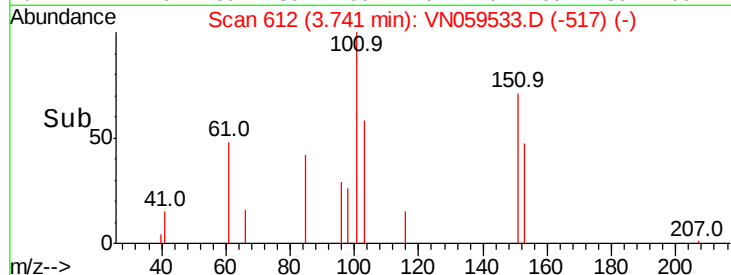
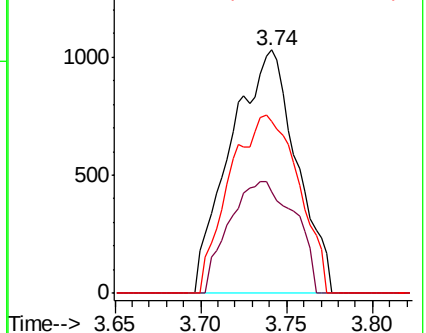
151 76.5 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.924 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

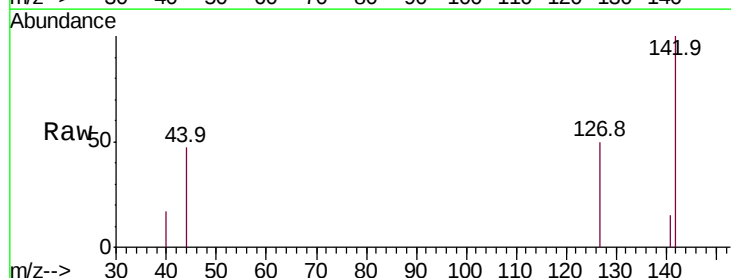
Tgt Ion:142 Resp: 3596

Ion Ratio Lower Upper

142 100

127 32.4 36.6 54.8#

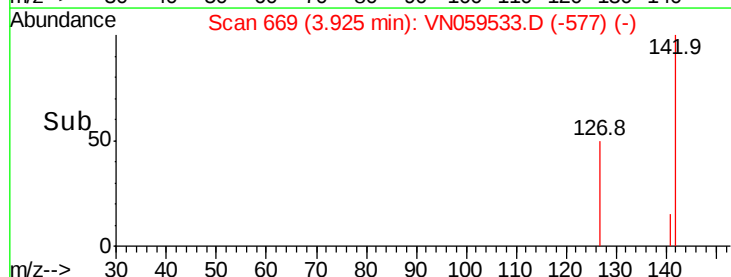
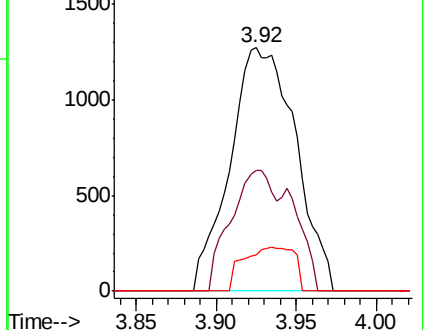
141 14.0 11.6 17.4

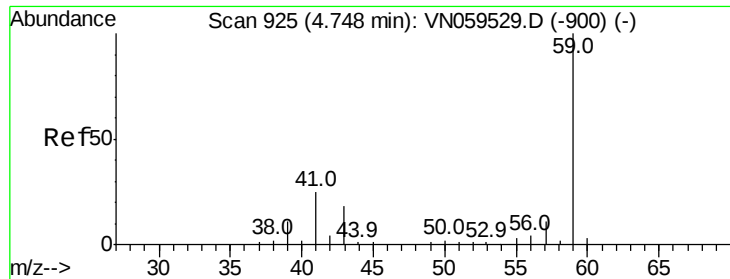


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

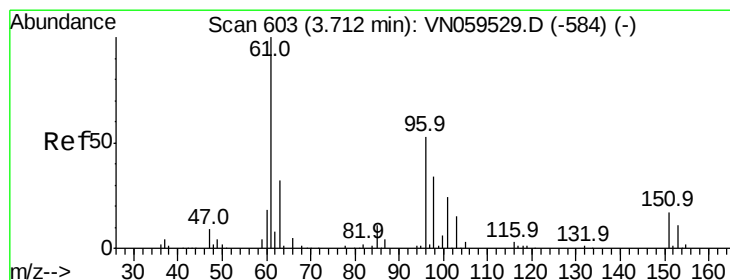
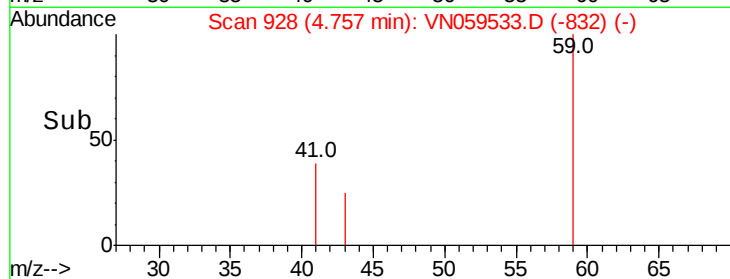
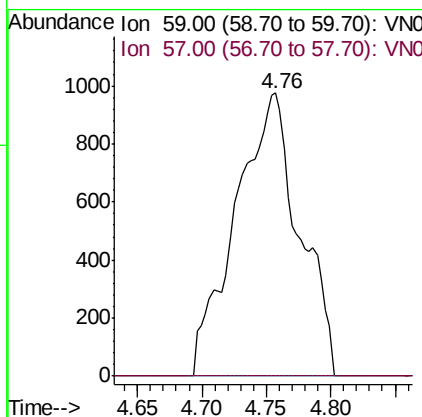
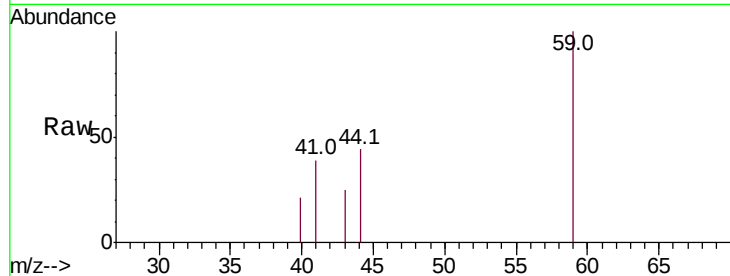




#11
Tert butyl alcohol
Concen: 4.947 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

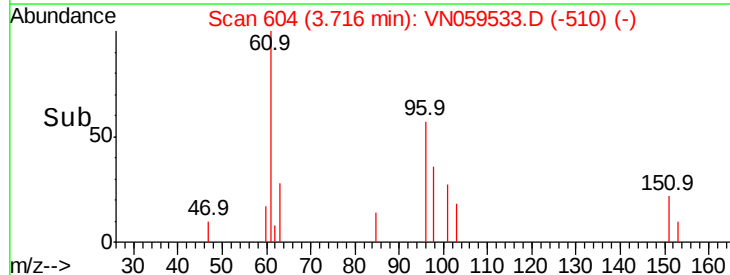
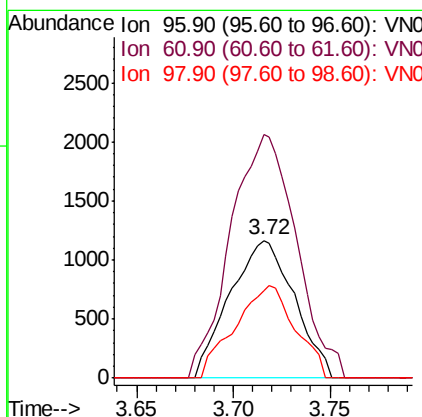
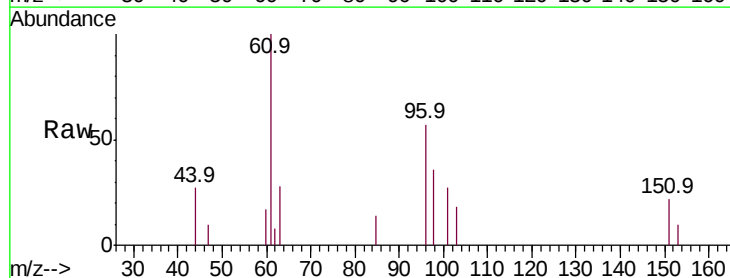
Instrument :
MSVOA_N
ClientSampled :

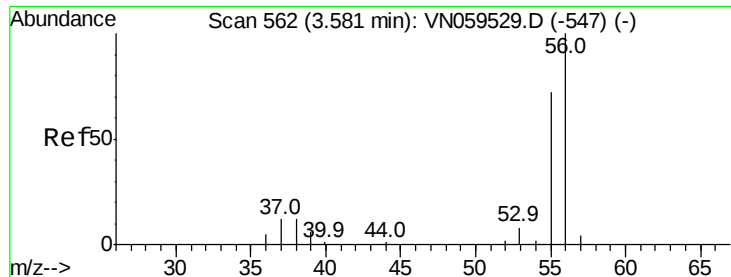
Tot Ion: 59 Resp: 3359
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 0.898 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 96 Resp: 2704
Ion Ratio Lower Upper
96 100
61 176.5 149.8 224.6
98 63.8 50.6 75.8





#13

Acrolein

Concen: 3.644 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

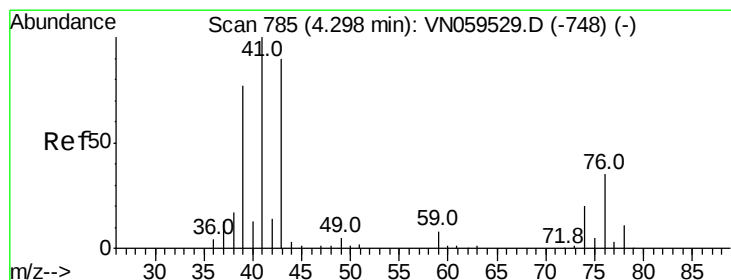
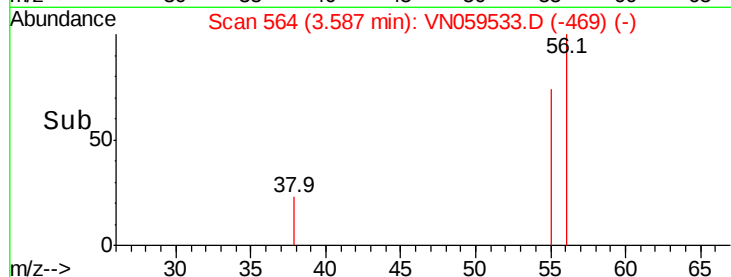
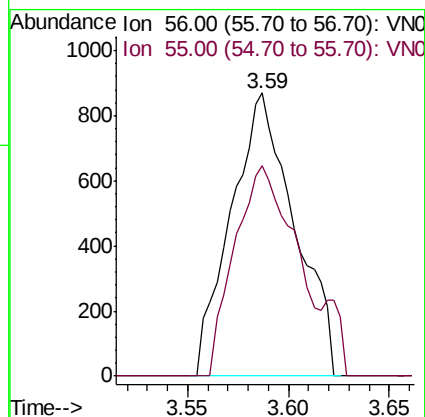
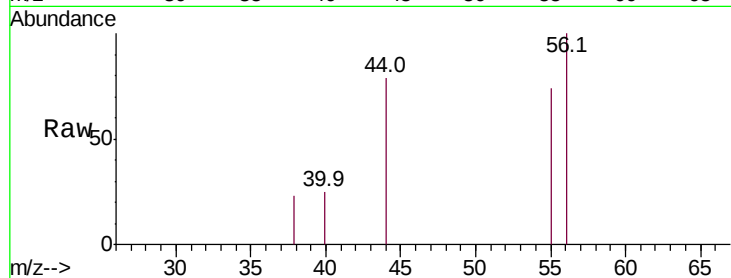
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 1903

Ion Ratio Lower Upper

56 100

55 72.0 56.9 85.3



#14

Allyl chloride

Concen: 0.967 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

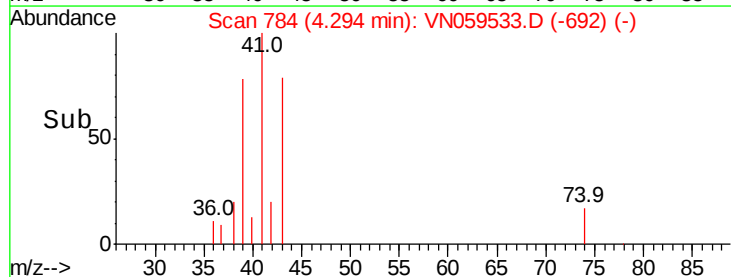
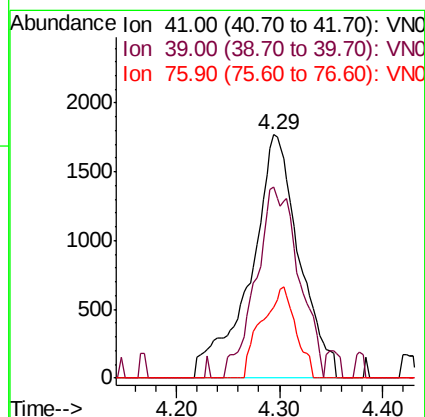
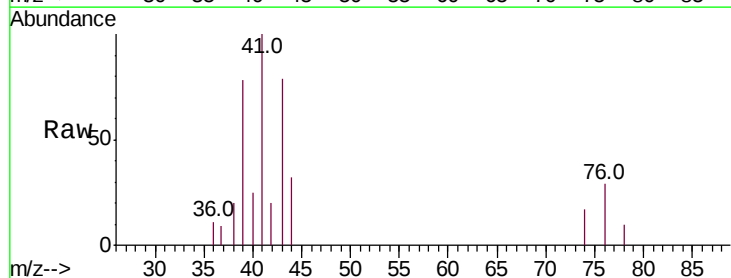
Tgt Ion: 41 Resp: 5783

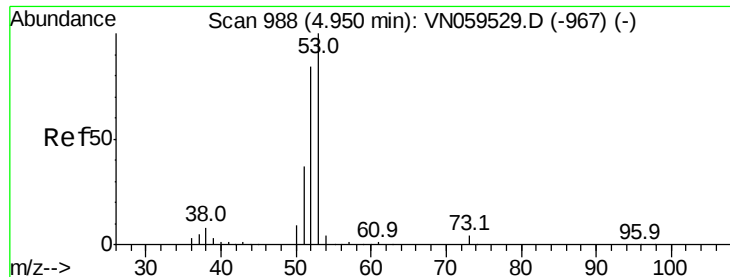
Ion Ratio Lower Upper

41 100

39 69.3 56.7 85.1

76 26.3 25.5 38.3





#15

Acrylonitrile

Concen: 4.192 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.02 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

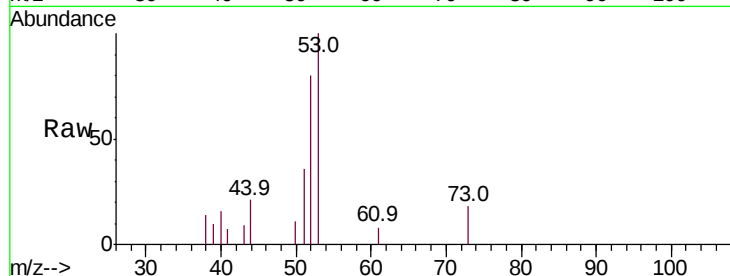
Tot Ion: 53 Resp: 7712

Ion Ratio Lower Upper

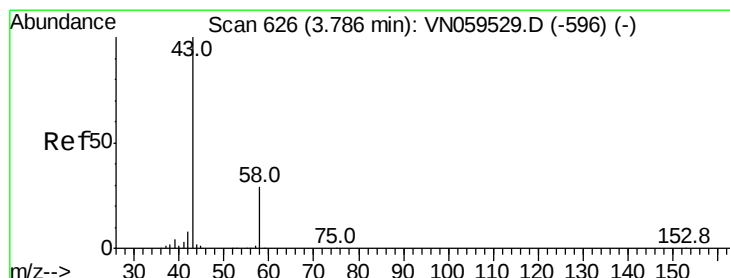
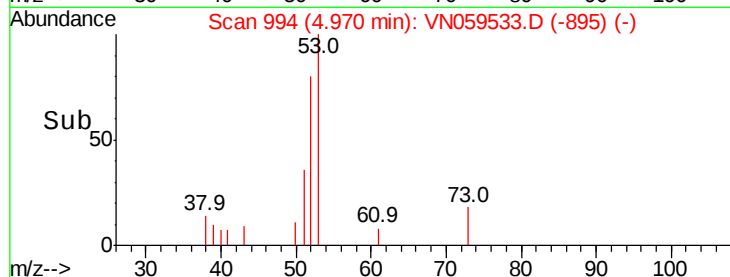
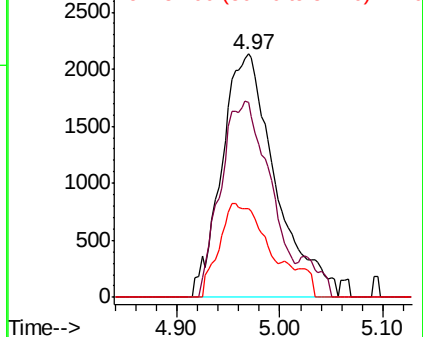
53 100

52 73.9 66.6 99.8

51 31.9 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 4.837 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059533.D

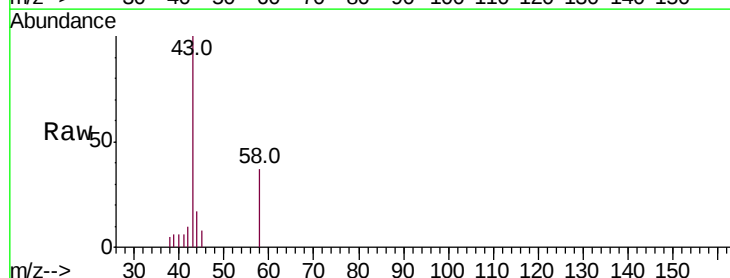
Acq: 9 Dec 2019 17:19

Tgt Ion: 43 Resp: 11799

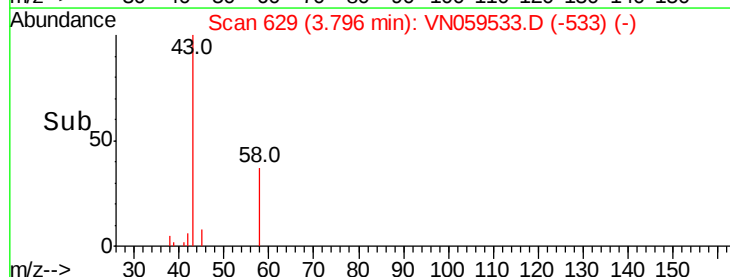
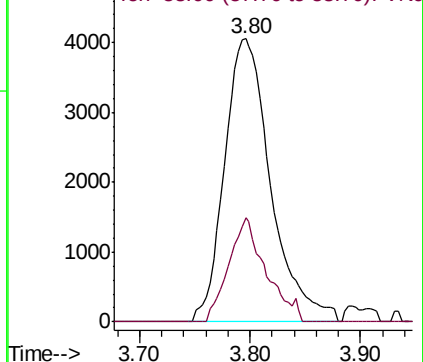
Ion Ratio Lower Upper

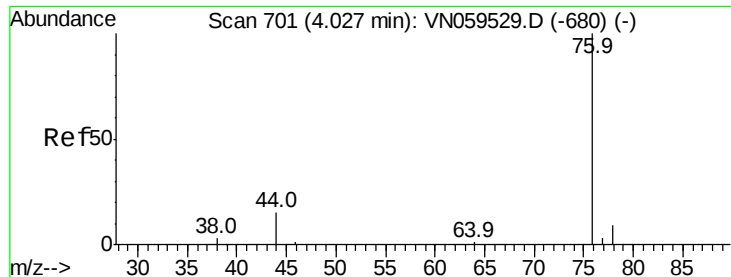
43 100

58 36.6 23.0 34.4#



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

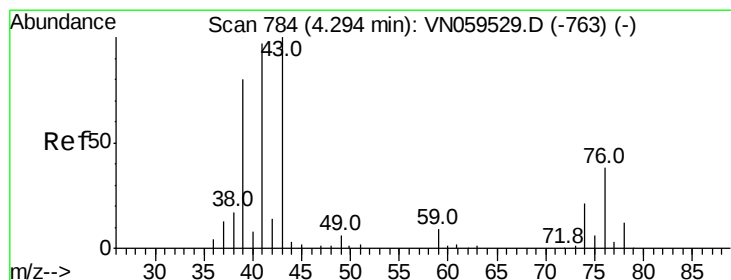
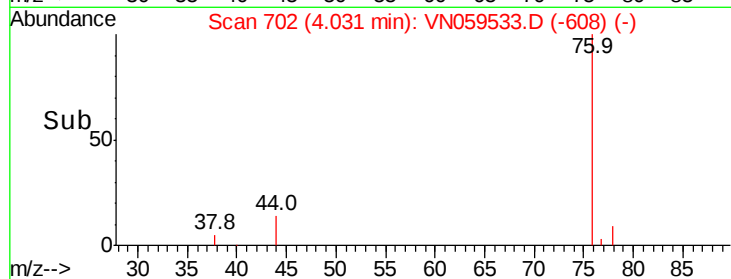
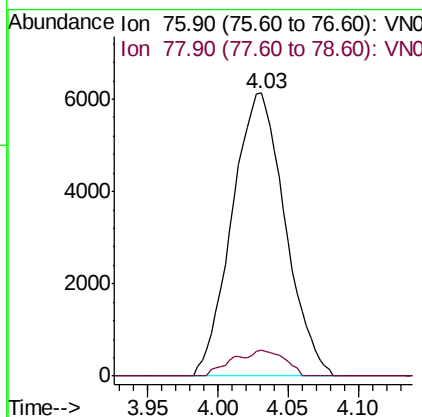
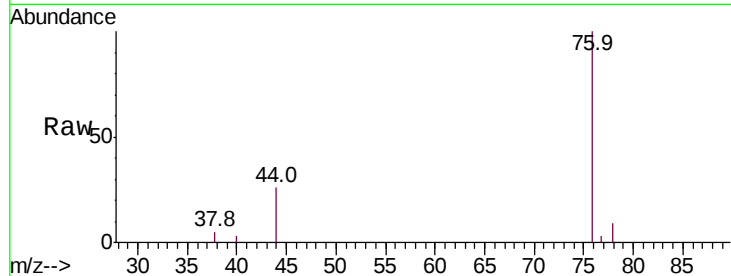




#17
Carbon Disulfide
Concen: 1.556 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

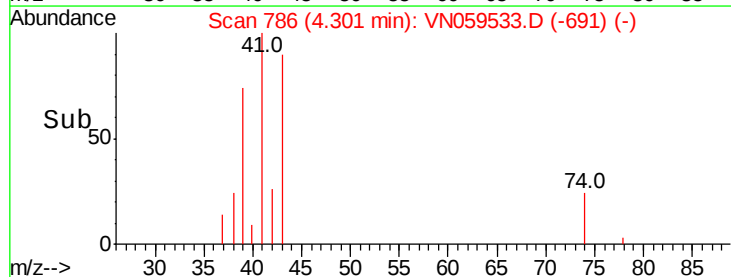
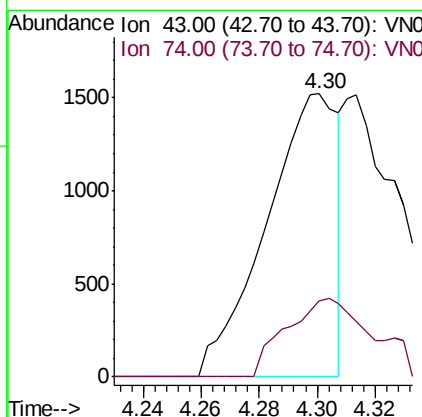
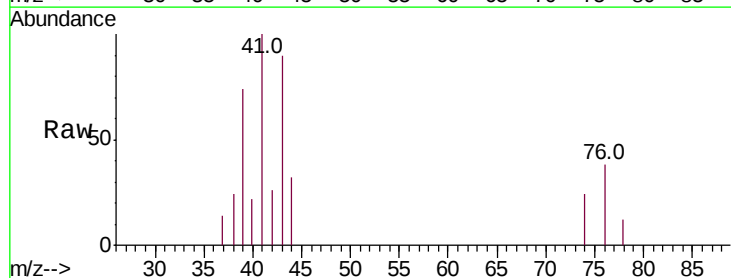
Instrument :
MSVOA_N
ClientSampleId :

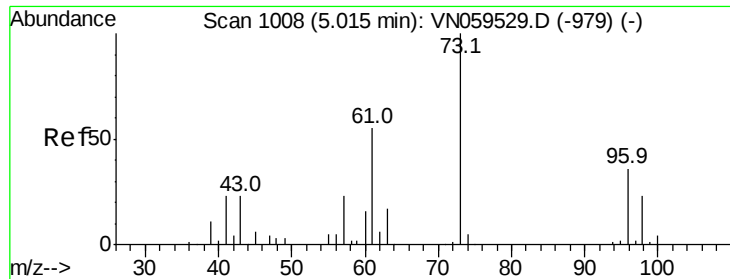
Tot Ion: 76 Resp: 16100
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 0.531 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 43 Resp: 2598
Ion Ratio Lower Upper
43 100
74 33.2 17.5 26.3#

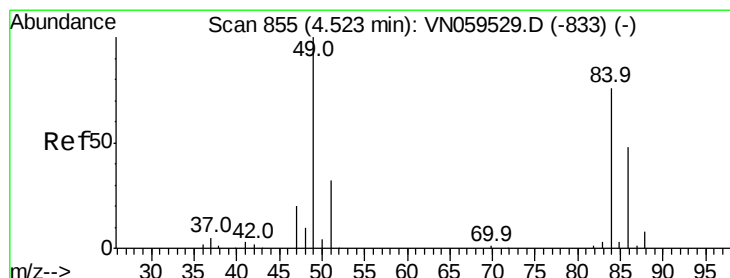
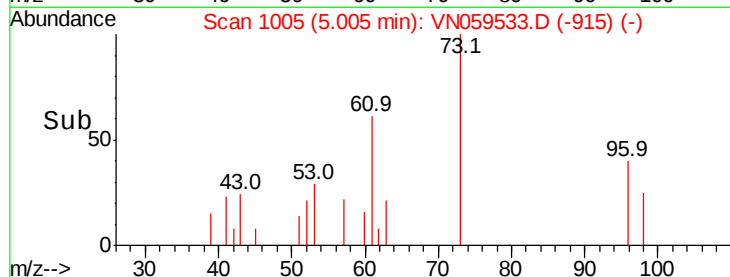
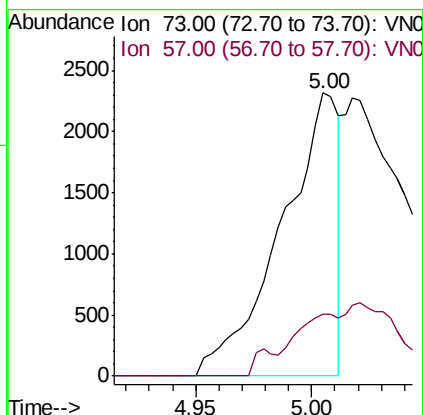
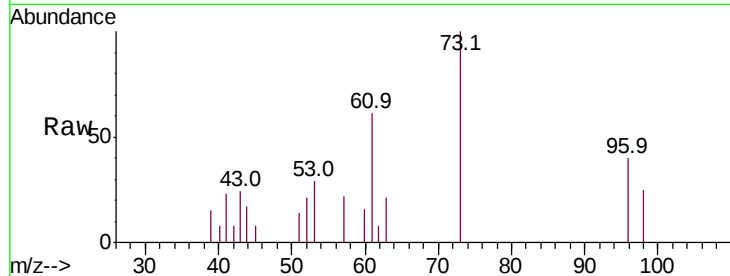




#19
Methyl tert-butyl Ether
Concen: 0.381 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

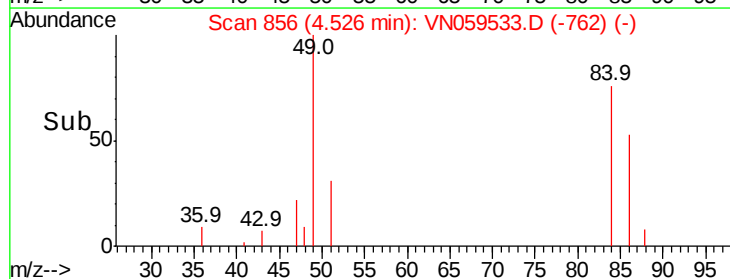
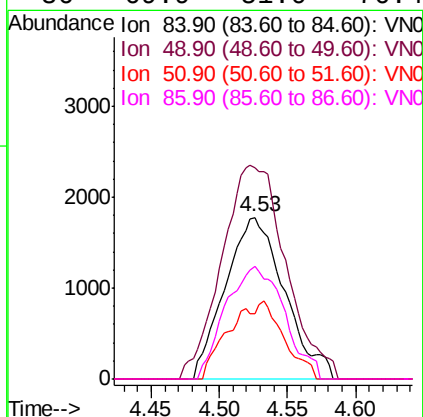
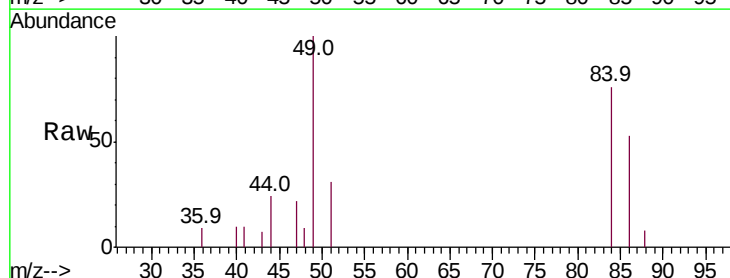
Instrument :
MSVOA_N
ClientSampled :

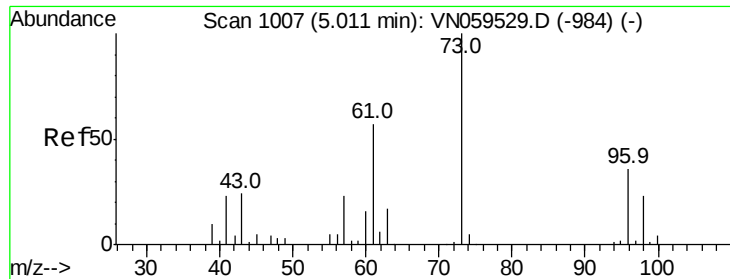
Tot Ion: 73 Resp: 3948
Ion Ratio Lower Upper
73 100
57 21.7 18.3 27.5



#20
Methylene Chloride
Concen: 1.401 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 84 Resp: 5371
Ion Ratio Lower Upper
84 100
49 131.1 105.8 158.8
51 40.7 33.7 50.5
86 69.9 51.0 76.4

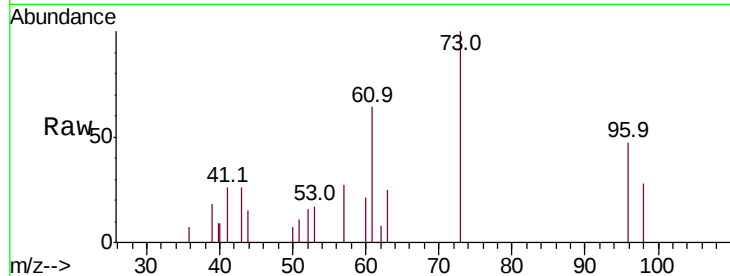




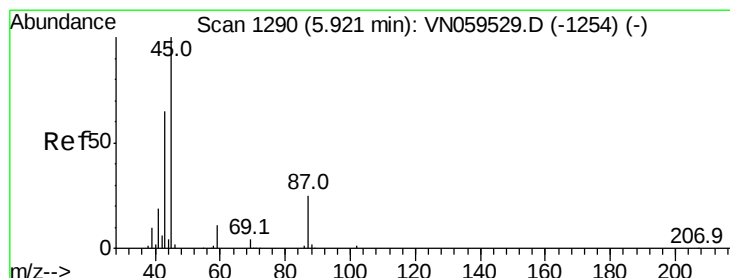
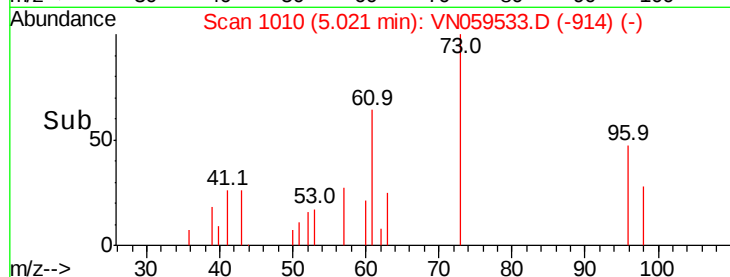
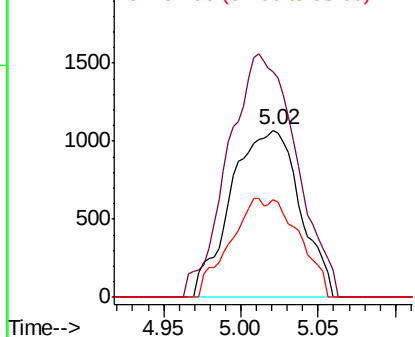
#21
trans-1,2-Dichloroethene
Concen: 0.976 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 3305
Ion Ratio Lower Upper
96 100
61 135.1 124.8 187.2
98 58.6 51.0 76.4

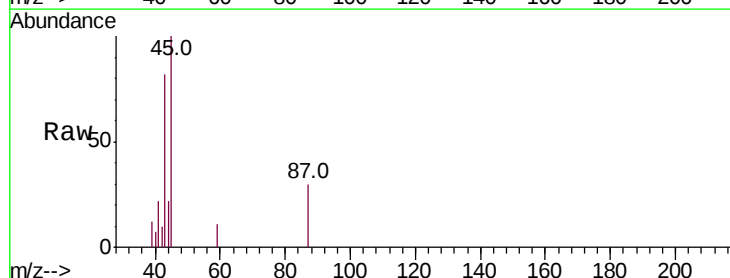


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

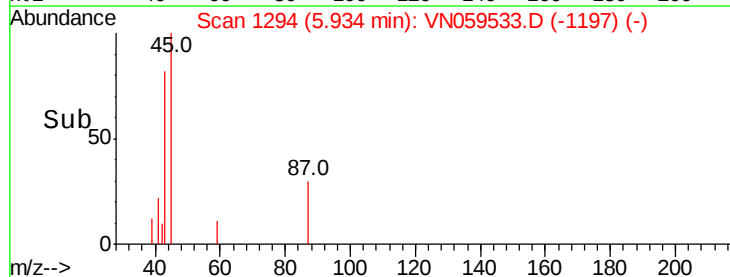
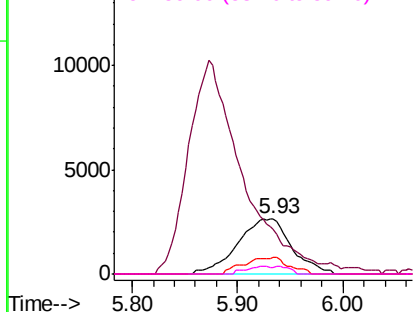


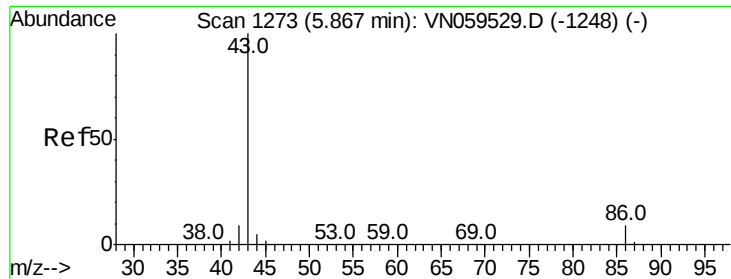
#22
Diisopropyl ether
Concen: 0.841 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 45 Resp: 9372
Ion Ratio Lower Upper
45 100
43 69.0 52.8 79.2
87 30.2 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: 4.086 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

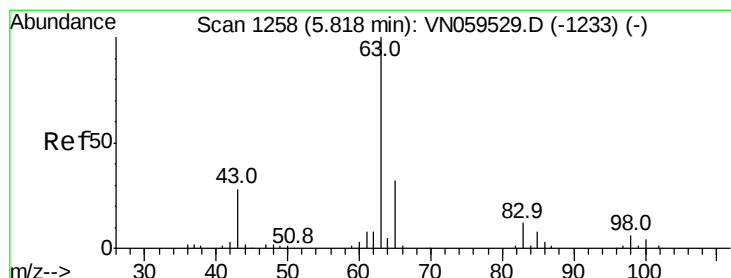
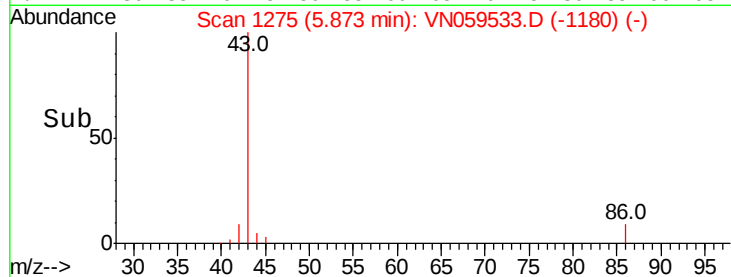
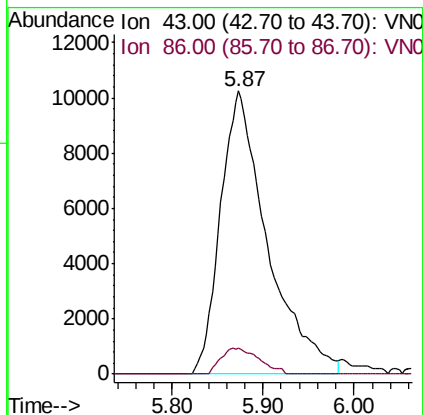
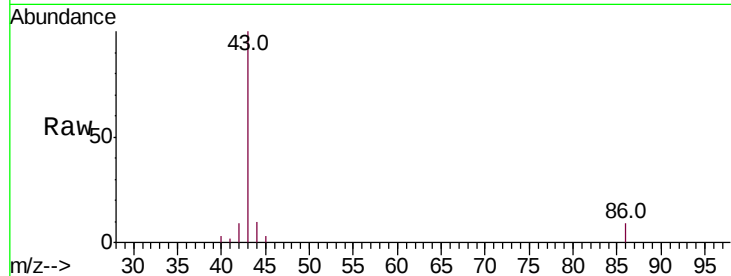
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 36717

Ion Ratio Lower Upper

43 100

86 9.0 7.4 11.2



#24

1,1-Dichloroethane

Concen: 0.924 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

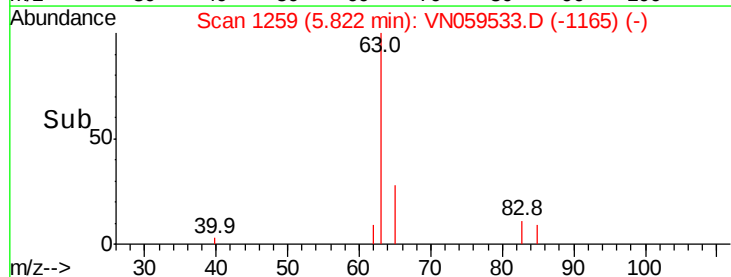
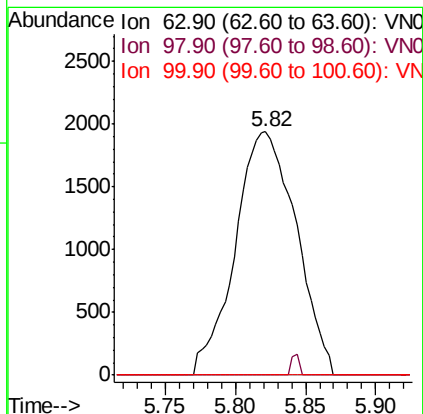
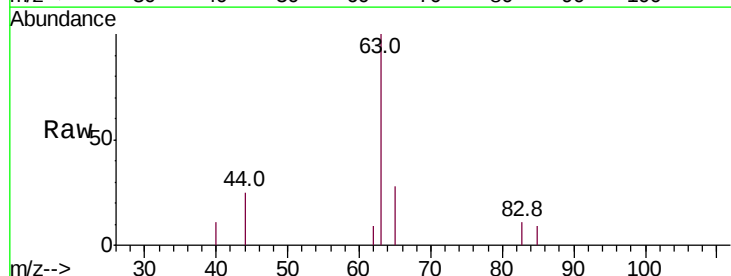
Tgt Ion: 63 Resp: 5842

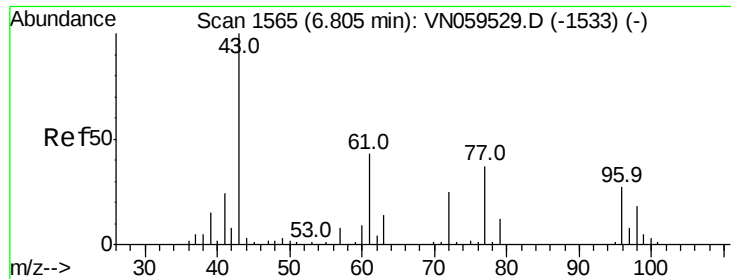
Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

100 0.0 1.8 5.3#

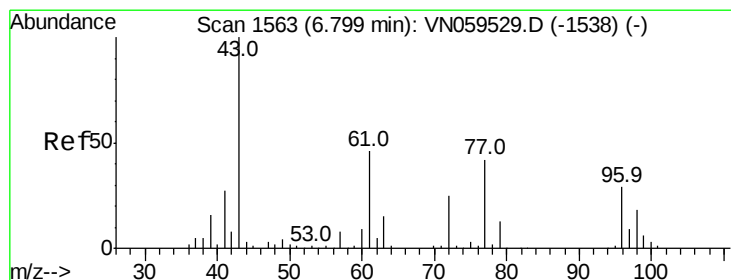
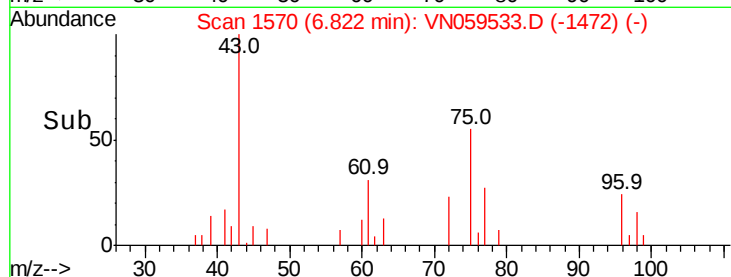
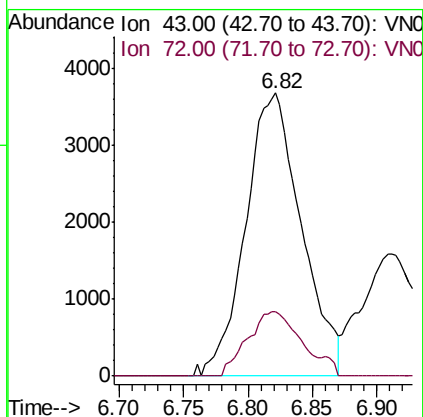
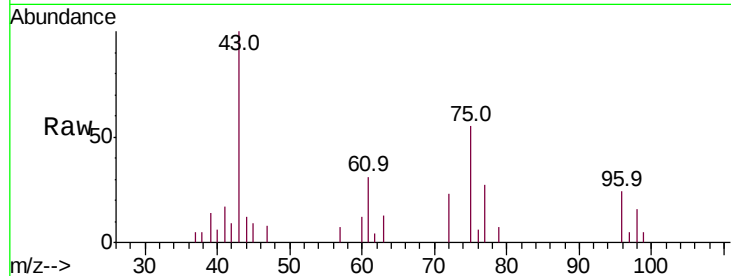




#25
2-Butanone
Concen: 4.023 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

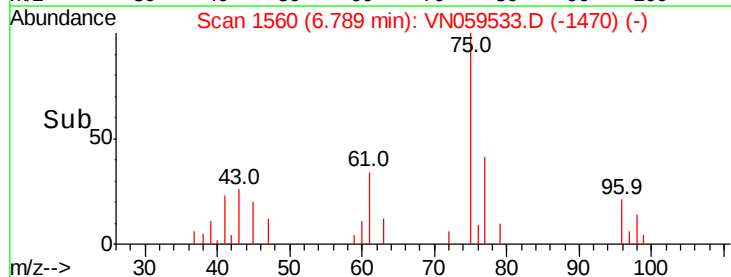
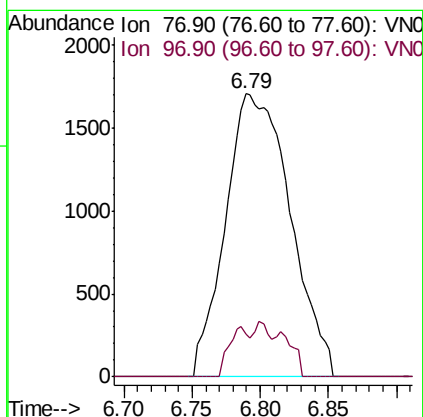
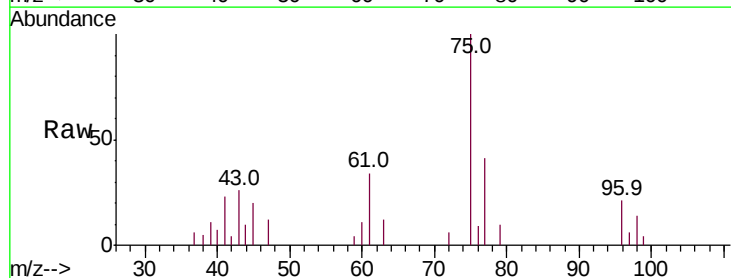
Instrument :
MSVOA_N
ClientSampled :

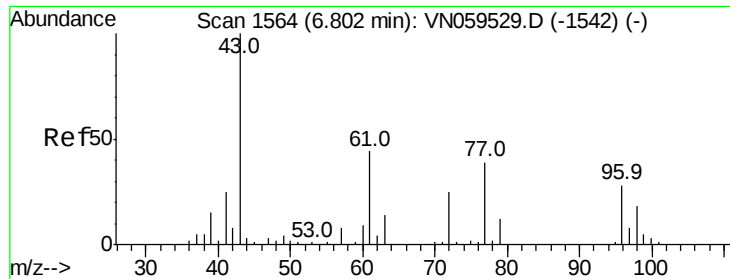
Tot Ion: 43 Resp: 11096
Ion Ratio Lower Upper
43 100
72 22.7 19.9 29.9



#26
2,2-Dichloropropane
Concen: 1.018 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 77 Resp: 5622
Ion Ratio Lower Upper
77 100
97 5.6 10.5 31.6#





#27

cis-1,2-Dichloroethene

Concen: 0.912 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

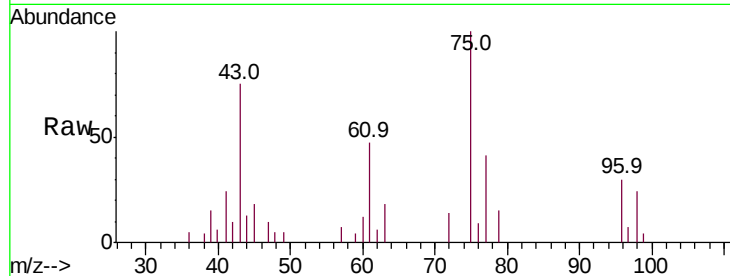
Tot Ion: 96 Resp: 3439

Ion Ratio Lower Upper

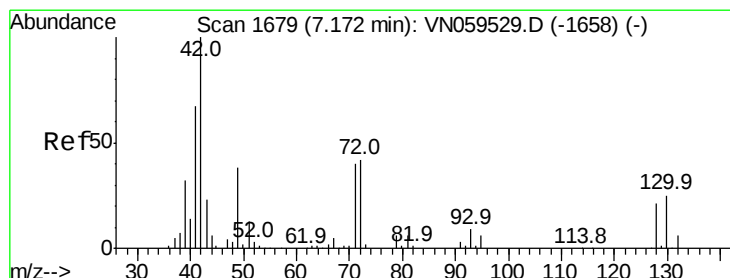
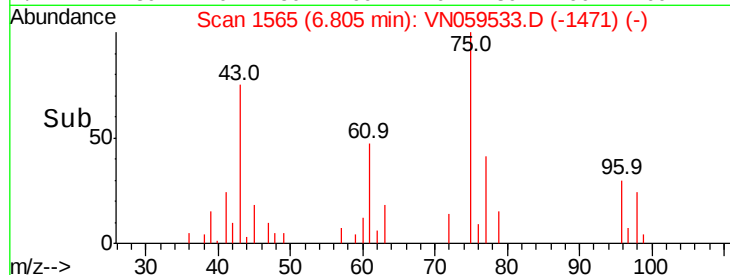
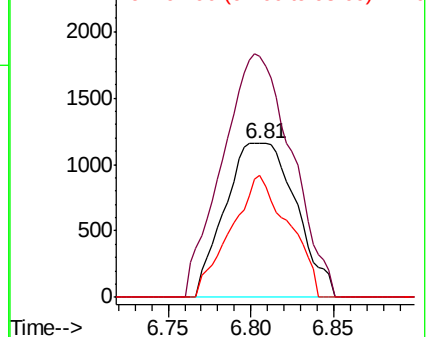
96 100

61 154.9 0.0 320.0

98 64.5 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: 0.549 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

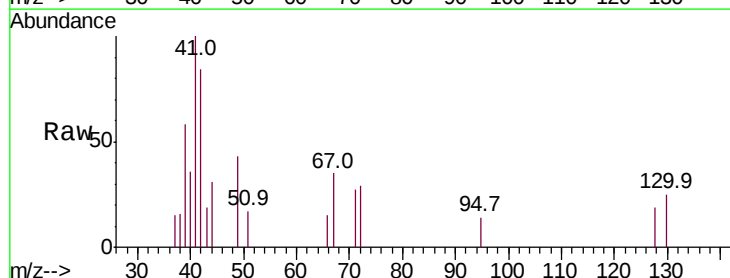
Tgt Ion: 49 Resp: 1107

Ion Ratio Lower Upper

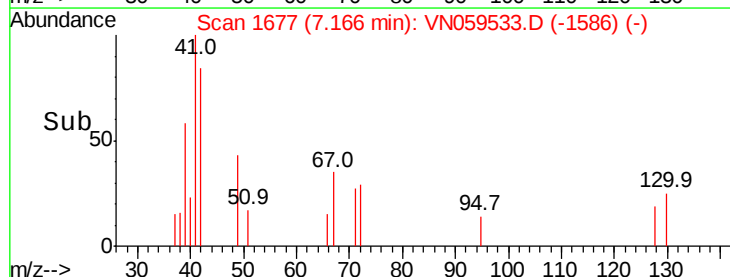
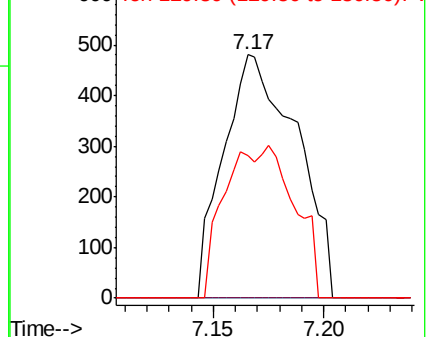
49 100

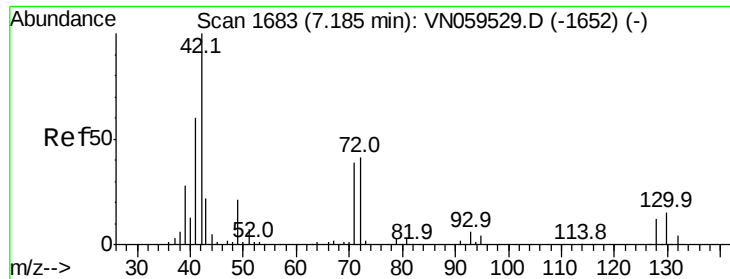
129 0.0 0.0 3.0

130 28.6 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

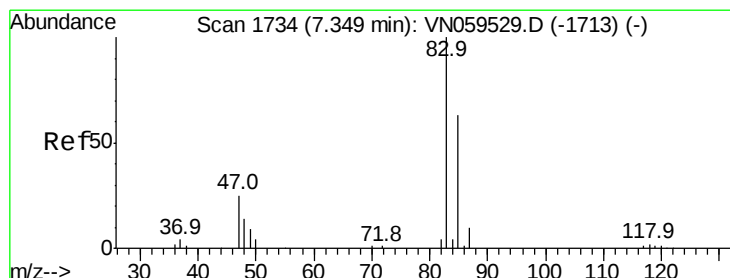
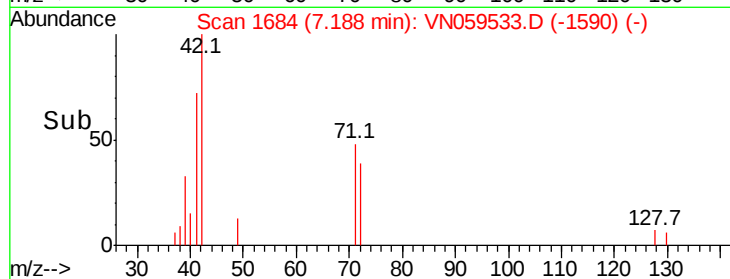
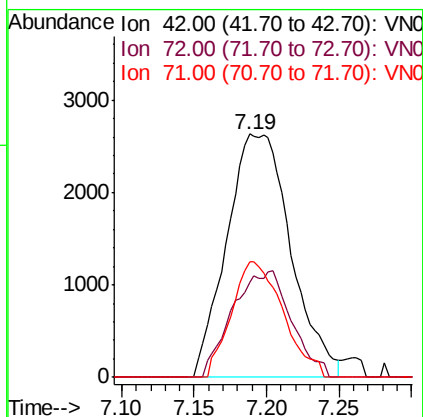
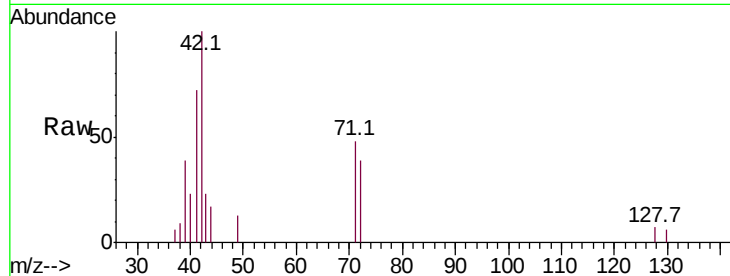




#29
Tetrahydrofuran
Concen: 4.635 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

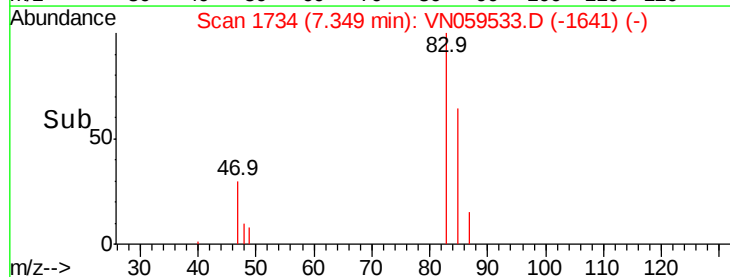
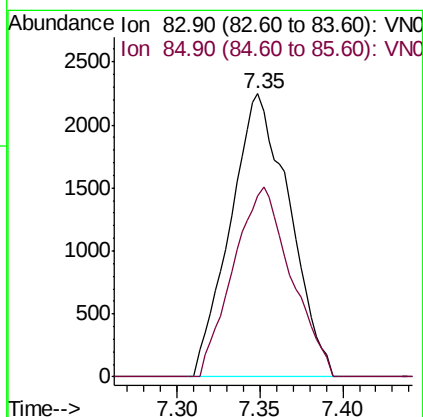
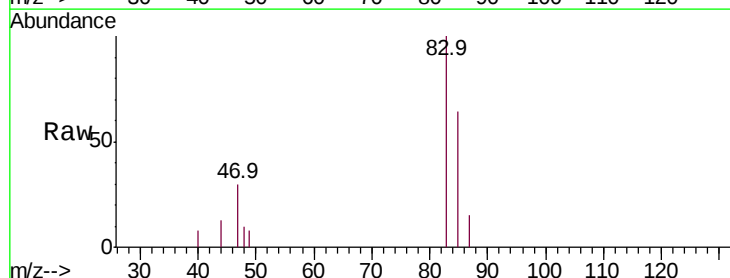
Instrument :
MSVOA_N
ClientSampled :

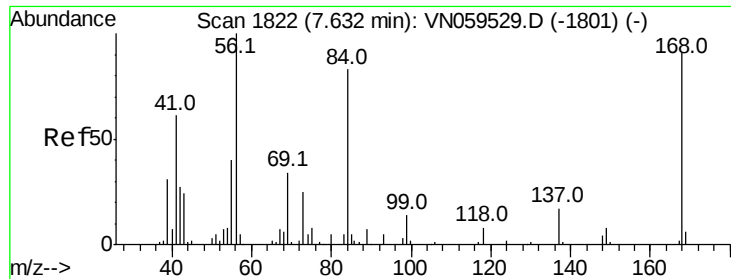
Tot Ion: 42 Resp: 8076
Ion Ratio Lower Upper
42 100
72 40.3 32.7 49.1
71 38.4 31.4 47.2



#30
Chloroform
Concen: 0.904 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 83 Resp: 5561
Ion Ratio Lower Upper
83 100
85 64.1 50.6 75.8

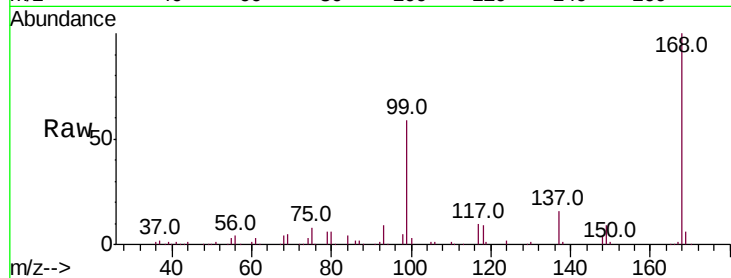




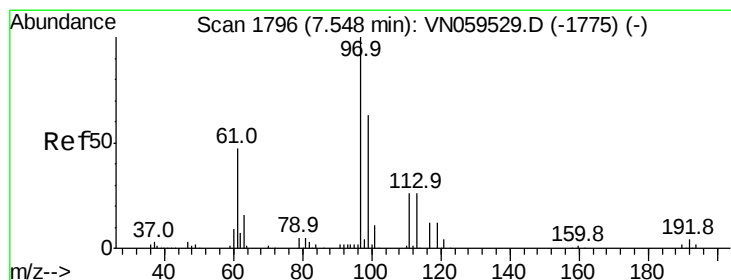
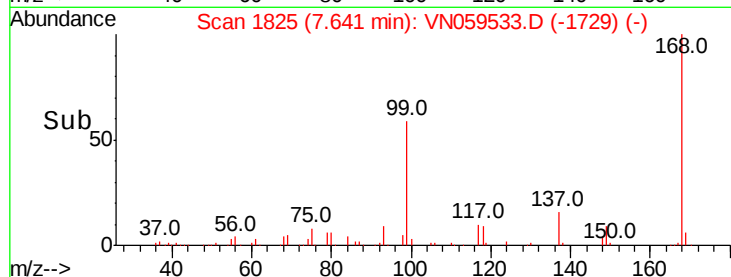
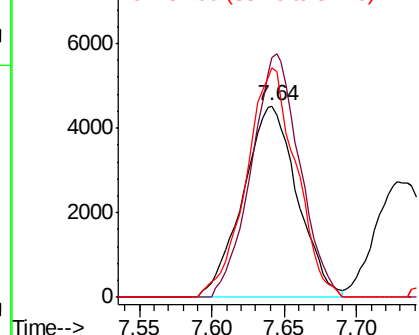
#31
Cyclohexane
Concen: 1.939 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 11803
Ion Ratio Lower Upper
56 100
69 125.2 26.9 40.3#
84 119.9 66.5 99.7#

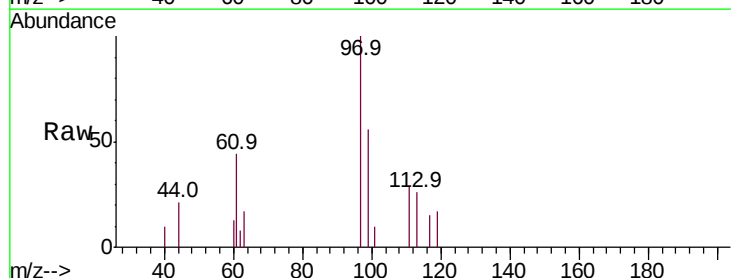


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

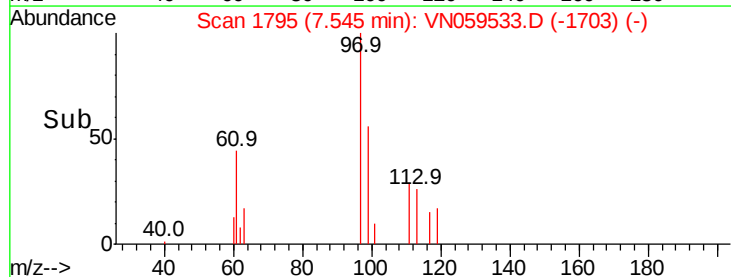
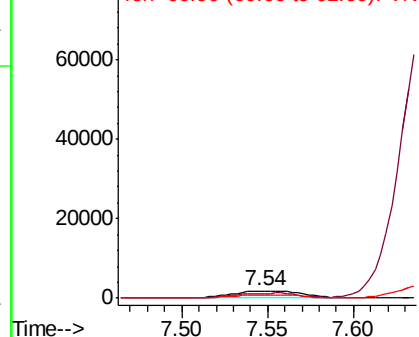


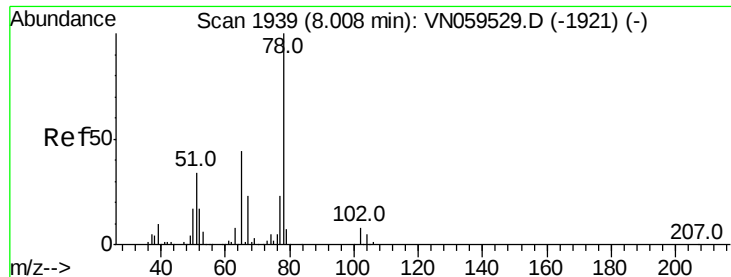
#32
1,1,1-Trichloroethane
Concen: 0.952 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 97 Resp: 5106
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.2#
61 22.1 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: 1.601 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

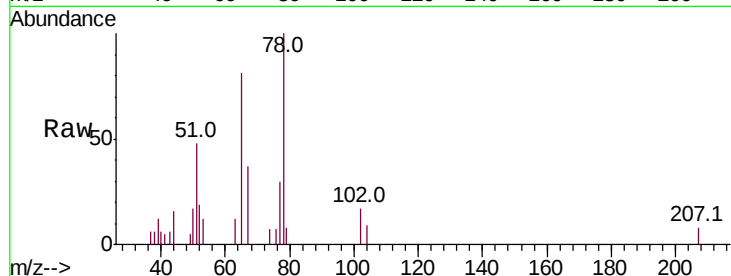
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 5938

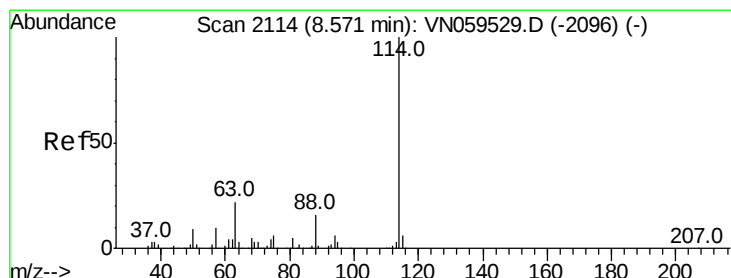
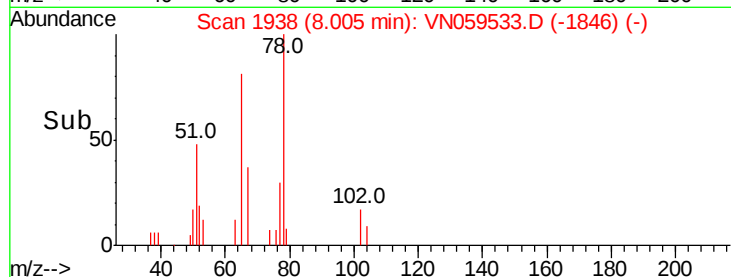
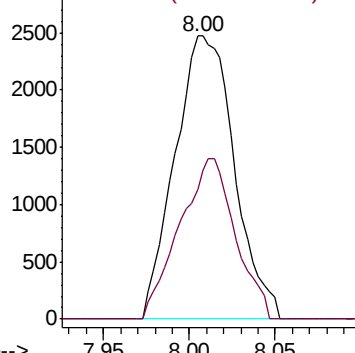
Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

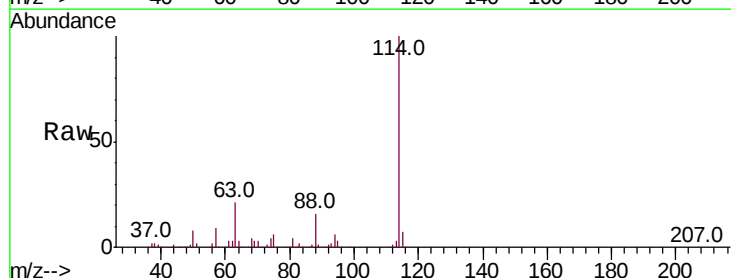
Tgt Ion: 114 Resp: 517639

Ion Ratio Lower Upper

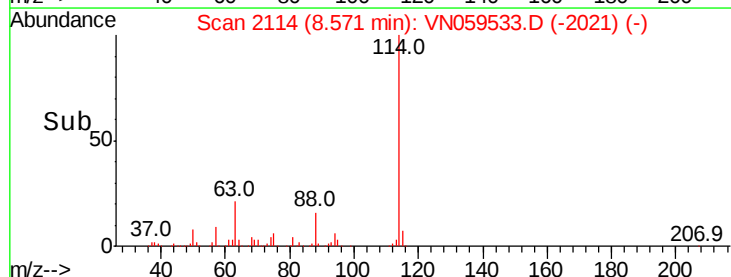
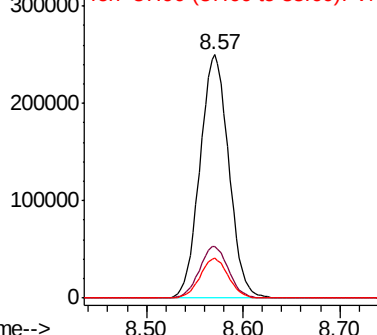
114 100

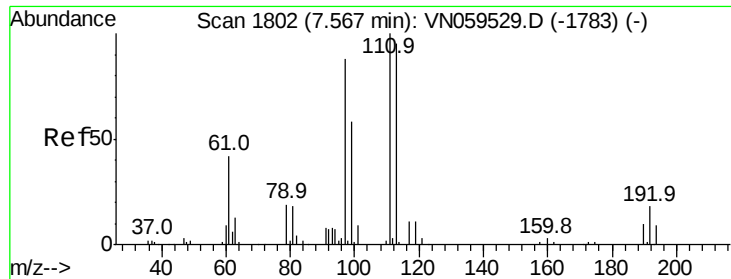
63 21.4 0.0 45.0

88 16.3 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN0
Ion 87.90 (87.60 to 88.60): VN0

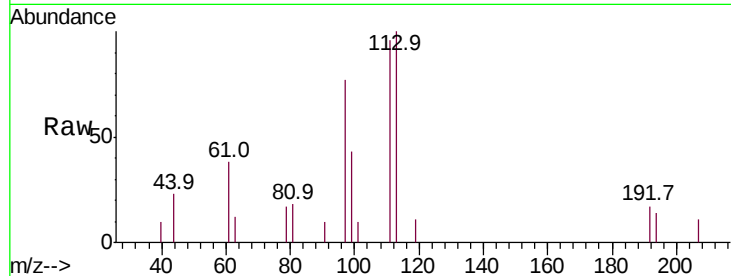




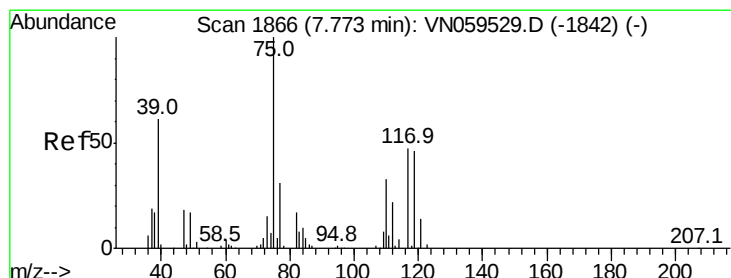
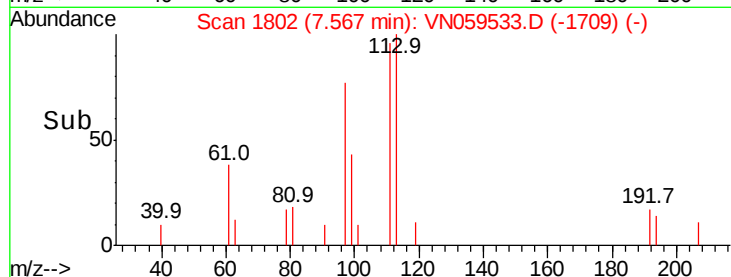
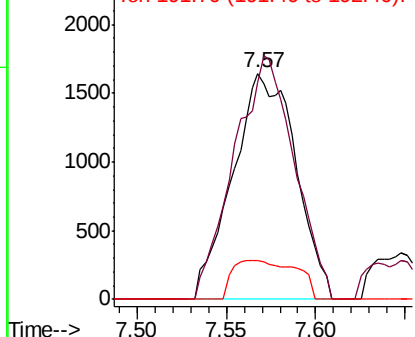
#35
 Dibromofluoromethane
 Concen: 1.286 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 4046
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 17.4 14.8 22.2

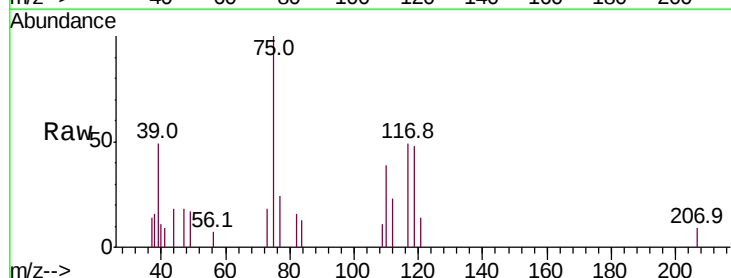


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

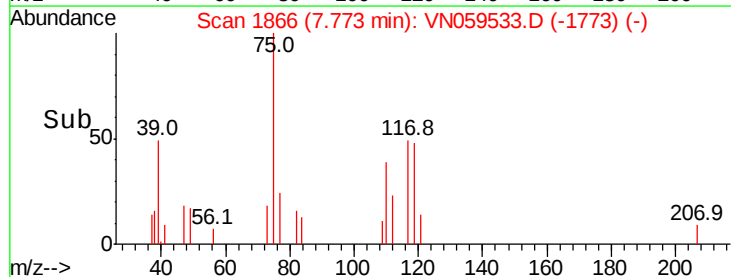
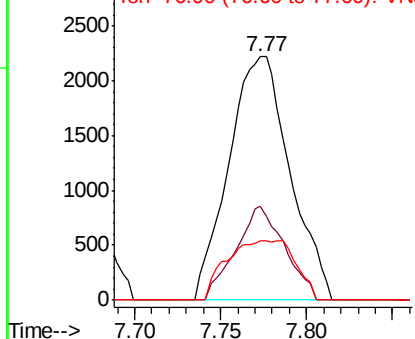


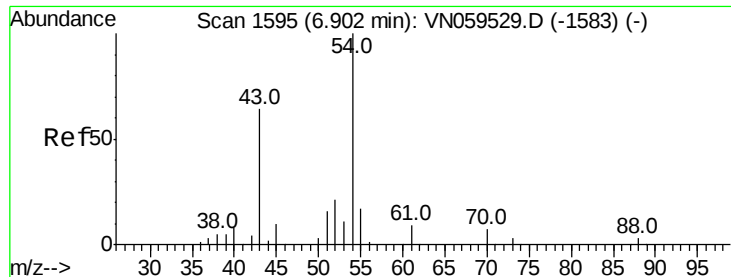
#36
 1,1-Dichloropropene
 Concen: 1.039 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Tgt Ion: 75 Resp: 5480
 Ion Ratio Lower Upper
 75 100
 110 30.8 16.7 50.0
 77 27.3 24.6 37.0



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

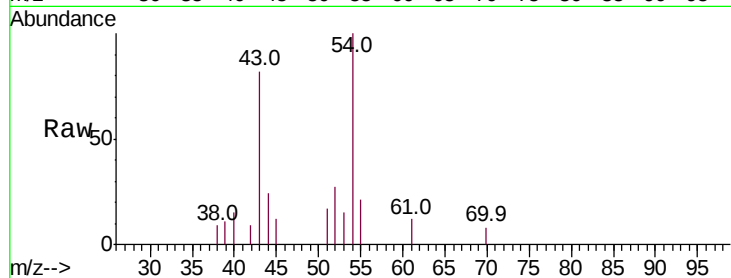




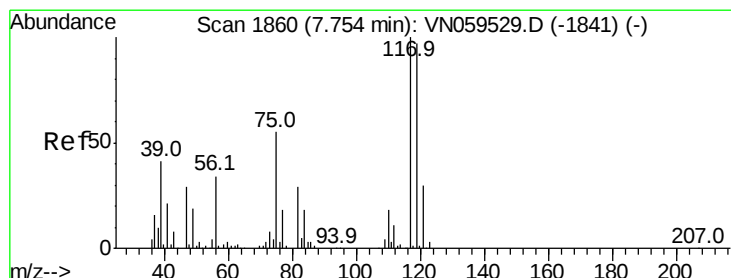
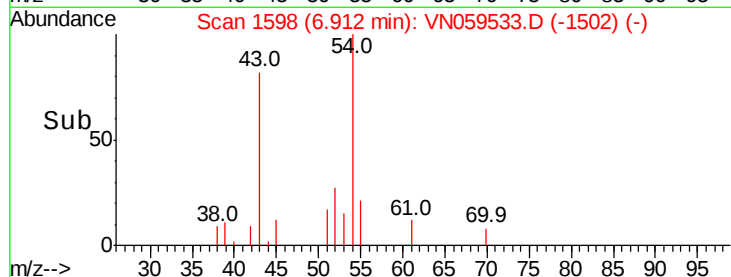
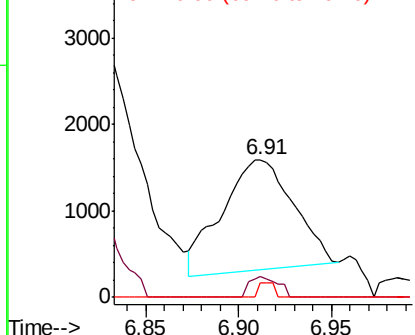
#37
Ethyl Acetate
Concen: 0.588 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 3469
Ion Ratio Lower Upper
43 100
61 7.4 11.0 16.6#
70 2.7 7.7 11.5#

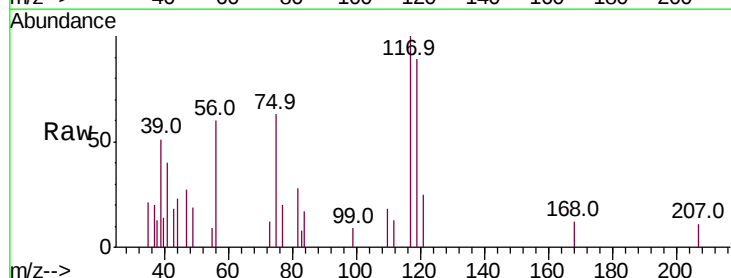


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

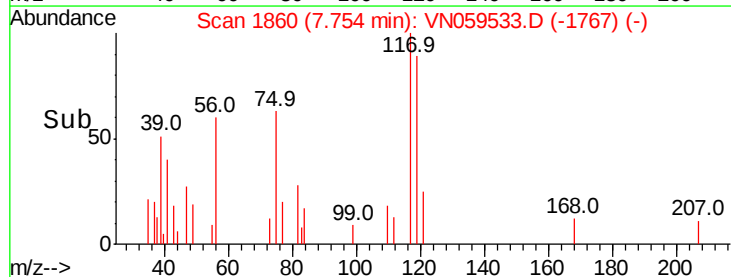
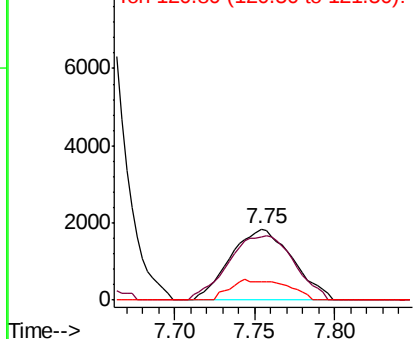


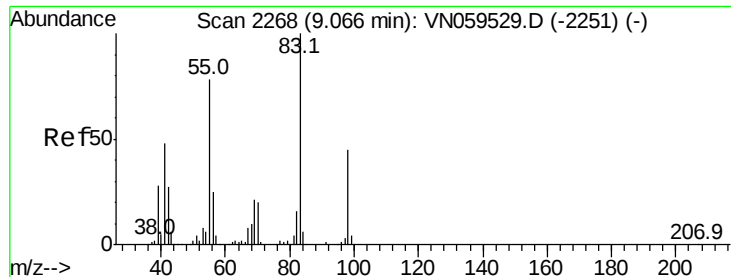
#38
Carbon Tetrachloride
Concen: 0.964 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 117 Resp: 4916
Ion Ratio Lower Upper
117 100
119 89.0 77.0 115.4
121 25.4 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

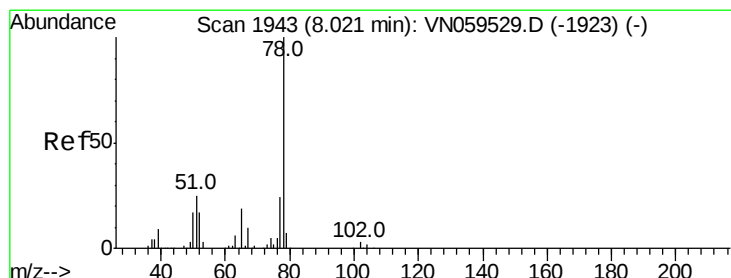
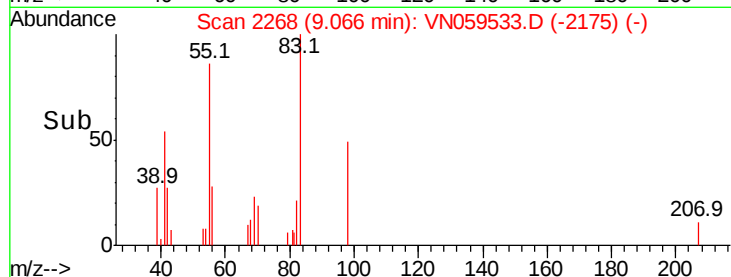
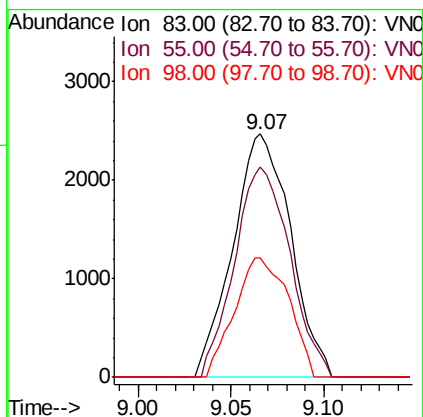
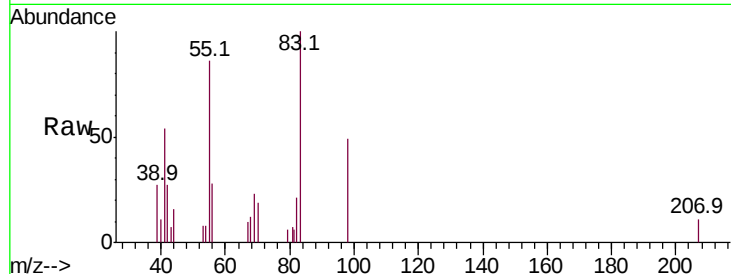




#39
Methvlcvclohexane
Concen: 0.849 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

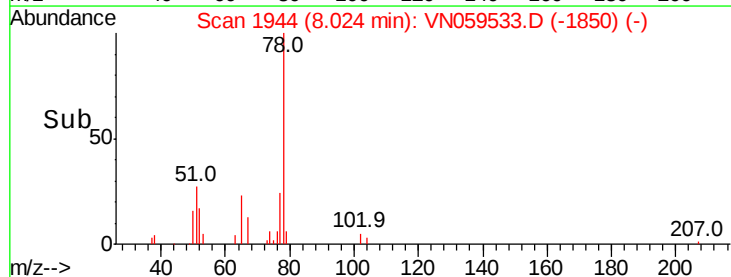
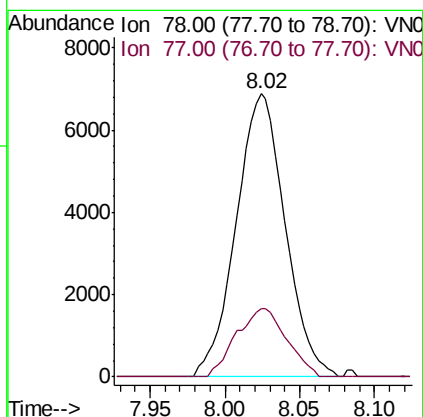
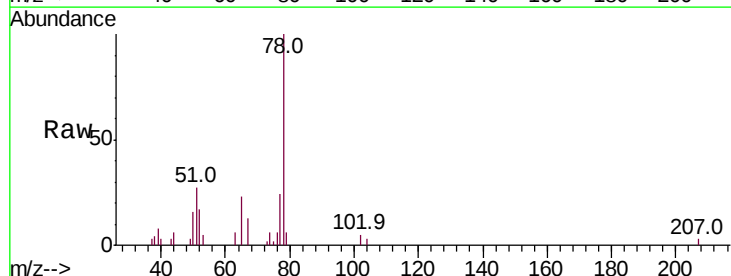
Instrument :
MSVOA_N
ClientSampleId :

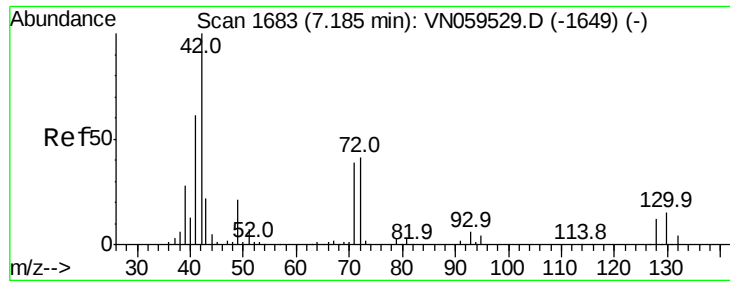
Tot Ion: 83 Resp: 5345
Ion Ratio Lower Upper
83 100
55 86.5 62.7 94.1
98 49.2 35.7 53.5



#40
Benzene
Concen: 1.021 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 78 Resp: 15702
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

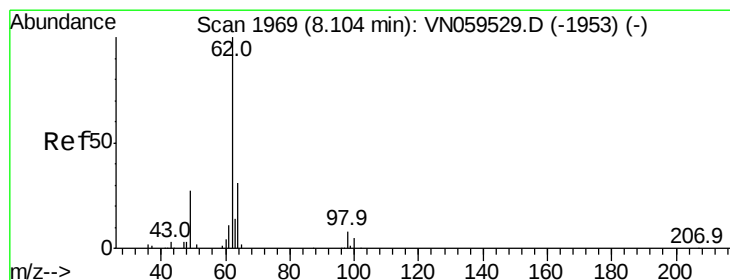
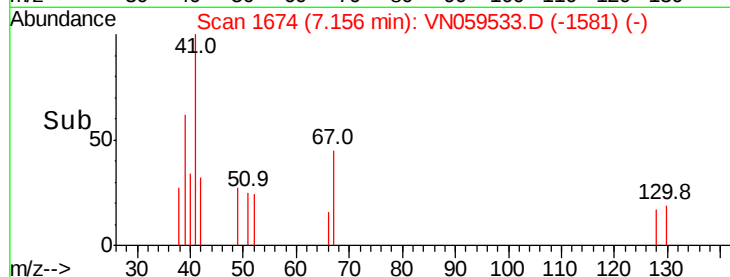
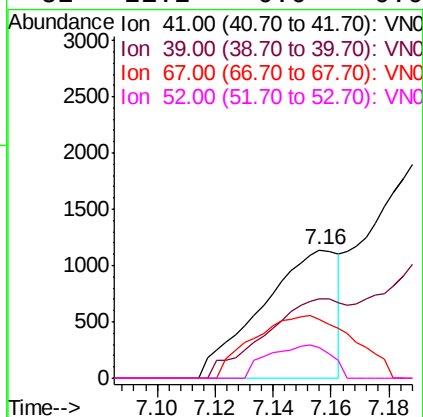
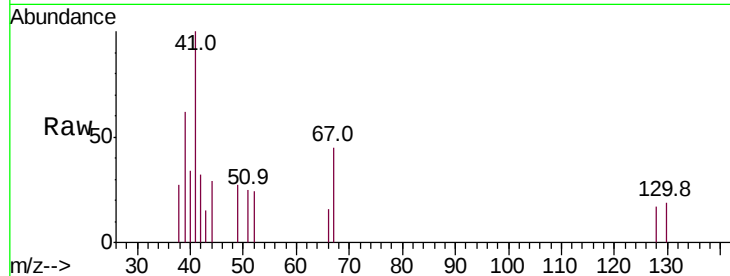




#41
Methacrylonitrile
Concen: 0.862 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

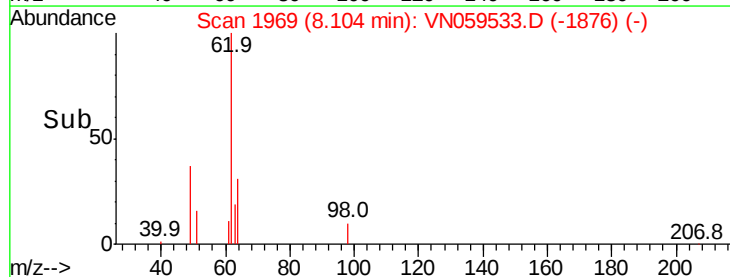
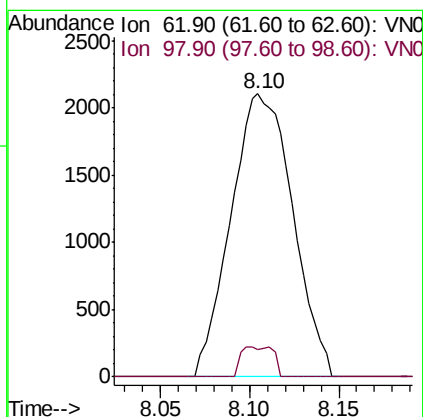
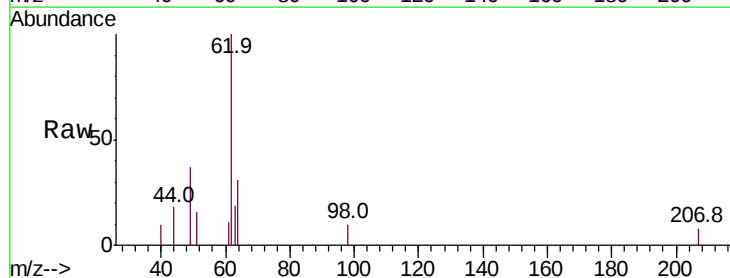
Instrument :
MSVOA_N
ClientSampled :

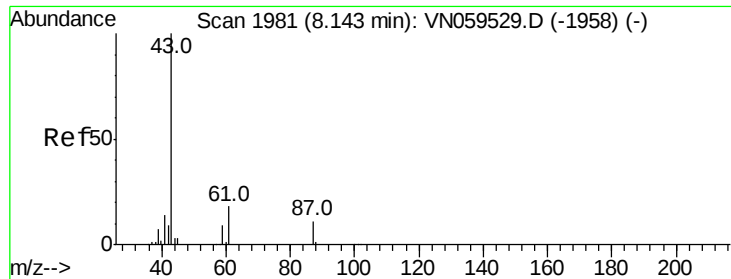
Tot Ion: 41 Resp: 2096
Ion Ratio Lower Upper
41 100
39 65.0 0.0 0.0#
67 63.8 0.0 0.0#
52 21.2 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 0.950 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 62 Resp: 5073
Ion Ratio Lower Upper
62 100
98 3.2 0.0 15.4





#43

Isopropyl Acetate

Concen: 0.900 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

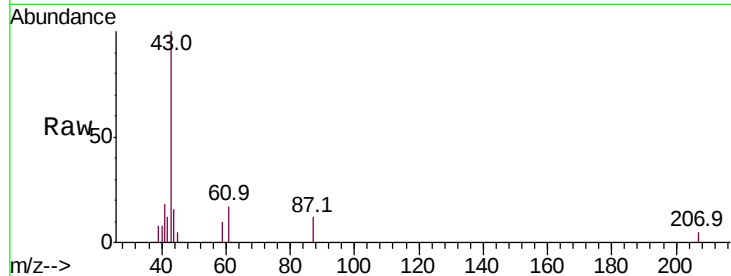
Tot Ion: 43 Resp: 7936

Ion Ratio Lower Upper

43 100

61 4.5 19.8 29.6#

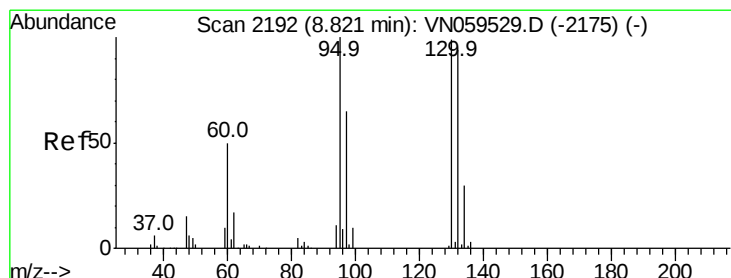
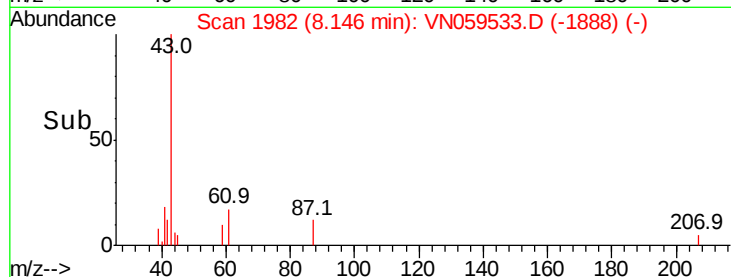
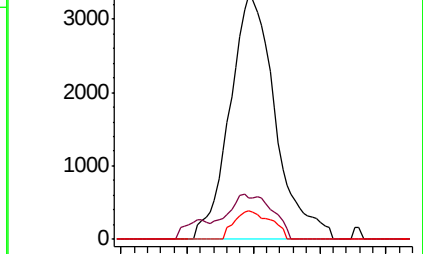
87 9.3 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN059529.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN059529.D (-1958) (-)



#44

Trichloroethene

Concen: 0.977 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059533.D

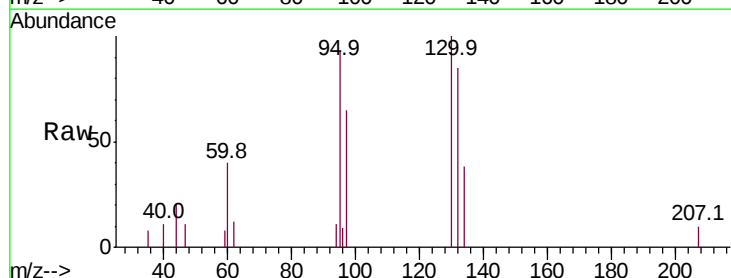
Acq: 9 Dec 2019 17:19

Tgt Ion:130 Resp: 3918

Ion Ratio Lower Upper

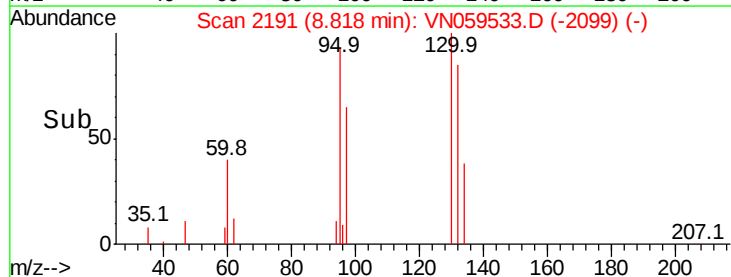
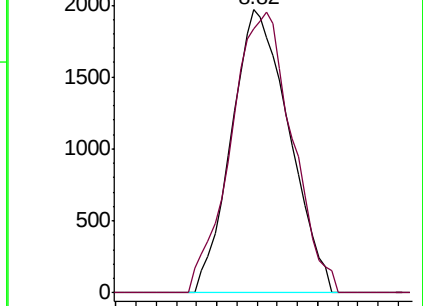
130 100

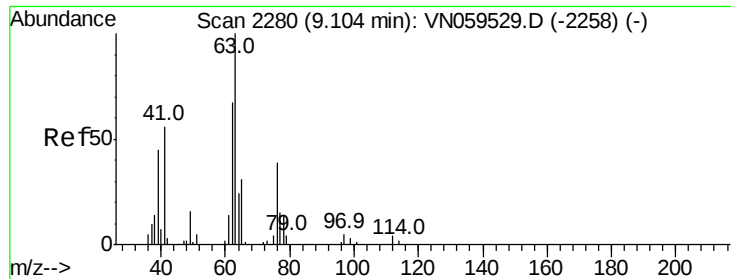
95 93.3 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VN059529.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059529.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 0.902 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.01 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

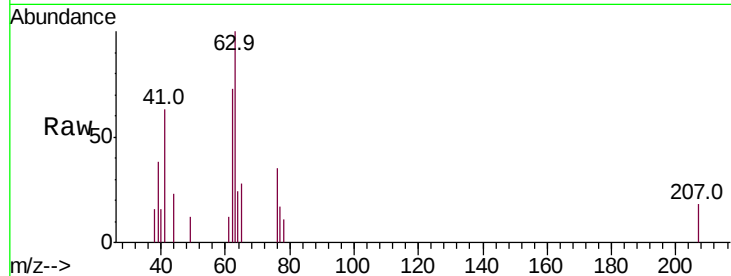
ClientSampleId :

Tot Ion: 63 Resp: 3712

Ion Ratio Lower Upper

63 100

65 28.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN059533.D (-2282) (-)

Ion 64.90 (64.60 to 65.60): VN059533.D (-2282) (-)

9.11

1500

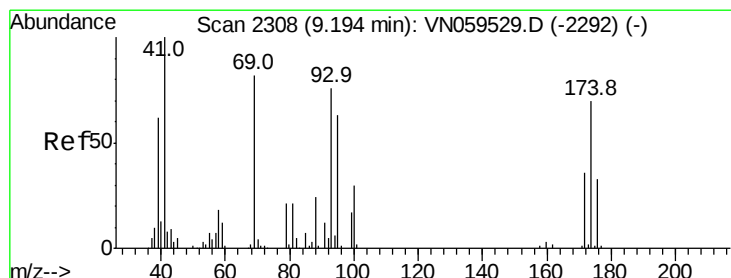
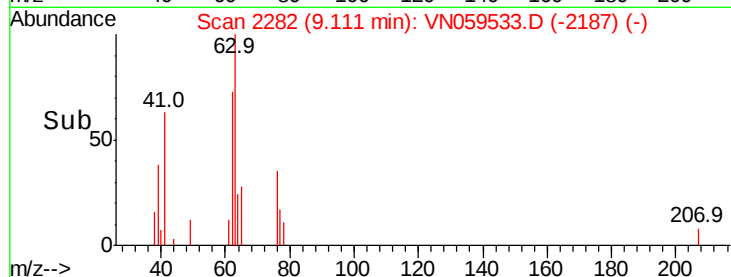
1000

500

0

9.05 9.10 9.15

Time-->



#46

Dibromomethane

Concen: 1.023 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

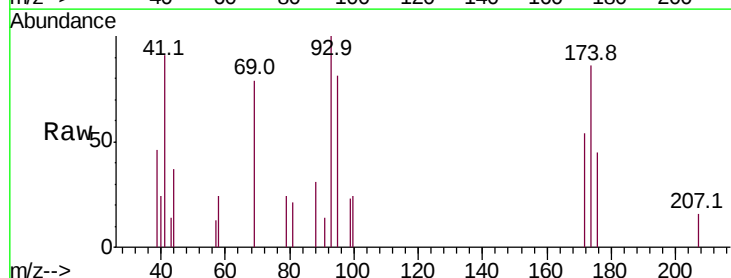
Tgt Ion: 93 Resp: 2636

Ion Ratio Lower Upper

93 100

95 78.1 67.0 100.6

174 88.4 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN059533.D (-2309) (-)

Ion 94.80 (94.50 to 95.50): VN059533.D (-2309) (-)

Ion 173.70 (173.40 to 174.40): VN059533.D (-2309) (-)

9.20

1500

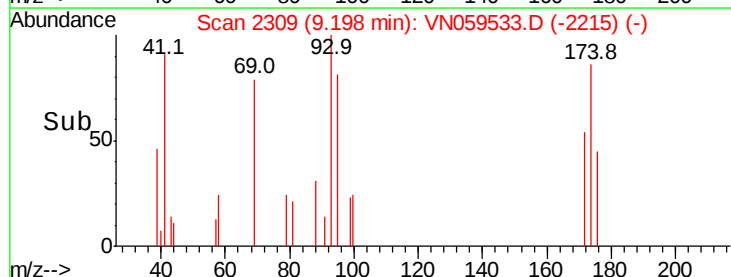
1000

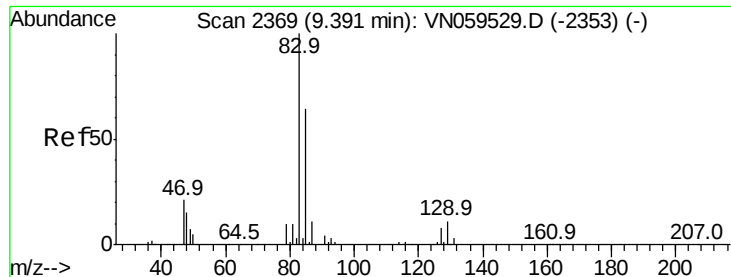
500

0

9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 0.905 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

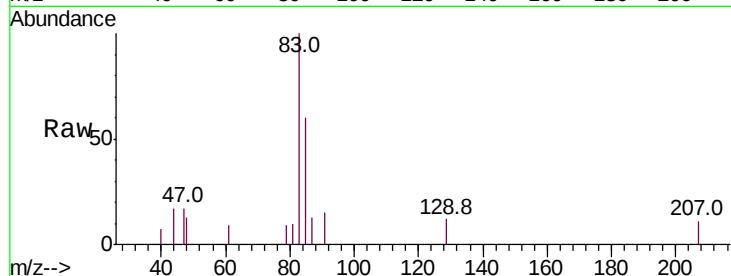
Tot Ion: 83 Resp: 4691

Ion Ratio Lower Upper

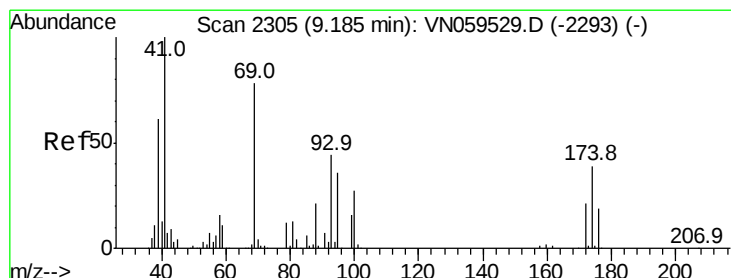
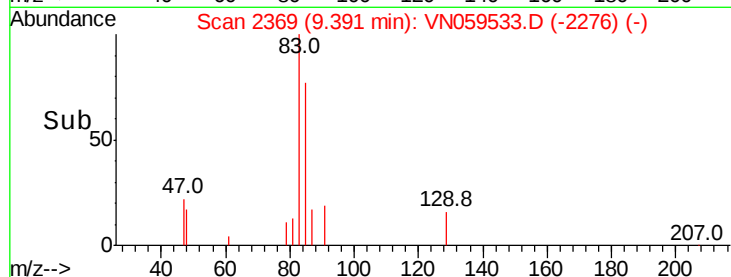
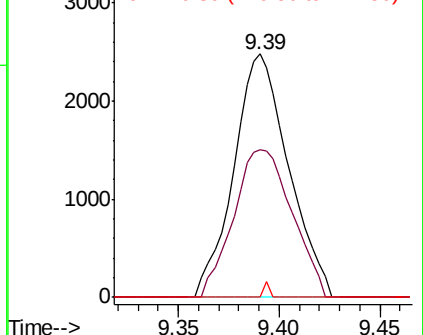
83 100

85 60.4 51.4 77.0

127 0.0 6.7 10.1#



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



#48

Methyl methacrylate

Concen: 0.777 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

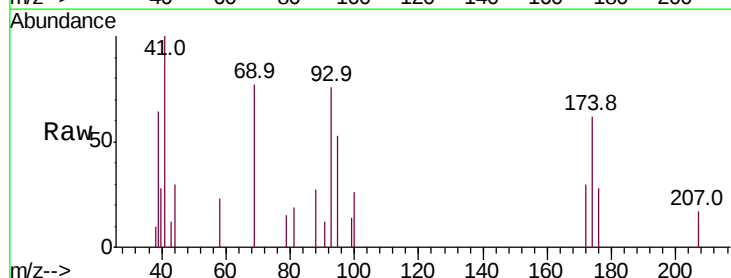
Tgt Ion: 41 Resp: 3086

Ion Ratio Lower Upper

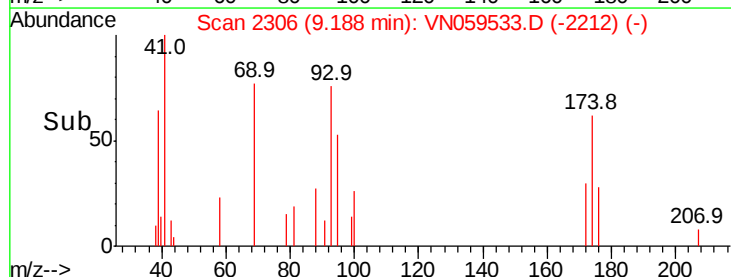
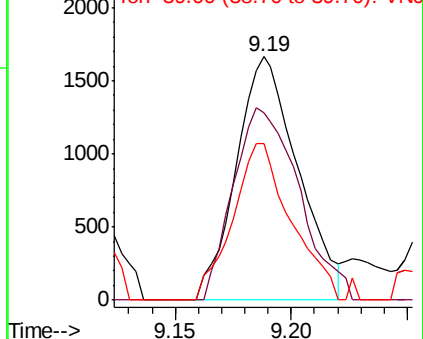
41 100

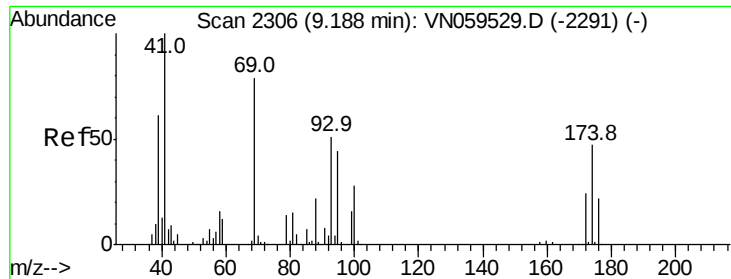
69 84.2 64.0 96.0

39 60.7 50.0 75.0



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

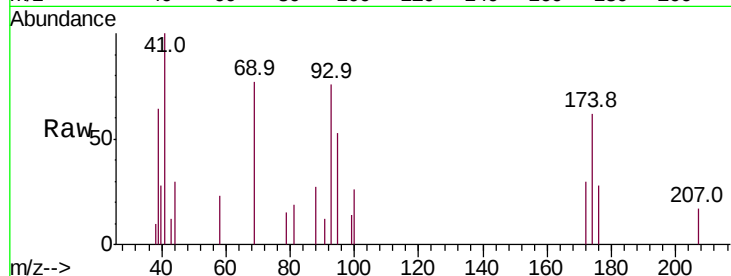




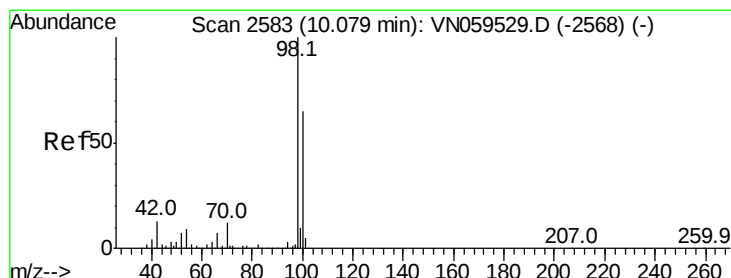
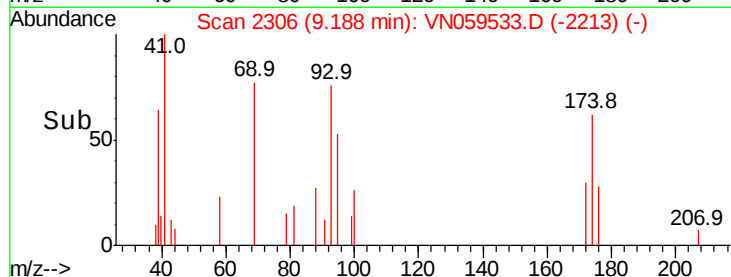
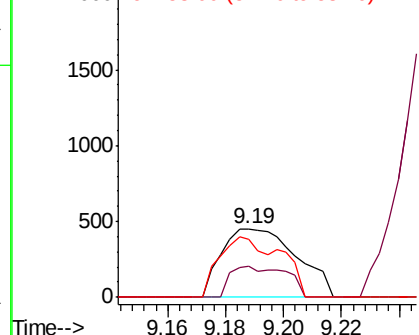
#49
 1,4-Dioxane
 Concen: 13.946 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 816
 Ion Ratio Lower Upper
 88 100
 43 33.7 31.4 47.0
 58 71.6 61.0 91.6

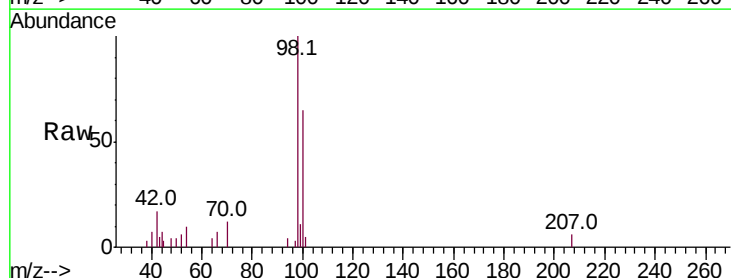


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

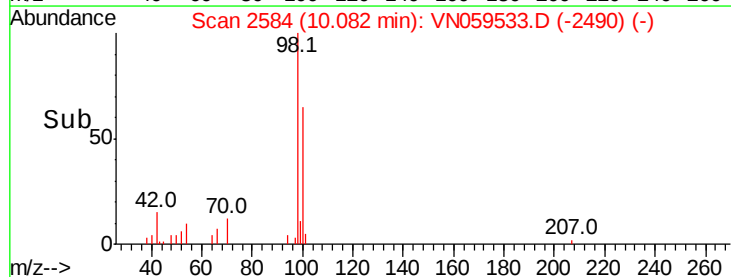
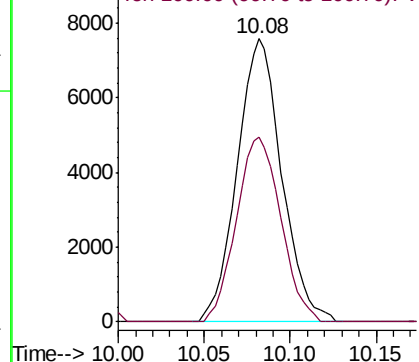


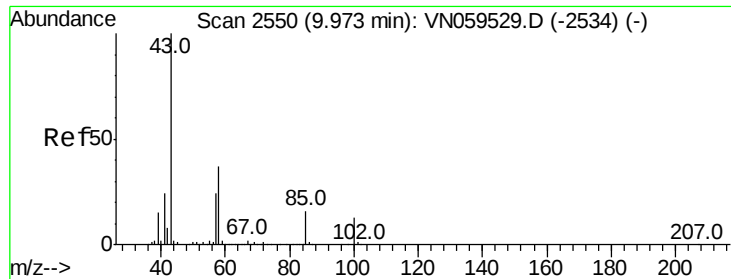
#50
 Toluene-d8
 Concen: 1.108 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Tgt Ion: 98 Resp: 13655
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.8 77.8



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

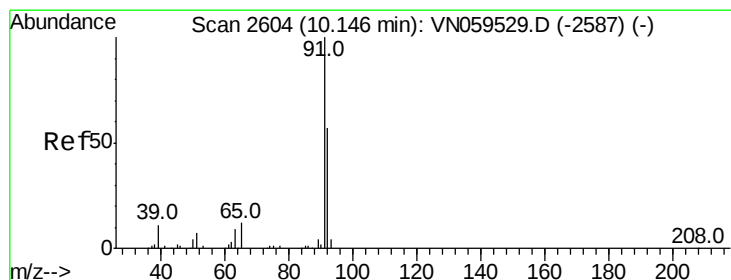
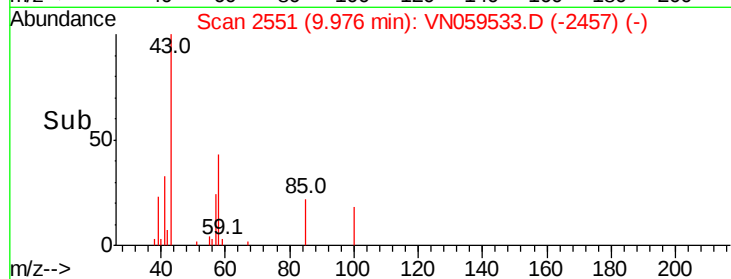
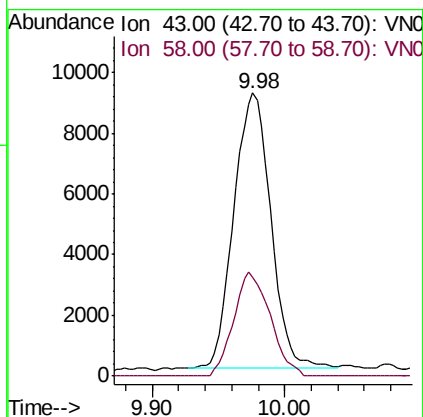
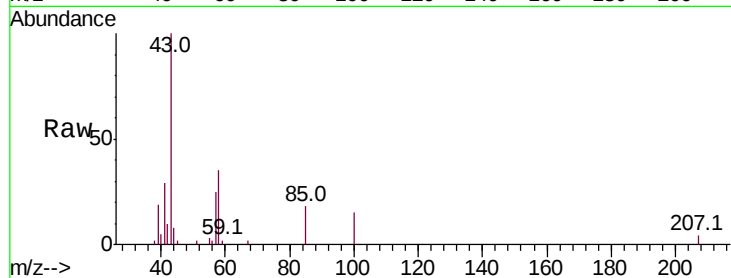




#51
 4-Methyl-2-Pentanone
 Concen: 3.374 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

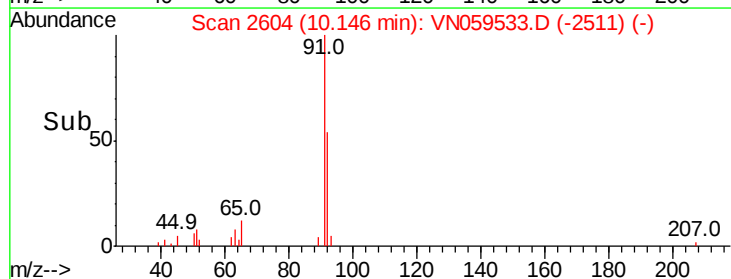
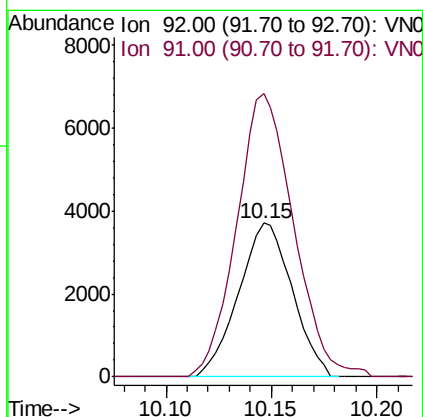
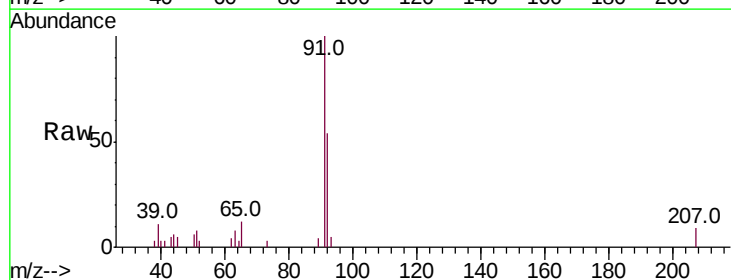
Instrument :
 MSVOA_N
 ClientSampled :

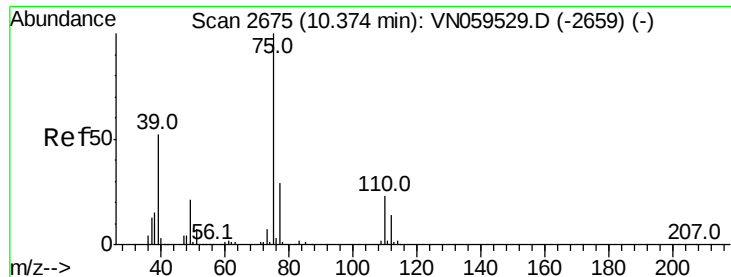
Tot Ion: 43 Resp: 17630
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.1 45.1



#52
 Toluene
 Concen: 0.707 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Tgt Ion: 92 Resp: 6557
 Ion Ratio Lower Upper
 92 100
 91 195.1 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 0.774 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

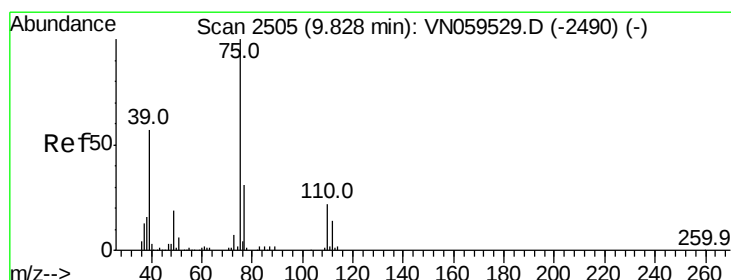
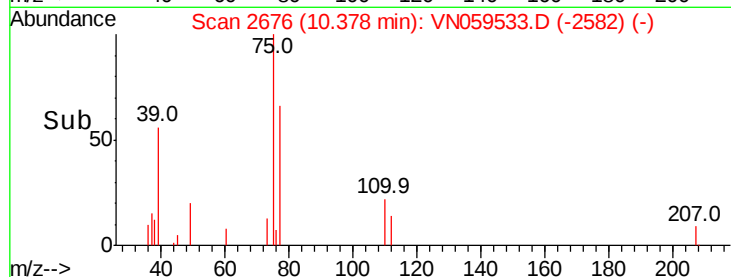
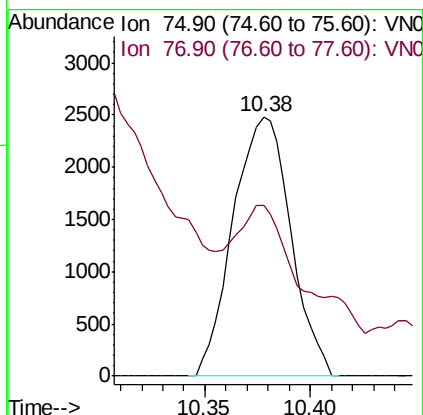
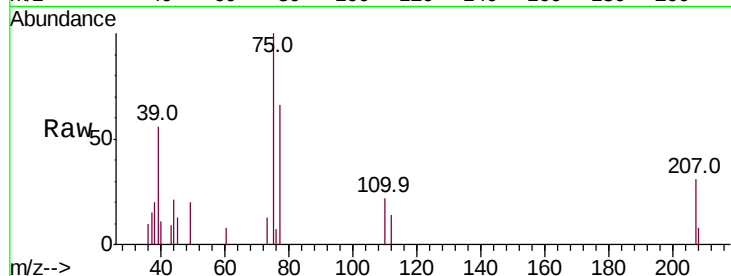
ClientSampled :

Tot Ion: 75 Resp: 4708

Ion Ratio Lower Upper

75 100

77 35.6 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 0.833 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

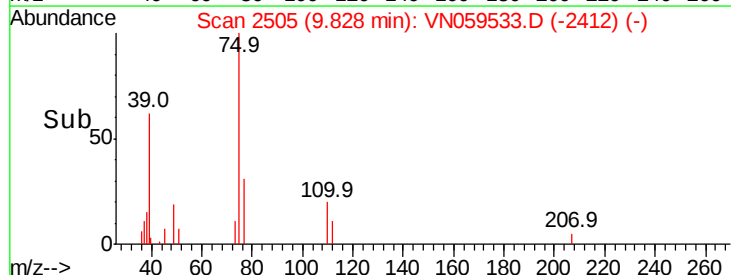
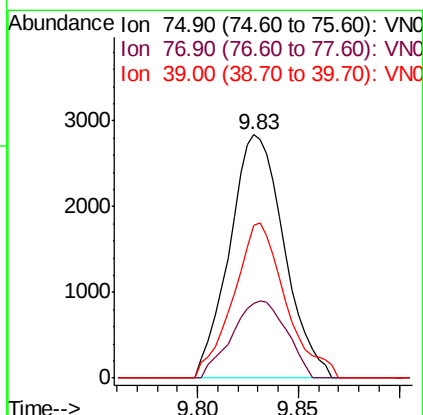
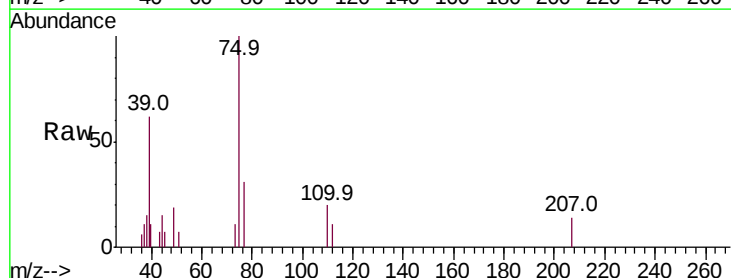
Tgt Ion: 75 Resp: 5344

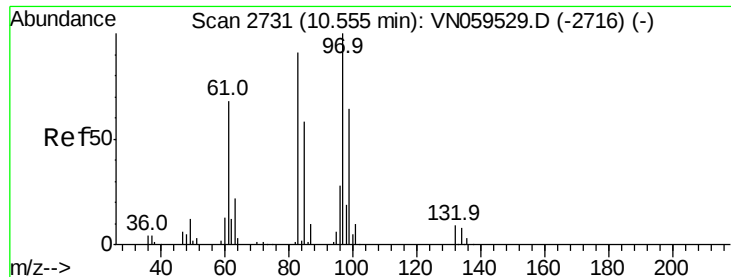
Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

39 62.5 45.6 68.4

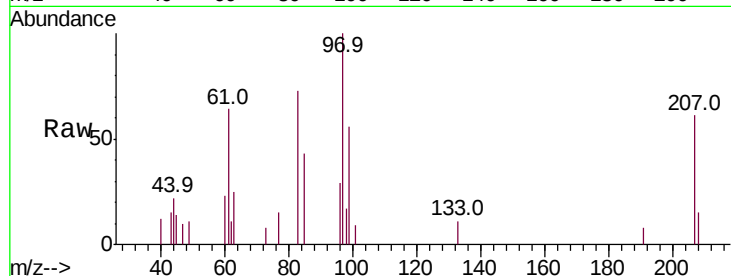




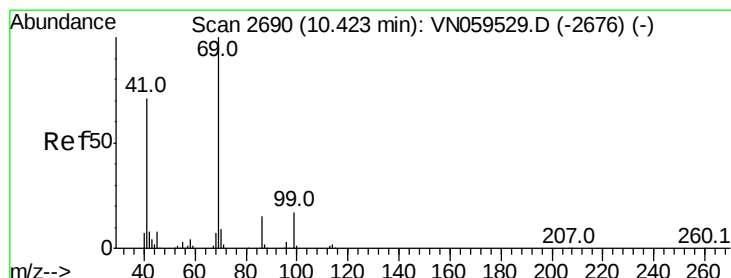
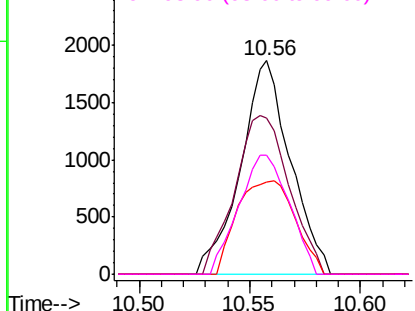
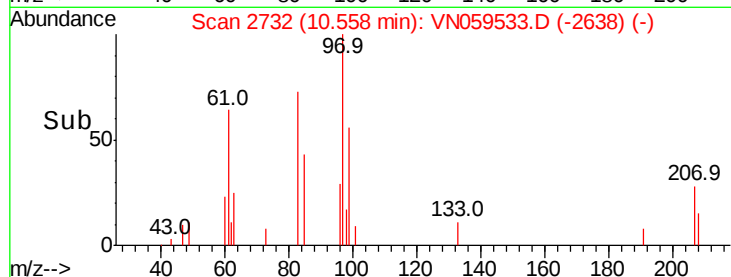
#55
 1,1,2-Trichloroethane
 Concen: 0.798 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 97 Resp: 2923
 Ion Ratio Lower Upper
 97 100
 83 73.0 72.9 109.3
 85 43.2 46.1 69.1#
 99 55.8 50.8 76.2

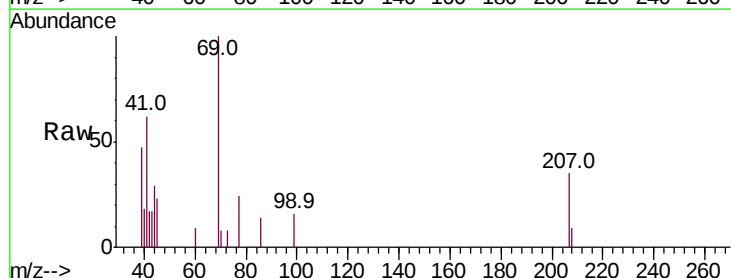


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

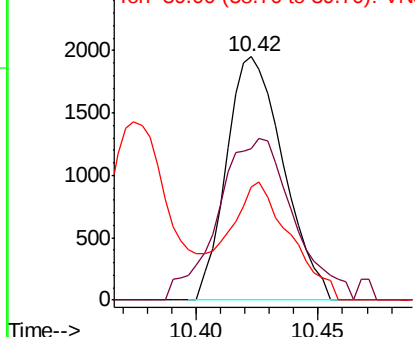
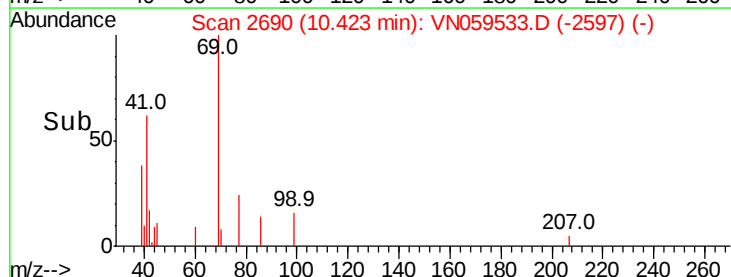


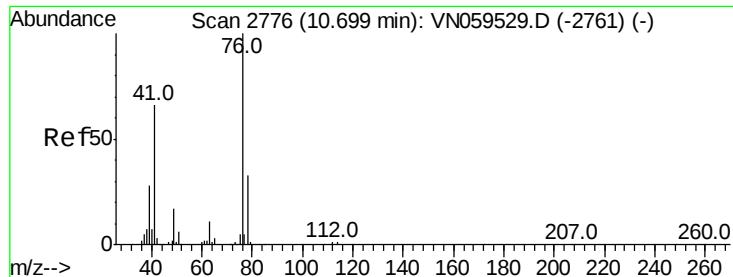
#56
 Ethyl methacrylate
 Concen: 0.595 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Tgt Ion: 69 Resp: 3160
 Ion Ratio Lower Upper
 69 100
 41 88.3 57.7 86.5#
 39 52.1 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: 0.742 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

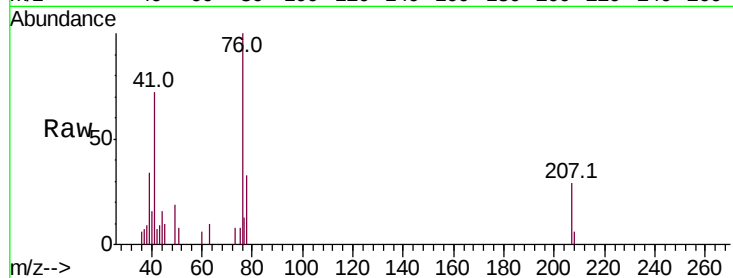
ClientSampled :

Tot Ion: 76 Resp: 4722

Ion Ratio Lower Upper

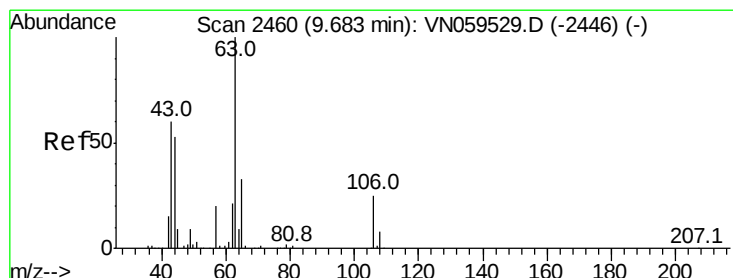
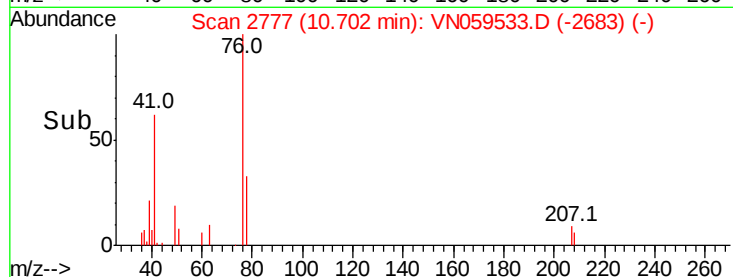
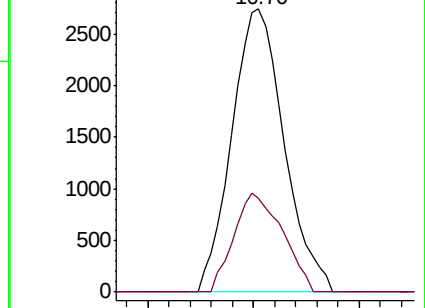
76 100

78 32.4 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: 4.825 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059533.D

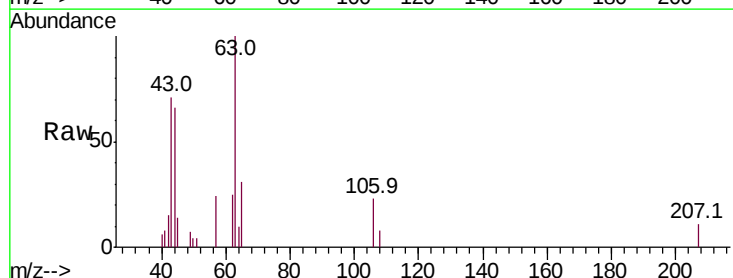
Acq: 9 Dec 2019 17:19

Tgt Ion: 63 Resp: 7484

Ion Ratio Lower Upper

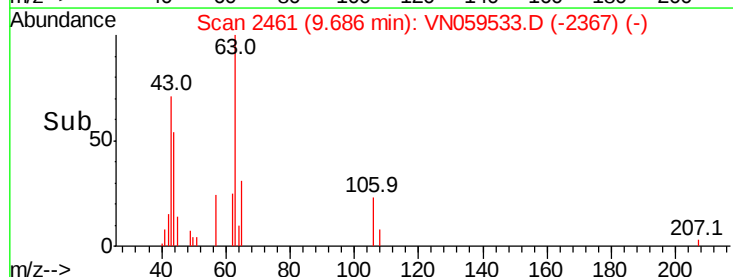
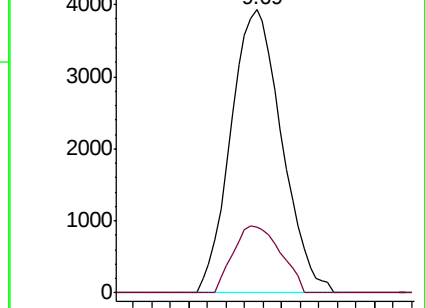
63 100

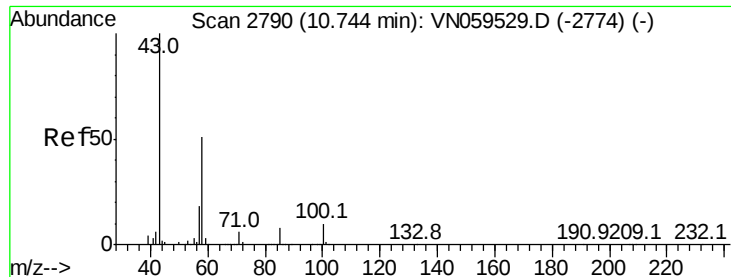
106 22.0 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

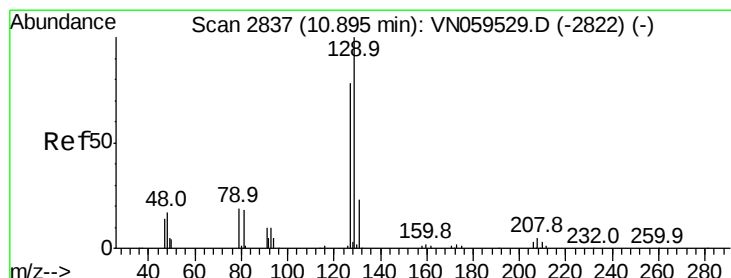
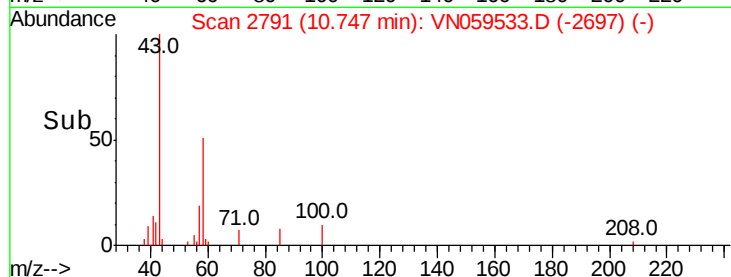
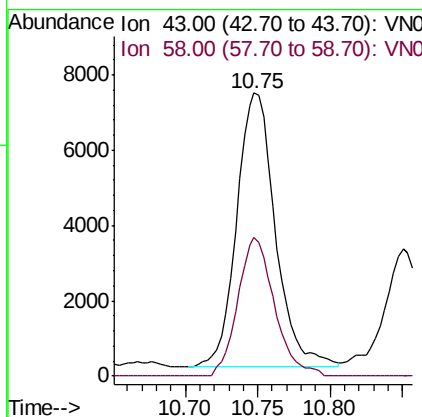
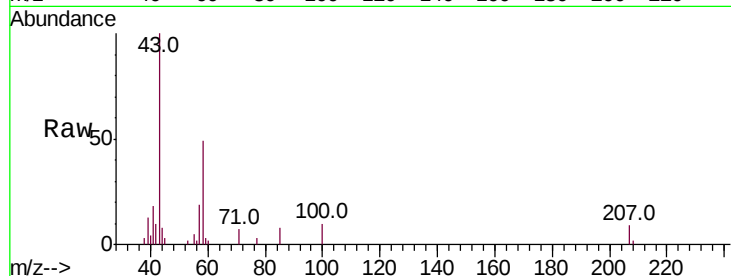




#59
2-Hexanone
Concen: 3.439 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

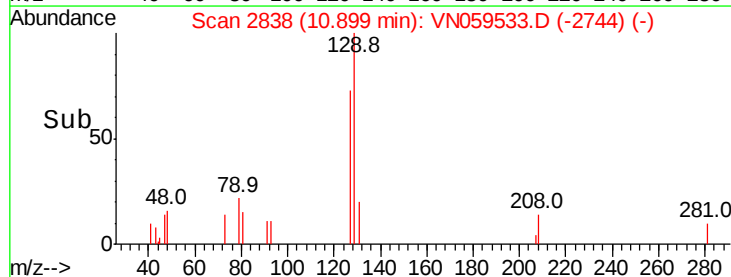
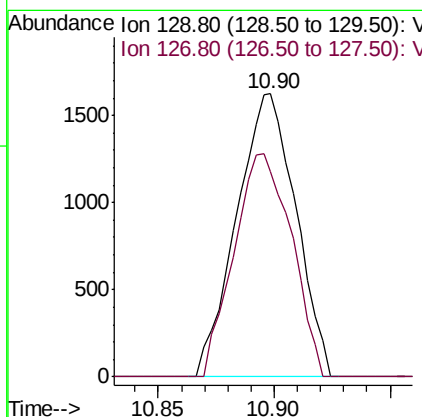
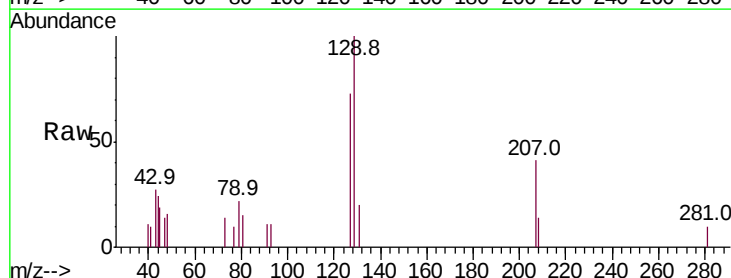
Instrument :
MSVOA_N
ClientSampled :

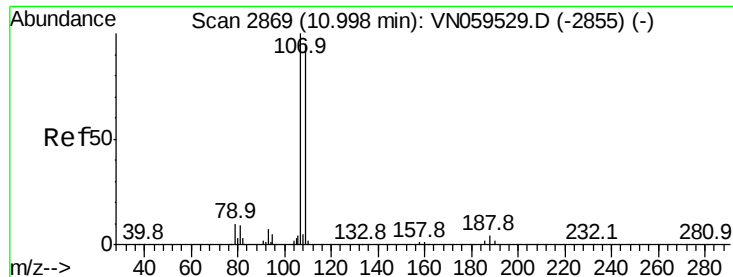
Tot Ion: 43 Resp: 13523
Ion Ratio Lower Upper
43 100
58 47.7 25.9 77.6



#60
Dibromochloromethane
Concen: 0.732 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 129 Resp: 2882
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.6

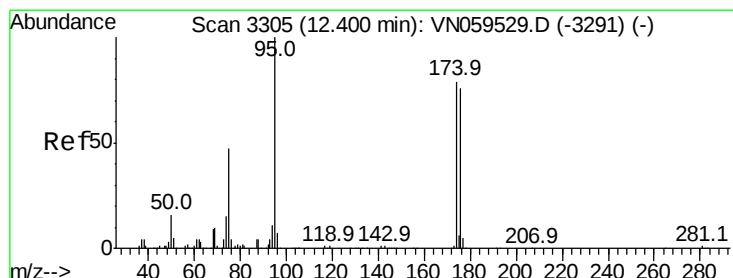
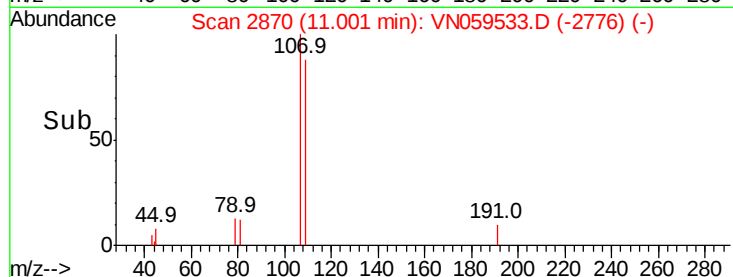
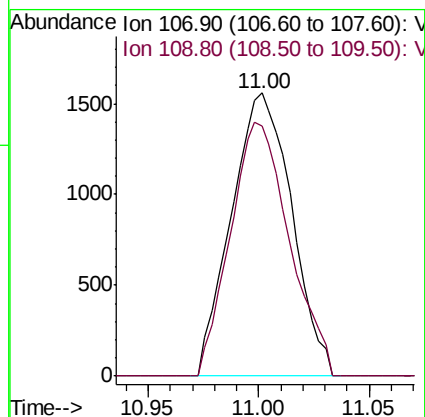
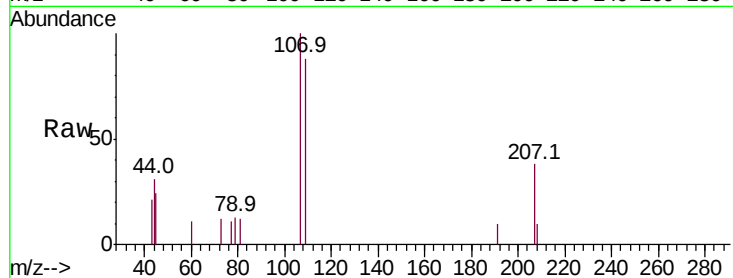




#61
 1,2-Dibromoethane
 Concen: 0.781 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

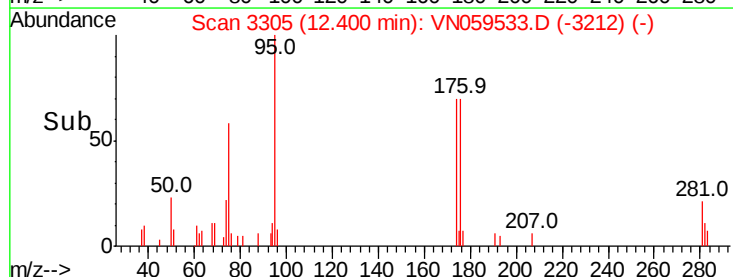
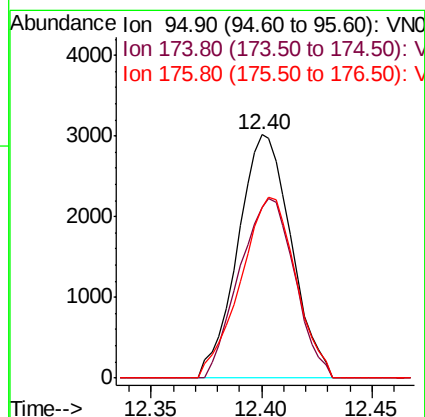
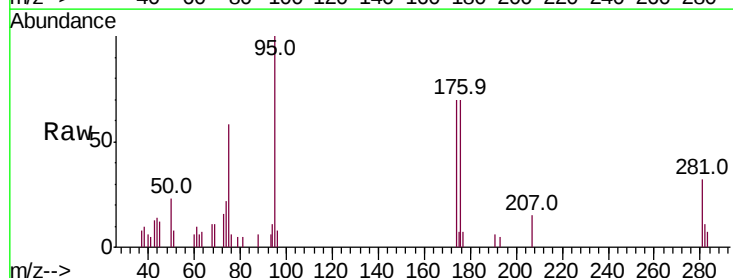
Instrument :
 MSVOA_N
 ClientSampleId :

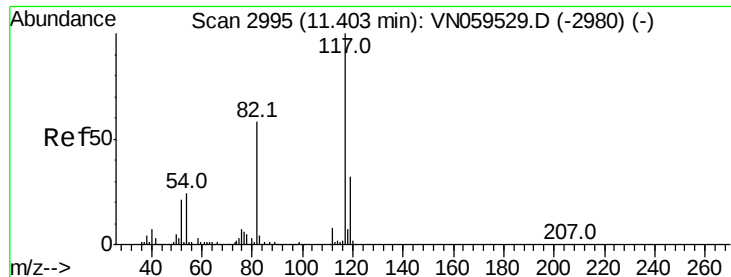
Tot Ion: 107 Resp: 2963
 Ion Ratio Lower Upper
 107 100
 109 87.6 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 1.137 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Tgt Ion: 95 Resp: 5044
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 158.0
 176 76.9 0.0 155.4

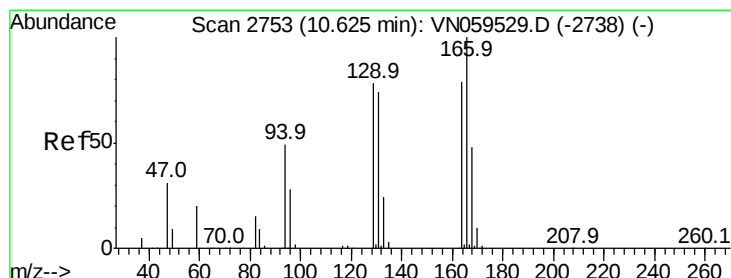
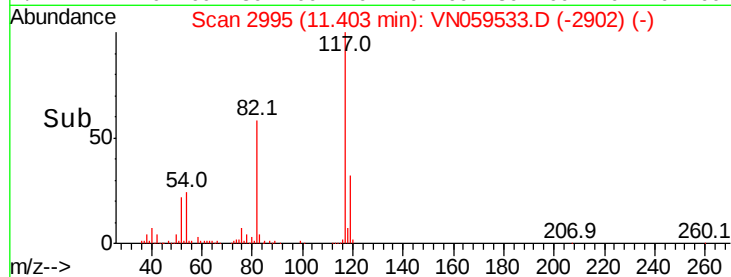
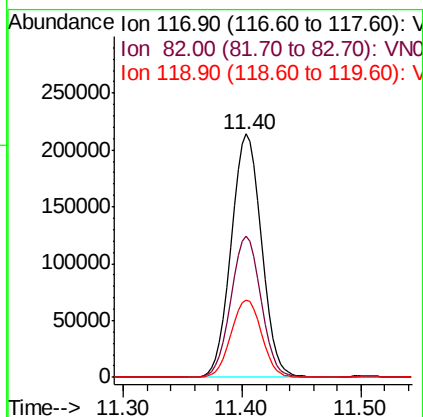
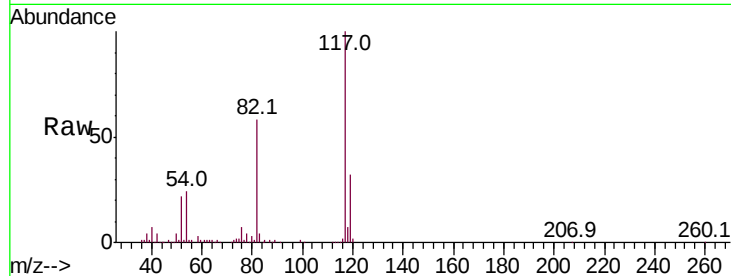




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

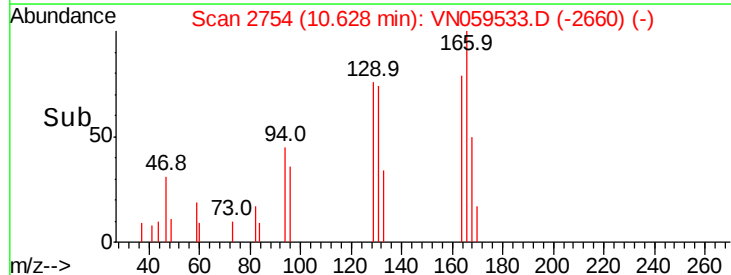
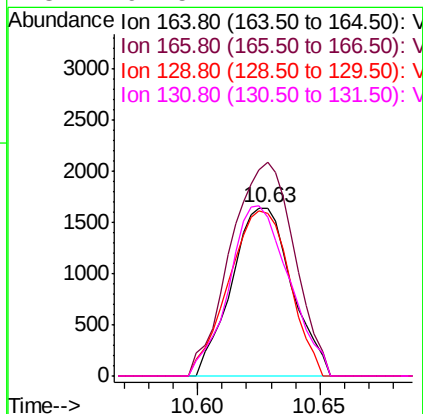
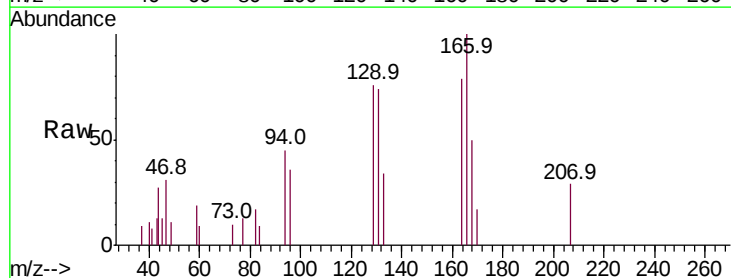
Instrument :
MSVOA_N
ClientSampleId :

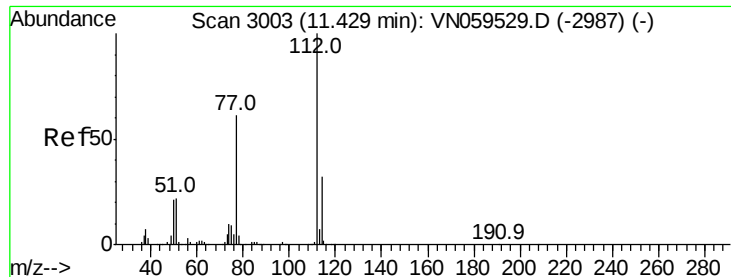
Tot Ion:117 Resp: 378668
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 31.7 25.2 37.8



#64
Tetrachloroethene
Concen: 0.912 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion:164 Resp: 2798
Ion Ratio Lower Upper
164 100
166 127.0 101.6 152.4
129 96.7 79.0 118.6
131 94.5 74.7 112.1

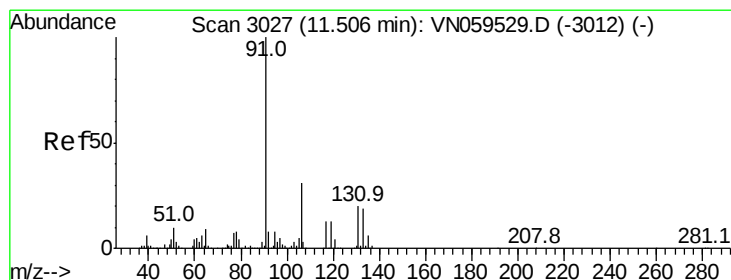
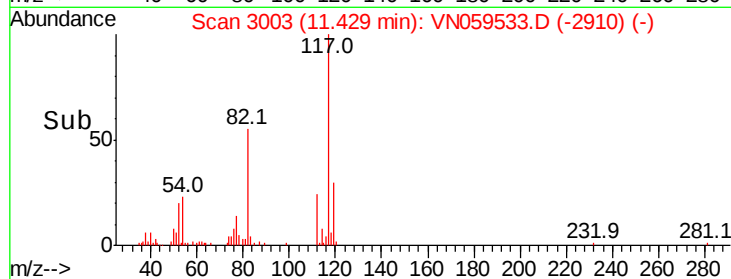
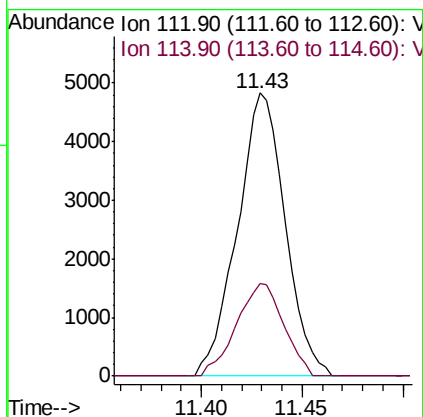
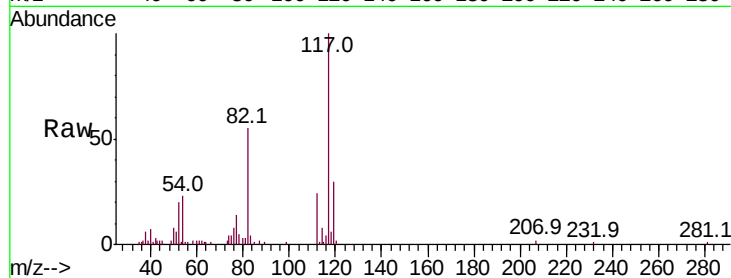




#65
Chlorobenzene
Concen: 0.993 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

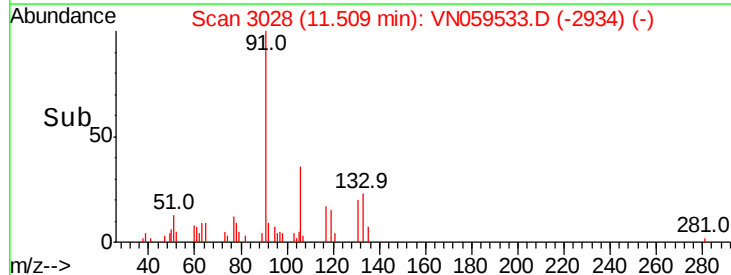
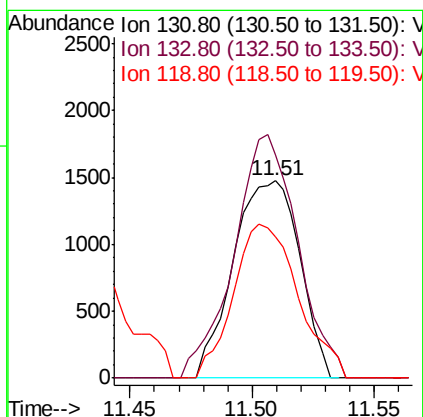
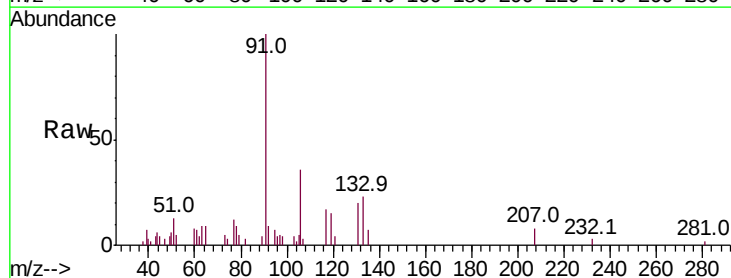
Instrument :
MSVOA_N
ClientSampled :

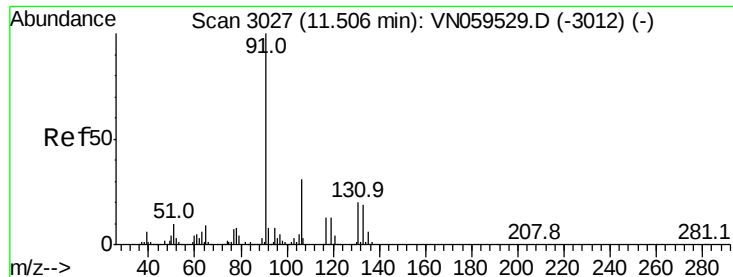
Tot Ion:112 Resp: 8004
Ion Ratio Lower Upper
112 100
114 32.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 0.958 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion:131 Resp: 2785
Ion Ratio Lower Upper
131 100
133 118.2 47.8 143.3
119 0.0 33.4 100.2#

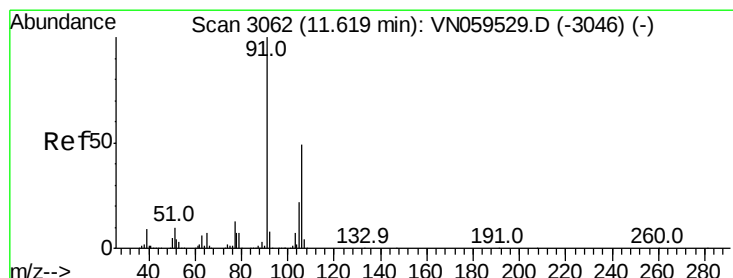
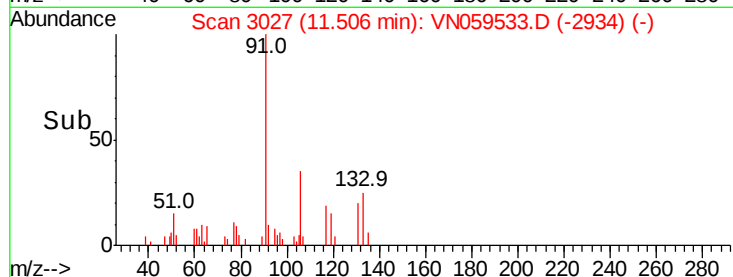
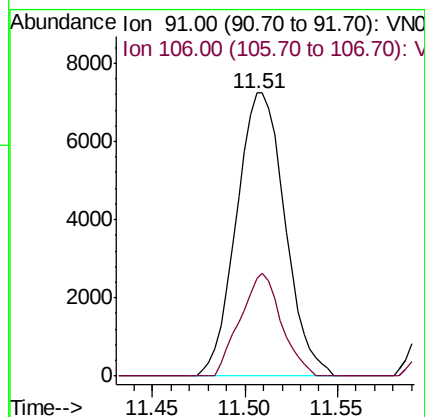
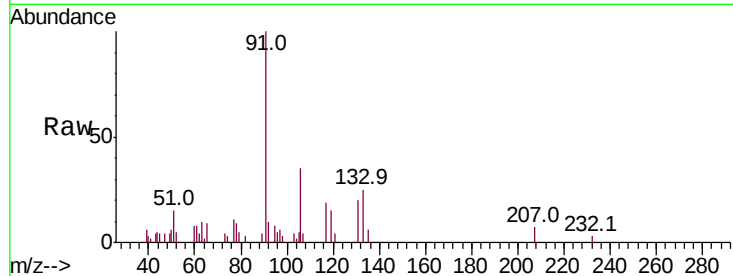




#67
Ethyl Benzene
Concen: 0.930 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

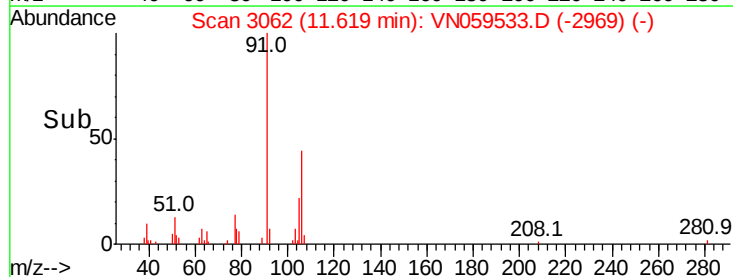
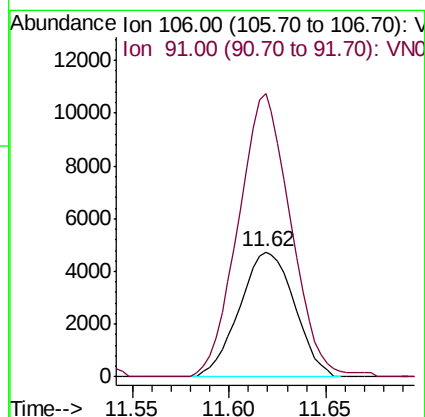
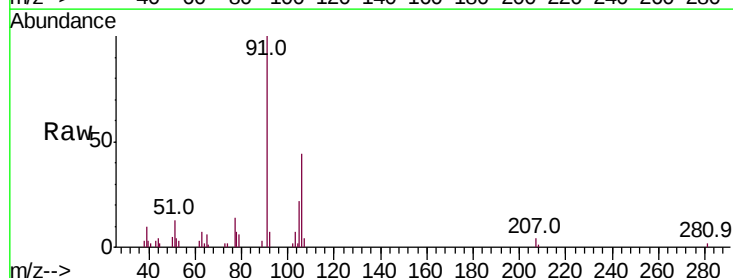
Instrument :
MSVOA_N
ClientSampled :

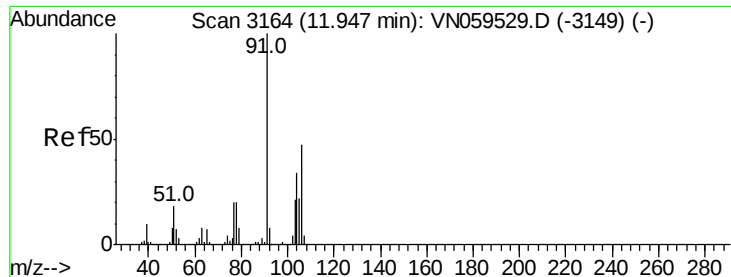
Tot Ion: 91 Resp: 13159
Ion Ratio Lower Upper
91 100
106 34.7 24.5 36.7



#68
m/p-Xylenes
Concen: 1.762 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 106 Resp: 9360
Ion Ratio Lower Upper
106 100
91 215.6 162.9 244.3

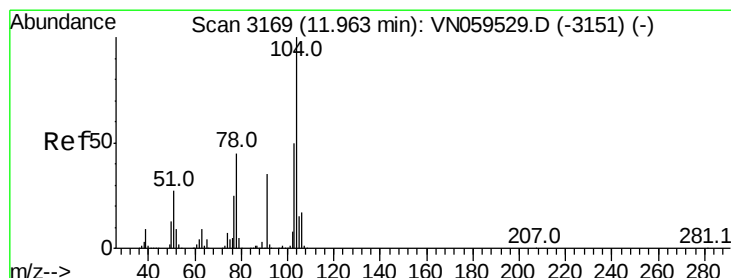
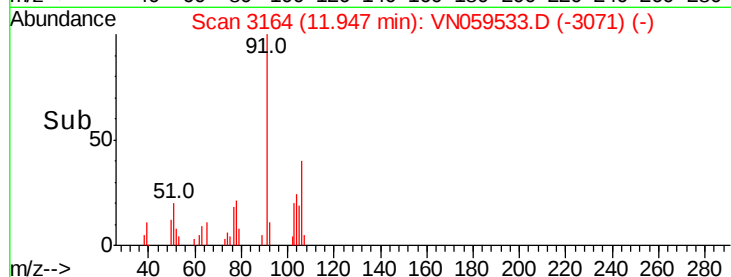
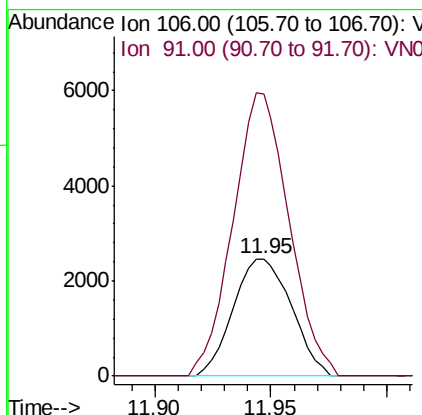
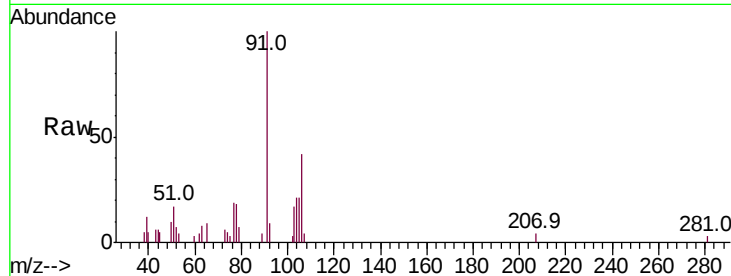




#69
o-Xylene
Concen: 0.849 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

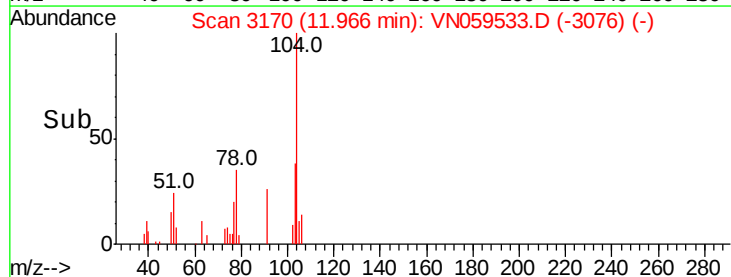
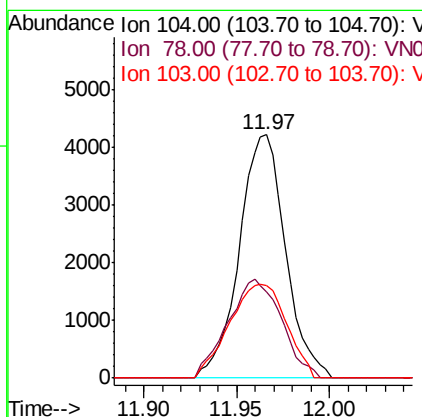
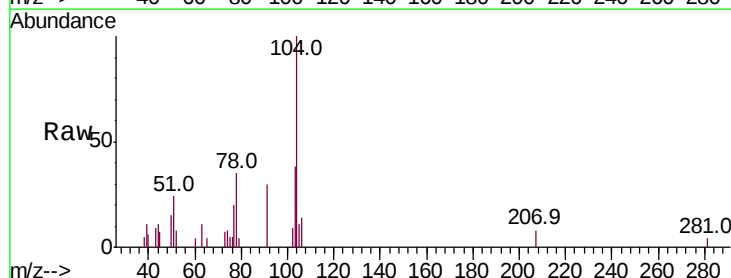
Instrument :
MSVOA_N
ClientSampleId :

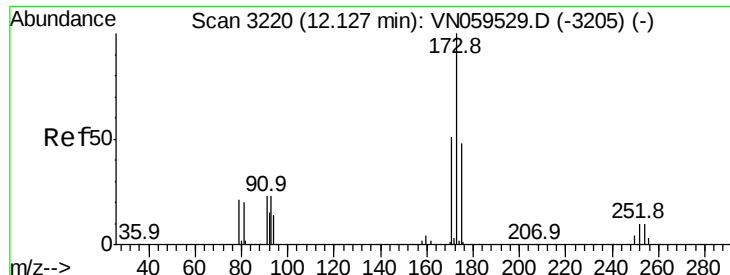
Tot Ion:106 Resp: 4298
Ion Ratio Lower Upper
106 100
91 232.3 106.7 319.9



#70
Styrene
Concen: 0.902 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion:104 Resp: 7310
Ion Ratio Lower Upper
104 100
78 47.0 40.6 60.8
103 47.4 43.9 65.9





#71

Bromoform

Concen: 0.840 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

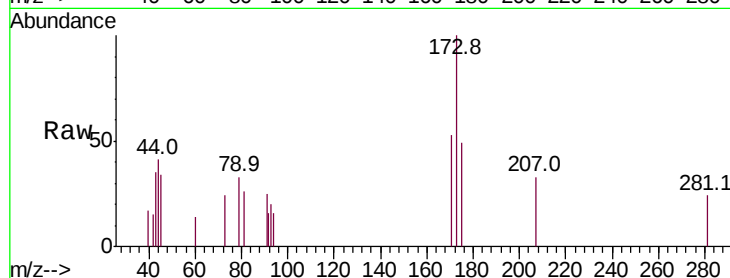
Tot Ion:173 Resp: 1930

Ion Ratio Lower Upper

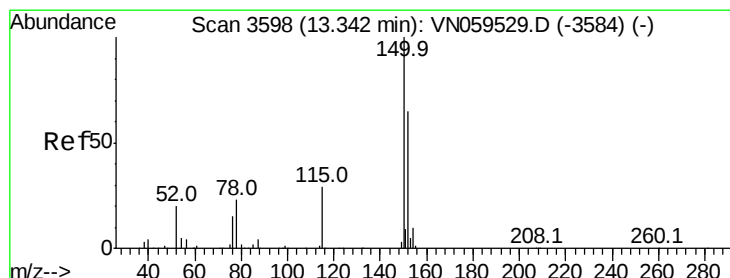
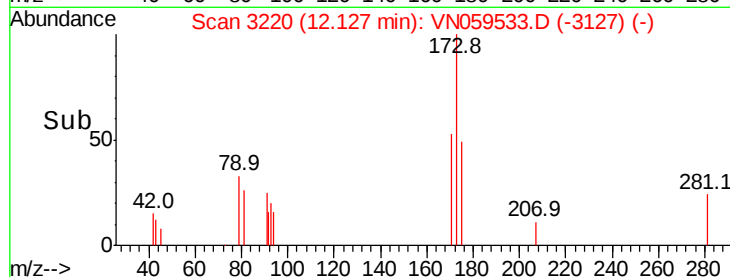
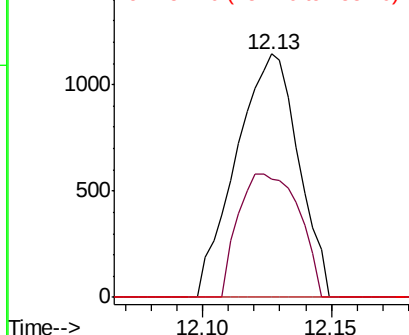
173 100

175 49.4 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

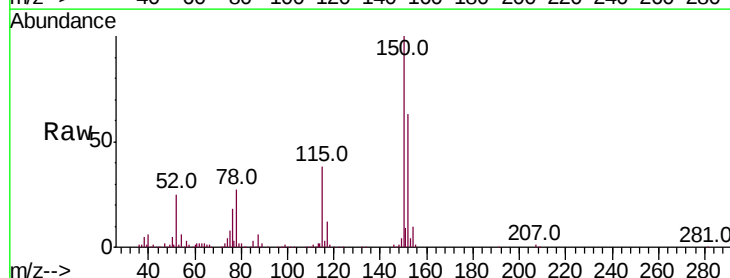
Tgt Ion:152 Resp: 164602

Ion Ratio Lower Upper

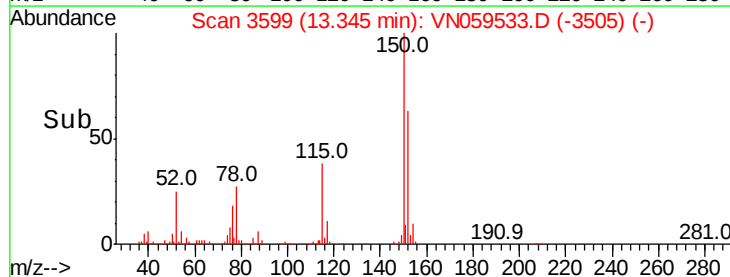
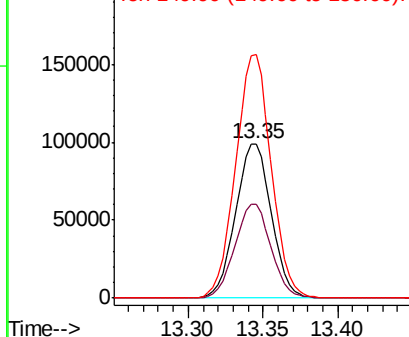
152 100

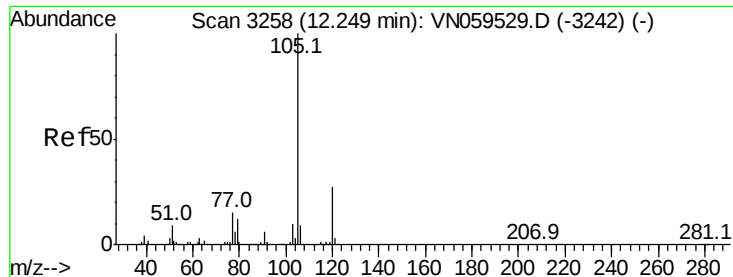
115 60.6 29.4 88.2

150 156.4 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: 0.919 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

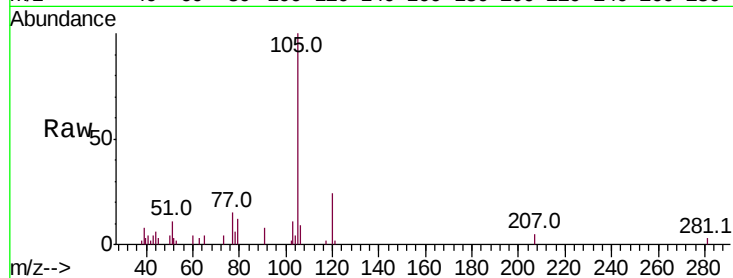
ClientSampled :

Tot Ion:105 Resp: 11524

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

6000

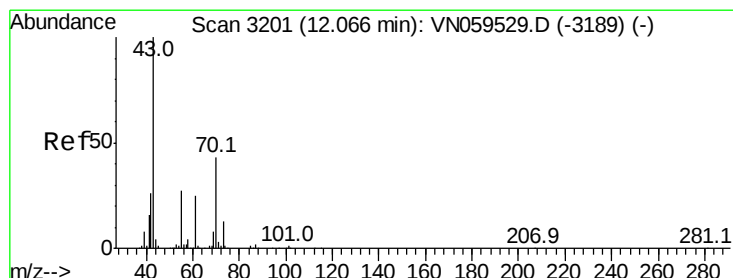
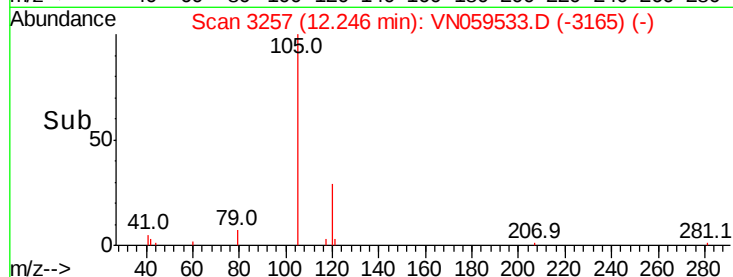
4000

2000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 0.775 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Tgt Ion: 43 Resp: 3971

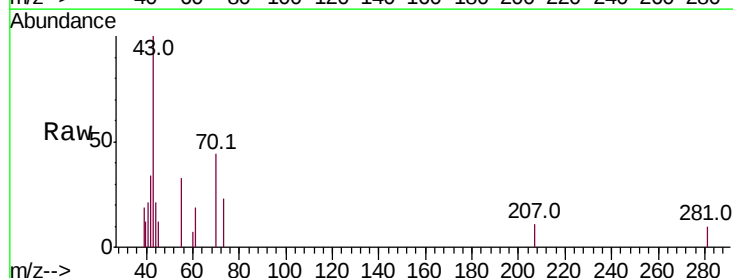
Ion Ratio Lower Upper

43 100

70 45.4 34.2 51.4

55 31.4 21.3 31.9

61 22.6 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

4000

3000

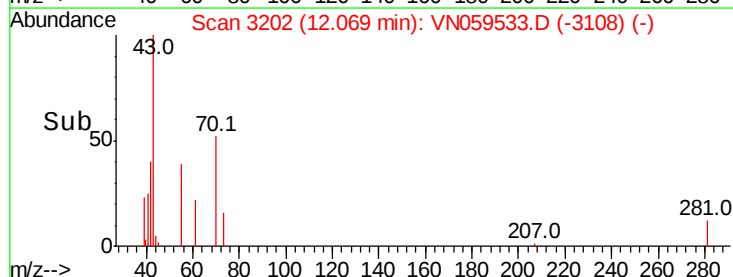
2000

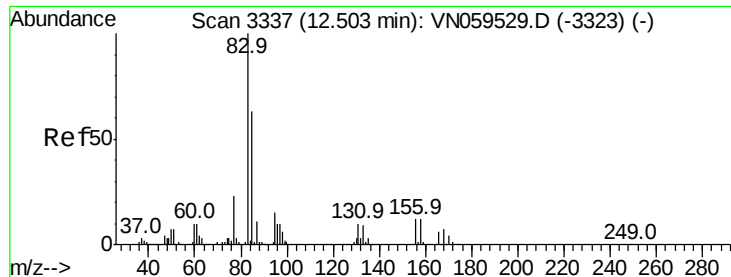
1000

0

12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.027 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

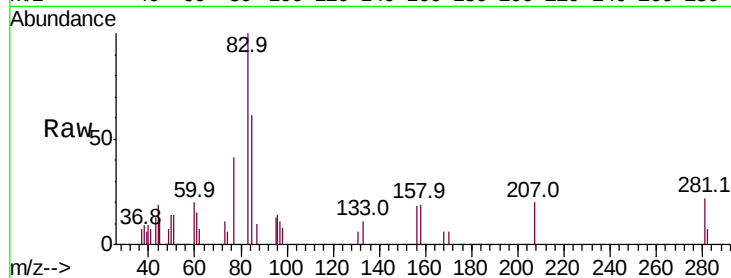
Tot Ion: 83 Resp: 4182

Ion Ratio Lower Upper

83 100

131 2.4 5.0 14.9#

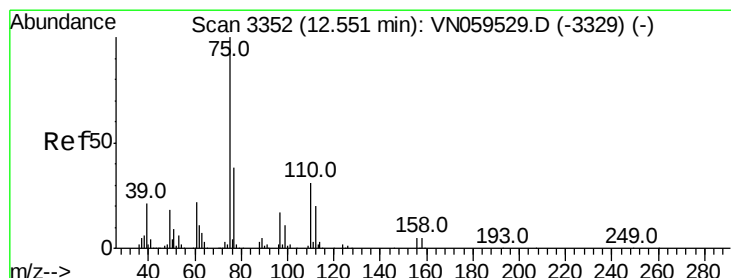
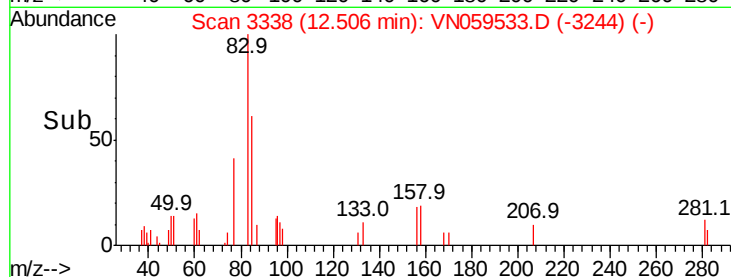
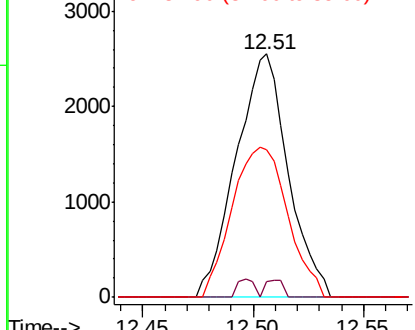
85 65.9 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.475 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059533.D

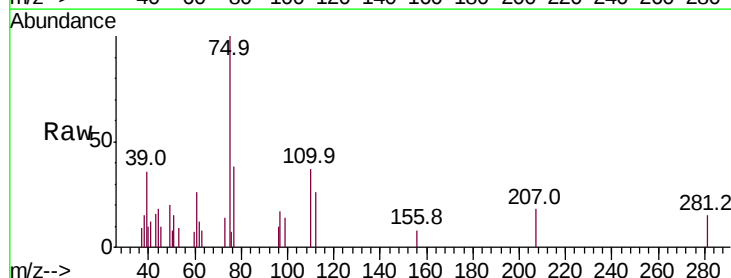
Acq: 9 Dec 2019 17:19

Tgt Ion: 75 Resp: 5932

Ion Ratio Lower Upper

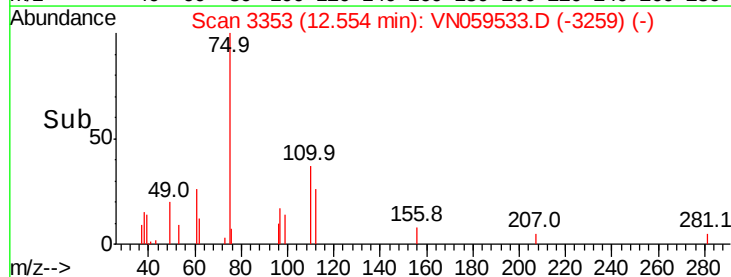
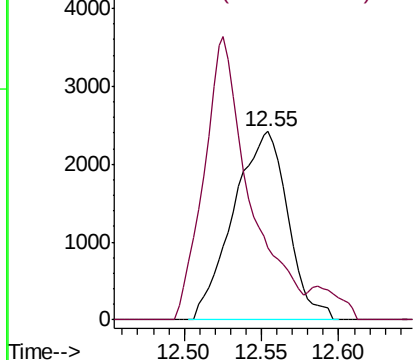
75 100

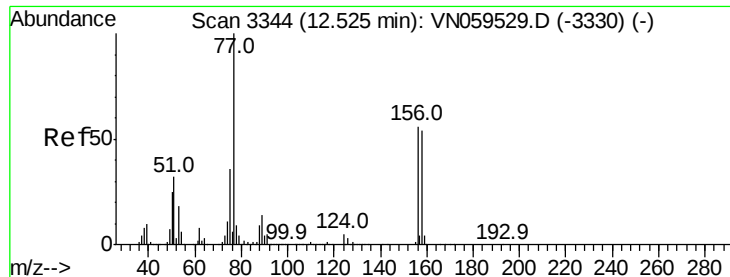
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.002 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

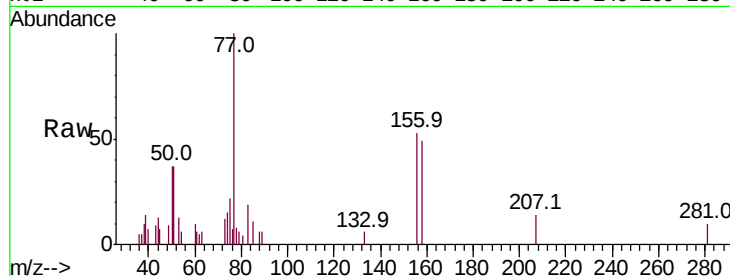
Tot Ion:156 Resp: 3182

Ion Ratio Lower Upper

156 100

77 235.8 109.3 327.8

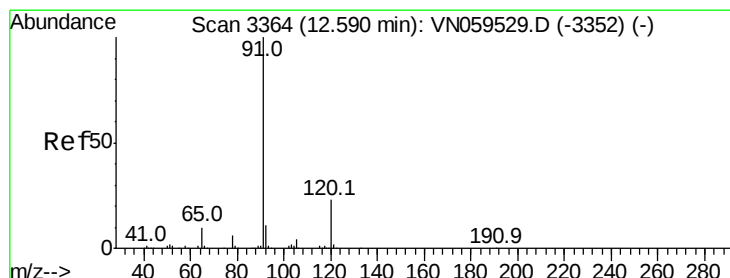
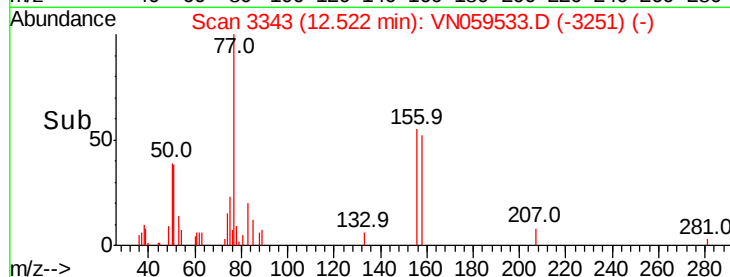
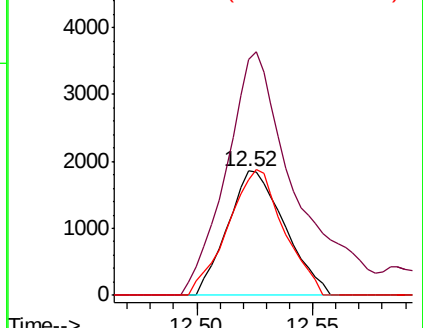
158 98.7 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.933 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059533.D

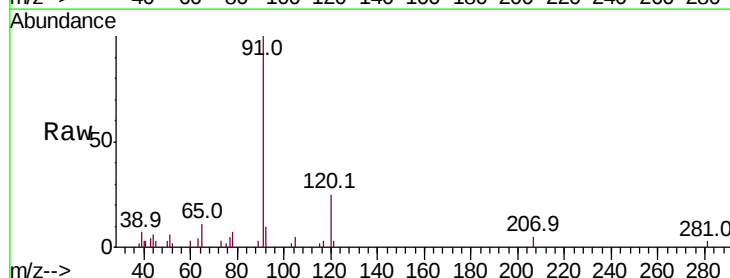
Acq: 9 Dec 2019 17:19

Tgt Ion: 91 Resp: 13761

Ion Ratio Lower Upper

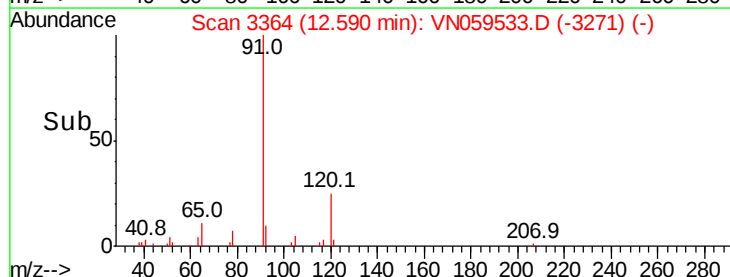
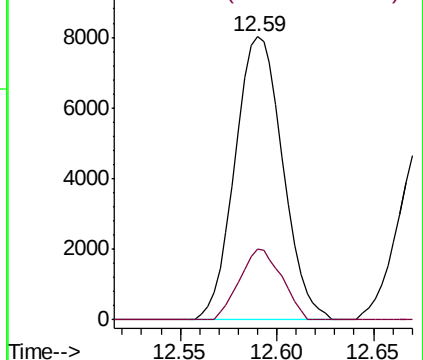
91 100

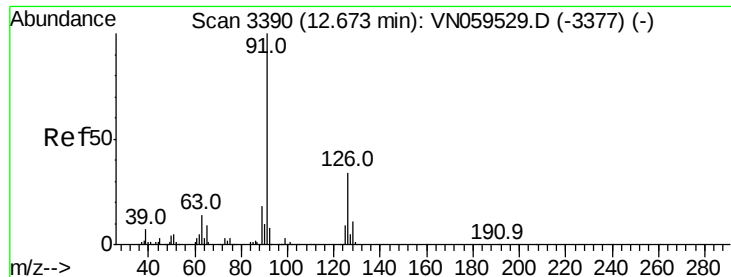
120 22.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.939 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

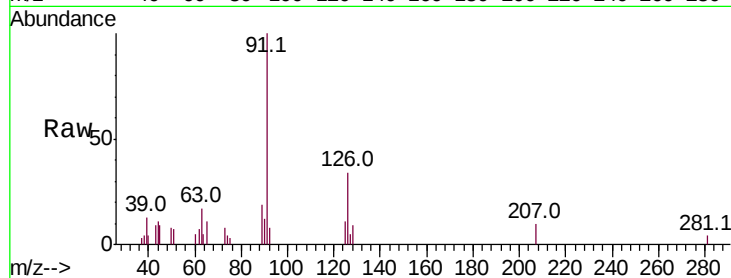
ClientSampleId :

Tot Ion: 91 Resp: 8359

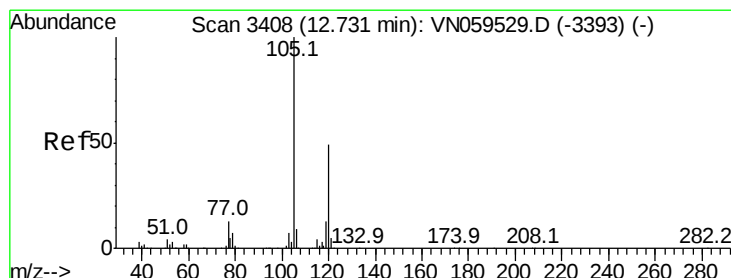
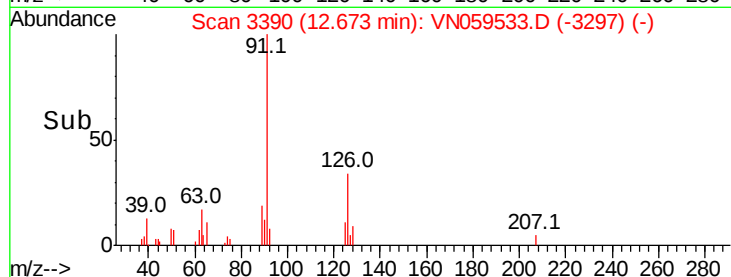
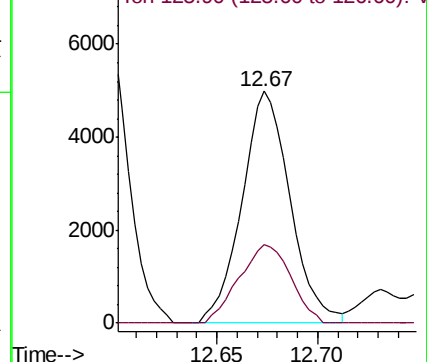
Ion Ratio Lower Upper

91 100

126 36.2 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.861 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059533.D

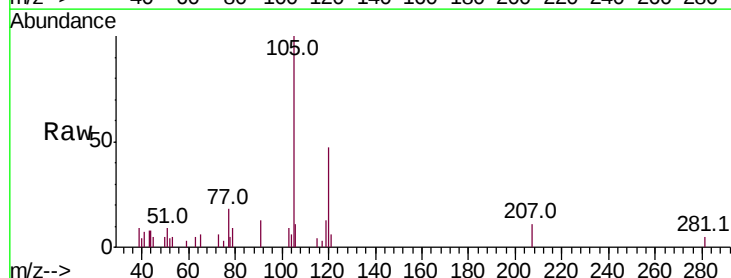
Acq: 9 Dec 2019 17:19

Tgt Ion:105 Resp: 9139

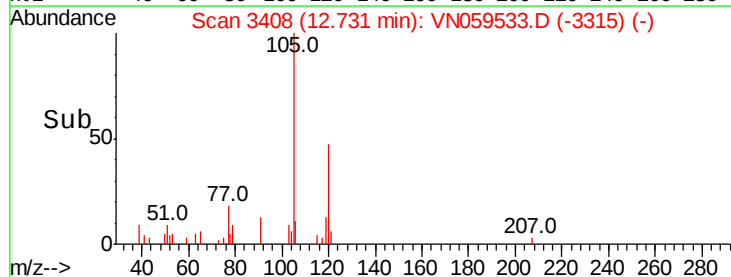
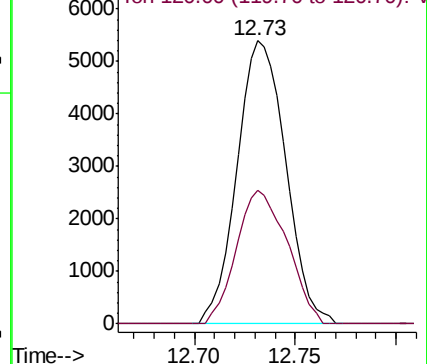
Ion Ratio Lower Upper

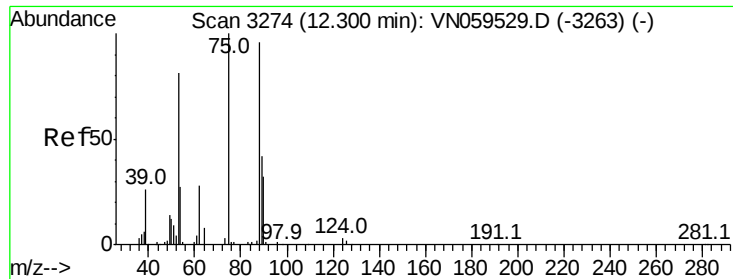
105 100

120 49.1 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 0.917 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.01 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

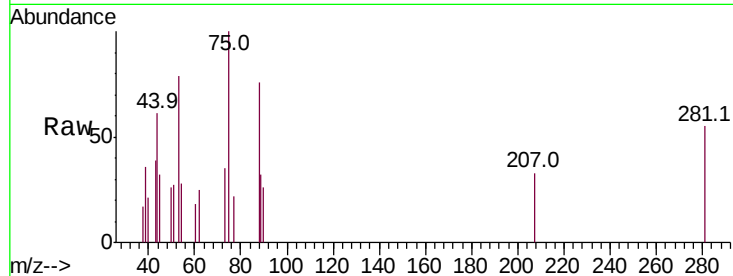
Tot Ion: 75 Resp: 1358

Ion Ratio Lower Upper

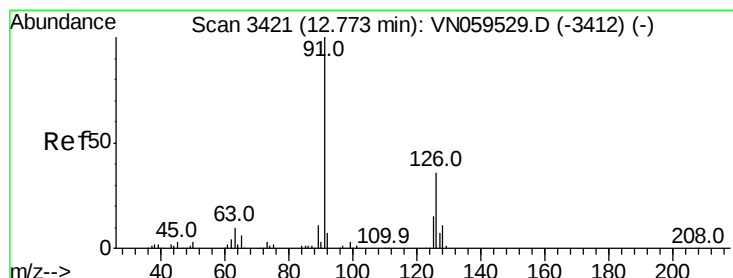
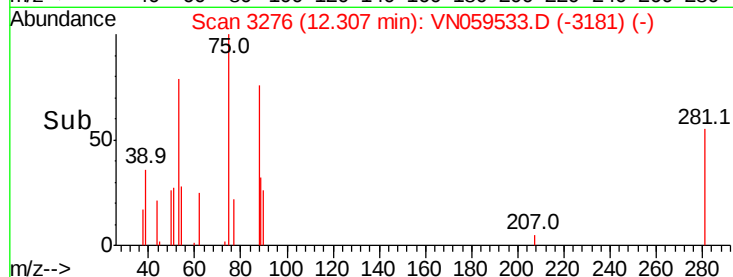
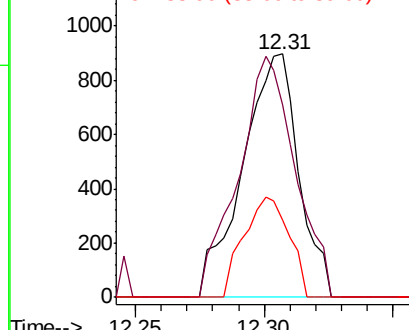
75 100

53 100.4 67.0 100.6

89 33.2 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 0.978 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059533.D

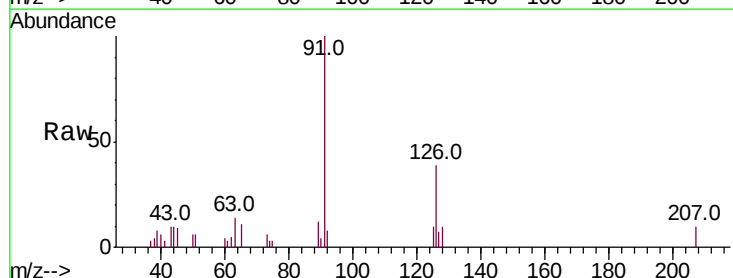
Acq: 9 Dec 2019 17:19

Tgt Ion: 91 Resp: 9024

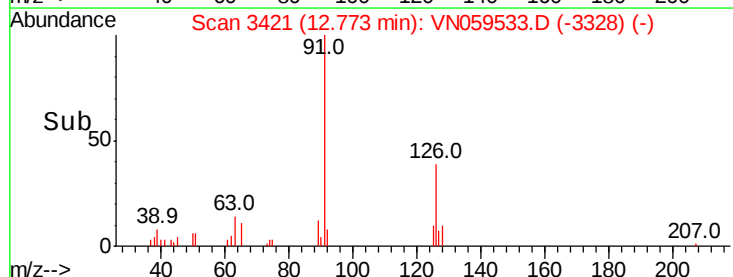
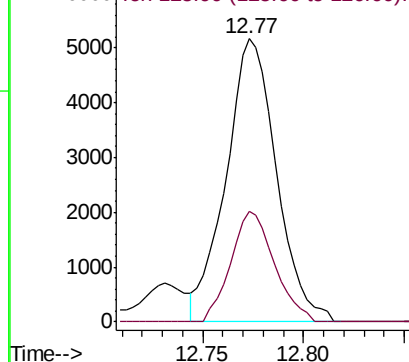
Ion Ratio Lower Upper

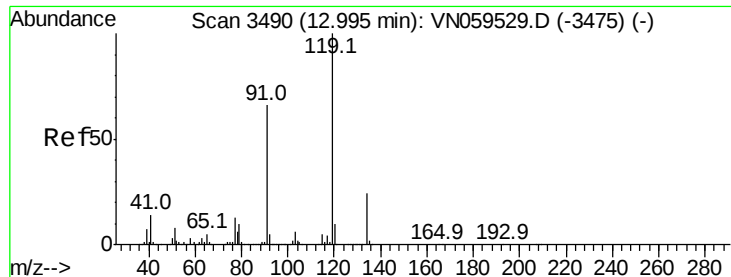
91 100

126 33.7 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.854 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

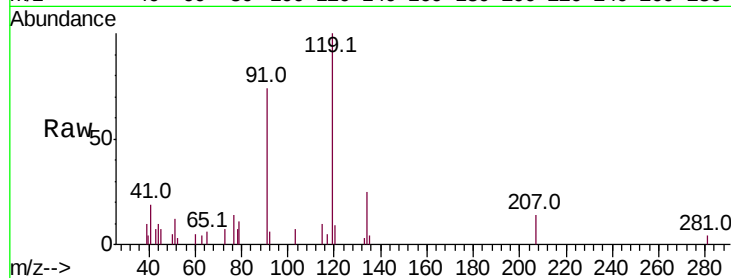
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:119 Resp: 7860

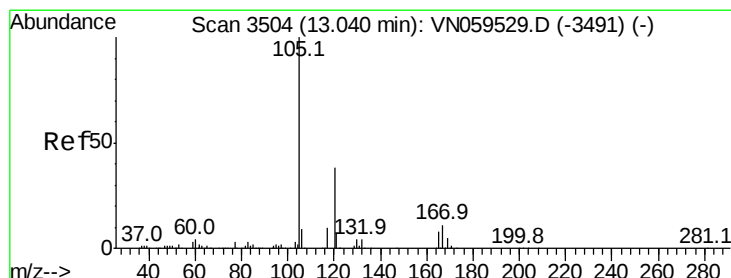
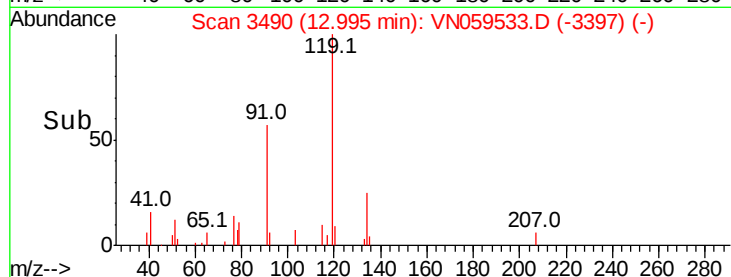
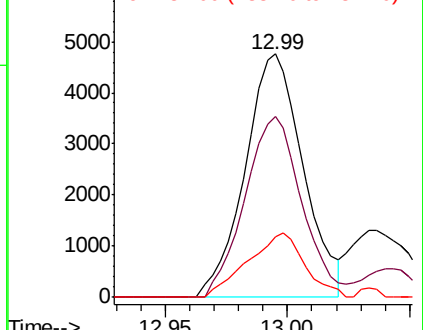
Ion	Ratio	Lower	Upper
119	100		
91	72.7	32.8	98.4
134	26.0	12.8	38.3



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: 0.887 ug/l

RT: 13.04 min Scan# 3504

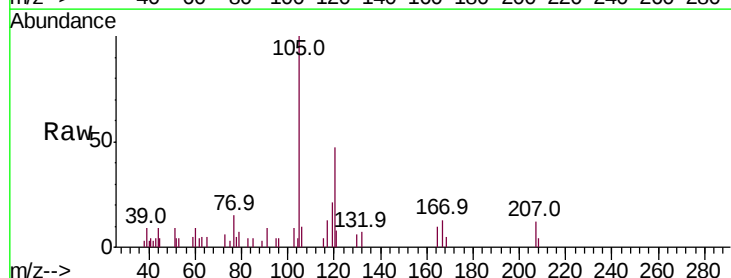
Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

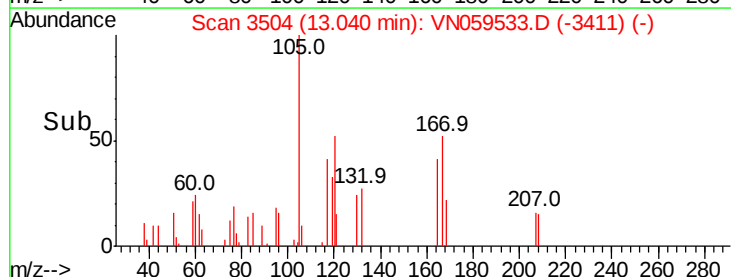
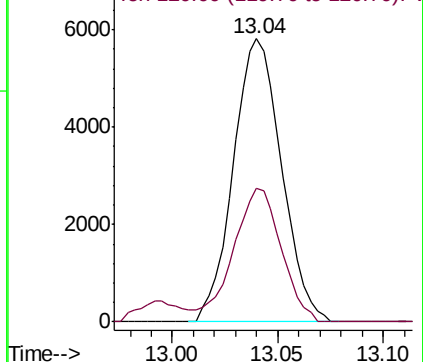
Tgt Ion:105 Resp: 9225

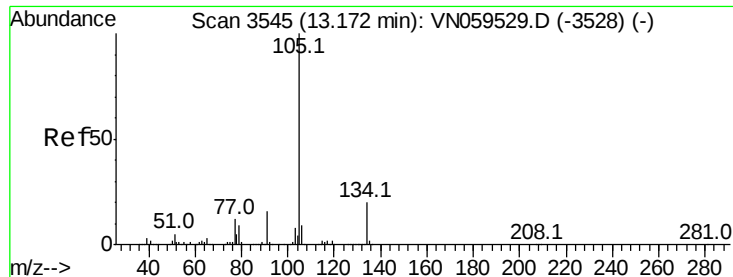
Ion	Ratio	Lower	Upper
105	100		
120	47.1	22.8	68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.901 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

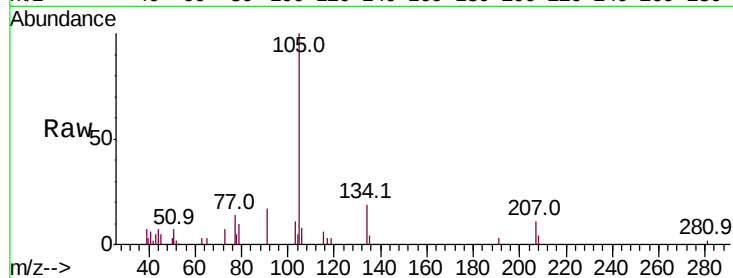
ClientSampled :

Tot Ion:105 Resp: 11032

Ion Ratio Lower Upper

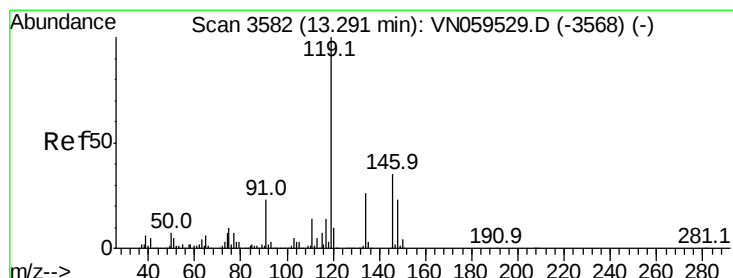
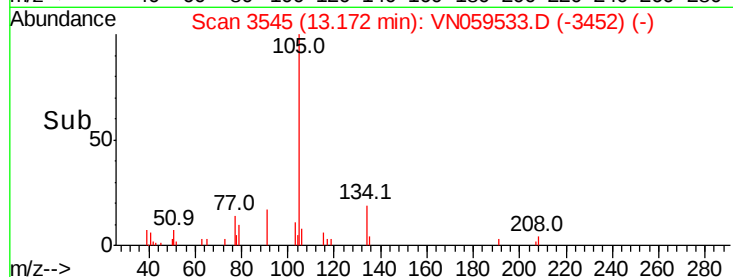
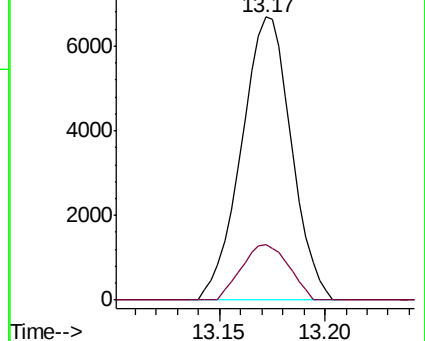
105 100

134 18.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.856 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

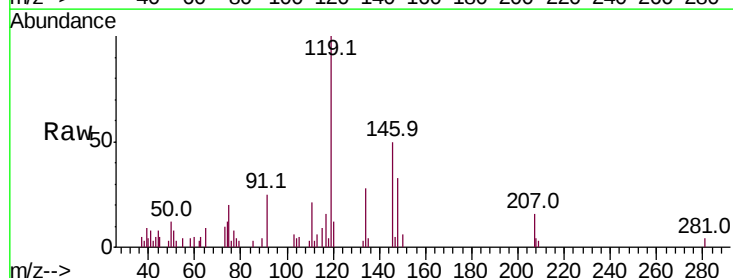
Tgt Ion:119 Resp: 9421

Ion Ratio Lower Upper

119 100

134 28.2 13.0 39.0

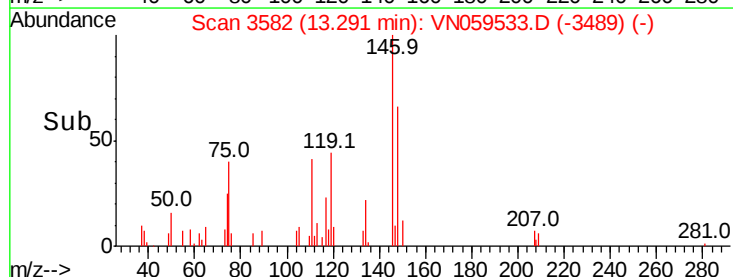
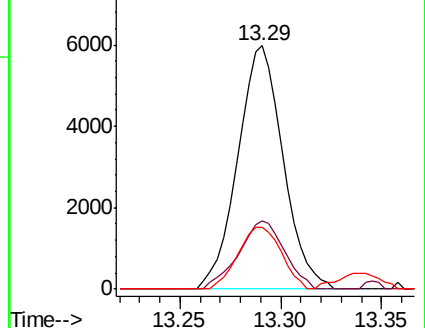
91 24.3 11.7 35.1

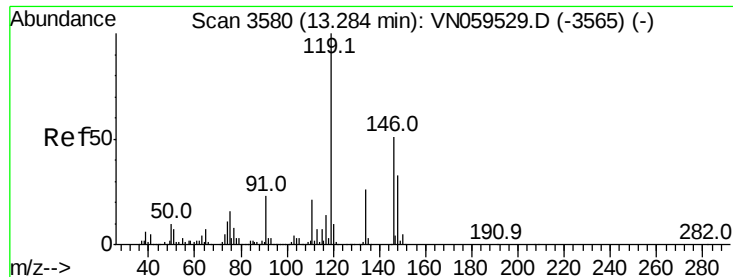


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

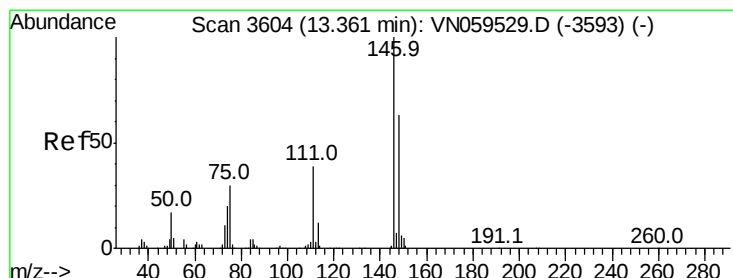
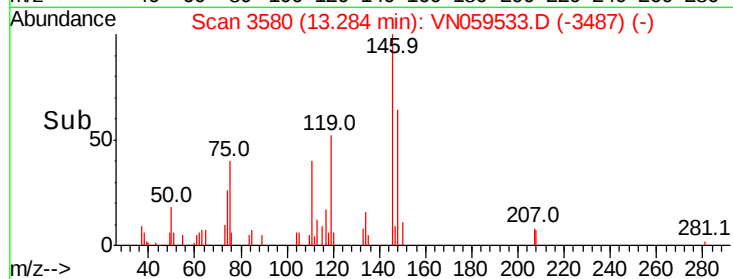
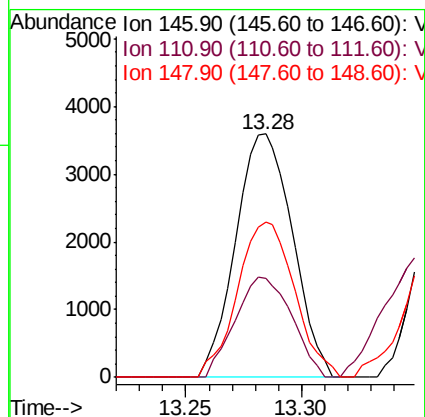
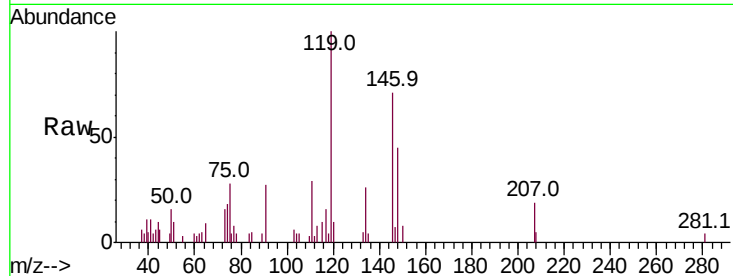




#87
 1,3-Dichlorobenzene
 Concen: 1.083 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

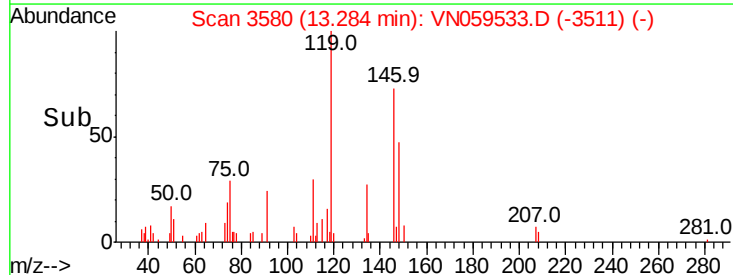
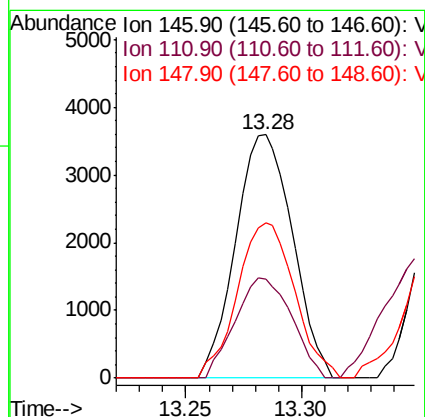
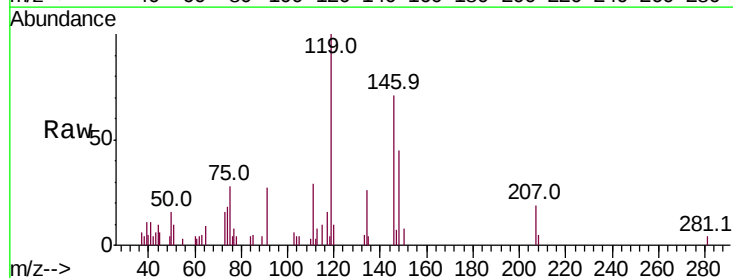
Instrument :
 MSVOA_N
 ClientSampled :

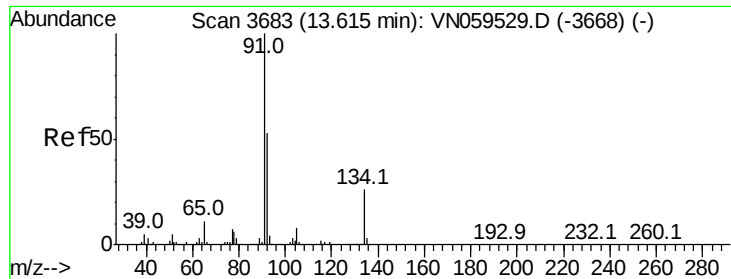
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.8
148	64.0	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 1.073 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	59.9
148	64.0	31.9	95.7

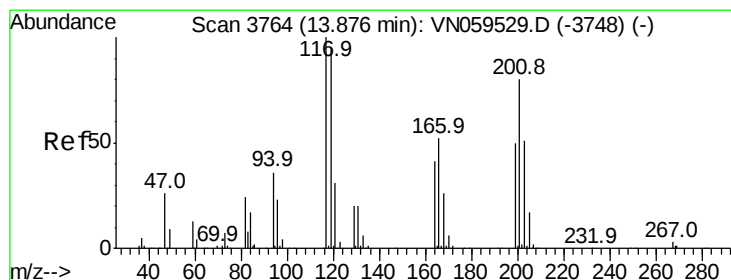
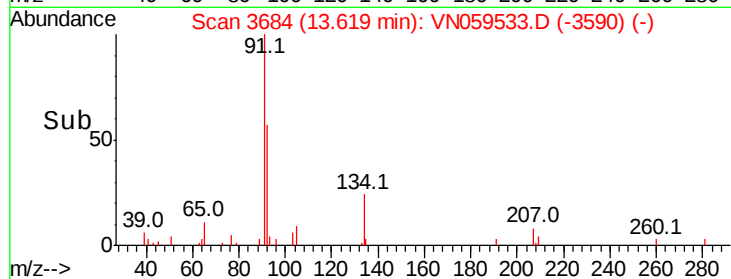
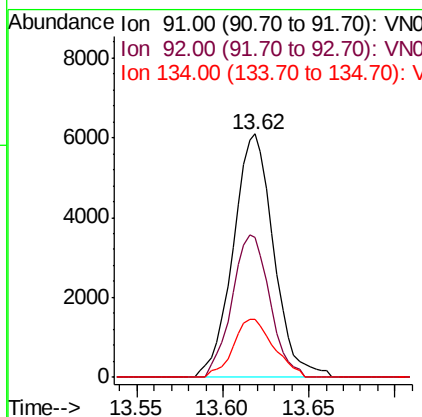
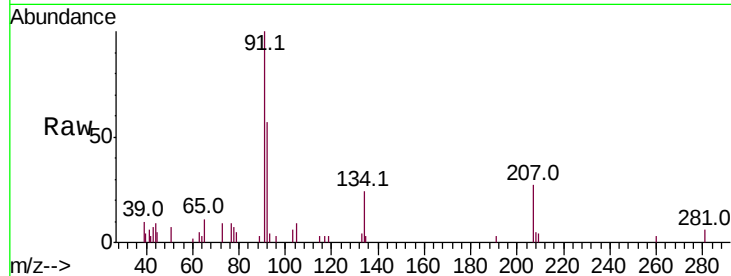




#89
n-Butylbenzene
Concen: 1.011 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

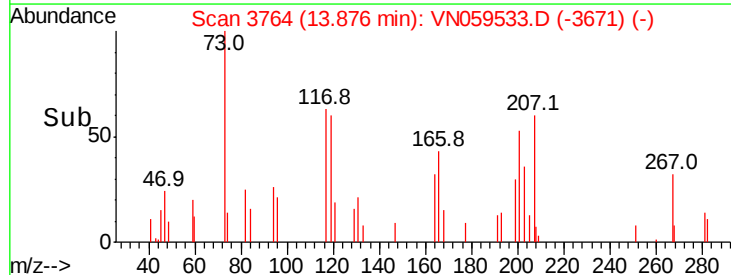
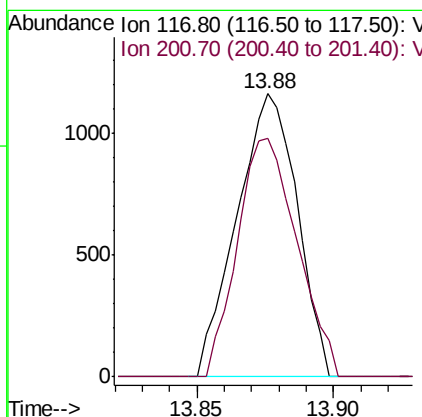
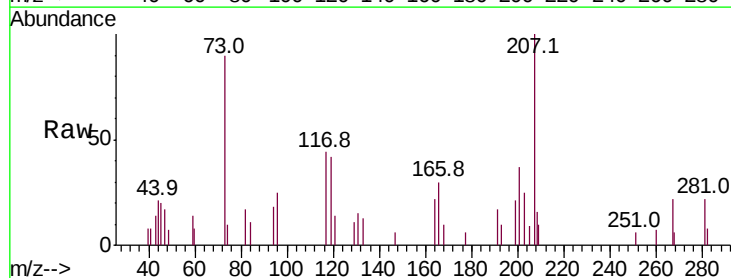
Instrument :
MSVOA_N
ClientSampled :

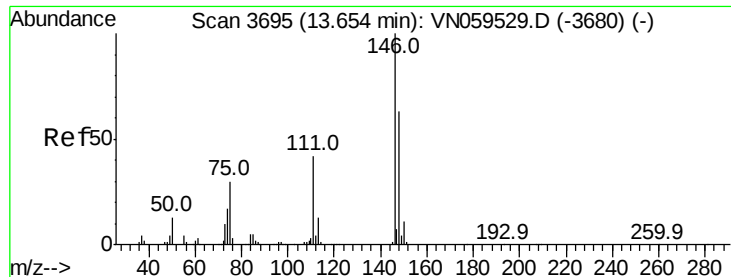
Tot Ion: 91 Resp: 9997
Ion Ratio Lower Upper
91 100
92 54.8 26.3 78.9
134 23.6 12.8 38.4



#90
Hexachloroethane
Concen: 0.839 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059533.D
Acq: 9 Dec 2019 17:19

Tgt Ion: 117 Resp: 1778
Ion Ratio Lower Upper
117 100
201 83.6 40.5 121.5

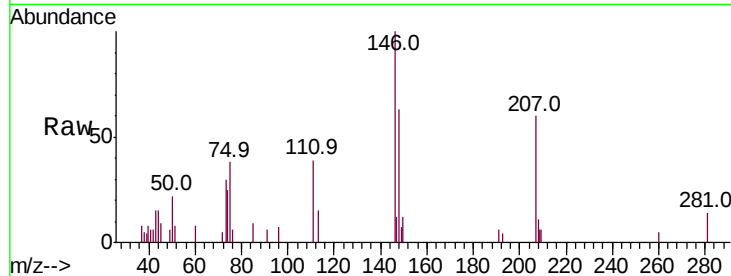




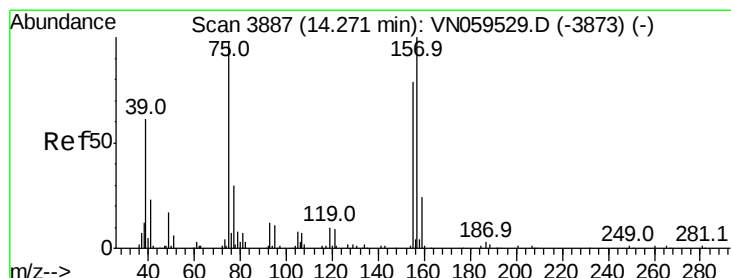
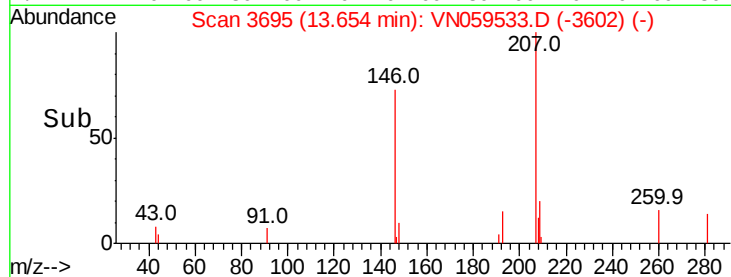
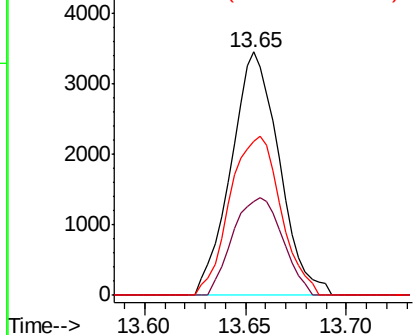
#91
 1,2-Dichlorobenzene
 Concen: 1.066 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 5769
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.9 62.7
 148 69.4 31.6 94.8

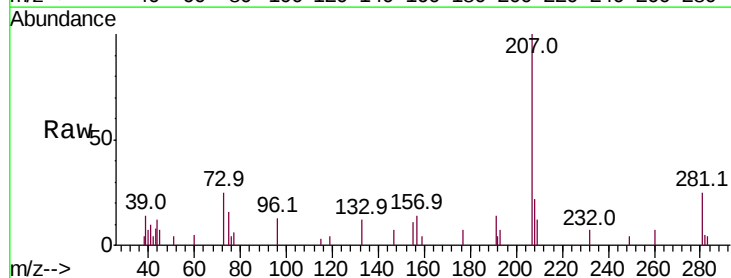


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

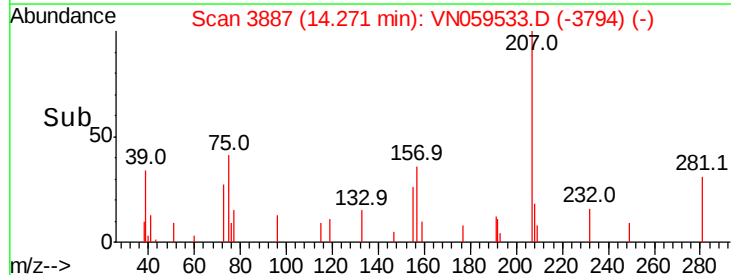
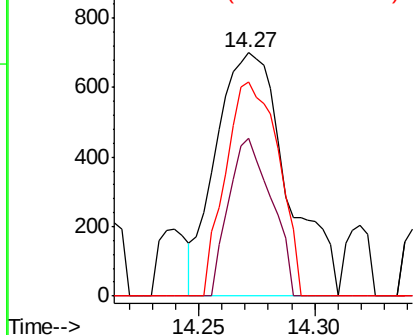


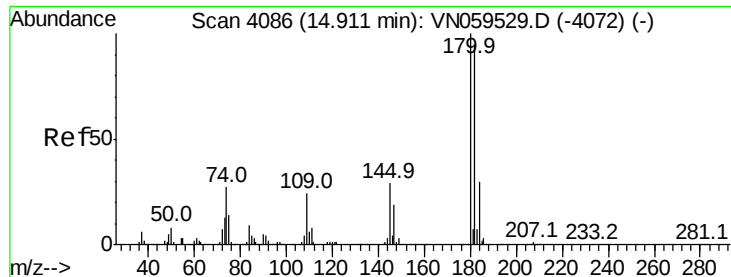
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.522 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059533.D
 Acq: 9 Dec 2019 17:19

Tgt Ion: 75 Resp: 1496
 Ion Ratio Lower Upper
 75 100
 155 38.8 40.4 121.1#
 157 65.2 51.1 153.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 1.364 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

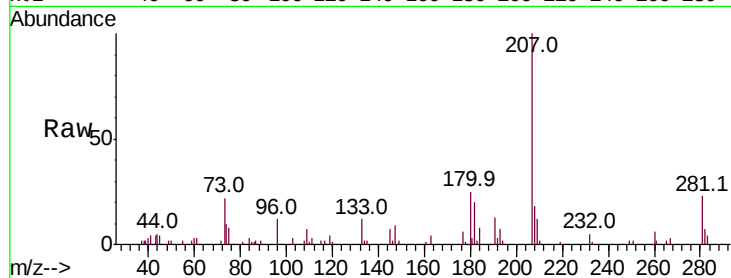
Tot Ion:180 Resp: 4644

Ion Ratio Lower Upper

180 100

182 86.9 47.3 142.0

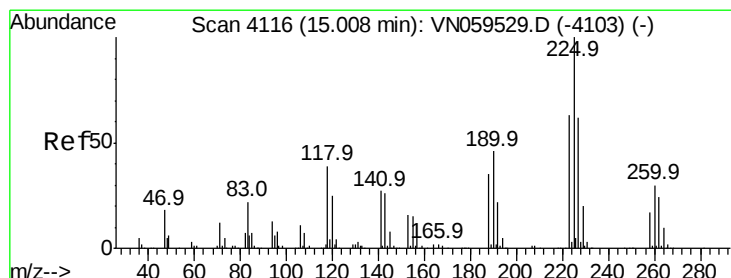
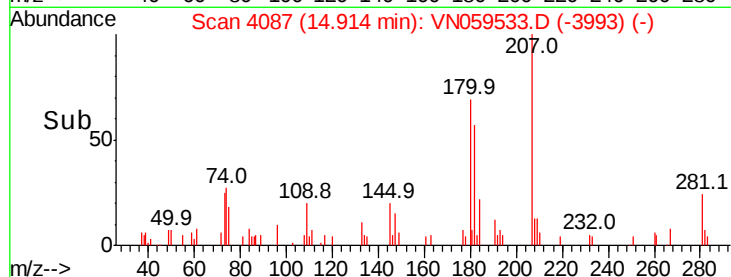
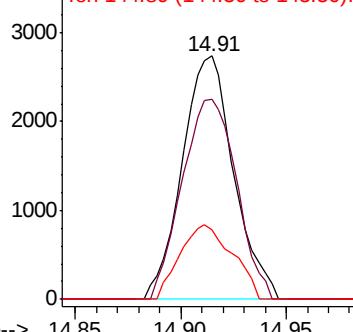
145 31.0 14.9 44.7



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: 0.980 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

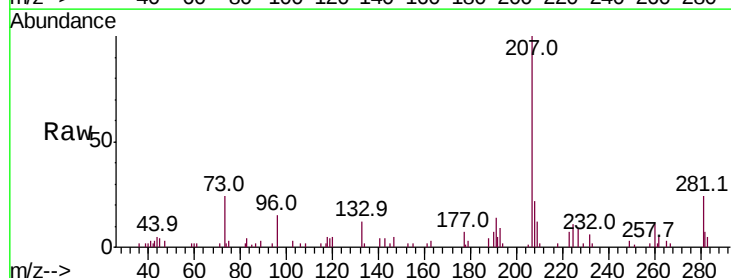
Tgt Ion:225 Resp: 2076

Ion Ratio Lower Upper

225 100

223 69.1 31.3 93.9

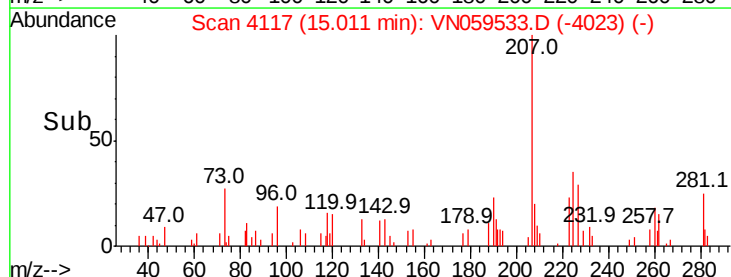
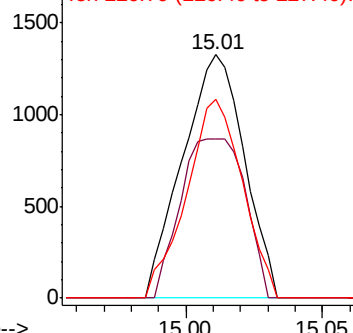
227 74.2 31.6 95.0

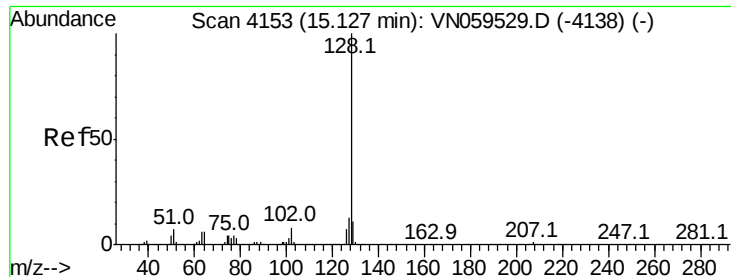


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.406 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

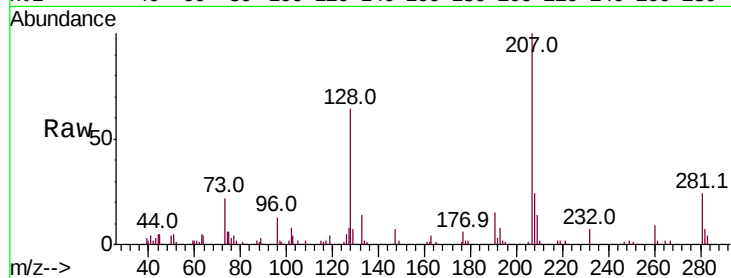
Tot Ion:128 Resp: 14037

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

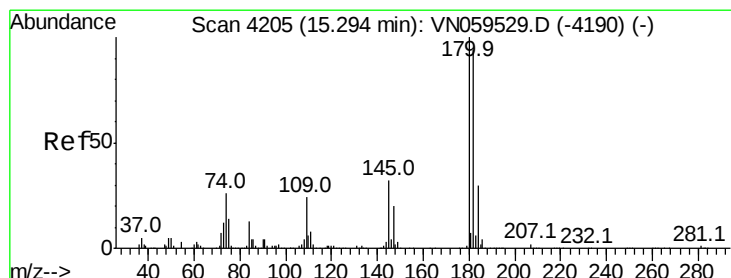
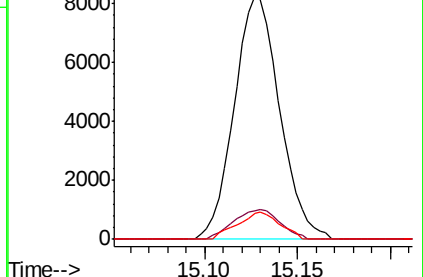
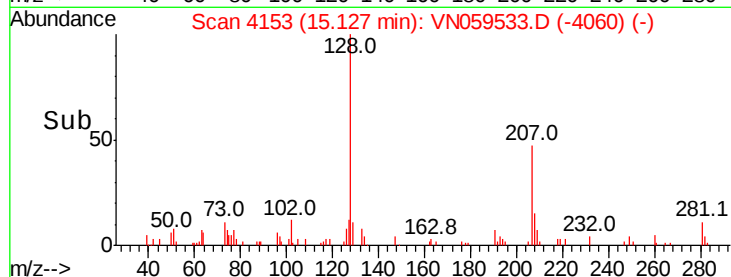
129 10.5 8.6 13.0



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: 1.507 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059533.D

Acq: 9 Dec 2019 17:19

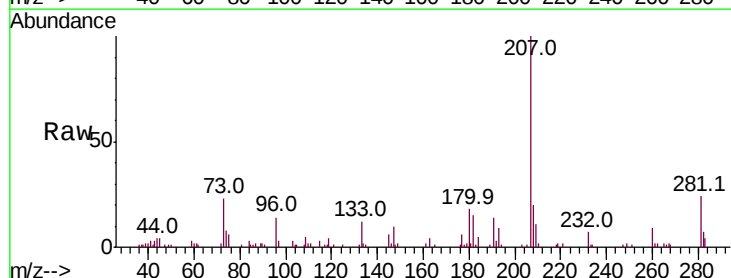
Tgt Ion:180 Resp: 5486

Ion Ratio Lower Upper

180 100

182 83.8 47.1 141.4

145 34.6 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

