

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091519\
 Data File : VN058101.D
 Acq On : 15 Sep 2019 18:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 03:43:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	324068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	527049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	511828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	320035	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	358763	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
35) Dibromofluoromethane	7.57	113	260911	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
50) Toluene-d8	10.08	98	1041190	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
62) 4-Bromofluorobenzene	12.40	95	387703	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	231477	51.649	ug/l	99
3) Chloromethane	2.04	50	191098	41.836	ug/l	97
4) Vinyl Chloride	2.17	62	199677	41.303	ug/l	99
5) Bromomethane	2.54	94	128504	48.320	ug/l	98
6) Chloroethane	2.68	64	135641	44.031	ug/l	99
7) Trichlorofluoromethane	3.00	101	282195	46.384	ug/l	99
8) Diethyl Ether	3.39	74	130724	51.517	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	206090	53.698	ug/l	98
10) Methyl Iodide	3.93	142	205760	48.178	ug/l	99
11) Tert butyl alcohol	4.76	59	190648	239.983	ug/l	100
12) 1,1-Dichloroethene	3.72	96	167101	48.425	ug/l	95
13) Acrolein	3.58	56	68537	101.689	ug/l	97
14) Allyl chloride	4.30	41	328588	48.657	ug/l	99
15) Acrylonitrile	4.96	53	586150	268.440	ug/l	99
16) Acetone	3.79	43	493568	229.384	ug/l	99
17) Carbon Disulfide	4.03	76	234212	43.629	ug/l	99
18) Methyl Acetate	4.30	43	330502	57.608	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	781801	54.440	ug/l	99
20) Methylene Chloride	4.53	84	229112	56.082	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	184862	49.557	ug/l	98
22) Diisopropyl ether	5.93	45	874549	55.223	ug/l	98
23) Vinyl Acetate	5.87	43	3122177	278.182	ug/l	100
24) 1,1-Dichloroethane	5.83	63	464689	53.689	ug/l	100
25) 2-Butanone	6.81	43	797474	256.069	ug/l	98
26) 2,2-Dichloropropane	6.81	77	293851	42.901	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	260995	52.209	ug/l	99
28) Bromochloromethane	7.18	49	228502	52.845	ug/l	98
29) Tetrahydrofuran	7.19	42	516750	269.276	ug/l	98
30) Chloroform	7.36	83	486977	53.811	ug/l	98
31) Cyclohexane	7.64	56	316371	53.809	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	387771	54.027	ug/l	99
36) 1,1-Dichloropropene	7.78	75	300891	49.227	ug/l	99
37) Ethyl Acetate	6.91	43	327834	51.912	ug/l	100
38) Carbon Tetrachloride	7.76	117	304637	54.589	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	318307	49.538	ug/l	99
40) Benzene	8.03	78	952504	51.760	ug/l	99
41) Methacrylonitrile	7.19	41	496917	173.342	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	400487	54.416	ug/l	99
43) Isopropyl Acetate	8.15	43	612764	57.698	ug/l	98
44) Trichloroethene	8.82	130	236790	52.462	ug/l	97
45) 1,2-Dichloropropane	9.11	63	293003	54.718	ug/l	100
46) Dibromomethane	9.20	93	178643	55.208	ug/l	100
47) Bromodichloromethane	9.40	83	369713	57.217	ug/l	96
48) Methyl methacrylate	9.19	41	289997	53.830	ug/l	99
49) 1,4-Dioxane	9.19	88	86172	945.876	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1813796	288.606	ug/l	100
52) Toluene	10.15	92	623992	53.837	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	379588	55.786	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	407673	54.266	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	274156	55.841	ug/l	99
56) Ethyl methacrylate	10.43	69	405249	54.813	ug/l	99
57) 1,3-Dichloropropane	10.71	76	469657	55.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	866813	248.928	ug/l	100
59) 2-Hexanone	10.75	43	1279554	271.632	ug/l	99
60) Dibromochloromethane	10.90	129	269957	59.214	ug/l	100
61) 1,2-Dibromoethane	11.00	107	256919	55.352	ug/l	99
64) Tetrachloroethene	10.63	164	197141	52.166	ug/l	99
65) Chlorobenzene	11.43	112	703612	52.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	261769	56.319	ug/l	99
67) Ethyl Benzene	11.51	91	1273165	54.235	ug/l	100
68) m/p-Xylenes	11.62	106	930409	108.201	ug/l	99
69) o-Xylene	11.95	106	464425	54.328	ug/l	97
70) Styrene	11.97	104	828461	56.312	ug/l	99
71) Bromoform	12.13	173	170052	58.683	ug/l #	98
73) Isopropylbenzene	12.25	105	1307094	52.634	ug/l	100
74) N-amyl acetate	12.07	43	555532	51.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	426165	50.968	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	505811	69.866	ug/l #	100
77) Bromobenzene	12.53	156	305991	49.421	ug/l	98
78) n-propylbenzene	12.60	91	1548801	54.312	ug/l	100
79) 2-Chlorotoluene	12.68	91	914649	50.748	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1130870	53.895	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	97707	47.492	ug/l	96
82) 4-Chlorotoluene	12.78	91	972403	52.537	ug/l	100
83) tert-Butylbenzene	13.00	119	968996	51.952	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1140438	53.476	ug/l	100
85) sec-Butylbenzene	13.18	105	1345587	54.429	ug/l	100
86) p-Isopropyltoluene	13.29	119	1204556	55.299	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	592614	52.145	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	592689	51.378	ug/l	99
89) n-Butylbenzene	13.62	91	1128850	54.877	ug/l	100
90) Hexachloroethane	13.88	117	177671	54.845	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	591960	52.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	77177	55.891	ug/l	99

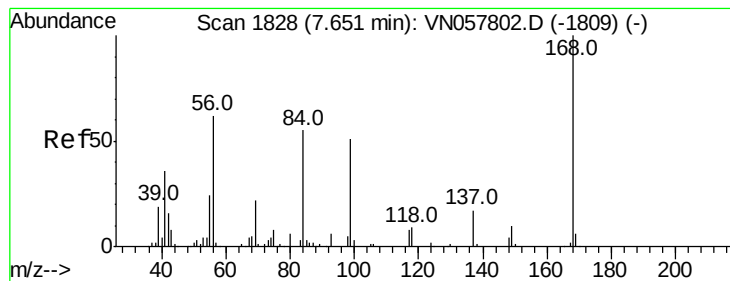
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	387472	52.213	ug/l	100
94) Hexachlorobutadiene	15.01	225	185100	58.840	ug/l	98
95) Naphthalene	15.13	128	1035836	55.461	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	365631	56.308	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

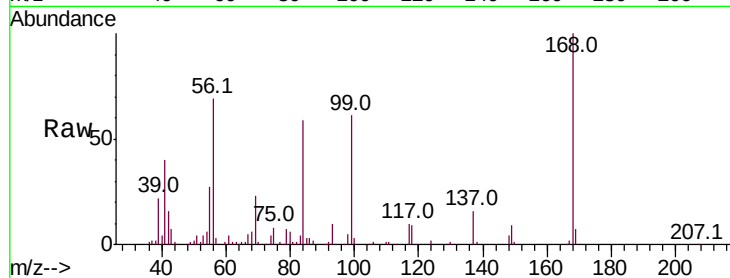
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 324068

Ion Ratio Lower Upper

168 100

99 60.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

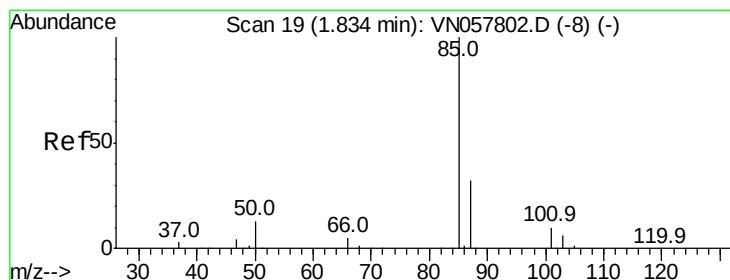
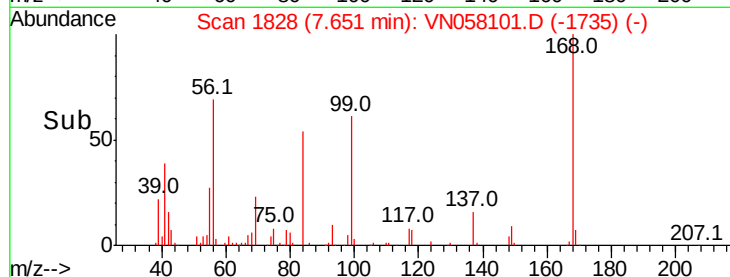
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.649 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058101.D

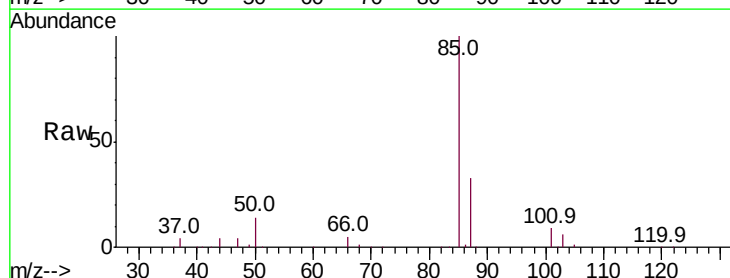
Acq: 15 Sep 2019 18:41

Tgt Ion: 85 Resp: 231477

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

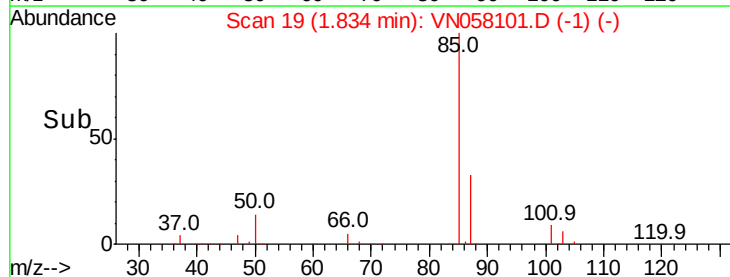
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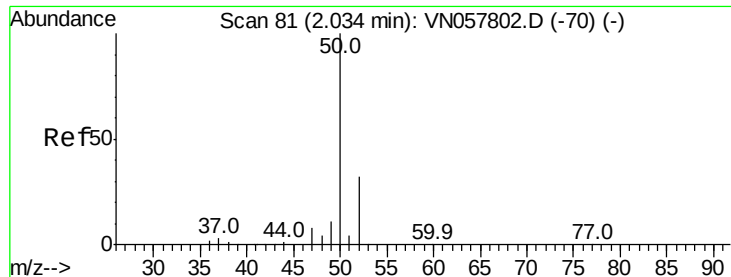
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 41.836 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

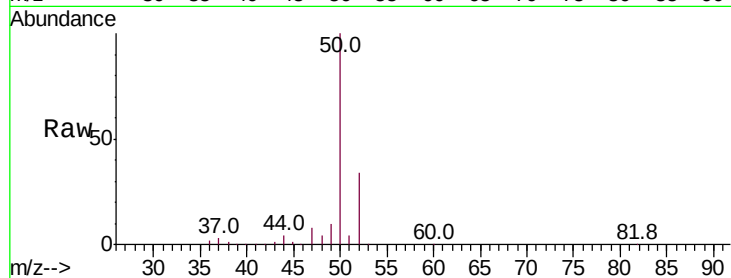
ClientSampleId :

Tot Ion: 50 Resp: 191098

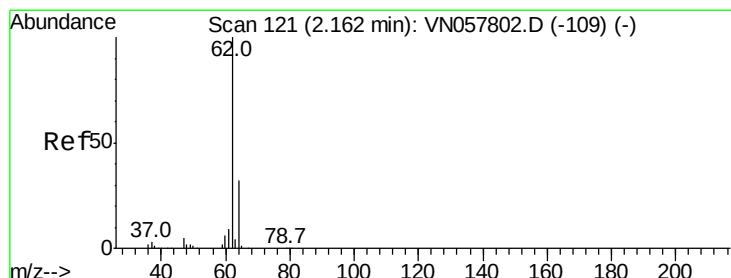
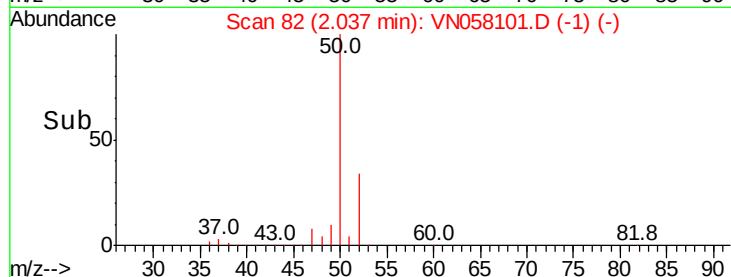
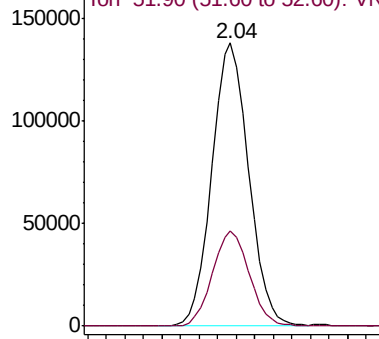
Ion Ratio Lower Upper

50 100

52 33.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 41.303 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058101.D

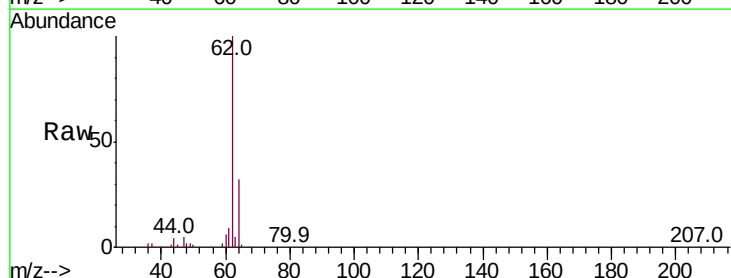
Acq: 15 Sep 2019 18:41

Tgt Ion: 62 Resp: 199677

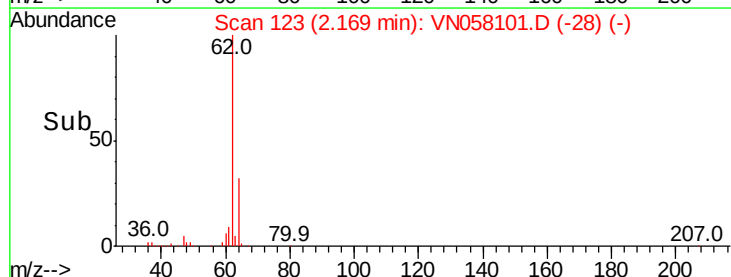
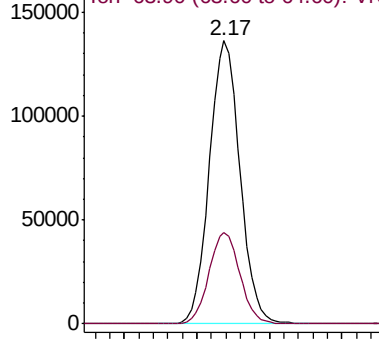
Ion Ratio Lower Upper

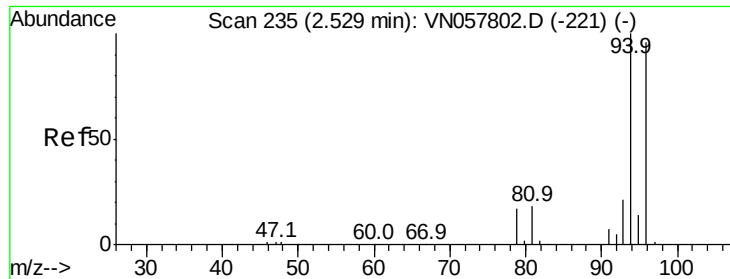
62 100

64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.320 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

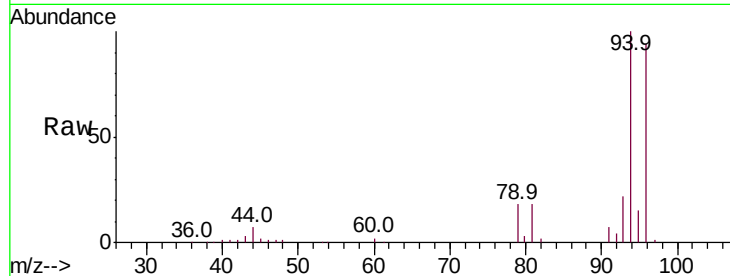
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 128504

Ion Ratio Lower Upper

94 100

96 93.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN058101.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN058101.D (-141) (-)

2.54

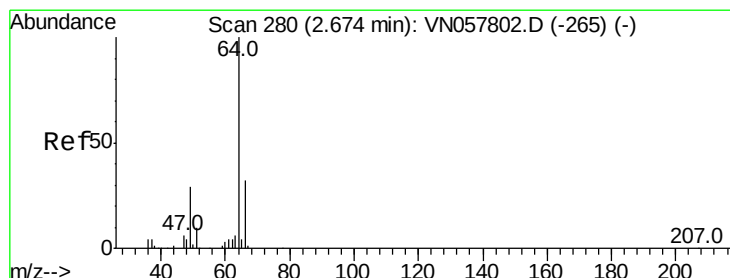
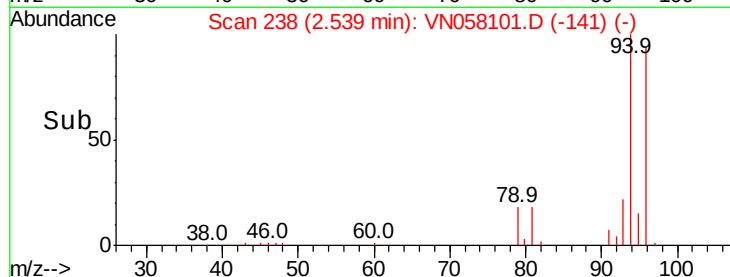
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 44.031 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058101.D

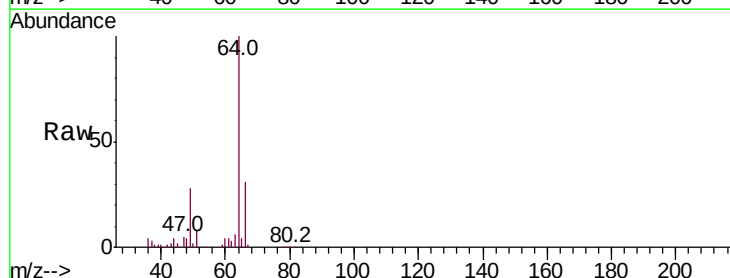
Acq: 15 Sep 2019 18:41

Tgt Ion: 64 Resp: 135641

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN058101.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN058101.D (-187) (-)

80000

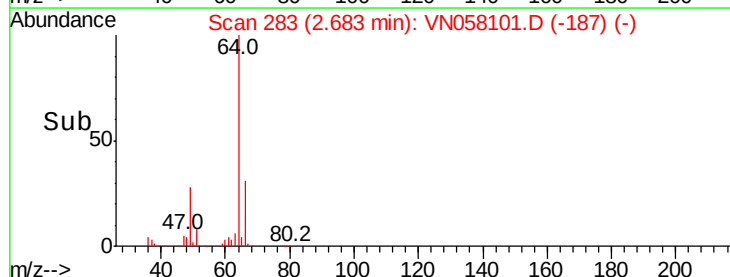
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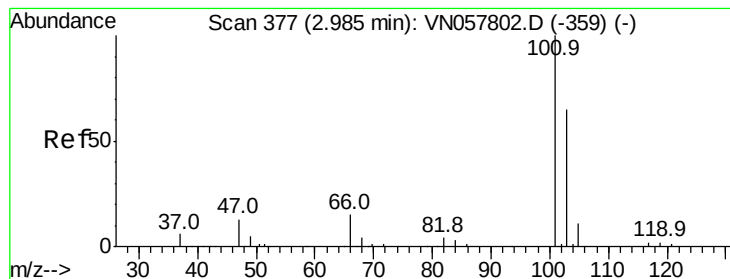
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20000

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Time-->



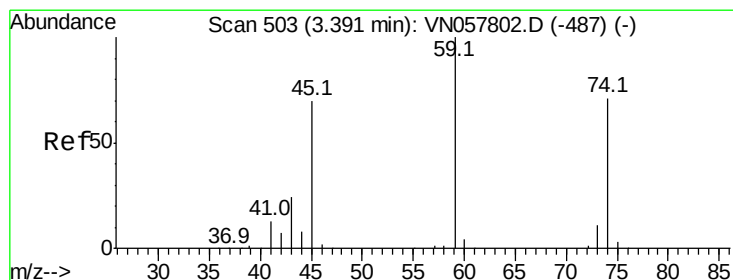
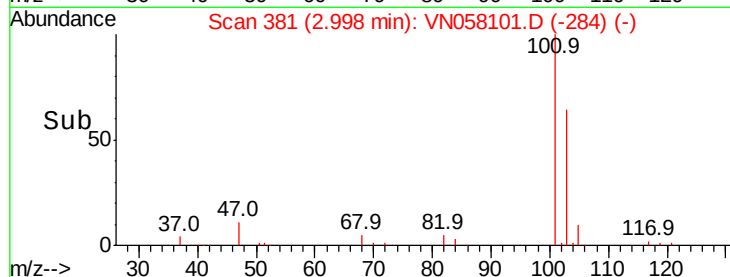
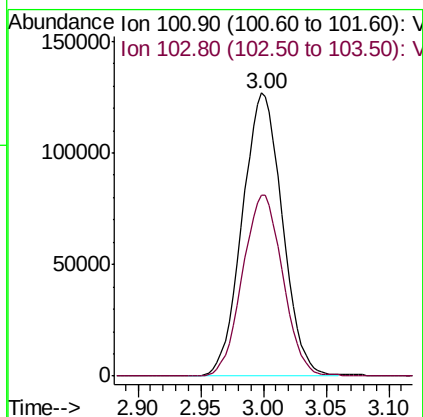
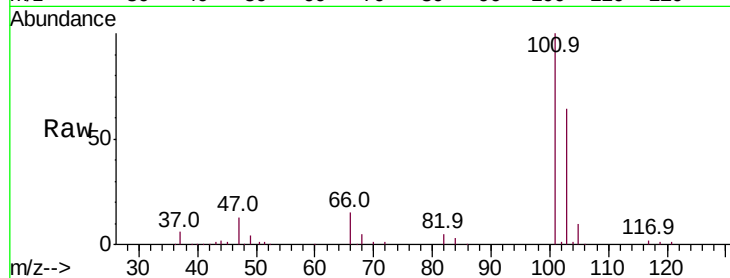


#7

Trichlorofluoromethane
 Concen: 46.384 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :

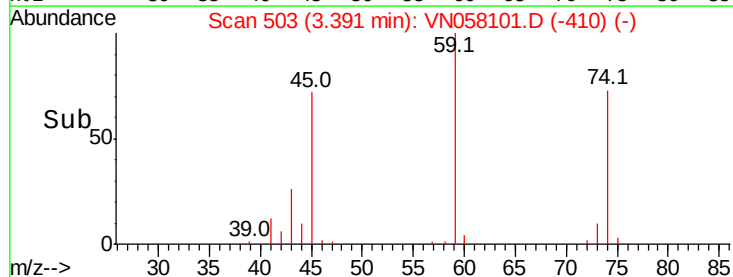
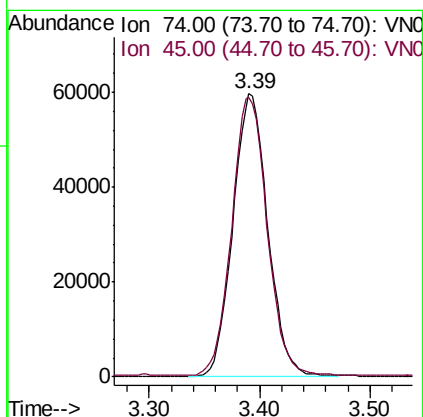
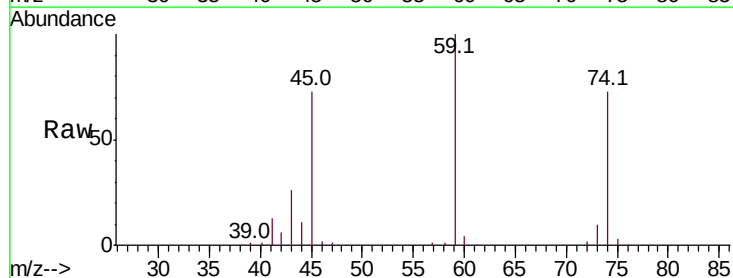
Tot Ion:101 Resp: 282195
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.9 77.9

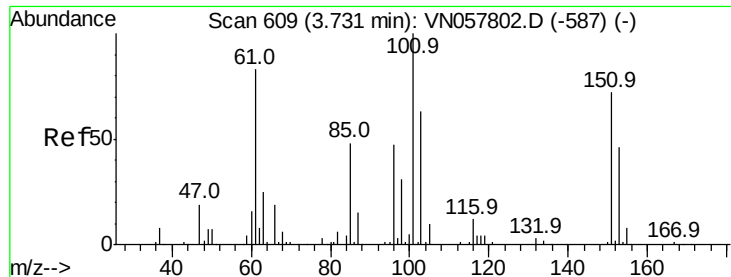


#8

Diethyl Ether
 Concen: 51.517 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 74 Resp: 130724
 Ion Ratio Lower Upper
 74 100
 45 99.4 50.3 151.0

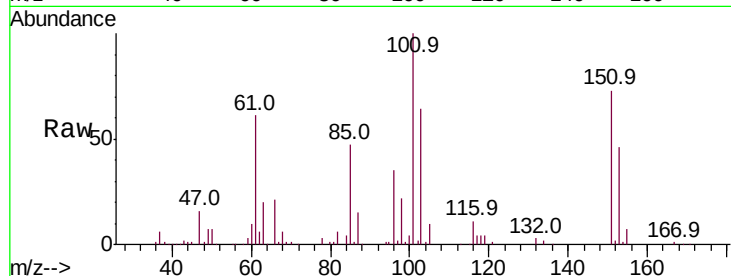




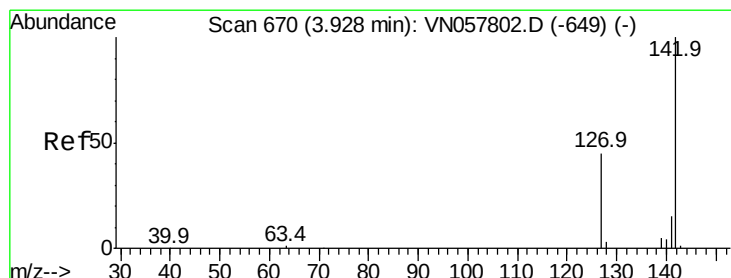
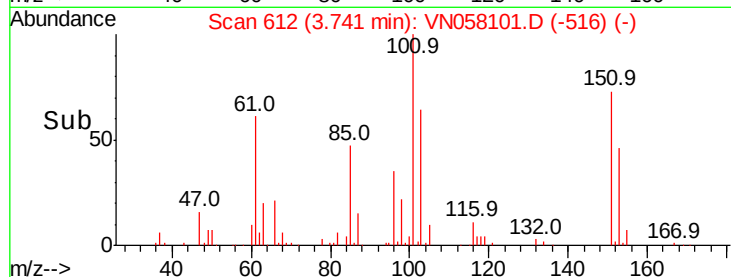
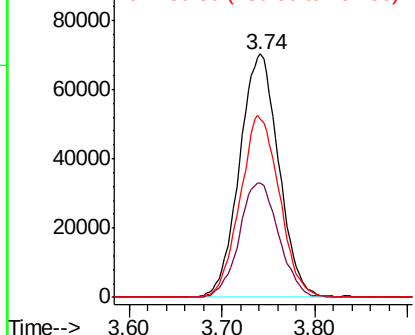
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.698 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.1	57.1
151	74.9	58.4	87.6

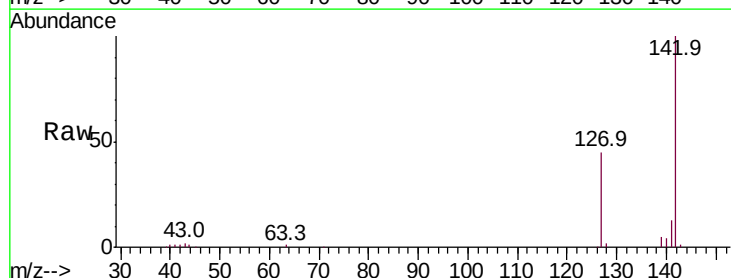


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

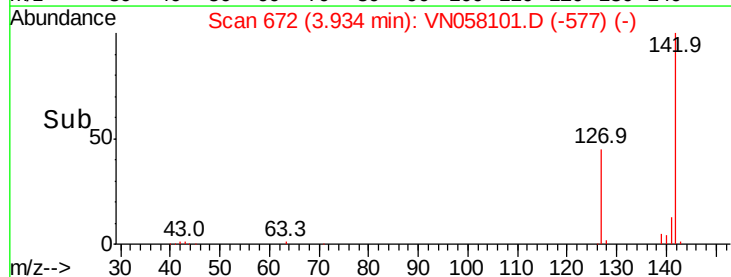
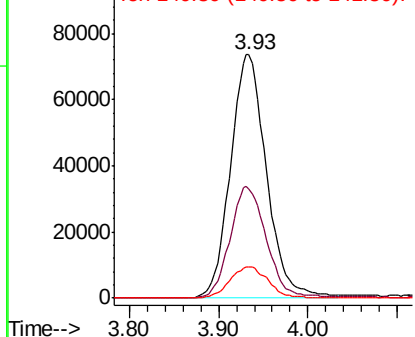


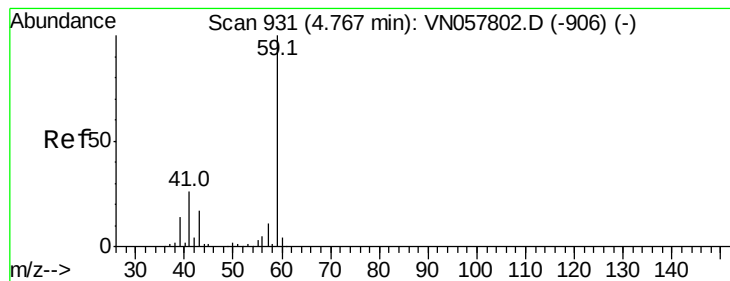
#10
 Methyl Iodide
 Concen: 48.178 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.3	36.7	55.1
141	13.5	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



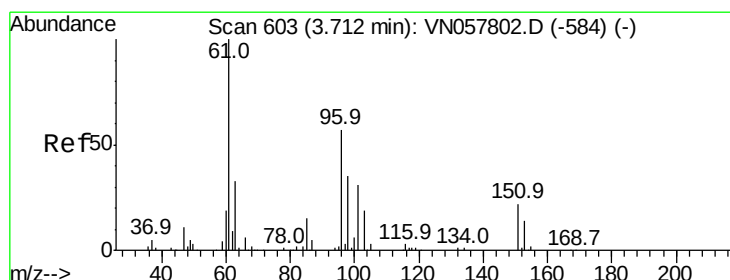
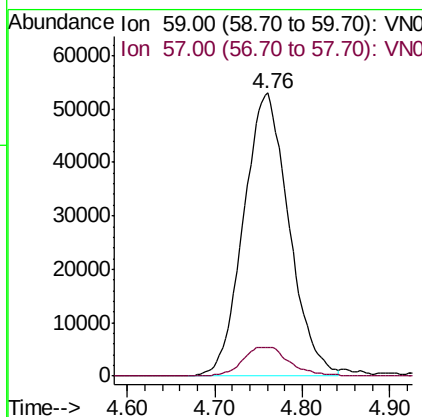
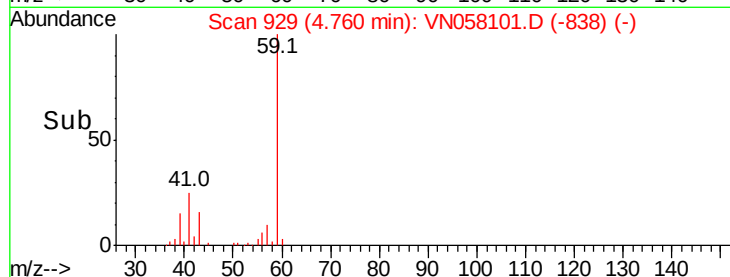
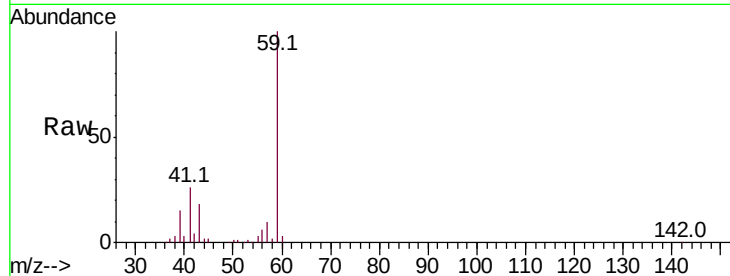


#11

Tert butyl alcohol
 Concen: 239.983 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampled :

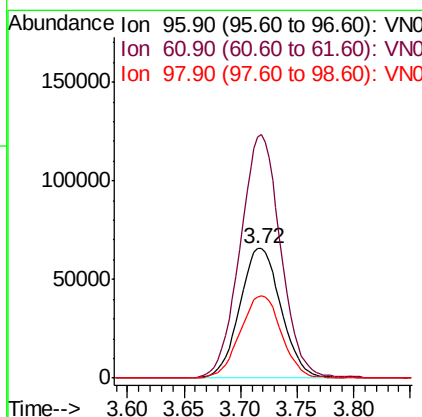
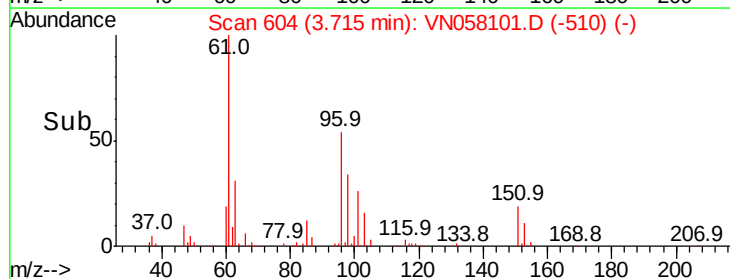
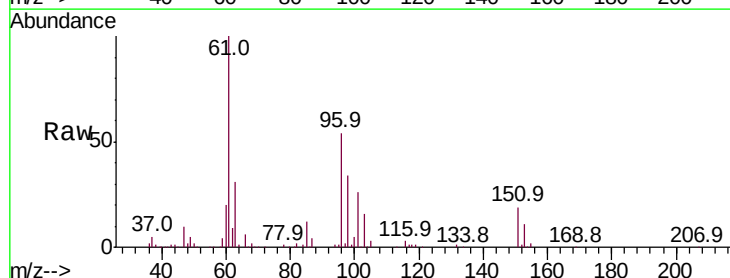
Tot Ion: 59 Resp: 190648
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

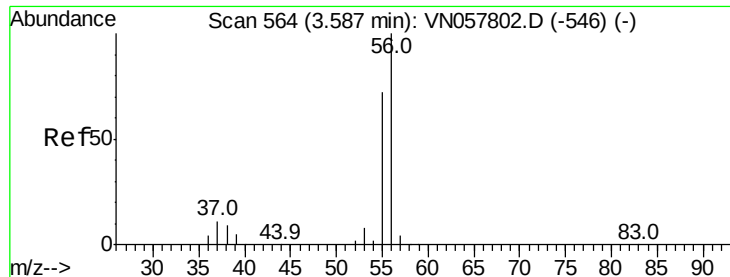


#12

1,1-Dichloroethene
 Concen: 48.425 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 96 Resp: 167101
 Ion Ratio Lower Upper
 96 100
 61 186.3 141.2 211.8
 98 63.0 49.9 74.9





#13

Acrolein

Concen: 101.689 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

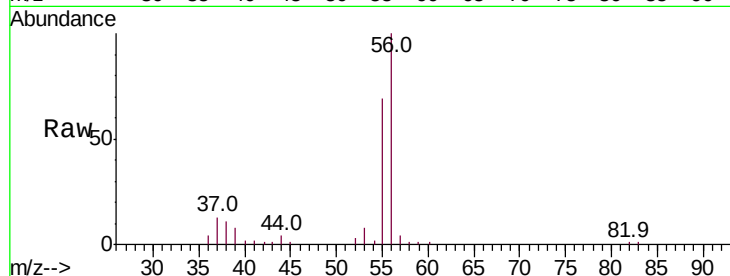
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 68537

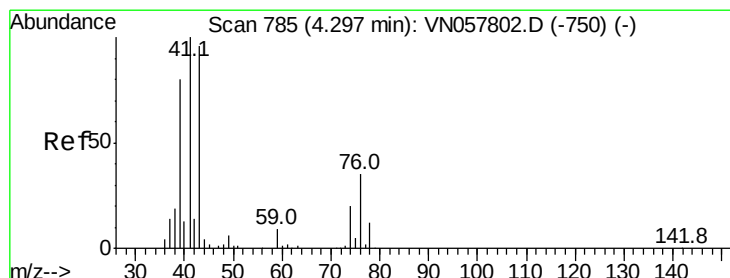
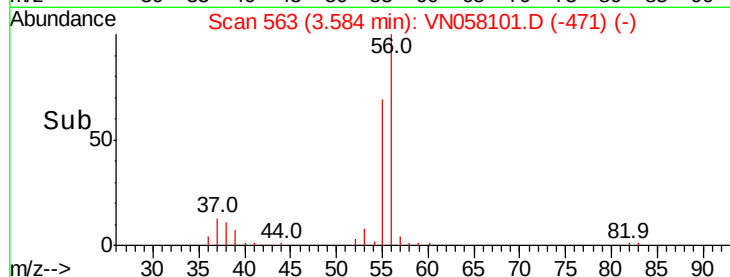
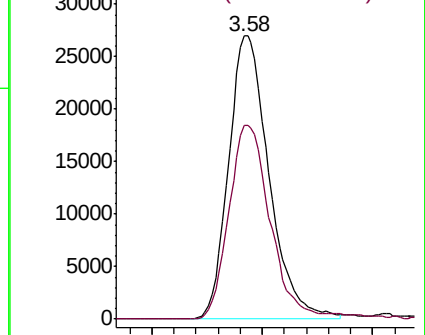
Ion Ratio Lower Upper

56 100

55 69.5 57.3 85.9



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



#14

Allyl chloride

Concen: 48.657 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

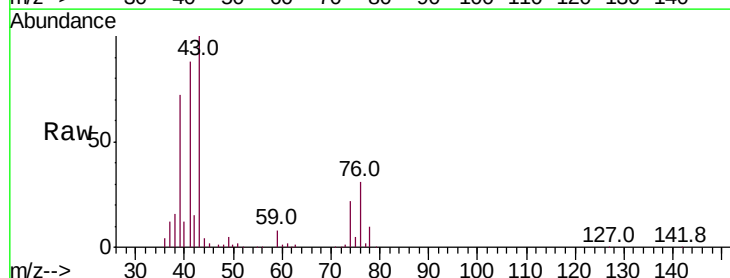
Tgt Ion: 41 Resp: 328588

Ion Ratio Lower Upper

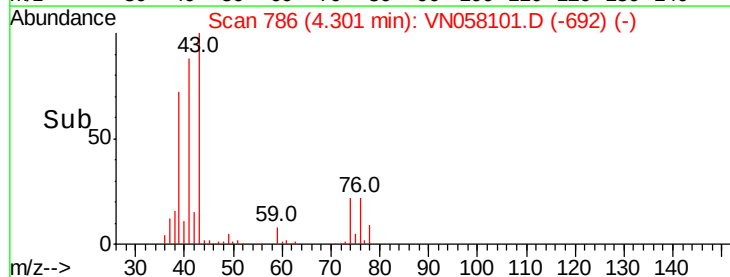
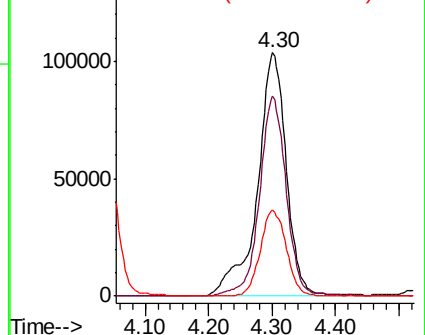
41 100

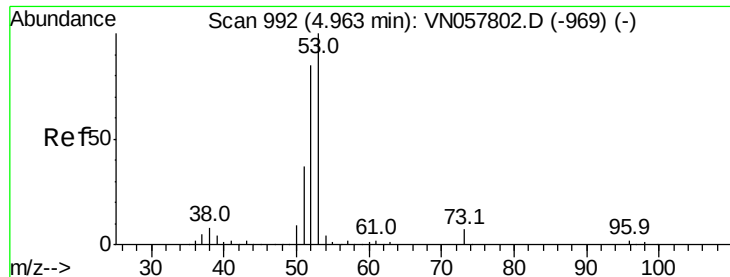
39 75.5 59.4 89.2

76 31.7 26.0 39.0



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





#15

Acrylonitrile

Concen: 268.440 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :

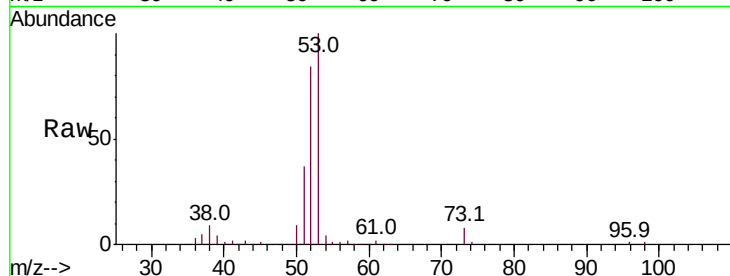
Tot Ion: 53 Resp: 586150

Ion Ratio Lower Upper

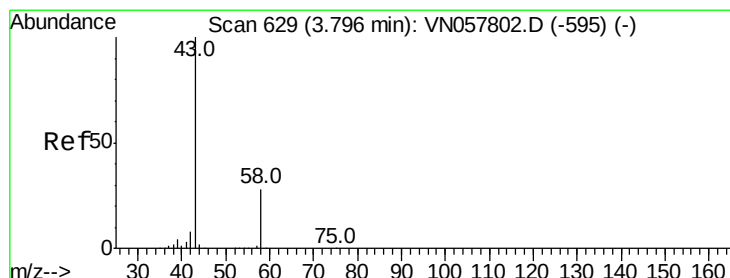
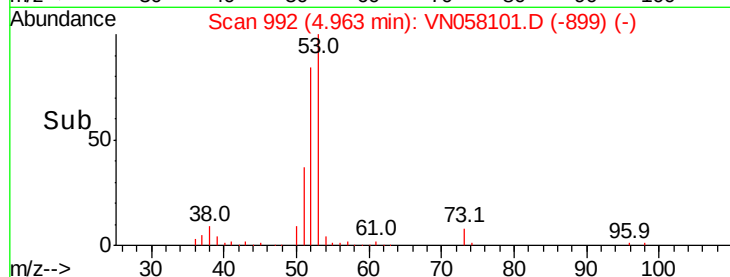
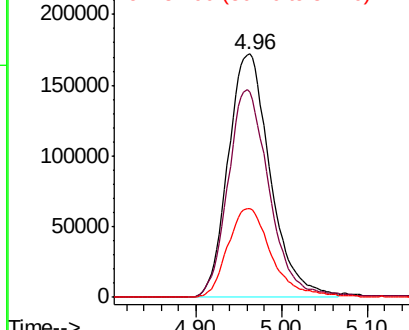
53 100

52 83.8 66.6 100.0

51 37.9 29.8 44.8



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



#16

Acetone

Concen: 229.384 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058101.D

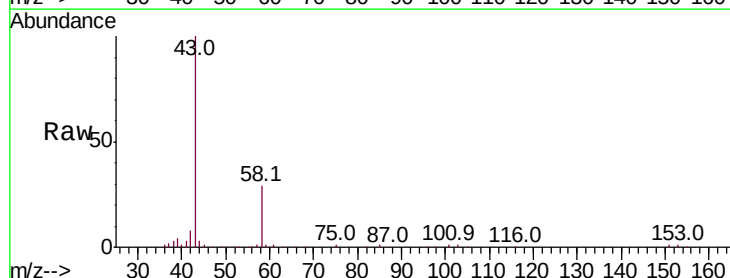
Acq: 15 Sep 2019 18:41

Tgt Ion: 43 Resp: 493568

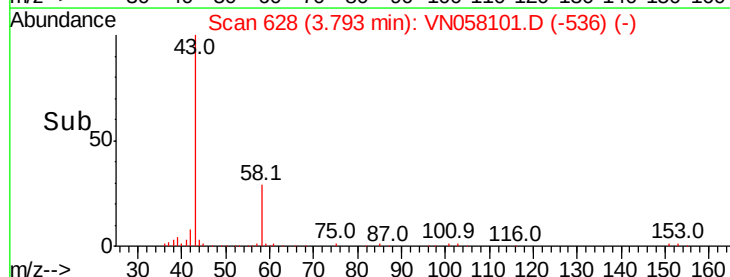
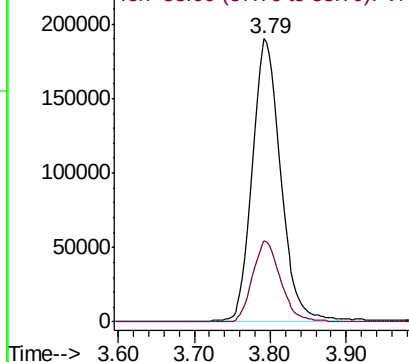
Ion Ratio Lower Upper

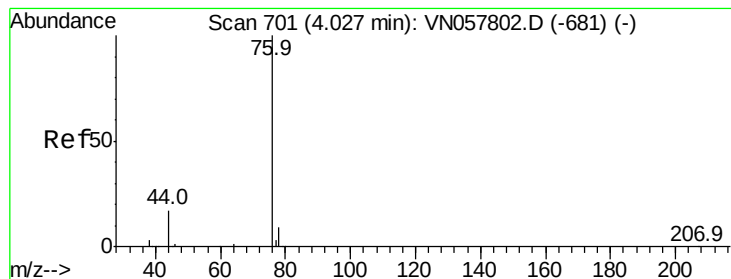
43 100

58 28.4 22.2 33.2



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





#17

Carbon Disulfide

Concen: 43.629 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

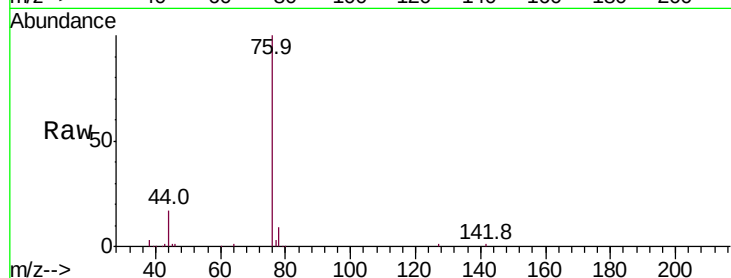
ClientSampled :

Tot Ion: 76 Resp: 234212

Ion Ratio Lower Upper

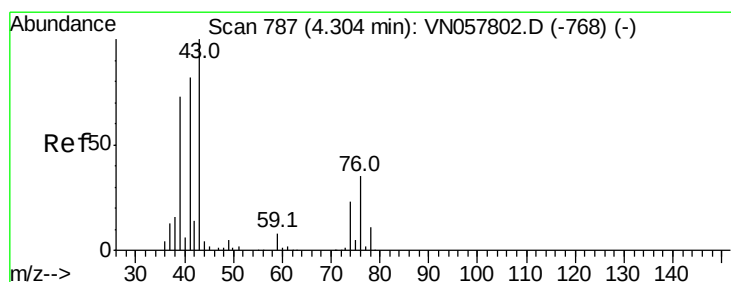
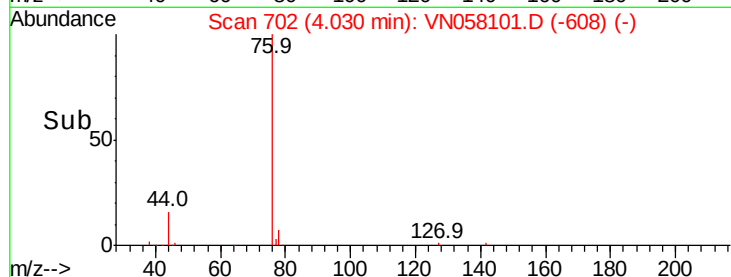
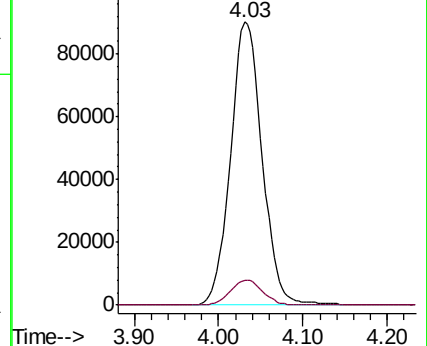
76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 57.608 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058101.D

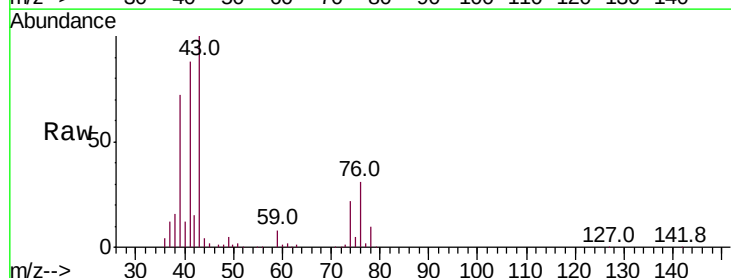
Acq: 15 Sep 2019 18:41

Tgt Ion: 43 Resp: 330502

Ion Ratio Lower Upper

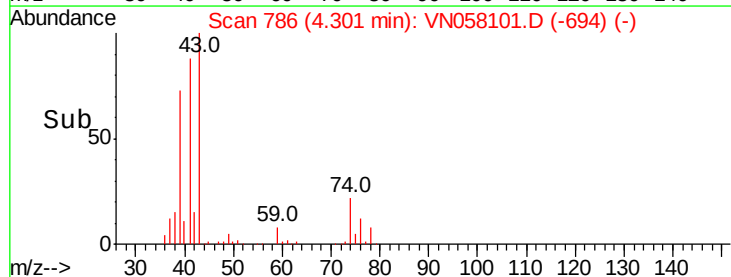
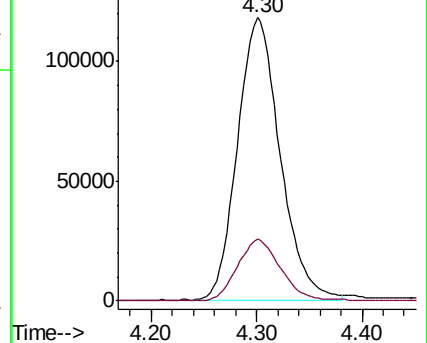
43 100

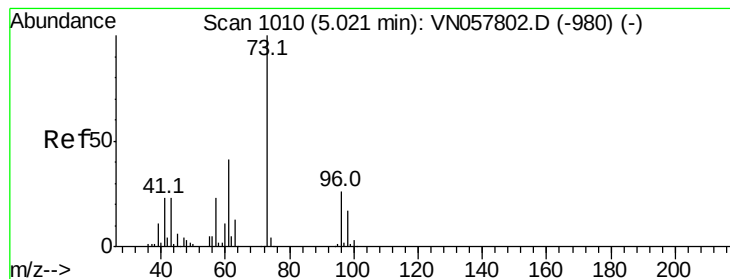
74 22.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methvl tert-butvl Ether

Concen: 54.440 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

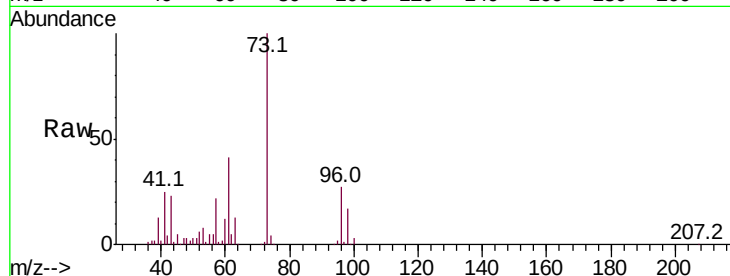
ClientSampleId :

Tot Ion: 73 Resp: 781801

Ion Ratio Lower Upper

73 100

57 22.1 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN057802.D (-980) (-)

Ion 57.00 (56.70 to 57.70): VN057802.D (-980) (-)

5.02

200000

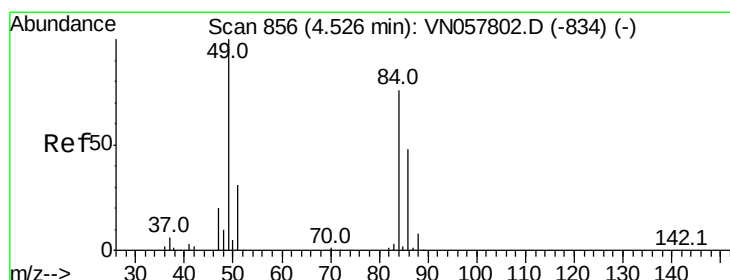
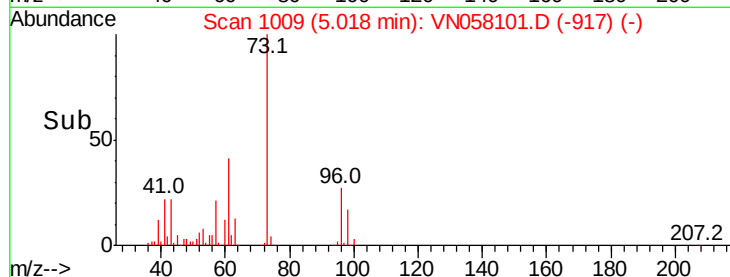
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 56.082 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion: 84 Resp: 229112

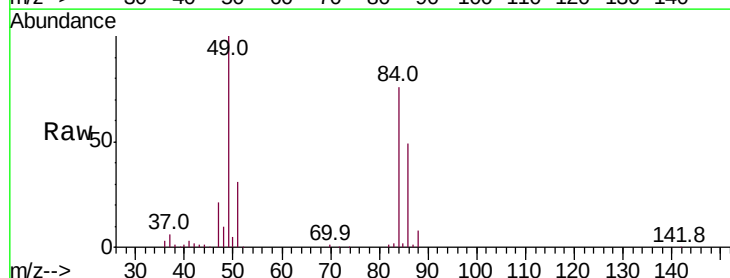
Ion Ratio Lower Upper

84 100

49 131.9 104.8 157.2

51 41.5 33.0 49.4

86 65.3 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VN057802.D (-834) (-)

Ion 48.90 (48.60 to 49.60): VN057802.D (-834) (-)

Ion 50.90 (50.60 to 51.60): VN057802.D (-834) (-)

Ion 85.90 (85.60 to 86.60): VN057802.D (-834) (-)

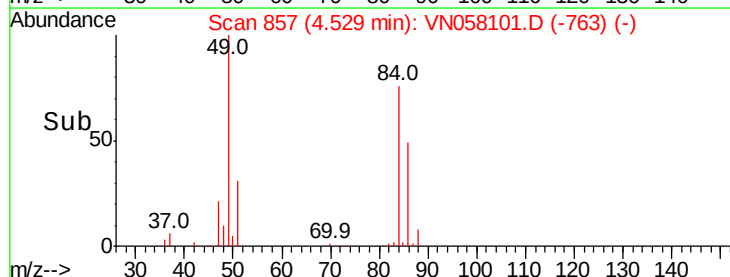
150000

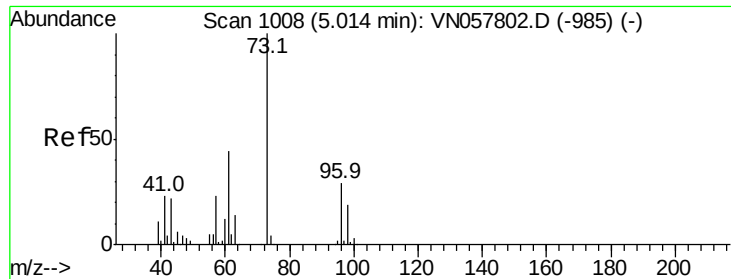
100000

50000

0

Time-->

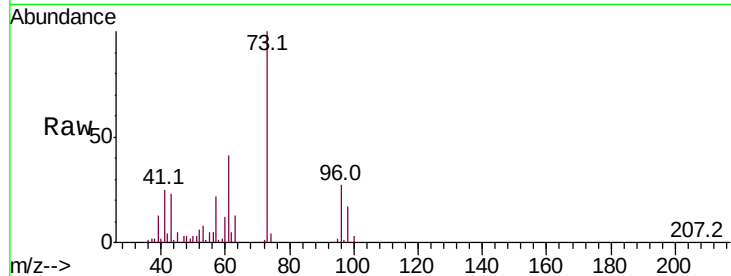




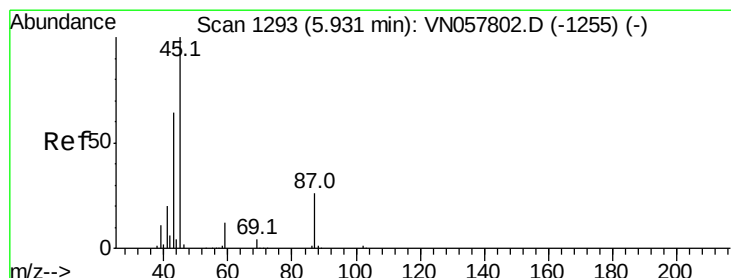
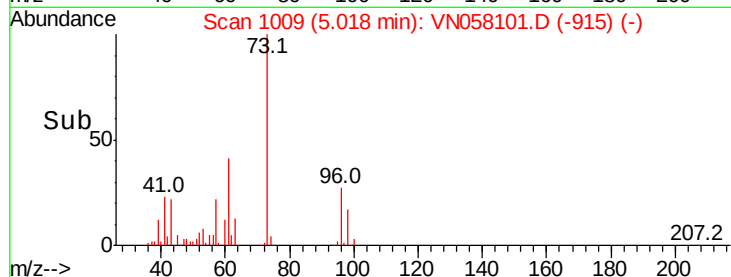
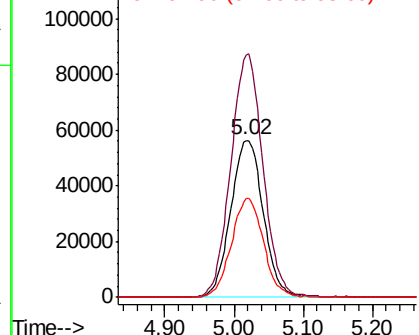
#21
trans-1,2-Dichloroethene
Concen: 49.557 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 184862
Ion Ratio Lower Upper
96 100
61 154.4 121.9 182.9
98 62.9 52.2 78.4

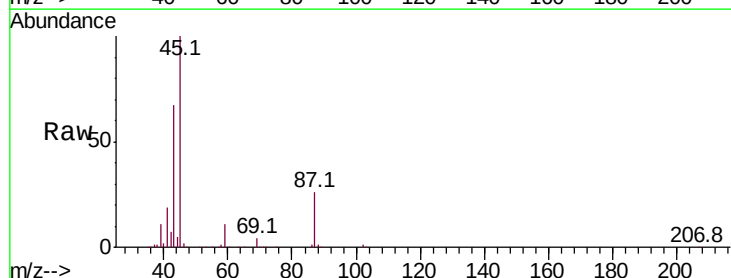


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

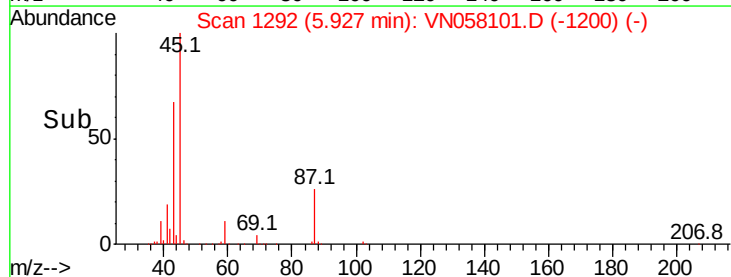
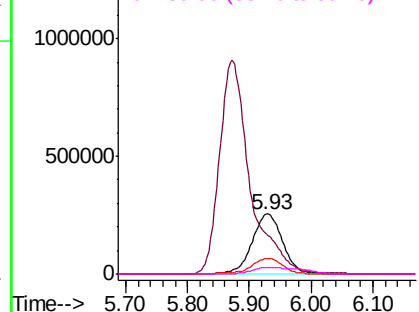


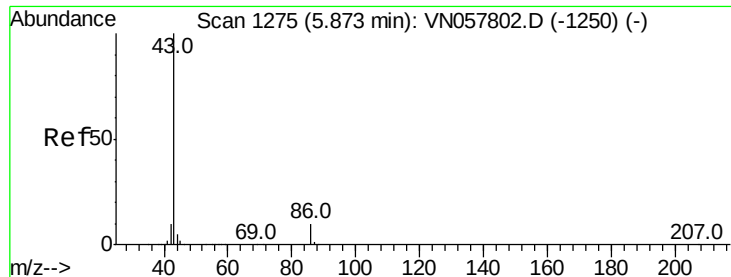
#22
Diisopropyl ether
Concen: 55.223 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 45 Resp: 874549
Ion Ratio Lower Upper
45 100
43 66.6 51.4 77.2
87 26.0 21.3 31.9
59 11.2 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 278.182 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

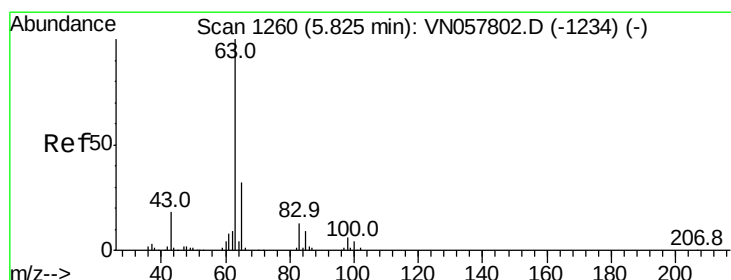
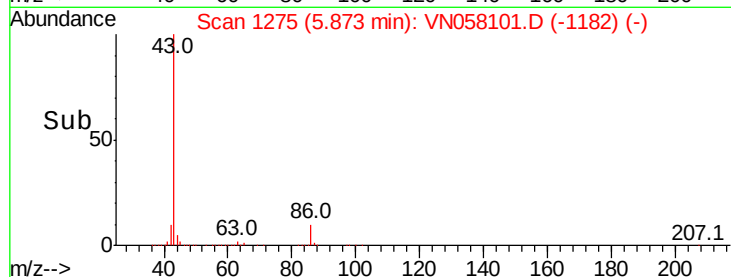
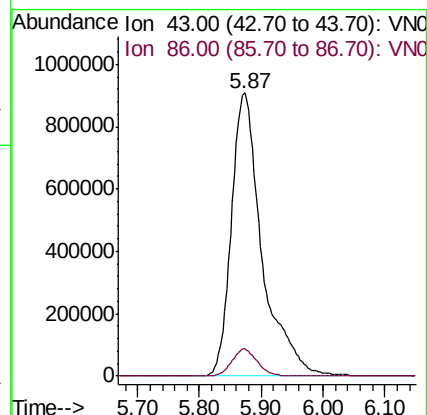
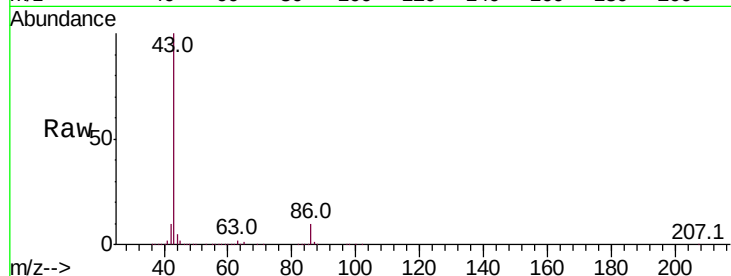
ClientSampled :

Tot Ion: 43 Resp: 3122177

Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5



#24

1,1-Dichloroethane

Concen: 53.689 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

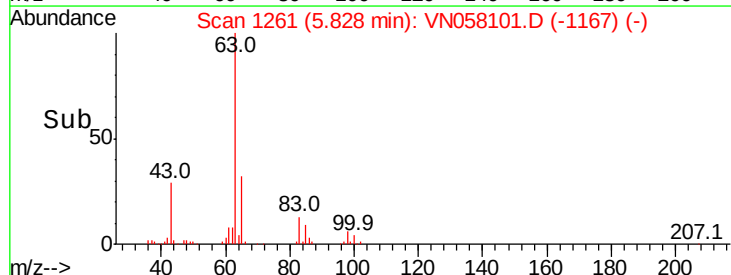
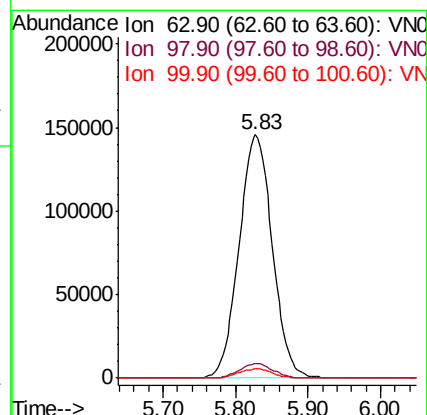
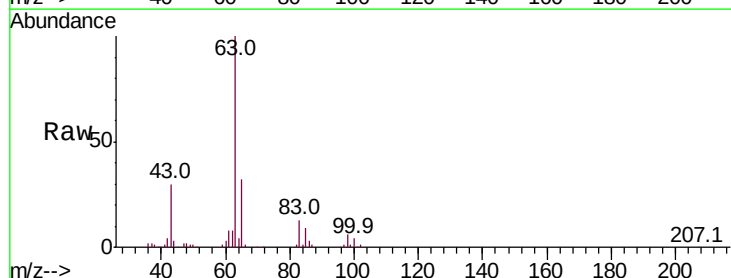
Tgt Ion: 63 Resp: 464689

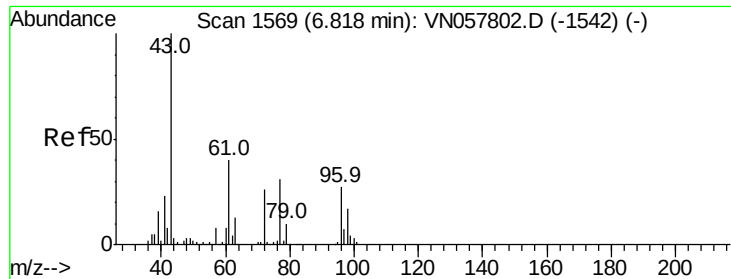
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 256.069 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

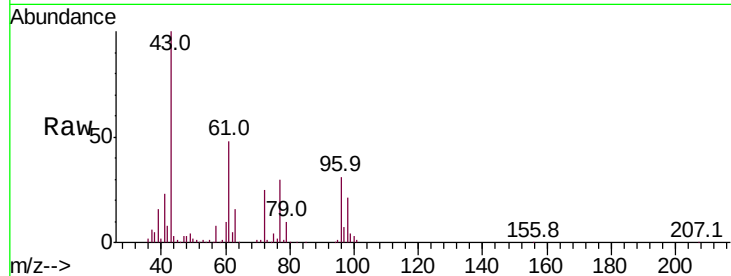
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 797474

Ion Ratio Lower Upper

43 100

72 24.6 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1542) (-)

Ion 72.00 (71.70 to 72.70): VN057802.D (-1542) (-)

6.81

300000

250000

200000

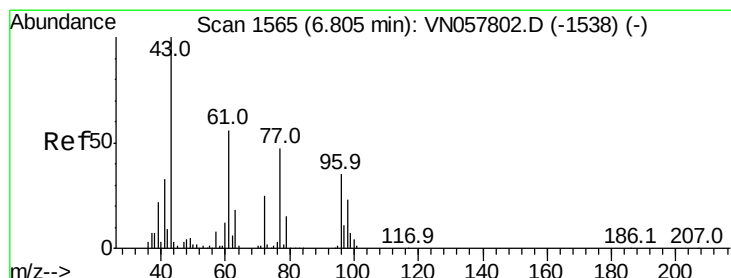
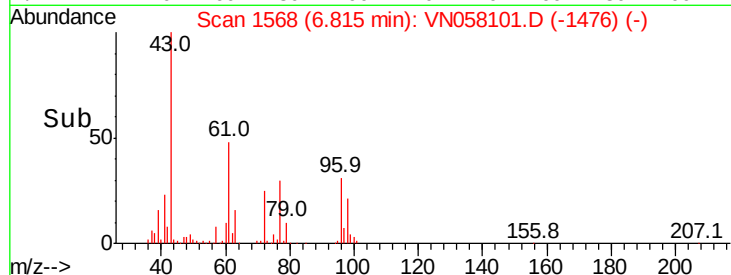
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 42.901 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058101.D

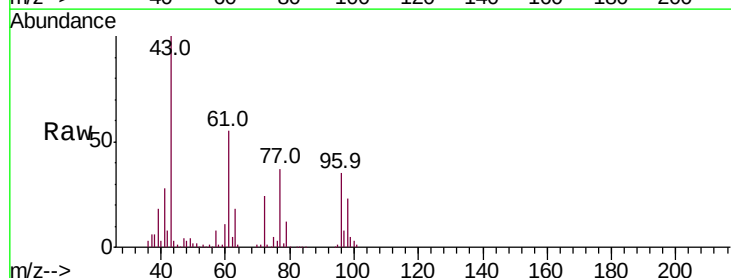
Acq: 15 Sep 2019 18:41

Tgt Ion: 77 Resp: 293851

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN057802.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN057802.D (-1538) (-)

6.81

100000

80000

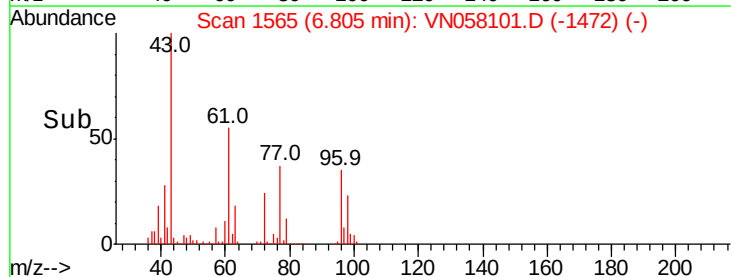
60000

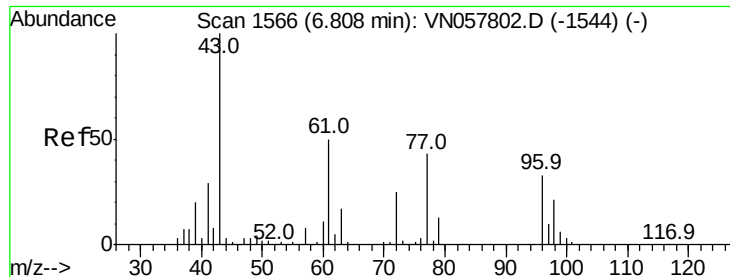
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 52.209 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampled :

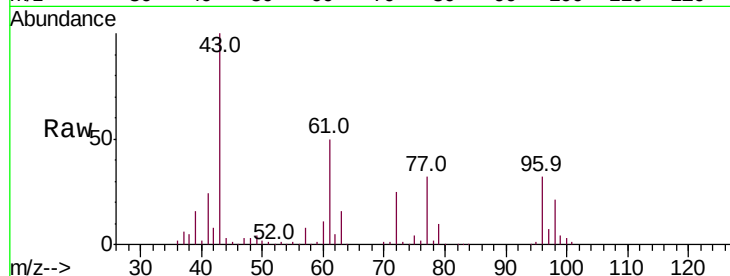
Tot Ion: 96 Resp: 260995

Ion Ratio Lower Upper

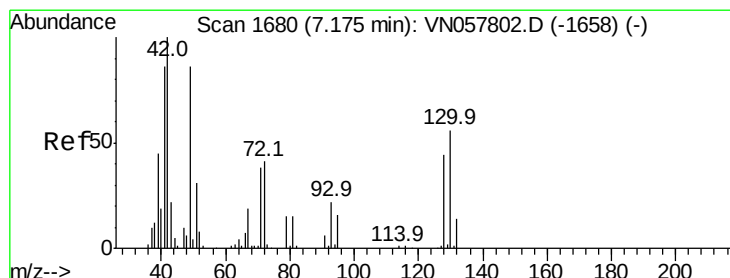
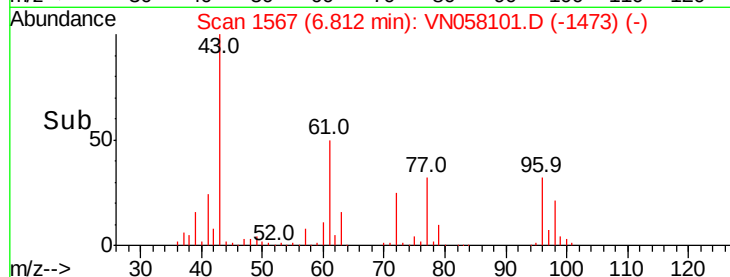
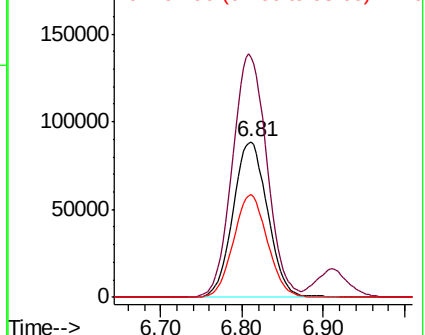
96 100

61 156.2 0.0 314.0

98 64.8 0.0 128.6



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



#28

Bromochloromethane

Concen: 52.845 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

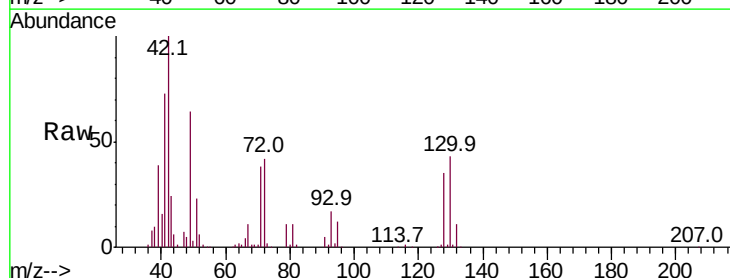
Tgt Ion: 49 Resp: 228502

Ion Ratio Lower Upper

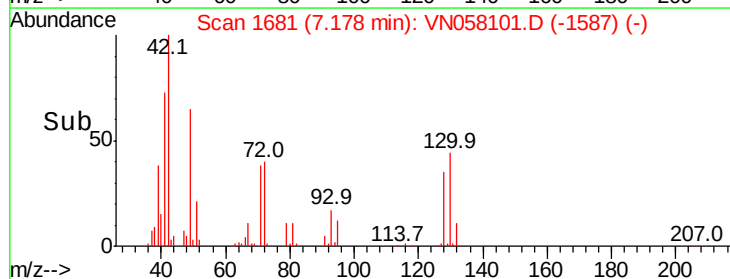
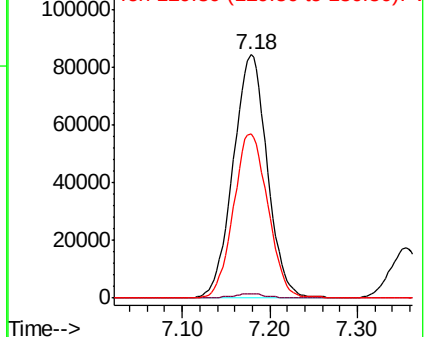
49 100

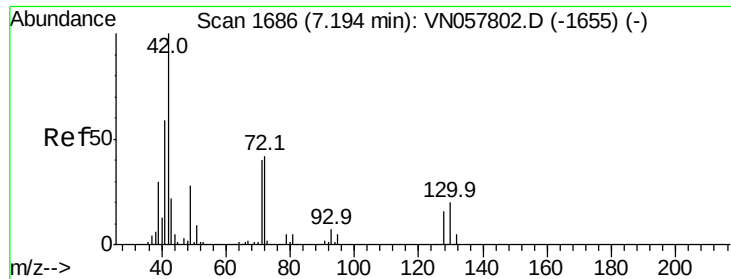
129 1.8 0.0 3.8

130 68.3 53.0 79.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

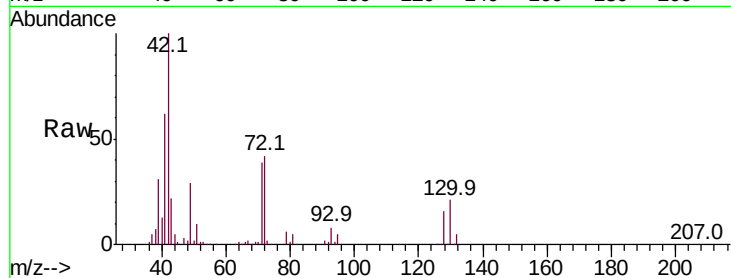




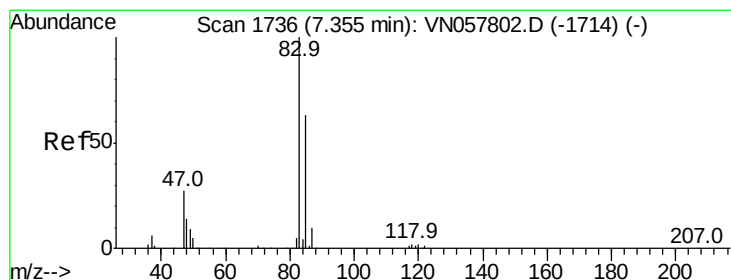
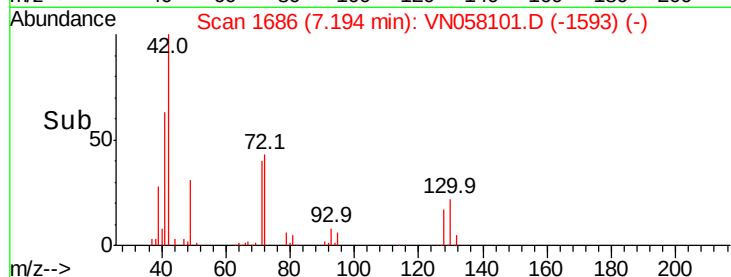
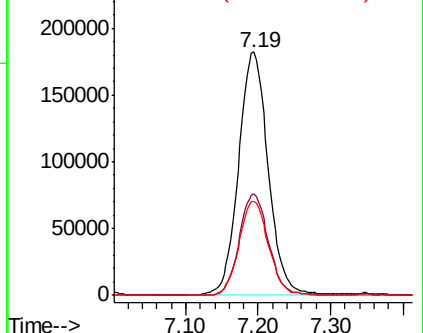
#29
Tetrahydrofuran
Concen: 269.276 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 516750
Ion Ratio Lower Upper
42 100
72 41.3 33.7 50.5
71 38.5 31.9 47.9

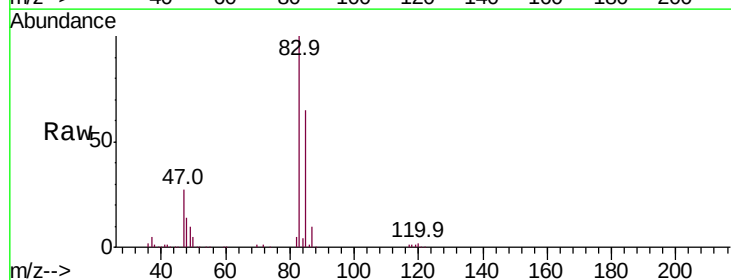


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

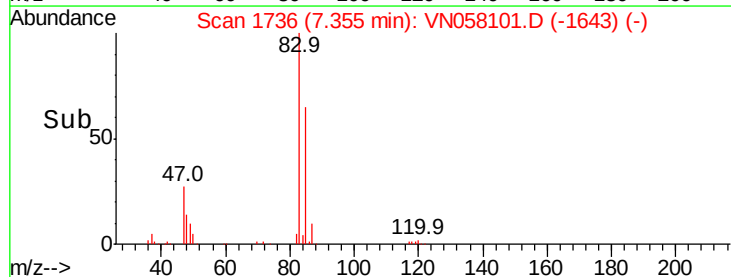
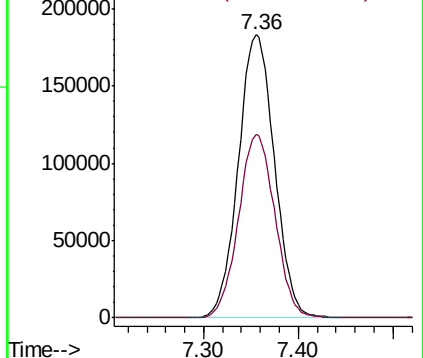


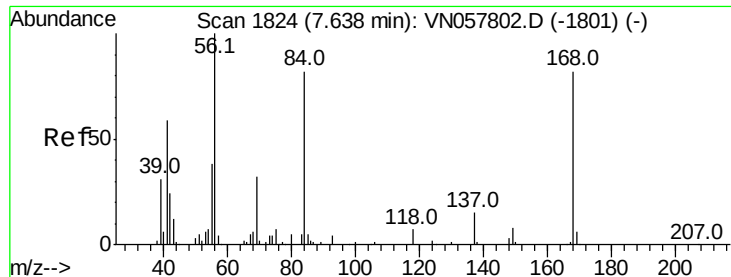
#30
Chloroform
Concen: 53.811 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 83 Resp: 486977
Ion Ratio Lower Upper
83 100
85 64.9 50.6 75.8



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

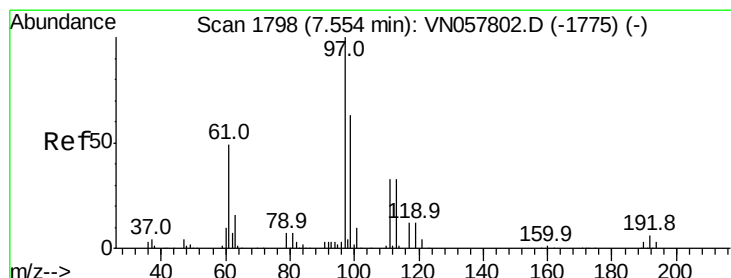
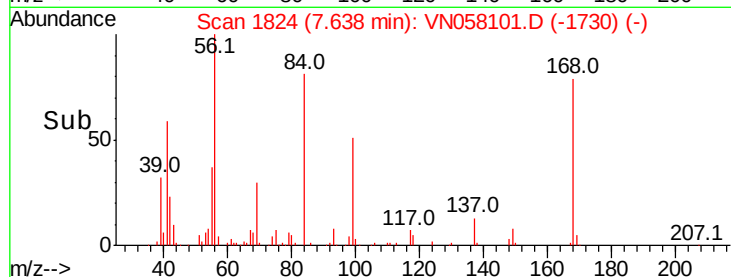
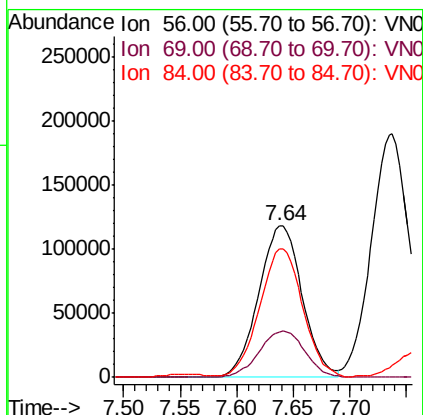
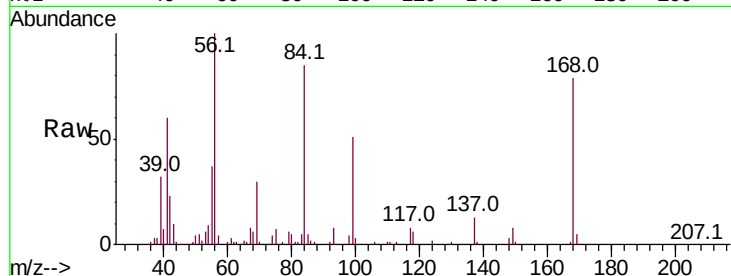




#31
Cyclohexane
Concen: 53.809 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

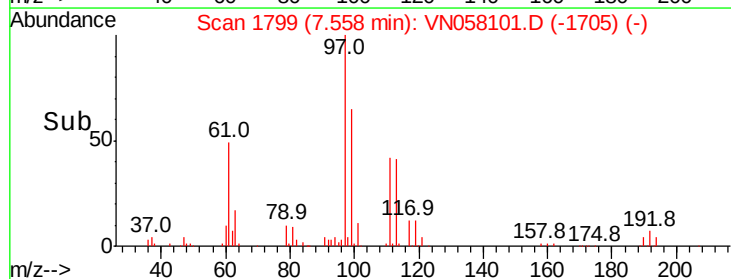
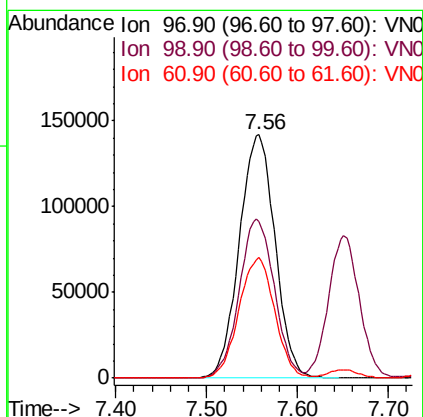
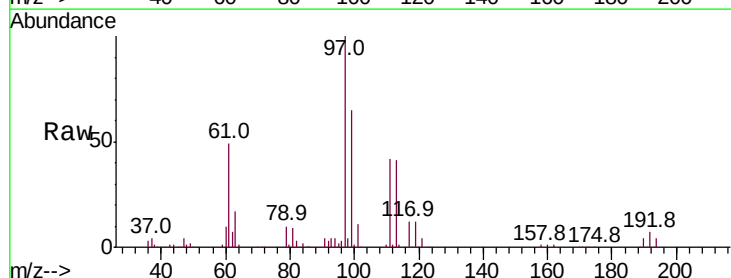
Instrument :
MSVOA_N
ClientSampleId :

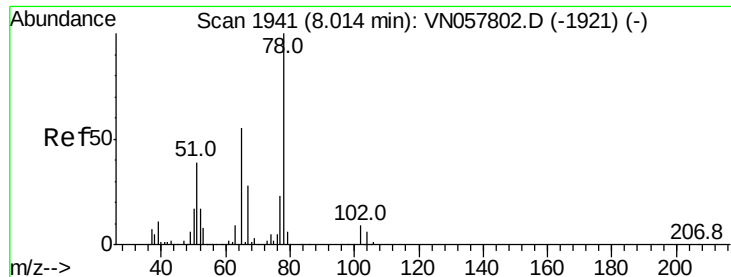
Tot Ion: 56 Resp: 316371
Ion Ratio Lower Upper
56 100
69 30.0 25.9 38.9
84 82.8 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 54.027 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 97 Resp: 387771
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 49.6 39.0 58.6

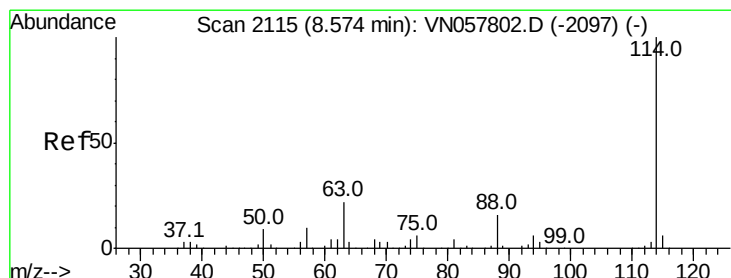
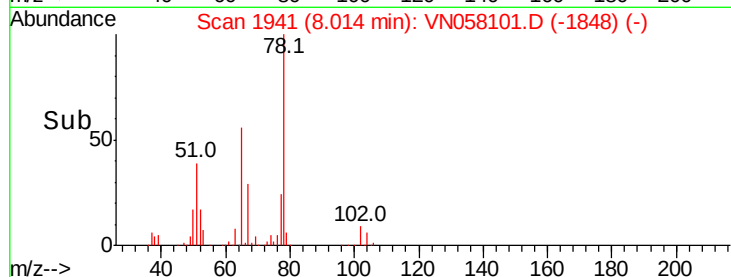
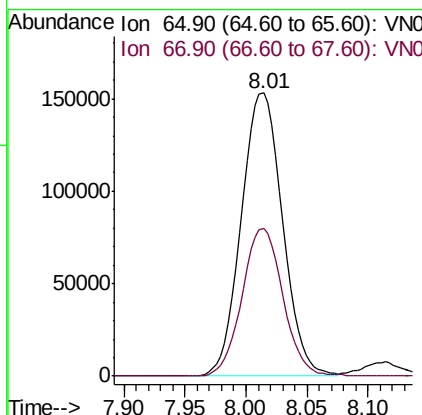
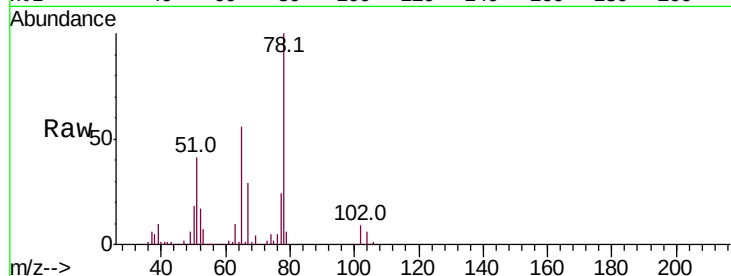




#33
 1,2-Dichloroethane-d4
 Concen: 54.658 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

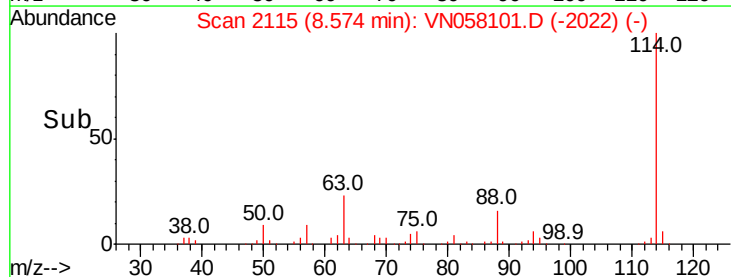
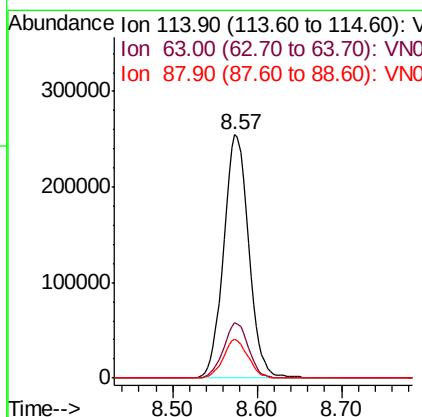
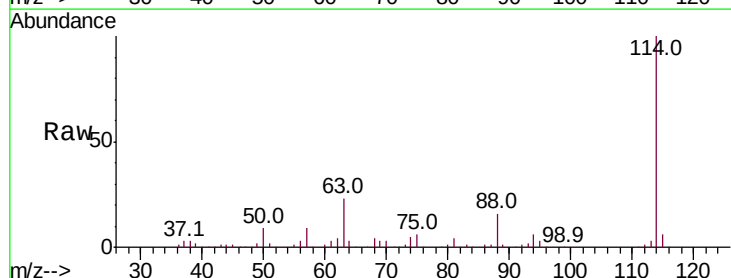
Instrument :
 MSVOA_N
 ClientSampleId :

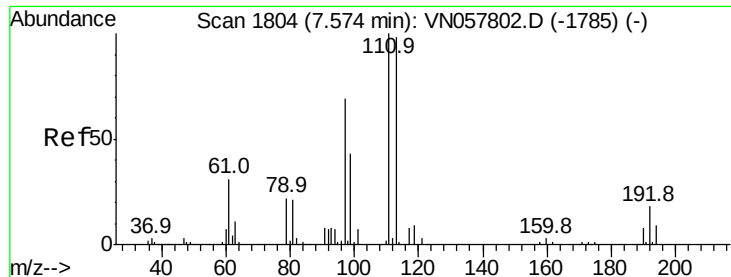
Tot Ion: 65 Resp: 358763
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 114 Resp: 527049
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.0
 88 15.9 0.0 31.4

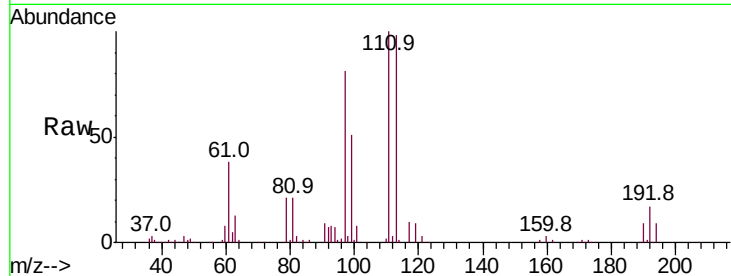




#35
 Dibromofluoromethane
 Concen: 53.636 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.3	121.9
192	18.4	14.6	22.0

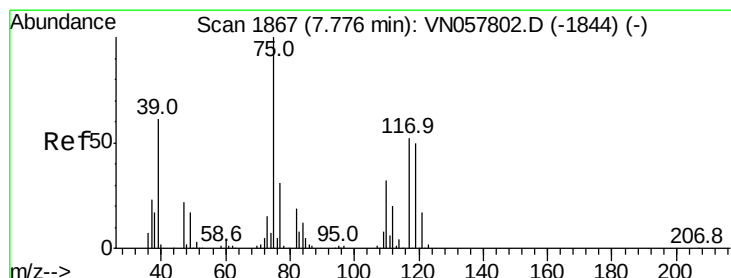
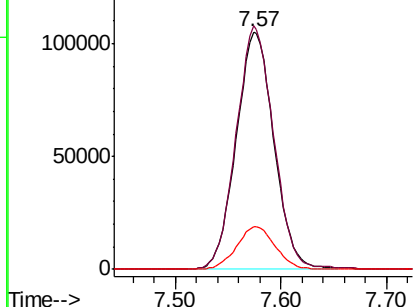
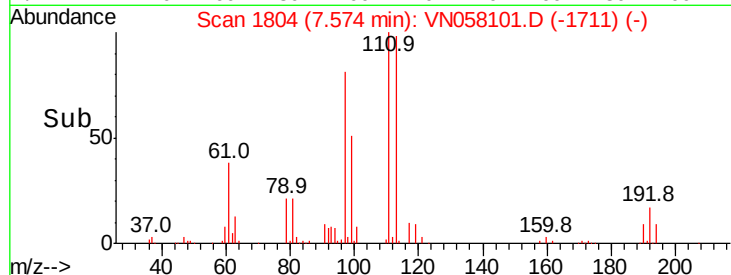


Abundance

Ion 112.80 (112.50 to 113.50): V

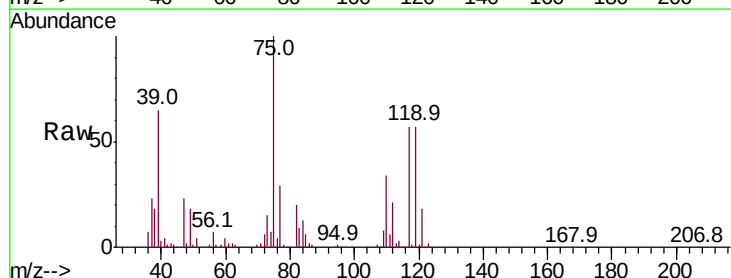
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.227 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.3	48.9
77	30.1	25.0	37.4

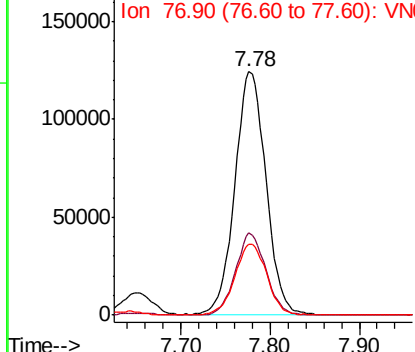
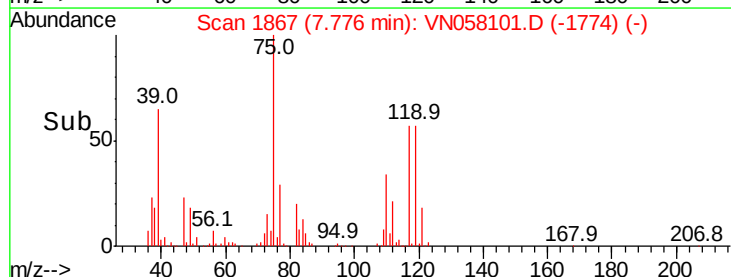


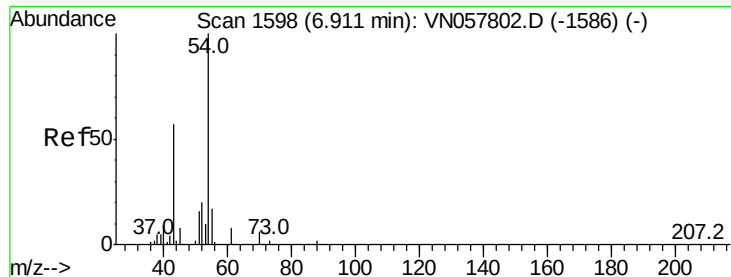
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

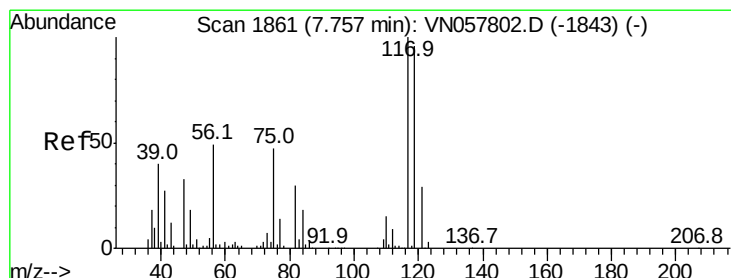
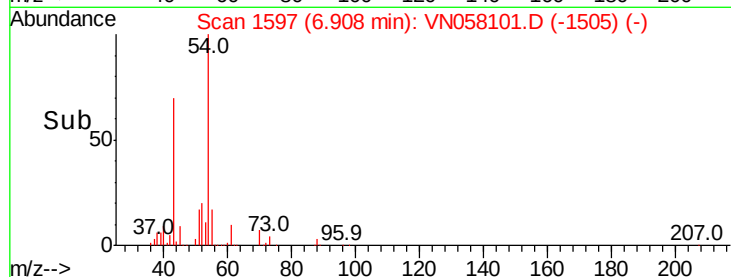
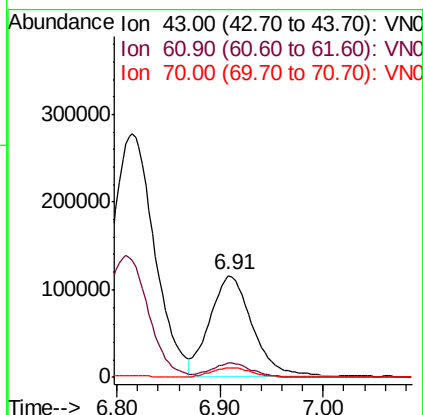
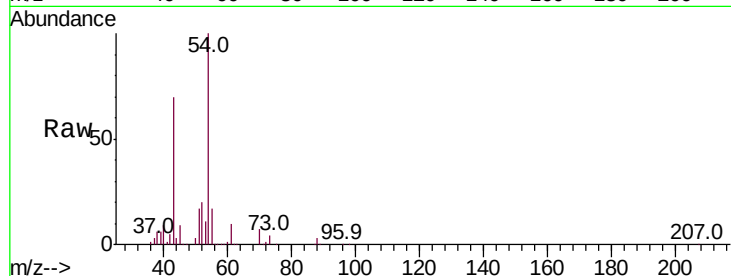




#37
Ethyl Acetate
Concen: 51.912 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

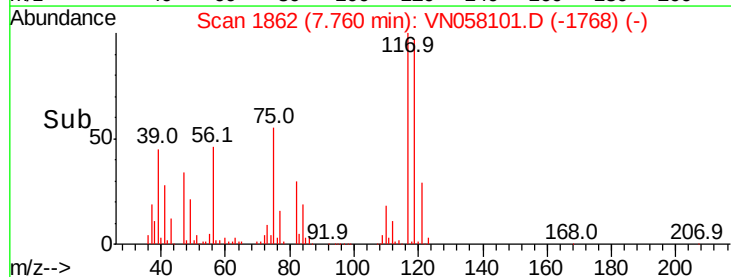
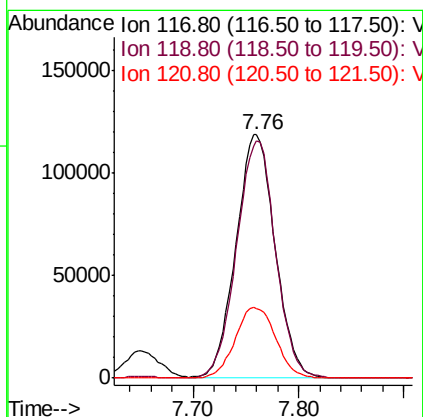
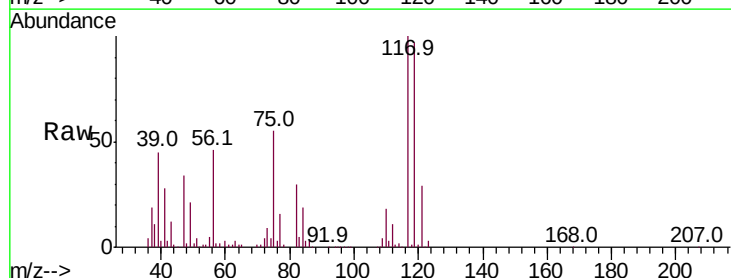
Instrument :
MSVOA_N
ClientSampled :

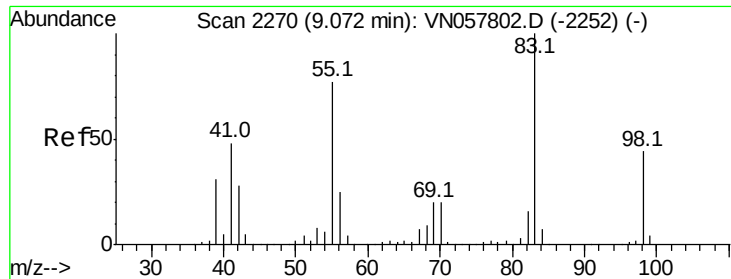
Tot Ion: 43 Resp: 327834
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 8.9 7.4 11.0



#38
Carbon Tetrachloride
Concen: 54.589 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 117 Resp: 304637
Ion Ratio Lower Upper
117 100
119 97.5 76.9 115.3
121 28.7 23.4 35.2

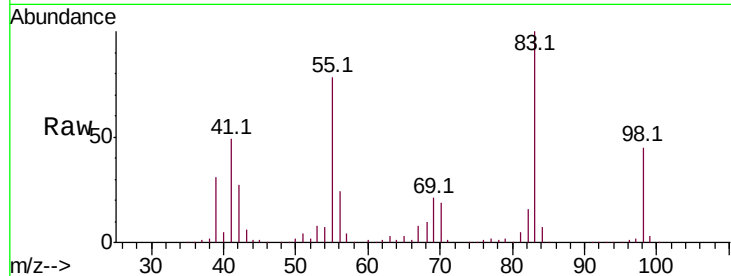




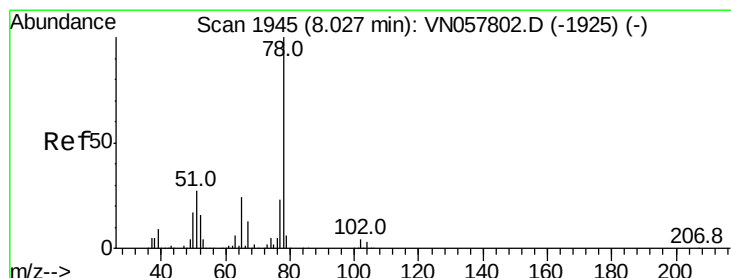
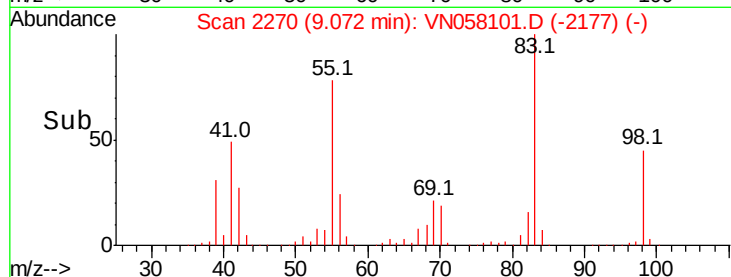
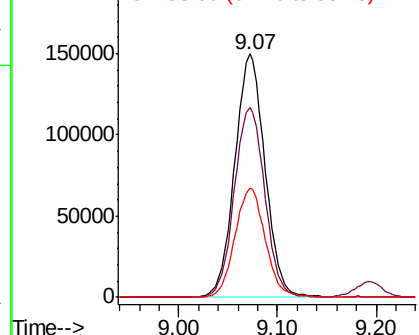
#39
Methylvlcyclohexane
Concen: 49.538 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 318307
Ion Ratio Lower Upper
83 100
55 77.8 61.6 92.4
98 44.7 34.9 52.3

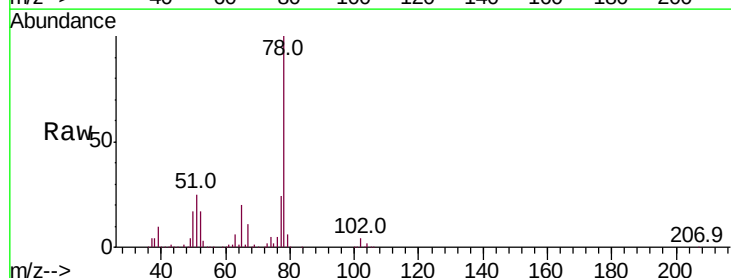


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

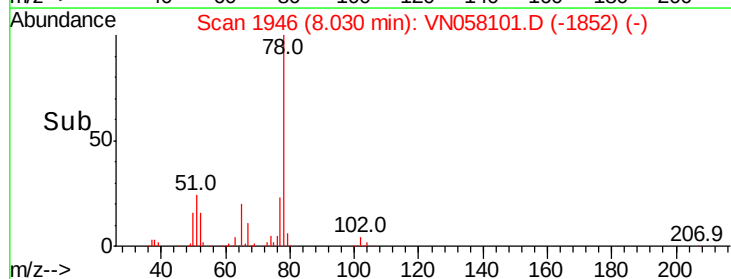
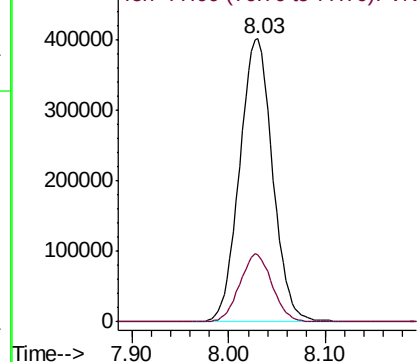


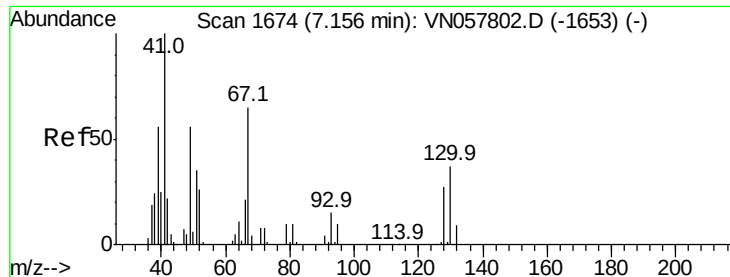
#40
Benzene
Concen: 51.760 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 78 Resp: 952504
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5



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

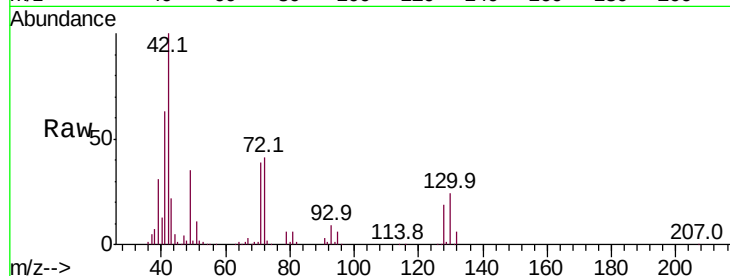




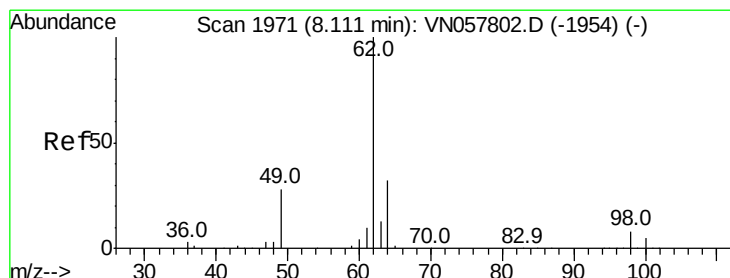
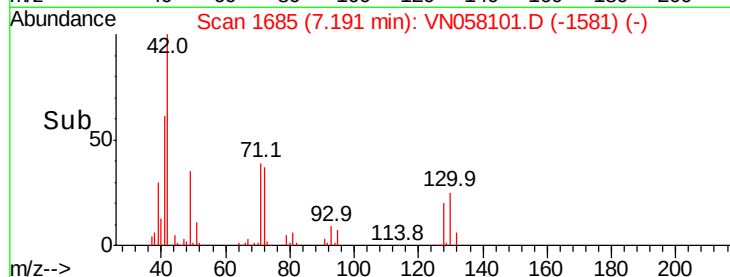
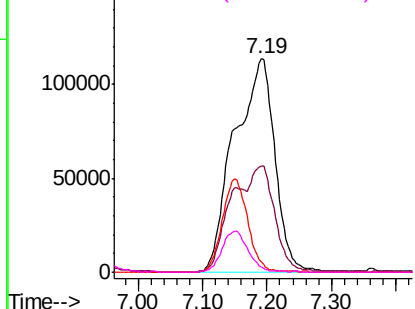
#41
Methacrylonitrile
Concen: 173.342 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 496917
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#

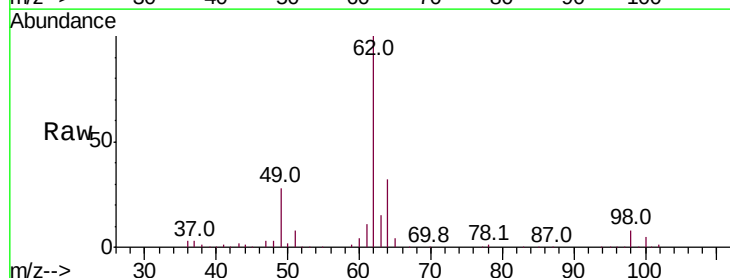


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

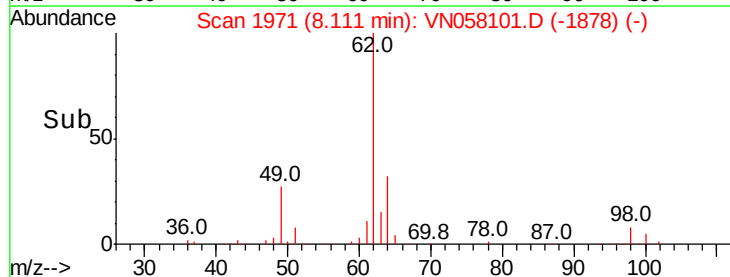
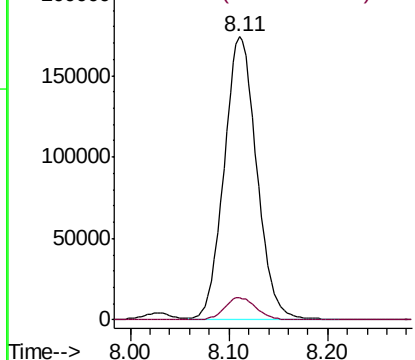


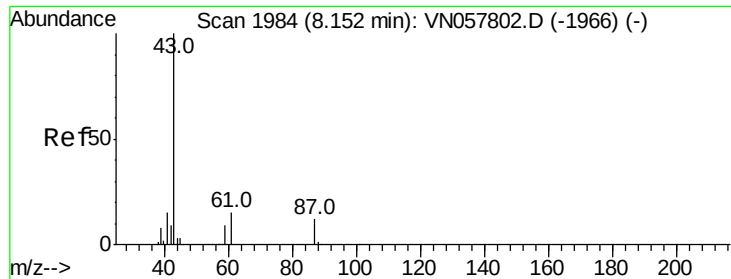
#42
1,2-Dichloroethane
Concen: 54.416 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 62 Resp: 400487
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 57.698 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

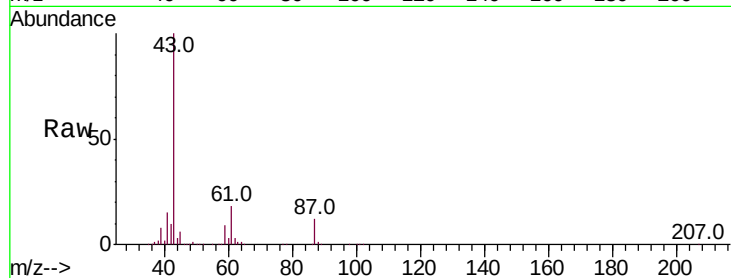
Tot Ion: 43 Resp: 612764

Ion Ratio Lower Upper

43 100

61 24.0 20.1 30.1

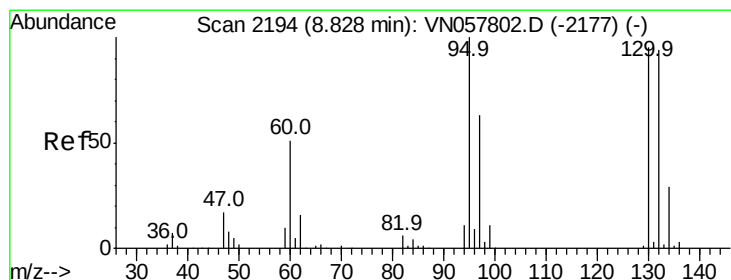
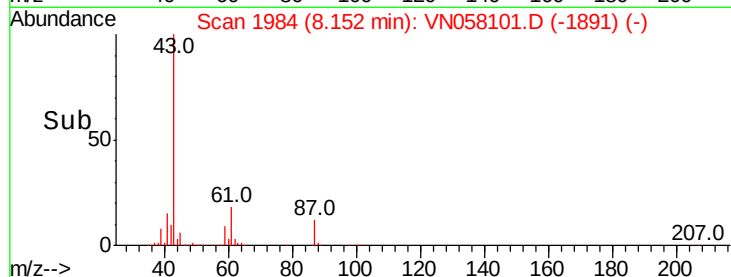
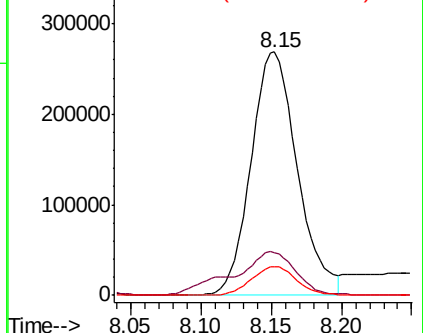
87 11.6 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44

Trichloroethene

Concen: 52.462 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058101.D

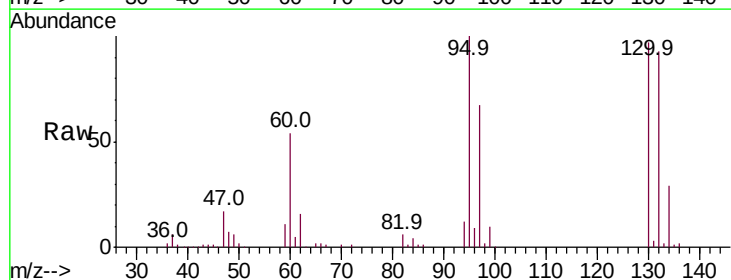
Acq: 15 Sep 2019 18:41

Tgt Ion:130 Resp: 236790

Ion Ratio Lower Upper

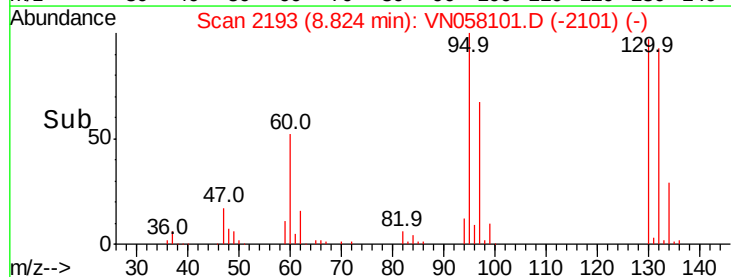
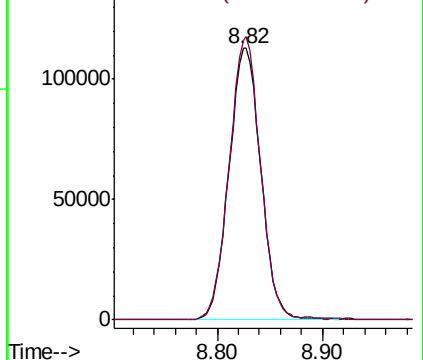
130 100

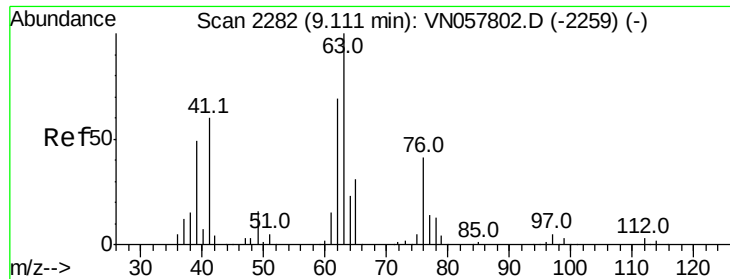
95 102.9 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

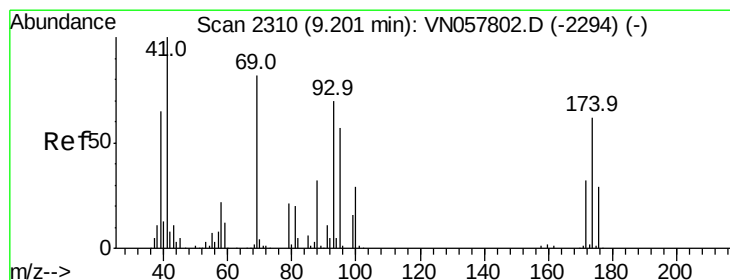
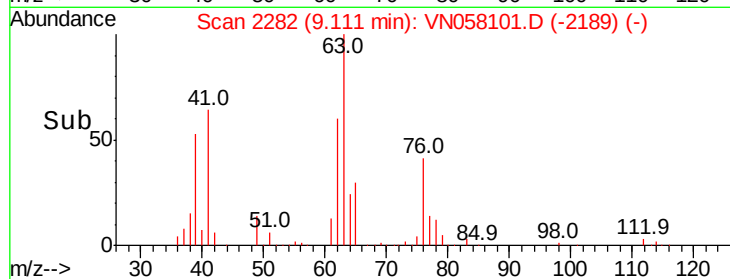
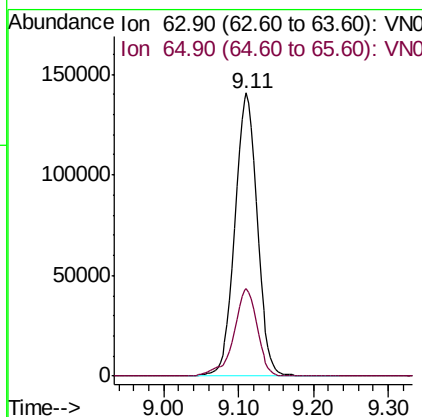
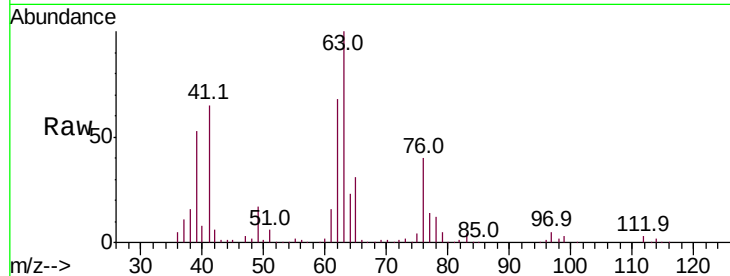




#45
 1,2-Dichloropropane
 Concen: 54.718 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

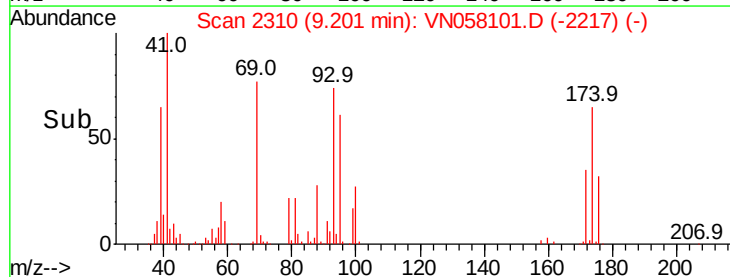
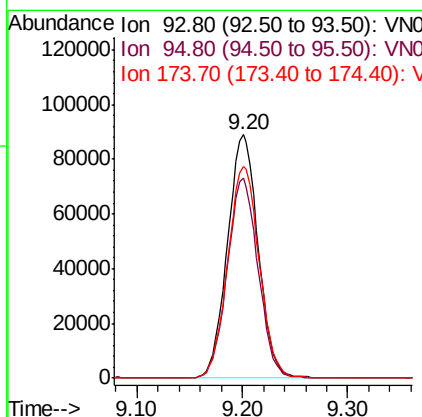
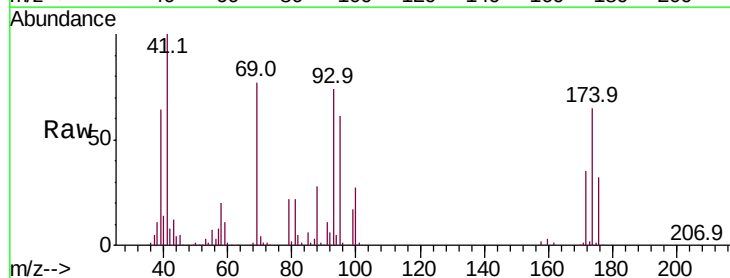
Instrument :
 MSVOA_N
 ClientSampleId :

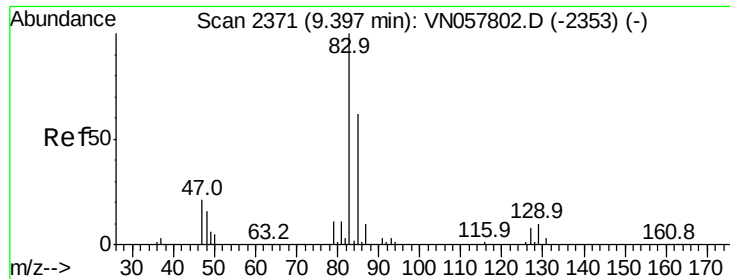
Tot Ion: 63 Resp: 293003
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2



#46
 Dibromomethane
 Concen: 55.208 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 93 Resp: 178643
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.9 98.9
 174 89.5 71.8 107.6





#47

Bromodichloromethane

Concen: 57.217 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampled :

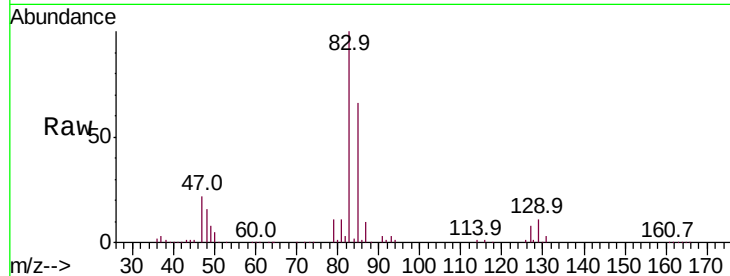
Tot Ion: 83 Resp: 369713

Ion Ratio Lower Upper

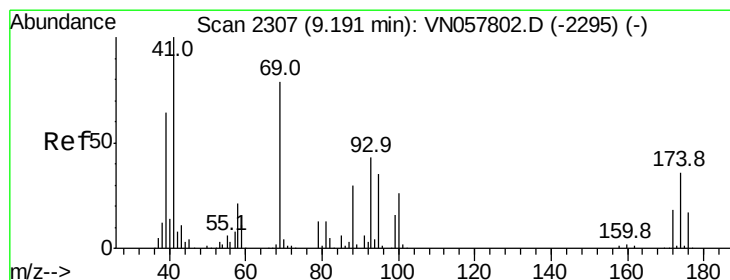
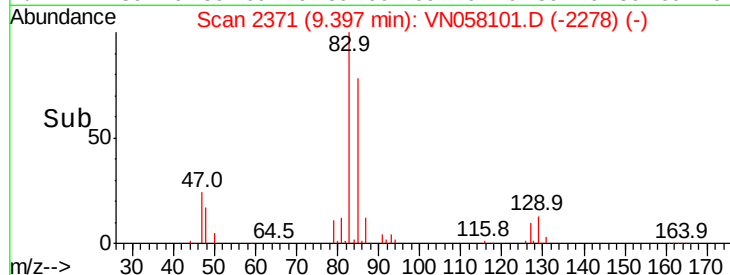
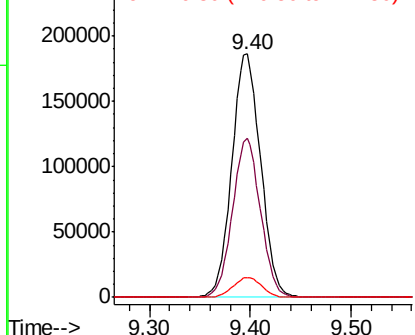
83 100

85 65.6 49.9 74.9

127 8.2 6.5 9.7



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



#48

Methyl methacrylate

Concen: 53.830 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

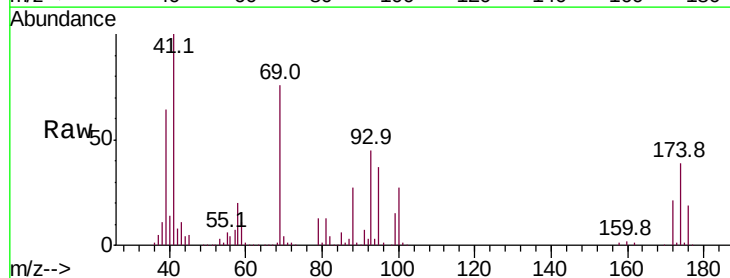
Tgt Ion: 41 Resp: 289997

Ion Ratio Lower Upper

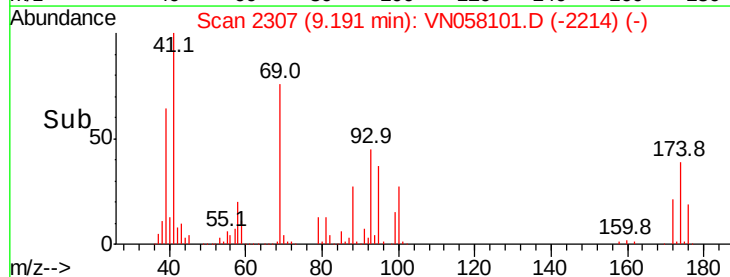
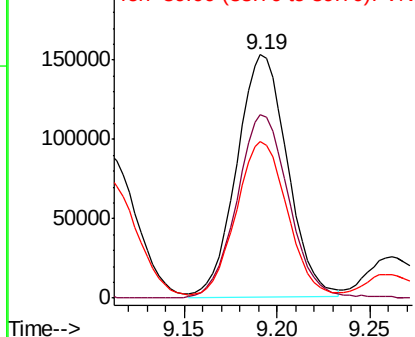
41 100

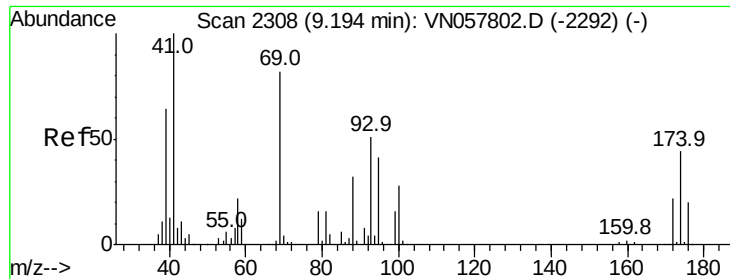
69 77.4 62.7 94.1

39 65.6 52.7 79.1



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

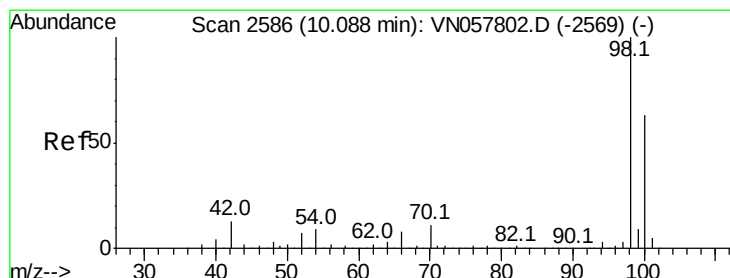
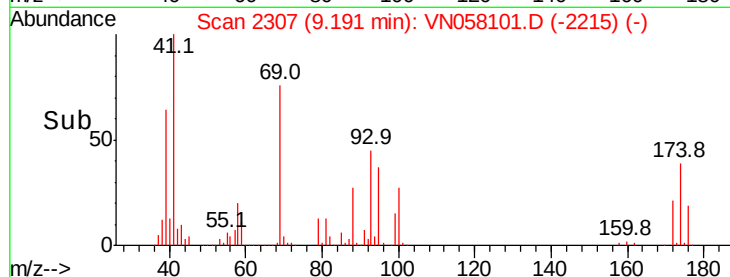
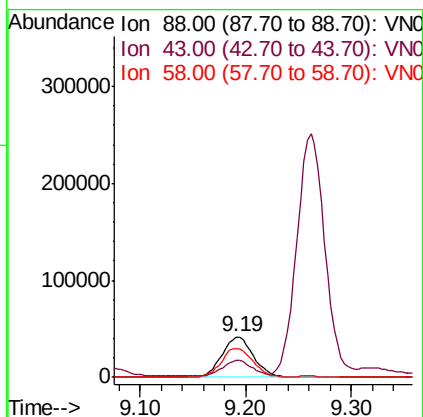
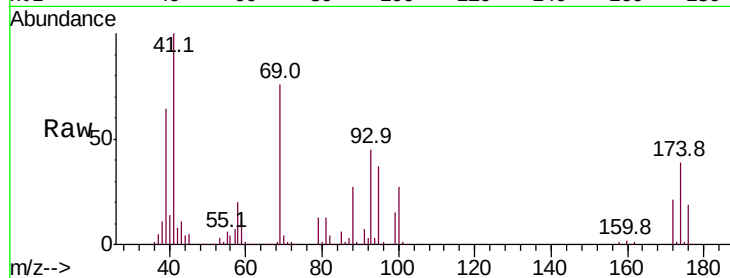




#49
 1,4-Dioxane
 Concen: 945.876 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

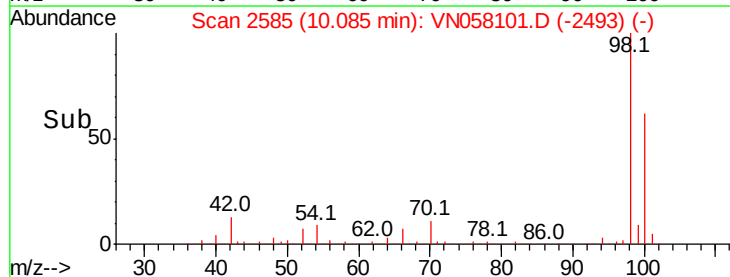
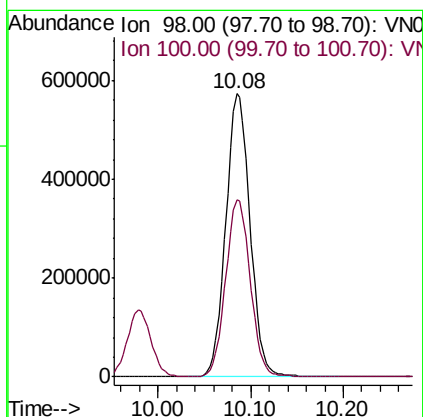
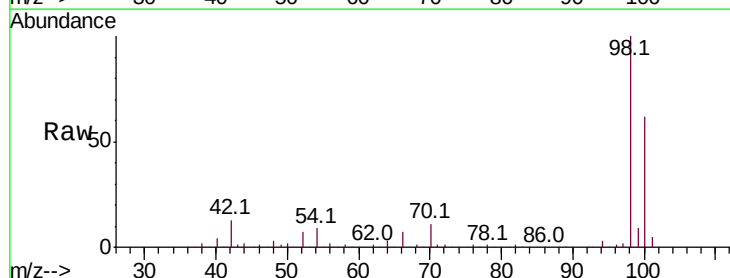
Instrument :
 MSVOA_N
 ClientSampleId :

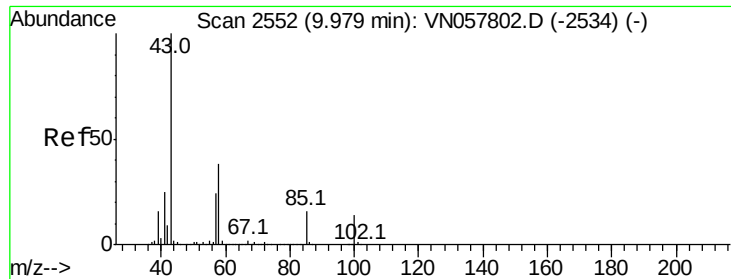
Tot Ion: 88 Resp: 86172
 Ion Ratio Lower Upper
 88 100
 43 37.1 28.5 42.7
 58 72.0 55.8 83.6



#50
 Toluene-d8
 Concen: 55.129 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 98 Resp: 1041190
 Ion Ratio Lower Upper
 98 100
 100 63.6 50.3 75.5

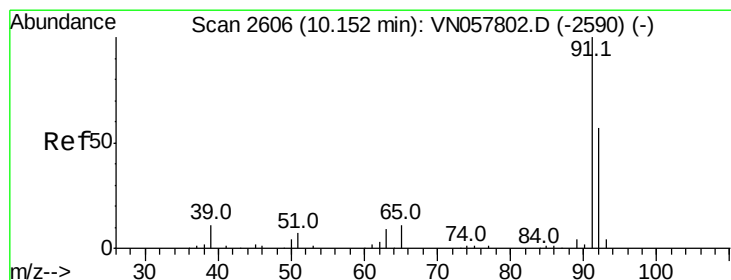
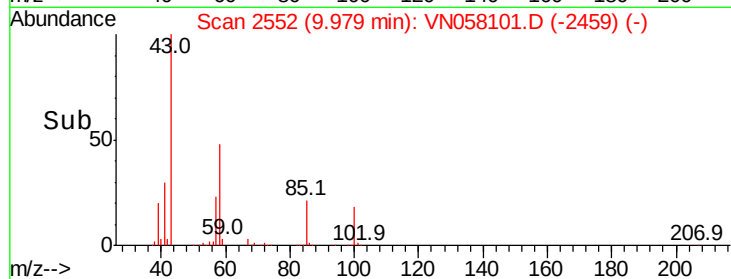
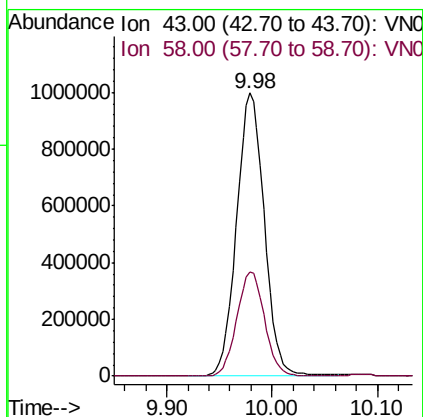
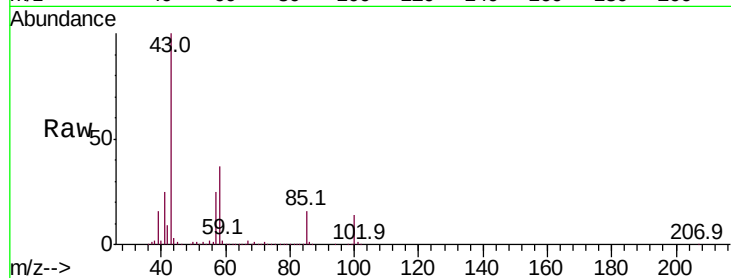




#51
 4-Methyl-2-Pentanone
 Concen: 288.606 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

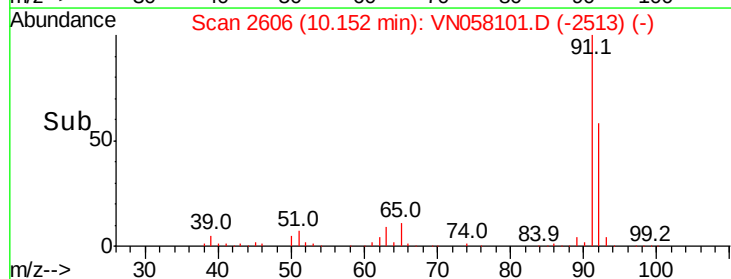
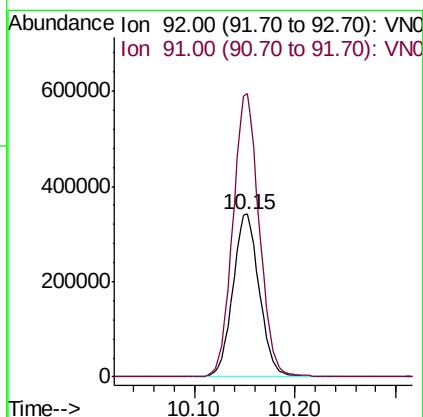
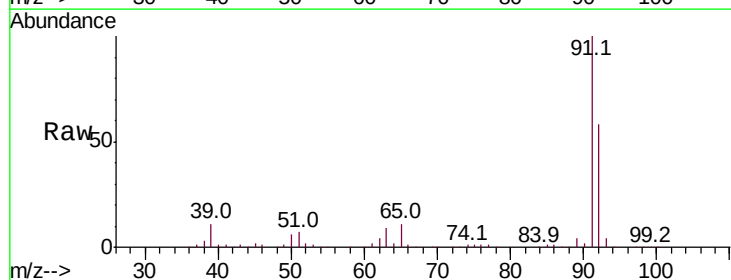
Instrument :
 MSVOA_N
 ClientSampled :

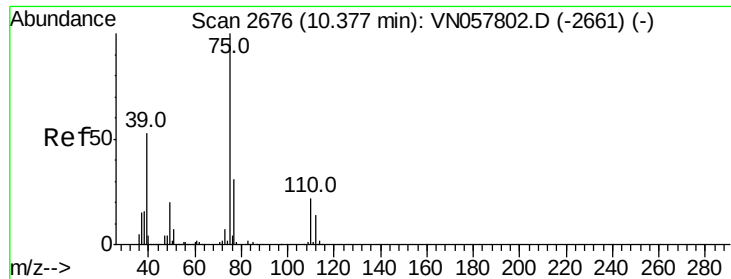
Tot Ion: 43 Resp: 1813796
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.8 44.6



#52
 Toluene
 Concen: 53.837 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 92 Resp: 623992
 Ion Ratio Lower Upper
 92 100
 91 173.0 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 55.786 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

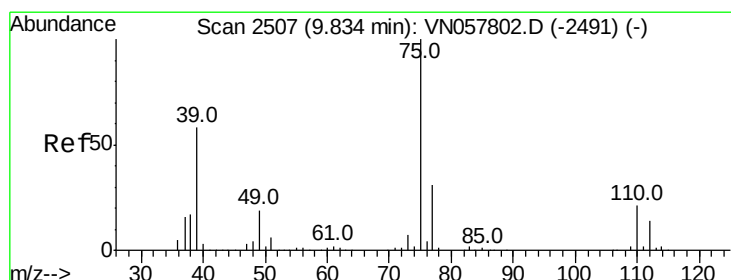
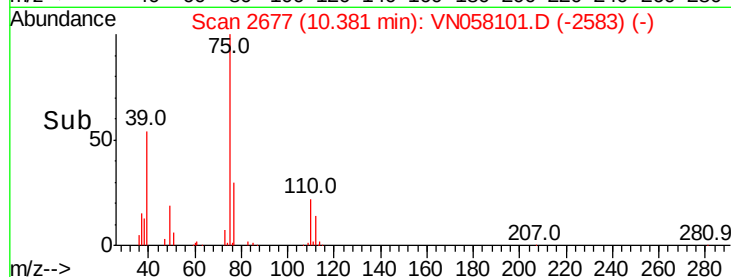
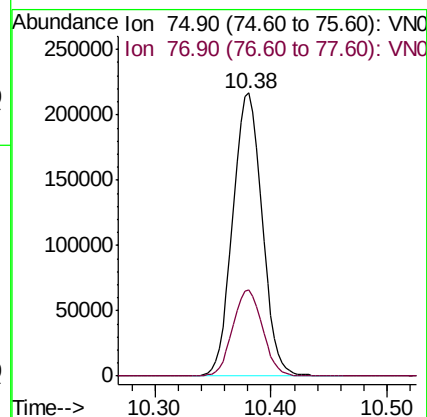
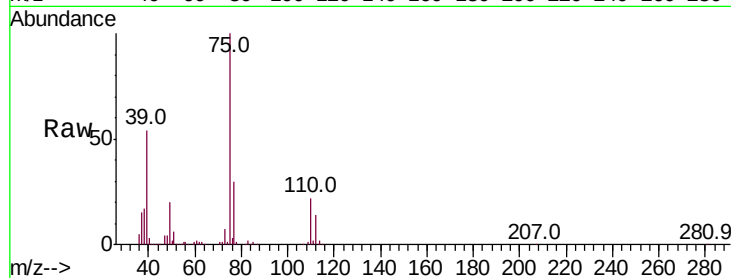
ClientSampleId :

Tot Ion: 75 Resp: 379588

Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 54.266 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

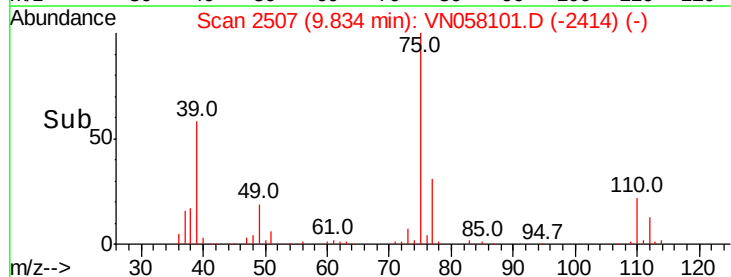
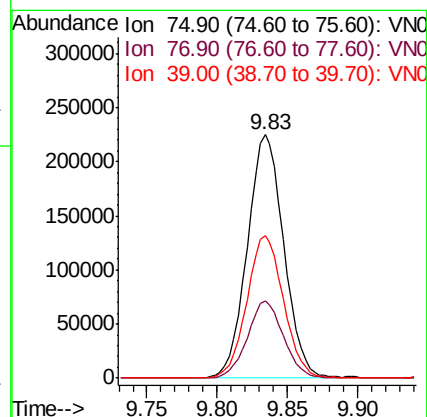
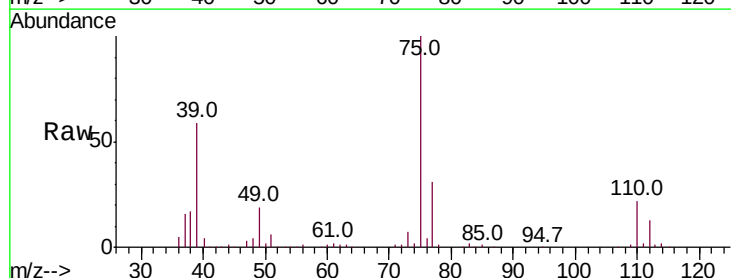
Tgt Ion: 75 Resp: 407673

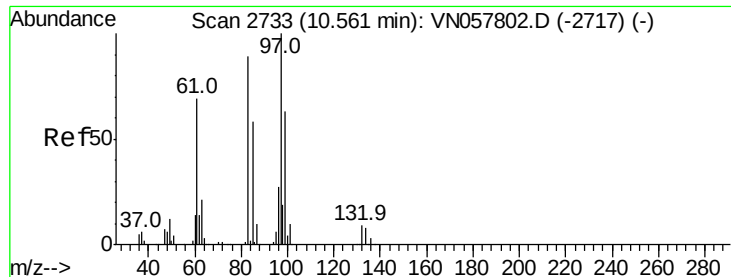
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 58.4 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 55.841 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 274156

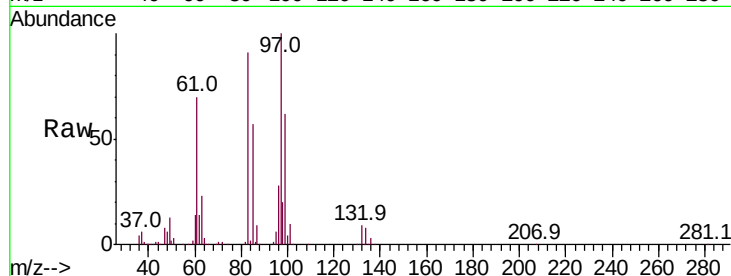
Ion Ratio Lower Upper

97 100

83 90.6 70.8 106.2

85 57.0 46.0 69.0

99 62.4 50.6 76.0

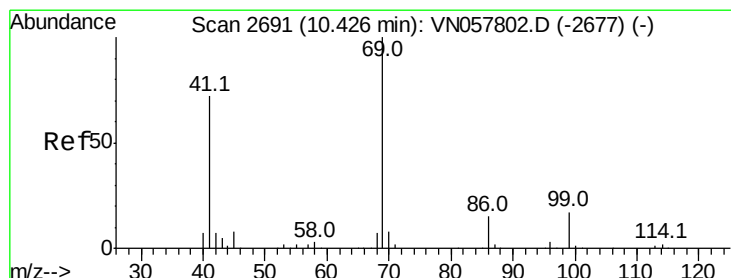
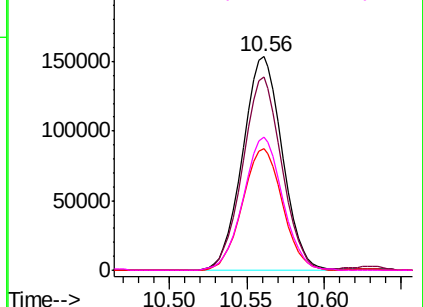
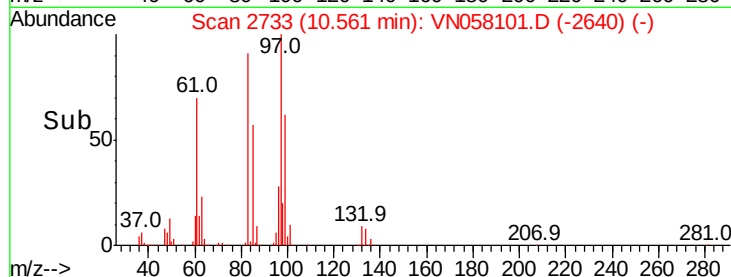


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.813 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

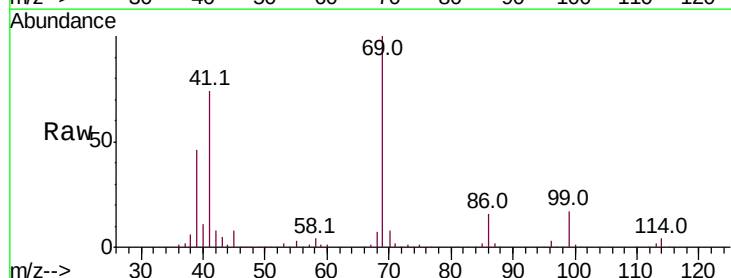
Tgt Ion: 69 Resp: 405249

Ion Ratio Lower Upper

69 100

41 72.7 56.7 85.1

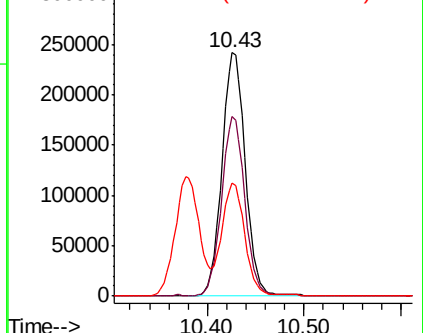
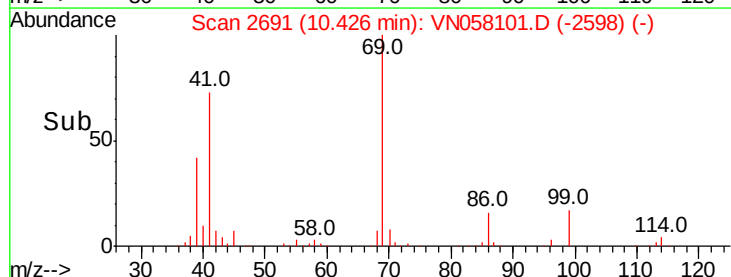
39 45.3 36.3 54.5

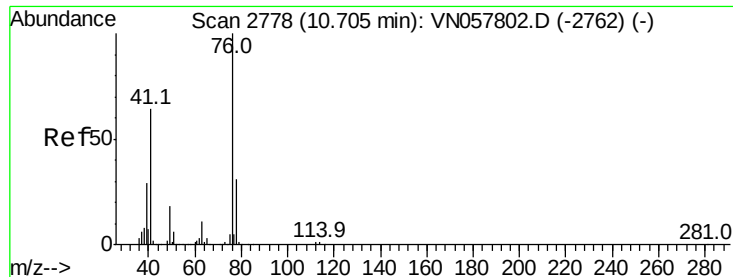


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

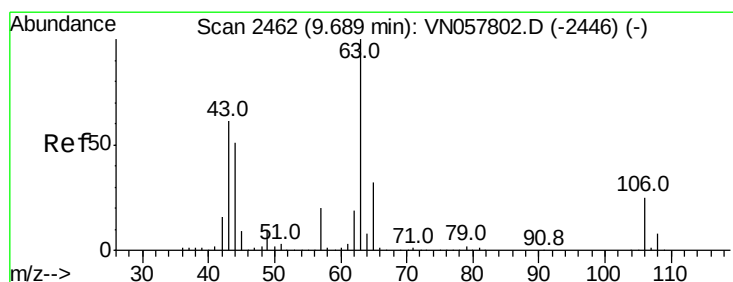
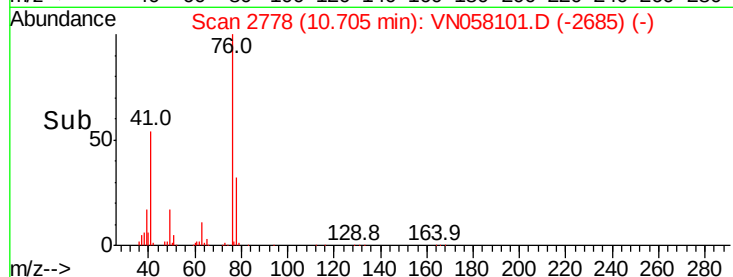
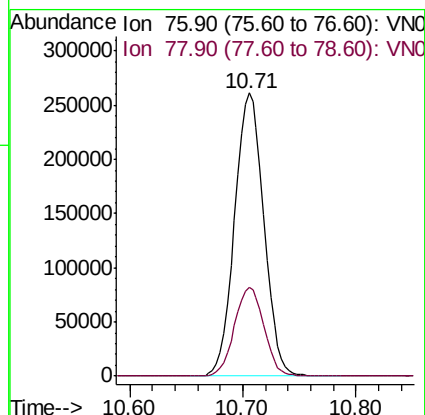
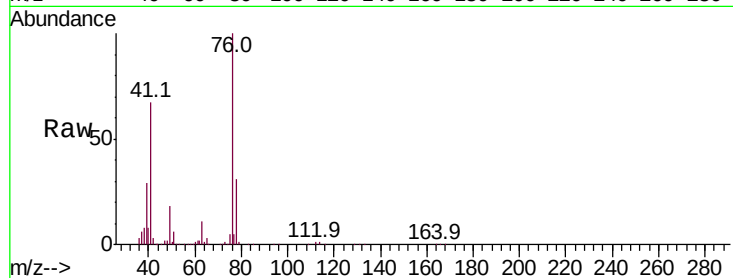




#57
 1,3-Dichloropropane
 Concen: 55.508 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

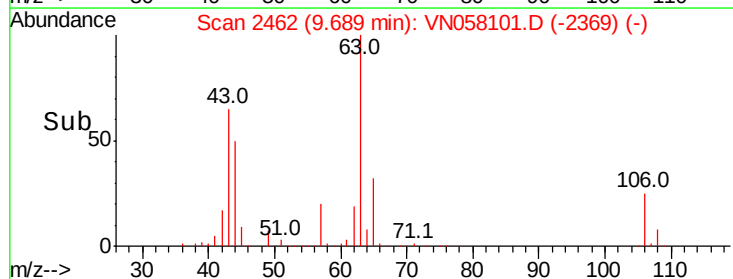
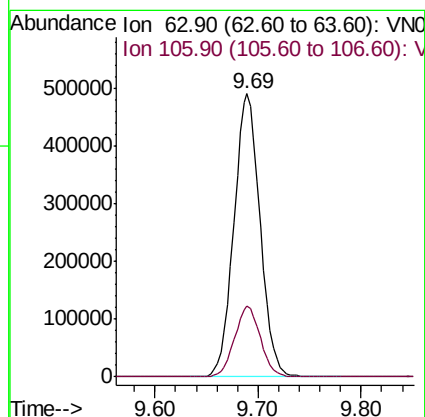
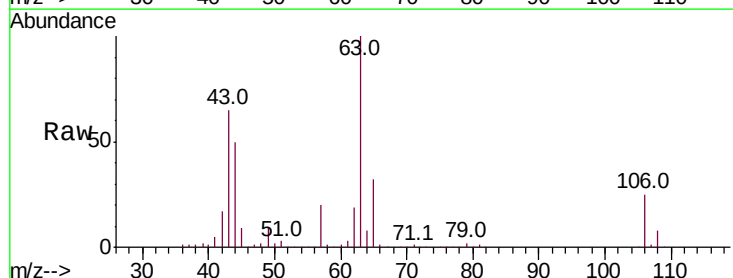
Instrument :
 MSVOA_N
 ClientSampleId :

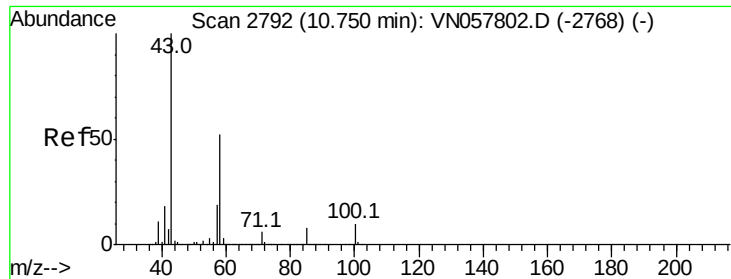
Tot Ion: 76 Resp: 469657
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.928 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 63 Resp: 866813
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.0 30.0

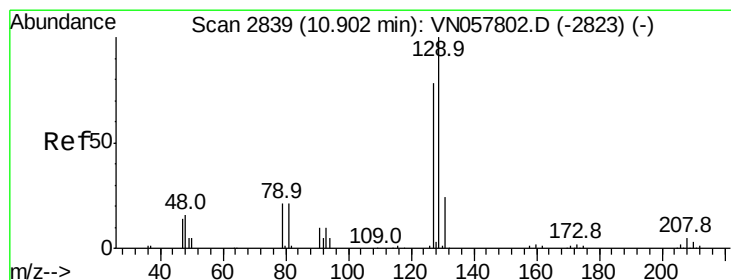
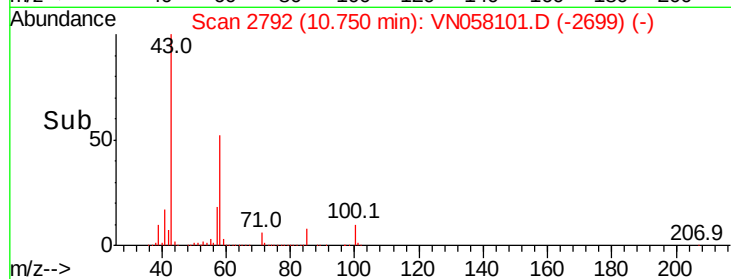
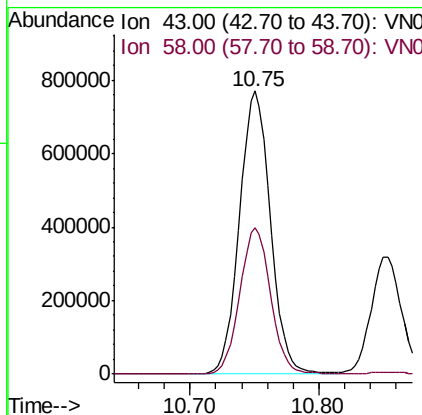
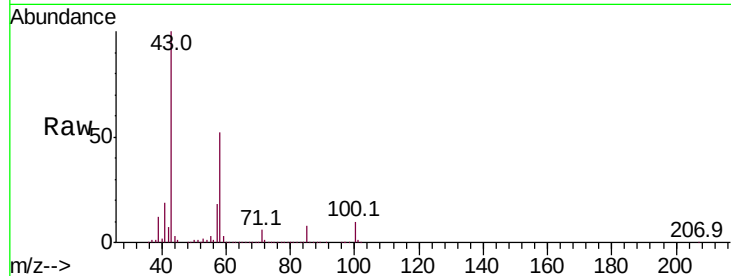




#59
2-Hexanone
Concen: 271.632 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

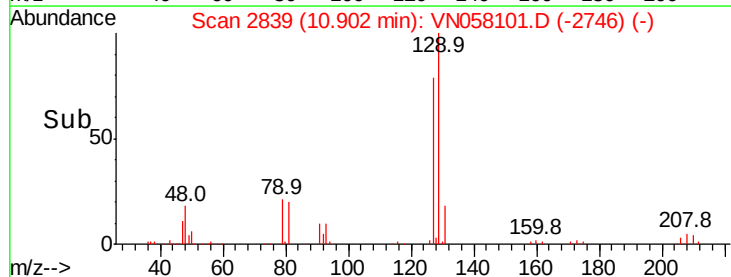
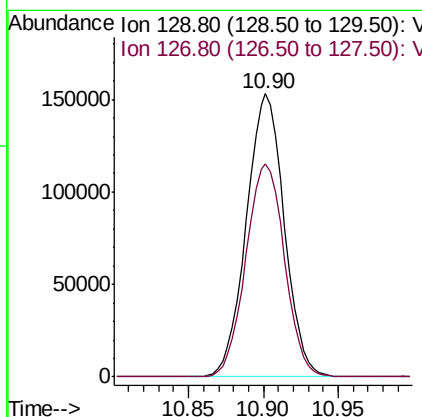
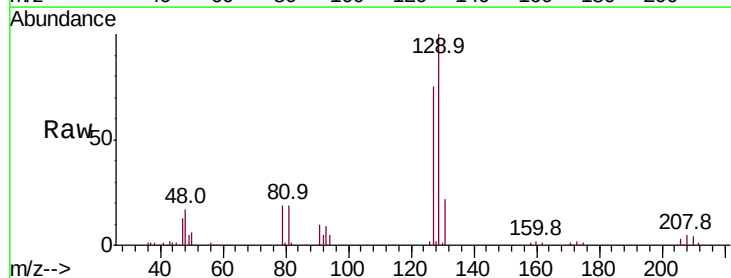
Instrument :
MSVOA_N
ClientSampled :

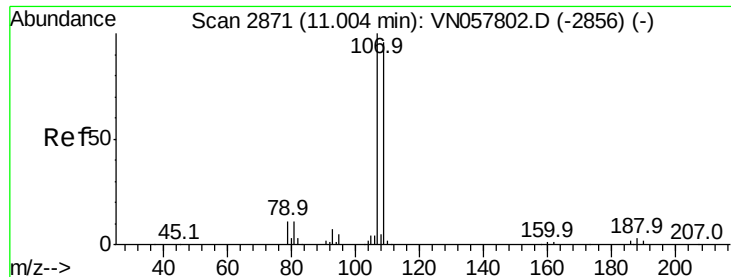
Tot Ion: 43 Resp: 1279554
Ion Ratio Lower Upper
43 100
58 51.8 25.6 76.8



#60
Dibromochloromethane
Concen: 59.214 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 129 Resp: 269957
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 55.352 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

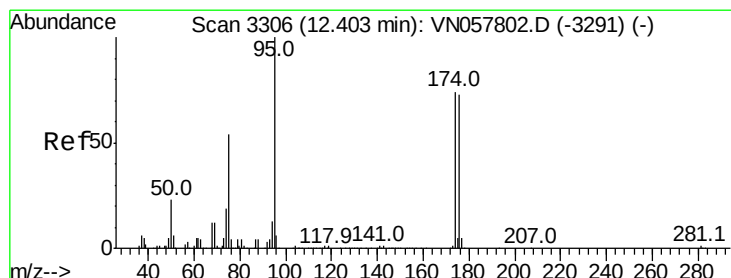
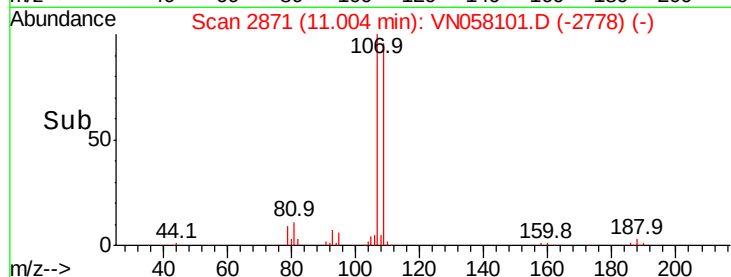
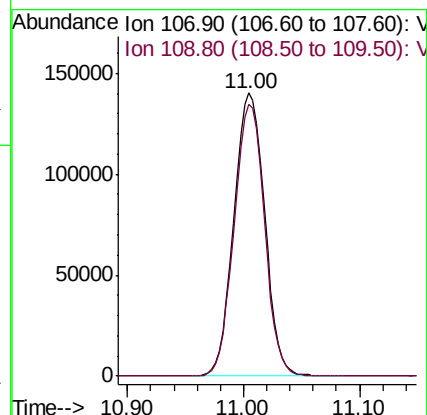
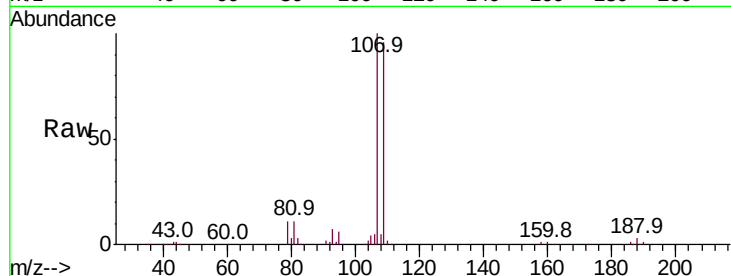
ClientSampleId :

Tot Ion:107 Resp: 256919

Ion Ratio Lower Upper

107 100

109 94.9 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 53.867 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

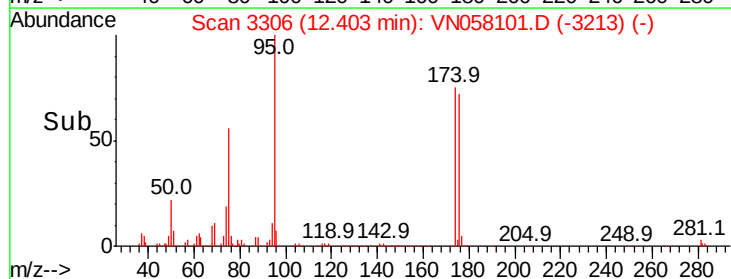
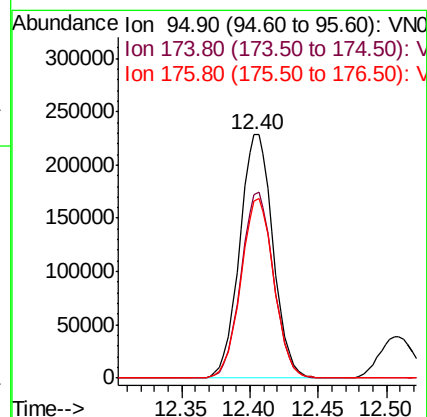
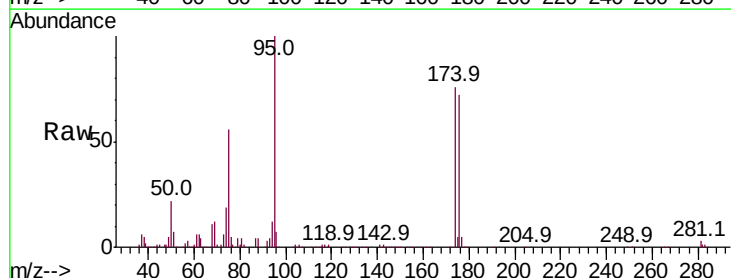
Tgt Ion: 95 Resp: 387703

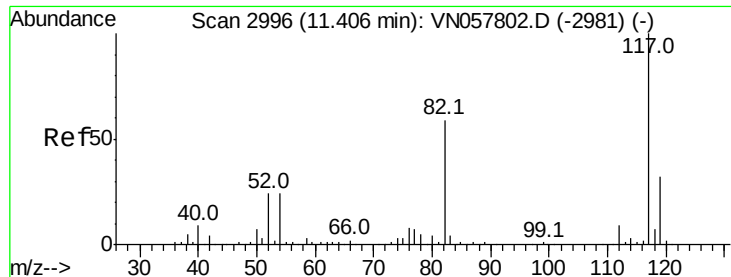
Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

176 72.9 0.0 146.0

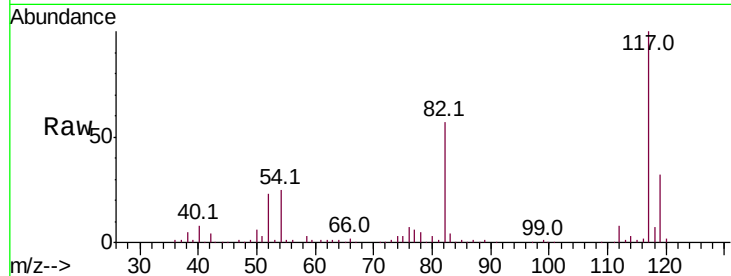




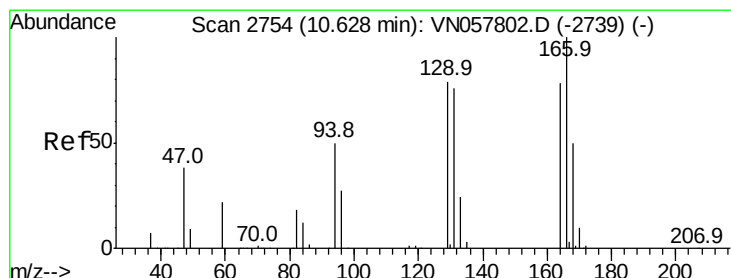
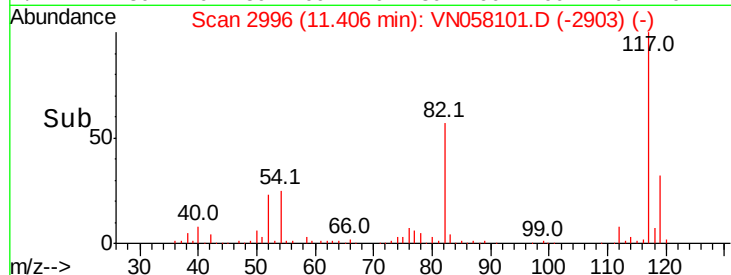
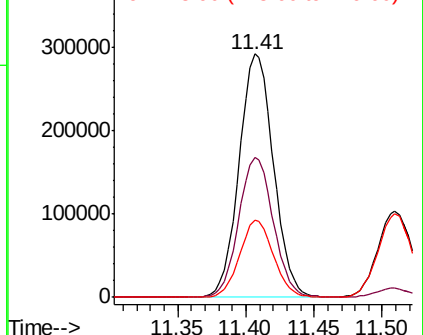
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 511828
Ion Ratio Lower Upper
117 100
82 57.4 47.2 70.8
119 31.9 25.3 37.9

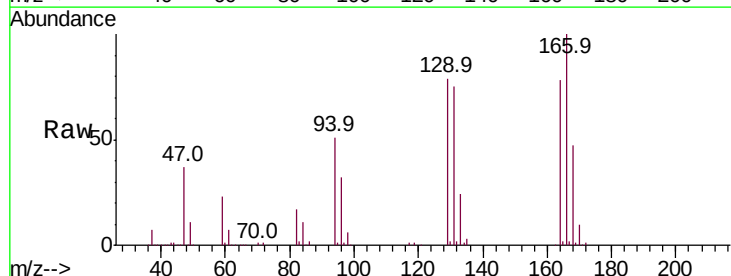


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

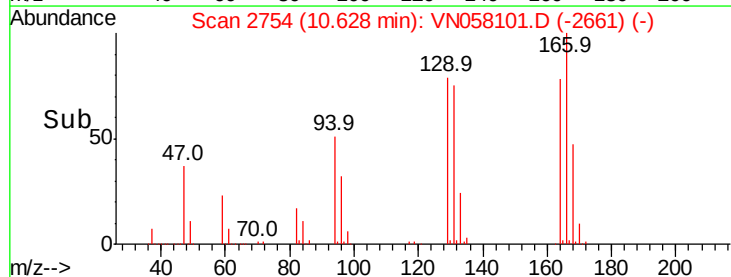
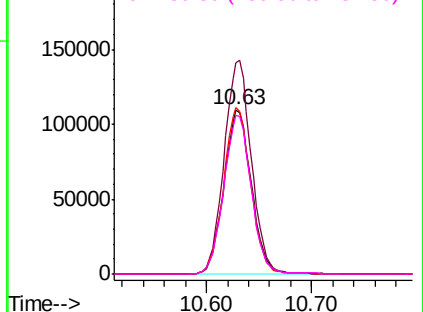


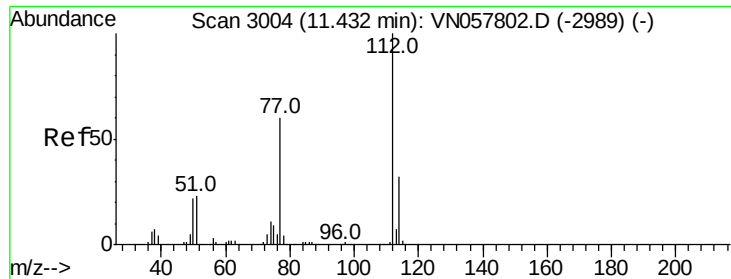
#64
Tetrachloroethene
Concen: 52.166 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion:164 Resp: 197141
Ion Ratio Lower Upper
164 100
166 128.7 102.2 153.2
129 101.3 80.8 121.2
131 96.5 77.4 116.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

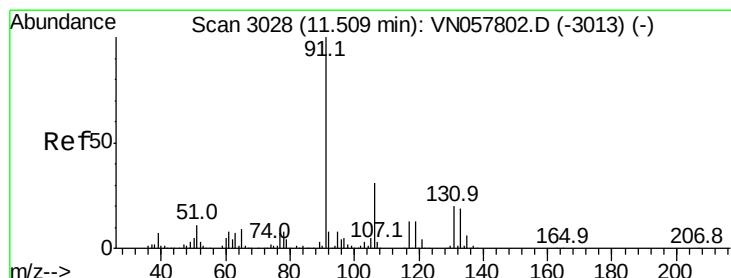
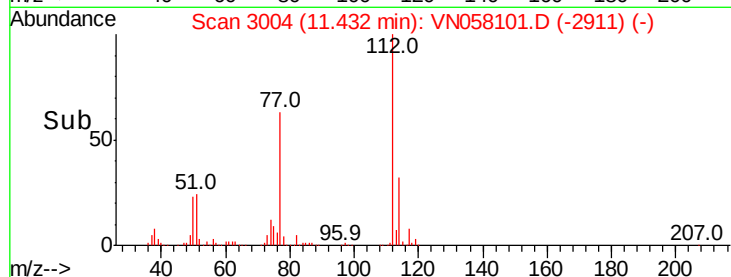
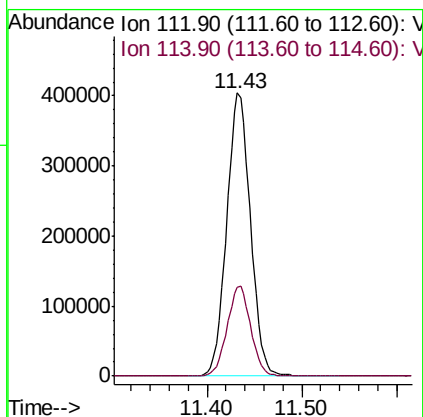
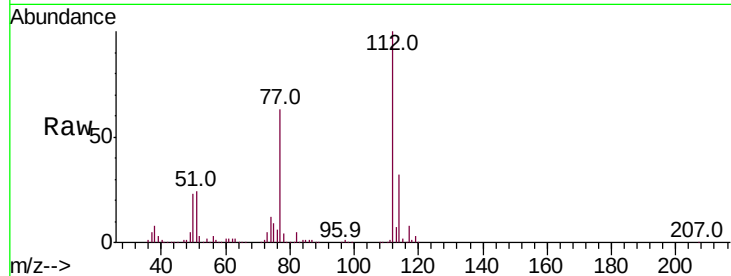




#65
Chlorobenzene
Concen: 52.528 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

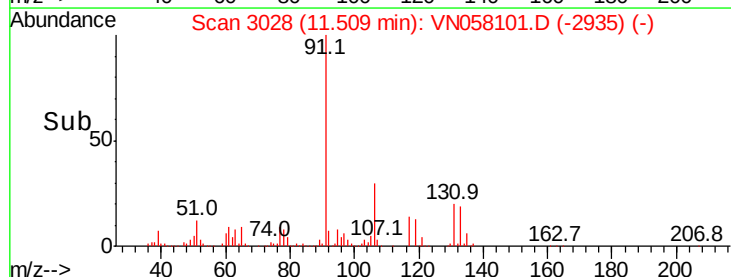
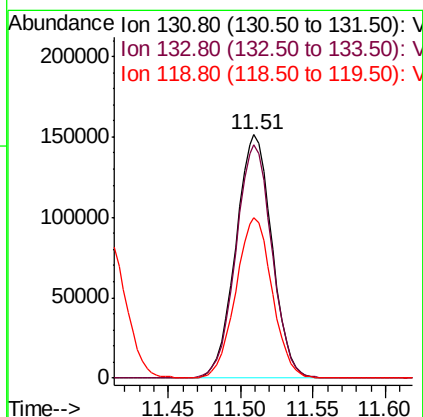
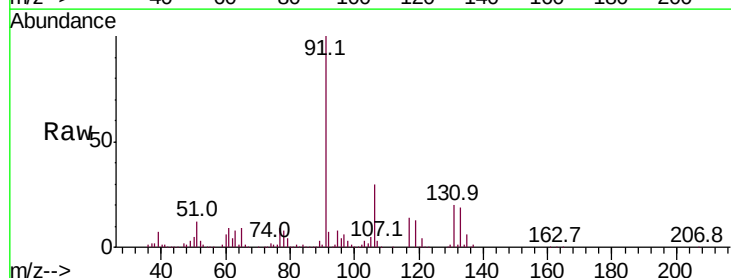
Instrument :
MSVOA_N
ClientSampleId :

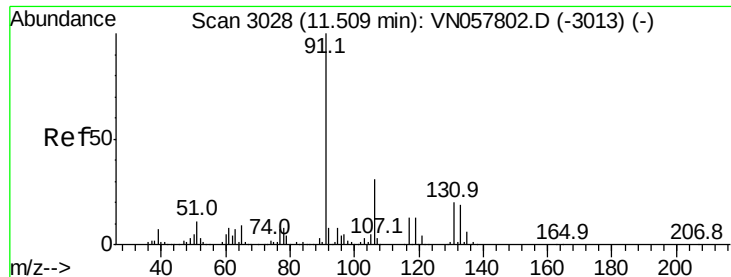
Tot Ion:112 Resp: 703612
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 56.319 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion:131 Resp: 261769
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.3
119 66.3 33.3 99.8

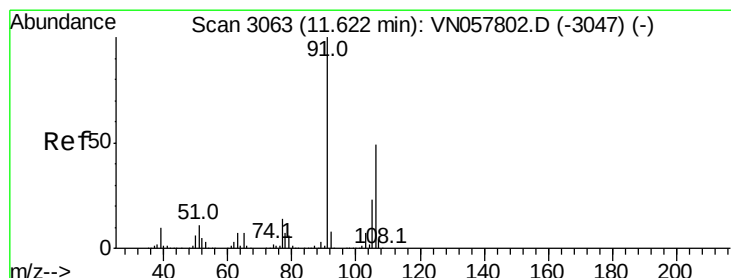
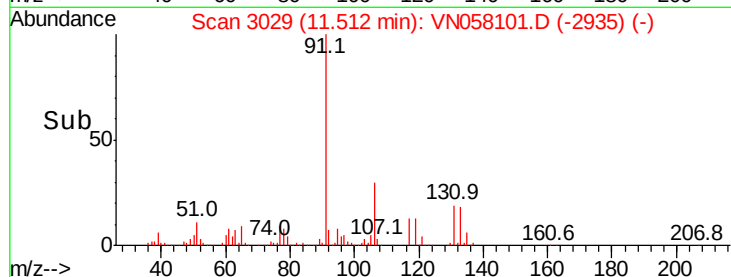
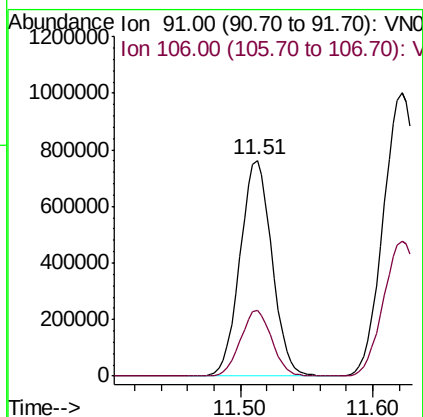
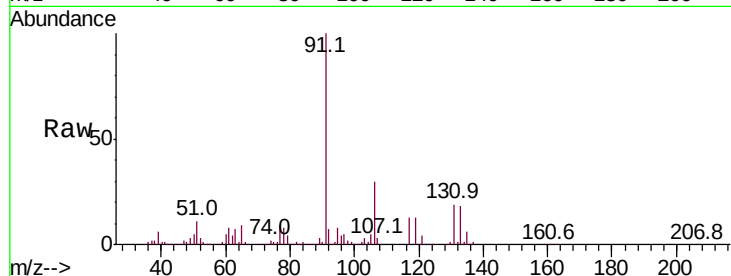




#67
Ethyl Benzene
Concen: 54.235 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

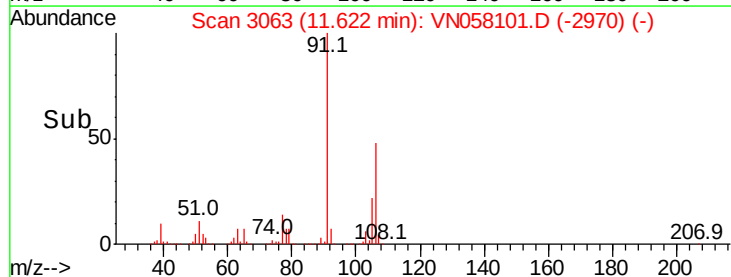
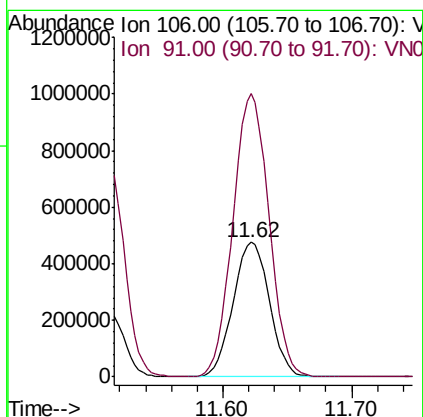
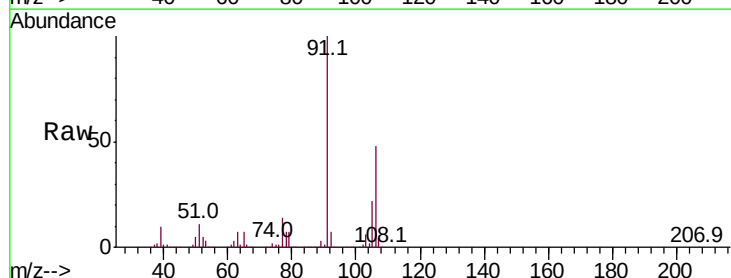
Instrument :
MSVOA_N
ClientSampled :

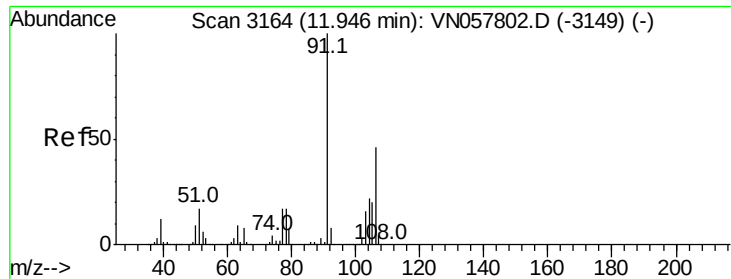
Tot Ion: 91 Resp: 1273165
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6



#68
m/p-Xylenes
Concen: 108.201 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 106 Resp: 930409
Ion Ratio Lower Upper
106 100
91 209.2 165.8 248.6

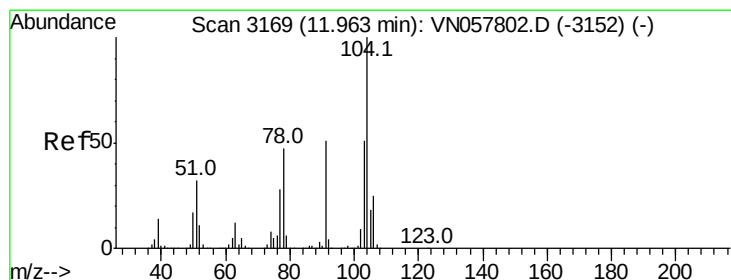
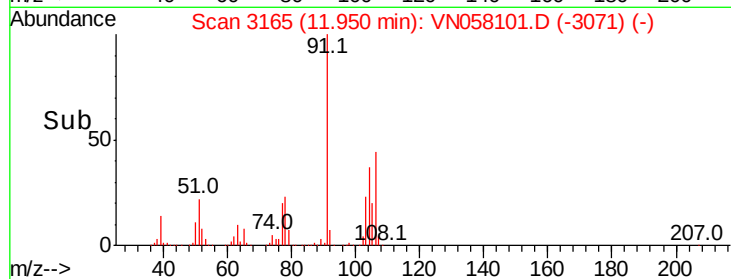
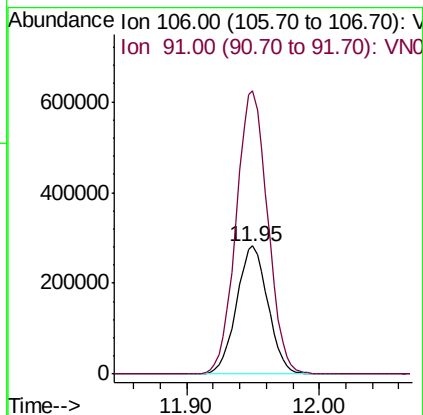
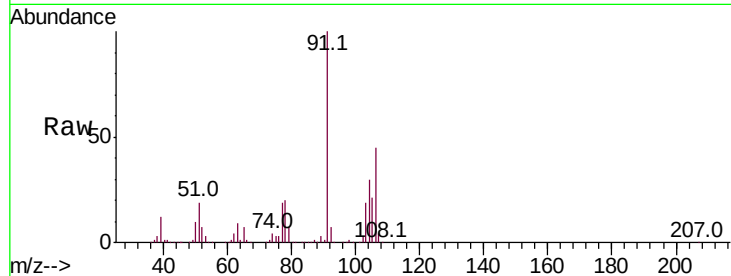




#69
o-Xylene
Concen: 54.328 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

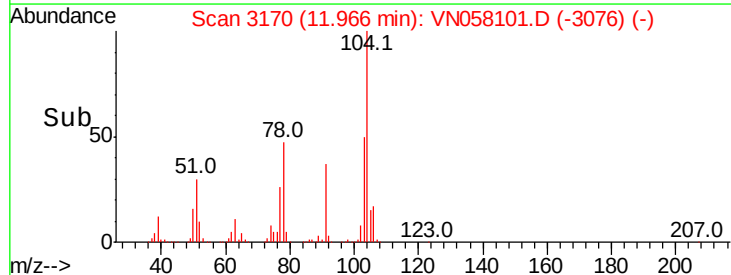
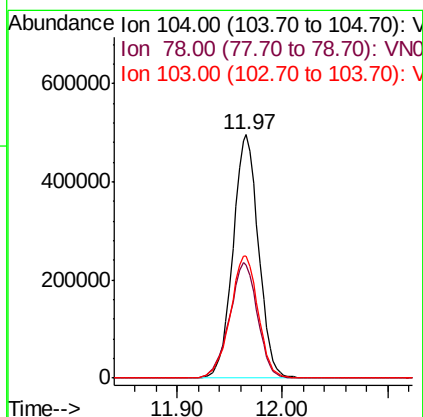
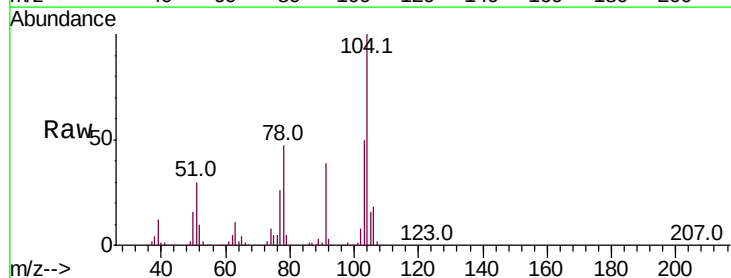
Instrument :
MSVOA_N
ClientSampled :

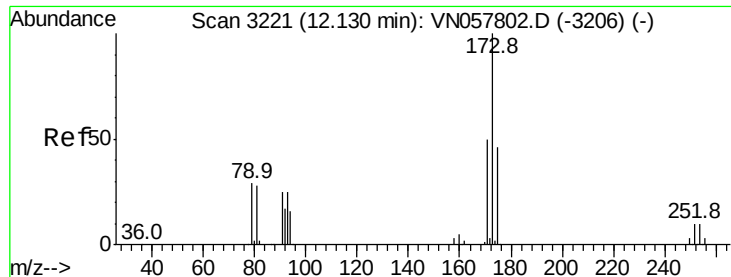
Tot Ion:106 Resp: 464425
Ion Ratio Lower Upper
106 100
91 222.1 108.7 326.1



#70
Styrene
Concen: 56.312 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion:104 Resp: 828461
Ion Ratio Lower Upper
104 100
78 52.1 41.3 61.9
103 54.9 43.7 65.5





#71

Bromoform

Concen: 58.683 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampled :

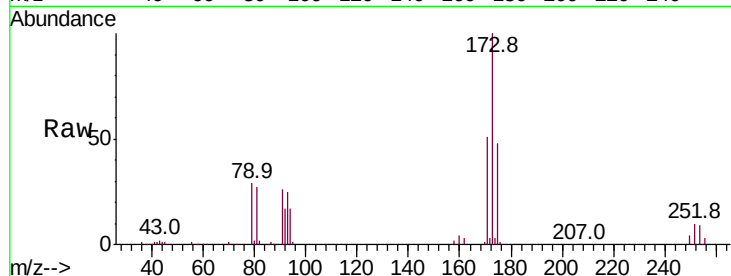
Tot Ion:173 Resp: 170052

Ion Ratio Lower Upper

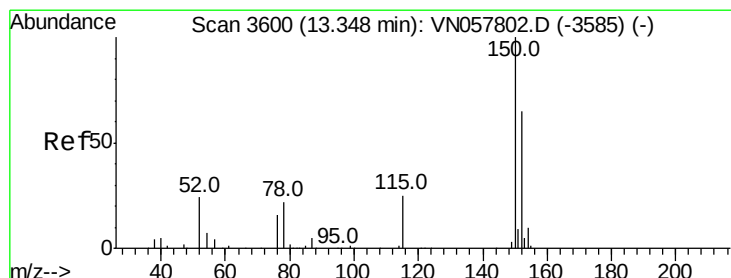
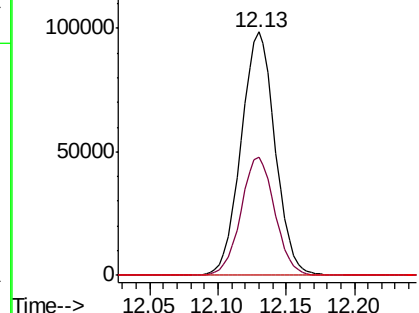
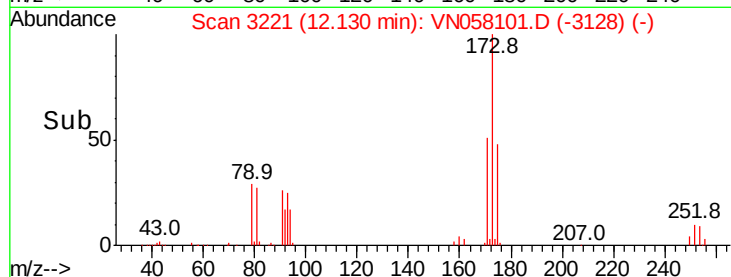
173 100

175 48.3 23.5 70.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

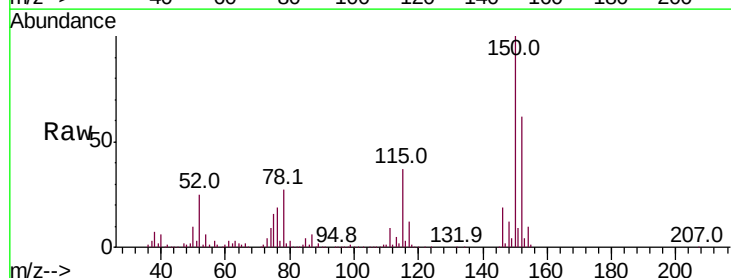
Tgt Ion:152 Resp: 320035

Ion Ratio Lower Upper

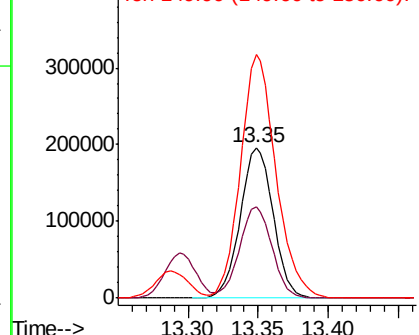
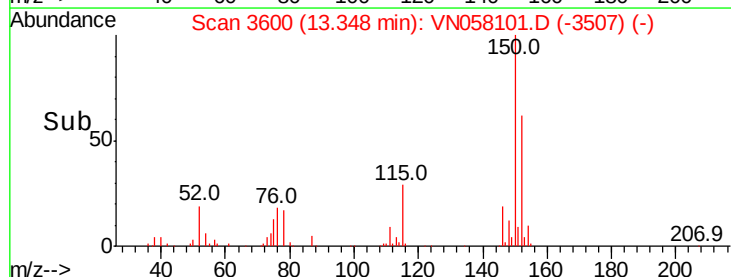
152 100

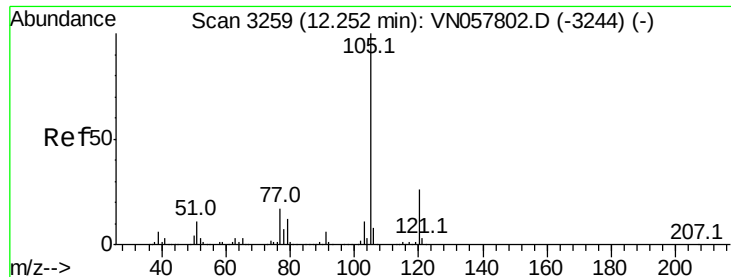
115 59.7 30.3 91.0

150 174.7 0.0 352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.634 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

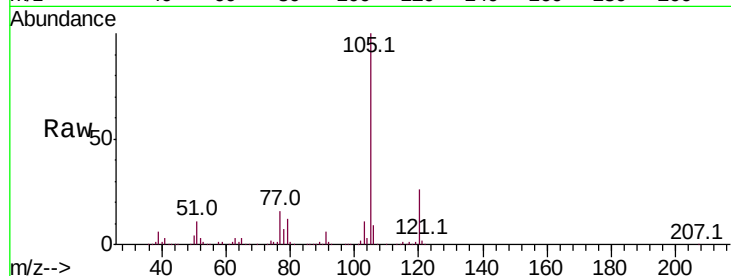
ClientSampleId :

Tot Ion:105 Resp: 1307094

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

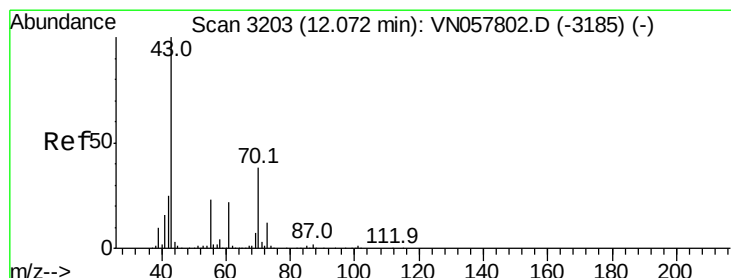
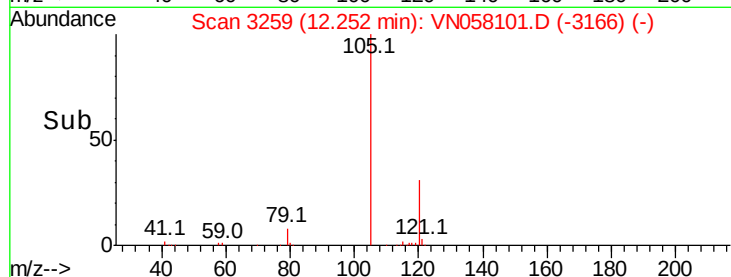
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 51.402 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion: 43 Resp: 555532

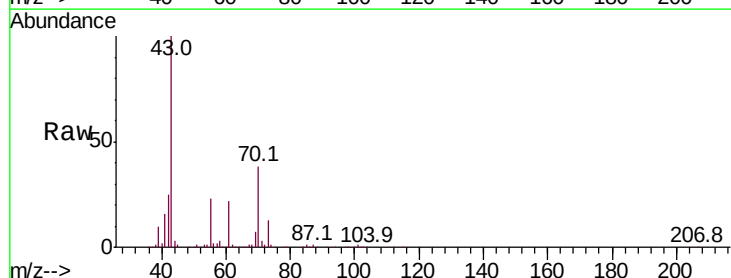
Ion Ratio Lower Upper

43 100

70 38.4 30.6 45.8

55 23.8 18.6 27.8

61 21.8 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

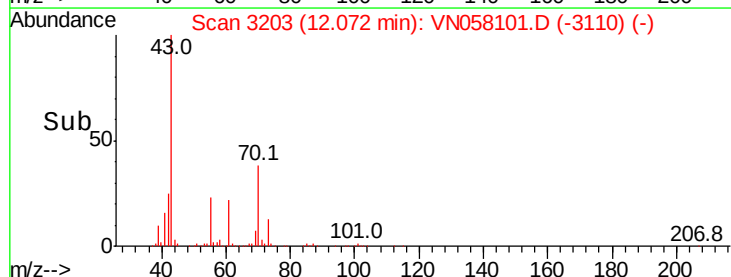
300000

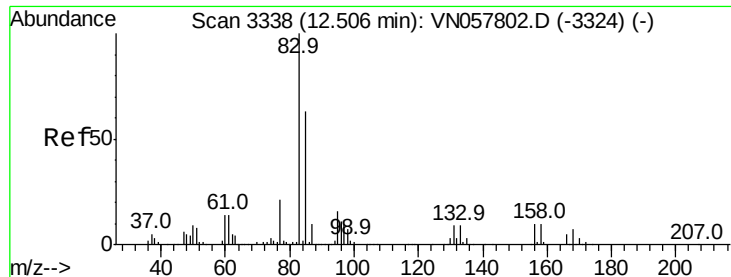
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.968 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

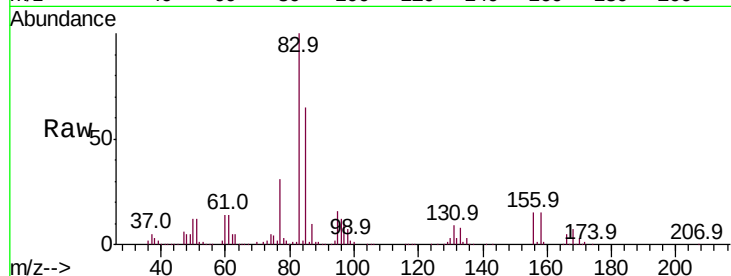
Tot Ion: 83 Resp: 426165

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	64.2	31.6	94.7

83 100

131 9.3 4.8 14.3

85 64.2 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.51

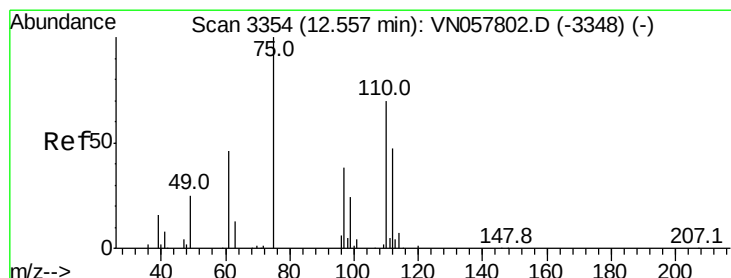
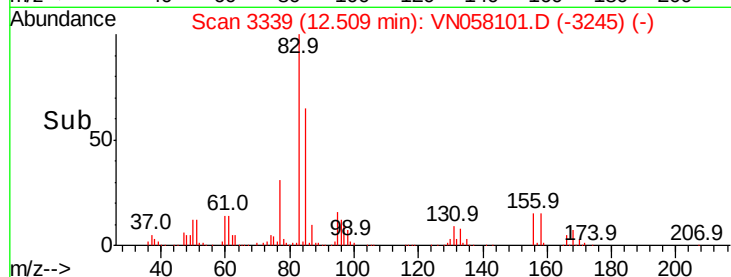
200000

100000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 69.866 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058101.D

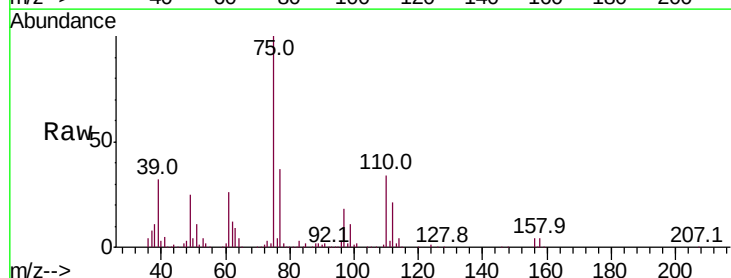
Acq: 15 Sep 2019 18:41

Tgt Ion: 75 Resp: 505811

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.56

300000

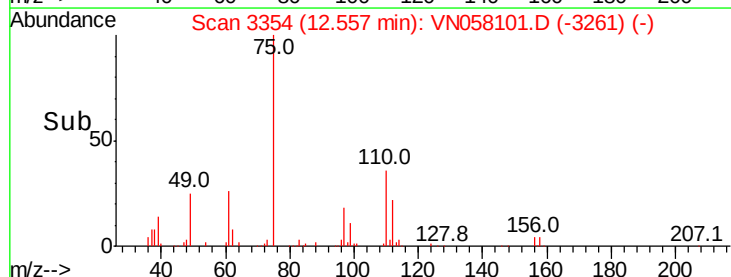
200000

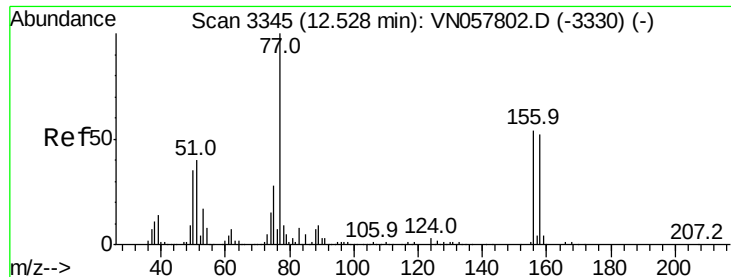
100000

0

Time-->

12.50 12.55 12.60





#77

Bromobenzene

Concen: 49.421 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

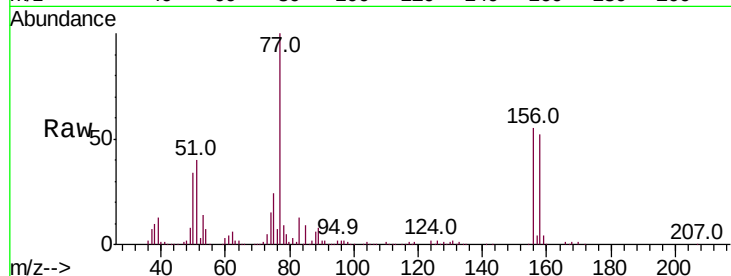
Tot Ion:156 Resp: 305991

Ion Ratio Lower Upper

156 100

77 222.8 113.7 341.1

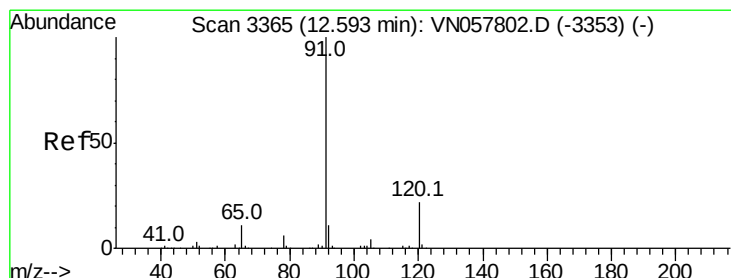
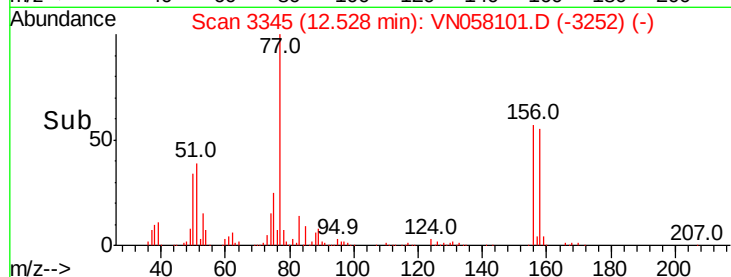
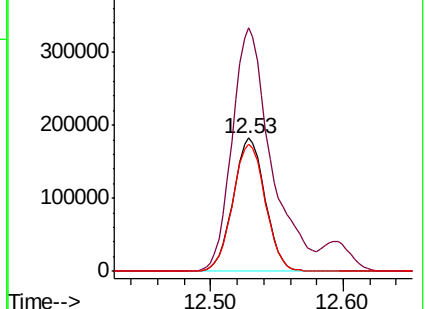
158 97.2 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.312 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058101.D

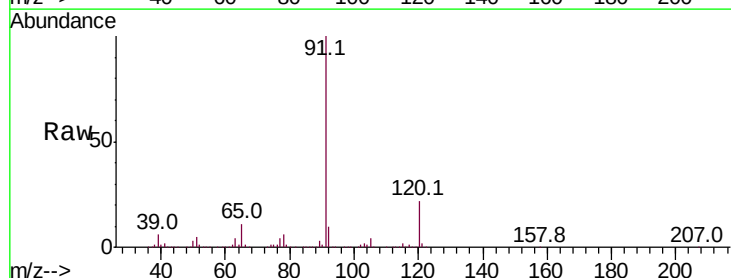
Acq: 15 Sep 2019 18:41

Tgt Ion: 91 Resp: 1548801

Ion Ratio Lower Upper

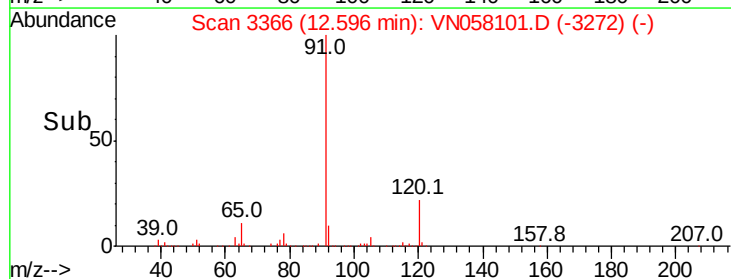
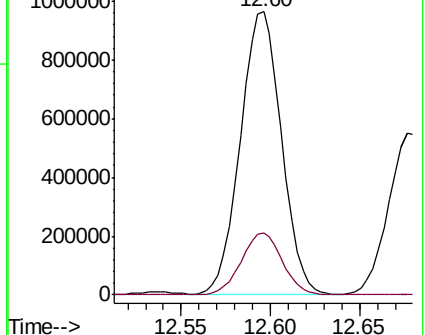
91 100

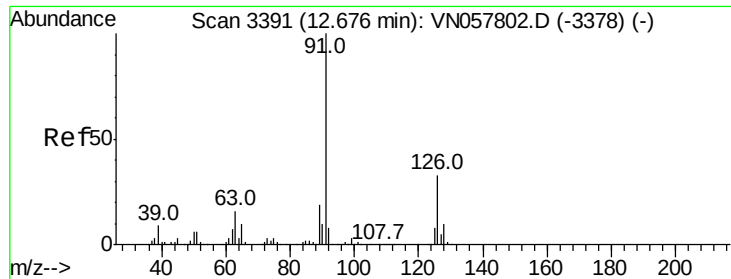
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.748 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

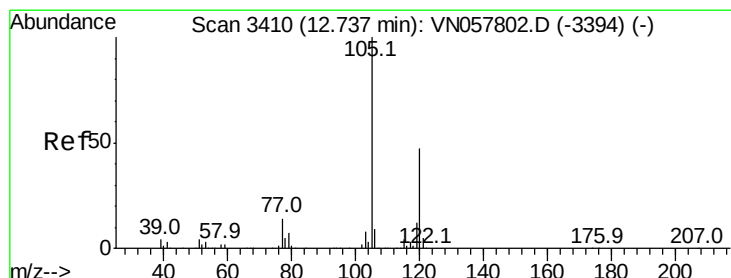
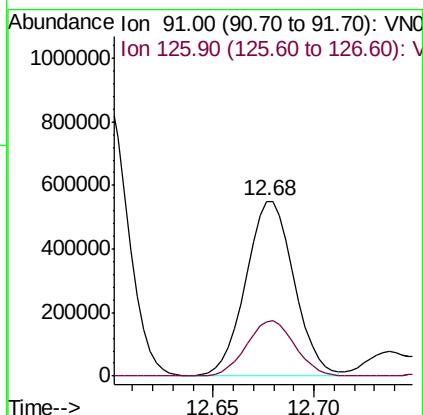
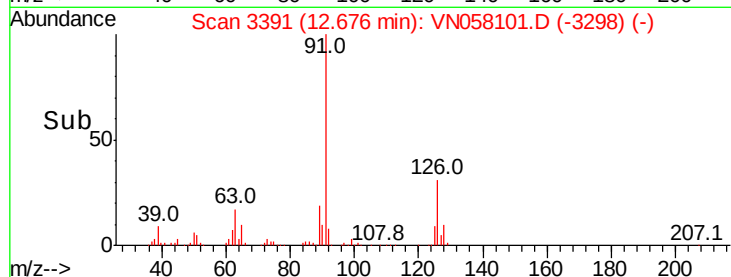
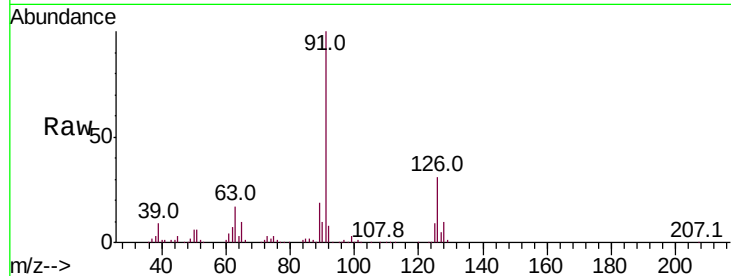
ClientSampled :

Tot Ion: 91 Resp: 914649

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 53.895 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058101.D

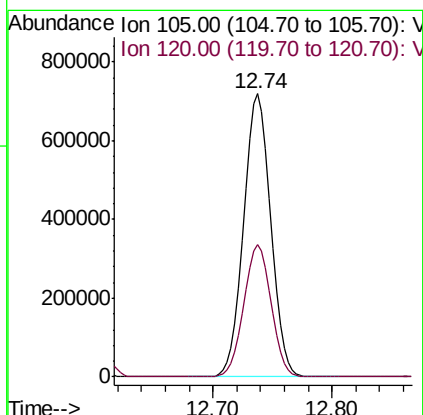
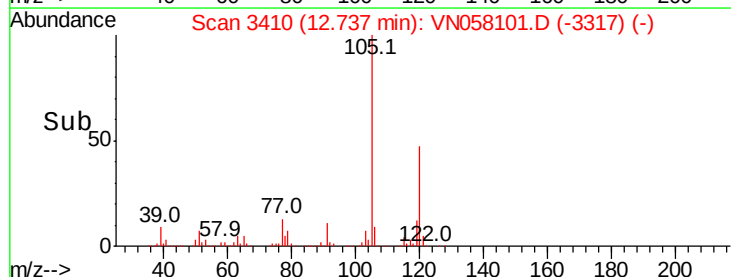
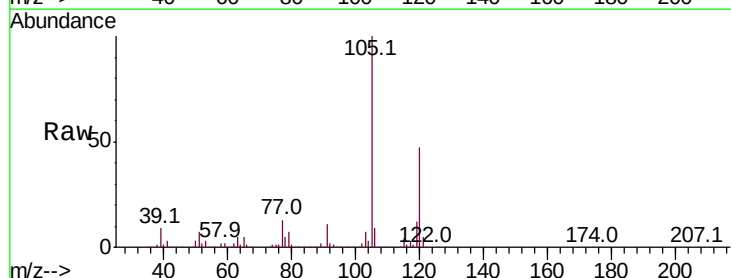
Acq: 15 Sep 2019 18:41

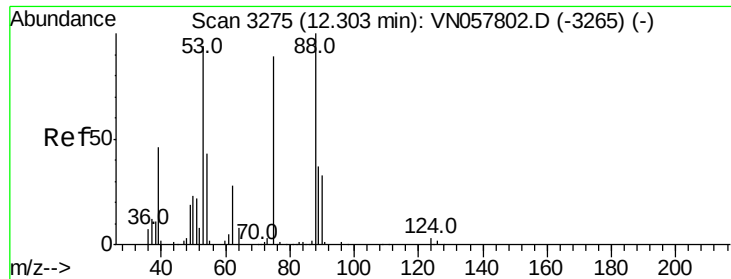
Tgt Ion:105 Resp: 1130870

Ion Ratio Lower Upper

105 100

120 47.2 23.7 71.1

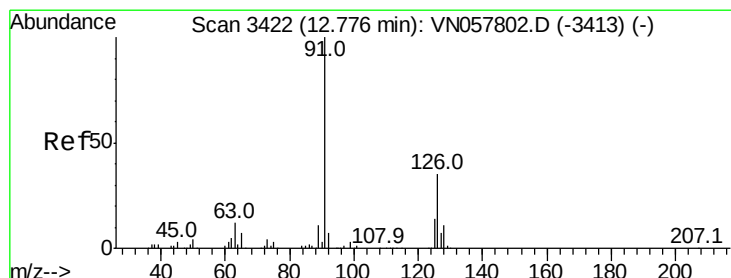
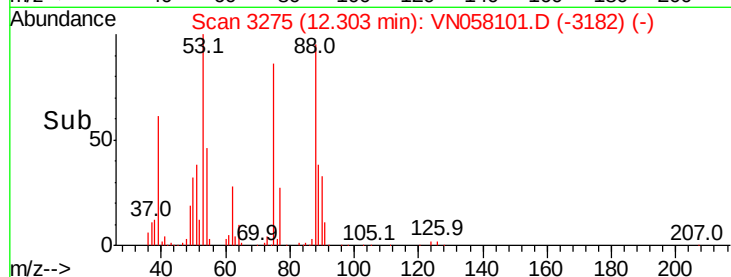
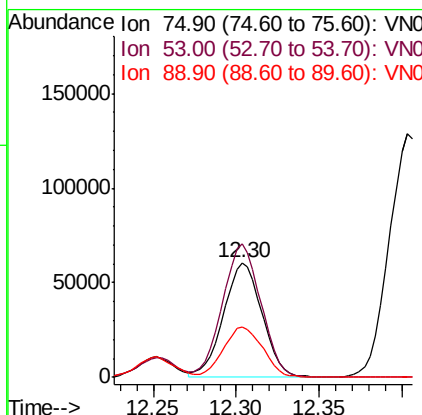
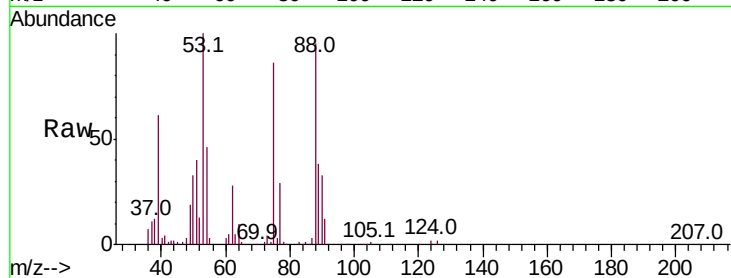




#81
trans-1,4-Dichloro-2-butene
Concen: 47.492 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

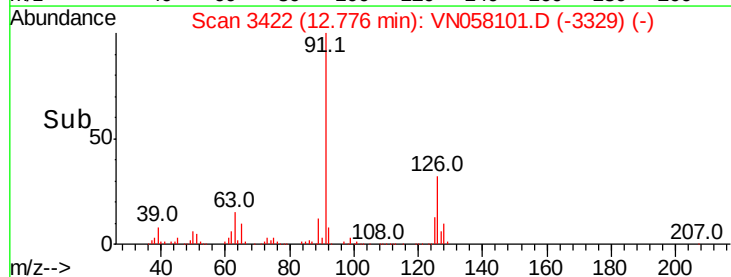
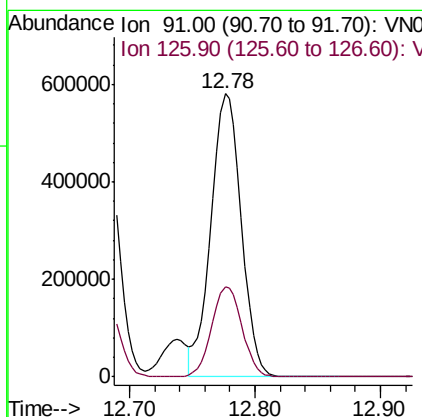
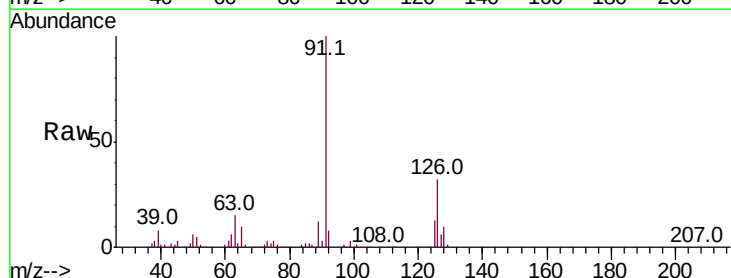
Instrument :
MSVOA_N
ClientSampled :

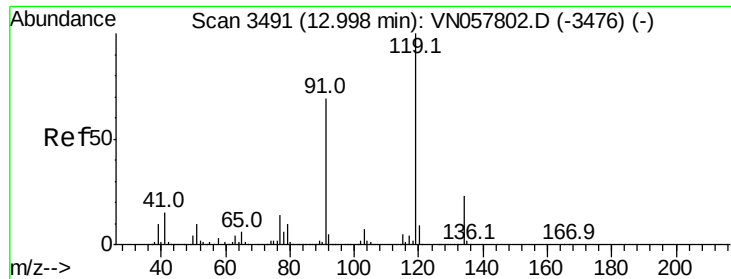
Tot Ion: 75 Resp: 97707
Ion Ratio Lower Upper
75 100
53 116.1 88.4 132.6
89 45.0 35.3 52.9



#82
4-Chlorotoluene
Concen: 52.537 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 91 Resp: 972403
Ion Ratio Lower Upper
91 100
126 31.8 16.0 48.0

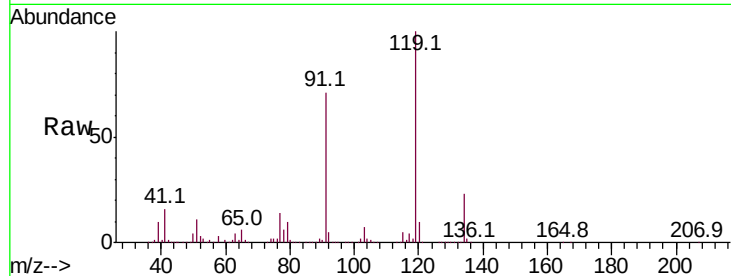




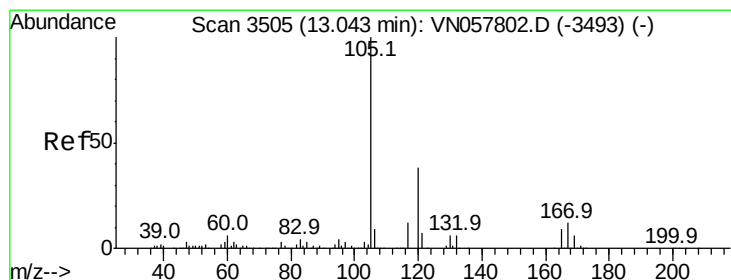
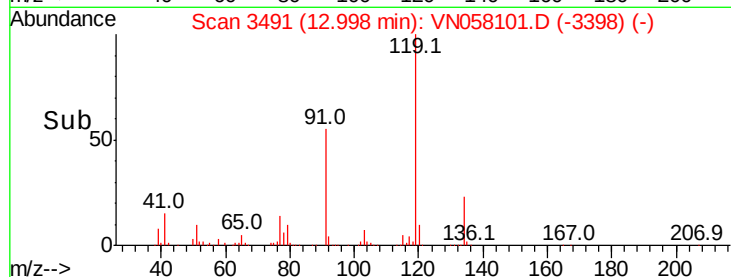
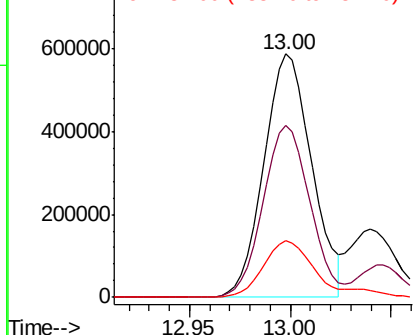
#83
 tert-Butylbenzene
 Concen: 51.952 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 968996
 Ion Ratio Lower Upper
 119 100
 91 69.4 33.6 100.8
 134 23.6 11.7 35.0

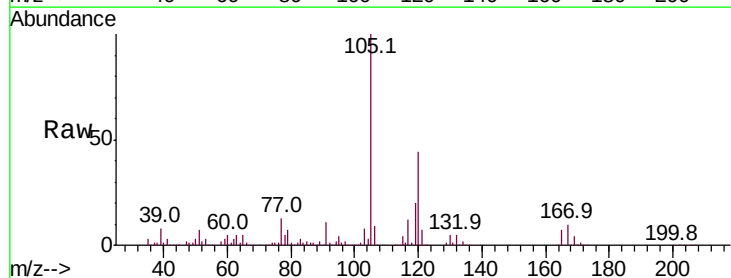


Abundance Ion 119.00 (118.70 to 119.70): V
 800000 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

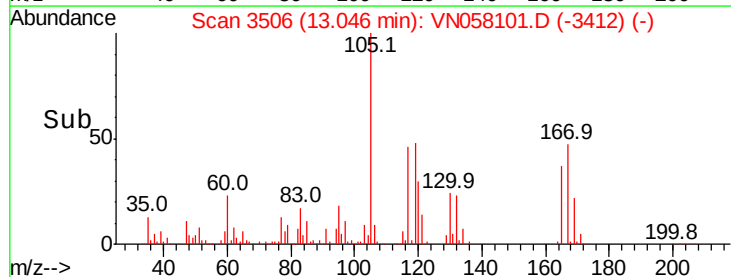
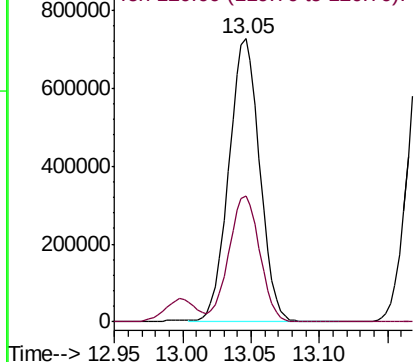


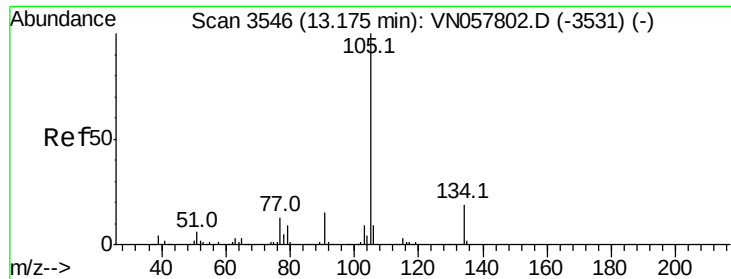
#84
 1,2,4-Trimethylbenzene
 Concen: 53.476 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion:105 Resp: 1140438
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V
 800000 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.429 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

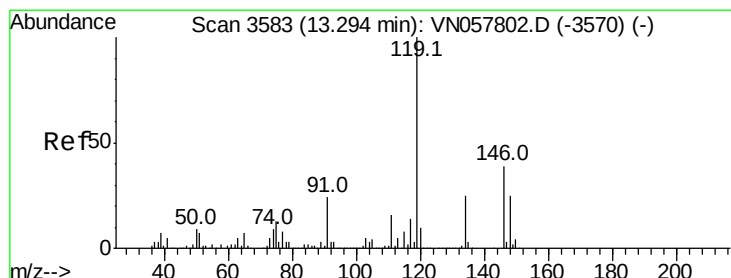
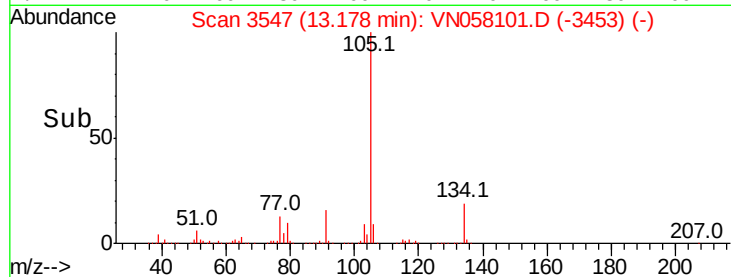
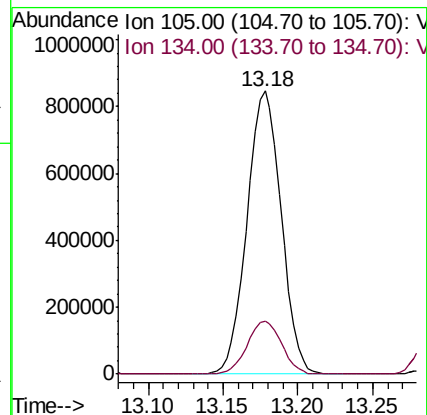
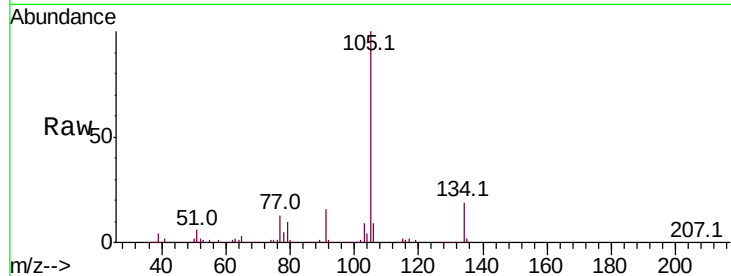
ClientSampleId :

Tot Ion:105 Resp: 1345587

Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.6



#86

p-Isopropyltoluene

Concen: 55.299 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

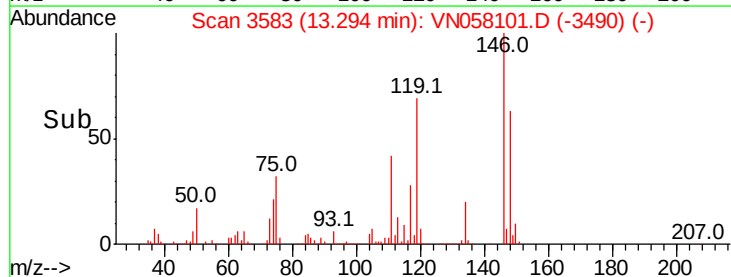
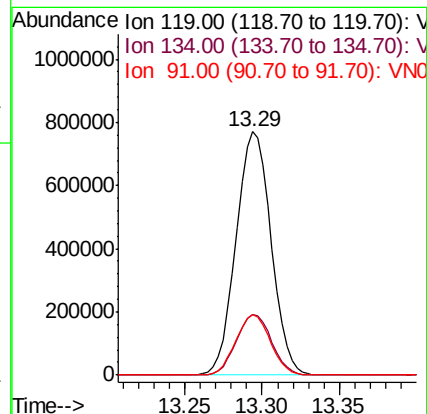
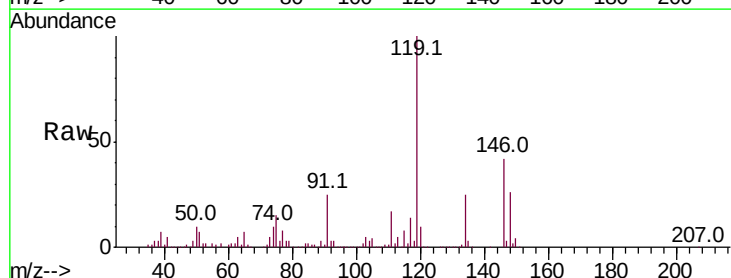
Tgt Ion:119 Resp: 1204556

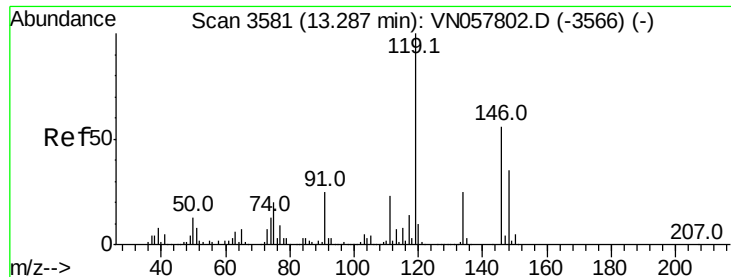
Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

91 24.6 12.3 36.8

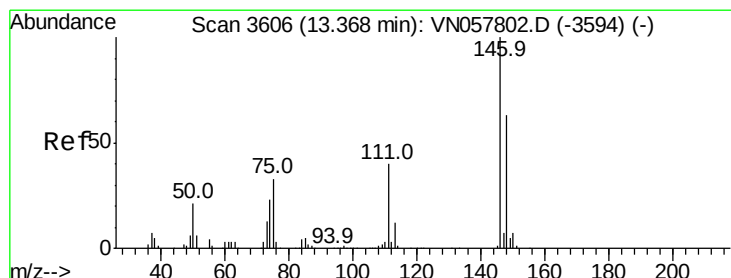
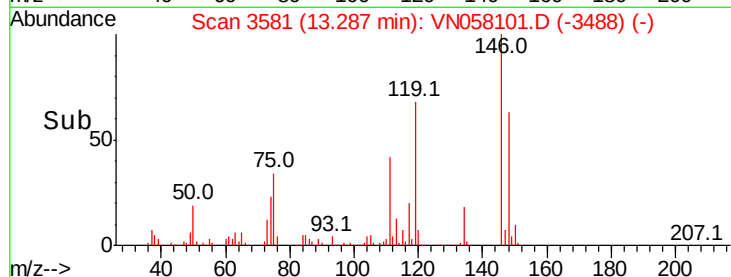
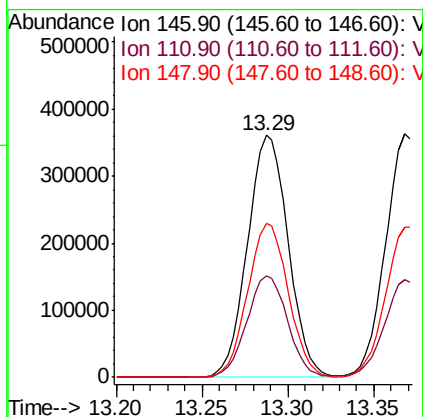
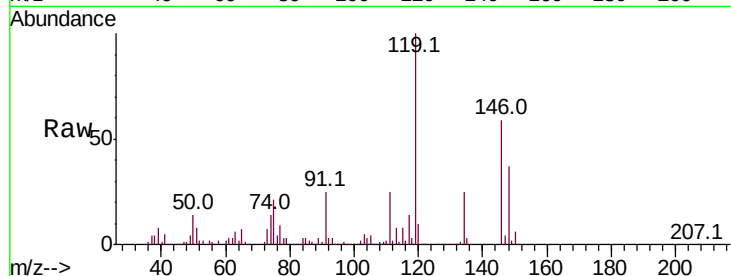




#87
 1,3-Dichlorobenzene
 Concen: 52.145 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

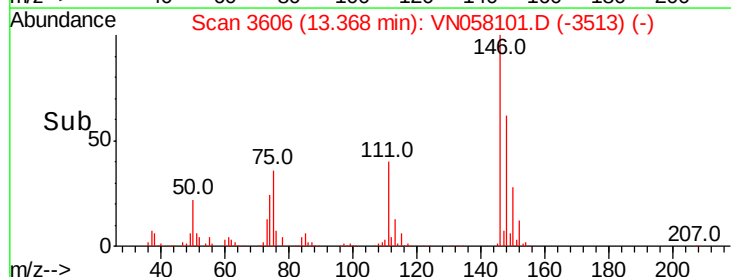
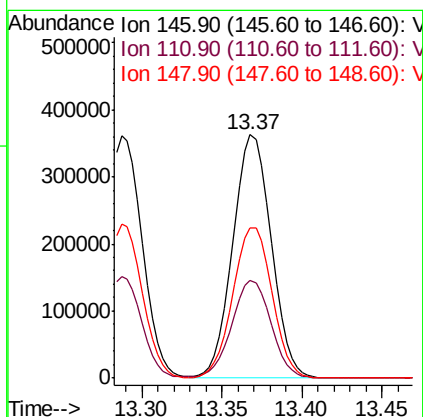
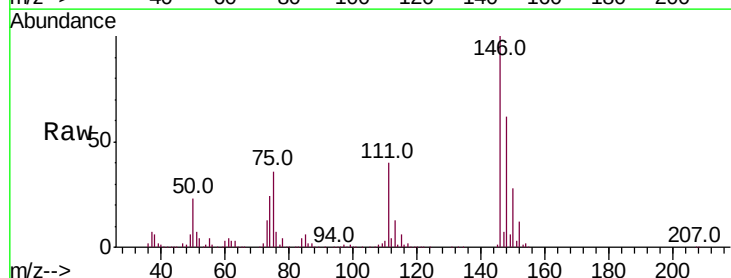
Instrument :
 MSVOA_N
 ClientSampled :

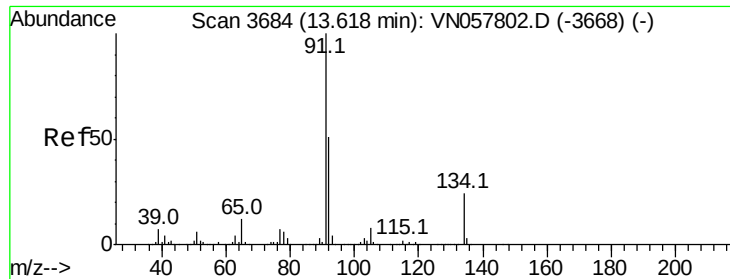
Tot Ion:146 Resp: 592614
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.5 61.6
 148 63.5 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 51.378 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion:146 Resp: 592689
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.2
 148 63.1 31.8 95.4





#89

n-Butylbenzene

Concen: 54.877 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampled :

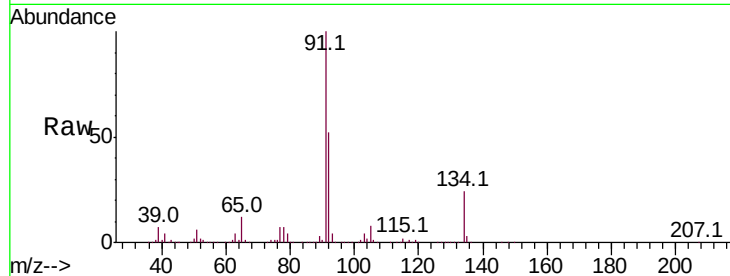
Tot Ion: 91 Resp: 1128850

Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.0
134	24.0	11.9	35.7

91 100

92 51.5 25.7 77.0

134 24.0 11.9 35.7

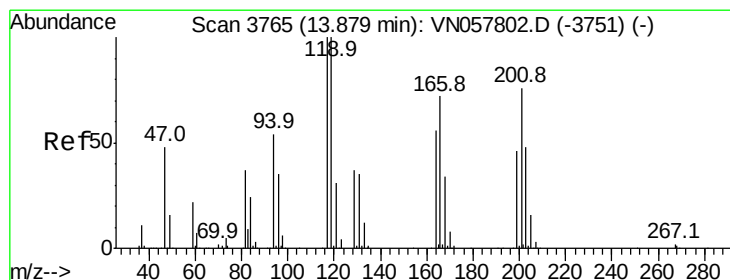
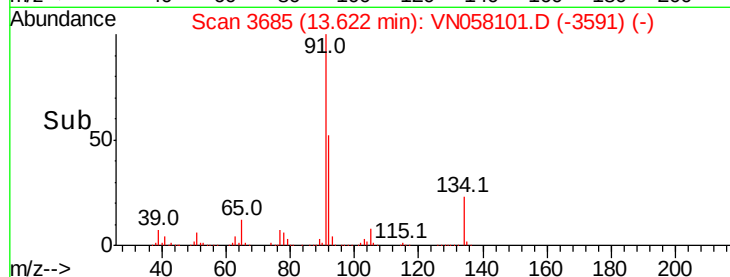
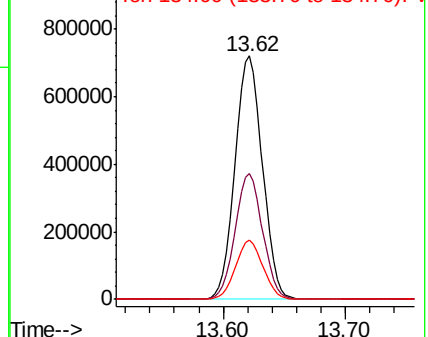


Abundance

Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)



#90

Hexachloroethane

Concen: 54.845 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058101.D

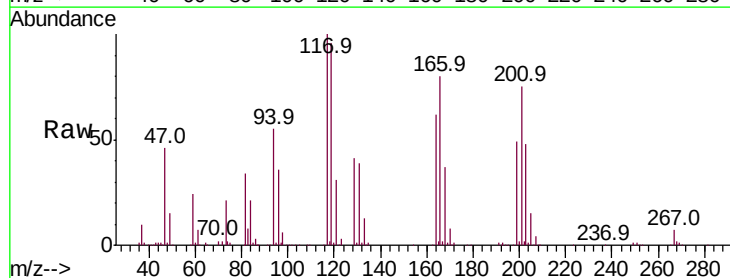
Acq: 15 Sep 2019 18:41

Tgt Ion: 117 Resp: 177671

Ion	Ratio	Lower	Upper
117	100		
201	75.9	37.5	112.7

117 100

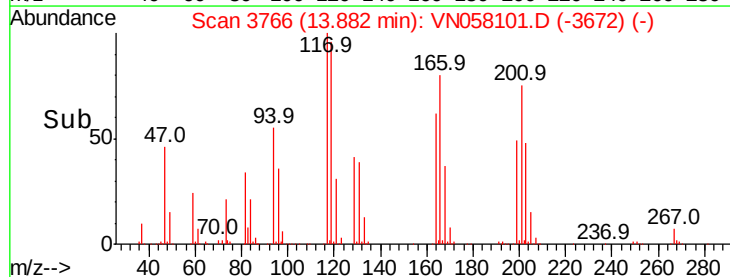
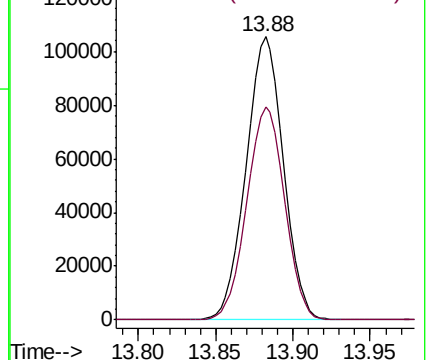
201 75.9 37.5 112.7

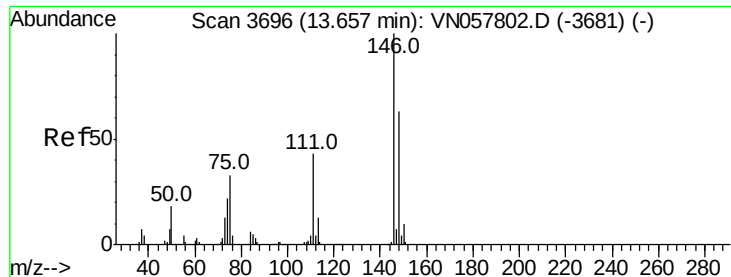


Abundance

Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)

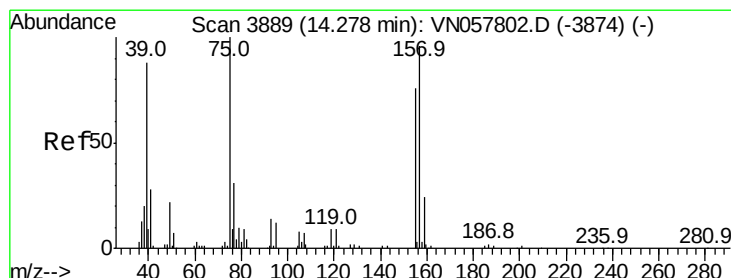
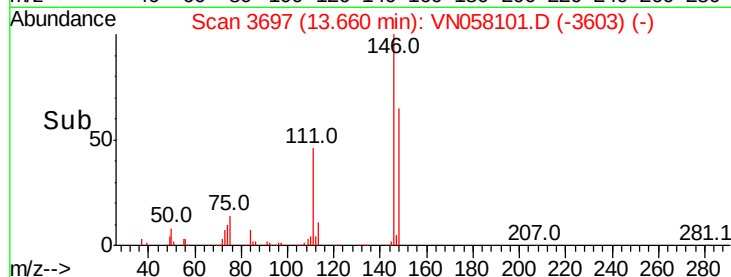
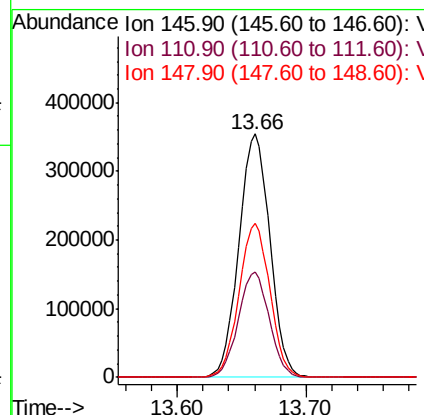
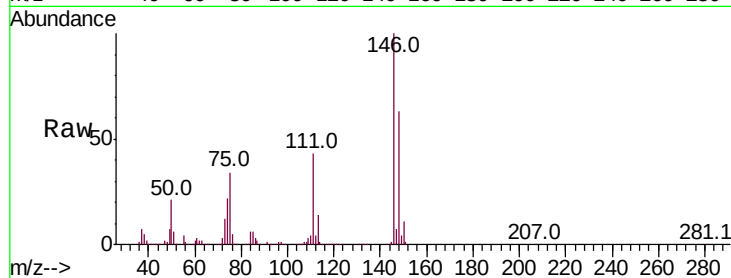




#91
 1,2-Dichlorobenzene
 Concen: 52.138 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

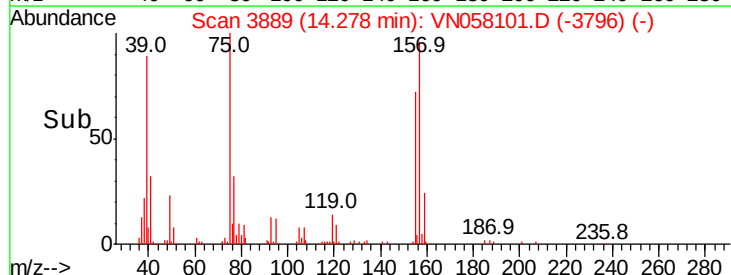
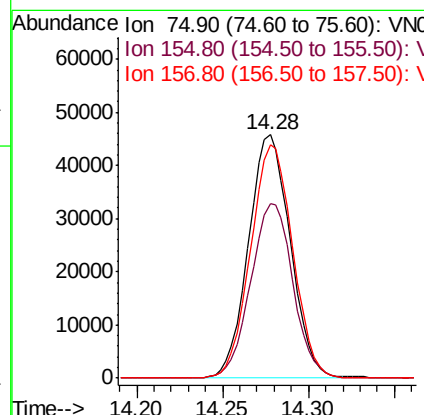
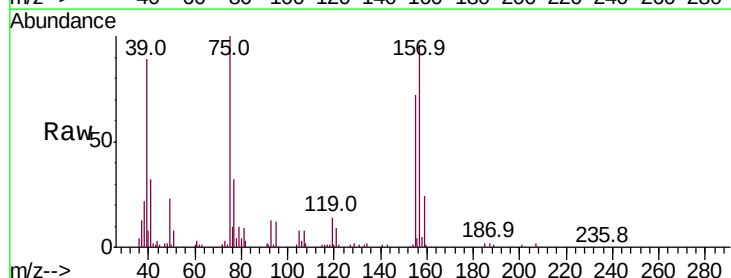
Instrument :
 MSVOA_N
 ClientSampleId :

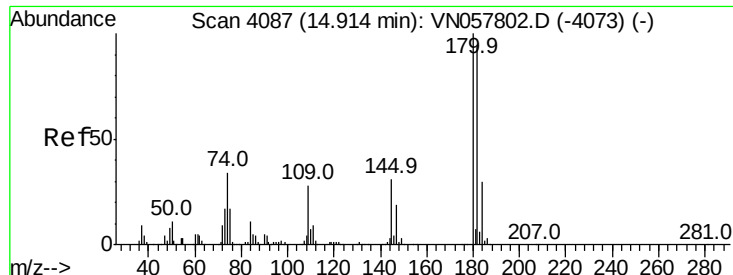
Tot Ion:146 Resp: 591960
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.3 63.9
 148 62.9 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.891 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 75 Resp: 77177
 Ion Ratio Lower Upper
 75 100
 155 72.4 37.3 111.8
 157 96.2 47.9 143.8

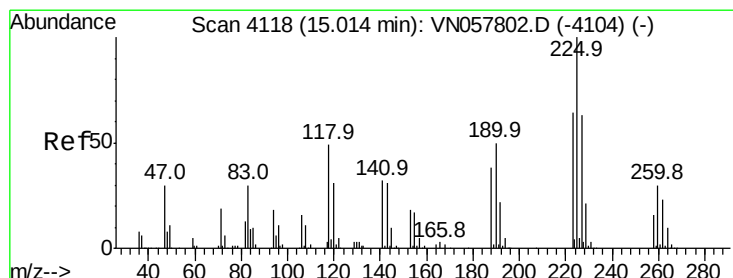
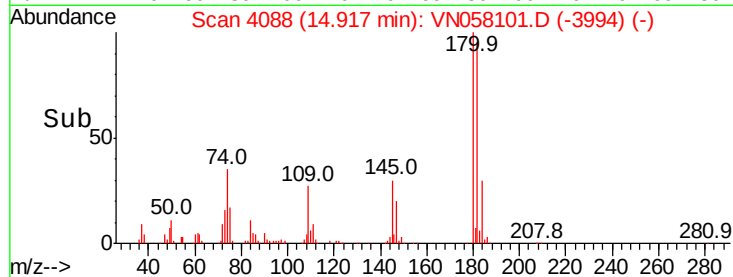
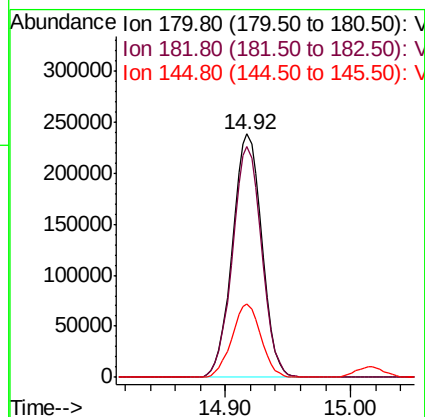
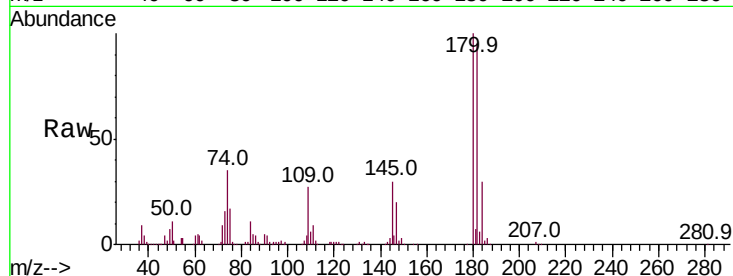




#93
 1,2,4-Trichlorobenzene
 Concen: 52.213 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

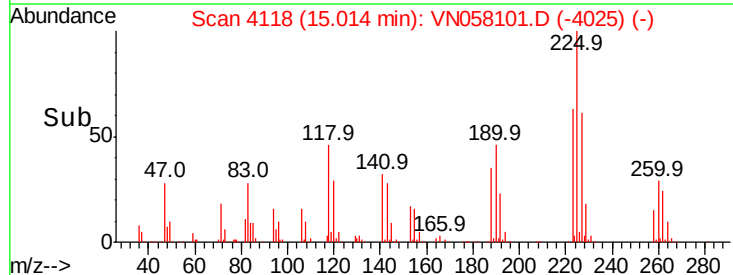
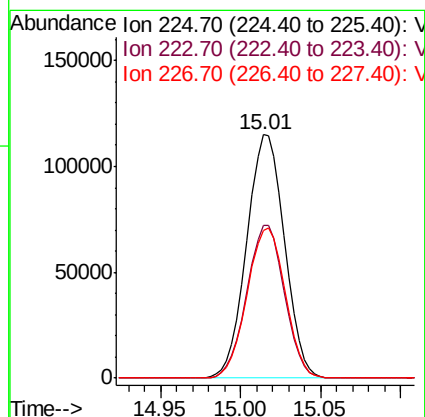
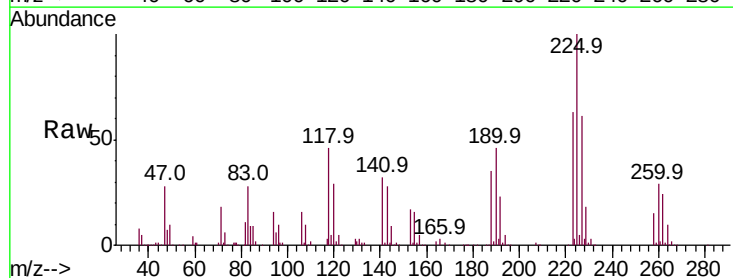
Instrument :
 MSVOA_N
 ClientSampled :

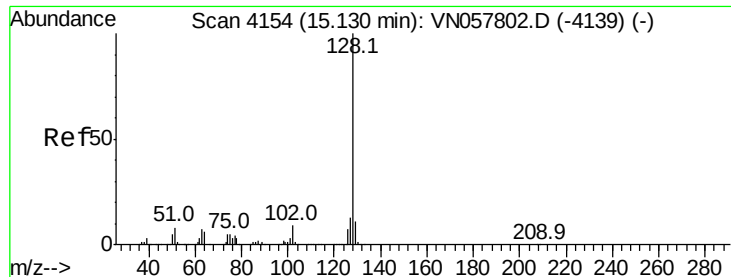
Tot Ion:180 Resp: 387472
 Ion Ratio Lower Upper
 180 100
 182 94.4 46.9 140.8
 145 29.9 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 58.840 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion:225 Resp: 185100
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.4 97.2
 227 62.4 31.8 95.4





#95

Naphthalene

Concen: 55.461 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

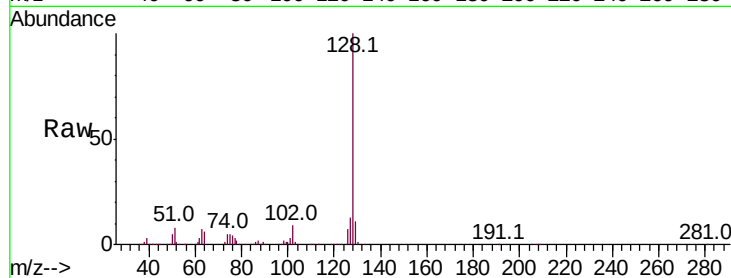
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1035836

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.7	8.6	12.8

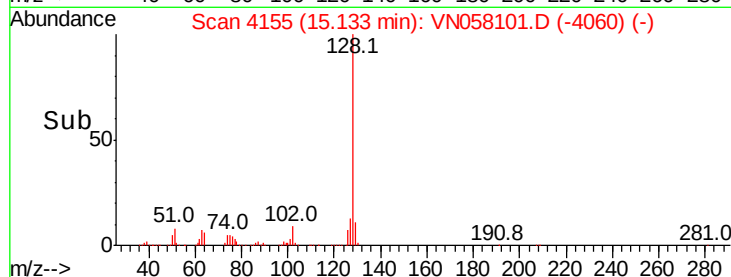


Abundance Ion 128.00 (127.70 to 128.70): V

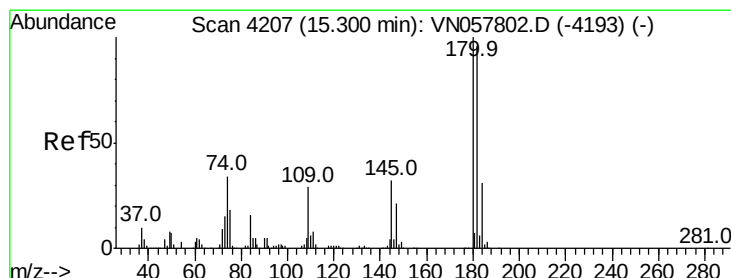
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 56.308 ug/l

RT: 15.30 min Scan# 4207

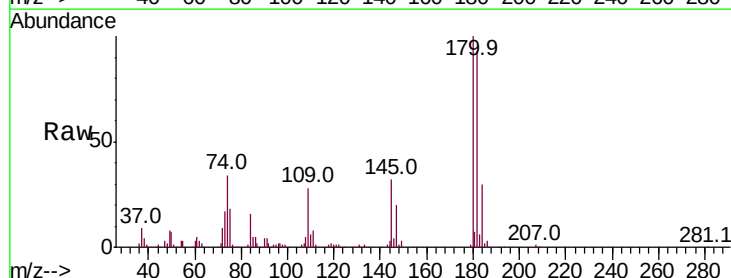
Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:180 Resp: 365631

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.3	144.8
145	32.0	16.3	48.8

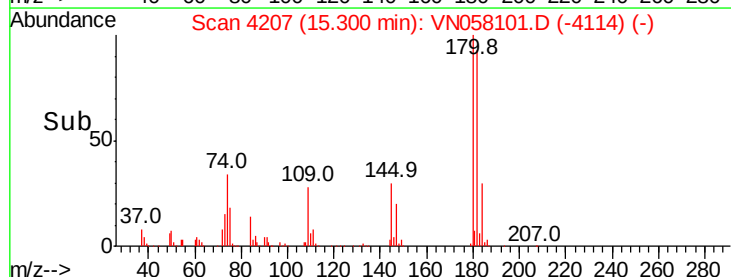


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.30



Time-->