

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090919\
 Data File : VN057796.D
 Acq On : 9 Sep 2019 12:52
 Operator : JC/SP
 Sample : VN0909WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 09 16:16:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	69388	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	413395	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	373668	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	186268	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	12.40	95	189532	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	10.09	98	540864	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	87485	20.868	ug/l 96
3) Chloromethane	2.03	50	107112	20.490	ug/l 98
4) Vinyl Chloride	2.16	62	110521	20.664	ug/l 98
5) Bromomethane	2.54	94	70883	21.236	ug/l 91
6) Chloroethane	2.68	64	68381	20.572	ug/l 93
7) Trichlorofluoromethane	3.00	101	120959	19.575	ug/l 99
8) Diethyl Ether	3.39	74	51140	20.516	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	79913	20.711	ug/l 98
10) 1,1-Dichloroethene	3.71	96	76555	20.865	ug/l 94
11) Methyl Iodide	3.93	142	97514	19.865	ug/l 98
12) Methyl Acetate	4.30	43	102954	20.447	ug/l 98
13) Acrolein	3.59	56	23710	86.789	ug/l 96
14) Acrylonitrile	4.96	53	215008	104.748	ug/l # 92
15) Acetone	3.80	58	56352	96.703	ug/l 94
16) Carbon Disulfide	4.03	76	164574	19.263	ug/l 99
17) Allyl chloride	4.30	41	135826	20.203	ug/l 94
18) Methylene Chloride	4.53	84	96385	20.847	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	81724	19.985	ug/l 97
20) Diisopropyl ether	5.93	45	321101	20.429	ug/l 97
21) 1,1-Dichloroethane	5.83	63	178580	20.606	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	104342	20.825	ug/l 97
23) tert-Butyl Alcohol	4.77	59	69243	103.333	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	289135	20.560	ug/l # 100
25) Chloroform	7.36	83	180685	20.478	ug/l 100
26) Cyclohexane	7.64	56	149280	20.501	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	129939	19.981	ug/l 99
30) 2-Butanone	6.82	43	293357	100.044	ug/l 100
31) 2,2-Dichloropropane	6.80	77	133041	19.377	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	142225	19.451	ug/l 97
33) Carbon Tetrachloride	7.76	117	116970	19.610	ug/l 97
34) Benzene	8.03	78	393256	20.408	ug/l 99
35) Methacrylonitrile	7.16	41	48486	17.827	ug/l 97
36) 1,2-Dichloroethane	8.11	62	149978	20.057	ug/l 99
37) Trichloroethene	8.83	130	90743	19.389	ug/l 94
38) Methylcyclohexane	9.07	83	146396	19.769	ug/l 99
39) 1,2-Dichloropropane	9.11	63	108918	20.127	ug/l 97
40) Dibromomethane	9.20	93	67398	20.477	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	126808	19.110	ug/l	96
42) Vinyl Acetate	5.87	43	1265818	107.407	ug/l	99
43) Ethyl Acetate	6.91	43	114060	19.065	ug/l #	83
44) Isopropyl Acetate	8.15	43	208373	19.976	ug/l #	92
45) 1,4-Dioxane	9.19	88	32763	399.716	ug/l	97
46) Methyl methacrylate	9.19	41	102498	20.116	ug/l	99
47) n-amyl Acetate	12.07	43	183083	19.107	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	130186	18.429	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	150144	18.943	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	96830	20.282	ug/l	98
51) Ethyl methacrylate	10.43	69	144714	19.549	ug/l	99
52) 1,3-Dichloropropane	10.71	76	167498	20.062	ug/l	100
53) Dibromochloromethane	10.90	129	84963	18.020	ug/l	99
54) 1,2-Dibromoethane	11.00	107	94134	19.817	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	346773	98.584	ug/l	99
56) Bromoform	12.13	173	50942	17.441	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	640543	110.538	ug/l	99
59) 2-Hexanone	10.75	43	457350	105.173	ug/l	100
61) Tetrachloroethene	10.63	164	75630	19.907	ug/l	97
62) Toluene	10.15	91	428484	20.709	ug/l	99
64) Chlorobenzene	11.43	112	256618	19.994	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	86265	19.357	ug/l	98
66) Ethyl Benzene	11.51	91	474481	21.012	ug/l	99
67) m/p-Xylenes	11.62	106	347127	40.276	ug/l	99
68) o-Xylene	11.95	106	167356	19.821	ug/l	99
69) Styrene	11.97	104	283090	19.664	ug/l	100
70) Isopropylbenzene	12.25	105	462238	20.707	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	139361	19.976	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	171541	27.704	ug/l	70
73) Bromobenzene	12.53	156	103089	19.290	ug/l	99
74) n-propylbenzene	12.59	91	541769	21.243	ug/l	99
75) 2-Chlorotoluene	12.68	91	316984	19.955	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	385659	20.289	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31661	17.235	ug/l	95
78) 4-Chlorotoluene	12.78	91	322978	19.933	ug/l	99
79) tert-butylbenzene	13.00	119	334293	20.159	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	391139	20.652	ug/l	100
81) sec-Butylbenzene	13.17	105	448907	20.403	ug/l	99
82) p-Isopropyltoluene	13.29	119	398912	20.245	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	190005	19.128	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	189012	19.327	ug/l	98
85) n-Butylbenzene	13.62	91	362327	19.731	ug/l	99
86) Hexachloroethane	13.88	117	53634	17.089	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	191093	19.818	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22193	18.068	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	112631	19.122	ug/l	99
90) Hexachlorobutadiene	15.01	225	50568	18.693	ug/l	99
91) Naphthalene	15.13	128	320980	19.805	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	108302	19.280	ug/l	99

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QLast Update : Mon Sep 09 12:14:07 2019
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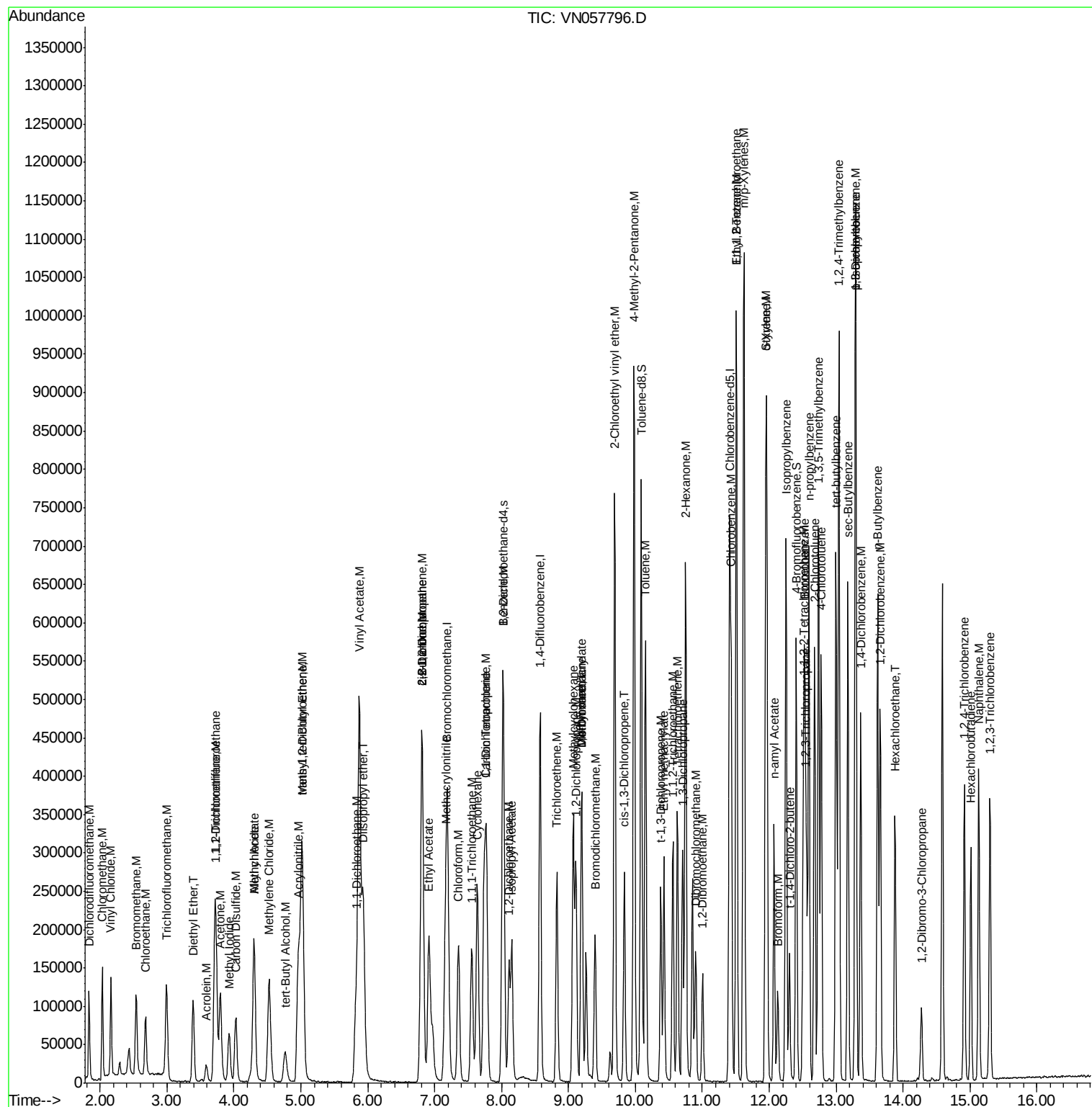
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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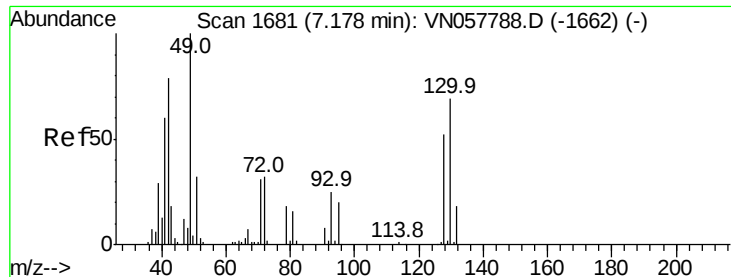
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Sep 09 16:16:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampled :

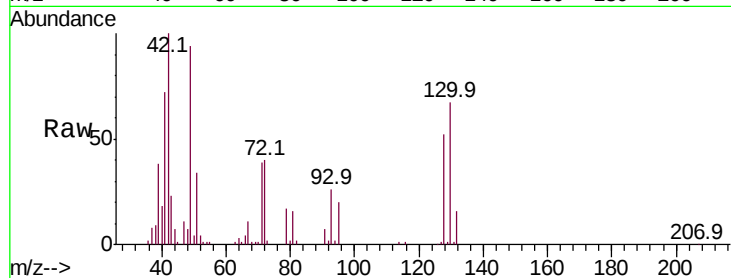
Tot Ion:128 Resp: 69388

Ion Ratio Lower Upper

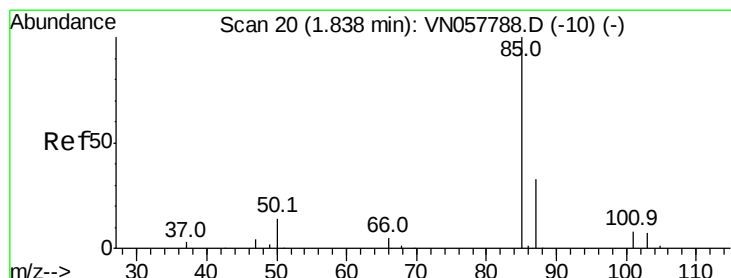
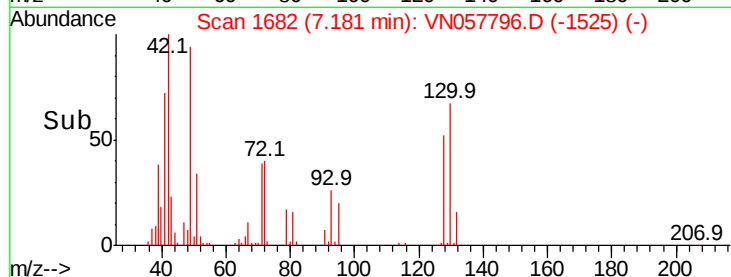
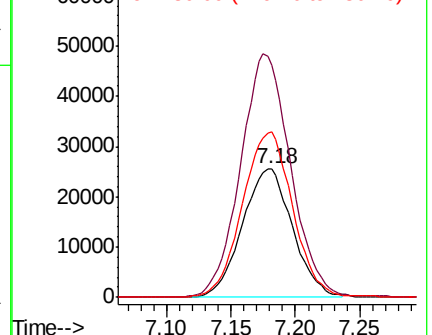
128 100

49 188.9 0.0 486.5

130 128.6 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.868 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN057796.D

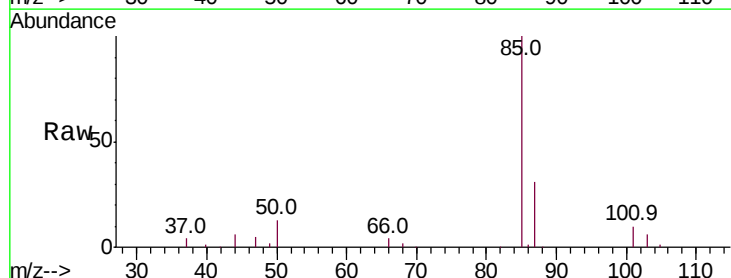
Acq: 9 Sep 2019 12:52

Tgt Ion: 85 Resp: 87485

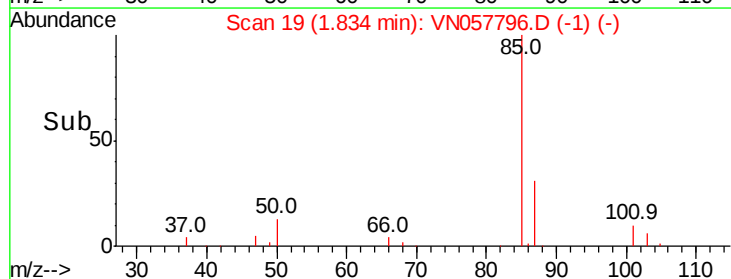
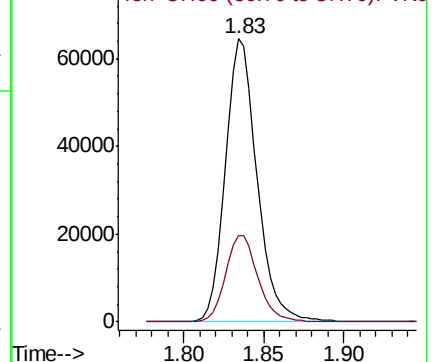
Ion Ratio Lower Upper

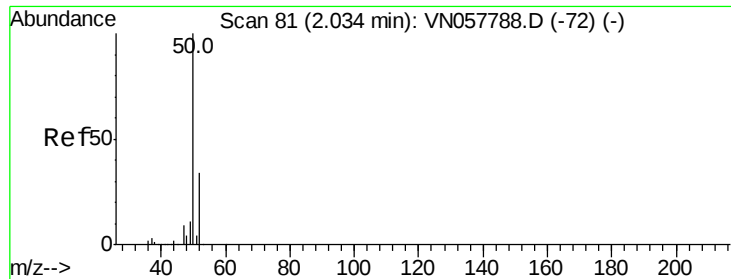
85 100

87 30.5 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN

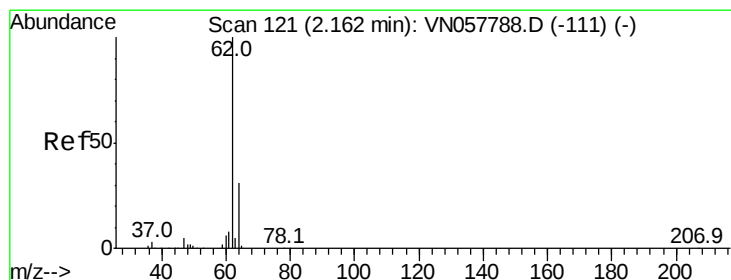
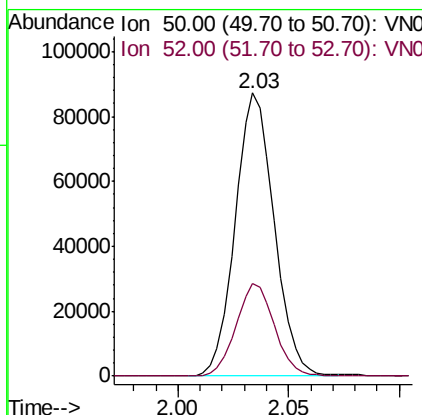
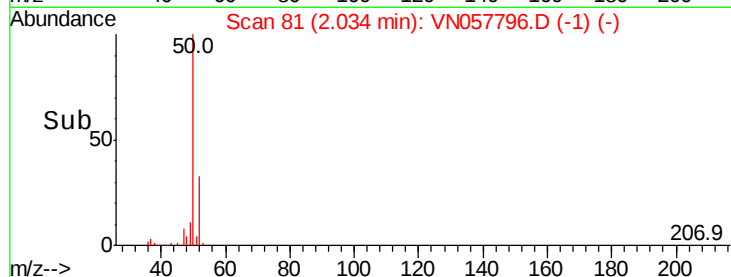
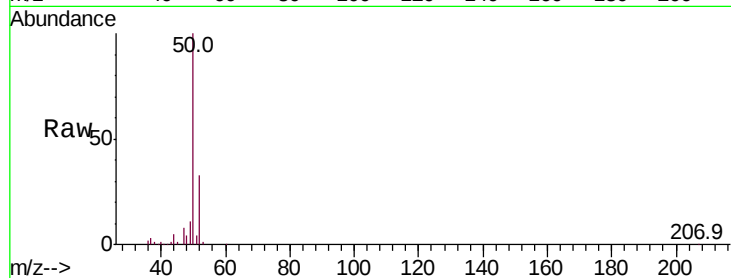




#3
Chloromethane
Concen: 20.490 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

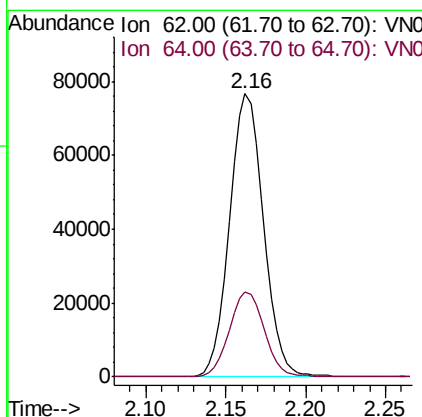
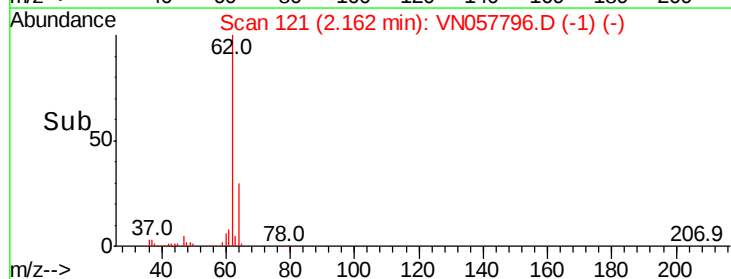
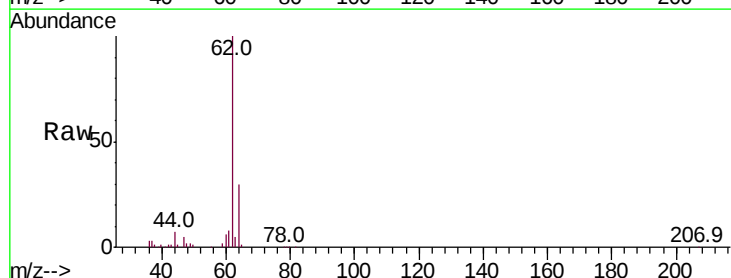
Instrument :
MSVOA_N
ClientSampleId :

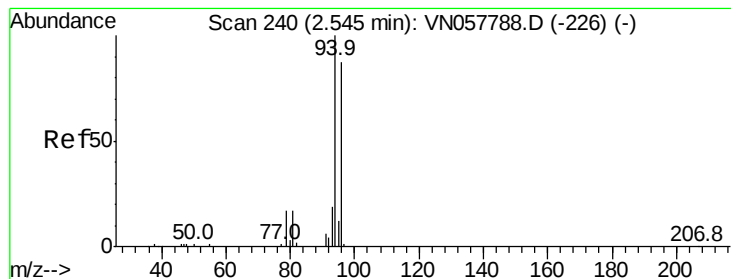
Tot Ion: 50 Resp: 107112
Ion Ratio Lower Upper
50 100
52 32.6 26.9 40.3



#4
Vinyl Chloride
Concen: 20.664 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 62 Resp: 110521
Ion Ratio Lower Upper
62 100
64 30.1 25.0 37.6





#5

Bromomethane

Concen: 21.236 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

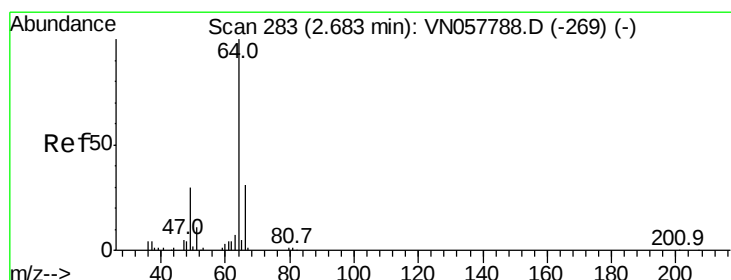
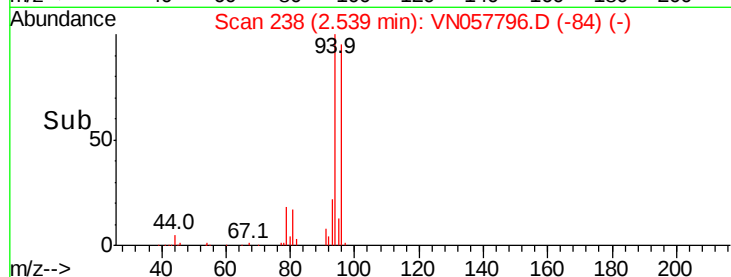
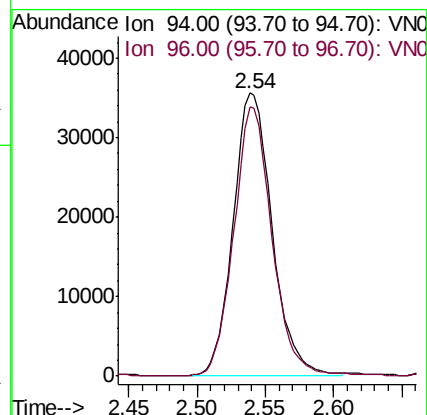
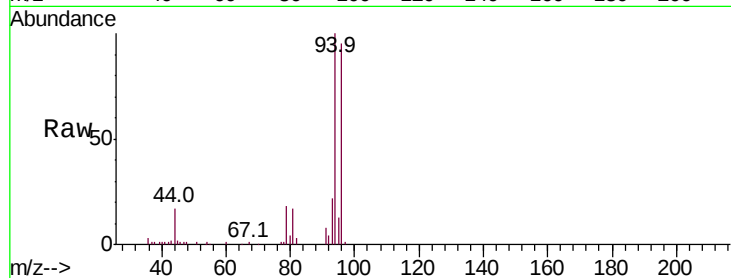
ClientSampleId :

Tot Ion: 94 Resp: 70883

Ion Ratio Lower Upper

94 100

96 94.5 69.2 103.8



#6

Chloroethane

Concen: 20.572 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN057796.D

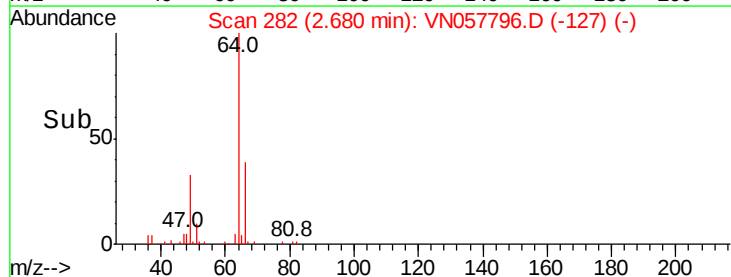
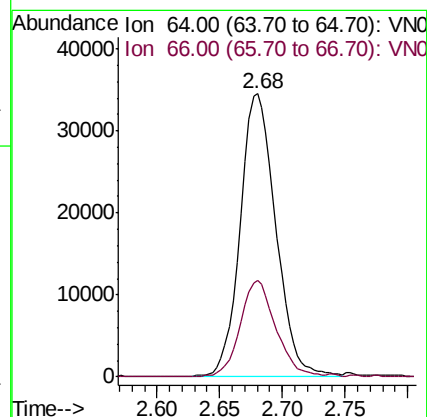
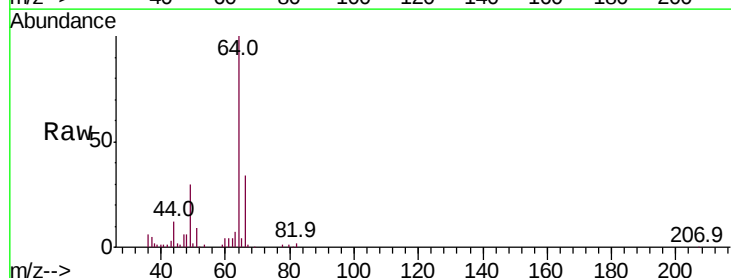
Acq: 9 Sep 2019 12:52

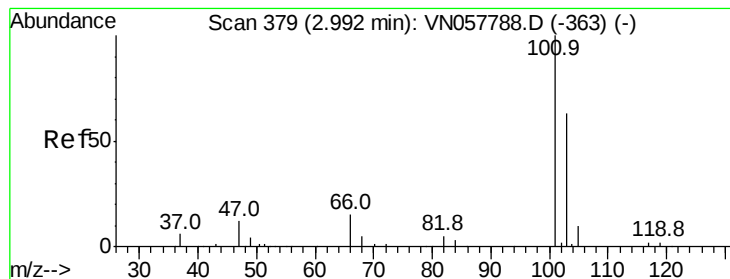
Tgt Ion: 64 Resp: 68381

Ion Ratio Lower Upper

64 100

66 34.2 24.4 36.6



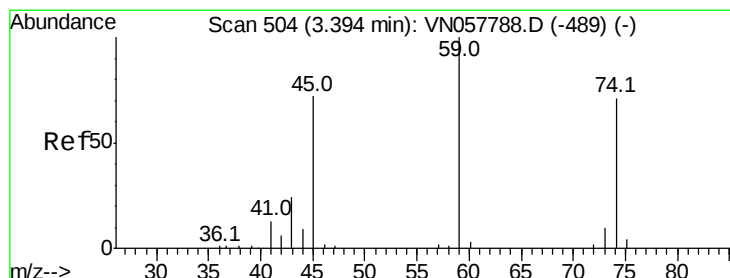
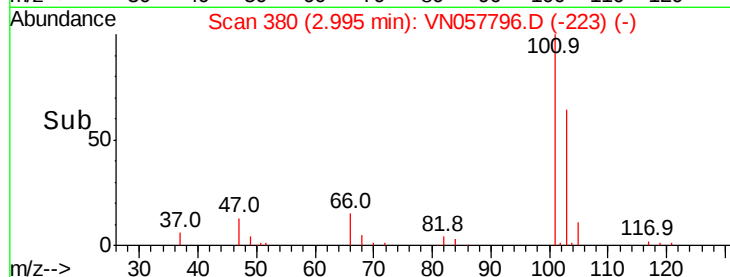
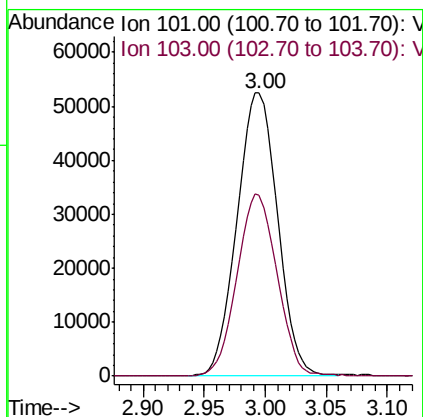
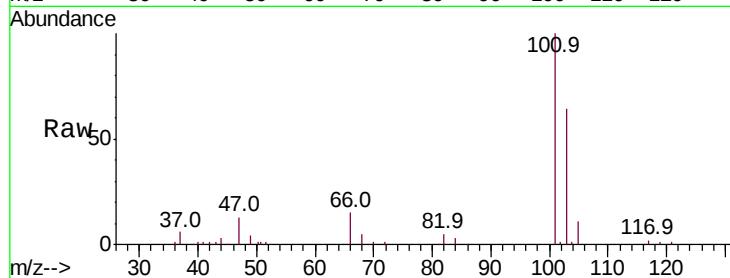


#7

Trichlorofluoromethane
 Concen: 19.575 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampled :

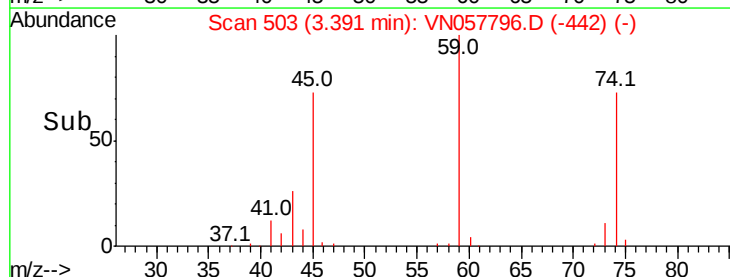
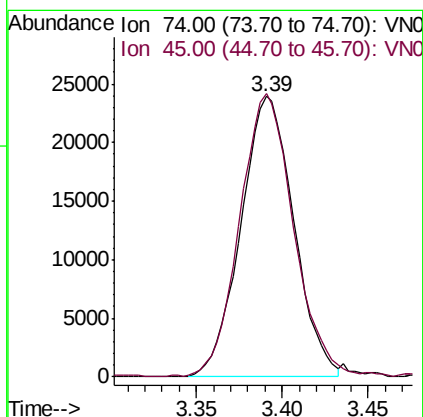
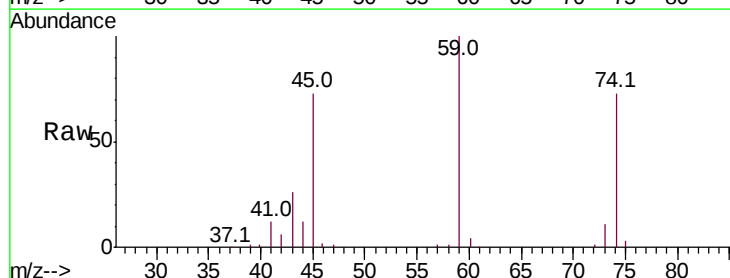
Tot Ion:101 Resp: 120959
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.2 75.2

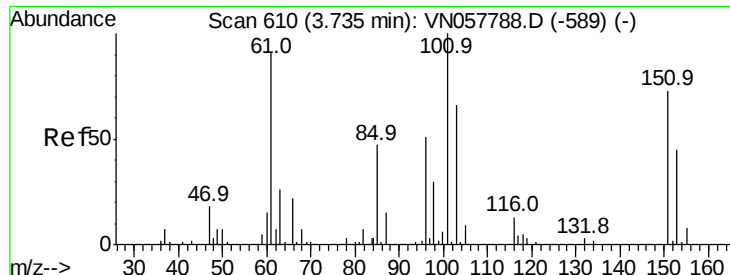


#8

Diethyl Ether
 Concen: 20.516 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 74 Resp: 51140
 Ion Ratio Lower Upper
 74 100
 45 102.8 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.711 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampled :

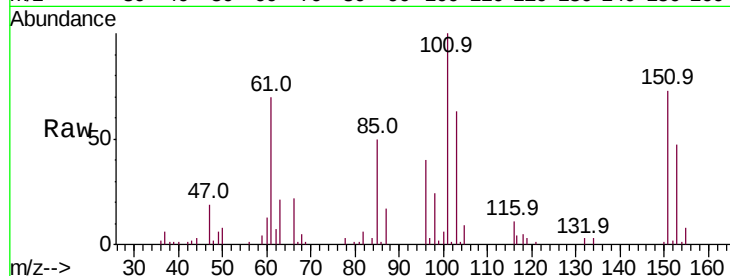
Tot Ion:101 Resp: 79913

Ion Ratio Lower Upper

101 100

85 47.8 0.0 94.0

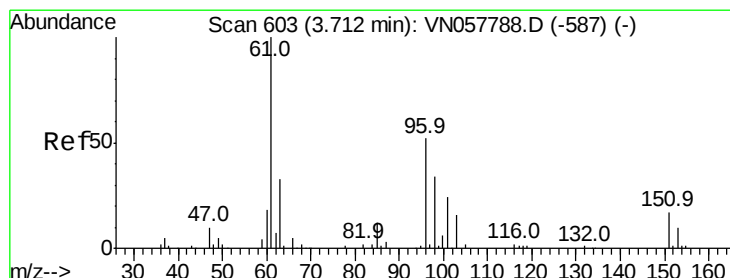
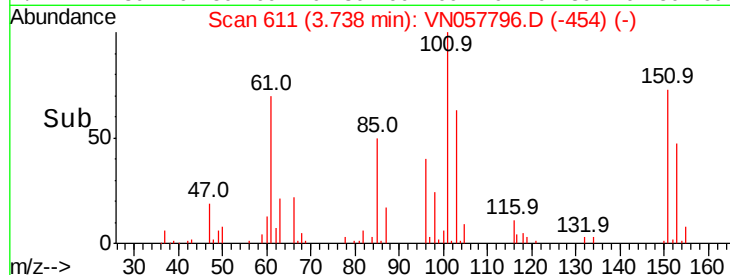
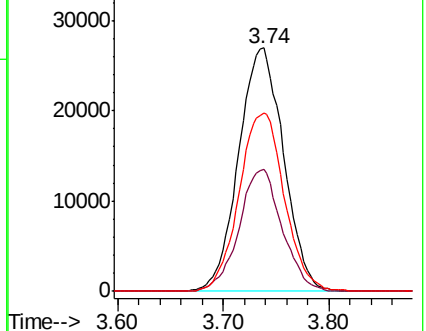
151 73.7 0.0 144.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.865 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

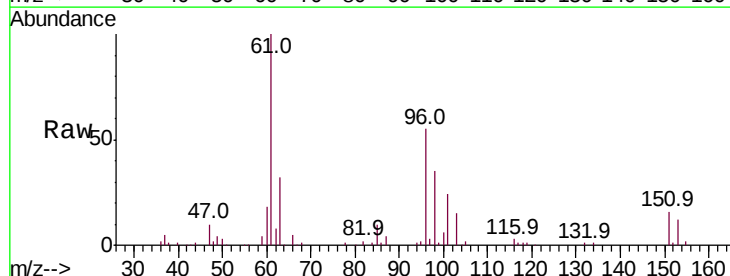
Tgt Ion: 96 Resp: 76555

Ion Ratio Lower Upper

96 100

61 180.7 153.4 230.0

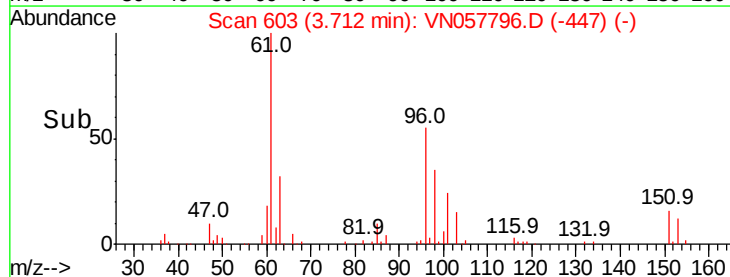
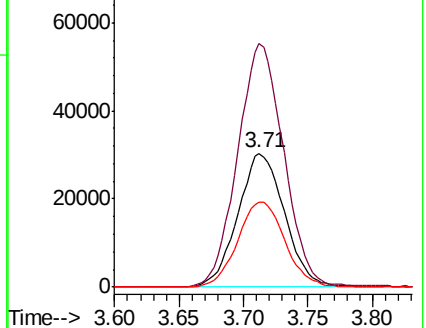
98 63.4 51.5 77.3

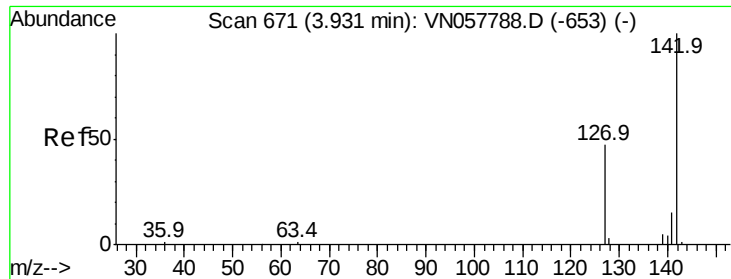


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

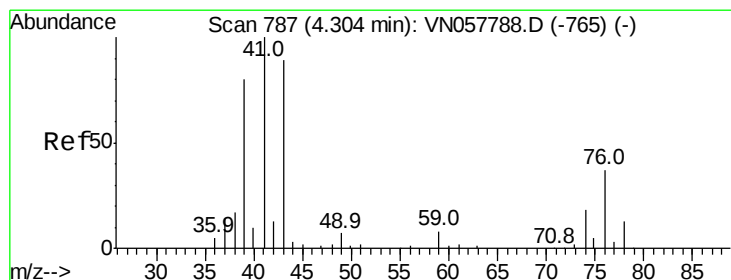
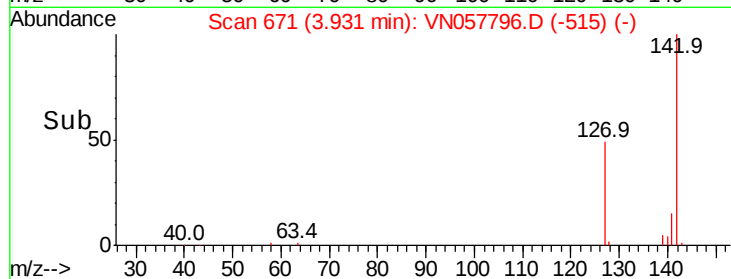
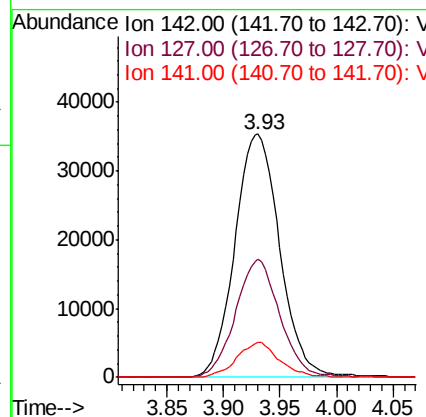
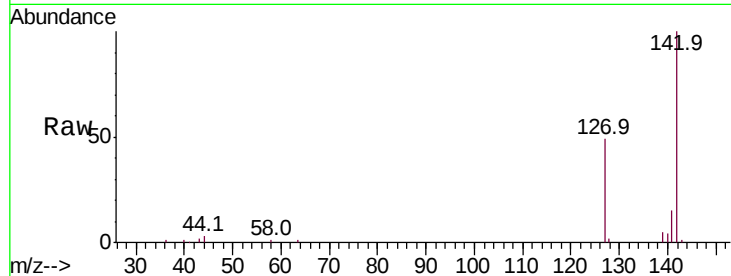




#11
Methvl Iodide
Concen: 19.865 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

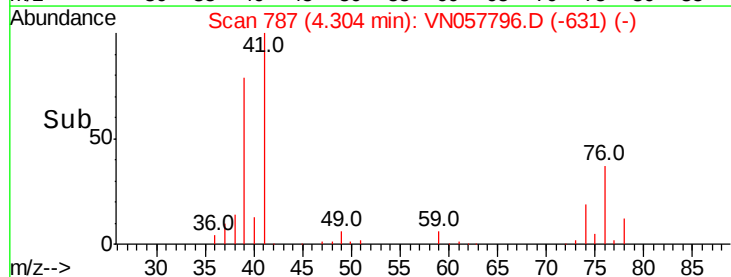
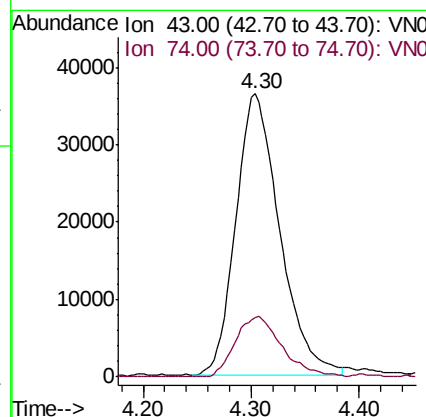
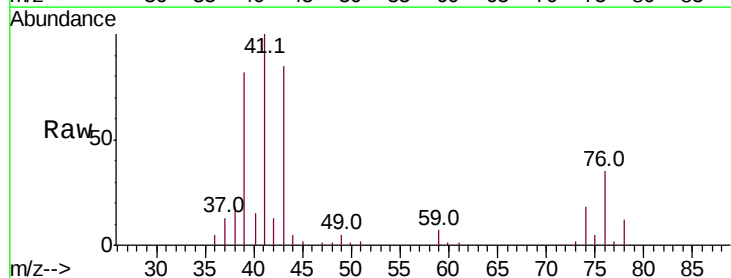
Instrument :
MSVOA_N
ClientSampleId :

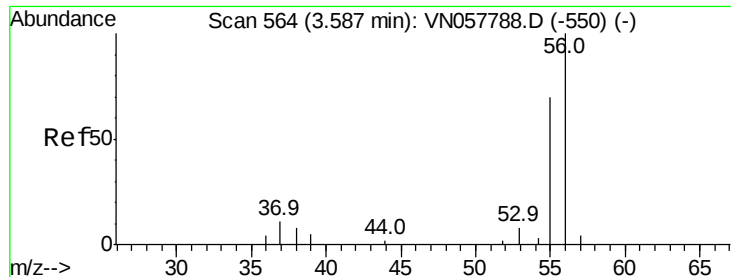
Tot Ion:142 Resp: 97514
Ion Ratio Lower Upper
142 100
127 48.5 23.3 69.8
141 14.7 7.5 22.6



#12
Methyl Acetate
Concen: 20.447 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 43 Resp: 102954
Ion Ratio Lower Upper
43 100
74 21.2 16.2 24.4





#13

Acrolein

Concen: 86.789 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

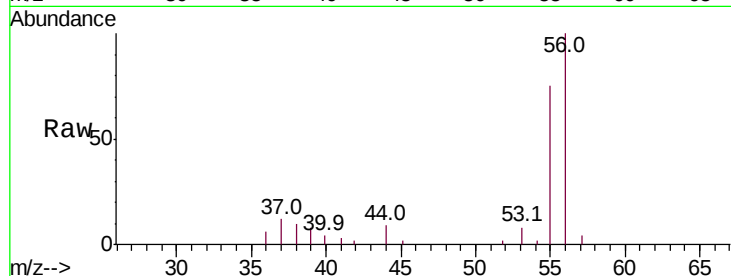
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 23710

Ion Ratio Lower Upper

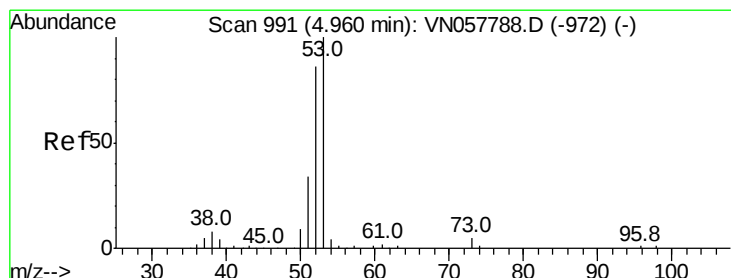
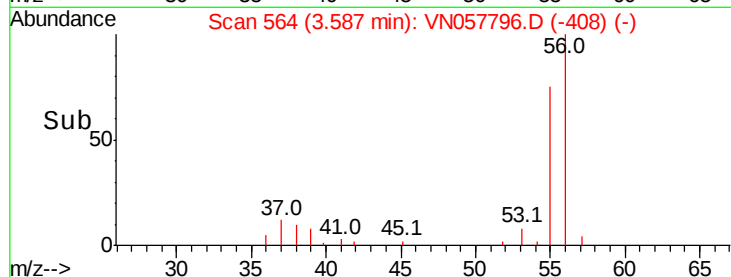
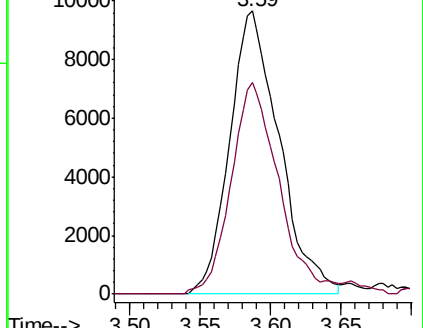
56 100

55 70.4 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN057788.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN057788.D (-550) (-)



#14

Acrylonitrile

Concen: 104.748 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

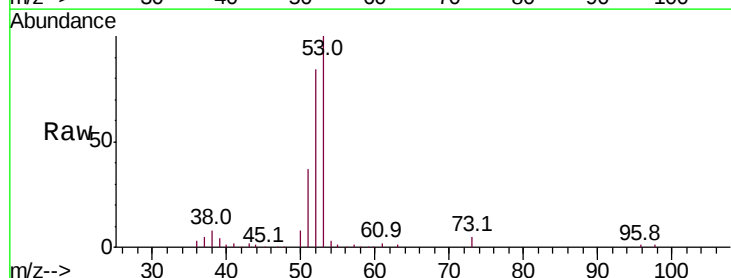
Tgt Ion: 53 Resp: 215008

Ion Ratio Lower Upper

53 100

52 81.8 41.0 123.0

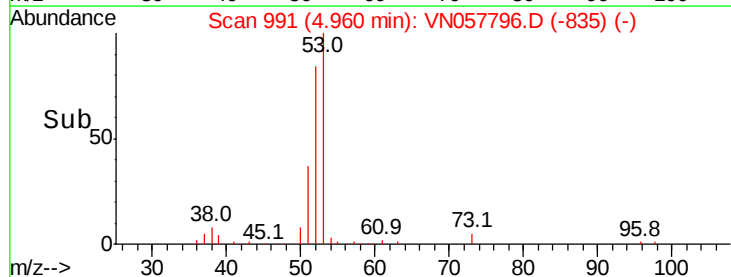
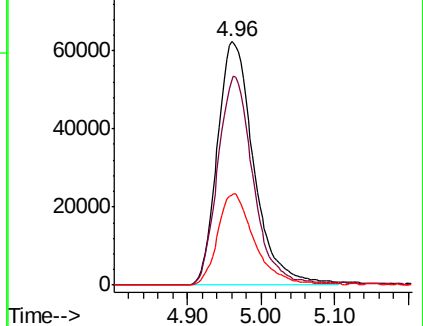
51 37.5 8.6 25.8#

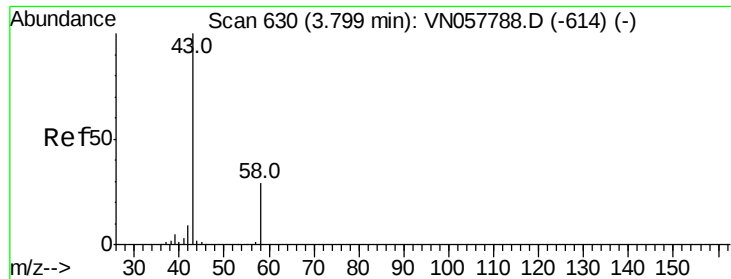


Abundance Ion 53.00 (52.70 to 53.70): VN057788.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN057788.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN057788.D (-972) (-)





#15

Acetone

Concen: 96.703 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

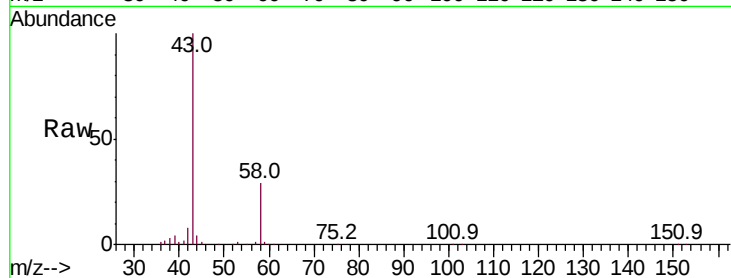
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 58 Resp: 56352

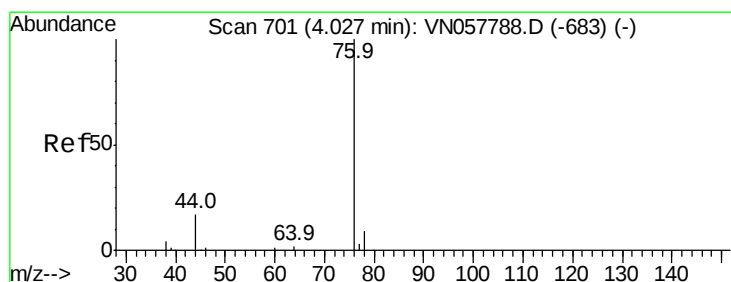
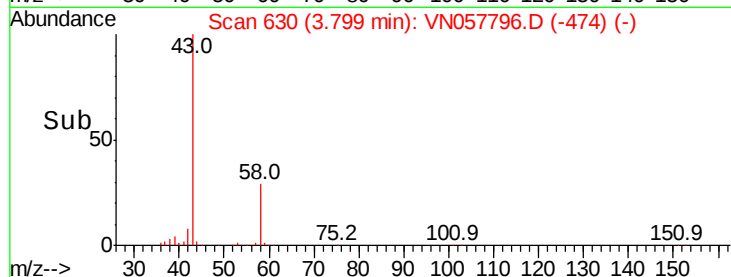
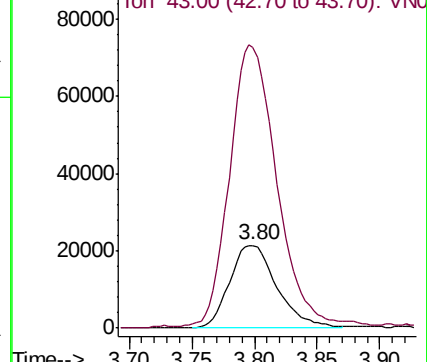
Ion Ratio Lower Upper

58 100

43 335.1 277.7 416.5



Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)



#16

Carbon Disulfide

Concen: 19.263 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057796.D

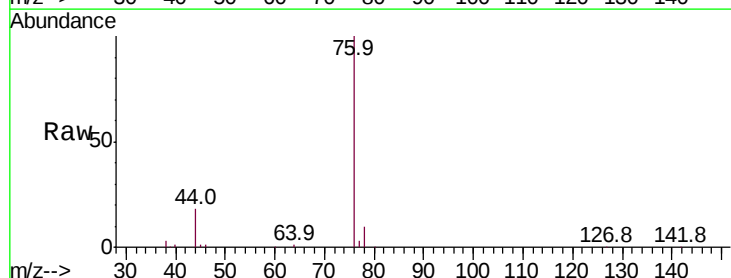
Acq: 9 Sep 2019 12:52

Tgt Ion: 76 Resp: 164574

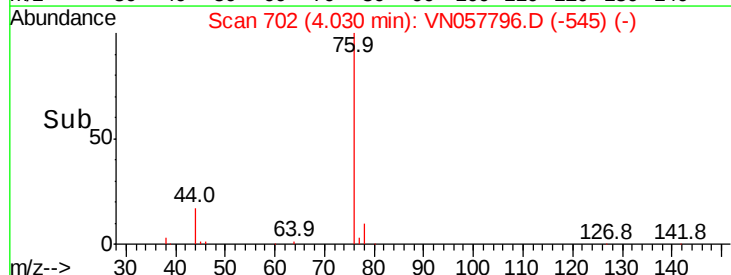
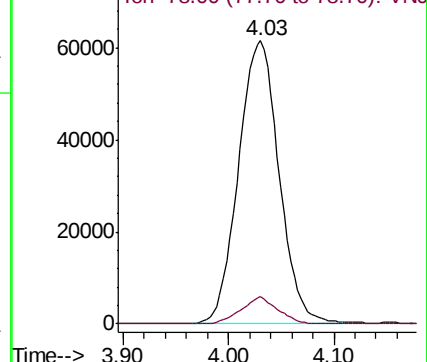
Ion Ratio Lower Upper

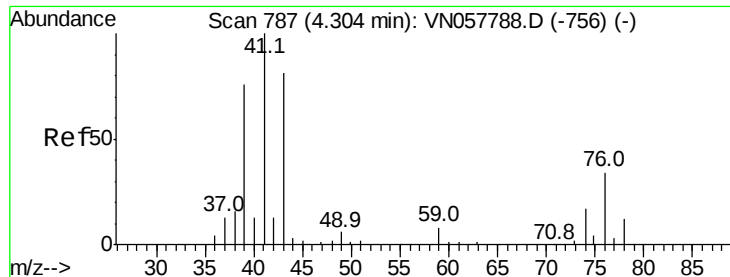
76 100

78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-683) (-)





#17

Allvl chloride

Concen: 20.203 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampled :

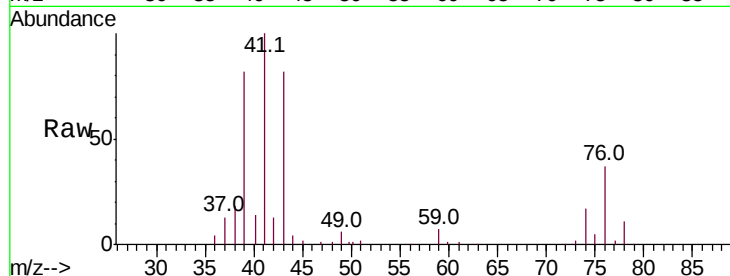
Tot Ion: 41 Resp: 135826

Ion Ratio Lower Upper

41 100

39 82.3 38.5 115.3

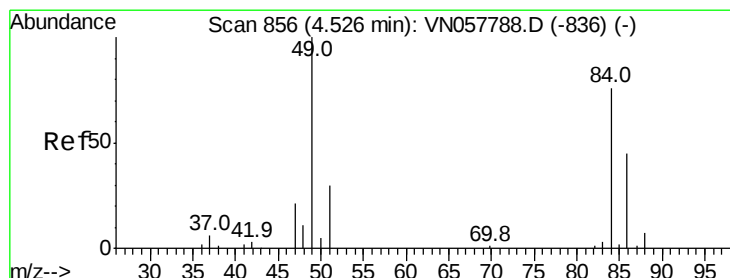
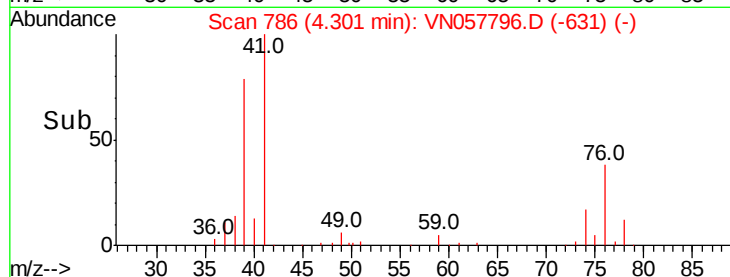
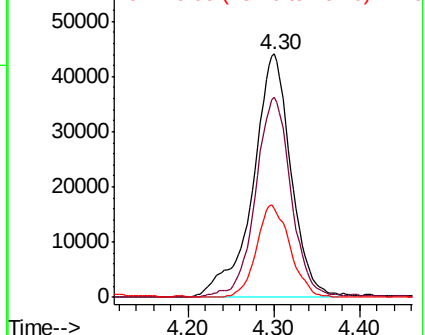
76 36.6 17.2 51.6



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 76.00 (75.70 to 76.70): VNC



#18

Methylene Chloride

Concen: 20.847 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion: 84 Resp: 96385

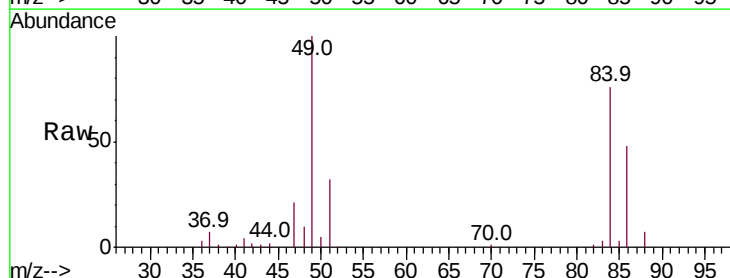
Ion Ratio Lower Upper

84 100

49 130.4 105.4 158.2

51 41.3 31.3 46.9

86 62.9 47.3 70.9

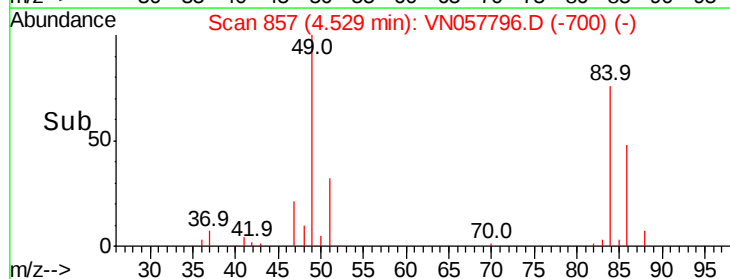
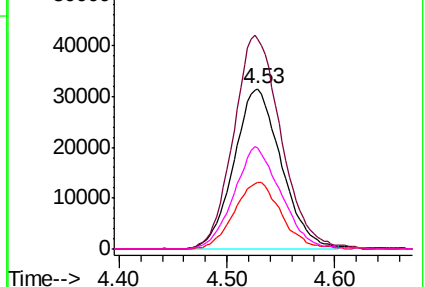


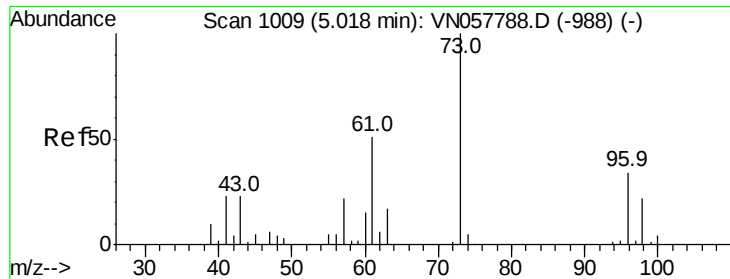
Abundance Ion 84.00 (83.70 to 84.70): VNC

Ion 49.00 (48.70 to 49.70): VNC

Ion 51.00 (50.70 to 51.70): VNC

Ion 86.00 (85.70 to 86.70): VNC

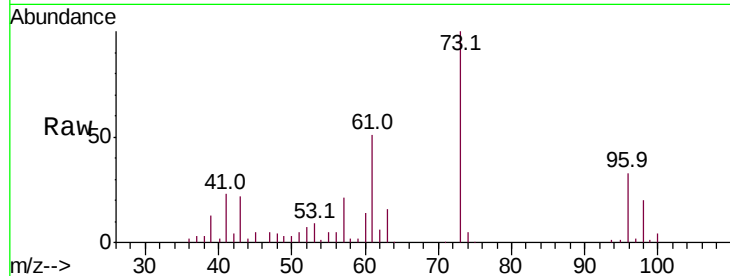




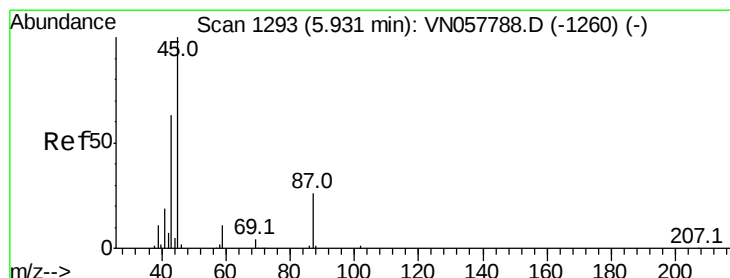
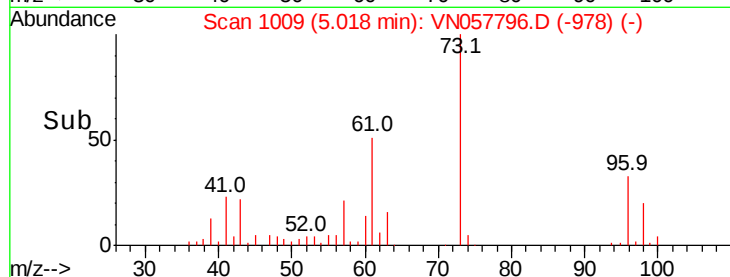
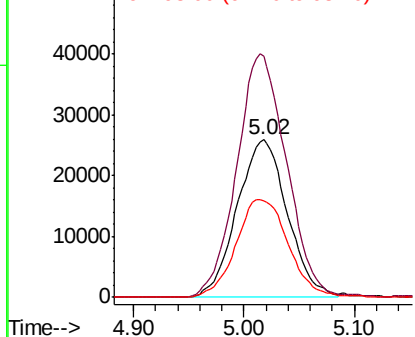
#19
trans-1,2-Dichloroethene
Concen: 19.985 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 81724
Ion Ratio Lower Upper
96 100
61 152.7 121.0 181.6
98 61.3 52.7 79.1

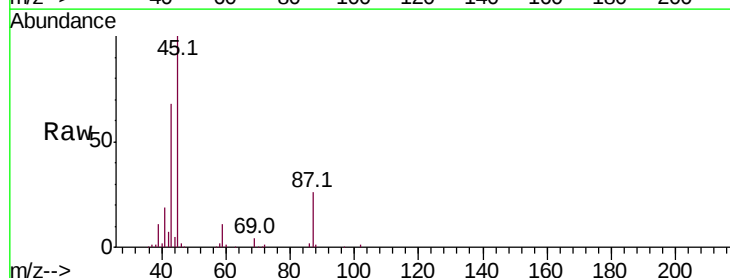


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

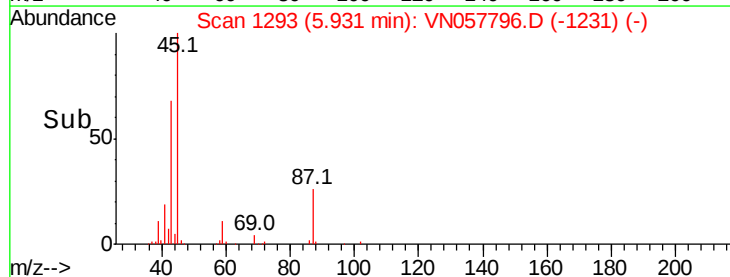
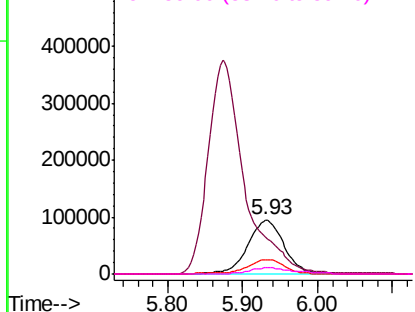


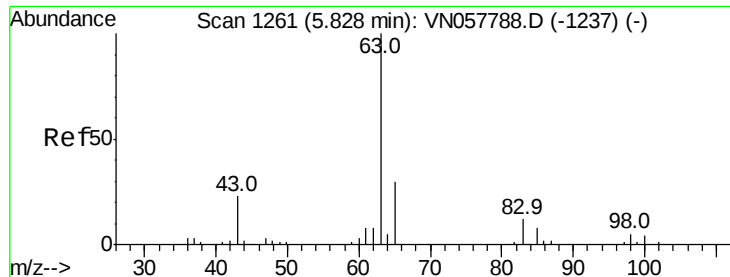
#20
Diisopropyl ether
Concen: 20.429 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 45 Resp: 321101
Ion Ratio Lower Upper
45 100
43 65.7 55.2 82.8
87 25.8 21.3 31.9
59 10.5 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

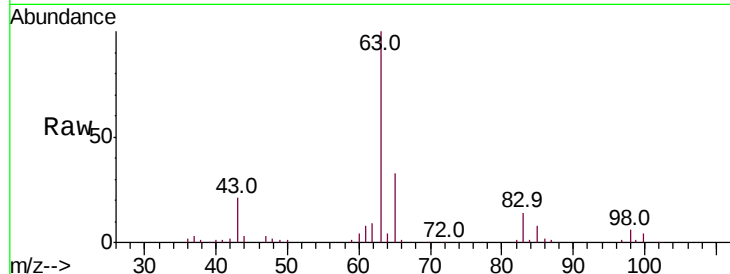




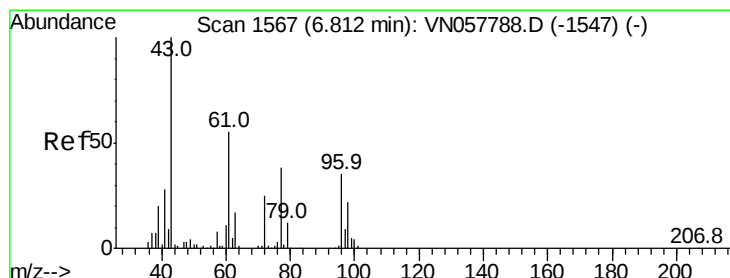
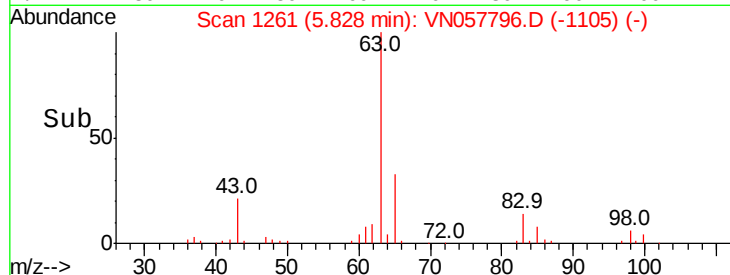
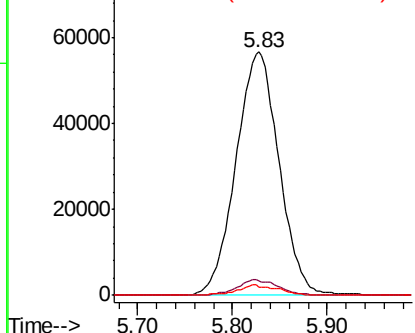
#21
 1,1-Dichloroethane
 Concen: 20.606 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 178580
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.3
 100 3.6 1.8 5.5

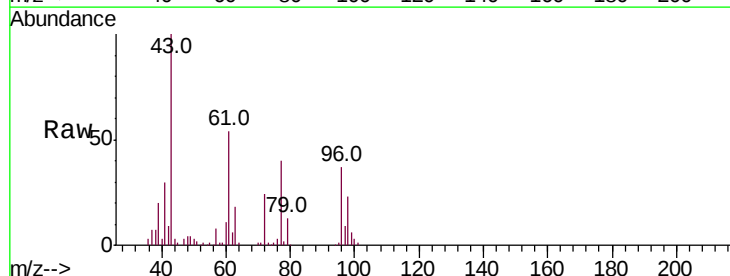


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

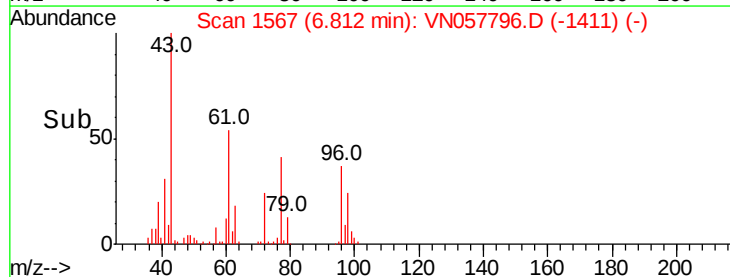
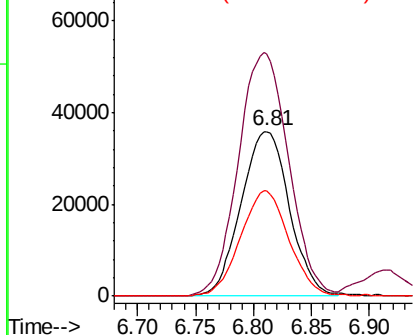


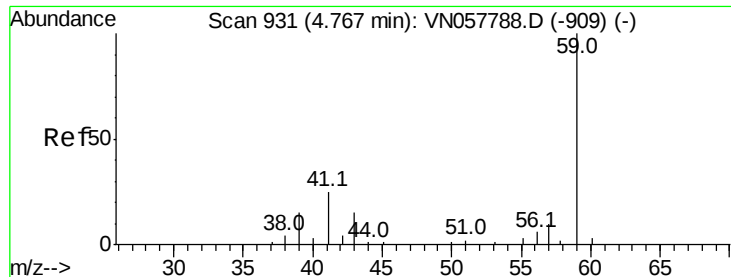
#22
 cis-1,2-Dichloroethene
 Concen: 20.825 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 96 Resp: 104342
 Ion Ratio Lower Upper
 96 100
 61 153.4 127.4 191.0
 98 63.7 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



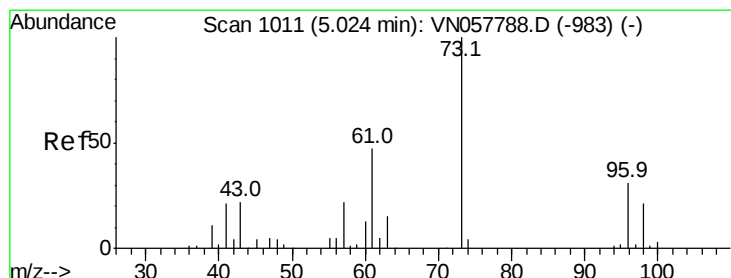
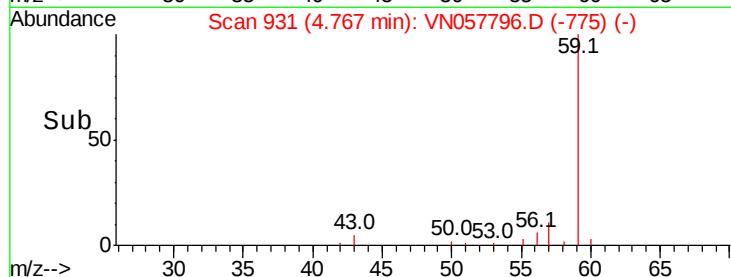
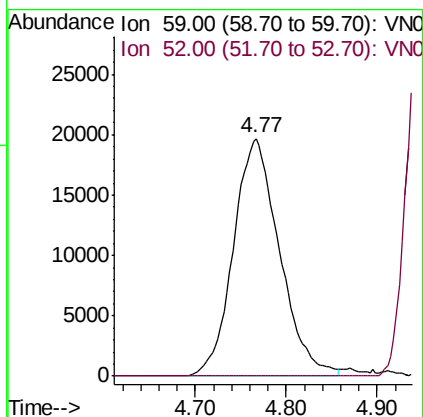
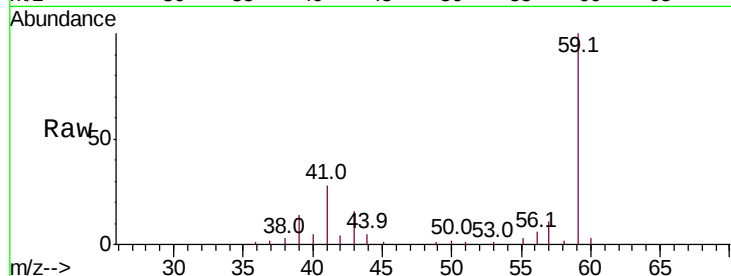


#23

tert-Butyl Alcohol
 Concen: 103.333 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampled :

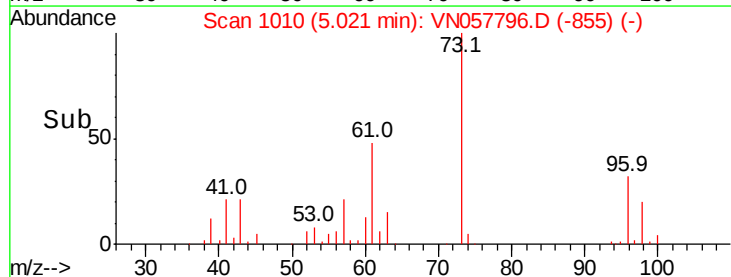
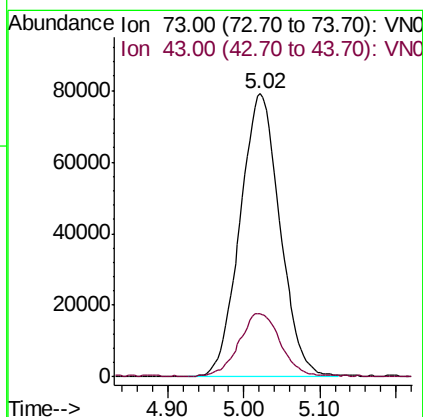
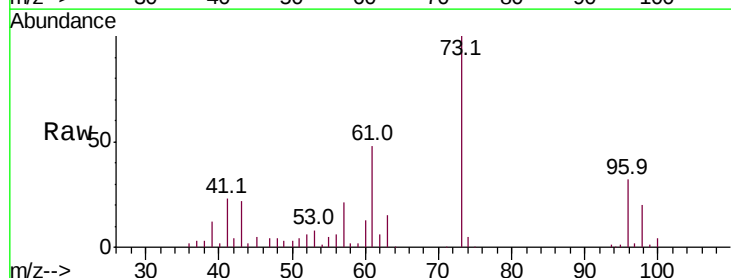
Tot Ion: 59 Resp: 69243
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

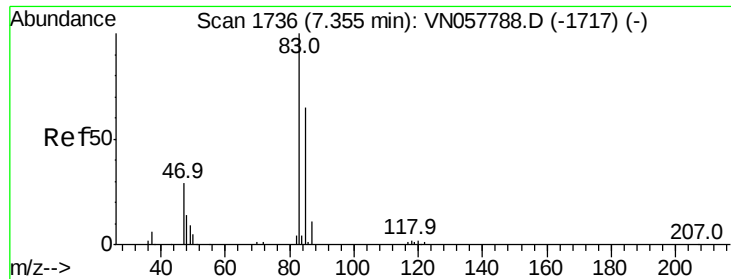


#24

Methyl tert-Butyl Ether
 Concen: 20.560 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 73 Resp: 289135
 Ion Ratio Lower Upper
 73 100
 43 22.9 0.0 0.0#





#25

Chloroform

Concen: 20.478 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

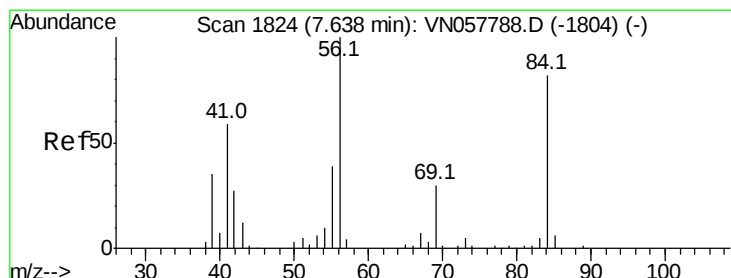
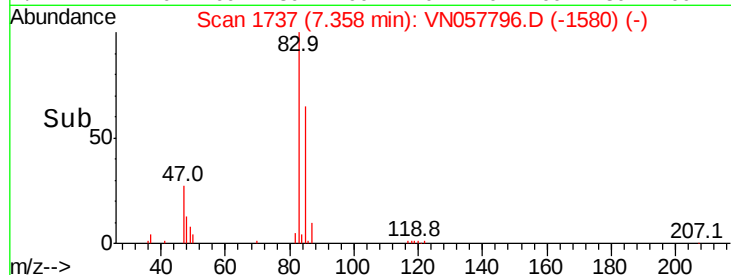
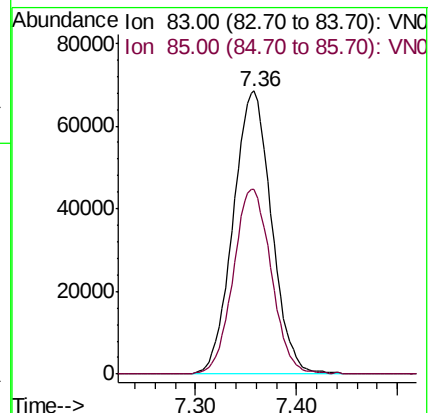
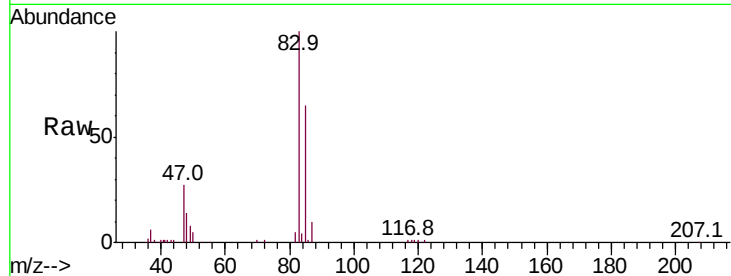
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 180685

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.6



#26

Cyclohexane

Concen: 20.501 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

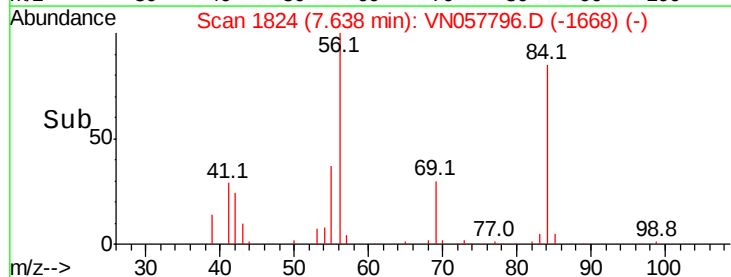
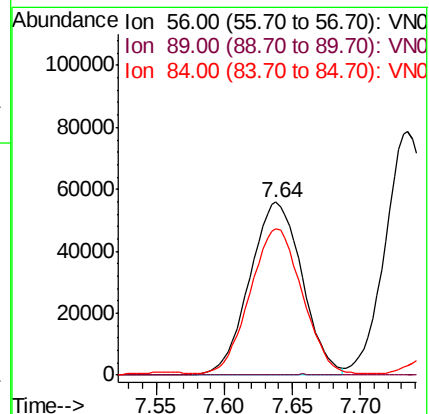
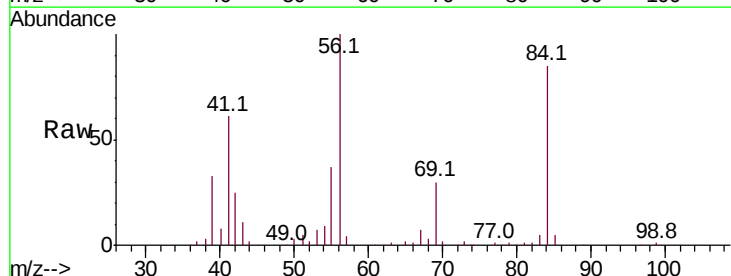
Tgt Ion: 56 Resp: 149280

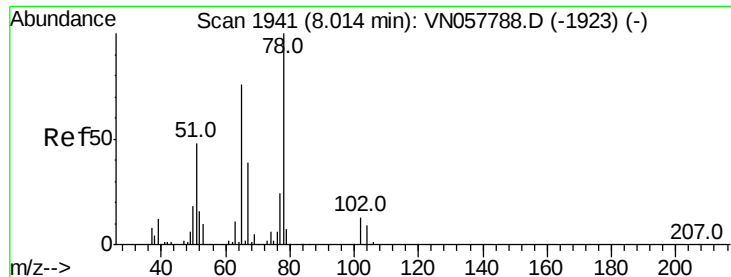
Ion Ratio Lower Upper

56 100

89 0.1 0.3 0.5#

84 85.1 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 30.348 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

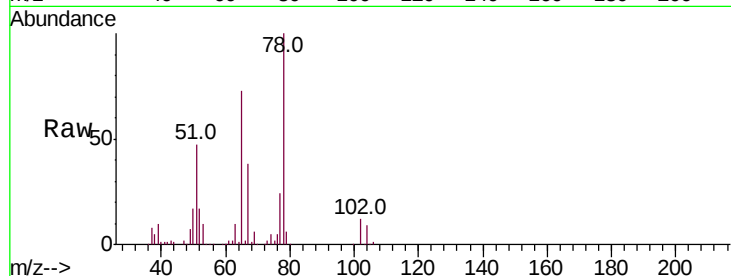
ClientSampleId :

Tot Ion: 65 Resp: 186268

Ion Ratio Lower Upper

65 100

67 52.1 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN057788.D (-1923) (-)

Ion 67.00 (66.70 to 67.70): VN057788.D (-1923) (-)

8.01

80000

60000

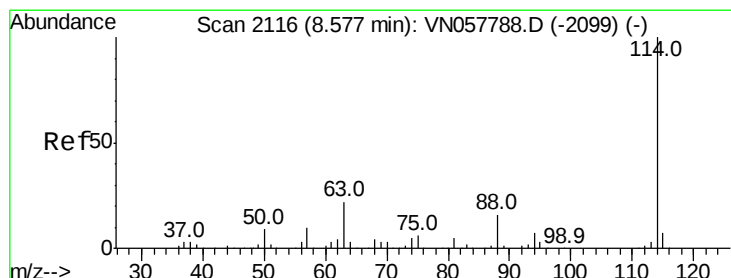
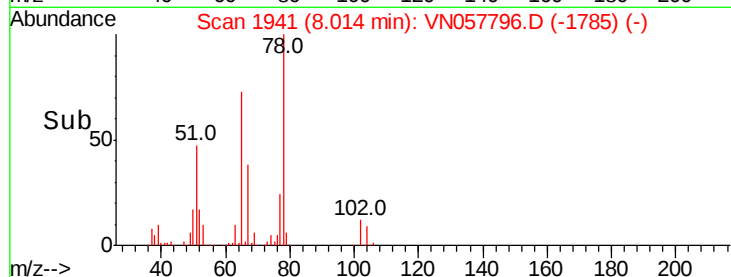
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

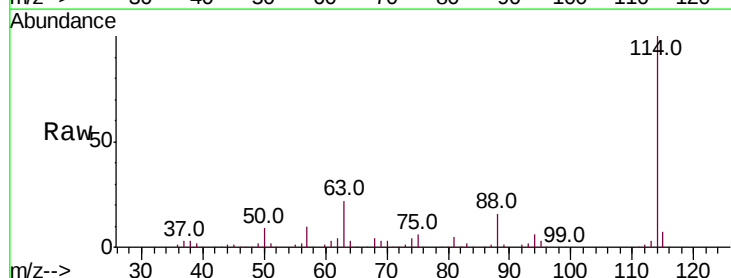
Tgt Ion: 114 Resp: 413395

Ion Ratio Lower Upper

114 100

63 22.8 18.0 27.0

88 15.8 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): VN057788.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057788.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN057788.D (-2099) (-)

8.58

250000

200000

150000

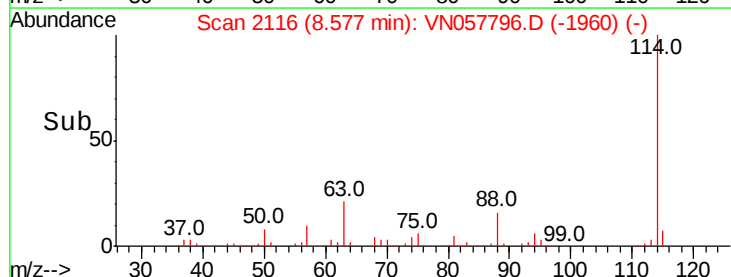
100000

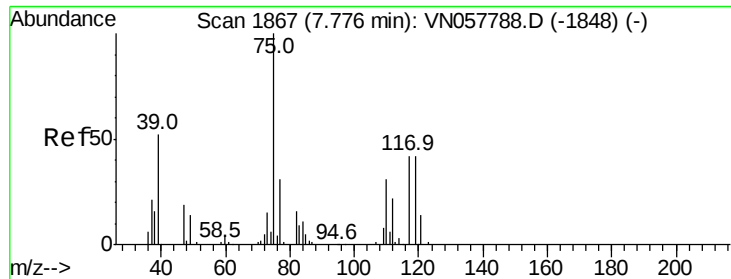
50000

0

8.50 8.55 8.60 8.65

Time-->





#29

1,1-Dichloropropene

Concen: 19.981 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :

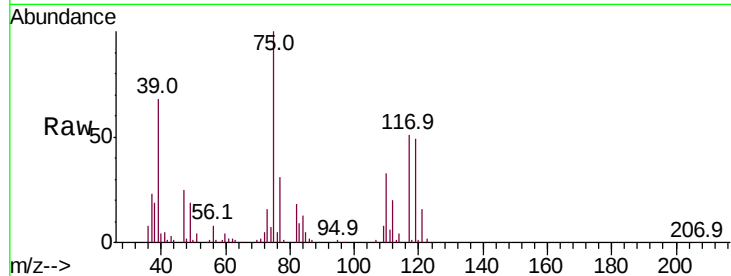
Tot Ion: 75 Resp: 129939

Ion Ratio Lower Upper

75 100

110 32.8 0.0 63.8

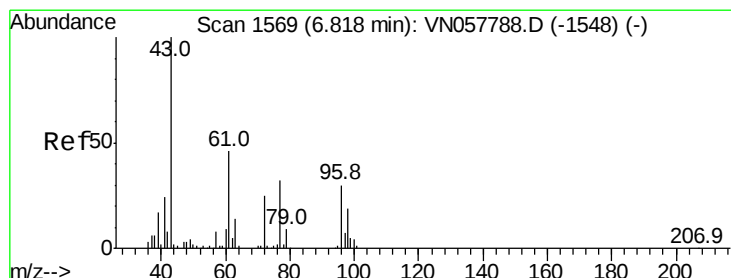
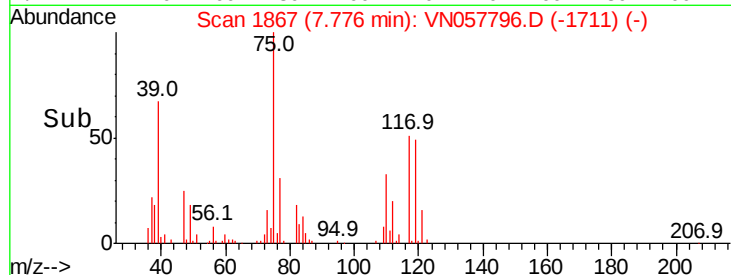
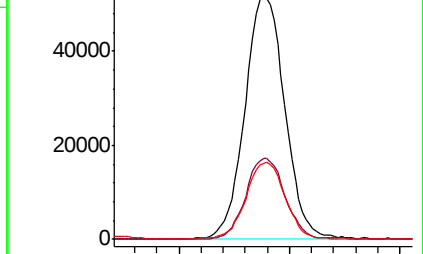
77 30.3 0.0 60.0



Abundance Ion 75.00 (74.70 to 75.70): VN057788.D (-1848) (-)

Ion 110.00 (109.70 to 110.70): VN057788.D (-1848) (-)

Ion 77.00 (76.70 to 77.70): VN057788.D (-1848) (-)



#30

2-Butanone

Concen: 100.044 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

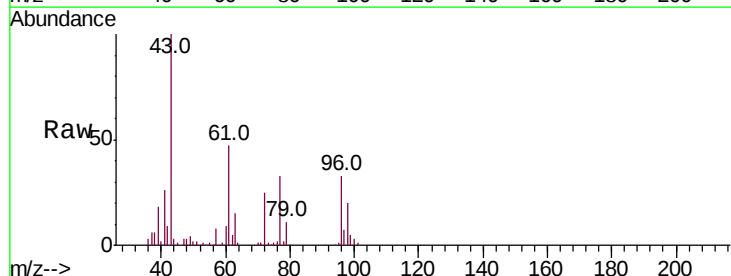
Tgt Ion: 43 Resp: 293357

Ion Ratio Lower Upper

43 100

57 8.0 6.4 9.6

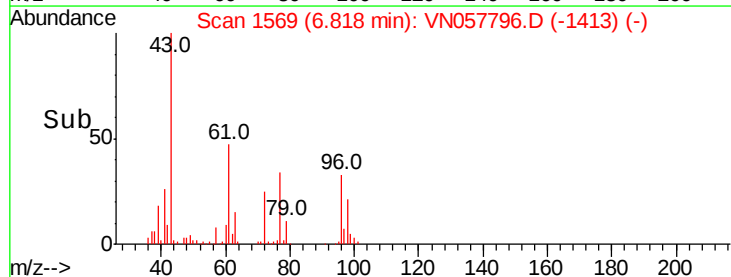
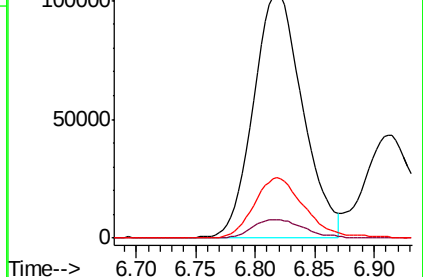
72 25.5 20.3 30.5

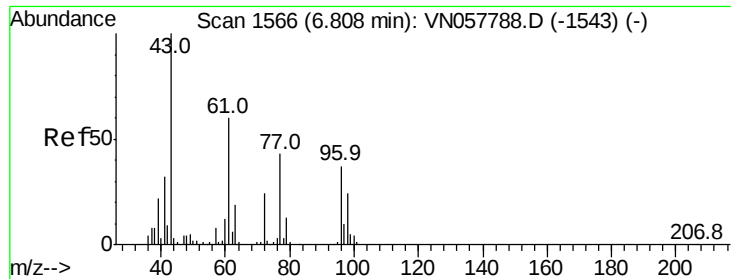


Abundance Ion 43.00 (42.70 to 43.70): VN057788.D (-1548) (-)

Ion 57.00 (56.70 to 57.70): VN057788.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN057788.D (-1548) (-)





#31

2,2-Dichloropropane

Concen: 19.377 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

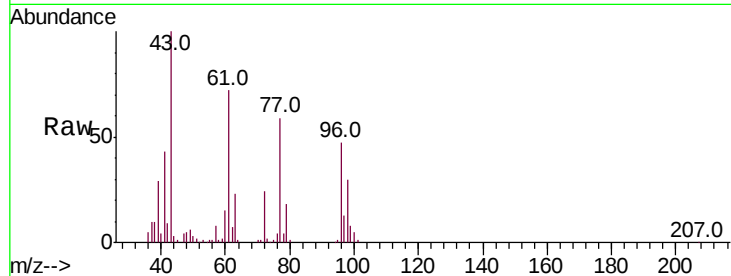
ClientSampleId :

Tot Ion: 77 Resp: 133041

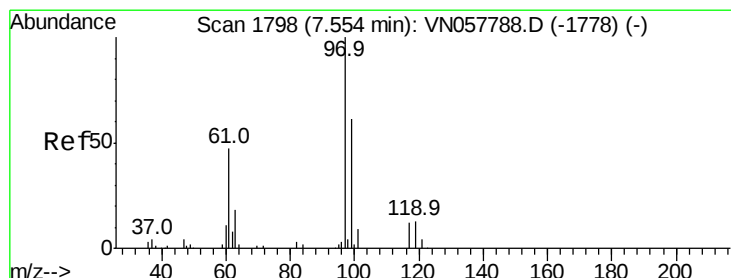
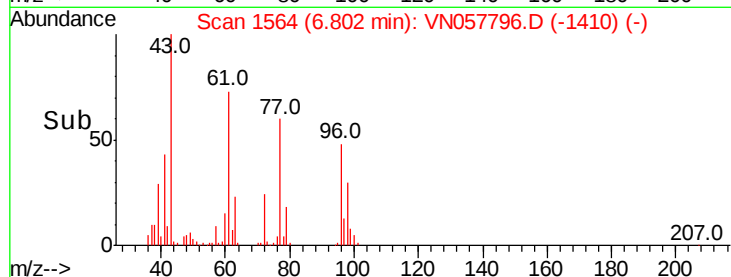
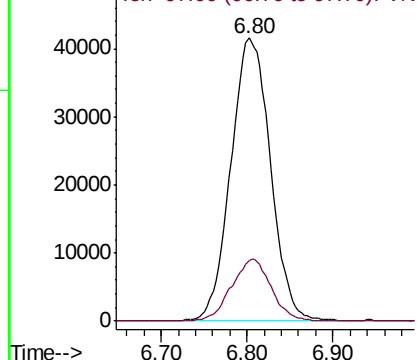
Ion Ratio Lower Upper

77 100

97 21.8 17.7 26.5



Abundance Ion 77.00 (76.70 to 77.70): VNO
Ion 97.00 (96.70 to 97.70): VNO



#32

1,1,1-Trichloroethane

Concen: 19.451 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

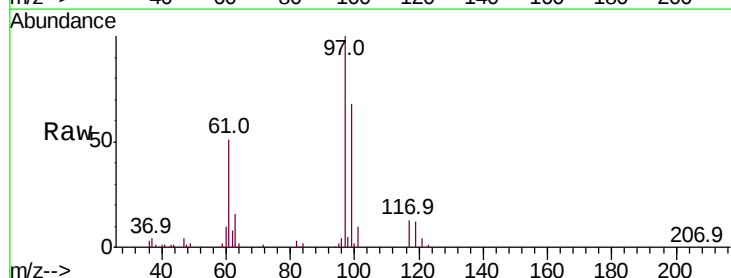
Tgt Ion: 97 Resp: 142225

Ion Ratio Lower Upper

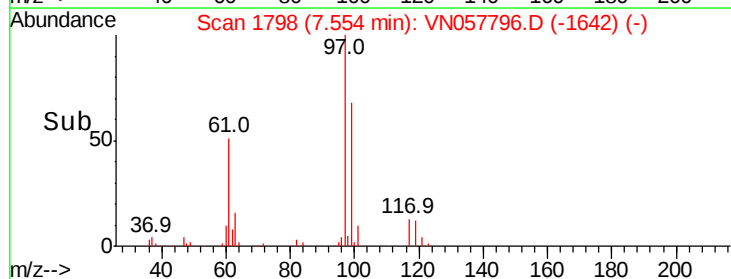
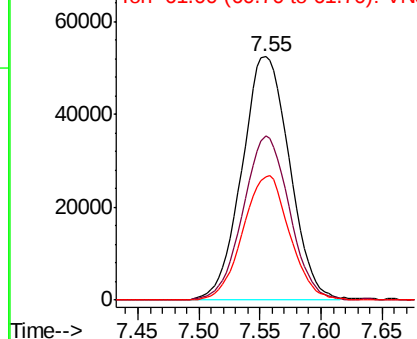
97 100

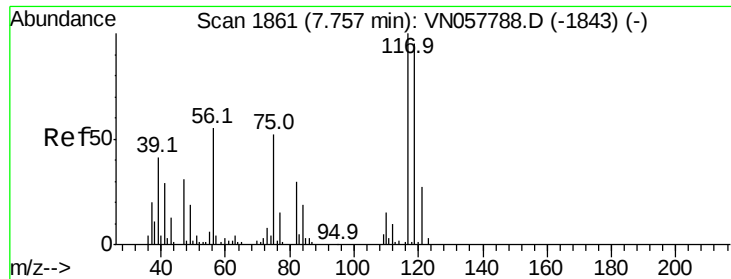
99 65.6 49.8 74.8

61 50.0 38.7 58.1



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 99.00 (98.70 to 99.70): VNO
Ion 61.00 (60.70 to 61.70): VNO

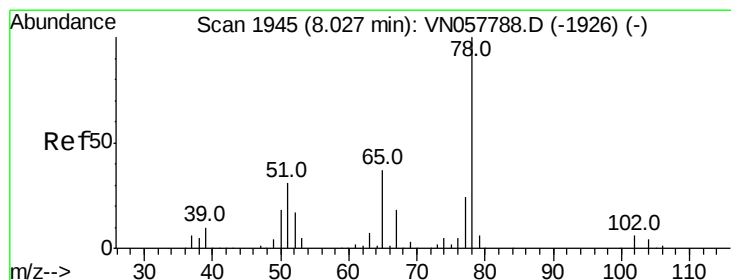
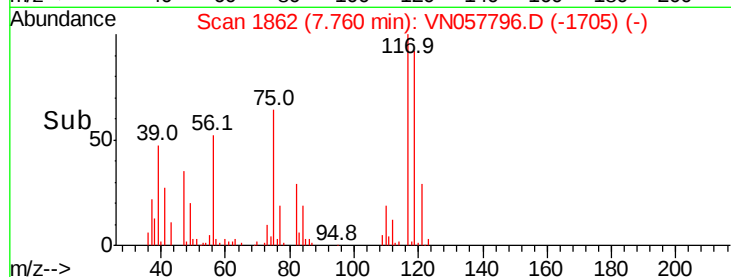
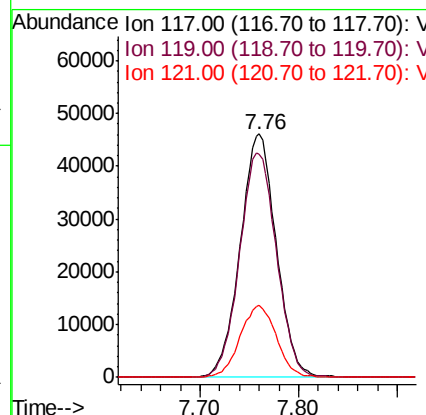
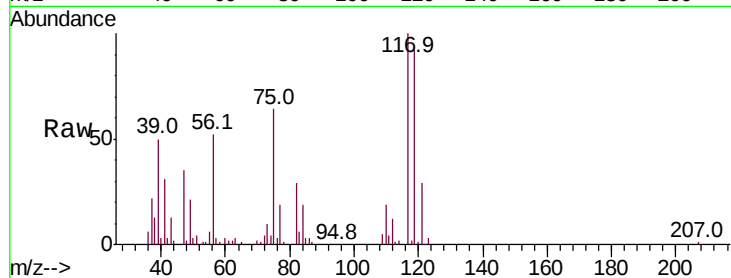




#33
Carbon Tetrachloride
Concen: 19.610 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

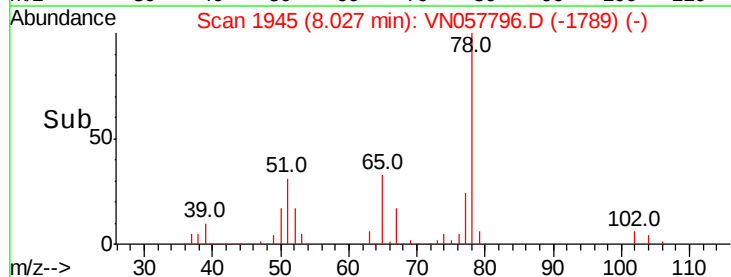
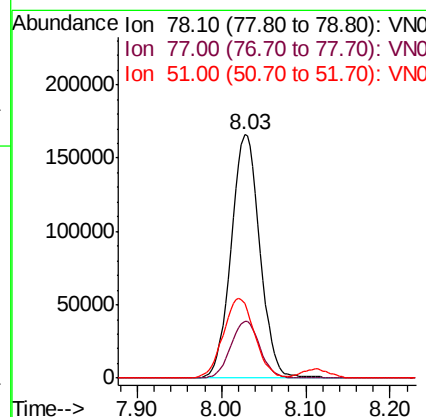
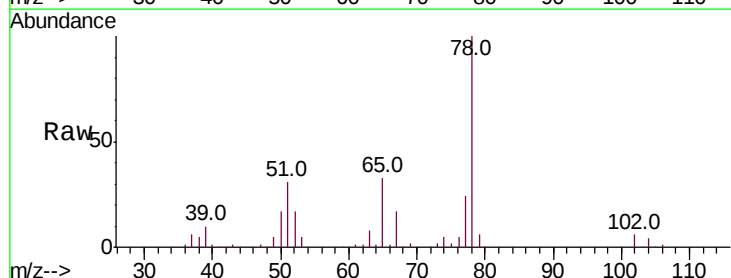
Instrument :
MSVOA_N
ClientSampled :

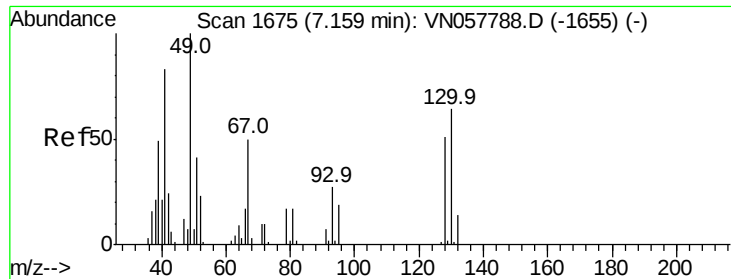
Tot Ion:117 Resp: 116970
Ion Ratio Lower Upper
117 100
119 91.7 75.7 113.5
121 29.4 21.7 32.5



#34
Benzene
Concen: 20.408 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 78 Resp: 393256
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8
51 30.4 24.9 37.3

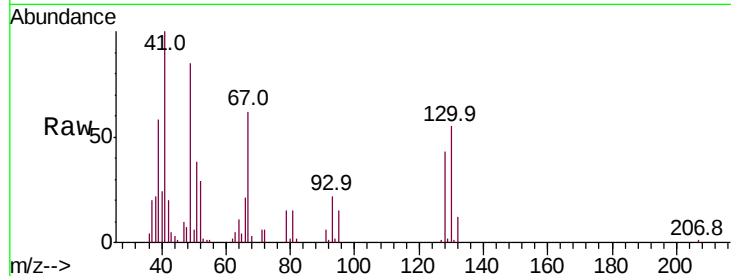




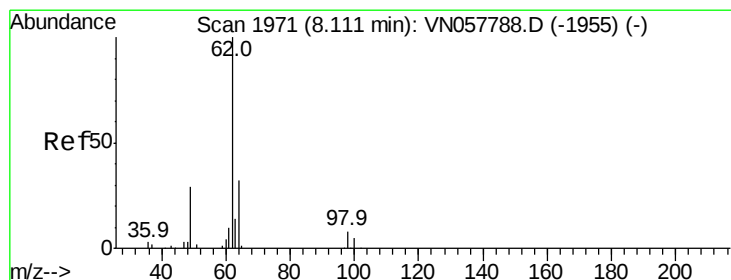
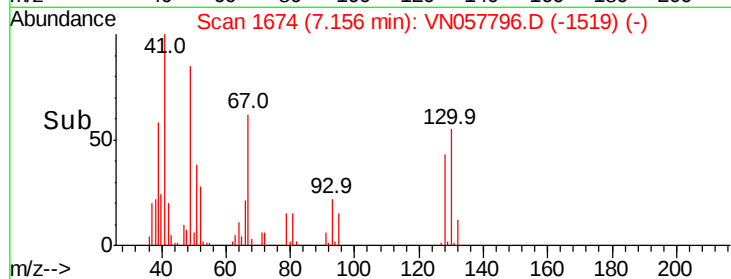
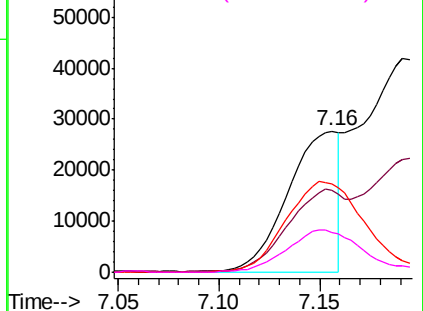
#35
Methacrylonitrile
Concen: 17.827 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	48486
Ion	Ratio	Lower	Upper
41	100		
39	57.9	29.8	89.5
67	62.4	30.0	90.1
52	28.6	13.9	41.6

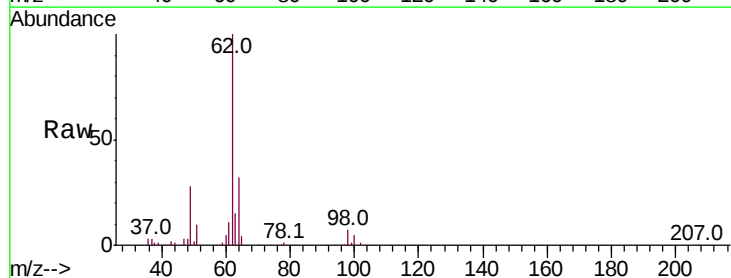


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

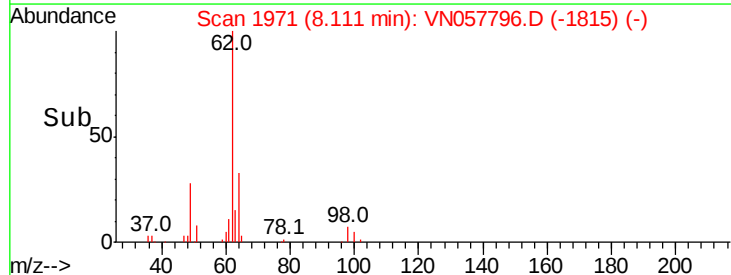
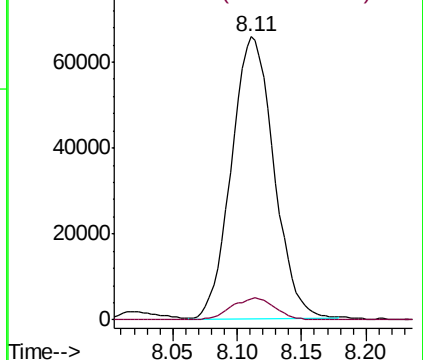


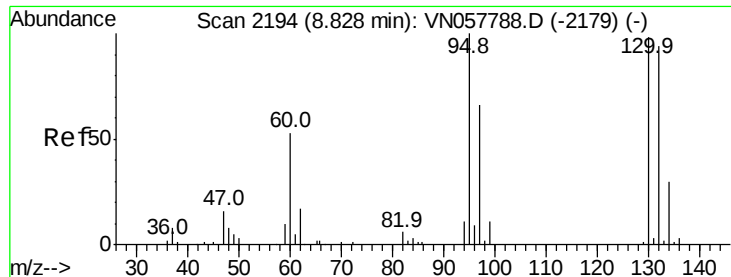
#36
1,2-Dichloroethane
Concen: 20.057 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion:	62	Resp:	149978
Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.6	9.8



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

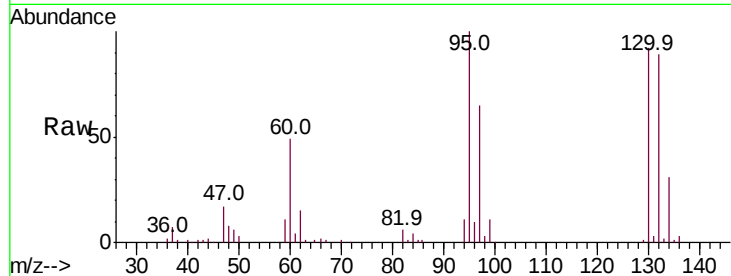




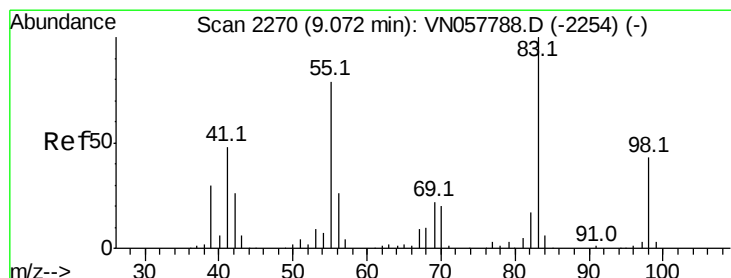
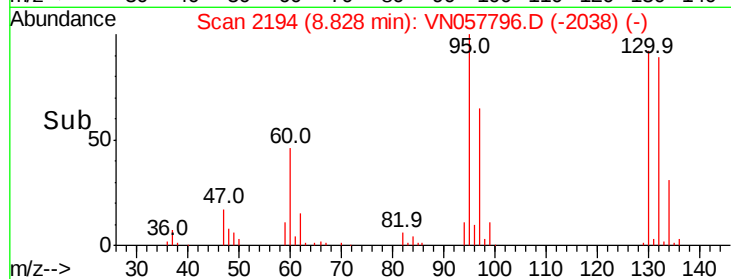
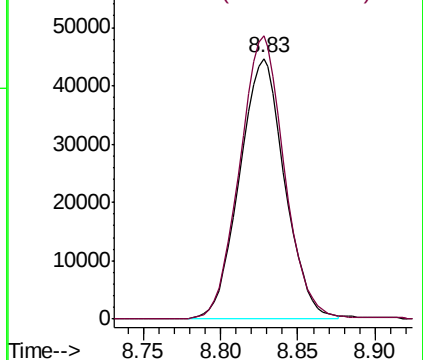
#37
 Trichloroethene
 Concen: 19.389 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:130 Resp: 90743
 Ion Ratio Lower Upper
 130 100
 95 108.7 81.9 122.9

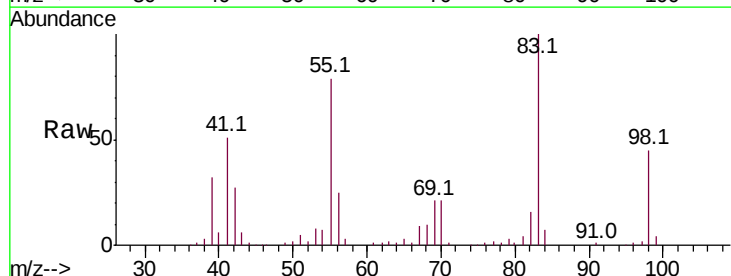


Abundance Ion 129.90 (129.60 to 130.60): VN057788.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN057788.D (-2179) (-)

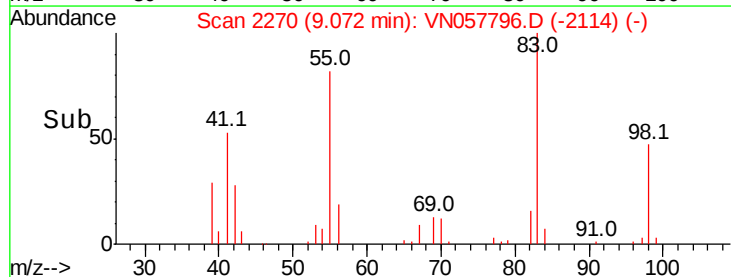
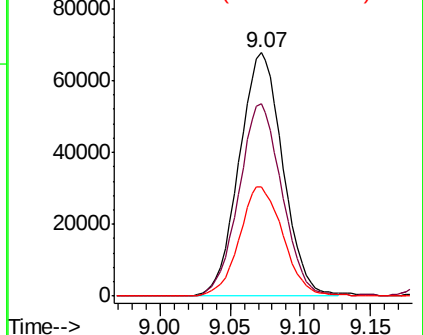


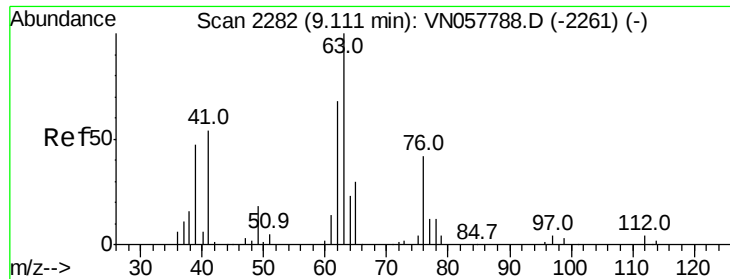
#38
 Methylcyclohexane
 Concen: 19.769 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 83 Resp: 146396
 Ion Ratio Lower Upper
 83 100
 55 78.2 39.6 118.7
 98 44.9 21.8 65.4



Abundance Ion 83.00 (82.70 to 83.70): VN057788.D (-2254) (-)
 Ion 55.00 (54.70 to 55.70): VN057788.D (-2254) (-)
 Ion 98.00 (97.70 to 98.70): VN057788.D (-2254) (-)

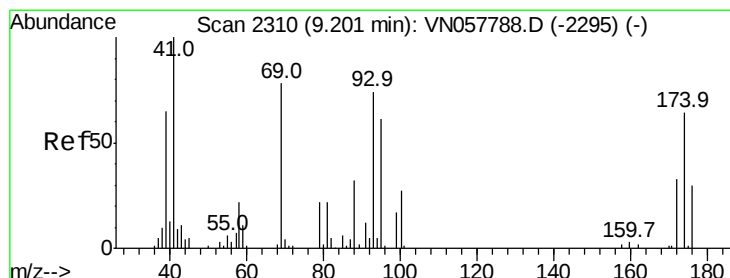
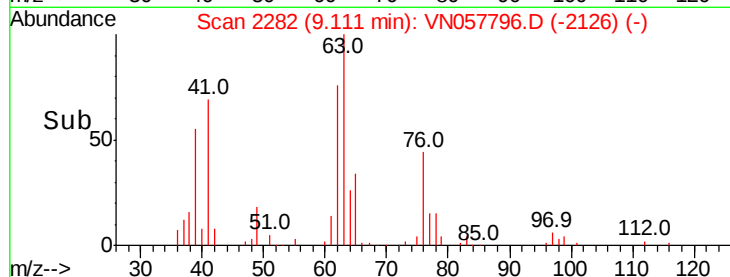
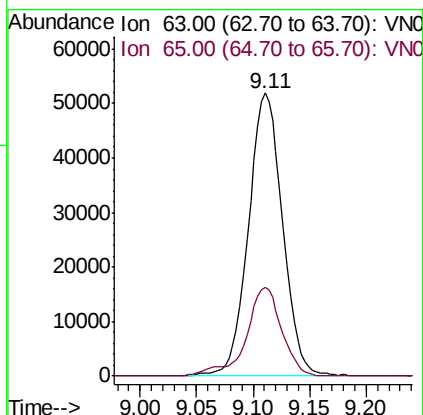
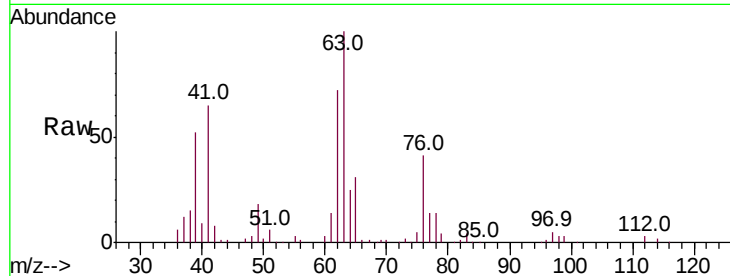




#39
 1,2-Dichloropropane
 Concen: 20.127 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

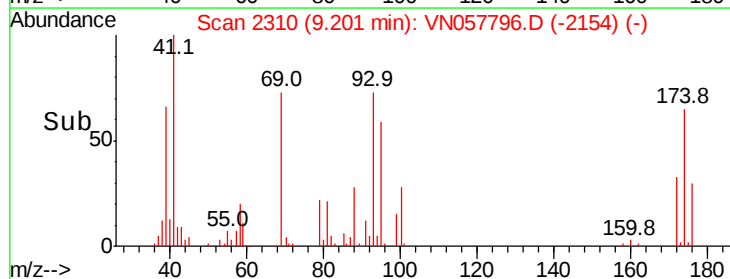
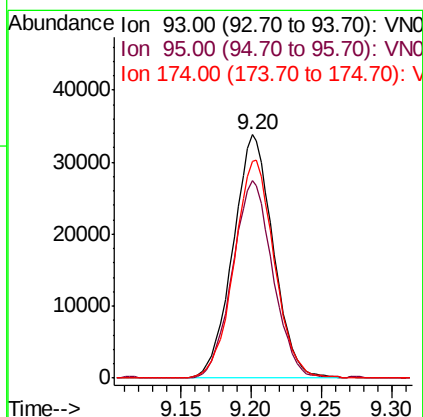
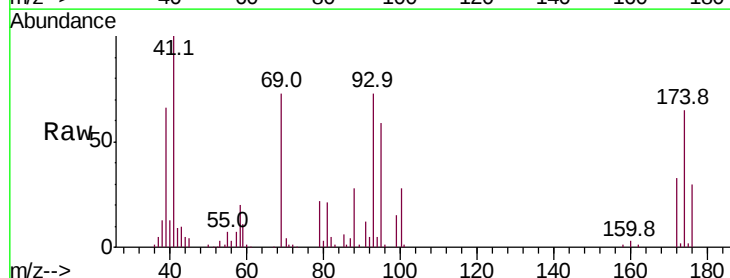
Instrument :
 MSVOA_N
 ClientSampleId :

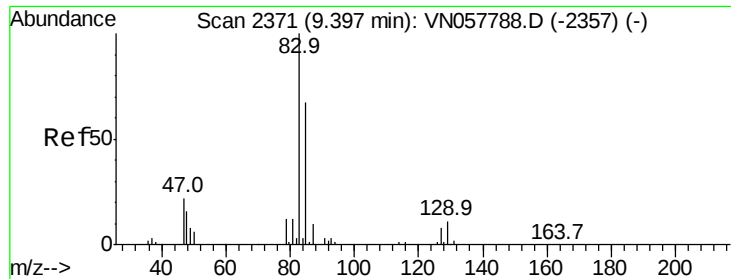
Tot Ion: 63 Resp: 108918
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.6 35.4



#40
 Dibromomethane
 Concen: 20.477 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 93 Resp: 67398
 Ion Ratio Lower Upper
 93 100
 95 81.3 0.0 163.0
 174 89.2 0.0 171.4

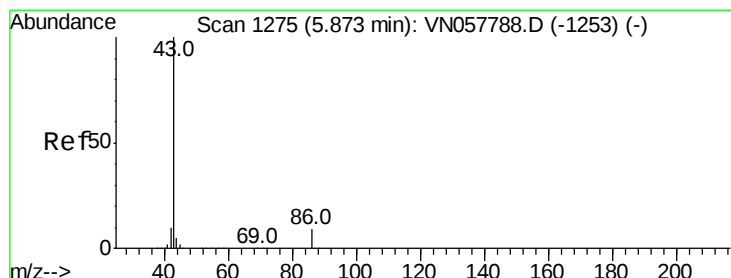
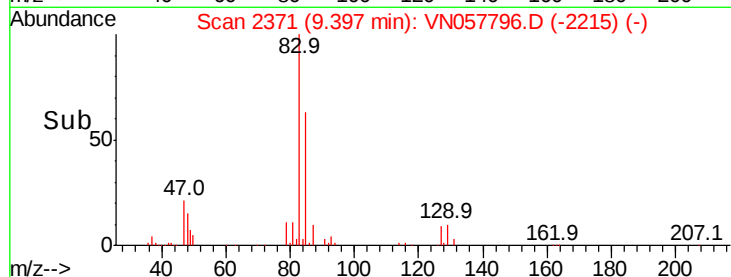
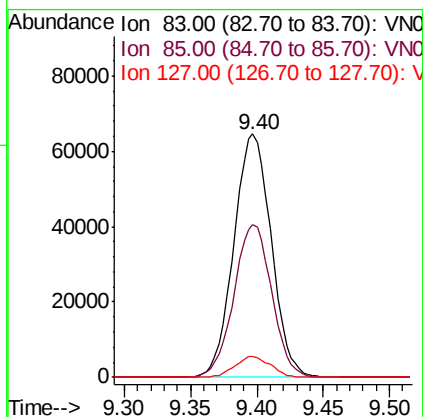
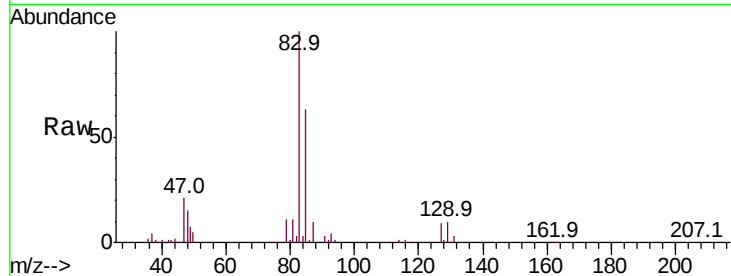




#41
Bromodichloromethane
Concen: 19.110 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

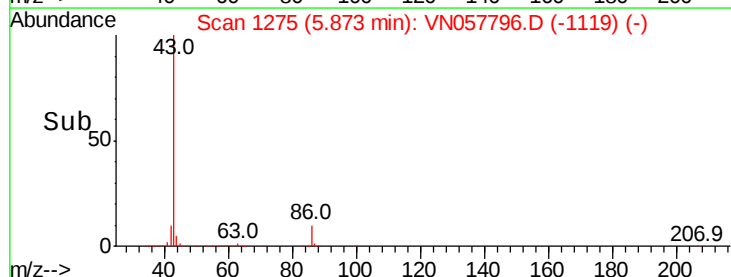
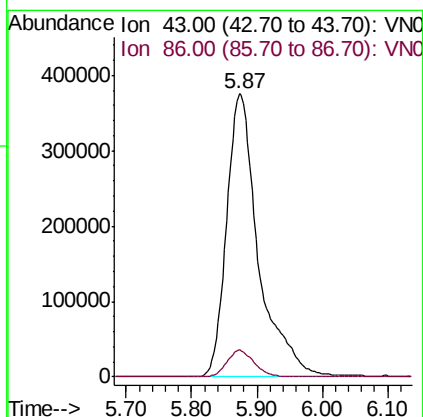
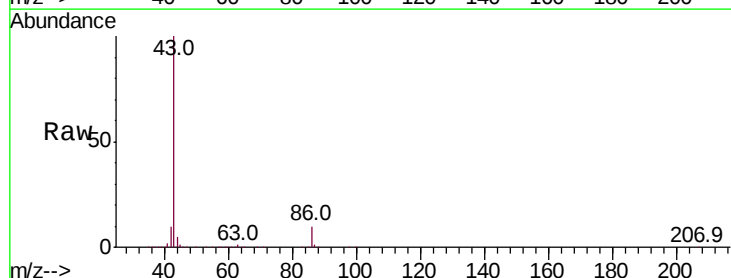
Instrument :
MSVOA_N
ClientSampleId :

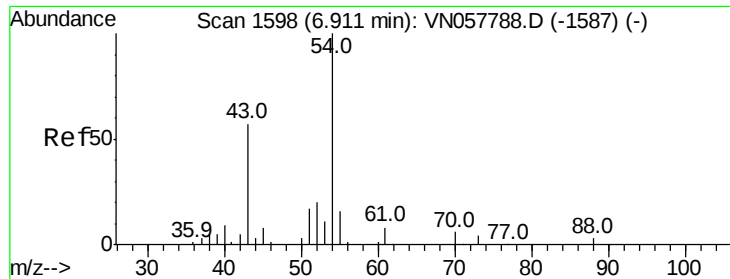
Tot Ion: 83 Resp: 126808
Ion Ratio Lower Upper
83 100
85 62.8 53.4 80.0
127 8.6 6.6 10.0



#42
Vinyl Acetate
Concen: 107.407 ug/l
RT: 5.87 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 43 Resp: 1265818
Ion Ratio Lower Upper
43 100
86 8.1 6.3 9.5





#43

Ethyl Acetate

Concen: 19.065 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

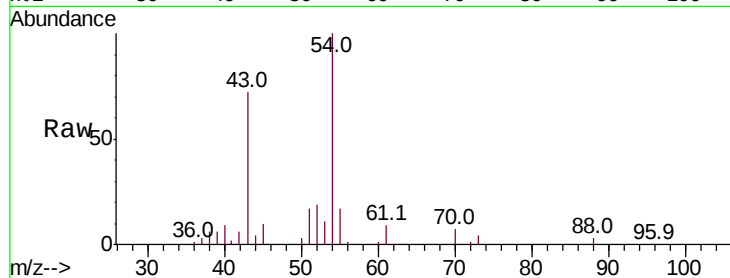
ClientSampled :

Tot Ion: 43 Resp: 114060

Ion Ratio Lower Upper

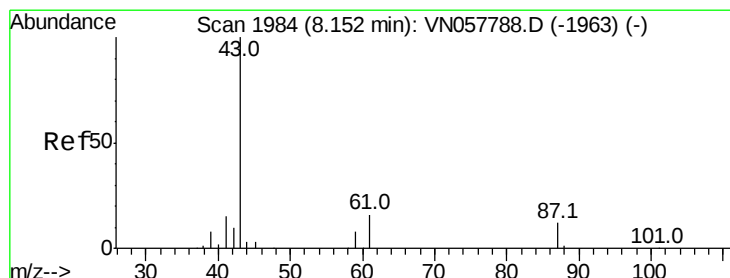
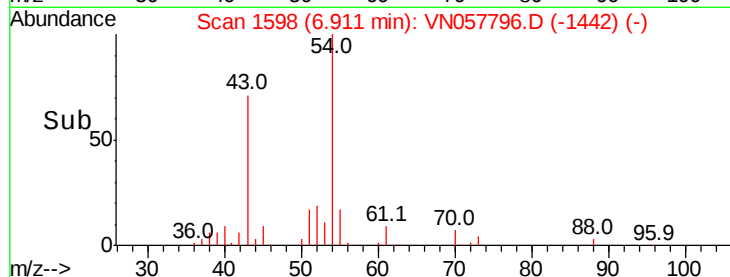
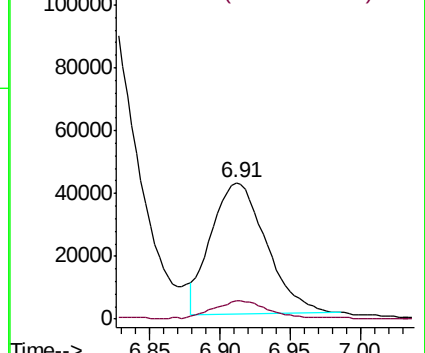
43 100

45 12.4 5.4 8.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.976 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057796.D

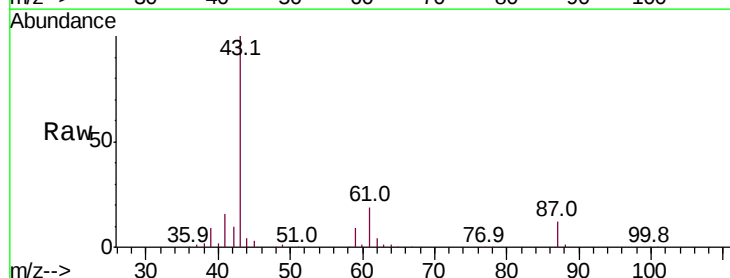
Acq: 9 Sep 2019 12:52

Tgt Ion: 43 Resp: 208373

Ion Ratio Lower Upper

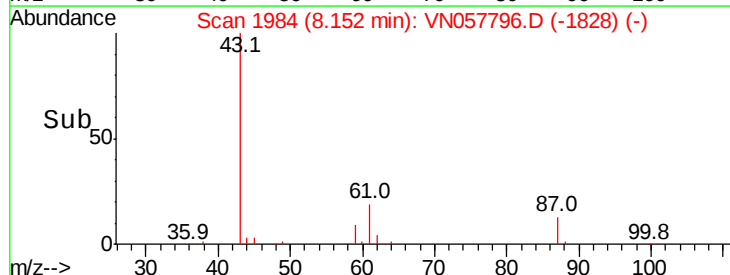
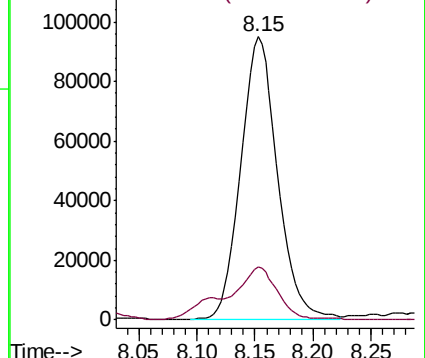
43 100

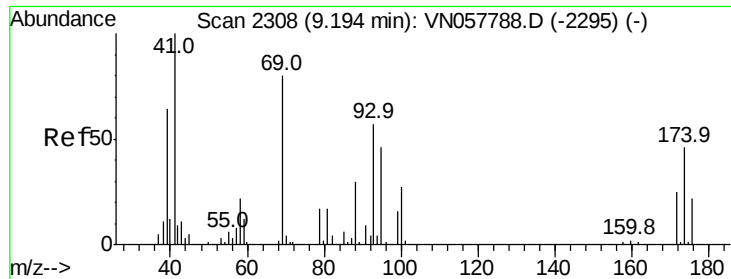
61 18.0 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

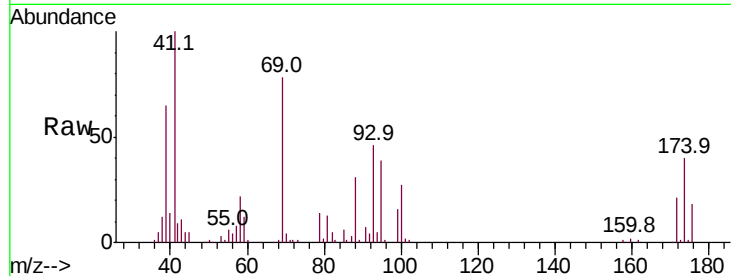




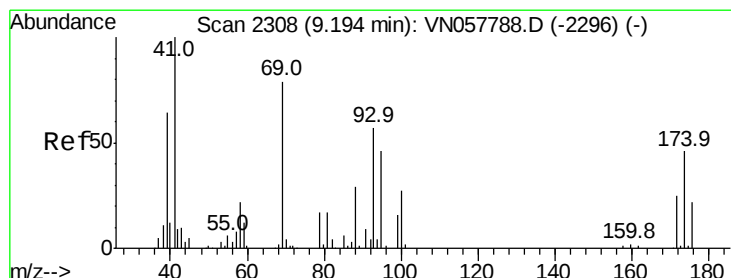
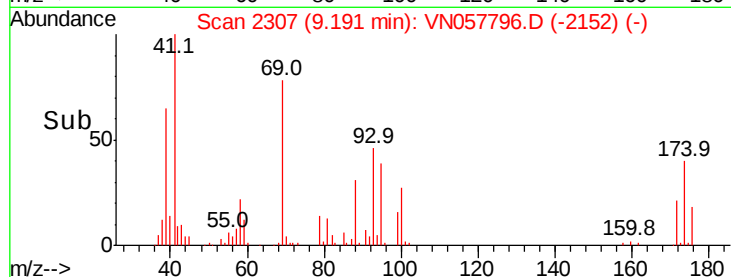
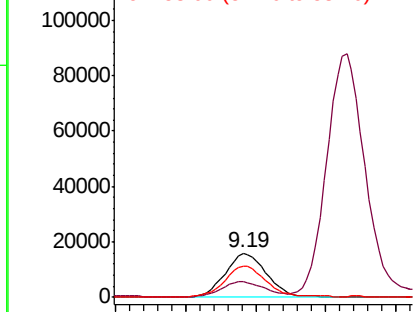
#45
 1,4-Dioxane
 Concen: 399.716 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 32763
 Ion Ratio Lower Upper
 88 100
 43 34.0 28.2 42.4
 58 70.4 58.5 87.7

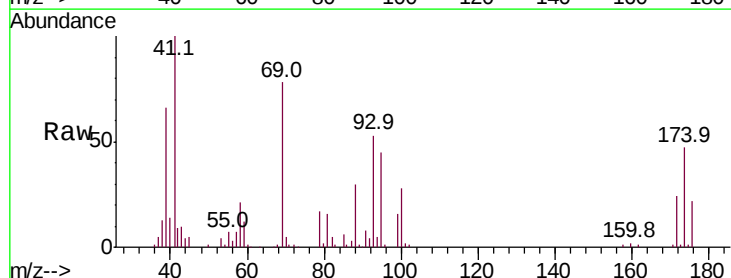


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

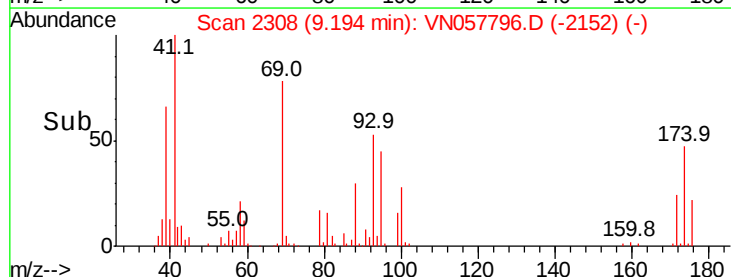
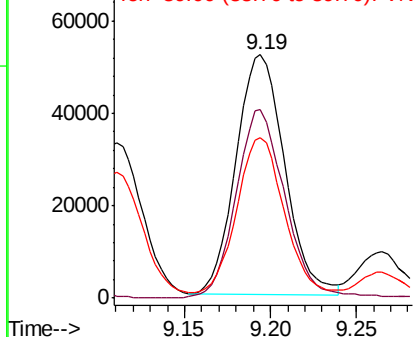


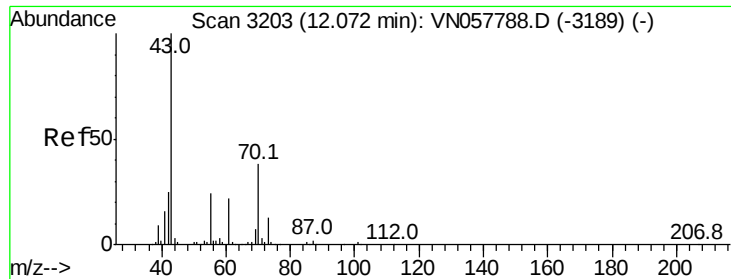
#46
 Methyl methacrylate
 Concen: 20.116 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 41 Resp: 102498
 Ion Ratio Lower Upper
 41 100
 69 78.4 39.6 119.0
 39 64.6 31.9 95.7



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

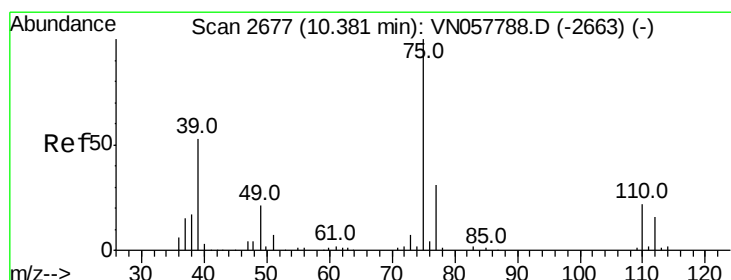
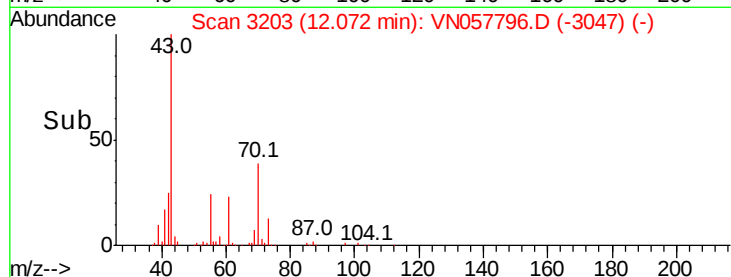
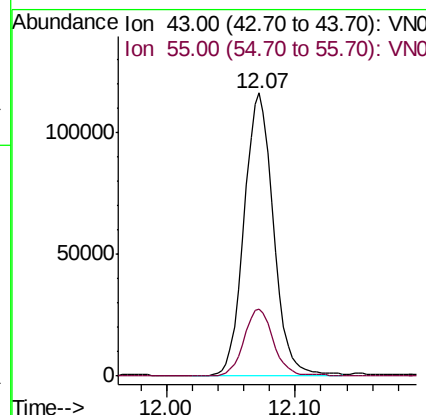
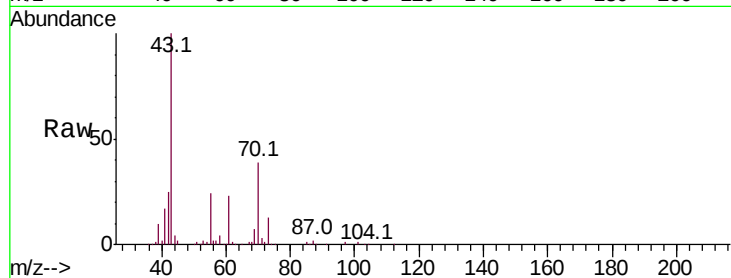




#47
n-amyl Acetate
Concen: 19.107 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

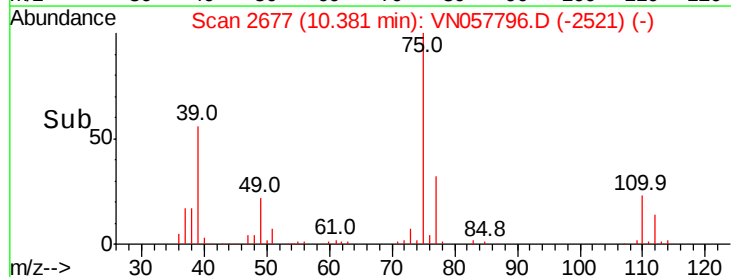
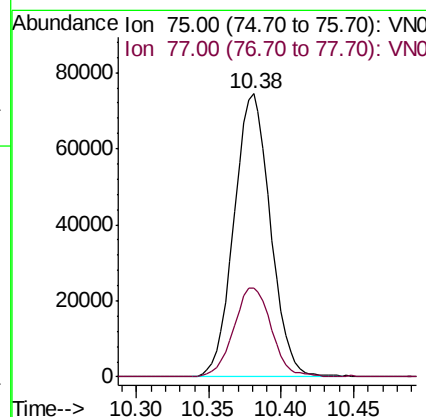
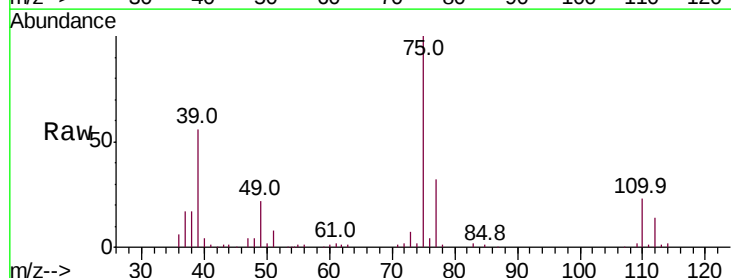
Instrument :
MSVOA_N
ClientSampled :

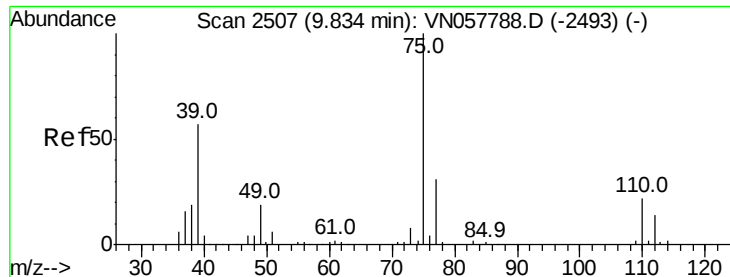
Tot Ion: 43 Resp: 183083
Ion Ratio Lower Upper
43 100
55 23.9 18.3 27.5



#48
t-1,3-Dichloropropene
Concen: 18.429 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 75 Resp: 130186
Ion Ratio Lower Upper
75 100
77 31.6 24.9 37.3



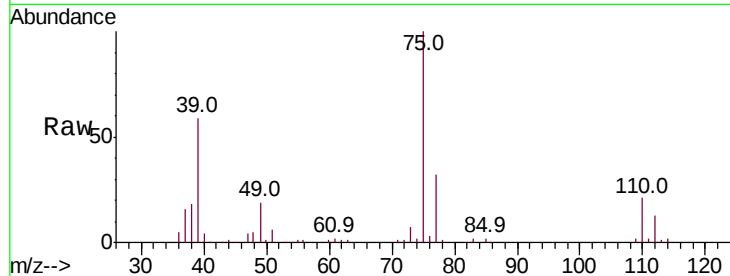


#49

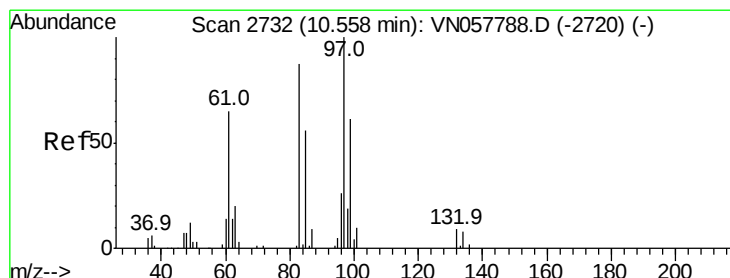
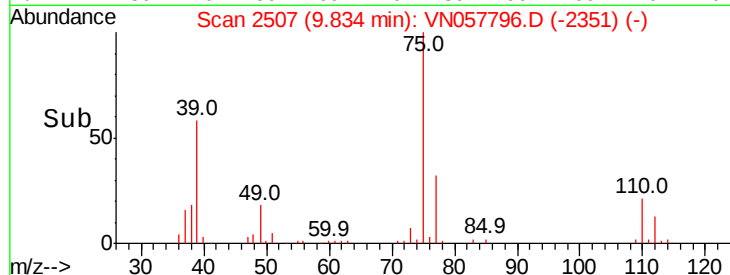
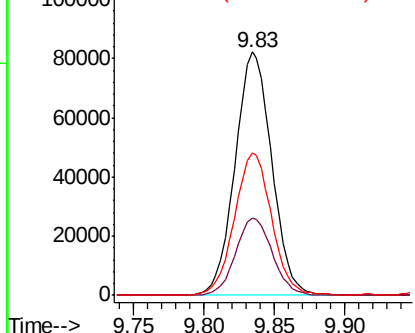
cis-1,3-Dichloropropene
Concen: 18.943 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	58.5	45.8	68.8



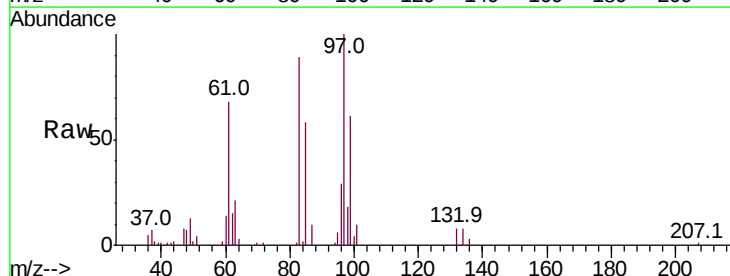
Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



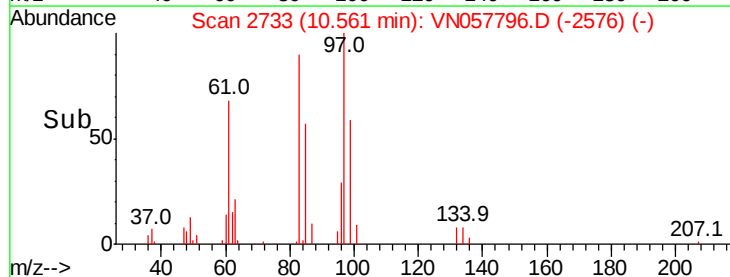
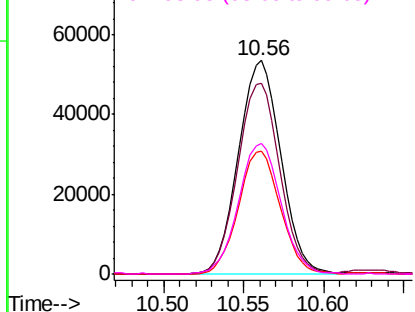
#50

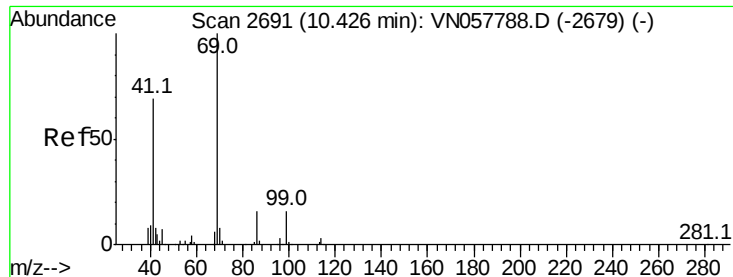
1,1,2-Trichloroethane
Concen: 20.282 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.4	104.2
85	57.5	45.0	67.6
99	60.9	48.8	73.2



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.549 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

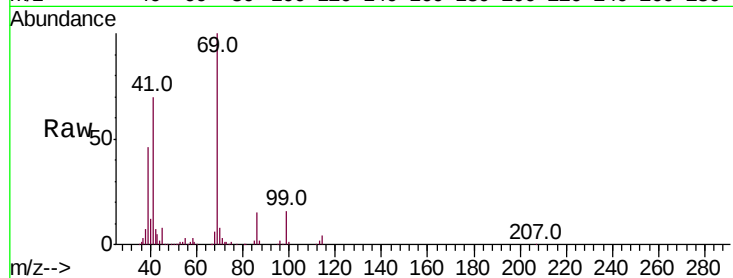
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 69 Resp: 144714

Ion	Ratio	Lower	Upper
69	100		
41	69.7	34.5	103.5
39	45.4	22.4	67.3

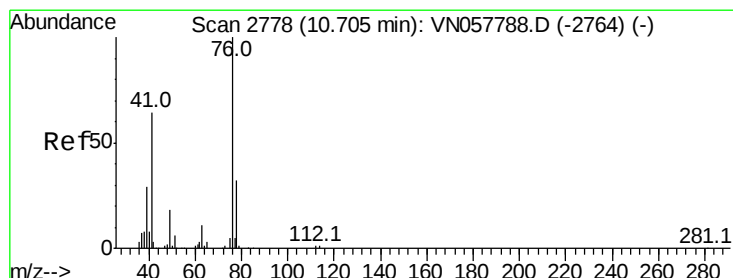
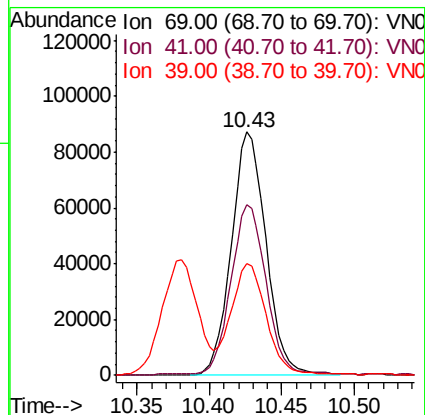
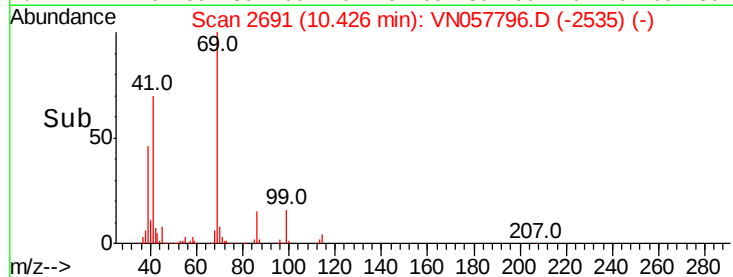


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.062 ug/l

RT: 10.71 min Scan# 2778

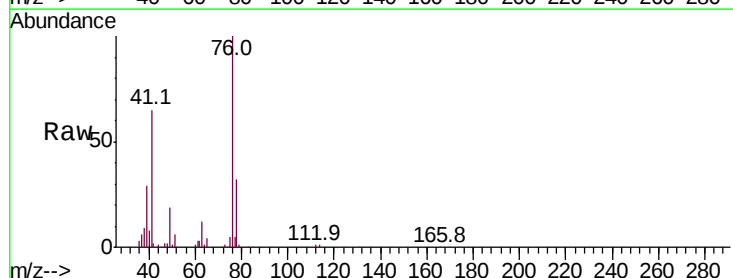
Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion: 76 Resp: 167498

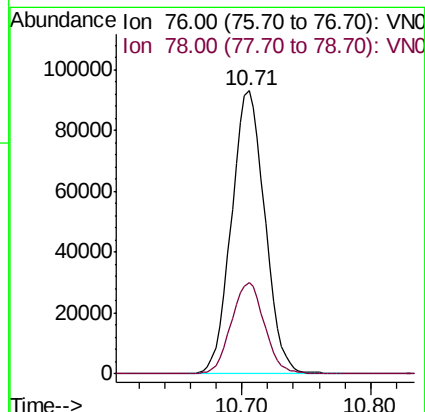
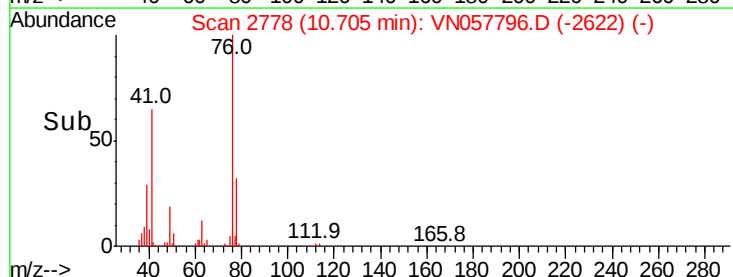
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	63.8

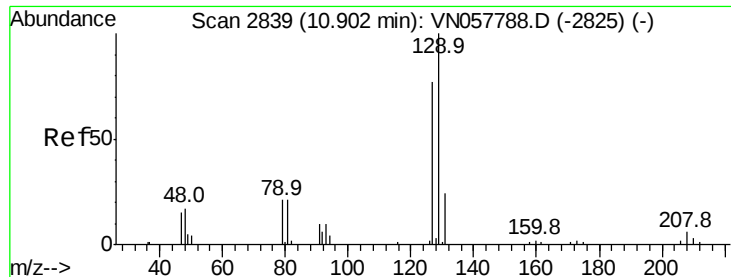


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.020 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

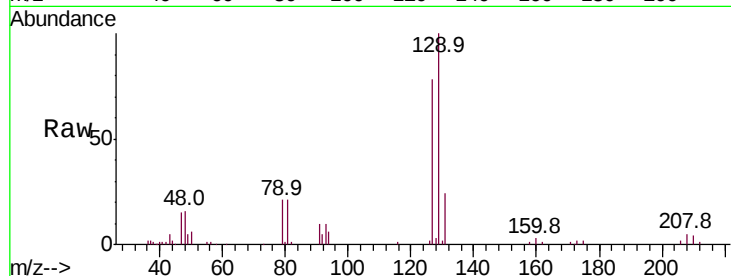
ClientSampled :

Tot Ion:129 Resp: 84963

Ion Ratio Lower Upper

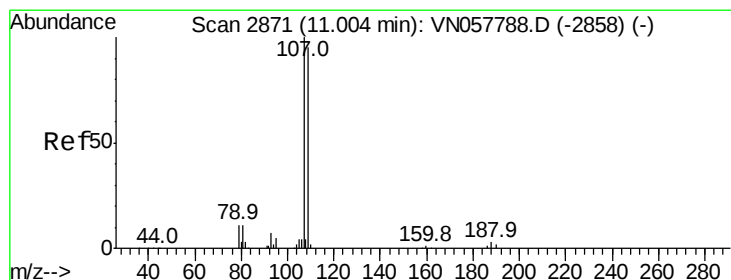
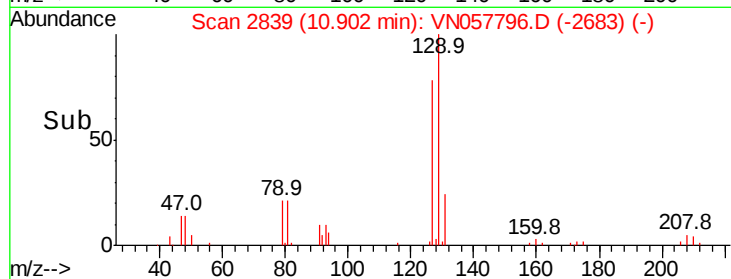
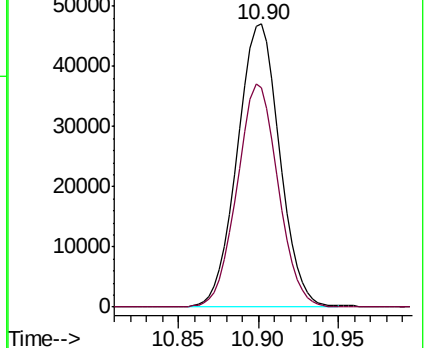
129 100

127 76.3 38.8 116.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.817 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057796.D

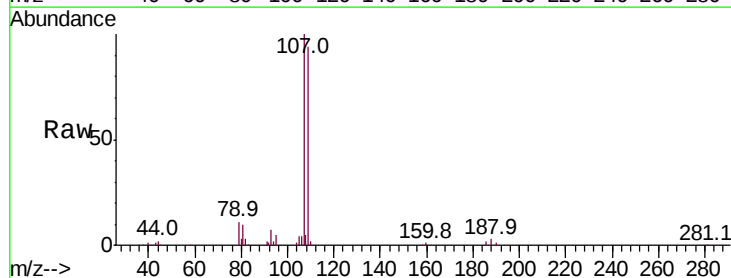
Acq: 9 Sep 2019 12:52

Tgt Ion:107 Resp: 94134

Ion Ratio Lower Upper

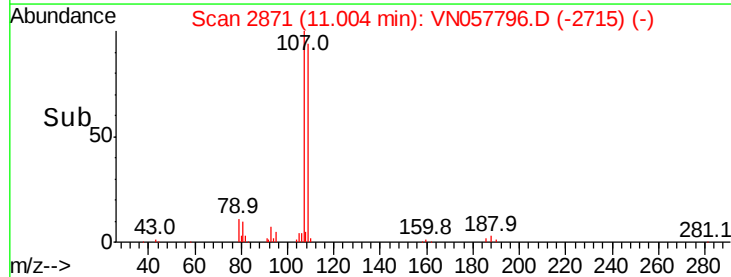
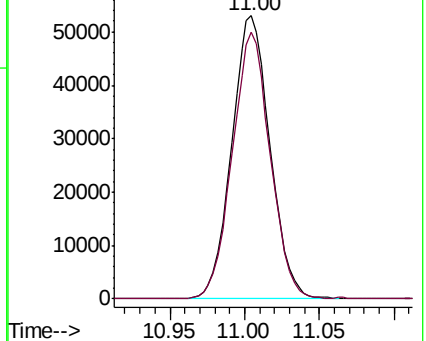
107 100

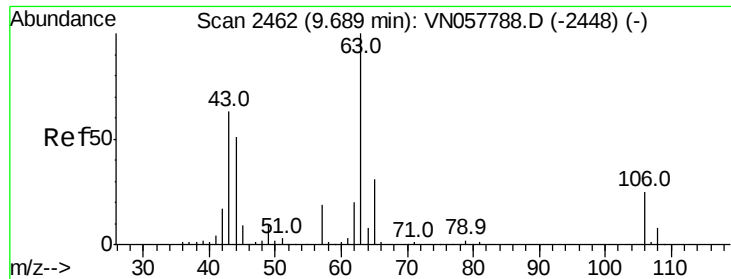
109 93.4 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

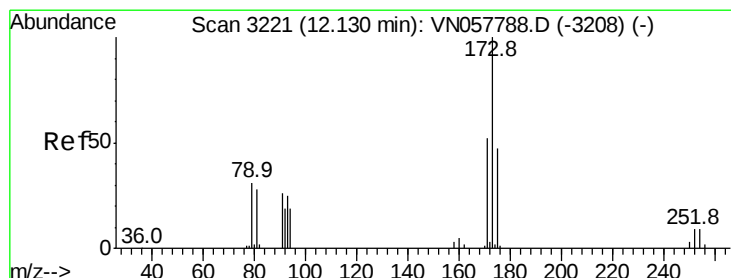
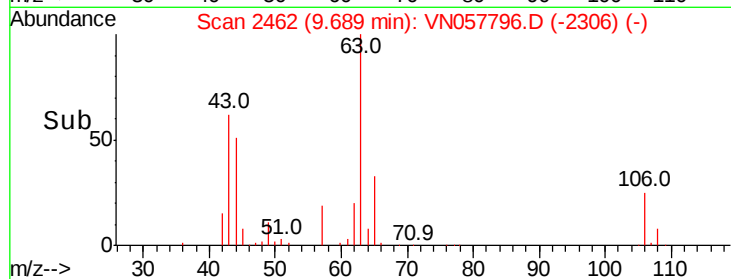
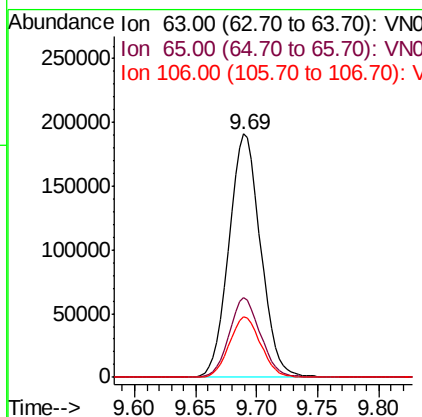
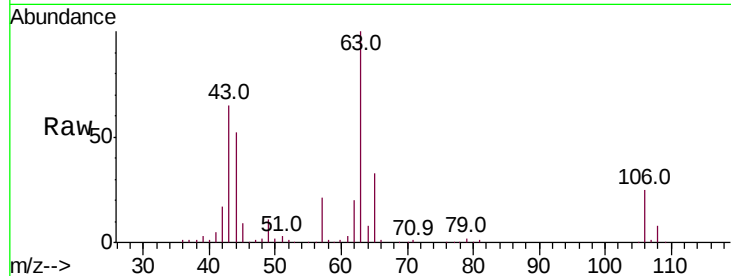




#55
2-Chloroethyl vinyl ether
Concen: 98.584 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

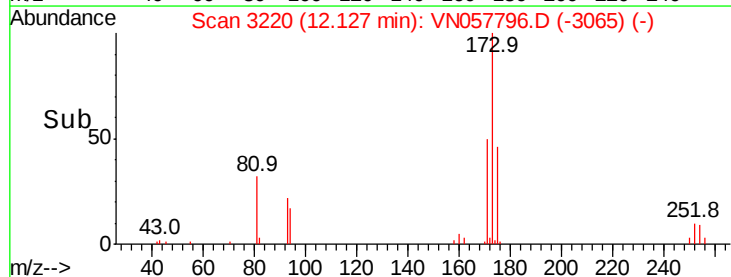
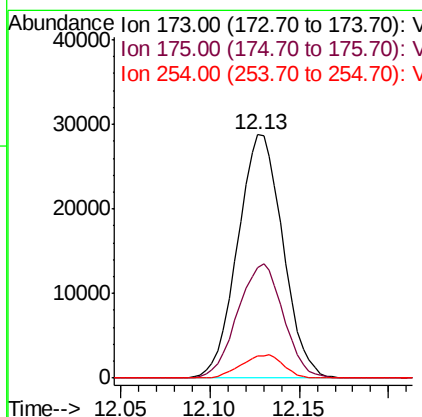
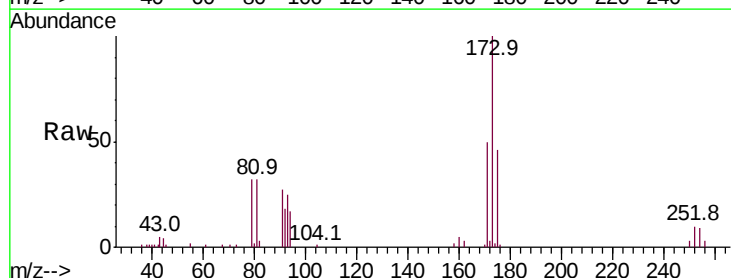
Instrument :
MSVOA_N
ClientSampled :

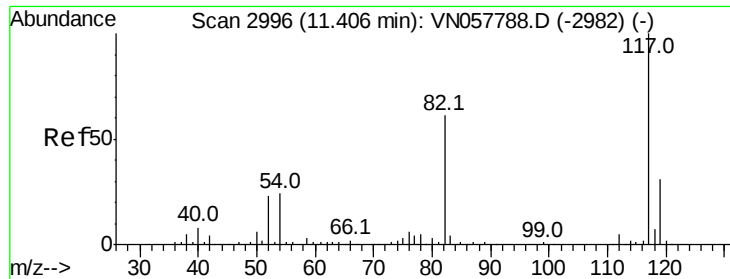
Tot Ion: 63 Resp: 346773
Ion Ratio Lower Upper
63 100
65 32.2 25.0 37.6
106 24.6 19.8 29.8



#56
Bromoform
Concen: 17.441 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 173 Resp: 50942
Ion Ratio Lower Upper
173 100
175 47.6 38.4 57.6
254 8.8 6.9 10.3

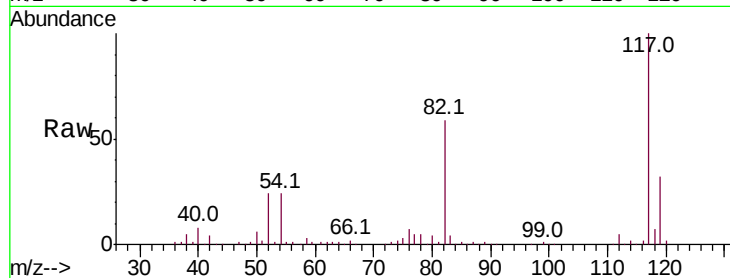




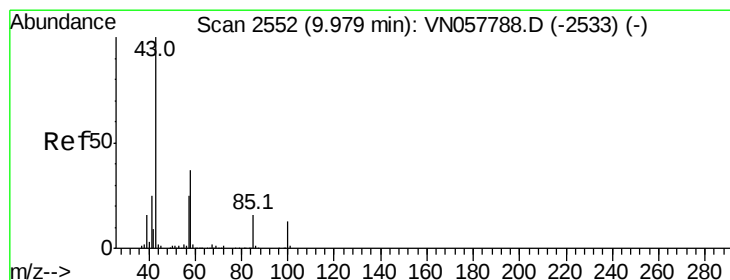
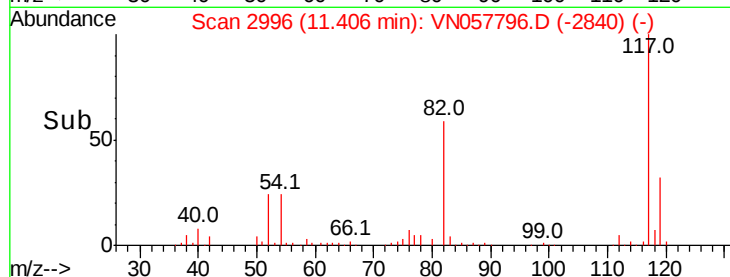
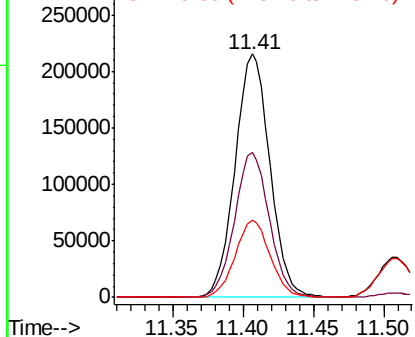
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 373668
Ion Ratio Lower Upper
117 100
82 59.3 47.6 71.4
119 31.7 25.4 38.2

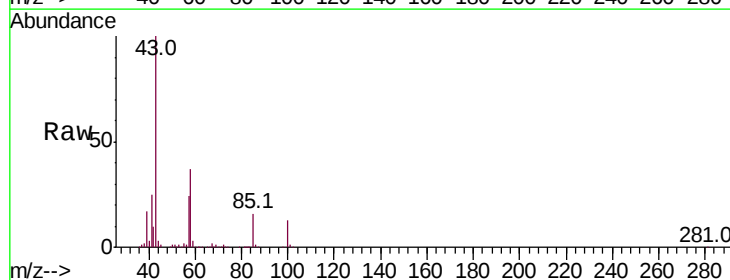


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

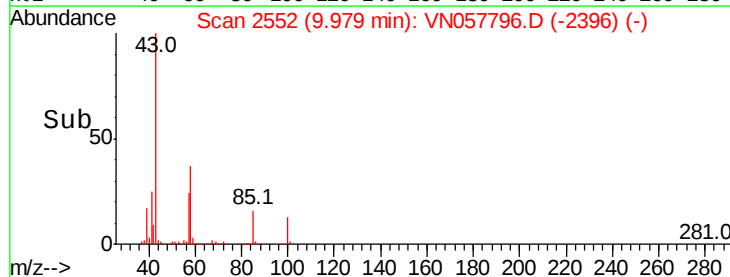
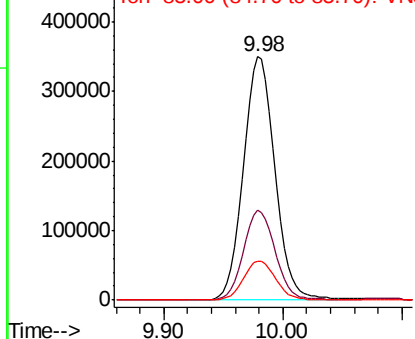


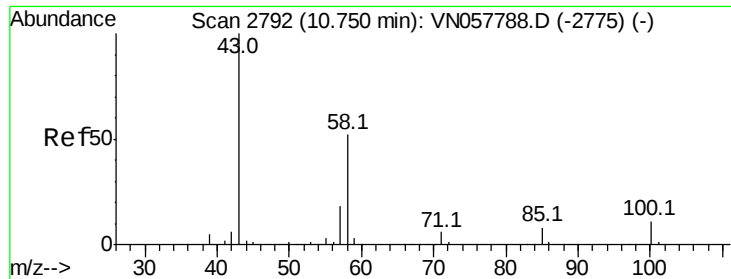
#58
4-Methyl-2-Pentanone
Concen: 110.538 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 43 Resp: 640543
Ion Ratio Lower Upper
43 100
58 37.0 29.4 44.0
85 16.5 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

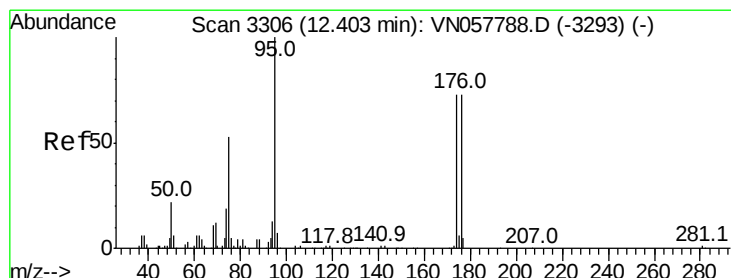
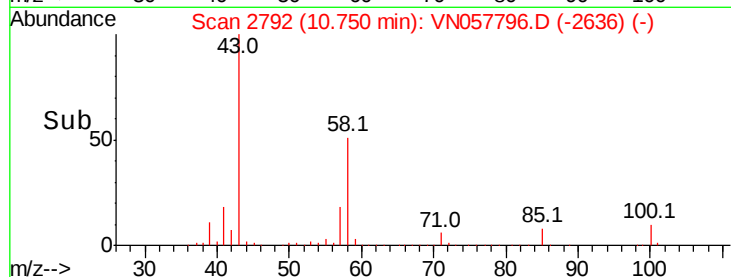
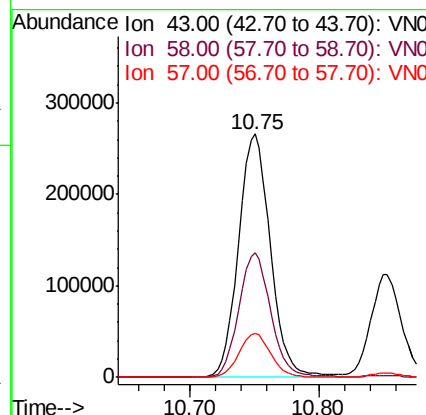
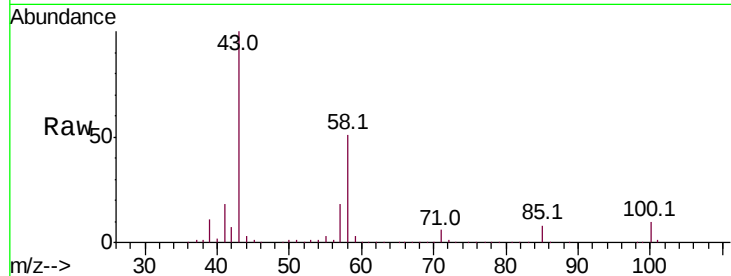




#59
2-Hexanone
Concen: 105.173 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

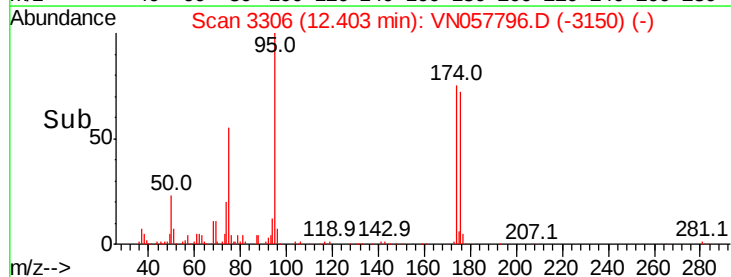
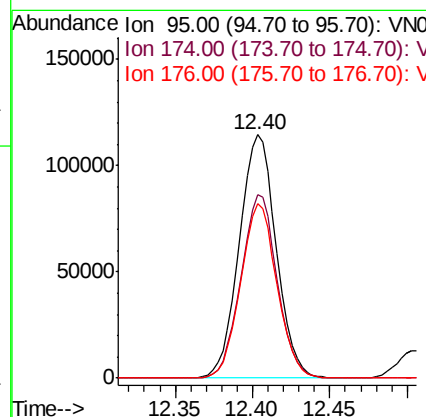
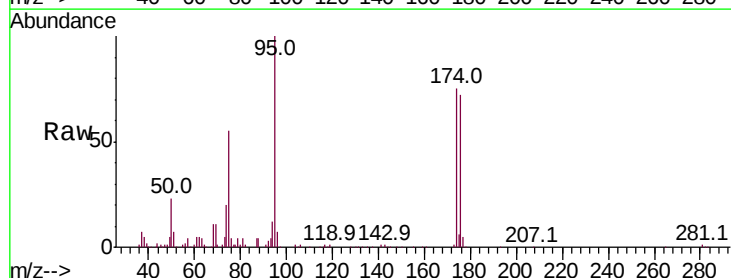
Instrument :
MSVOA_N
ClientSampled :

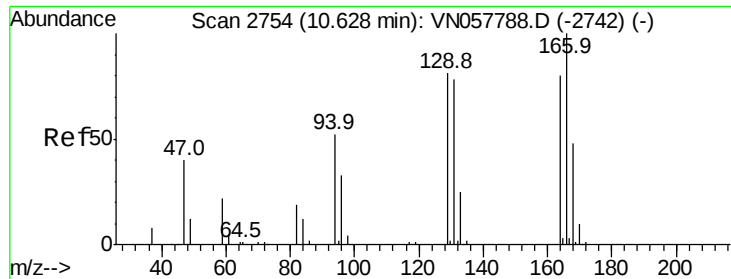
Tot Ion: 43 Resp: 457350
Ion Ratio Lower Upper
43 100
58 51.0 40.6 61.0
57 18.2 14.5 21.7



#60
4-Bromofluorobenzene
Concen: 29.641 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 95 Resp: 189532
Ion Ratio Lower Upper
95 100
174 74.1 59.4 89.0
176 70.7 57.4 86.0





#61

Tetrachloroethene

Concen: 19.907 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

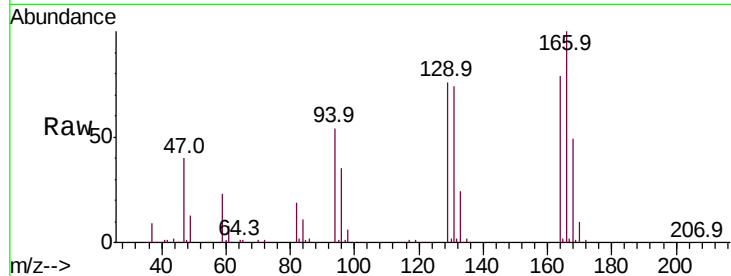
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 75630

Ion	Ratio	Lower	Upper
164	100		
166	126.3	99.6	149.4
129	96.0	80.9	121.3
131	93.9	77.2	115.8



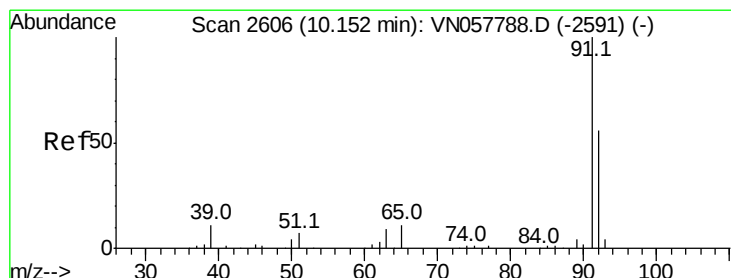
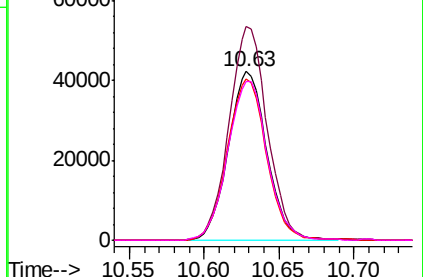
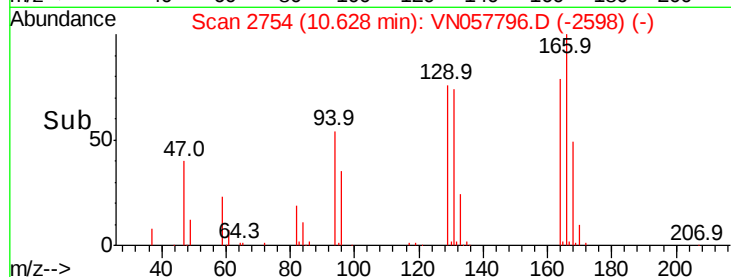
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time--> 10.55 10.60 10.65 10.70



#62

Toluene

Concen: 20.709 ug/l

RT: 10.15 min Scan# 2606

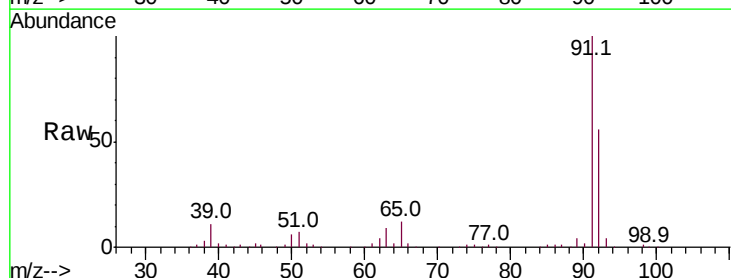
Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Tgt Ion: 91 Resp: 428484

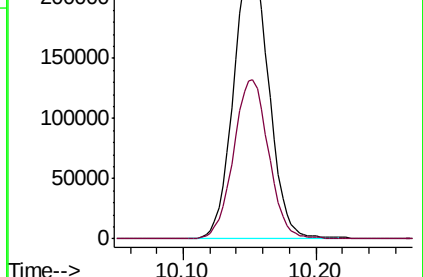
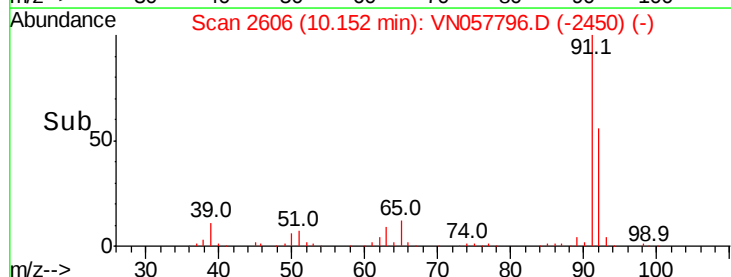
Ion	Ratio	Lower	Upper
91	100		
92	56.8	44.9	67.3

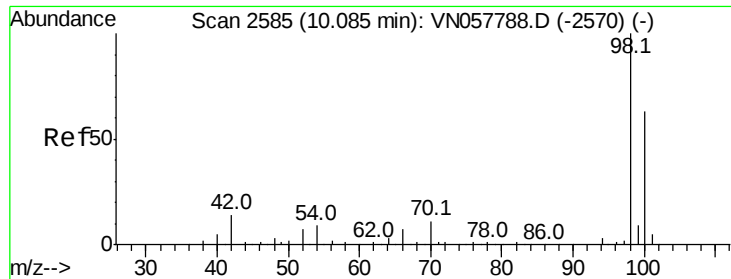


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Time--> 10.10 10.20





#63

Toluene-d8

Concen: 30.156 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

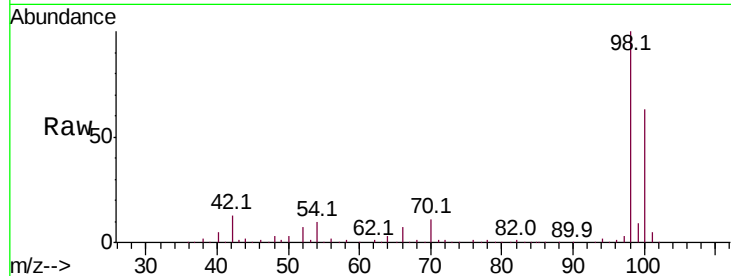
ClientSampleId :

Tot Ion: 98 Resp: 540864

Ion Ratio Lower Upper

98 100

100 62.9 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057788.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-2570) (-)

10.09

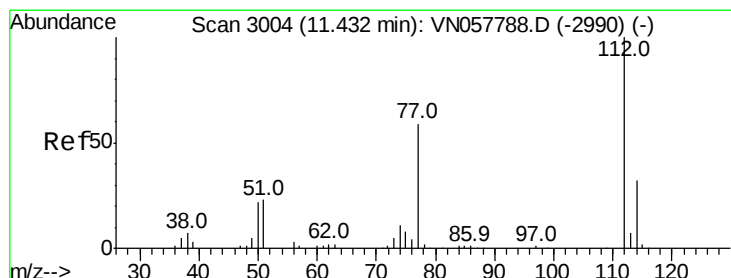
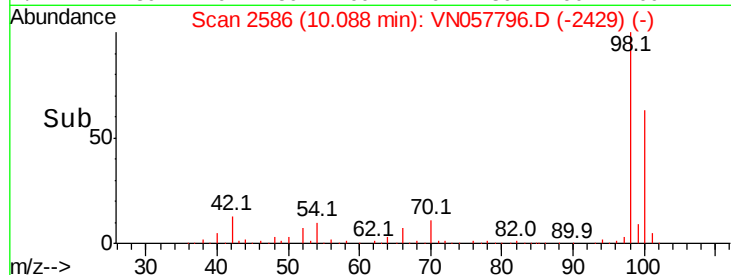
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 19.994 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057796.D

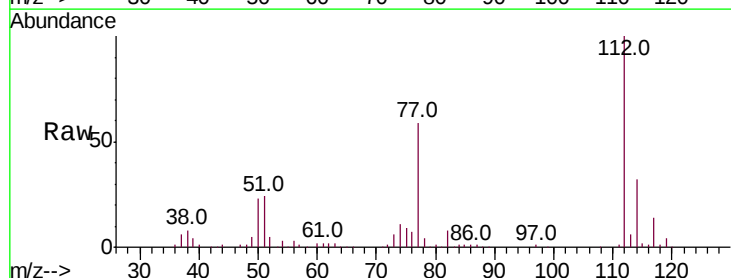
Acq: 9 Sep 2019 12:52

Tgt Ion: 112 Resp: 256618

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN057788.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN057788.D (-2990) (-)

11.43

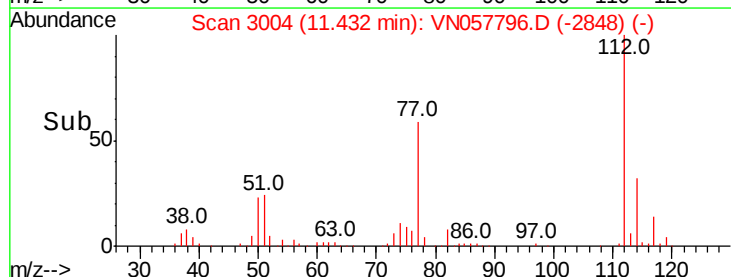
150000

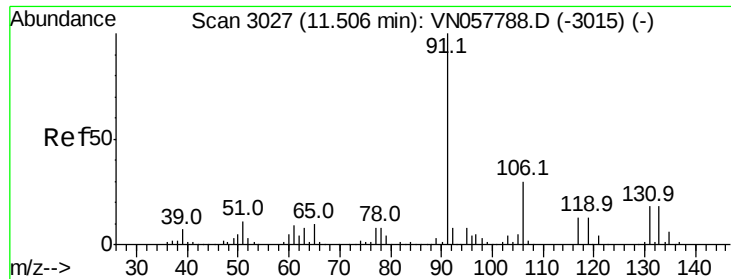
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.357 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

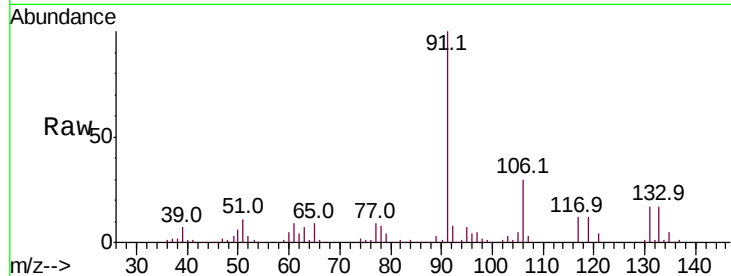
Tot Ion:131 Resp: 86265

Ion Ratio Lower Upper

131 100

133 97.2 0.0 189.2

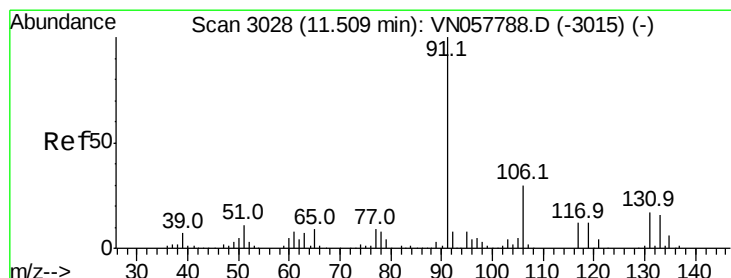
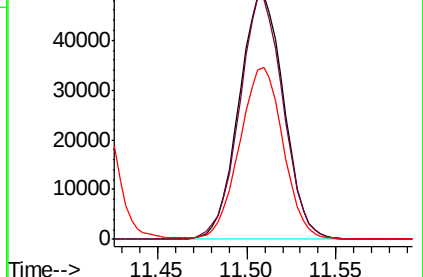
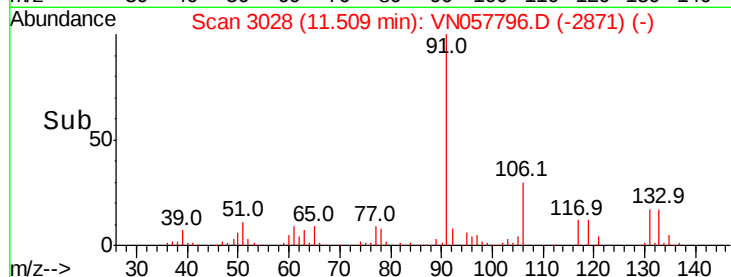
119 68.8 0.0 136.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.012 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057796.D

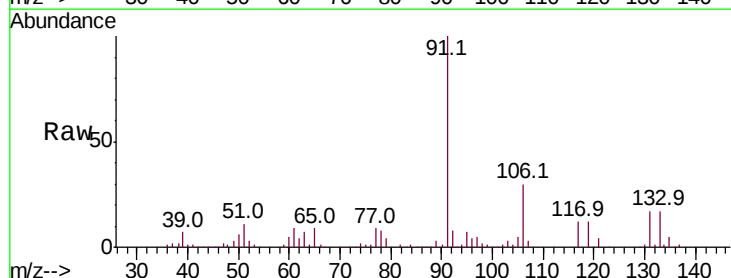
Acq: 9 Sep 2019 12:52

Tgt Ion: 91 Resp: 474481

Ion Ratio Lower Upper

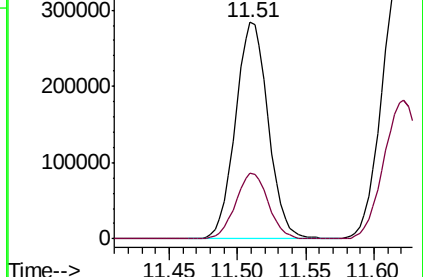
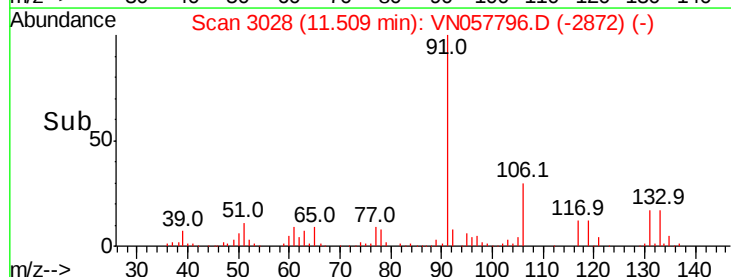
91 100

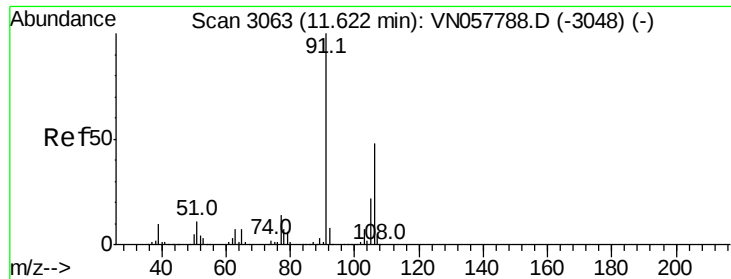
106 30.3 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.276 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

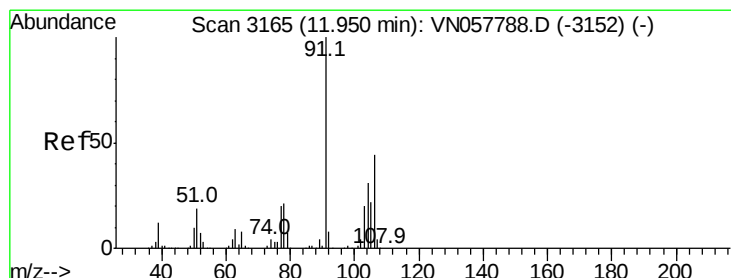
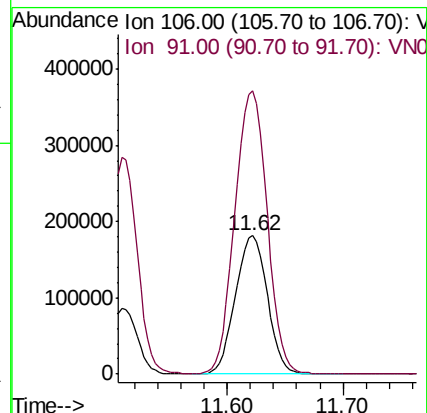
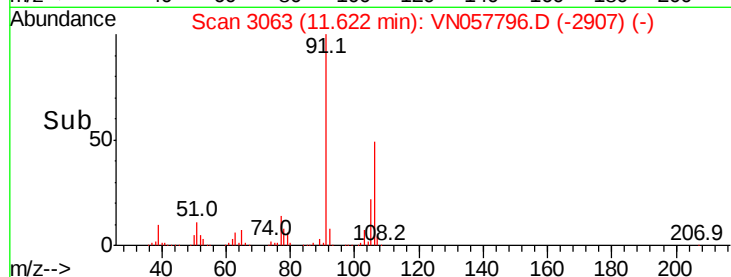
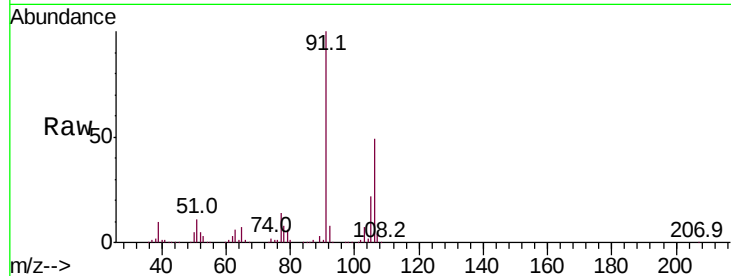
ClientSampleId :

Tot Ion:106 Resp: 347127

Ion Ratio Lower Upper

106 100

91 206.8 166.1 249.1



#68

o-Xylene

Concen: 19.821 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057796.D

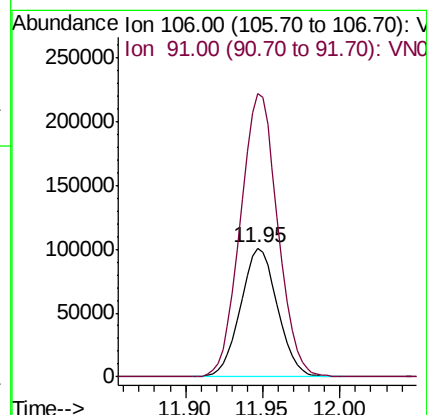
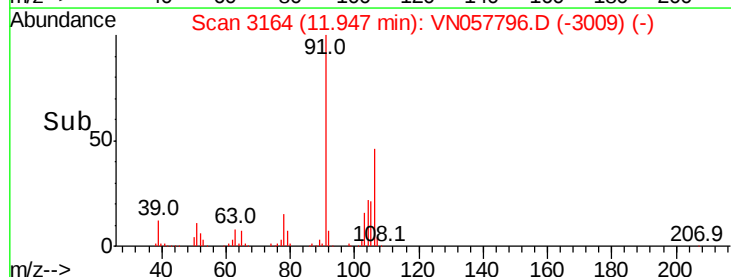
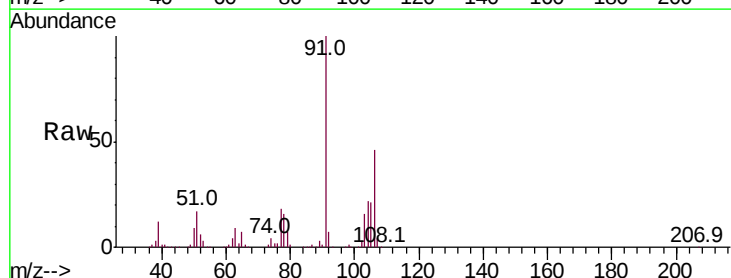
Acq: 9 Sep 2019 12:52

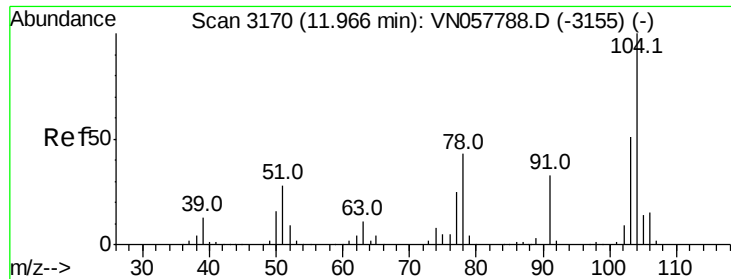
Tgt Ion:106 Resp: 167356

Ion Ratio Lower Upper

106 100

91 222.0 111.5 334.4

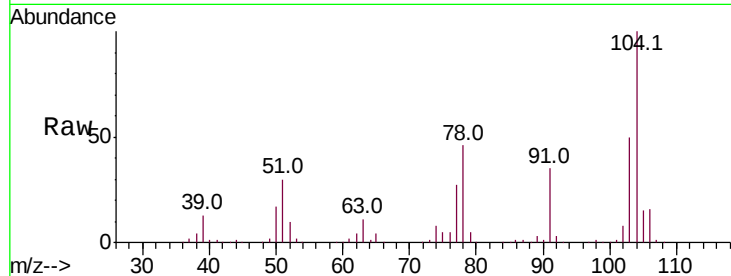




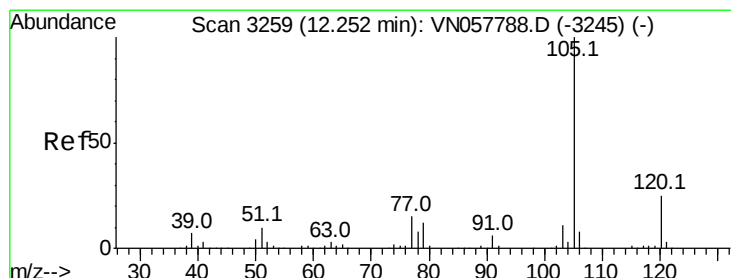
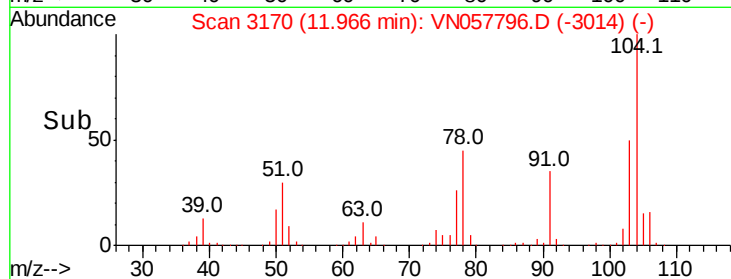
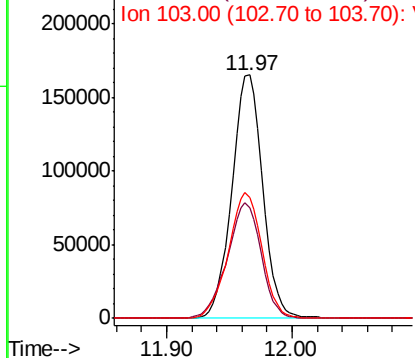
#69
Stvrene
Concen: 19.664 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 283090
Ion Ratio Lower Upper
104 100
78 51.9 41.5 62.3
103 56.2 44.8 67.2

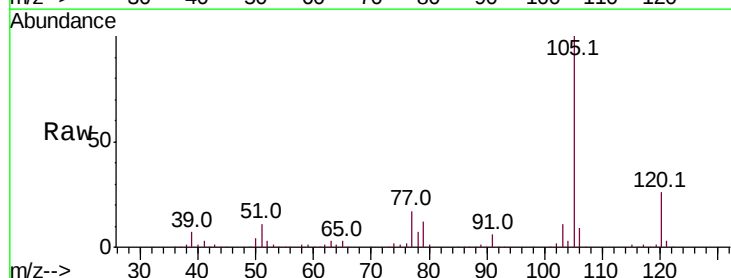


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

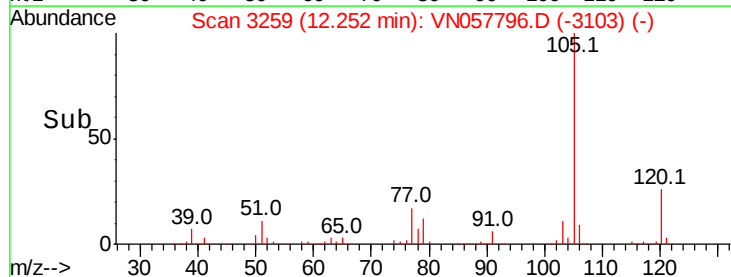
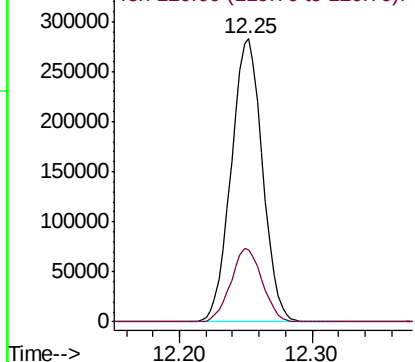


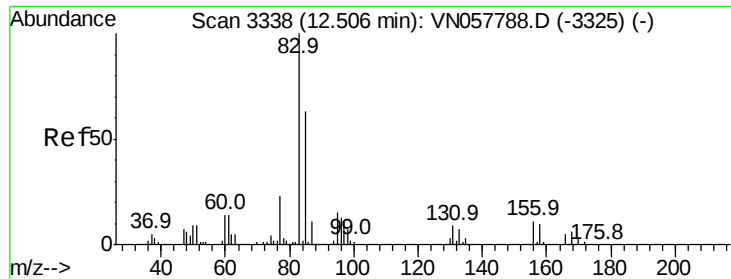
#70
Isopropylbenzene
Concen: 20.707 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion:105 Resp: 462238
Ion Ratio Lower Upper
105 100
120 26.0 17.6 32.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

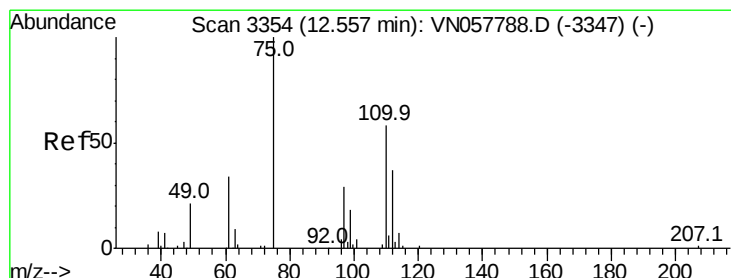
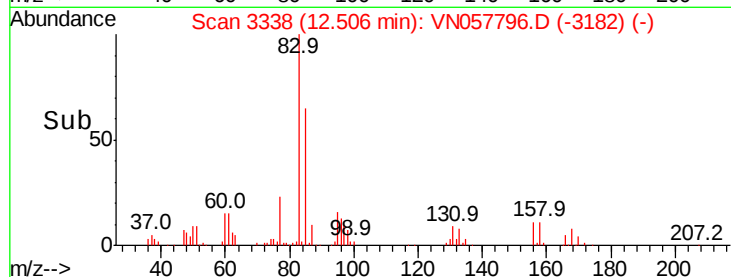
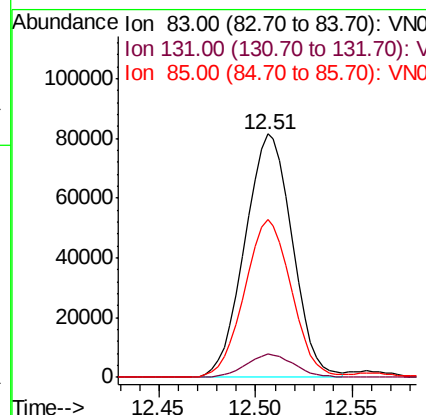
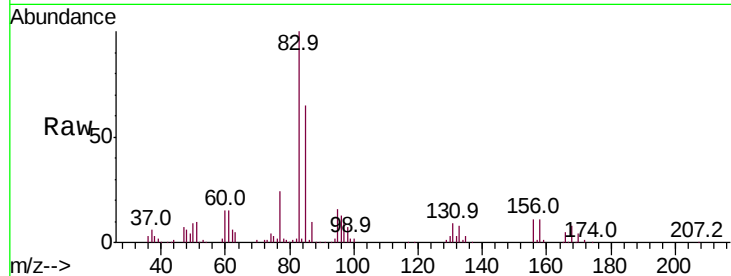




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.976 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

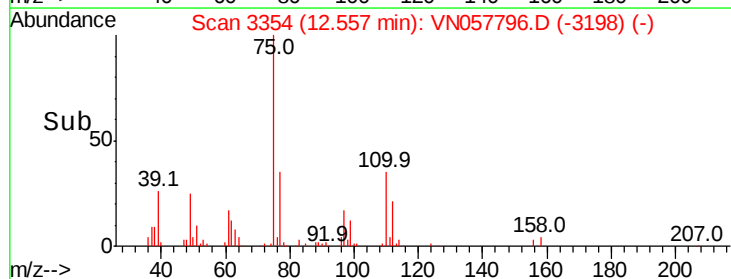
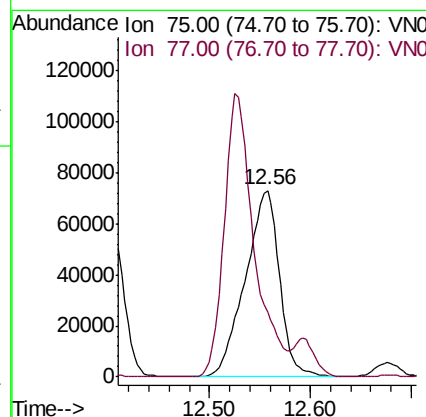
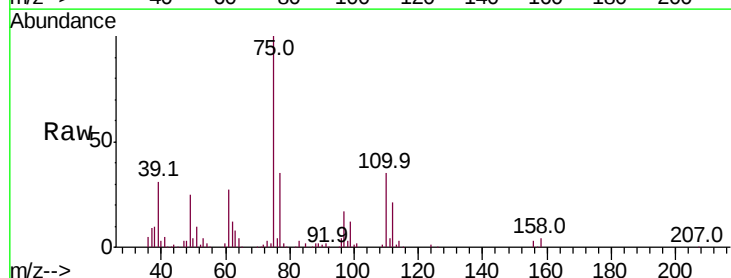
Instrument :
 MSVOA_N
 ClientSampled :

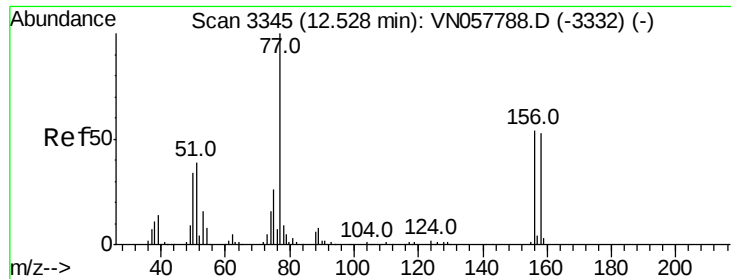
Tot Ion	83	Resp	139361
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	64.1	32.1	96.3



#72
 1,2,3-Trichloropropane
 Concen: 27.704 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion	75	Resp	171541
Ion	Ratio	Lower	Upper
75	100		
77	134.0	0.0	351.6





#73

Bromobenzene

Concen: 19.290 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampled :

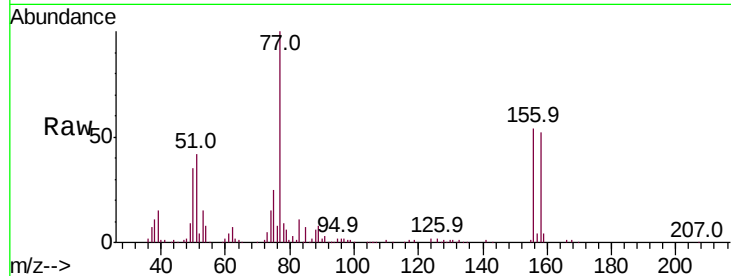
Tot Ion:156 Resp: 103089

Ion Ratio Lower Upper

156 100

77 222.9 0.0 446.6

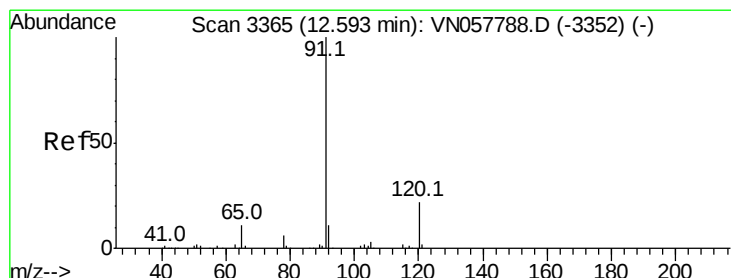
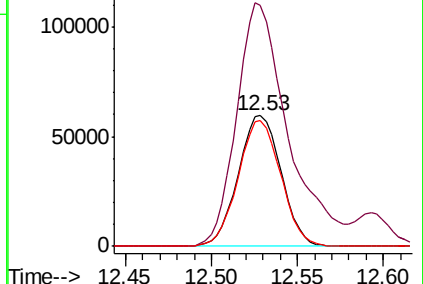
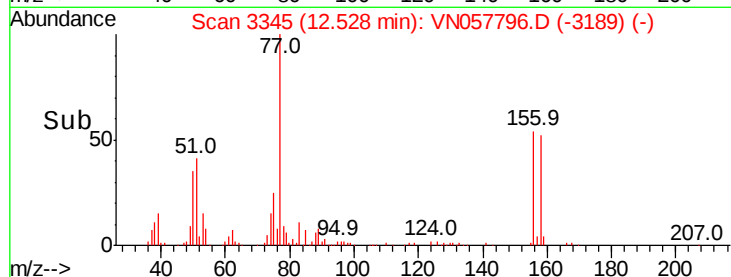
158 95.9 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.243 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057796.D

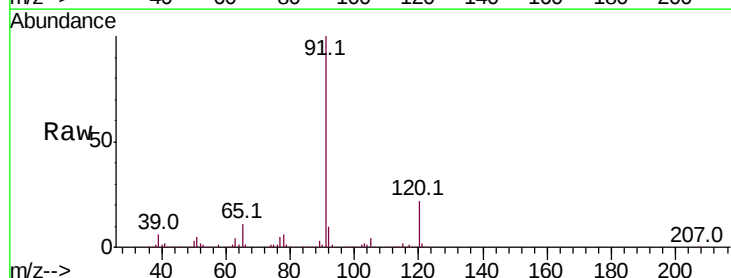
Acq: 9 Sep 2019 12:52

Tgt Ion: 91 Resp: 541769

Ion Ratio Lower Upper

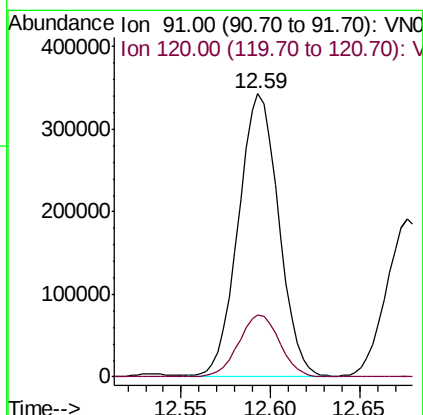
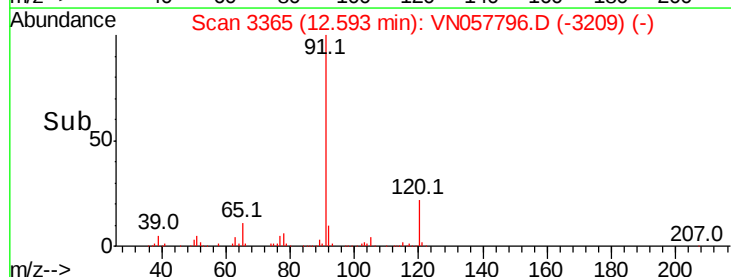
91 100

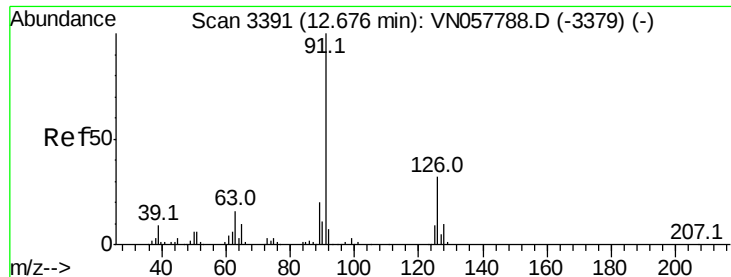
120 22.2 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.955 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

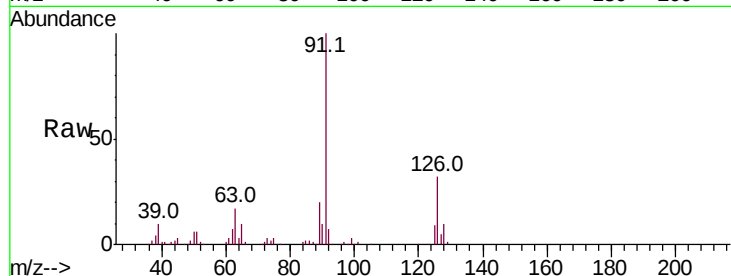
ClientSampleId :

Tot Ion: 91 Resp: 316984

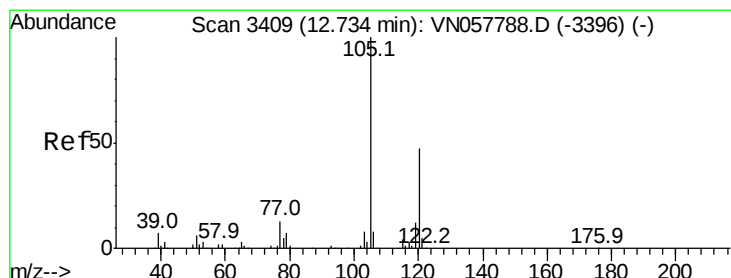
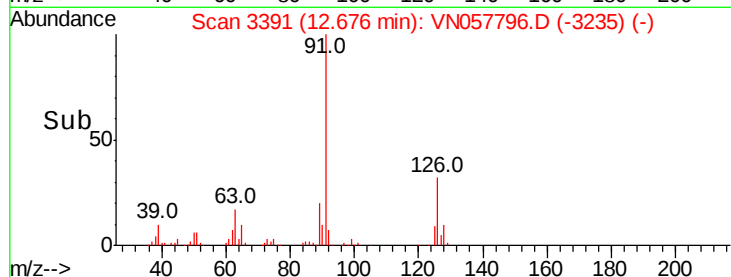
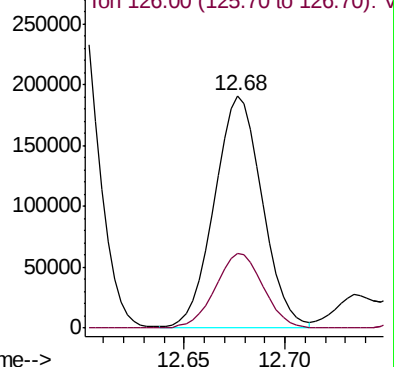
Ion Ratio Lower Upper

91 100

126 32.2 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.289 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057796.D

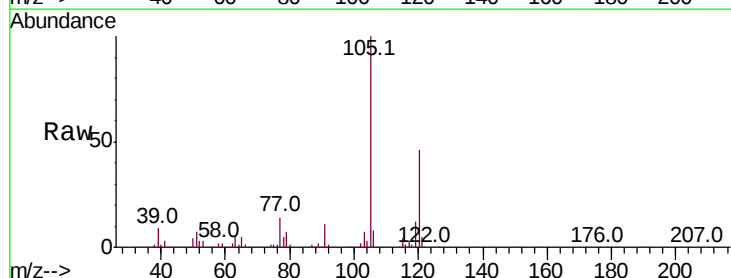
Acq: 9 Sep 2019 12:52

Tgt Ion:105 Resp: 385659

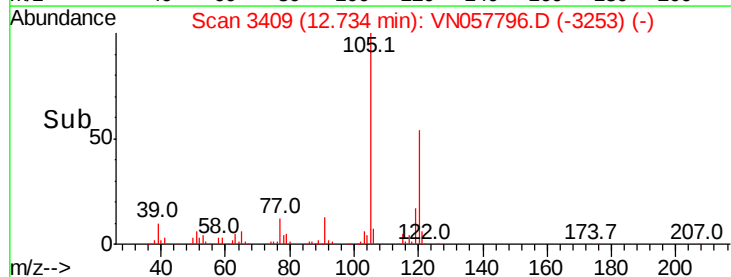
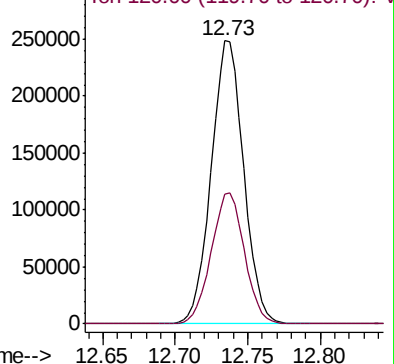
Ion Ratio Lower Upper

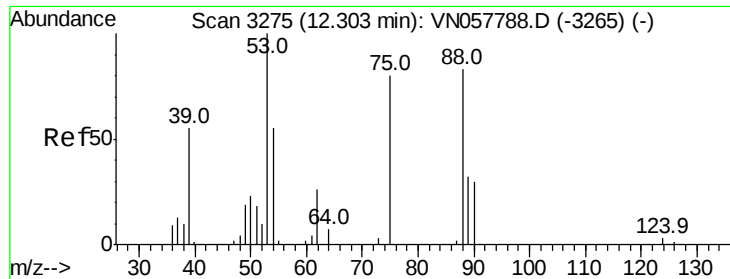
105 100

120 47.5 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.235 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

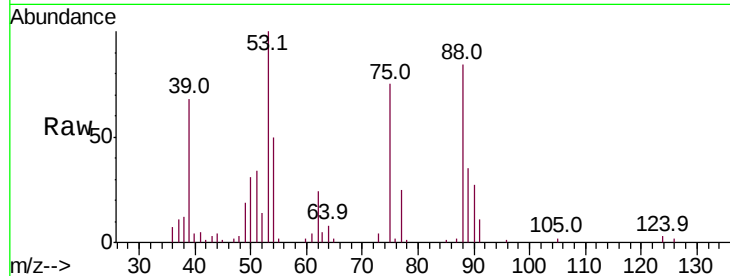
Tot Ion: 75 Resp: 31661

Ion Ratio Lower Upper

75 100

53 132.4 62.7 188.2

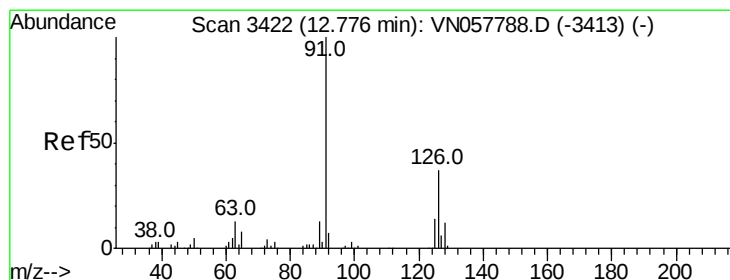
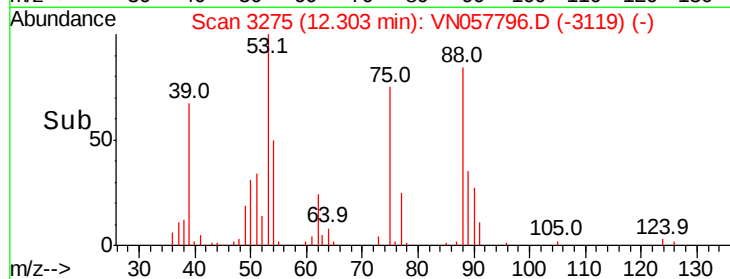
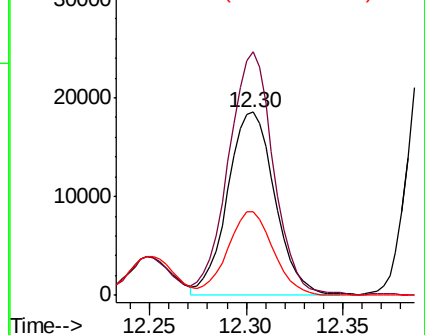
89 46.2 22.8 68.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.933 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057796.D

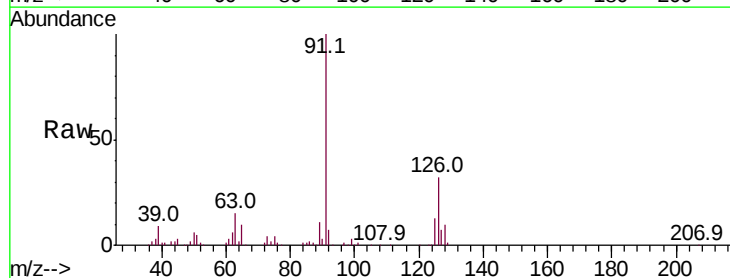
Acq: 9 Sep 2019 12:52

Tgt Ion: 91 Resp: 322978

Ion Ratio Lower Upper

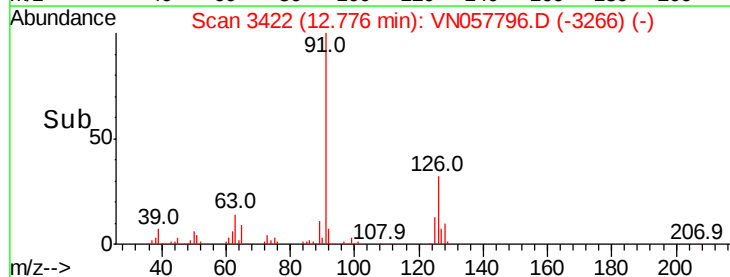
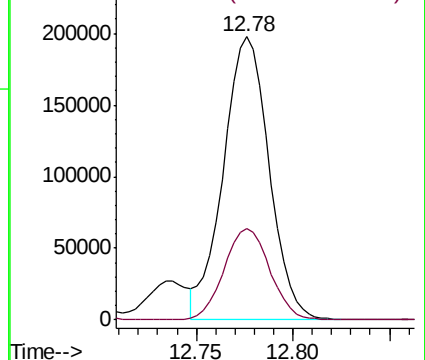
91 100

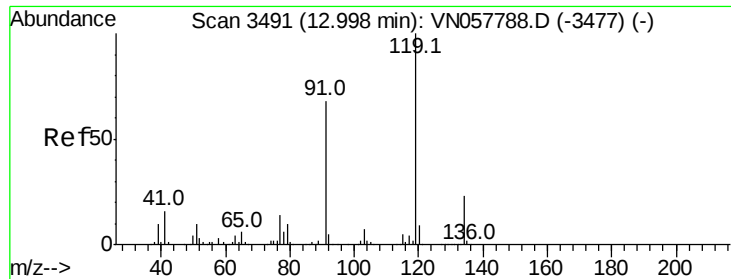
126 32.3 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

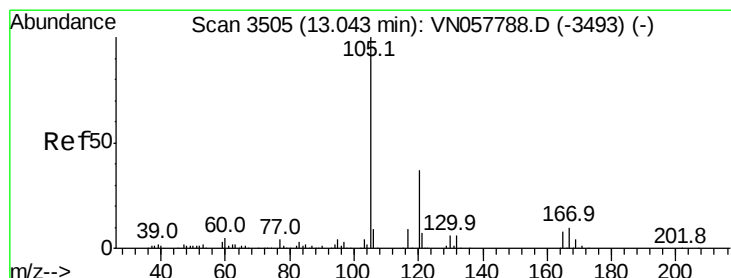
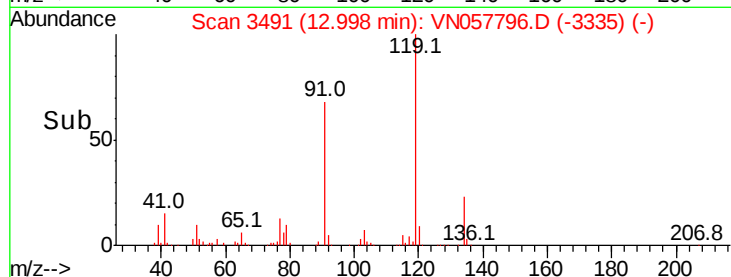
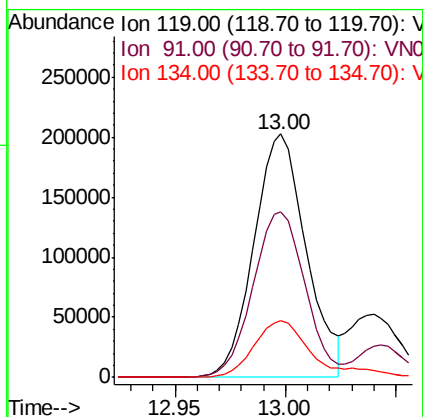
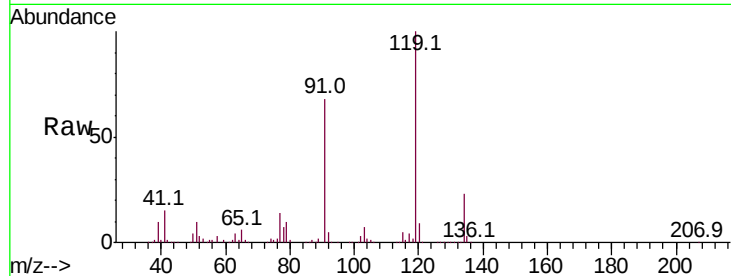




#79
tert-butylbenzene
Concen: 20.159 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

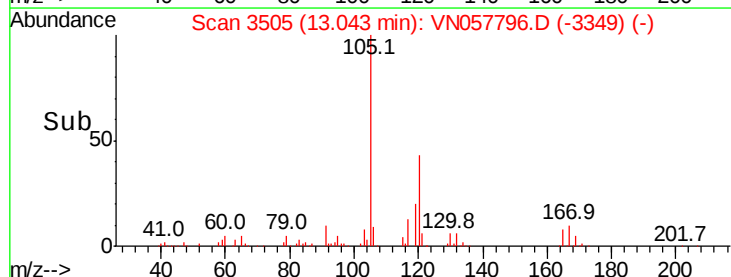
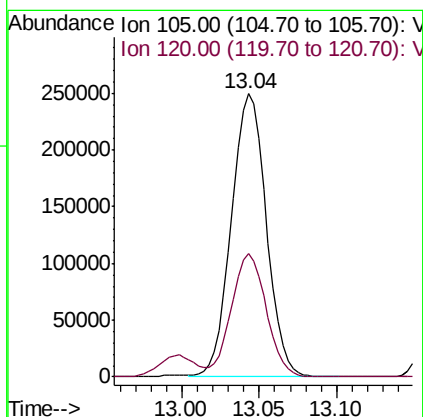
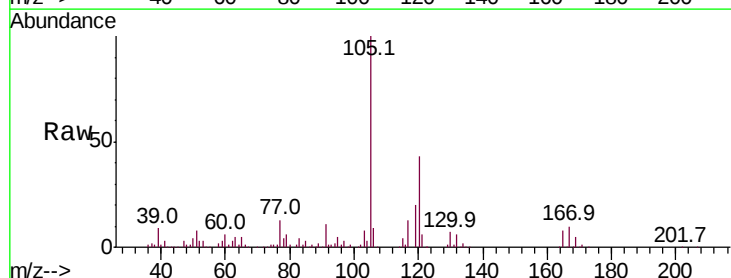
Instrument :
MSVOA_N
ClientSampleId :

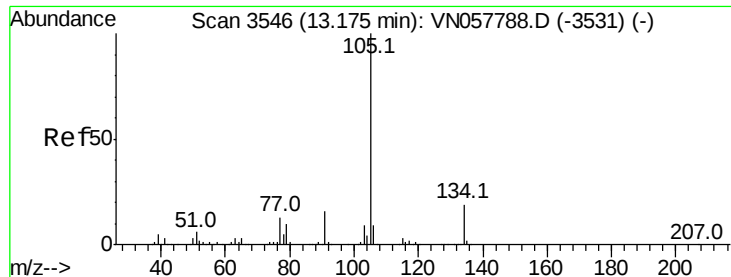
Tot Ion:119 Resp: 334293
Ion Ratio Lower Upper
119 100
91 67.9 0.0 133.8
134 23.9 0.0 46.4



#80
1,2,4-Trimethylbenzene
Concen: 20.652 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion:105 Resp: 391139
Ion Ratio Lower Upper
105 100
120 43.8 0.0 87.8

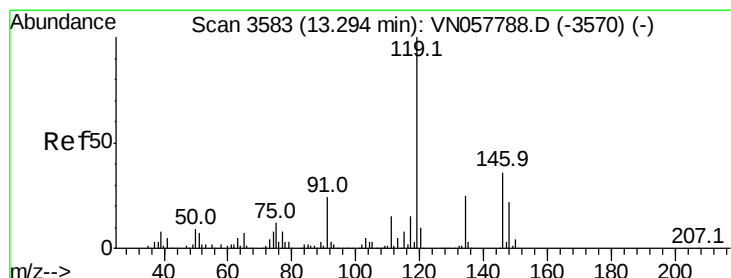
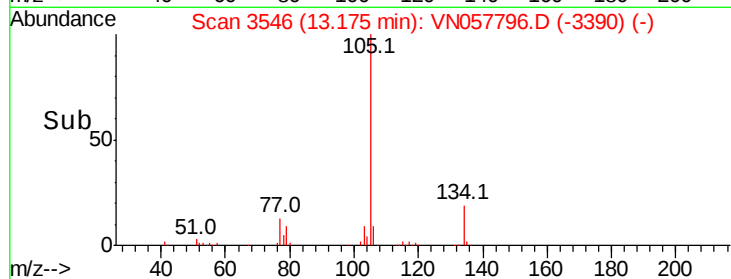
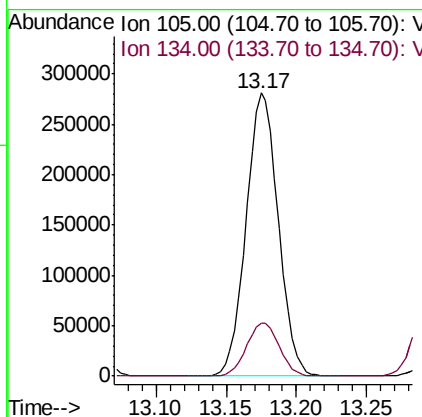
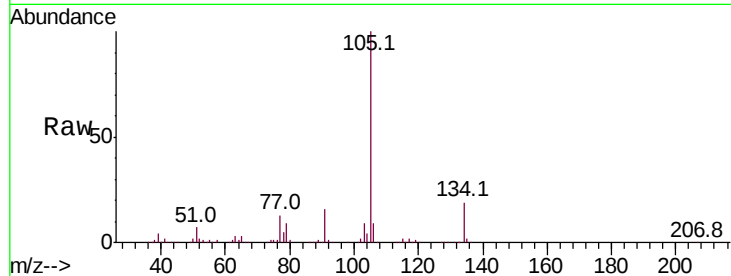




#81
 sec-Butylbenzene
 Concen: 20.403 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

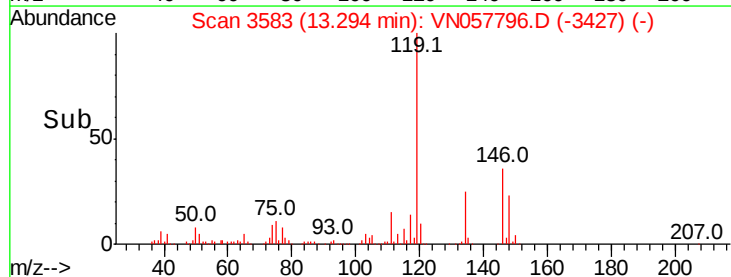
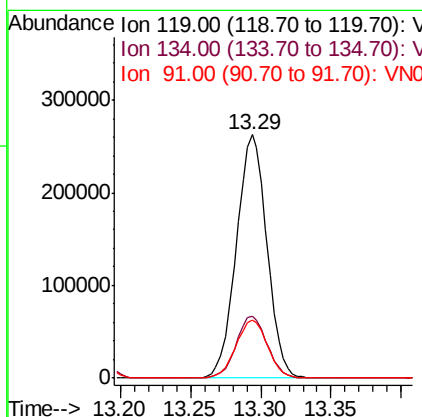
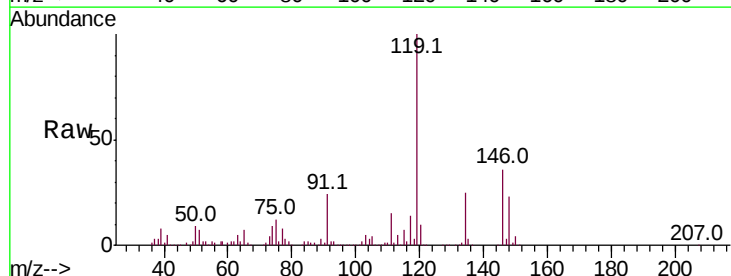
Instrument :
 MSVOA_N
 ClientSampled :

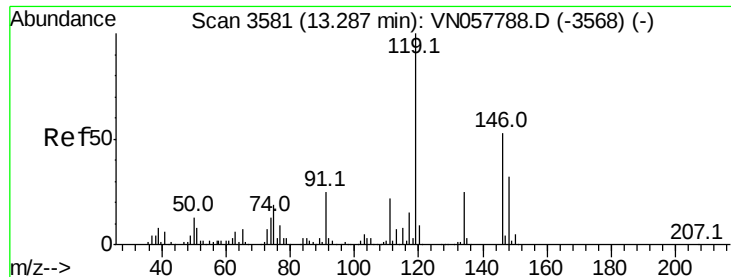
Tot Ion:105 Resp: 448907
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 37.6



#82
 p-Isopropyltoluene
 Concen: 20.245 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion:119 Resp: 398912
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 50.4
 91 24.7 0.0 48.8

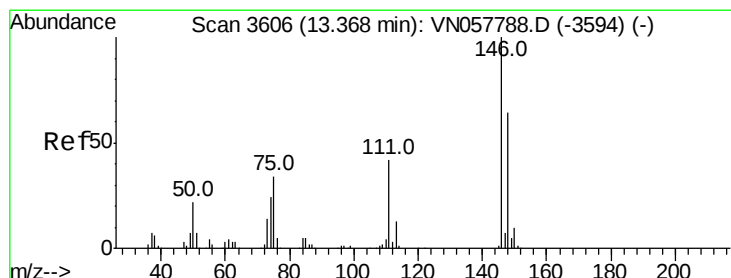
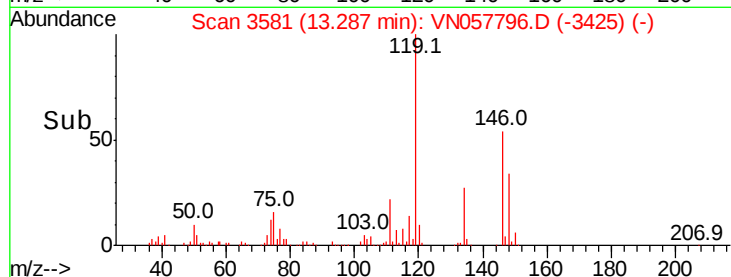
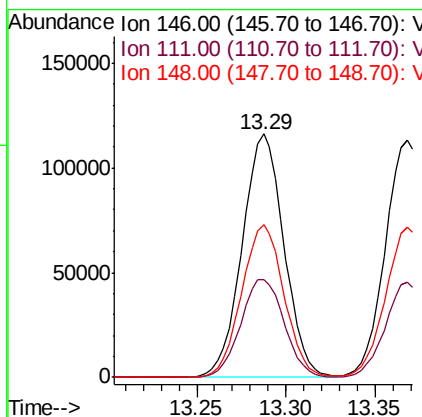
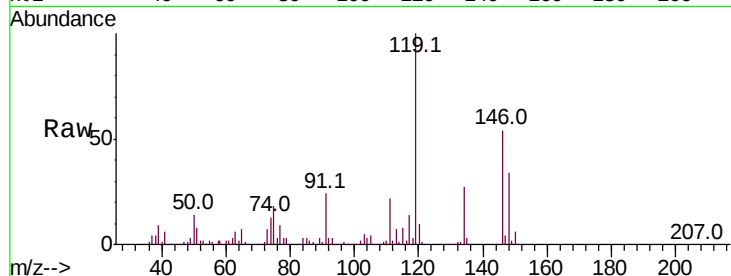




#83
 1,3-Dichlorobenzene
 Concen: 19.128 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

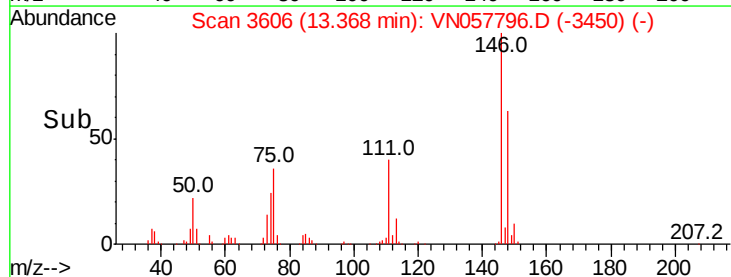
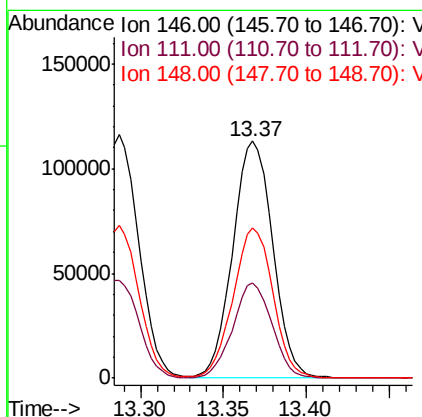
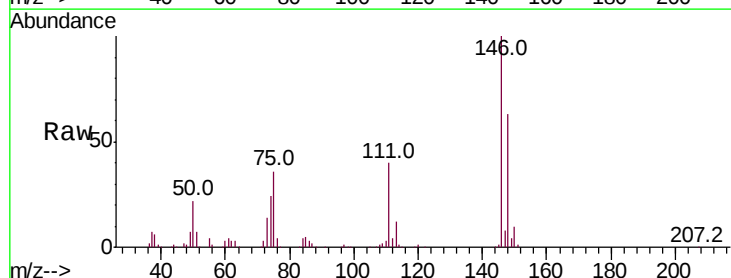
Instrument :
 MSVOA_N
 ClientSampleId :

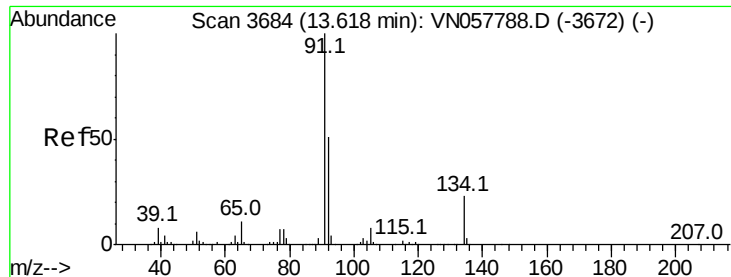
Tot Ion:146 Resp: 190005
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.7 62.1
 148 63.4 30.9 92.5



#84
 1,4-Dichlorobenzene
 Concen: 19.327 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion:146 Resp: 189012
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.1 63.4
 148 62.8 31.7 95.1

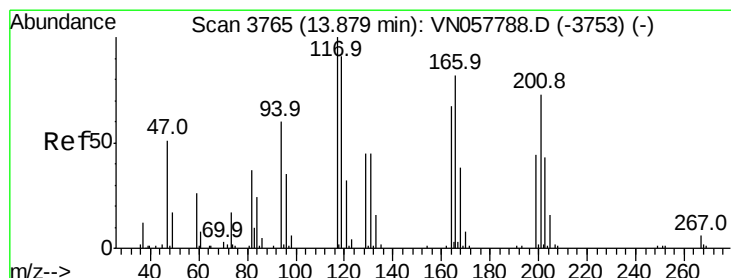
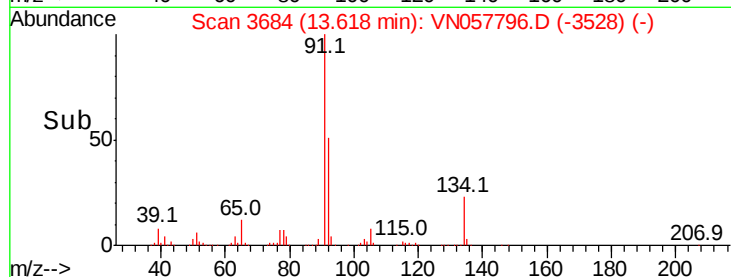
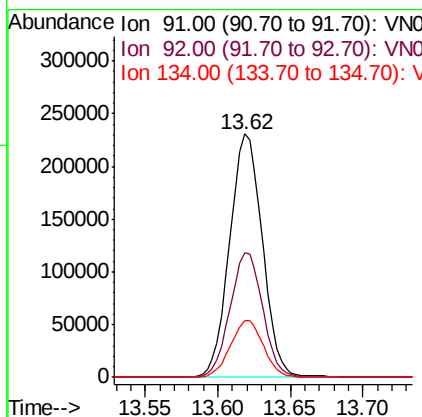
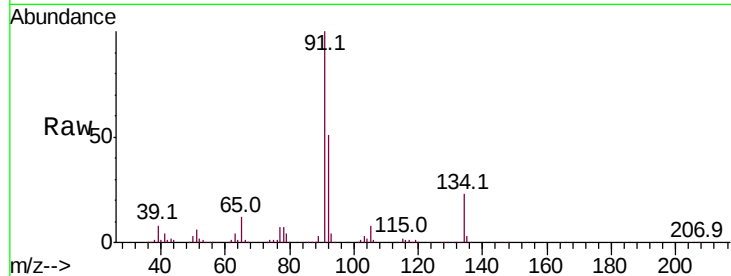




#85
n-Butylbenzene
Concen: 19.731 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

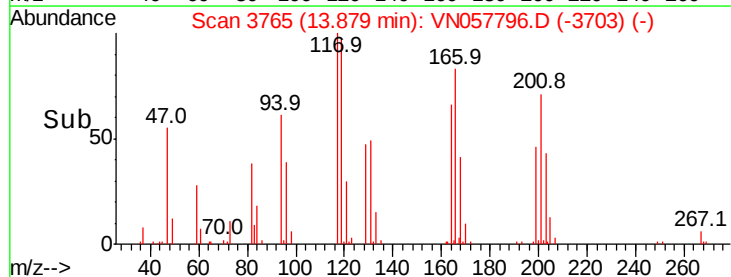
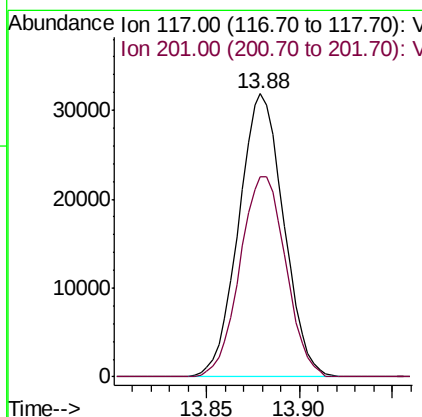
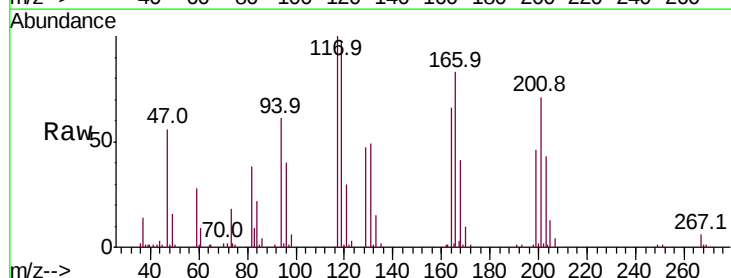
Instrument :
MSVOA_N
ClientSampled :

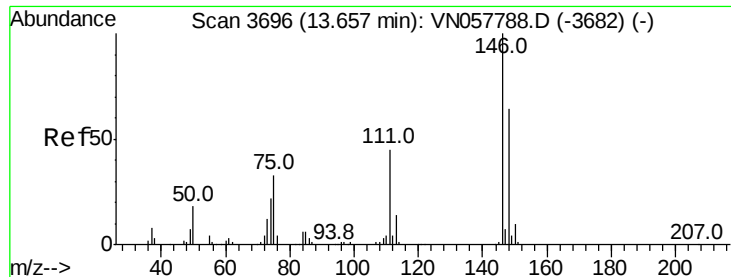
Tot Ion: 91 Resp: 362327
Ion Ratio Lower Upper
91 100
92 51.0 0.0 100.0
134 23.6 0.0 46.6



#86
Hexachloroethane
Concen: 17.089 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057796.D
Acq: 9 Sep 2019 12:52

Tgt Ion: 117 Resp: 53634
Ion Ratio Lower Upper
117 100
201 72.1 36.7 110.1

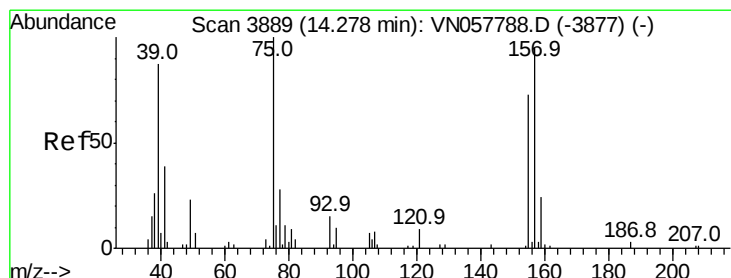
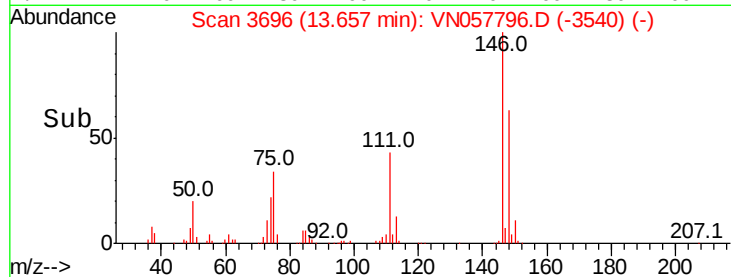
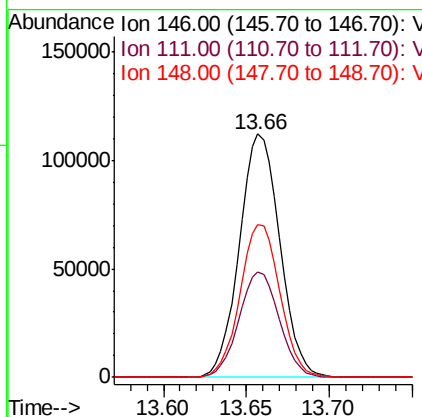
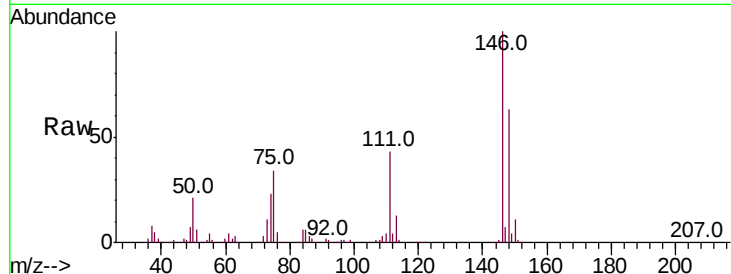




#87
 1,2-Dichlorobenzene
 Concen: 19.818 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

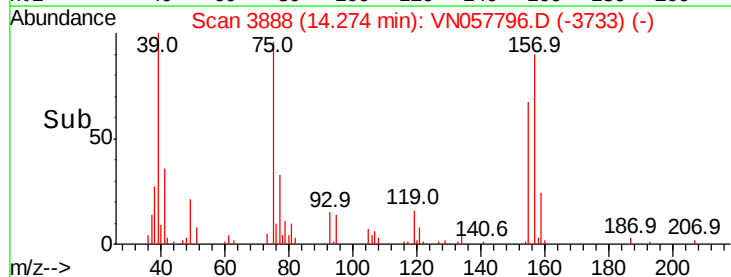
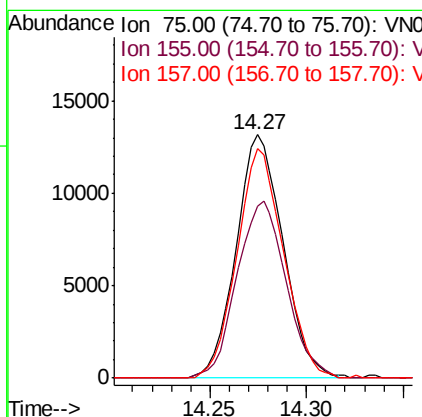
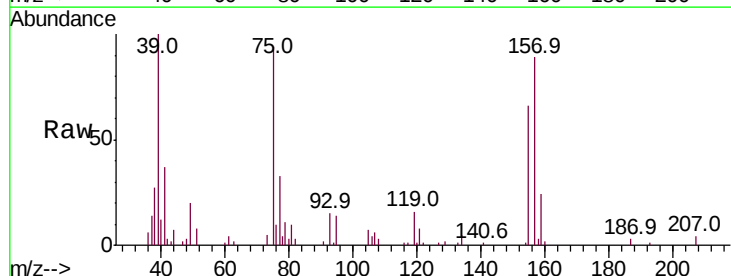
Instrument :
 MSVOA_N
 ClientSampleId :

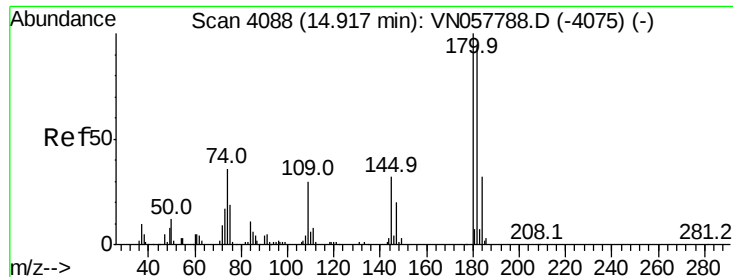
Tot Ion:146 Resp: 191093
 Ion Ratio Lower Upper
 146 100
 111 43.0 22.2 66.6
 148 62.2 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.068 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion: 75 Resp: 22193
 Ion Ratio Lower Upper
 75 100
 155 76.2 59.4 89.2
 157 93.7 74.6 112.0

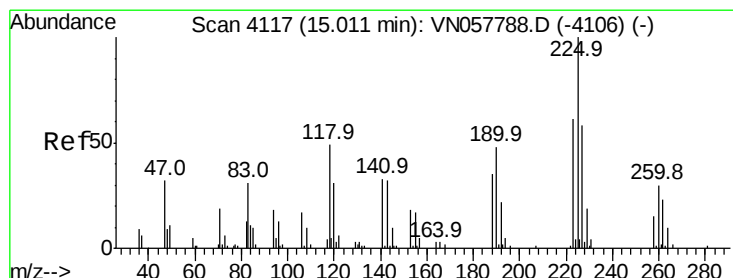
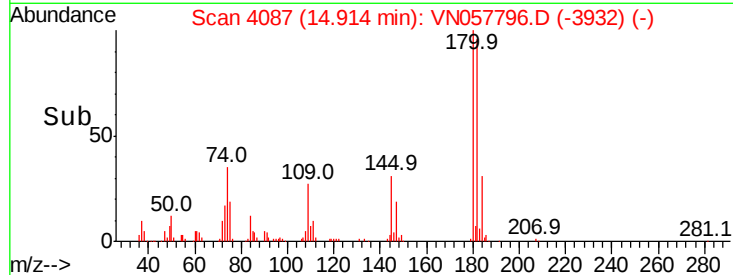
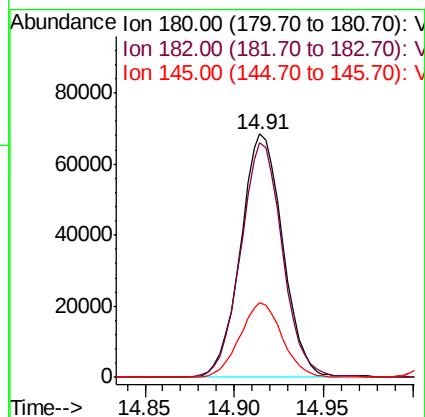
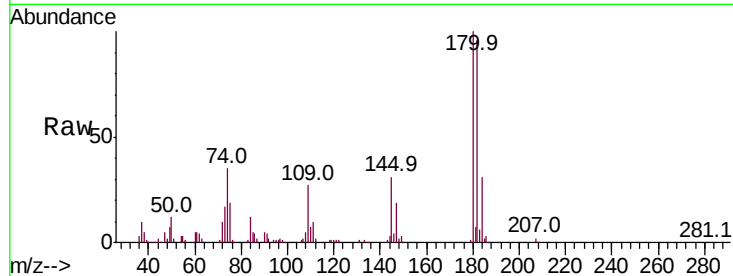




#89
 1,2,4-Trichlorobenzene
 Concen: 19.122 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

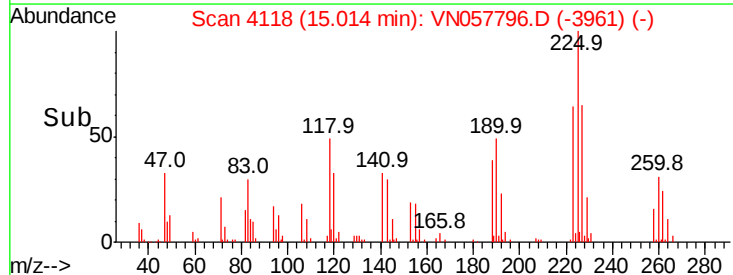
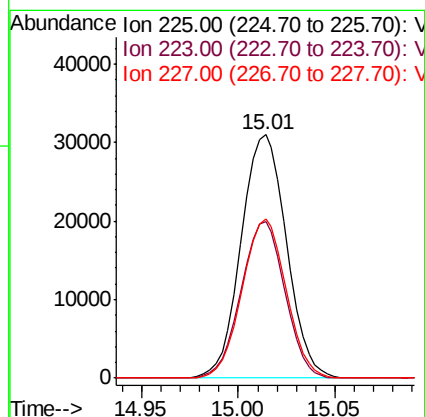
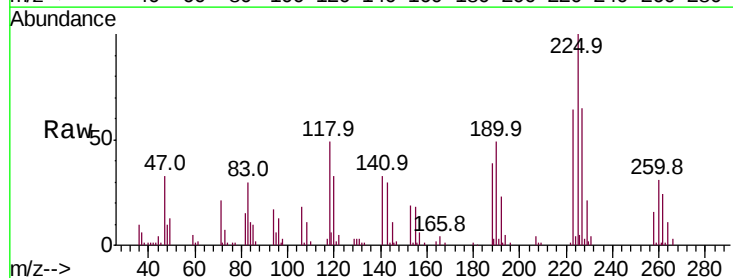
Instrument :
 MSVOA_N
 ClientSampled :

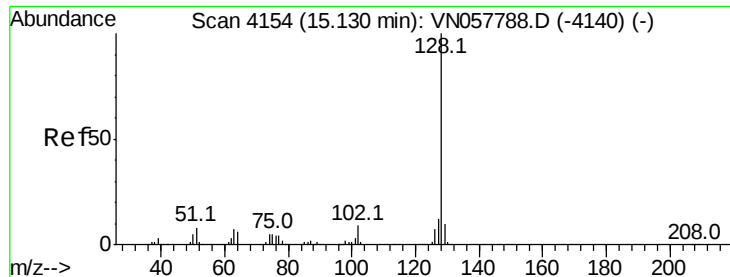
Tot Ion:180 Resp: 112631
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.0 115.4
 145 30.9 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 18.693 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057796.D
 Acq: 9 Sep 2019 12:52

Tgt Ion:225 Resp: 50568
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 125.0
 227 63.5 0.0 123.8





#91

Naphthalene

Concen: 19.805 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

Instrument :

MSVOA_N

ClientSampled :

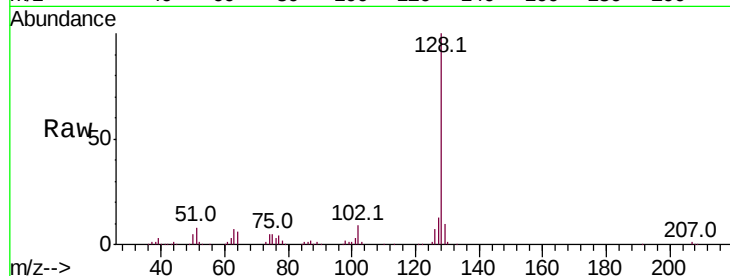
Tot Ion:128 Resp: 320980

Ion Ratio Lower Upper

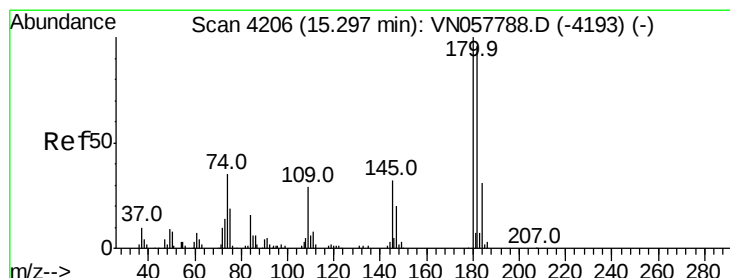
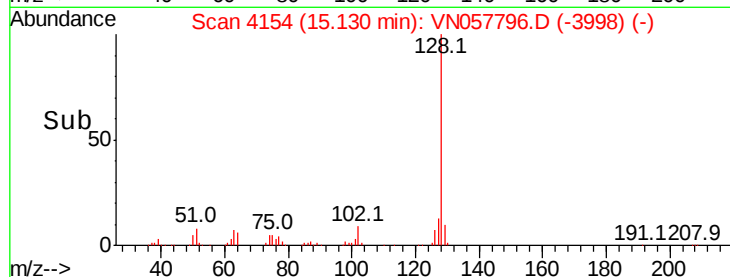
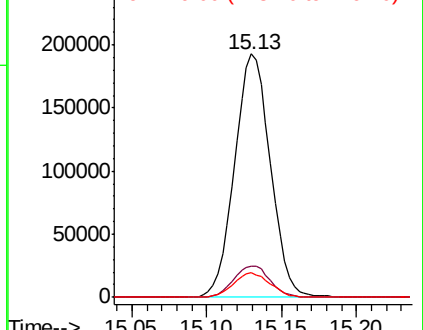
128 100

127 13.2 9.9 14.9

129 10.3 8.1 12.1



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



#92

1,2,3-Trichlorobenzene

Concen: 19.280 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057796.D

Acq: 9 Sep 2019 12:52

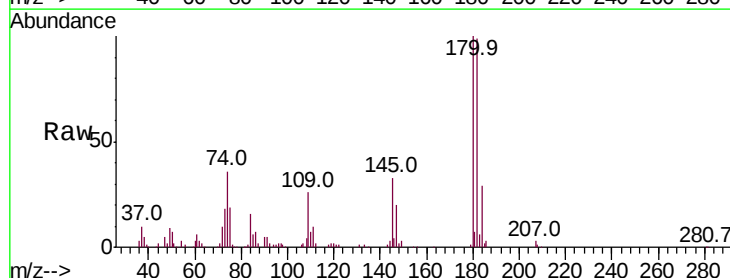
Tgt Ion:180 Resp: 108302

Ion Ratio Lower Upper

180 100

182 95.9 0.0 189.8

145 32.6 0.0 65.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

