

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057829.D
 Acq On : 10 Sep 2019 2:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 07:13:57 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	316271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297515	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	320978	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.22%		
35) Dibromofluoromethane	7.58	113	234707	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.64%		
50) Toluene-d8	10.09	98	958389	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.70%		
62) 4-Bromofluorobenzene	12.40	95	337058	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.76%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	215141	49.187	ug/l	99
3) Chloromethane	2.03	50	203646	45.682	ug/l	99
4) Vinyl Chloride	2.16	62	225045	47.698	ug/l	99
5) Bromomethane	2.53	94	126231	48.645	ug/l	93
6) Chloroethane	2.67	64	141849	47.181	ug/l	99
7) Trichlorofluoromethane	2.99	101	276751	46.611	ug/l	98
8) Diethyl Ether	3.39	74	113382	45.784	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	174776	46.662	ug/l	99
10) Methyl Iodide	3.93	142	196105	47.049	ug/l	99
11) Tert butyl alcohol	4.77	59	187719	242.122	ug/l	99
12) 1,1-Dichloroethene	3.71	96	152348	45.238	ug/l	99
13) Acrolein	3.58	56	157663	239.694	ug/l	99
14) Allyl chloride	4.30	41	290772	44.119	ug/l	100
15) Acrylonitrile	4.96	53	516843	242.534	ug/l	99
16) Acetone	3.80	43	431914	205.679	ug/l	99
17) Carbon Disulfide	4.03	76	238534	45.523	ug/l	98
18) Methyl Acetate	4.30	43	280169	50.038	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	691436	49.335	ug/l	99
20) Methylene Chloride	4.53	84	206571	51.715	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	169375	46.525	ug/l	99
22) Diisopropyl ether	5.93	45	772484	49.980	ug/l	98
23) Vinyl Acetate	5.87	43	2764695	252.403	ug/l	99
24) 1,1-Dichloroethane	5.82	63	407074	48.192	ug/l	99
25) 2-Butanone	6.82	43	702168	231.025	ug/l	97
26) 2,2-Dichloropropane	6.81	77	238171	35.629	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	232487	47.653	ug/l	98
28) Bromochloromethane	7.18	49	207624	49.200	ug/l	99
29) Tetrahydrofuran	7.19	42	452401	241.555	ug/l	99
30) Chloroform	7.36	83	426778	48.322	ug/l	96
31) Cyclohexane	7.64	56	293148	50.970	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	338114	48.270	ug/l	99
36) 1,1-Dichloropropene	7.78	75	278810	46.154	ug/l	99
37) Ethyl Acetate	6.91	43	292690	46.895	ug/l	100
38) Carbon Tetrachloride	7.76	117	269042	48.781	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	288750	45.470	ug/l	96
40) Benzene	8.03	78	866217	47.628	ug/l	99
41) Methacrylonitrile	7.16	41	145183	51.244	ug/l	91
42) 1,2-Dichloroethane	8.11	62	350745	48.221	ug/l	100
43) Isopropyl Acetate	8.15	43	512266	48.806	ug/l	100
44) Trichloroethene	8.83	130	208690	46.783	ug/l	99
45) 1,2-Dichloropropane	9.11	63	258357	48.819	ug/l	98
46) Dibromomethane	9.20	93	158389	49.528	ug/l	99
47) Bromodichloromethane	9.40	83	325151	50.916	ug/l	99
48) Methyl methacrylate	9.19	41	253480	47.609	ug/l	100
49) 1,4-Dioxane	9.19	88	82248	913.484	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1596548	257.043	ug/l	100
52) Toluene	10.15	92	556173	48.553	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	327268	48.666	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	361819	48.732	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	237569	48.961	ug/l	98
56) Ethyl methacrylate	10.43	69	364071	49.826	ug/l	99
57) 1,3-Dichloropropane	10.71	76	406359	48.595	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	859877	249.857	ug/l	100
59) 2-Hexanone	10.75	43	1145763	246.108	ug/l	100
60) Dibromochloromethane	10.90	129	228805	50.781	ug/l	99
61) 1,2-Dibromoethane	11.00	107	225034	49.056	ug/l	99
64) Tetrachloroethene	10.63	164	174024	47.233	ug/l	97
65) Chlorobenzene	11.43	112	621434	47.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	226035	49.882	ug/l	99
67) Ethyl Benzene	11.51	91	1138093	49.728	ug/l	98
68) m/p-Xylenes	11.62	106	825946	98.522	ug/l	99
69) o-Xylene	11.95	106	411990	49.433	ug/l	98
70) Styrene	11.96	104	727717	50.736	ug/l	99
71) Bromoform	12.13	173	142475	50.431	ug/l #	98
73) Isopropylbenzene	12.25	105	1153449	49.963	ug/l	100
74) N-amyl acetate	12.07	43	487287	48.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	359811	46.289	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	428285	63.635	ug/l #	100
77) Bromobenzene	12.53	156	265769	46.173	ug/l	98
78) n-propylbenzene	12.59	91	1351751	50.990	ug/l	99
79) 2-Chlorotoluene	12.68	91	798325	47.646	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	983877	50.439	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	83775	43.803	ug/l	96
82) 4-Chlorotoluene	12.78	91	839527	48.792	ug/l	100
83) tert-Butylbenzene	13.00	119	858449	49.508	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	995009	50.189	ug/l	100
85) sec-Butylbenzene	13.18	105	1165225	50.701	ug/l	100
86) p-Isopropyltoluene	13.29	119	1045028	51.607	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	510341	48.305	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	506761	47.255	ug/l	100
89) n-Butylbenzene	13.62	91	952307	49.799	ug/l	99
90) Hexachloroethane	13.88	117	155580	51.661	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	510371	48.354	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	63354	49.353	ug/l	98

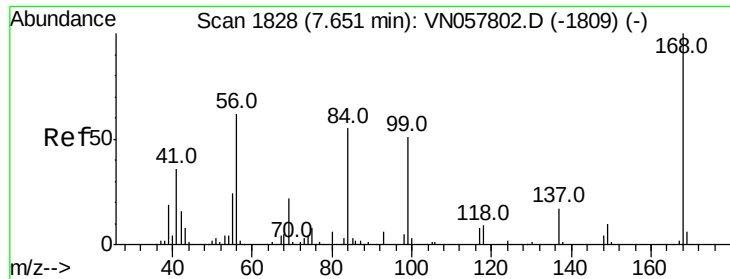
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309594	44.876	ug/l	98
94) Hexachlorobutadiene	15.01	225	134496	45.990	ug/l	97
95) Naphthalene	15.13	128	892896	51.308	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	289775	48.151	ug/l	99

(#) = 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: VN057829.D

Acq: 10 Sep 2019 2:28

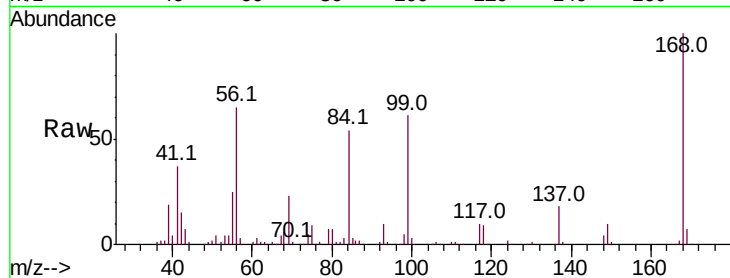
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 316271

Ion Ratio Lower Upper

168 100

99 60.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

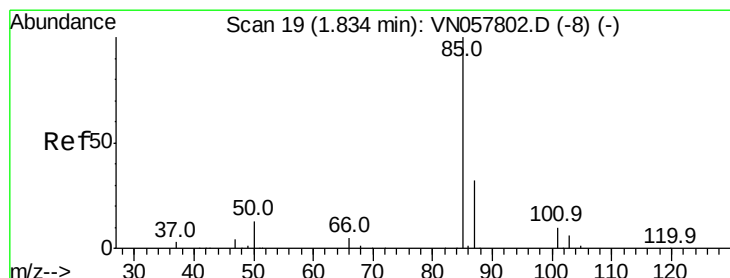
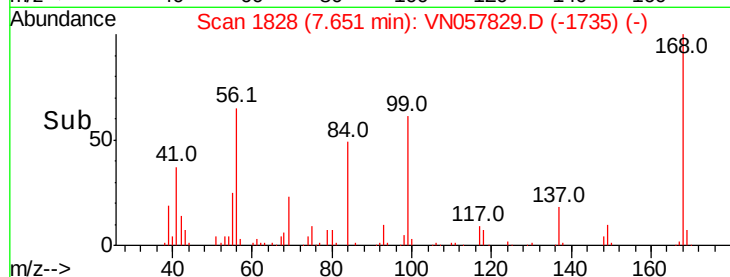
100000

50000

0

Time-->

7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 49.187 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057829.D

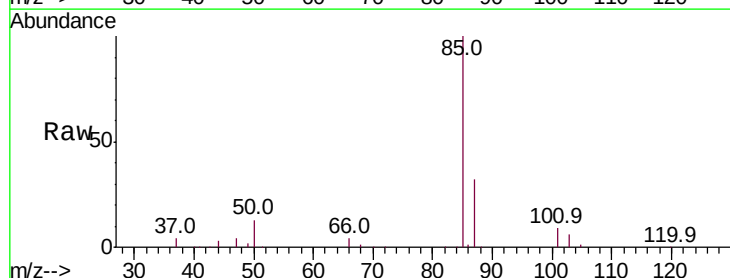
Acq: 10 Sep 2019 2:28

Tgt Ion: 85 Resp: 215141

Ion Ratio Lower Upper

85 100

87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

150000

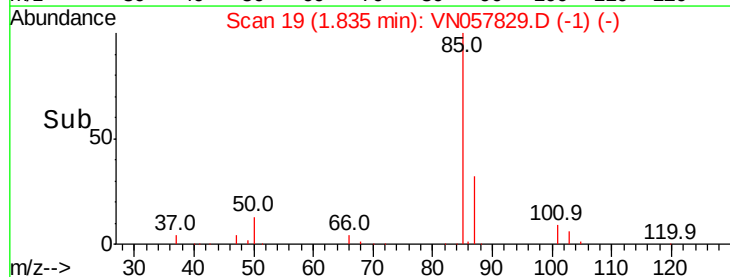
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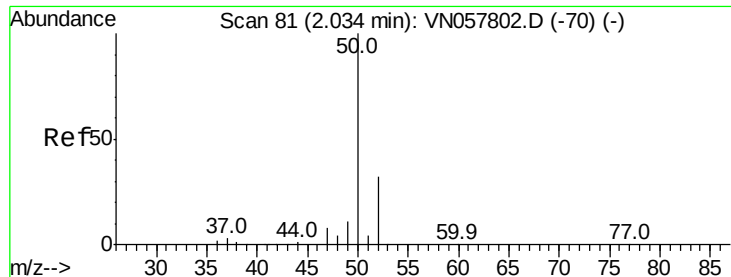
50000

0

Time-->

1.80 1.85 1.90





#3

Chloromethane

Concen: 45.682 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

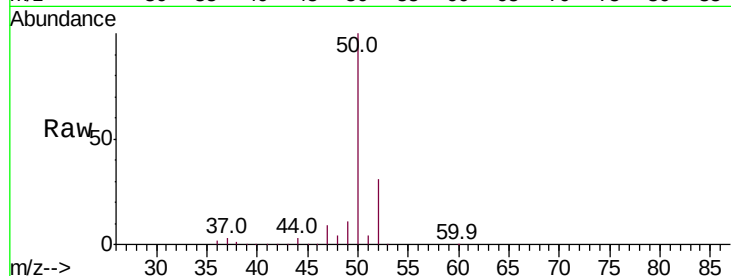
ClientSampleId :

Tot Ion: 50 Resp: 203646

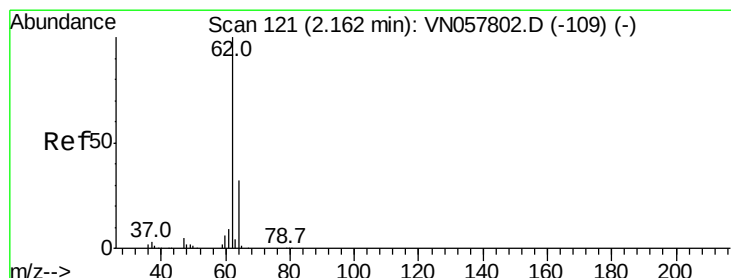
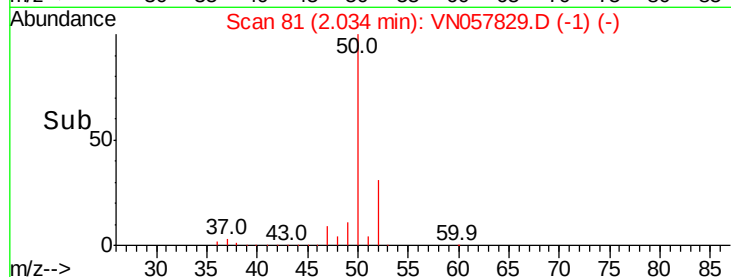
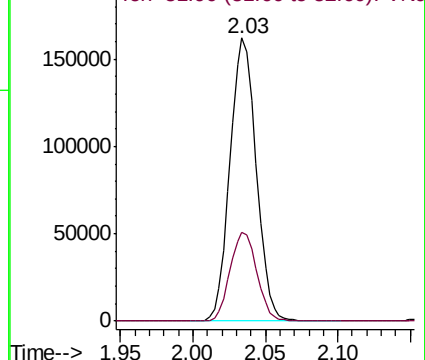
Ion Ratio Lower Upper

50 100

52 31.3 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: 47.698 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057829.D

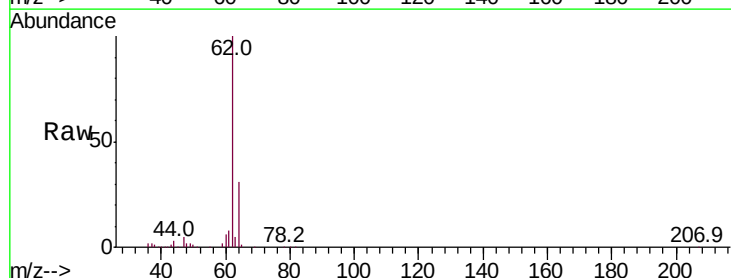
Acq: 10 Sep 2019 2:28

Tgt Ion: 62 Resp: 225045

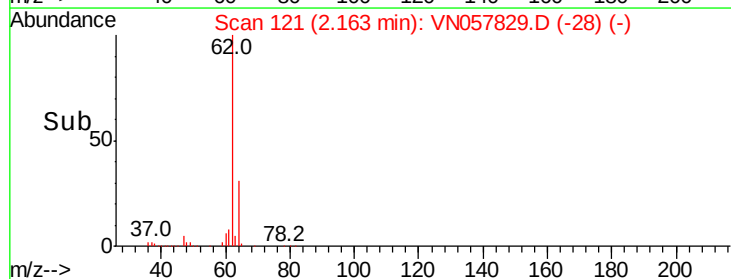
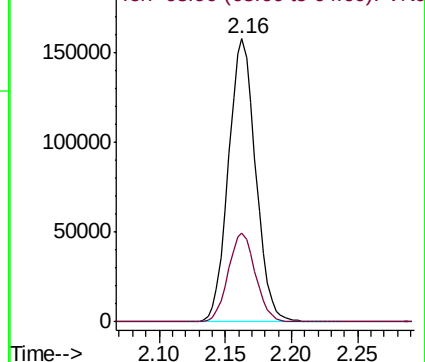
Ion Ratio Lower Upper

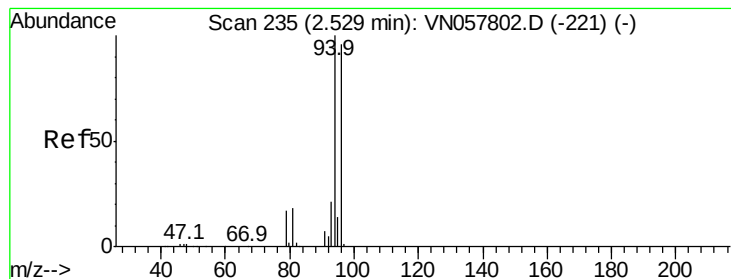
62 100

64 31.3 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: 48.645 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

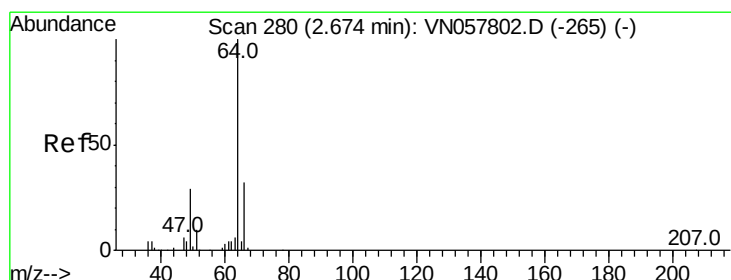
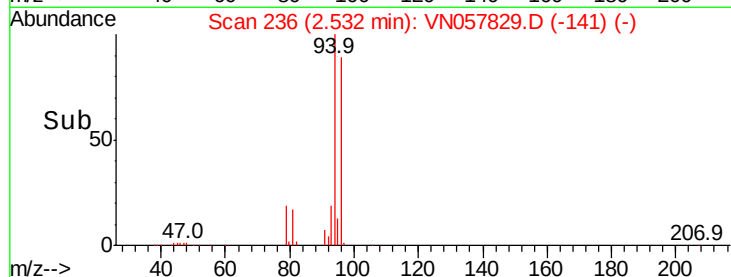
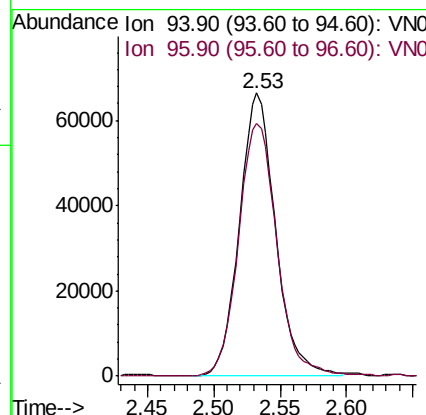
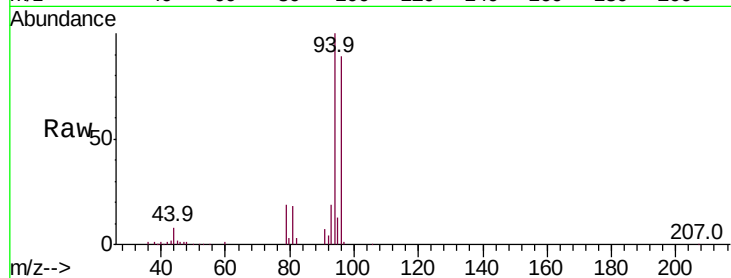
ClientSampleId :

Tot Ion: 94 Resp: 126231

Ion Ratio Lower Upper

94 100

96 88.9 77.0 115.4



#6

Chloroethane

Concen: 47.181 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057829.D

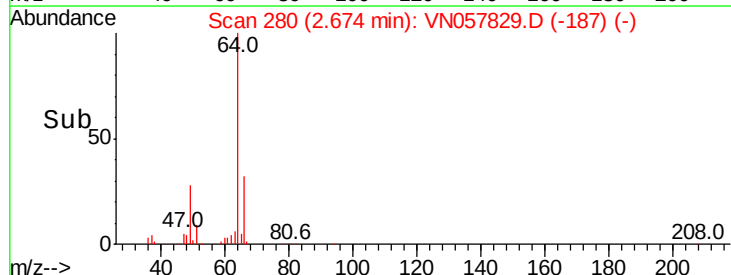
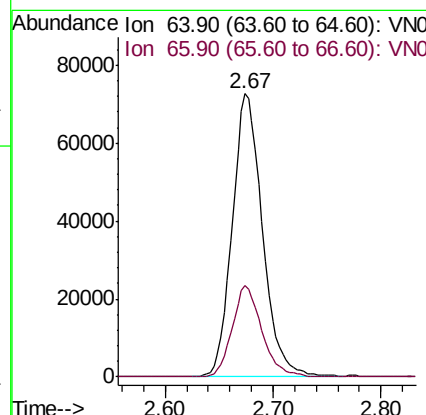
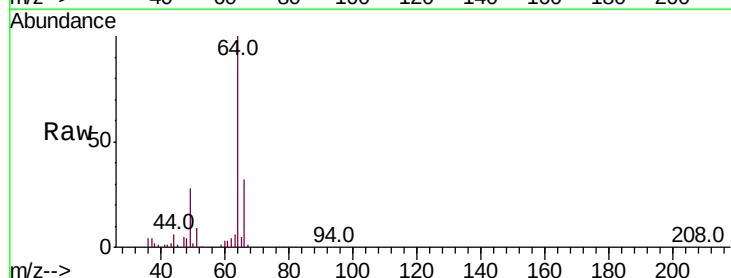
Acq: 10 Sep 2019 2:28

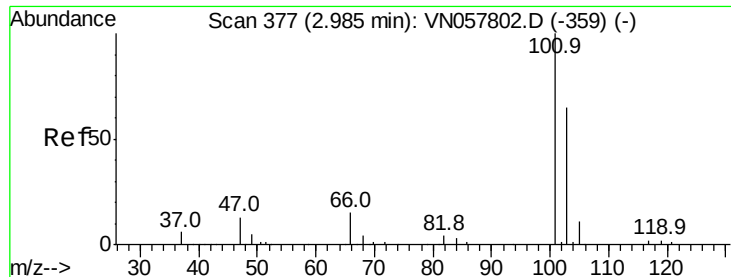
Tgt Ion: 64 Resp: 141849

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



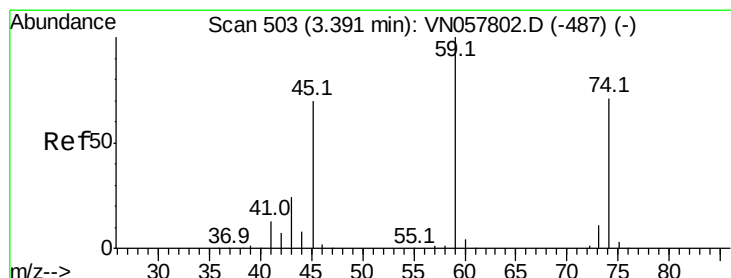
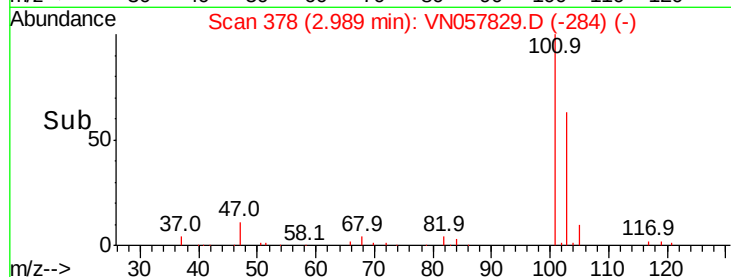
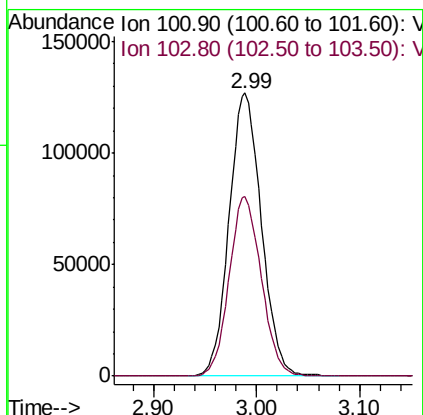
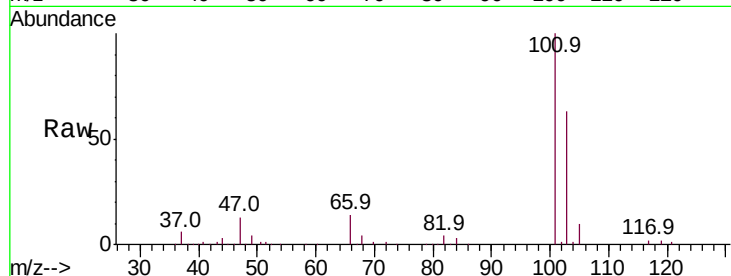


#7

Trichlorofluoromethane
 Concen: 46.611 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Instrument :
 MSVOA_N
 ClientSampled :

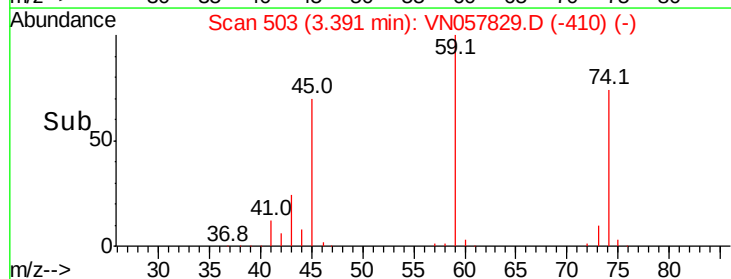
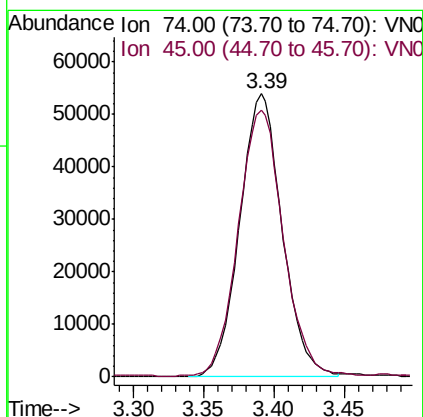
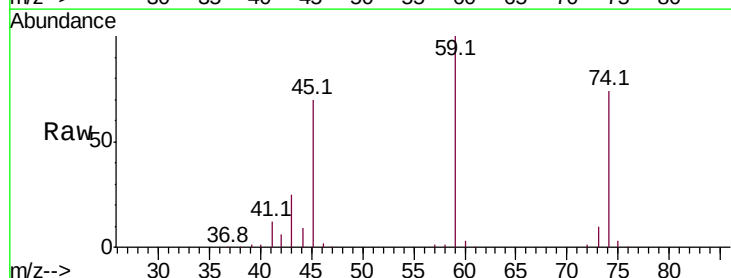
Tot Ion:101 Resp: 276751
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.9 77.9

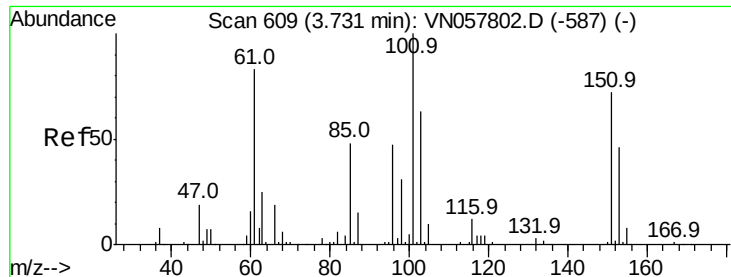


#8

Diethyl Ether
 Concen: 45.784 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Tgt Ion: 74 Resp: 113382
 Ion Ratio Lower Upper
 74 100
 45 99.5 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.662 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampled :

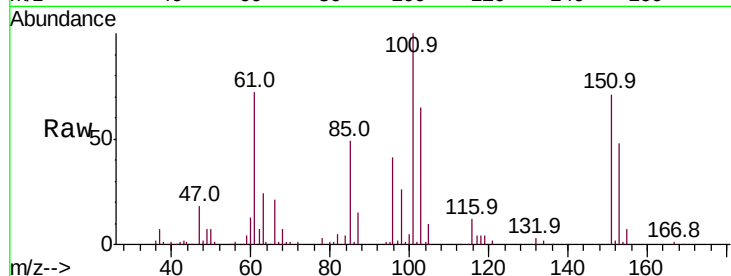
Tot Ion:101 Resp: 174776

Ion Ratio Lower Upper

101 100

85 48.0 38.1 57.1

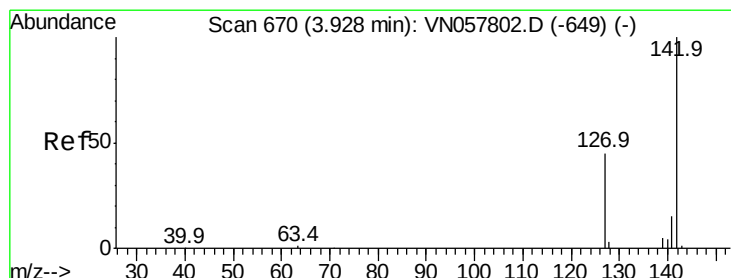
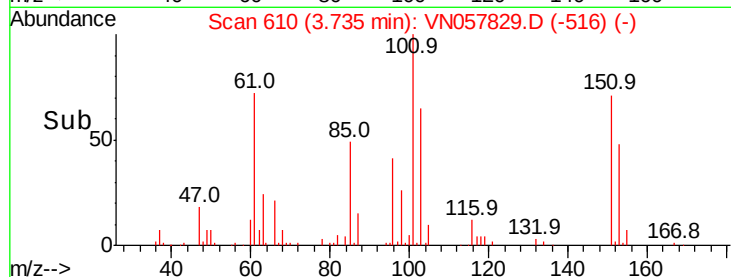
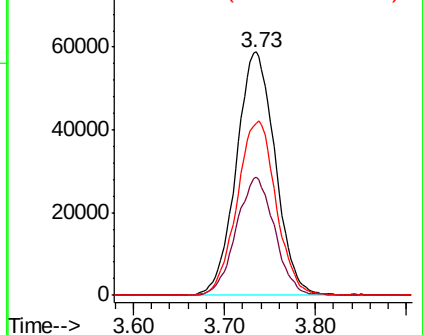
151 71.7 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.049 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

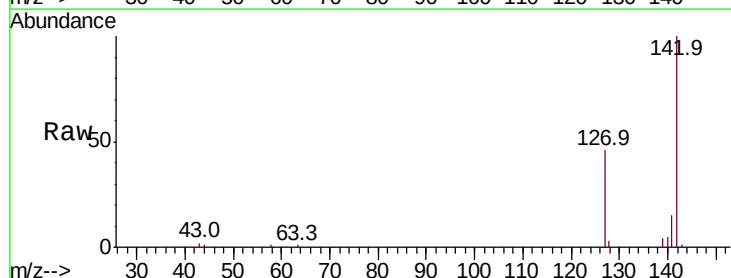
Tgt Ion:142 Resp: 196105

Ion Ratio Lower Upper

142 100

127 46.6 36.7 55.1

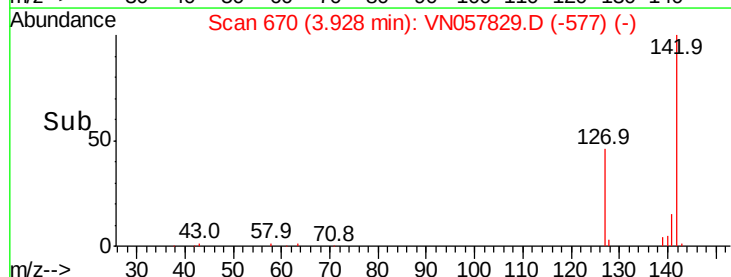
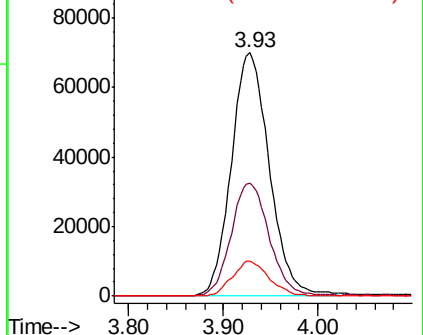
141 14.0 11.4 17.0

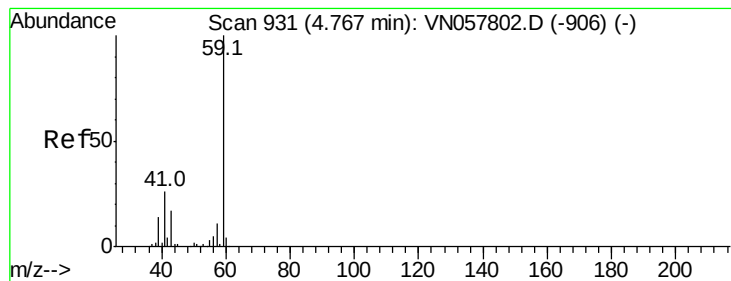


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



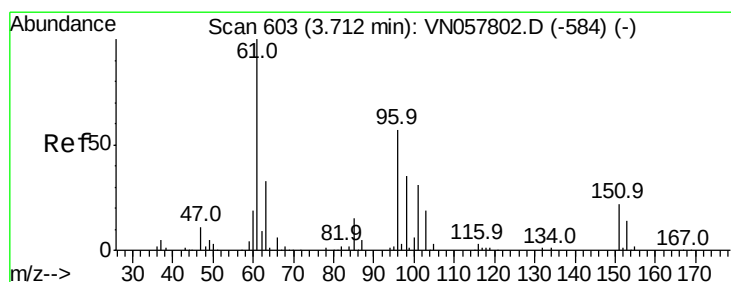
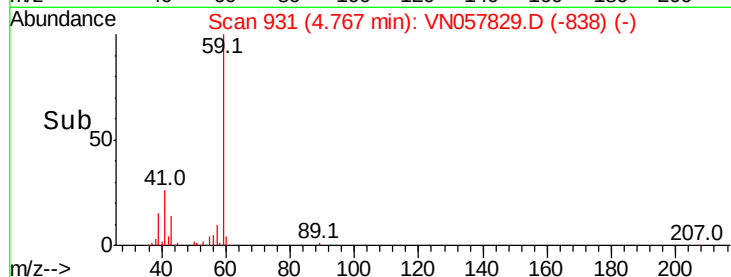
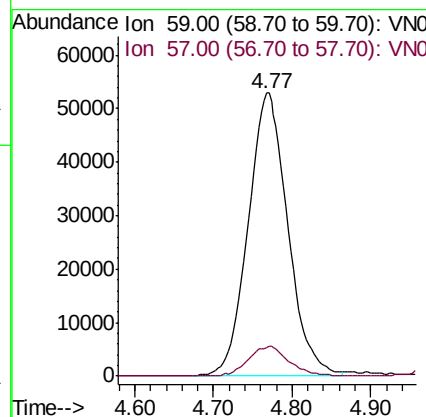
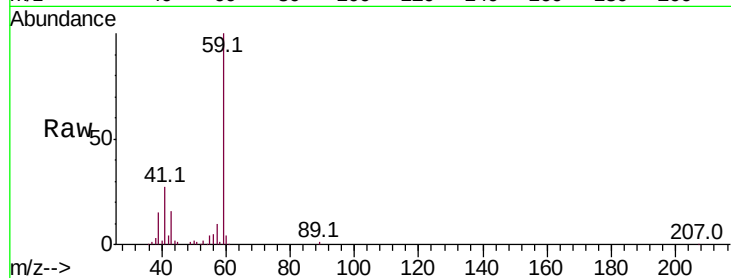


#11

Tert butyl alcohol
Concen: 242.122 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Instrument :
MSVOA_N
ClientSampled :

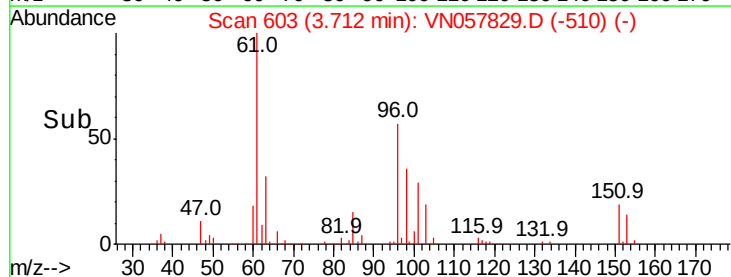
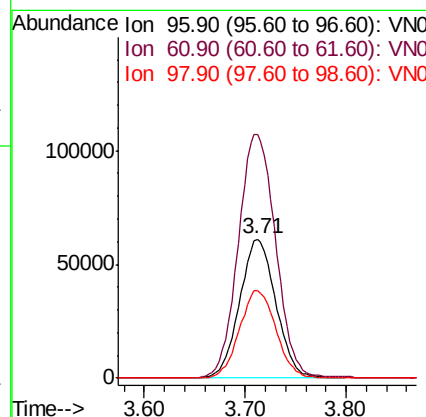
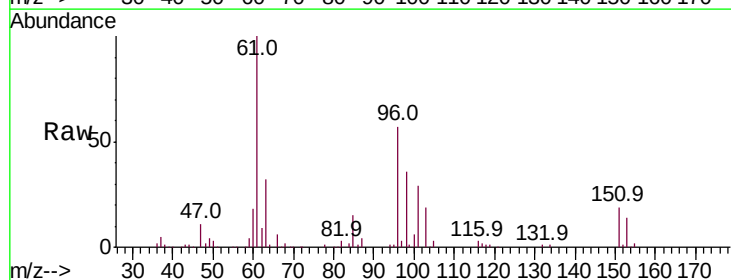
Tot Ion: 59 Resp: 187719
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

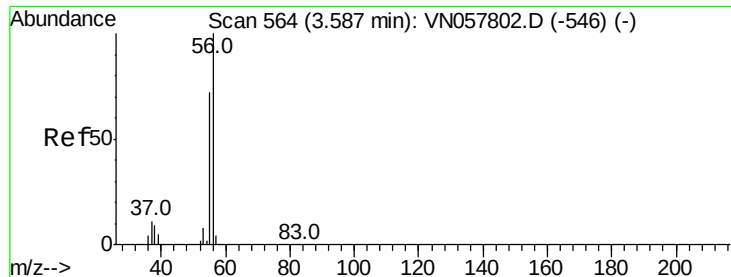


#12

1,1-Dichloroethene
Concen: 45.238 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 96 Resp: 152348
Ion Ratio Lower Upper
96 100
61 174.8 141.2 211.8
98 63.1 49.9 74.9





#13

Acrolein

Concen: 239.694 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

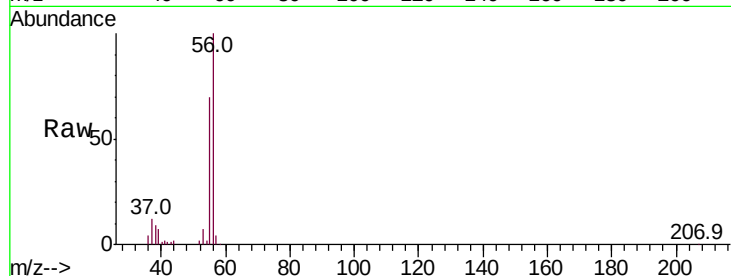
ClientSampleId :

Tot Ion: 56 Resp: 157663

Ion Ratio Lower Upper

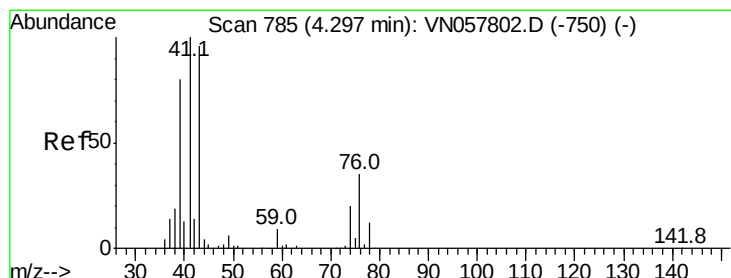
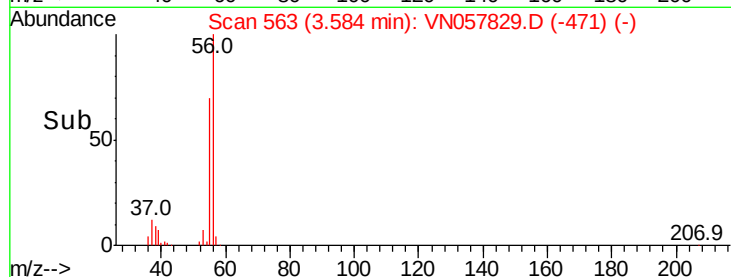
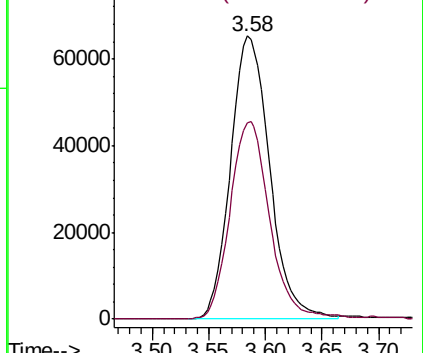
56 100

55 70.8 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 44.119 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

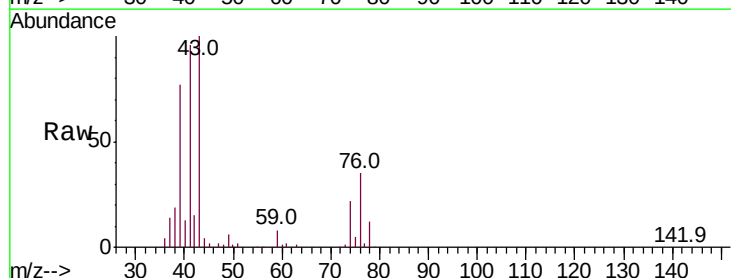
Tgt Ion: 41 Resp: 290772

Ion Ratio Lower Upper

41 100

39 74.0 59.4 89.2

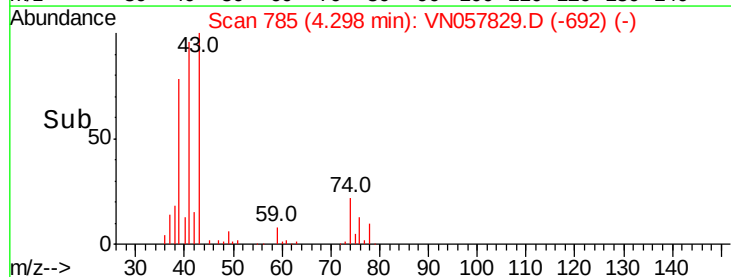
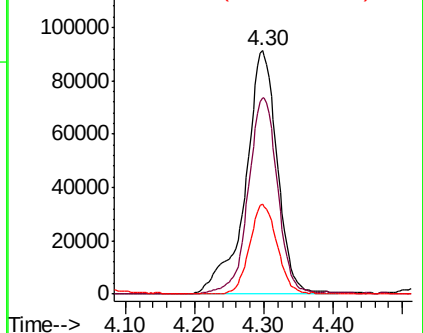
76 32.0 26.0 39.0

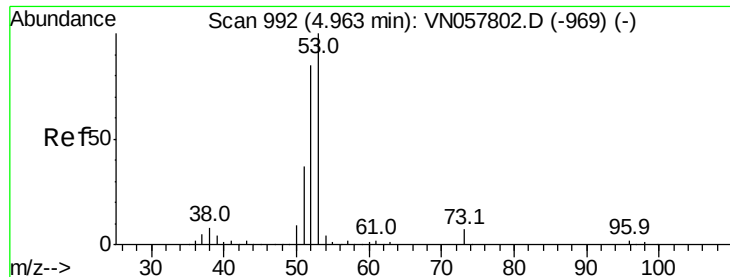


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 242.534 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampled :

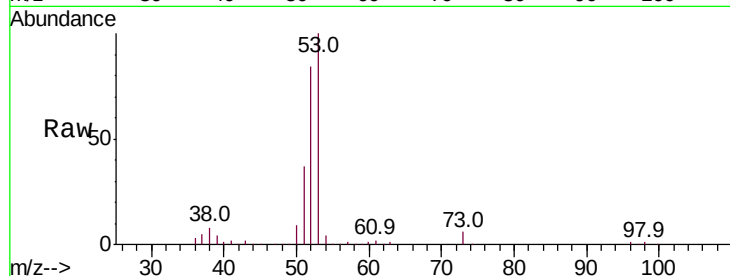
Tot Ion: 53 Resp: 516843

Ion Ratio Lower Upper

53 100

52 83.0 66.6 100.0

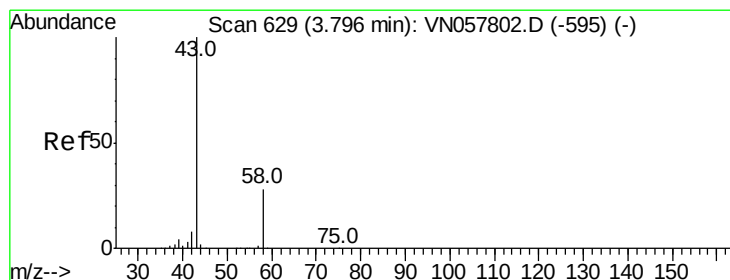
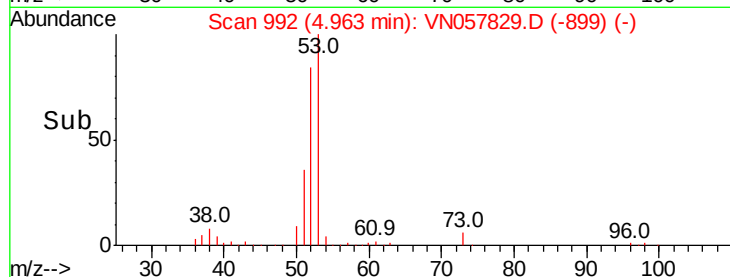
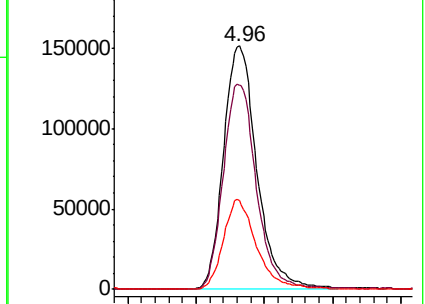
51 36.7 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN057802.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057802.D (-969) (-)



#16

Acetone

Concen: 205.679 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057829.D

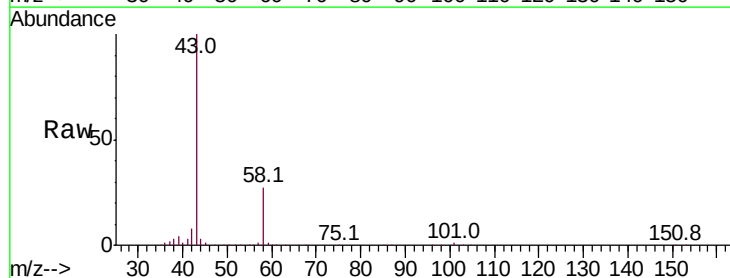
Acq: 10 Sep 2019 2:28

Tgt Ion: 43 Resp: 431914

Ion Ratio Lower Upper

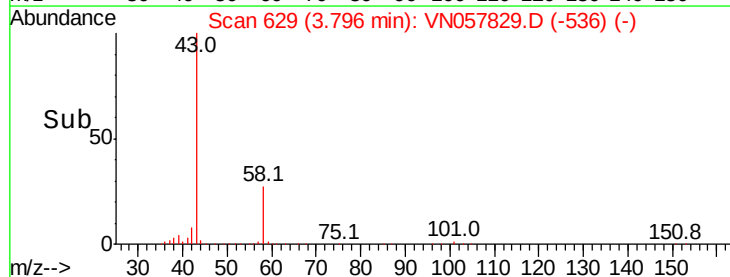
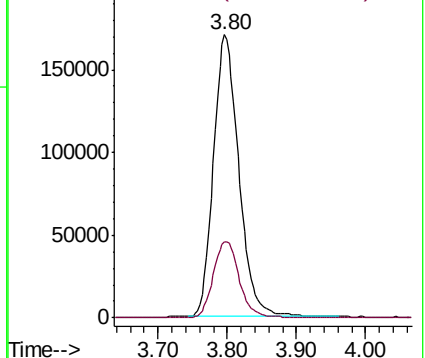
43 100

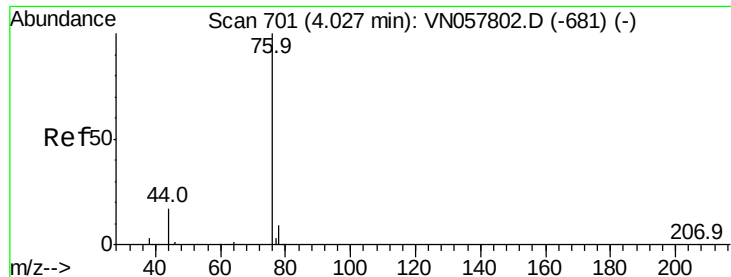
58 27.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)

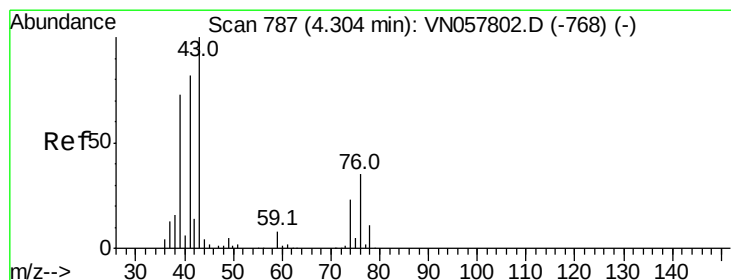
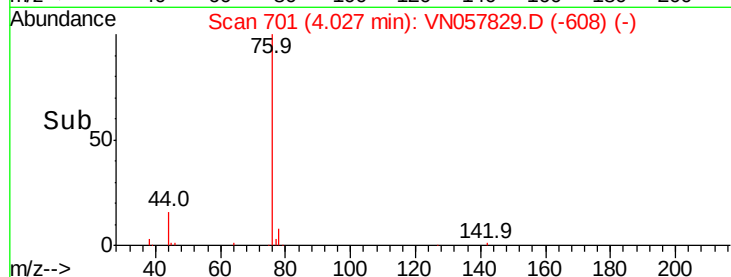
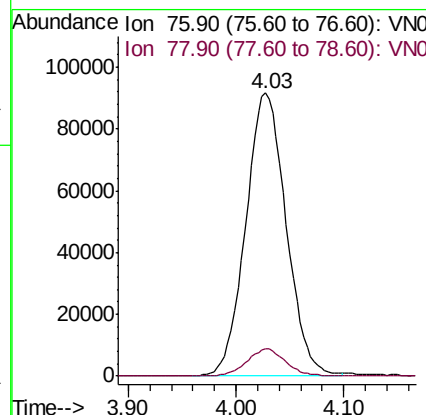
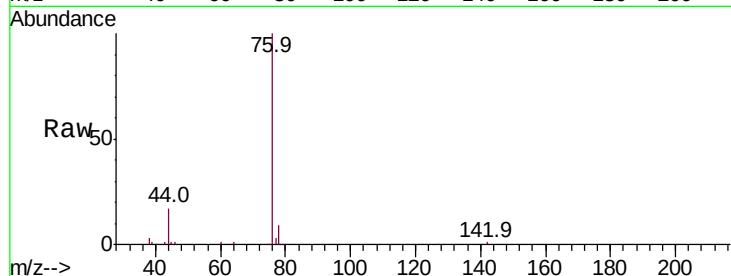




#17
Carbon Disulfide
Concen: 45.523 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

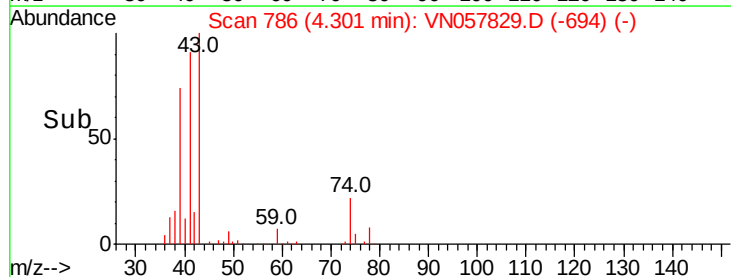
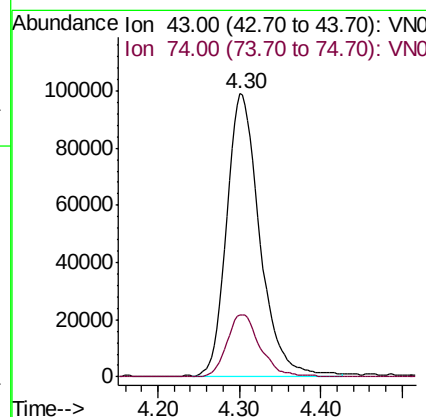
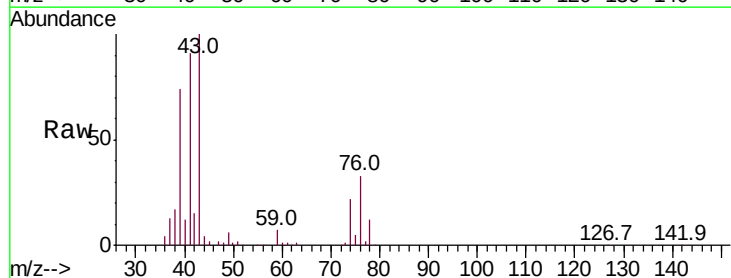
Instrument :
MSVOA_N
ClientSampled :

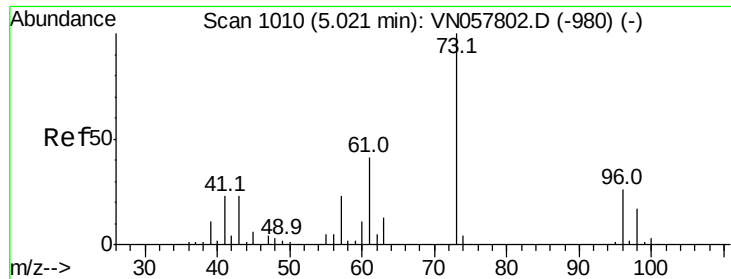
Tot Ion: 76 Resp: 238534
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 50.038 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 43 Resp: 280169
Ion Ratio Lower Upper
43 100
74 22.2 17.9 26.9

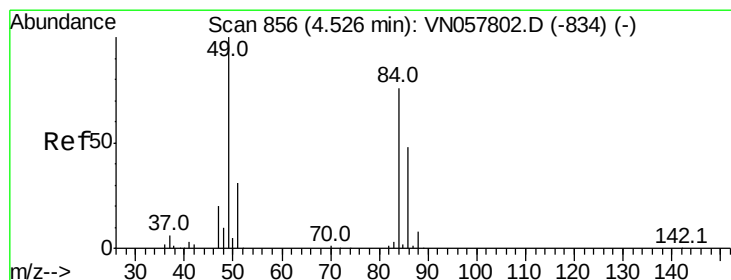
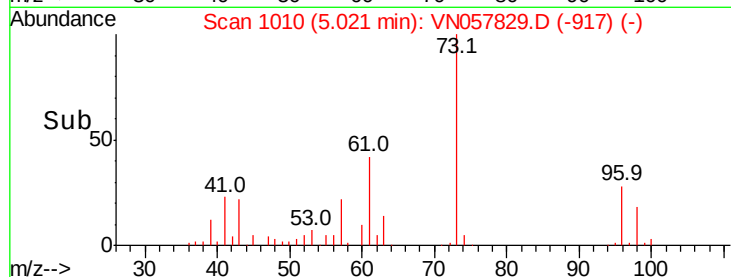
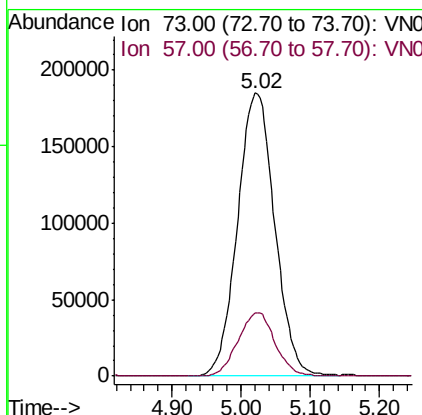
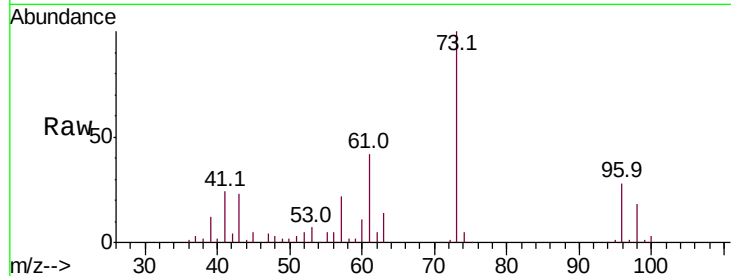




#19
Methvl tert-butvl Ether
Concen: 49.335 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

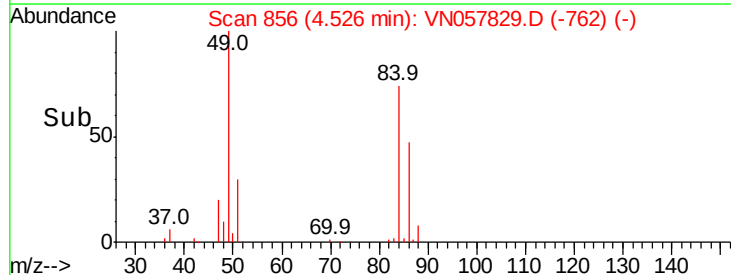
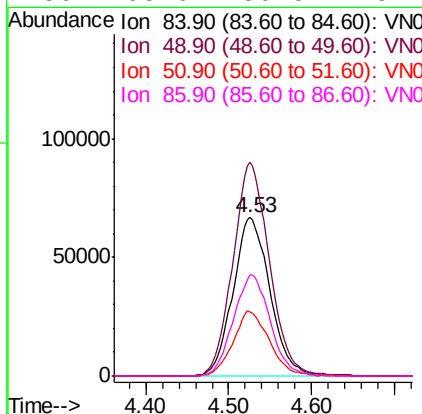
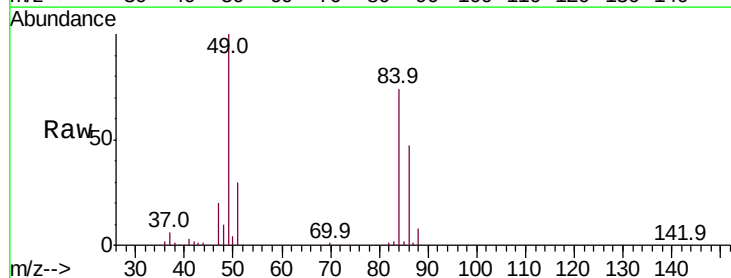
Instrument :
MSVOA_N
ClientSampled :

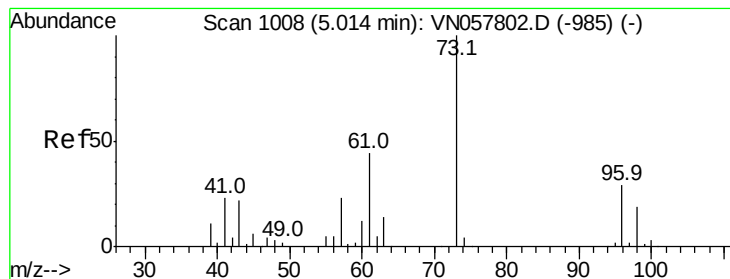
Tot Ion: 73 Resp: 691436
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2



#20
Methylene Chloride
Concen: 51.715 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 84 Resp: 206571
Ion Ratio Lower Upper
84 100
49 135.0 104.8 157.2
51 40.8 33.0 49.4
86 63.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 46.525 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :
MSVOA_N
ClientSampled :

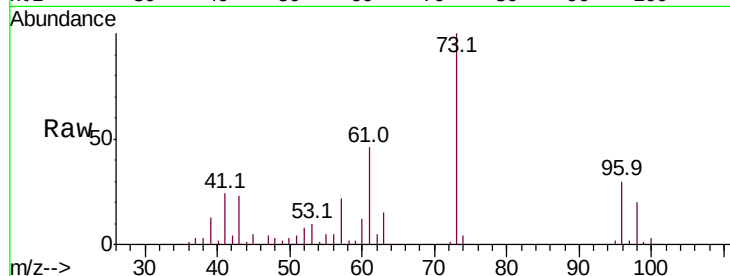
Tot Ion: 96 Resp: 169375

Ion Ratio Lower Upper

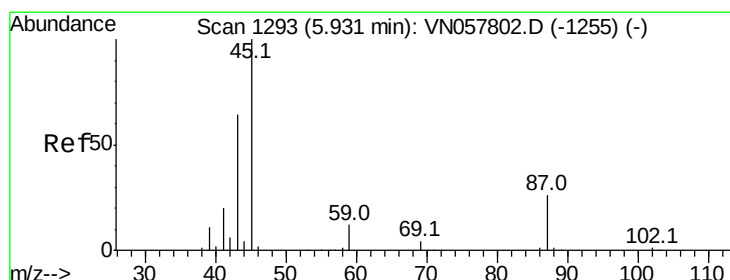
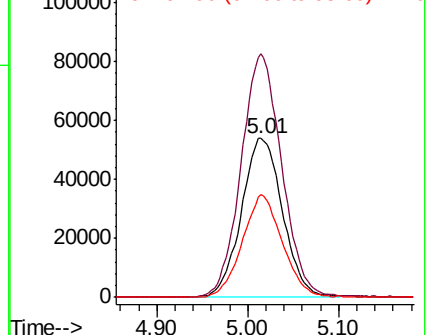
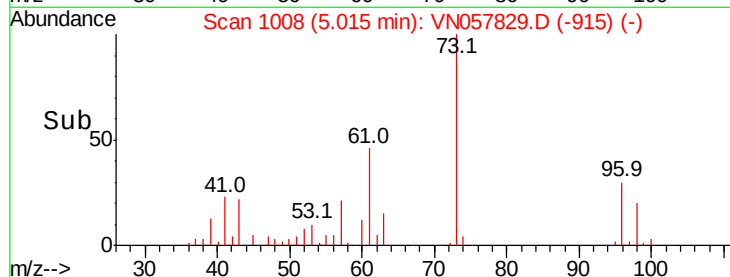
96 100

61 153.1 121.9 182.9

98 64.8 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: 49.980 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Tgt Ion: 45 Resp: 772484

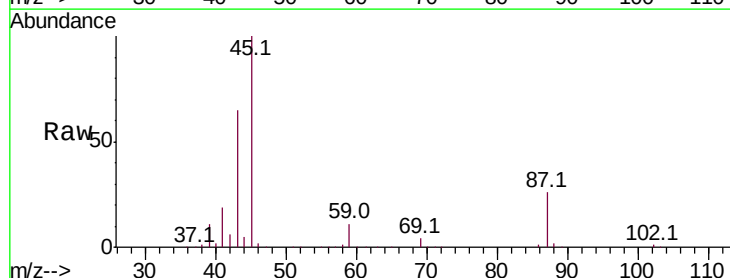
Ion Ratio Lower Upper

45 100

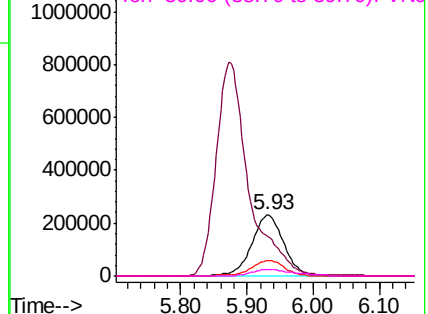
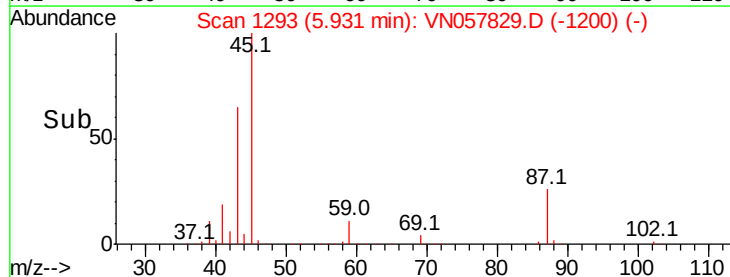
43 63.2 51.4 77.2

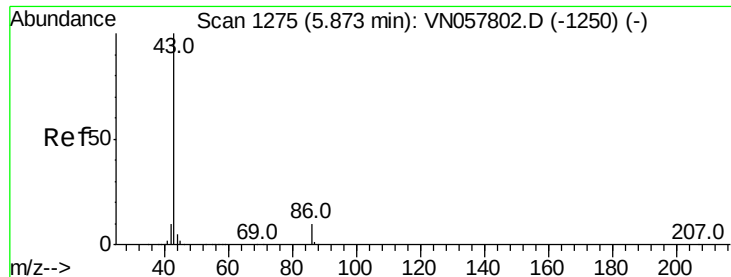
87 25.5 21.3 31.9

59 10.6 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: 252.403 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

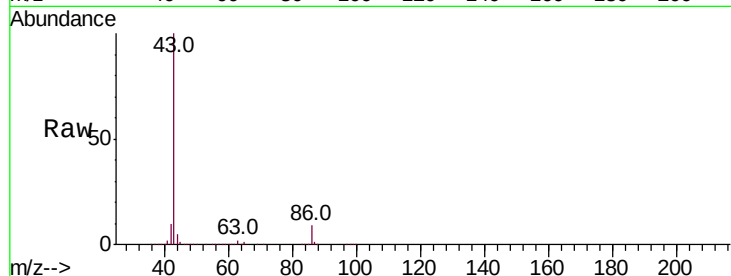
ClientSampleId :

Tot Ion: 43 Resp: 2764695

Ion Ratio Lower Upper

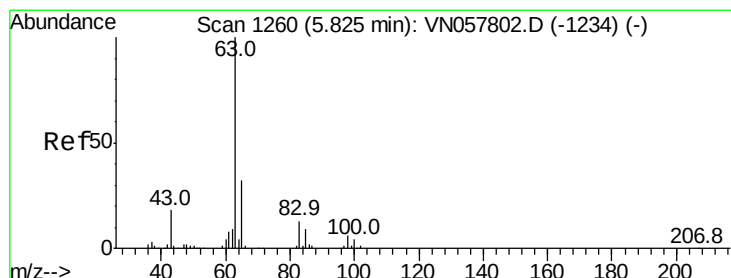
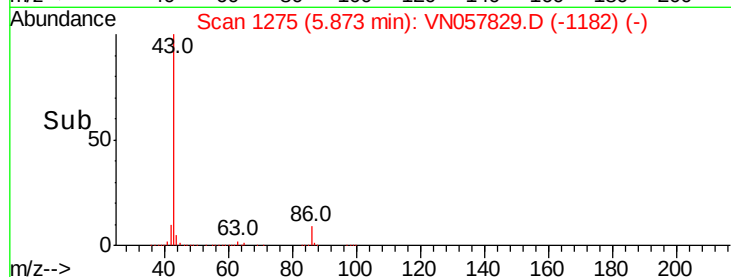
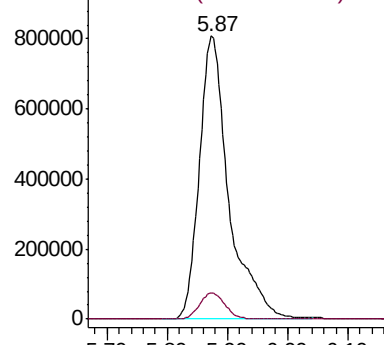
43 100

86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.192 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

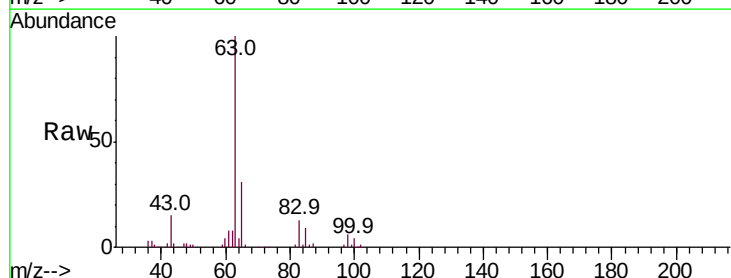
Tgt Ion: 63 Resp: 407074

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

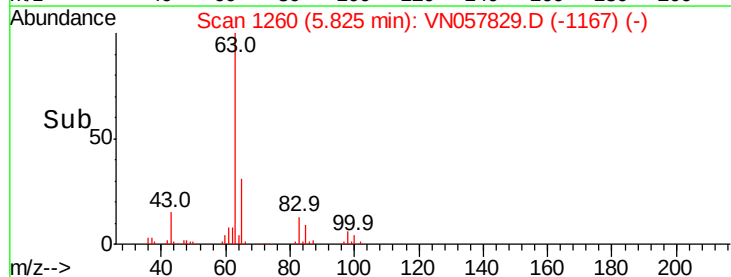
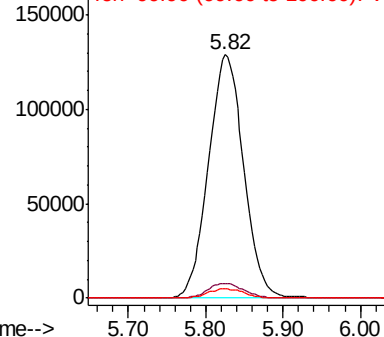
100 4.0 2.0 5.8

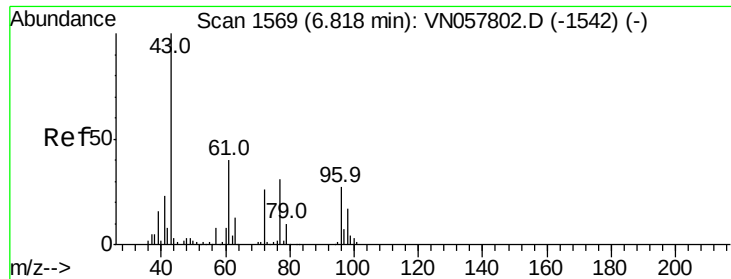


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

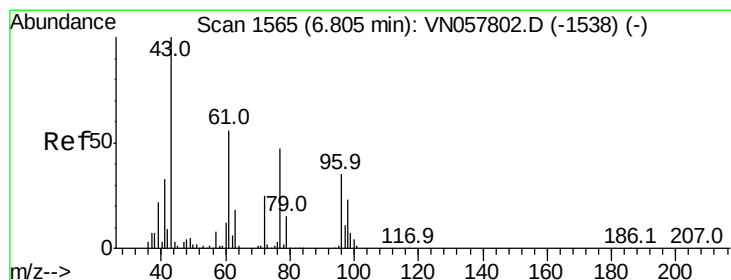
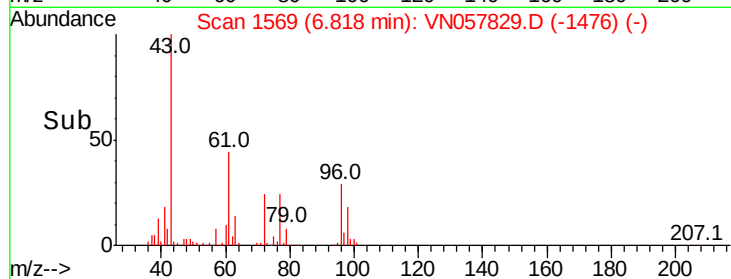
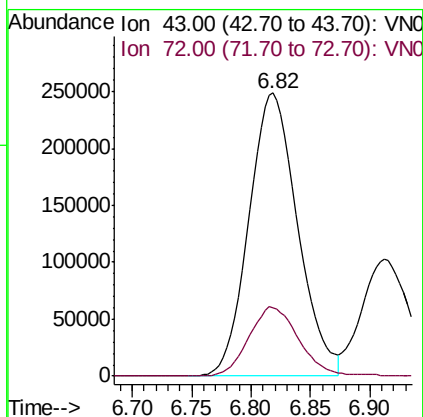
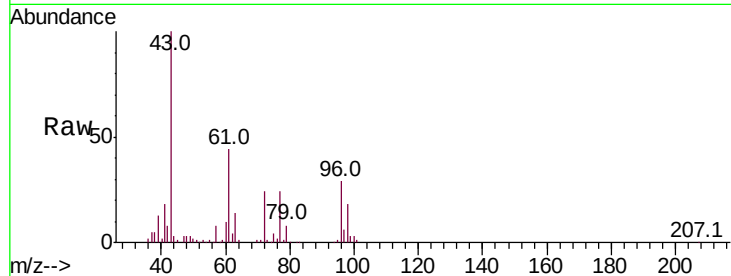




#25
2-Butanone
Concen: 231.025 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

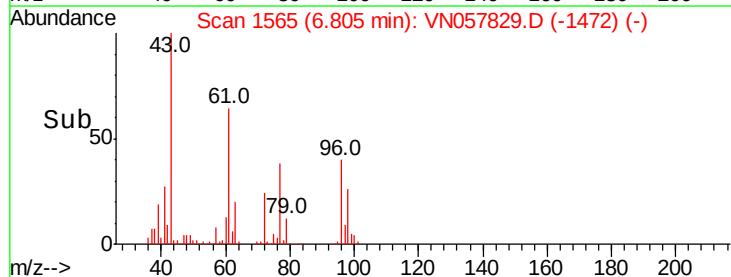
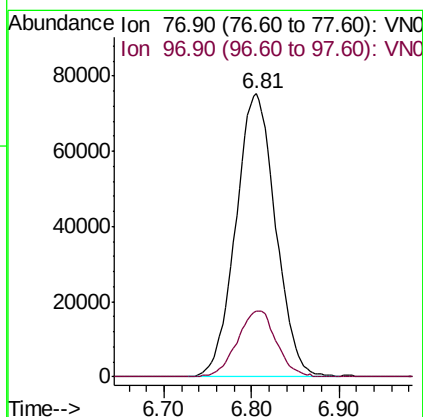
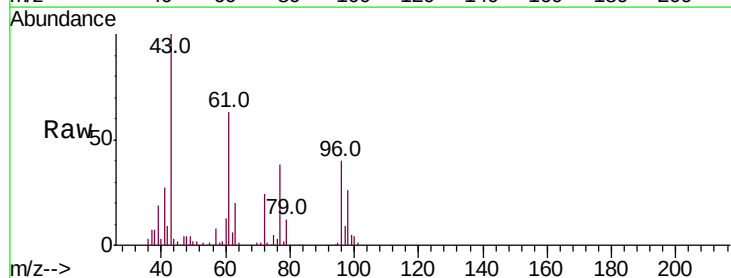
Instrument :
MSVOA_N
ClientSampled :

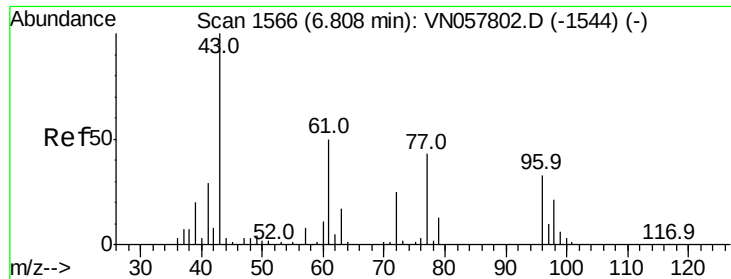
Tot Ion: 43 Resp: 702168
Ion Ratio Lower Upper
43 100
72 24.4 20.6 30.8



#26
2,2-Dichloropropane
Concen: 35.629 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 77 Resp: 238171
Ion Ratio Lower Upper
77 100
97 23.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 47.653 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

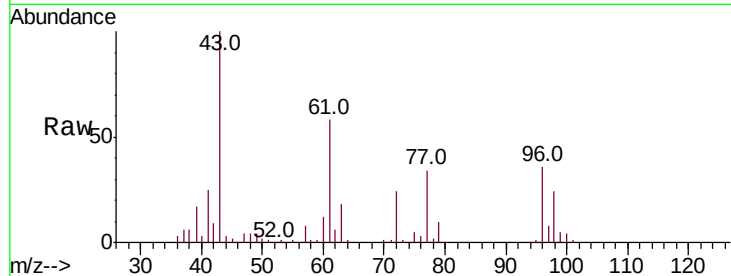
Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 232487

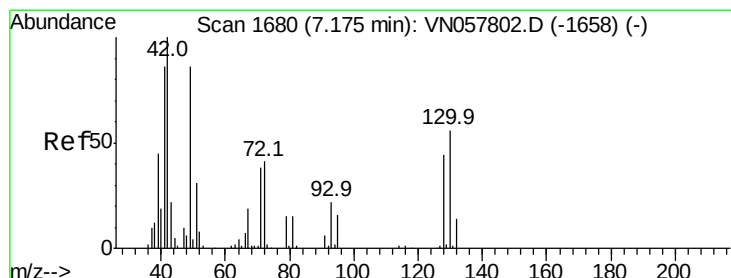
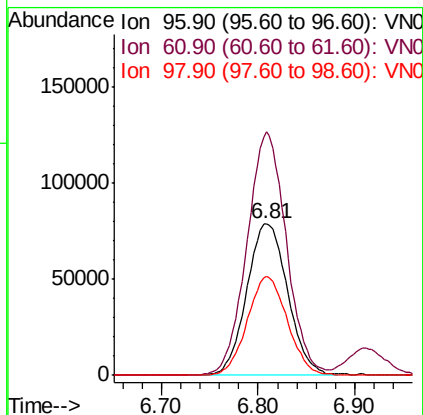
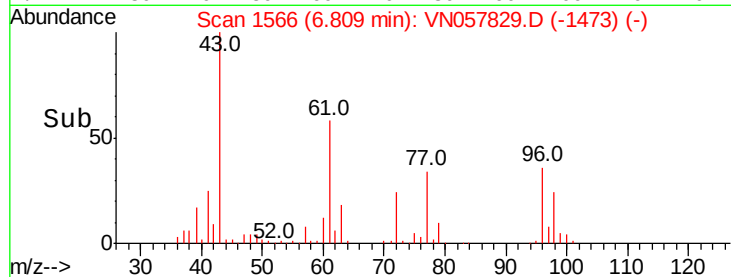
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	314.0
98	63.9	0.0	128.6



Abundance Ion 95.90 (95.60 to 96.60): VN057802.D (-1544) (-)

Ion 60.90 (60.60 to 61.60): VN057802.D (-1544) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1544) (-)



#28

Bromochloromethane

Concen: 49.200 ug/l

RT: 7.18 min Scan# 1680

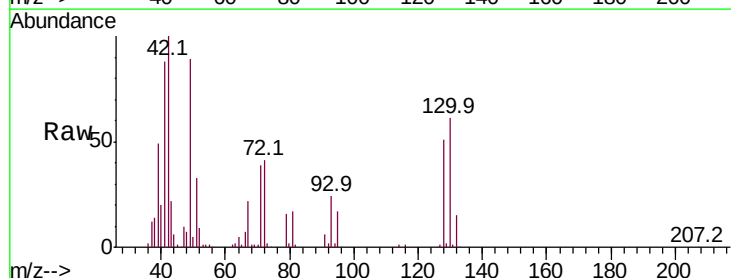
Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Tgt Ion: 49 Resp: 207624

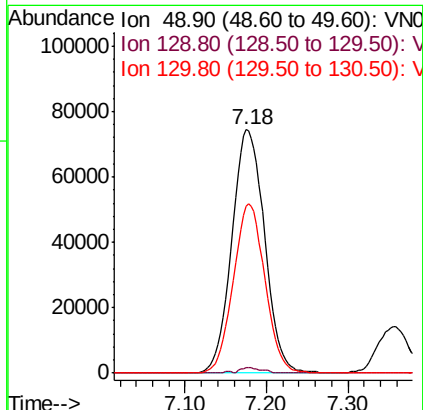
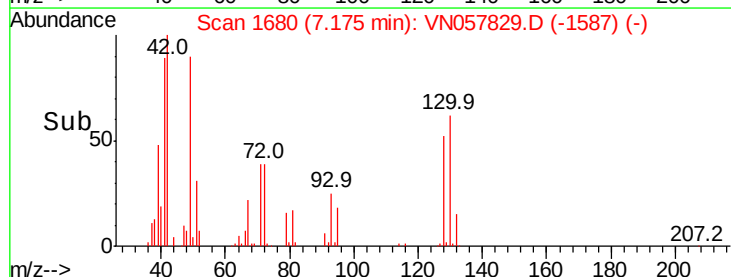
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	67.2	53.0	79.6

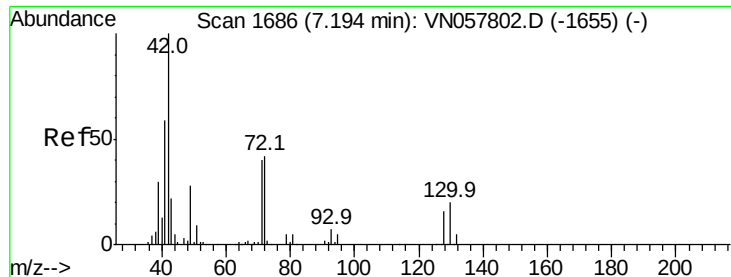


Abundance Ion 48.90 (48.60 to 49.60): VN057802.D (-1658) (-)

Ion 128.80 (128.50 to 129.50): VN057802.D (-1658) (-)

Ion 129.80 (129.50 to 130.50): VN057802.D (-1658) (-)

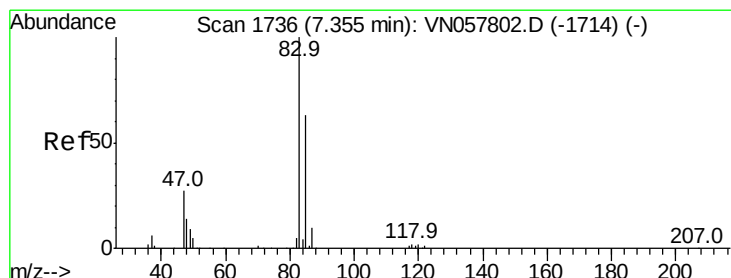
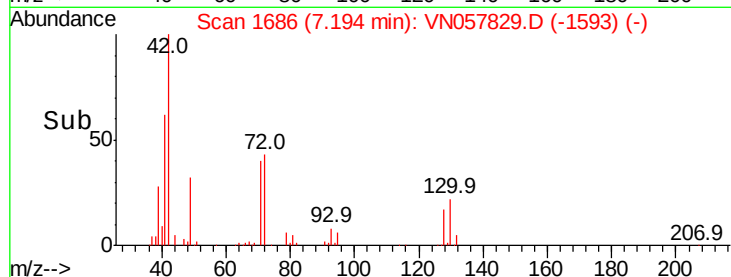
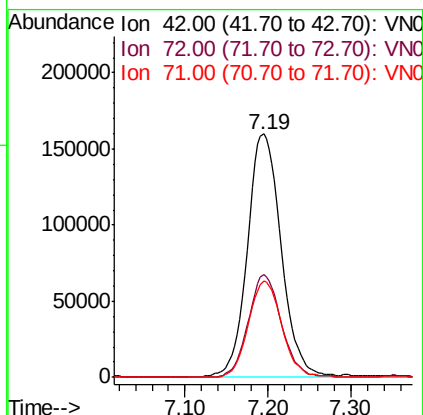
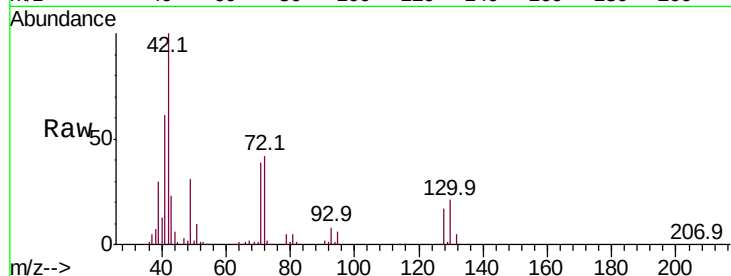




#29
Tetrahydrofuran
Concen: 241.555 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

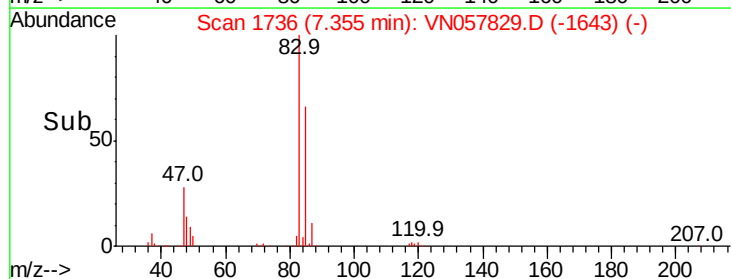
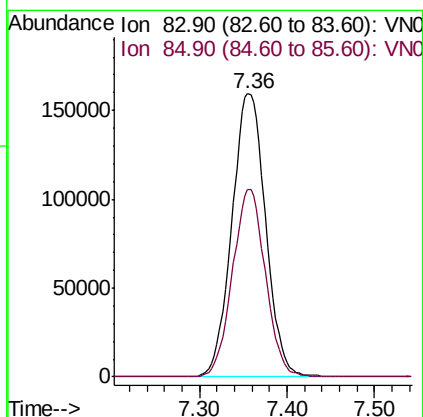
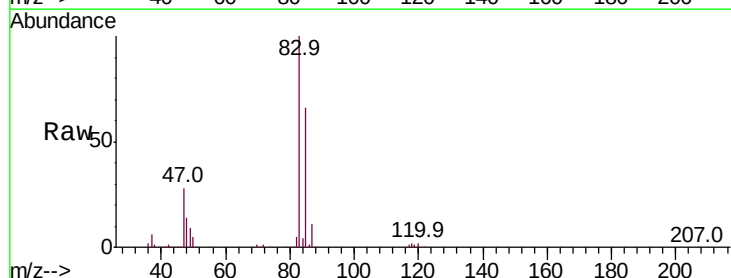
Instrument :
MSVOA_N
ClientSampled :

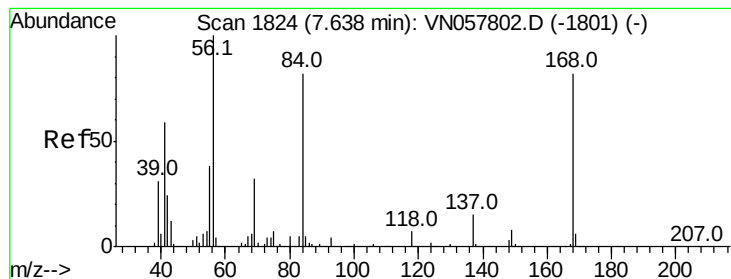
Tot Ion: 42 Resp: 452401
Ion Ratio Lower Upper
42 100
72 41.4 33.7 50.5
71 39.2 31.9 47.9



#30
Chloroform
Concen: 48.322 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 83 Resp: 426778
Ion Ratio Lower Upper
83 100
85 66.1 50.6 75.8





#31

Cyclohexane

Concen: 50.970 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :
MSVOA_N
ClientSampled :

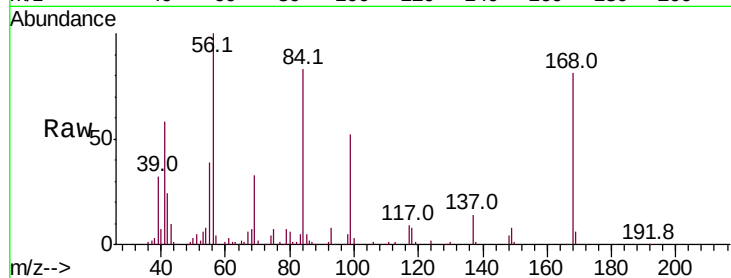
Tot Ion: 56 Resp: 293148

Ion Ratio Lower Upper

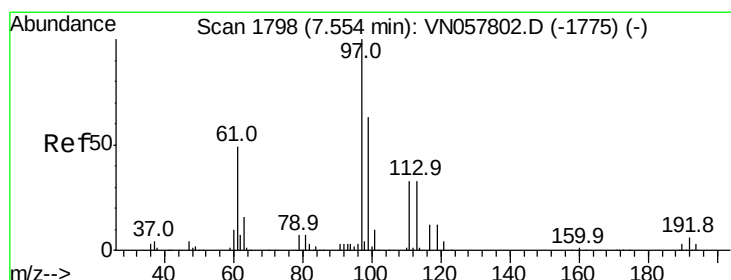
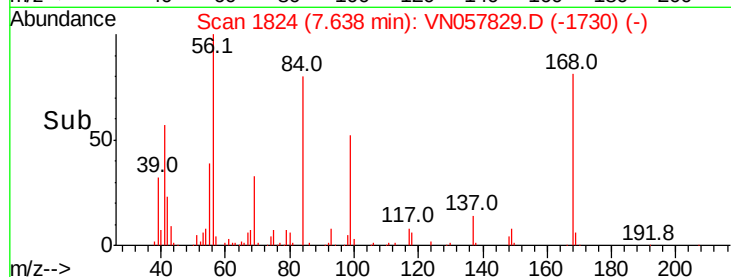
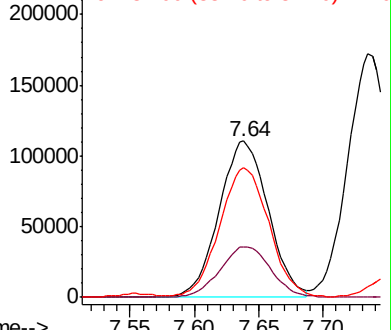
56 100

69 32.6 25.9 38.9

84 81.6 65.6 98.4



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



#32

1,1,1-Trichloroethane

Concen: 48.270 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

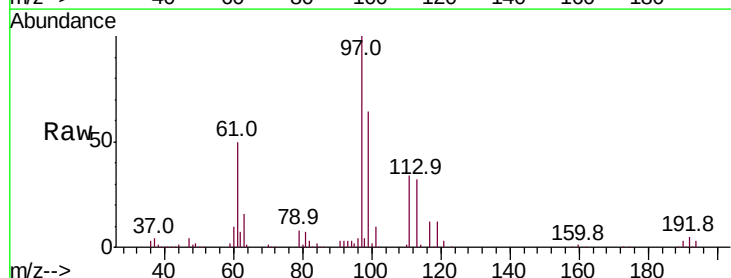
Tgt Ion: 97 Resp: 338114

Ion Ratio Lower Upper

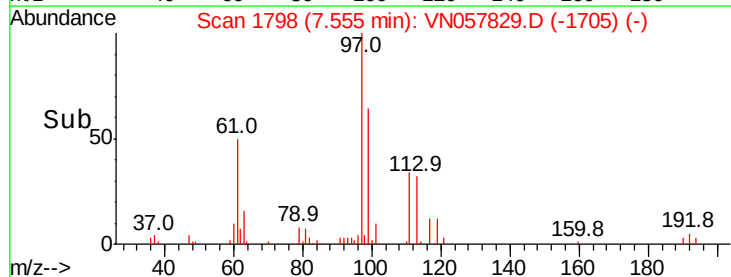
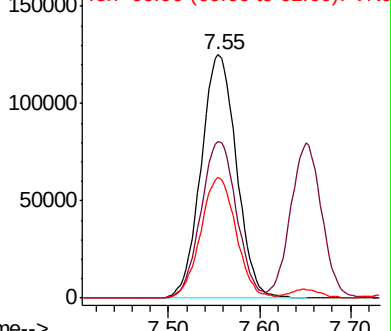
97 100

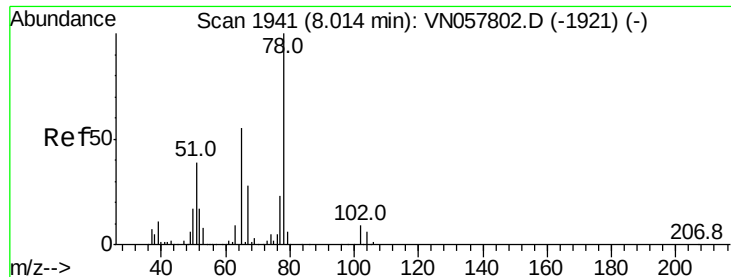
99 64.7 51.0 76.4

61 49.9 39.0 58.6



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

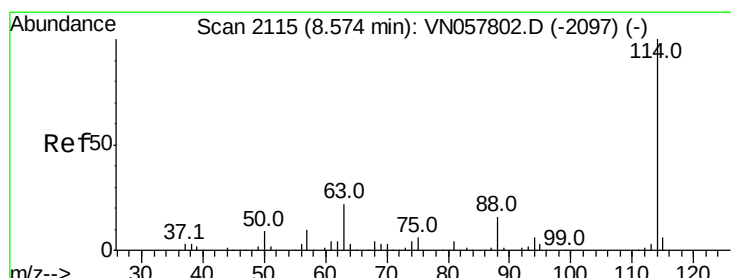
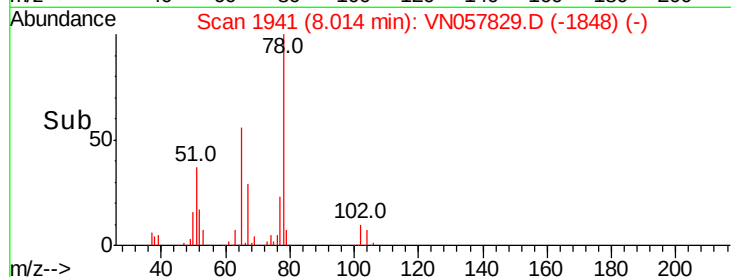
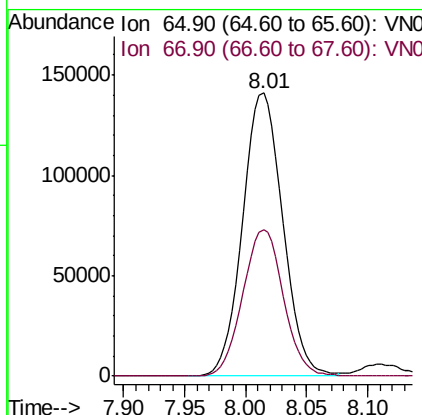
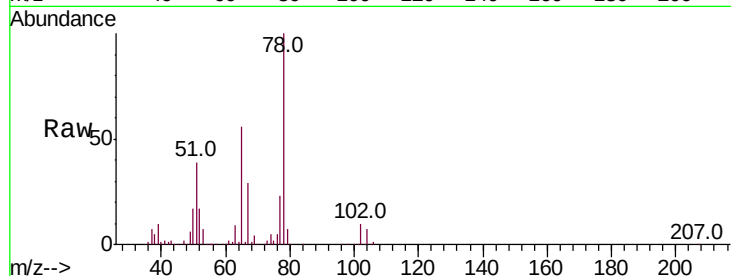




#33
 1,2-Dichloroethane-d4
 Concen: 50.107 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

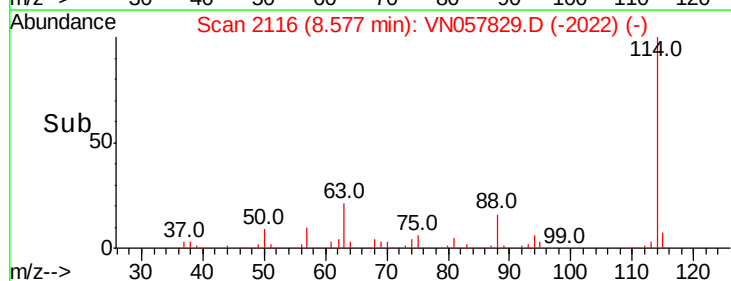
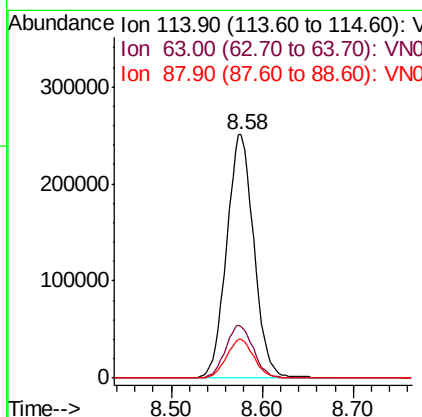
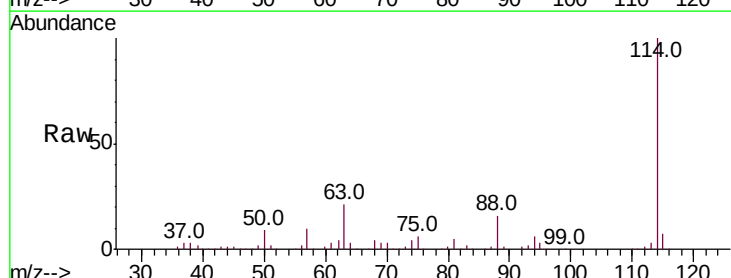
Instrument :
 MSVOA_N
 ClientSampled :

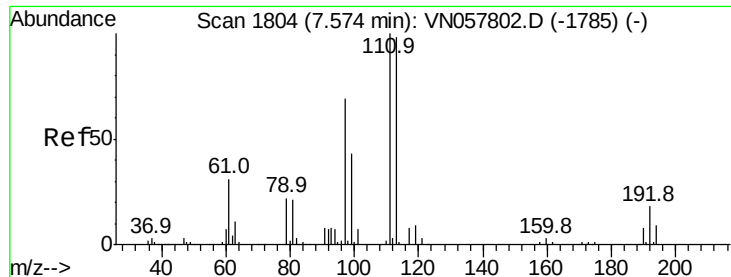
Tot Ion: 65 Resp: 320978
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Tgt Ion: 114 Resp: 520887
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.0
 88 15.8 0.0 31.4

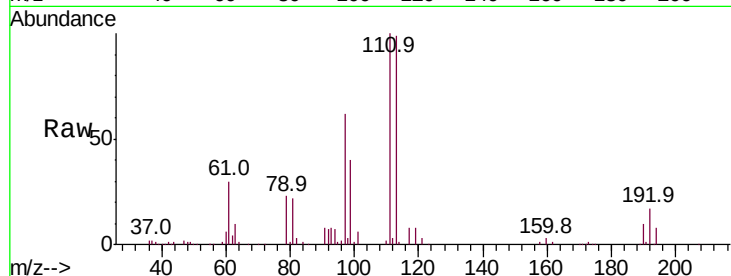




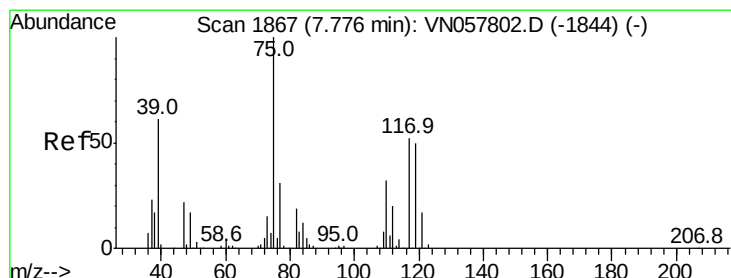
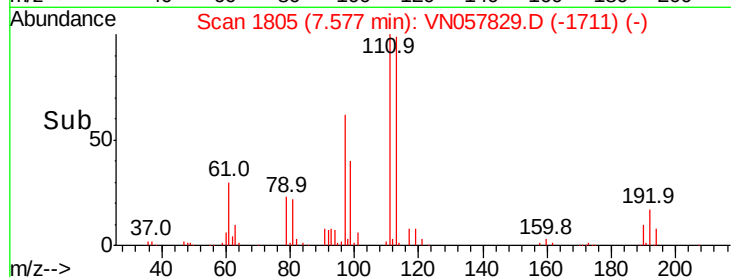
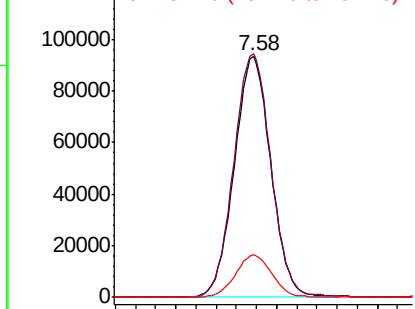
#35
 Dibromofluoromethane
 Concen: 48.820 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 234707
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.3 121.9
 192 17.6 14.6 22.0

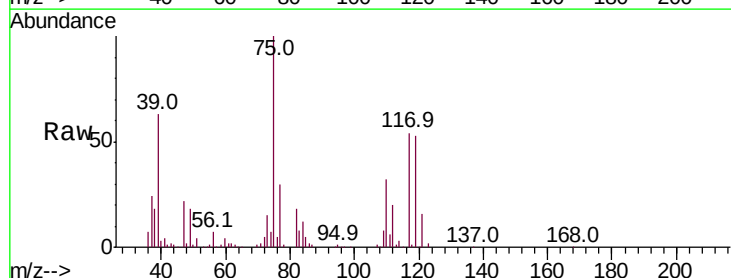


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

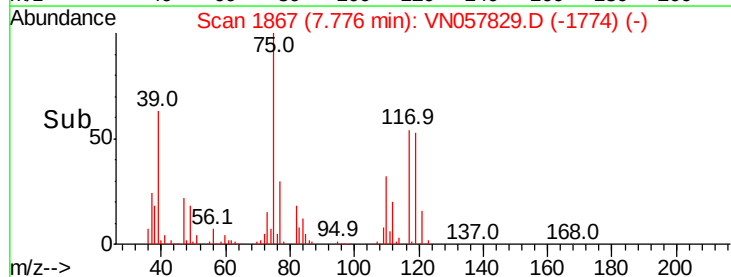
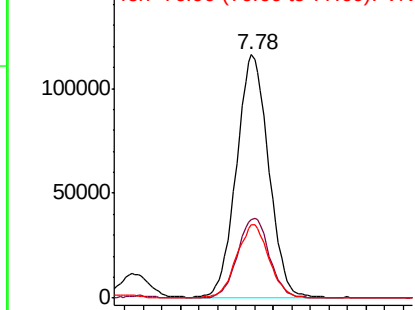


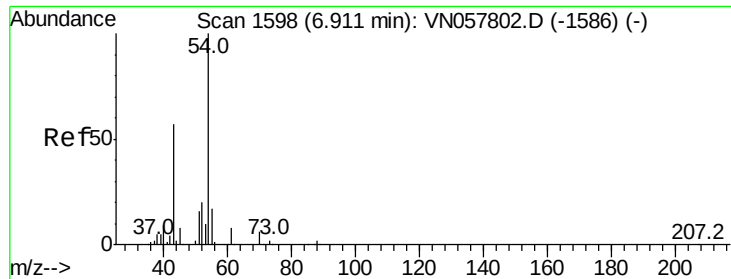
#36
 1,1-Dichloropropene
 Concen: 46.154 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Tgt Ion: 75 Resp: 278810
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.3 48.9
 77 30.7 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

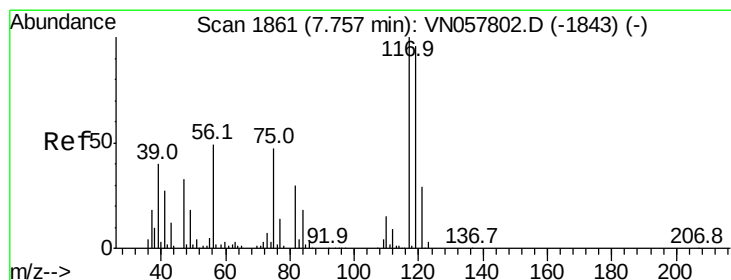
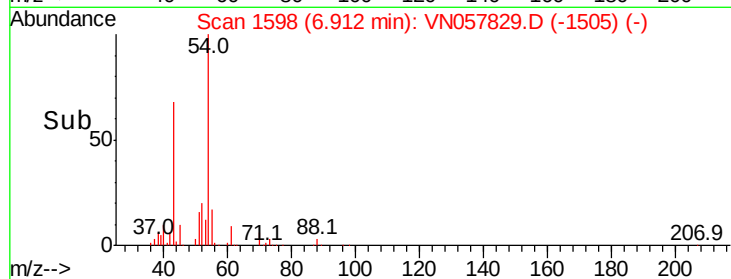
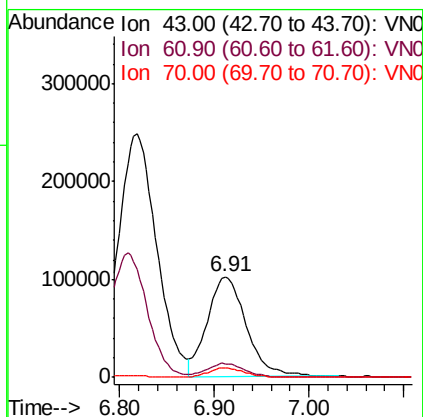
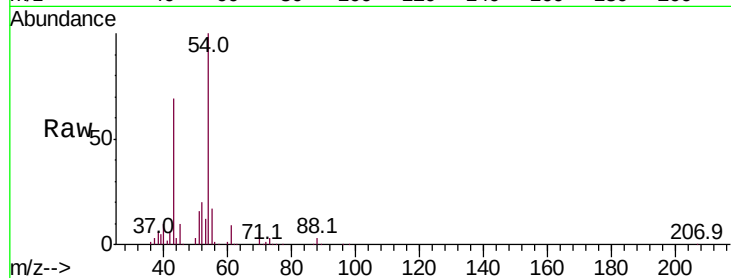




#37
Ethyl Acetate
Concen: 46.895 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

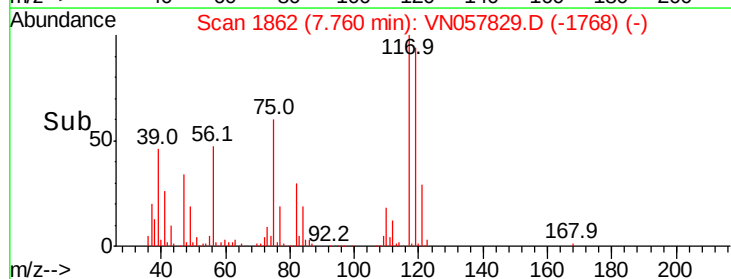
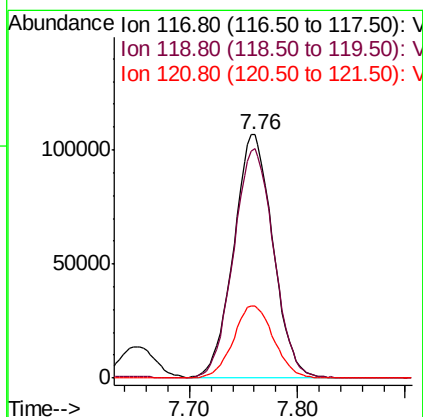
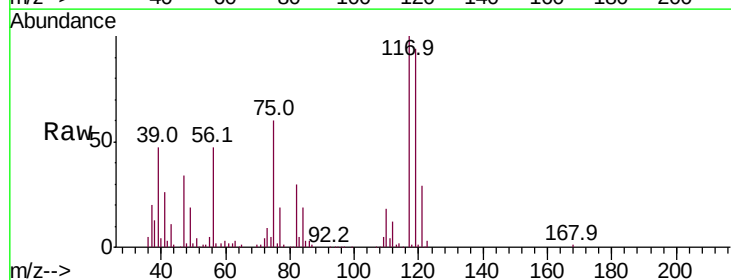
Instrument :
MSVOA_N
ClientSampled :

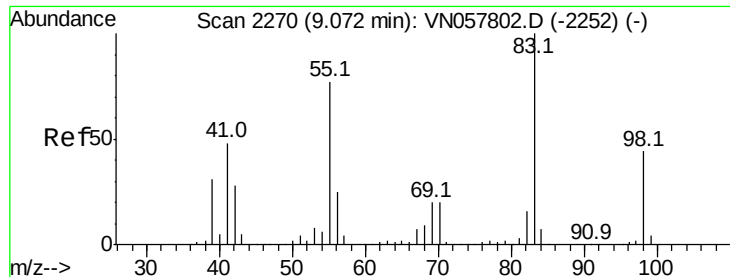
Tot Ion: 43 Resp: 292690
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 9.0 7.4 11.0



#38
Carbon Tetrachloride
Concen: 48.781 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 117 Resp: 269042
Ion Ratio Lower Upper
117 100
119 94.3 76.9 115.3
121 29.6 23.4 35.2

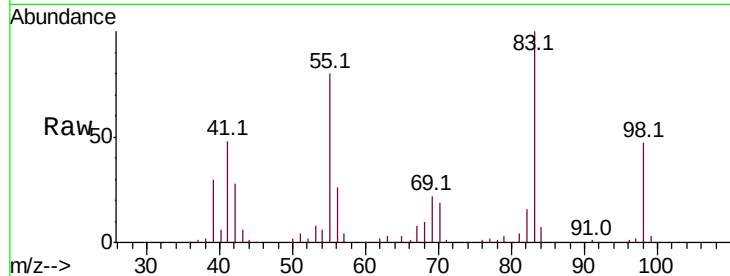




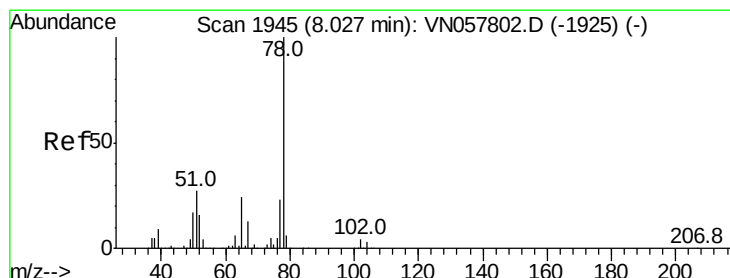
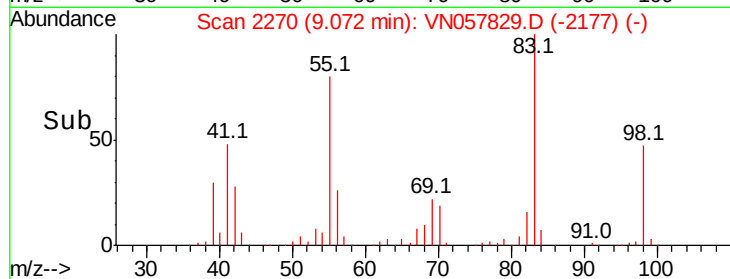
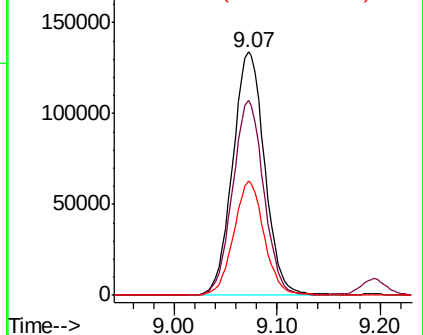
#39
Methylvlcyclohexane
Concen: 45.470 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 288750
Ion Ratio Lower Upper
83 100
55 80.0 61.6 92.4
98 47.0 34.9 52.3

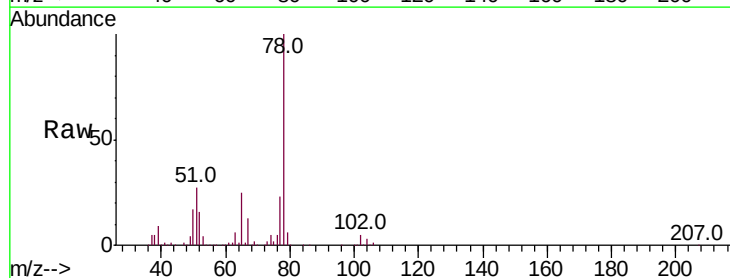


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

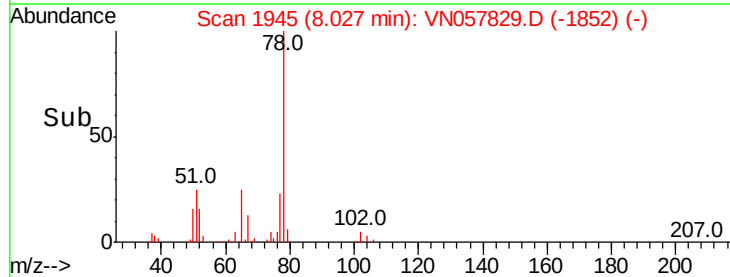
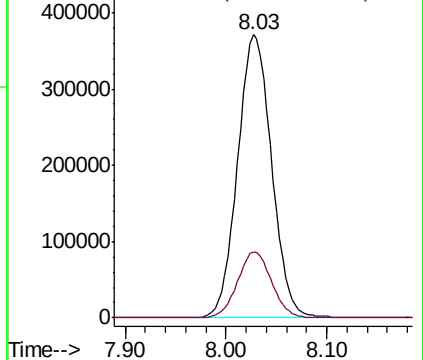


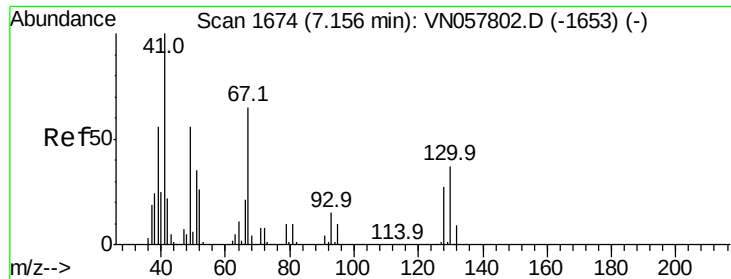
#40
Benzene
Concen: 47.628 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 78 Resp: 866217
Ion Ratio Lower Upper
78 100
77 23.3 18.3 27.5



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

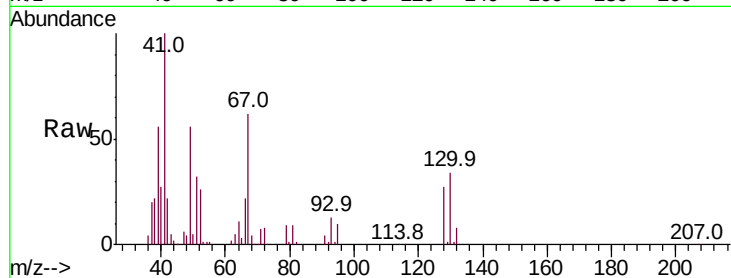




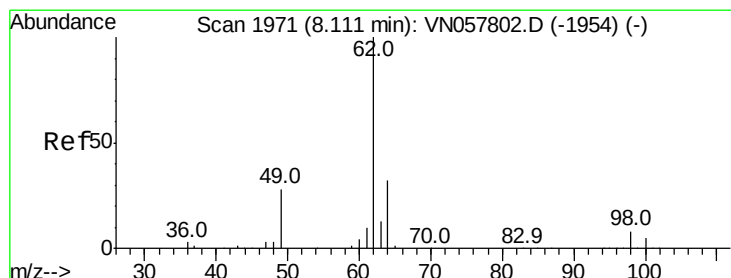
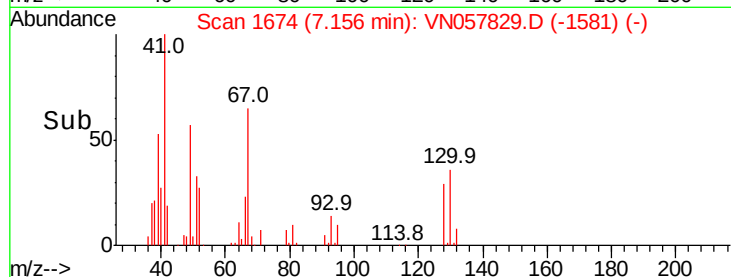
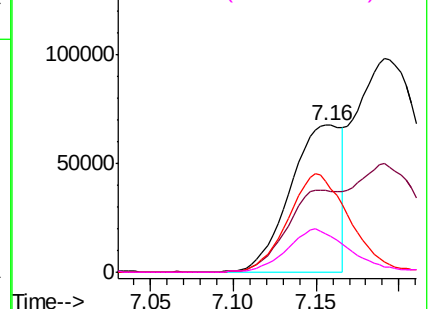
#41
Methacrylonitrile
Concen: 51.244 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 145183
Ion Ratio Lower Upper
41 100
39 53.1 51.0 76.6
67 81.5 70.7 106.1
52 36.2 30.8 46.2

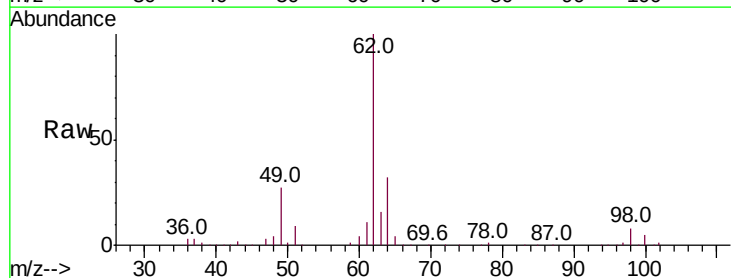


Abundance Ion 41.00 (40.70 to 41.70): VNO
150000 Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

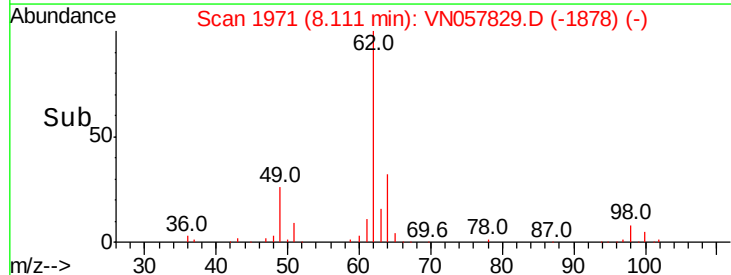
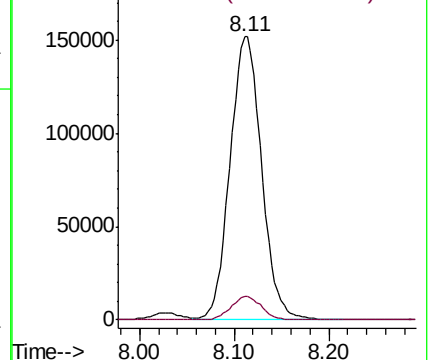


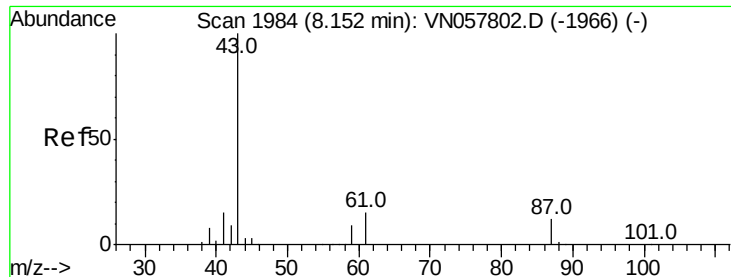
#42
1,2-Dichloroethane
Concen: 48.221 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 62 Resp: 350745
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
150000 Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 48.806 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampleId :

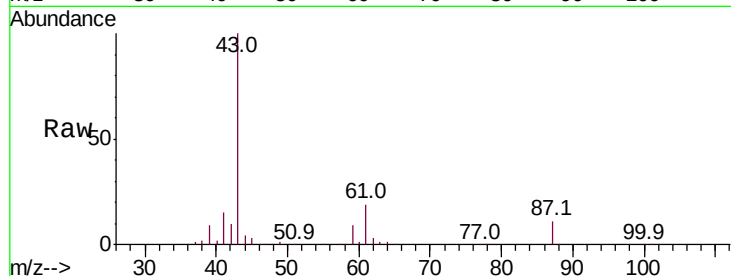
Tot Ion: 43 Resp: 512266

Ion Ratio Lower Upper

43 100

61 25.1 20.1 30.1

87 11.9 9.5 14.3

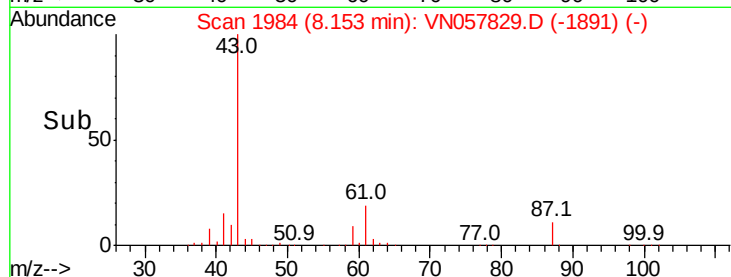


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

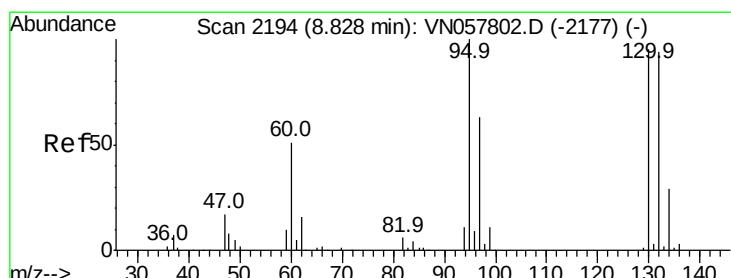
Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

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

8.15



Time-->



#44

Trichloroethene

Concen: 46.783 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057829.D

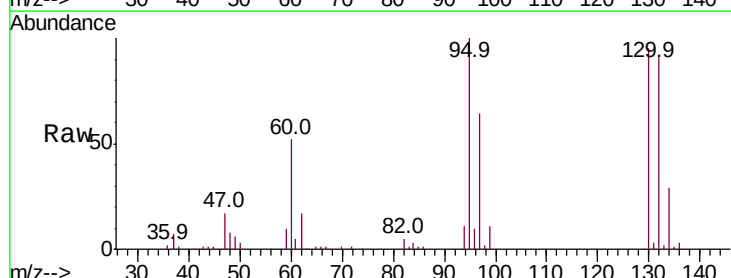
Acq: 10 Sep 2019 2:28

Tgt Ion:130 Resp: 208690

Ion Ratio Lower Upper

130 100

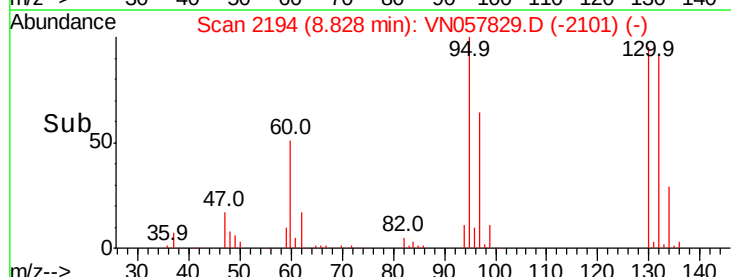
95 105.1 0.0 211.4



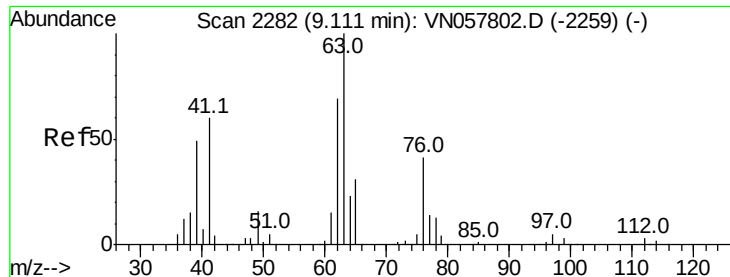
Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

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

8.83



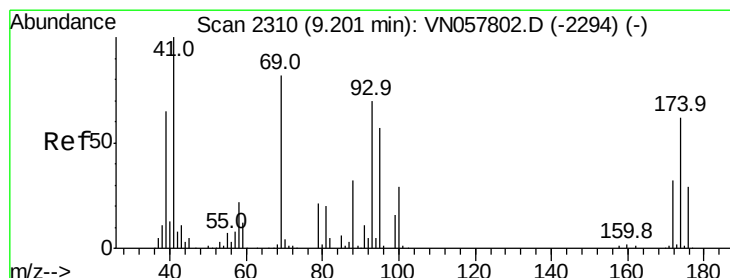
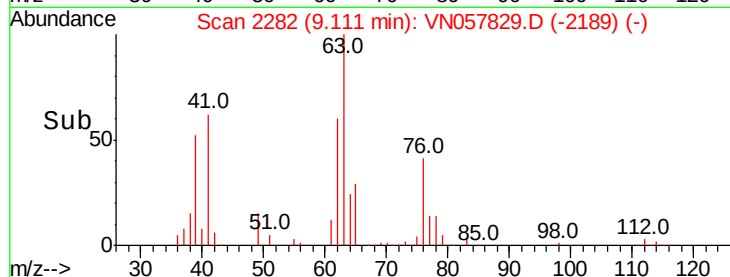
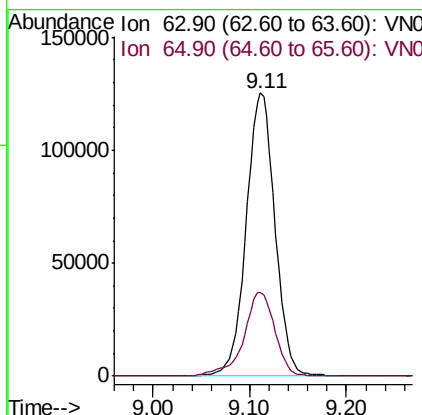
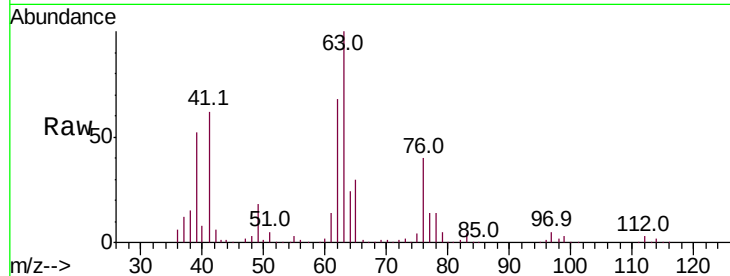
Time-->



#45
 1,2-Dichloropropane
 Concen: 48.819 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

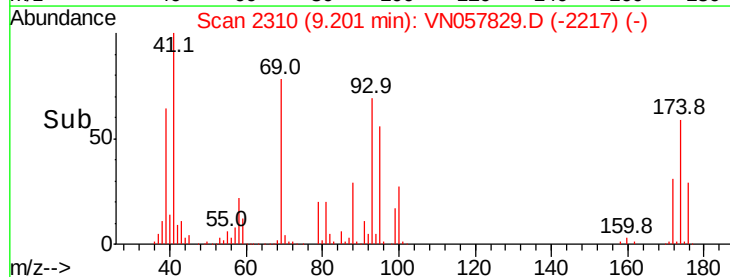
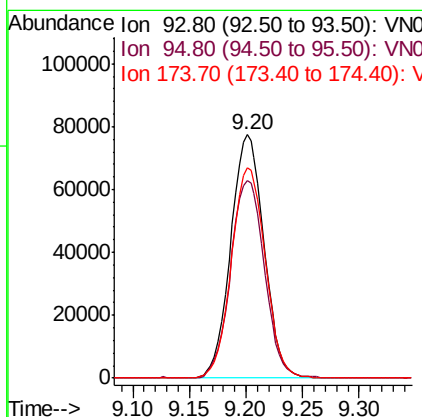
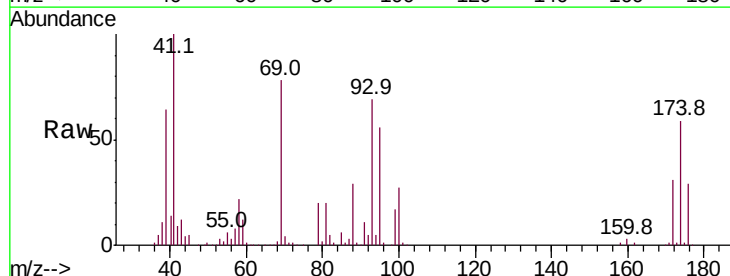
Instrument :
 MSVOA_N
 ClientSampleId :

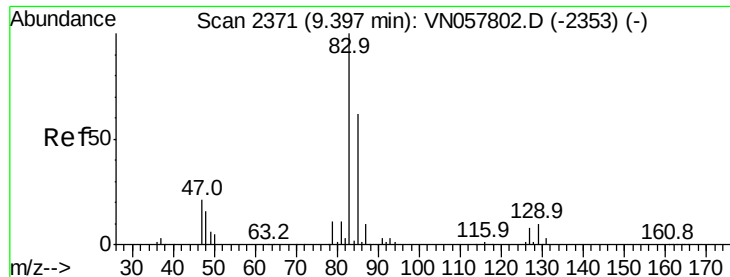
Tot Ion: 63 Resp: 258357
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.8 37.2



#46
 Dibromomethane
 Concen: 49.528 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Tgt Ion: 93 Resp: 158389
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 88.1 71.8 107.6





#47

Bromodichloromethane

Concen: 50.916 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :
MSVOA_N
ClientSampled :

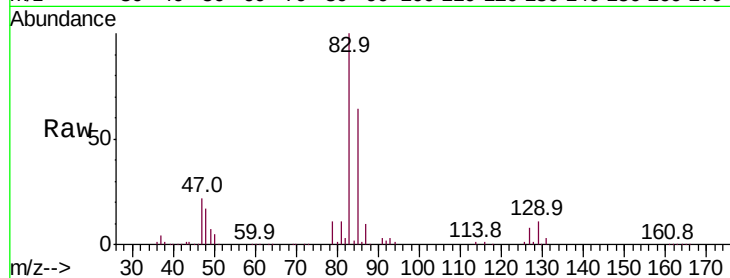
Tot Ion: 83 Resp: 325151

Ion Ratio Lower Upper

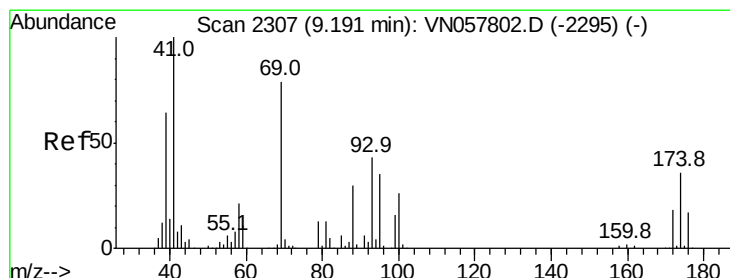
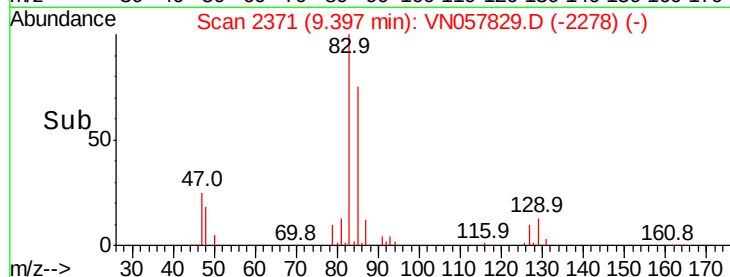
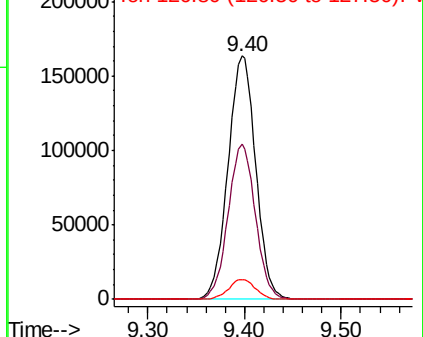
83 100

85 63.7 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: 47.609 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

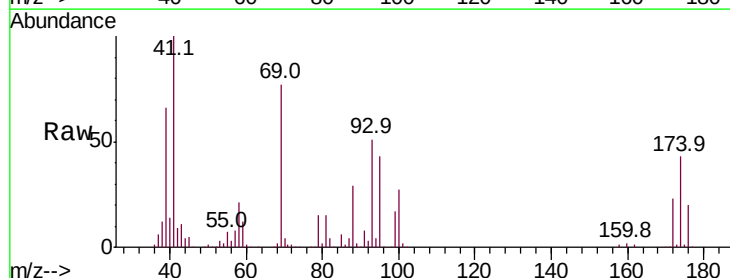
Tgt Ion: 41 Resp: 253480

Ion Ratio Lower Upper

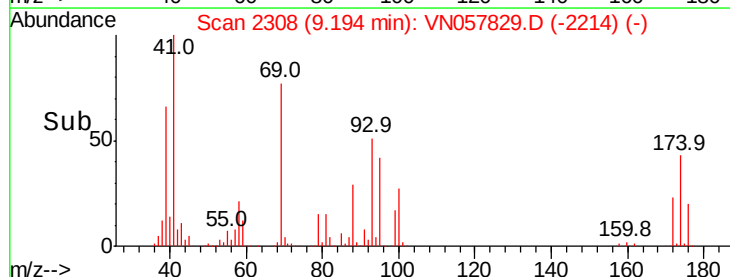
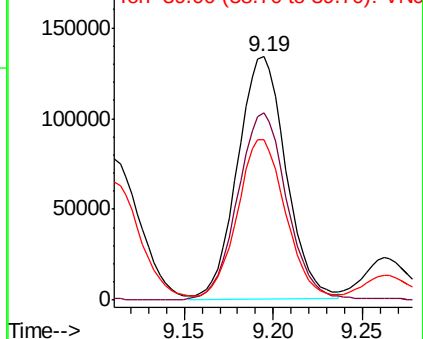
41 100

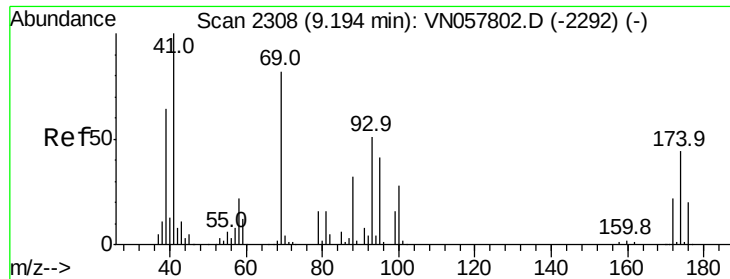
69 78.2 62.7 94.1

39 66.1 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

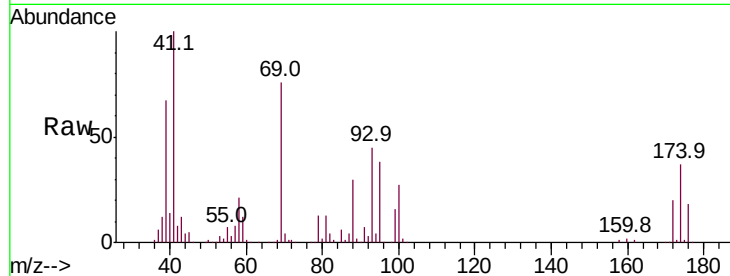




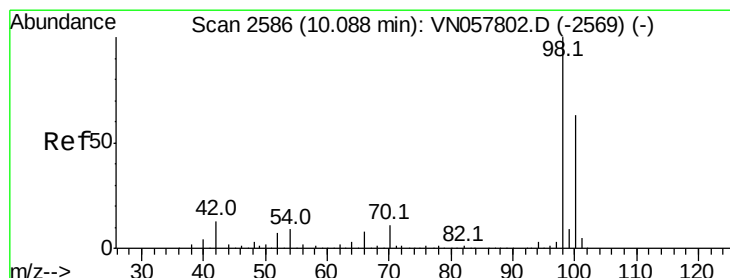
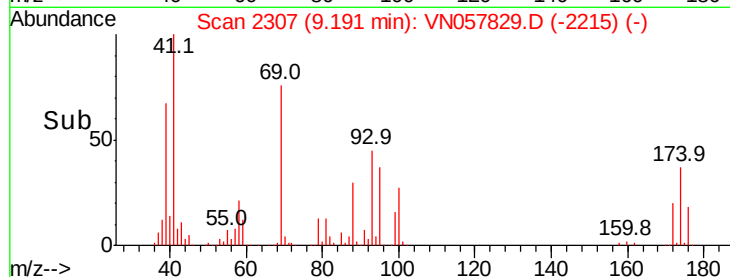
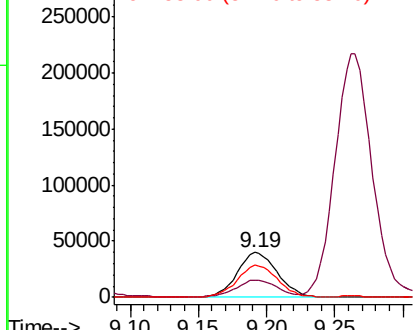
#49
 1,4-Dioxane
 Concen: 913.484 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 82248
 Ion Ratio Lower Upper
 88 100
 43 37.8 28.5 42.7
 58 71.6 55.8 83.6

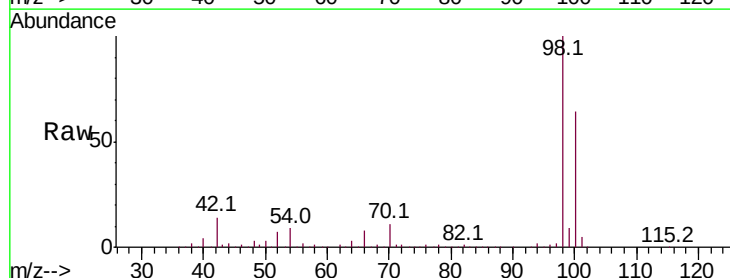


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

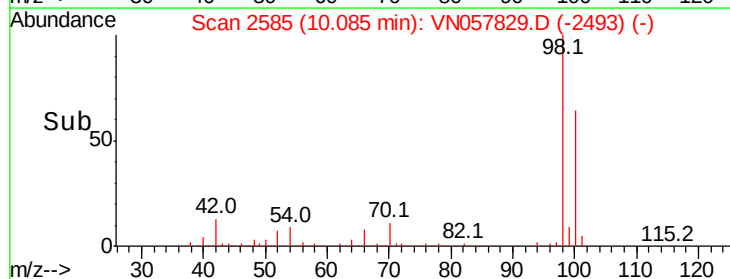
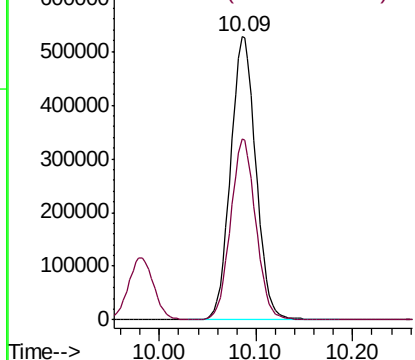


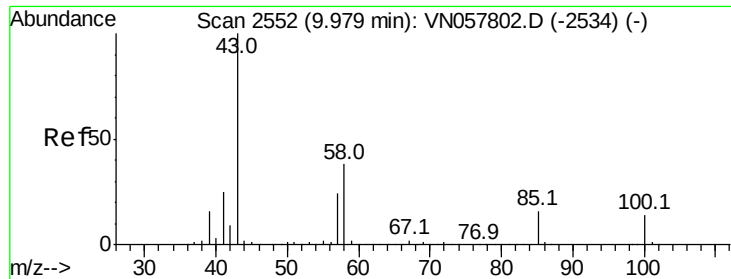
#50
 Toluene-d8
 Concen: 51.345 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Tgt Ion: 98 Resp: 958389
 Ion Ratio Lower Upper
 98 100
 100 63.6 50.3 75.5



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





#51

4-Methyl-2-Pentanone

Concen: 257.043 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

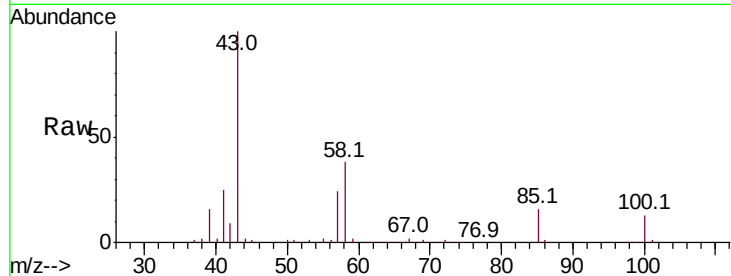
ClientSampled :

Tot Ion: 43 Resp: 1596548

Ion Ratio Lower Upper

43 100

58 37.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

800000

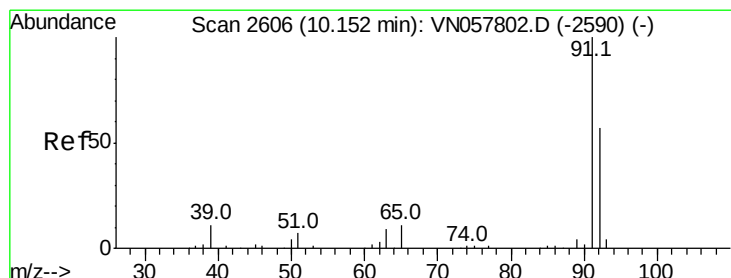
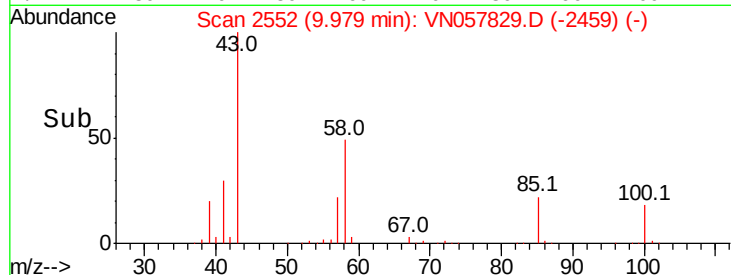
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.553 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057829.D

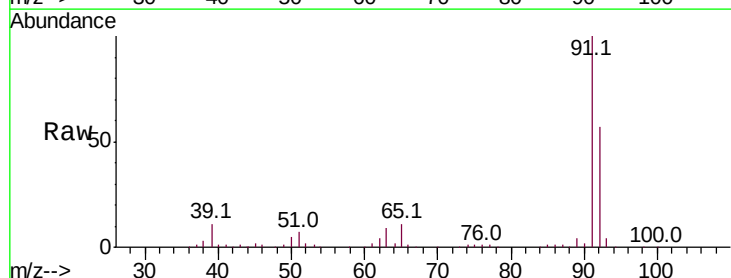
Acq: 10 Sep 2019 2:28

Tgt Ion: 92 Resp: 556173

Ion Ratio Lower Upper

92 100

91 176.7 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

600000

500000

400000

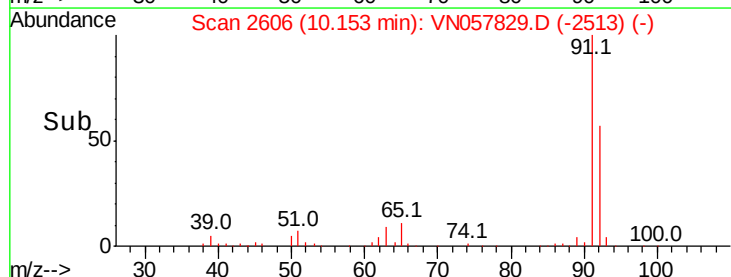
300000

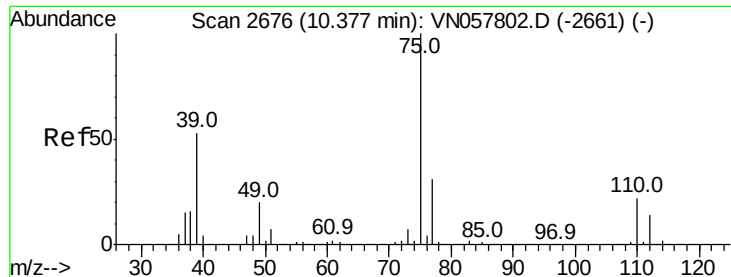
200000

100000

0

Time-->

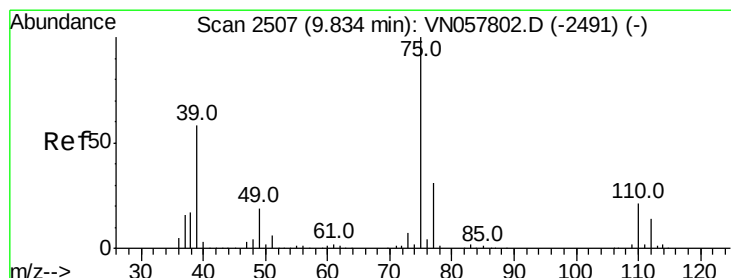
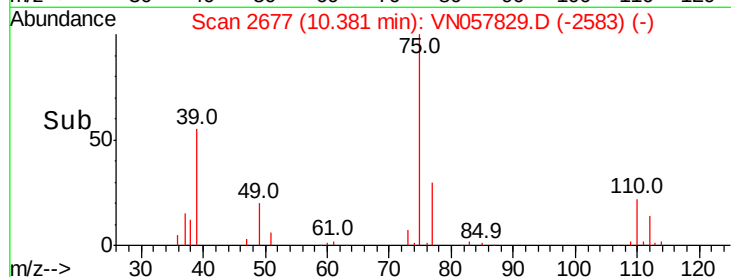
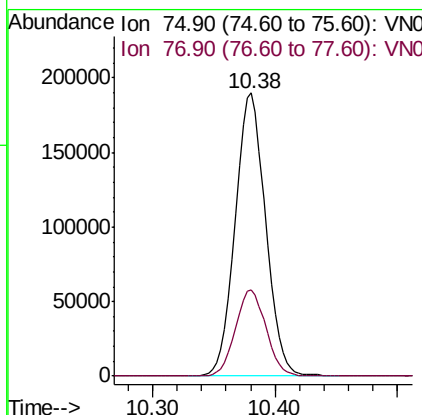
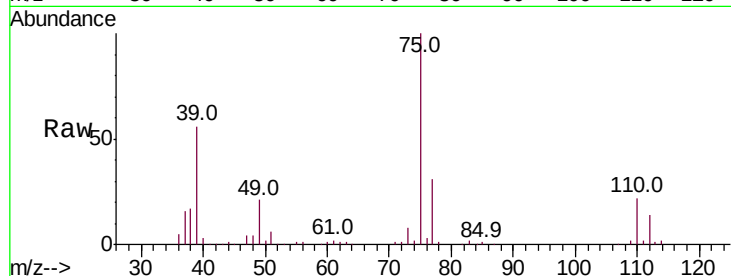




#53
t-1,3-Dichloropropene
Concen: 48.666 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

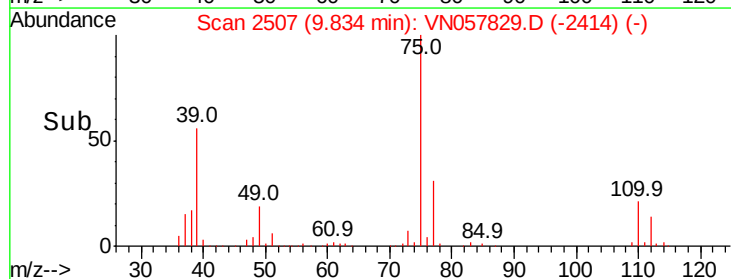
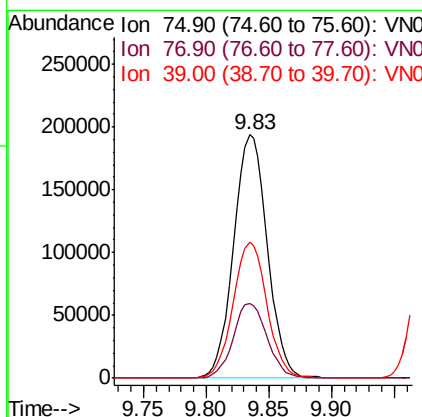
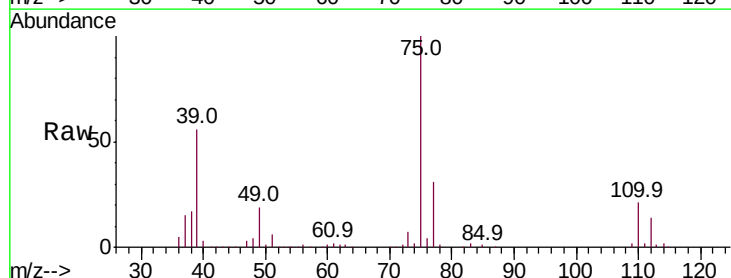
Instrument :
MSVOA_N
ClientSampleId :

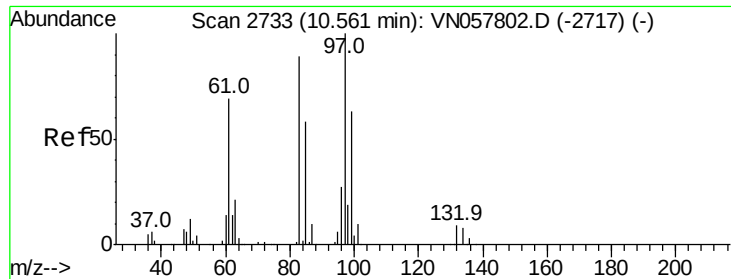
Tot Ion: 75 Resp: 327268
Ion Ratio Lower Upper
75 100
77 30.6 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 48.732 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 75 Resp: 361819
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 55.5 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 48.961 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

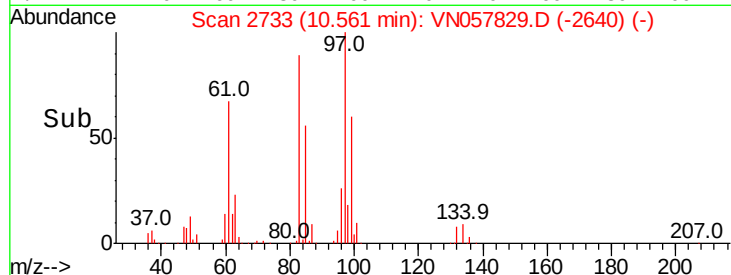
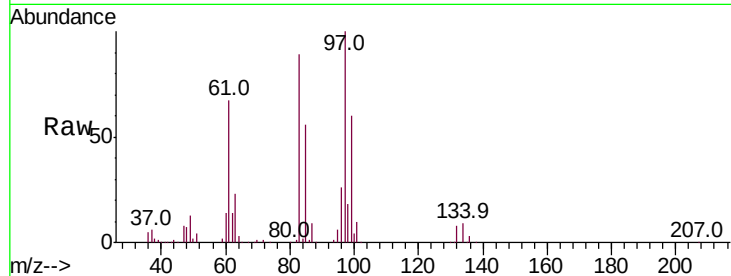
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 237569

Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.8	106.2
85	56.5	46.0	69.0
99	60.4	50.6	76.0



Abundance

Ion 96.90 (96.60 to 97.60): VN0

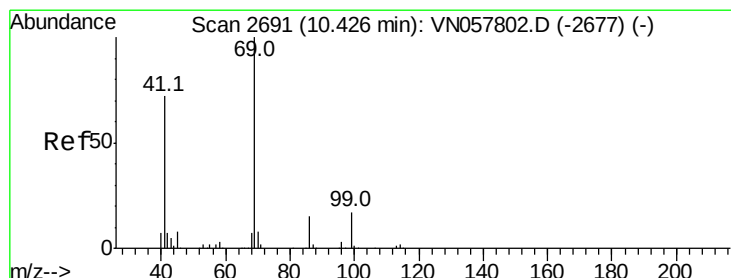
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



#56

Ethyl methacrylate

Concen: 49.826 ug/l

RT: 10.43 min Scan# 2691

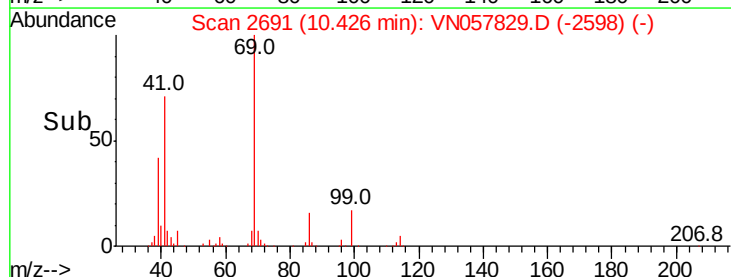
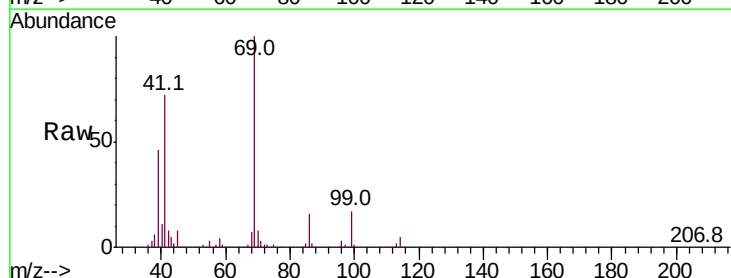
Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Tgt Ion: 69 Resp: 364071

Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.7	85.1
39	45.5	36.3	54.5



Abundance

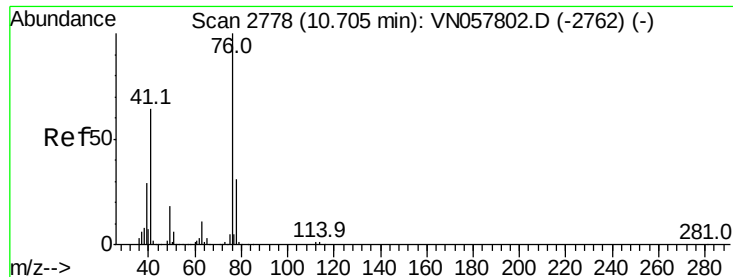
Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

Time-->



#57

1,3-Dichloropropane

Concen: 48.595 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

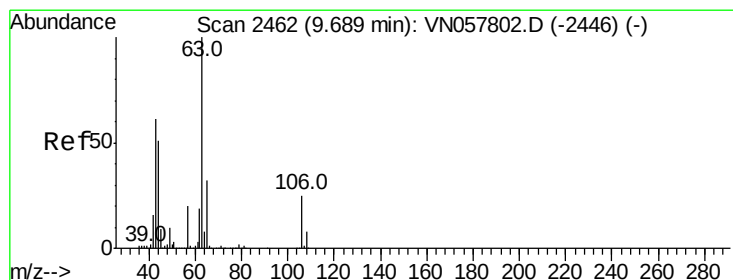
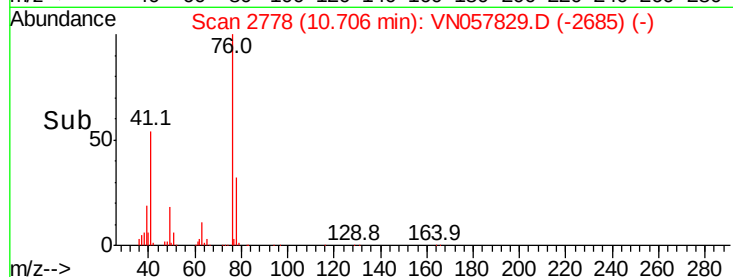
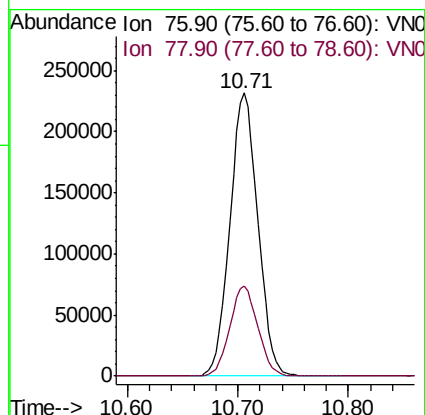
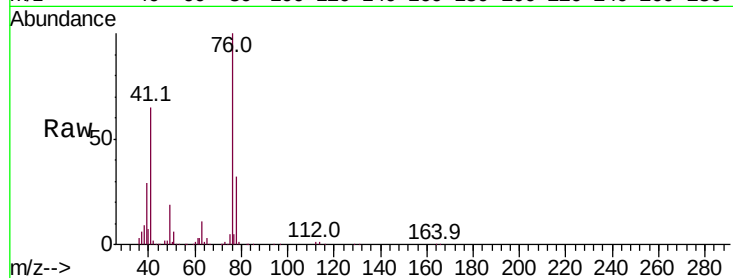
ClientSampleId :

Tot Ion: 76 Resp: 406359

Ion Ratio Lower Upper

76 100

78 31.9 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 249.857 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057829.D

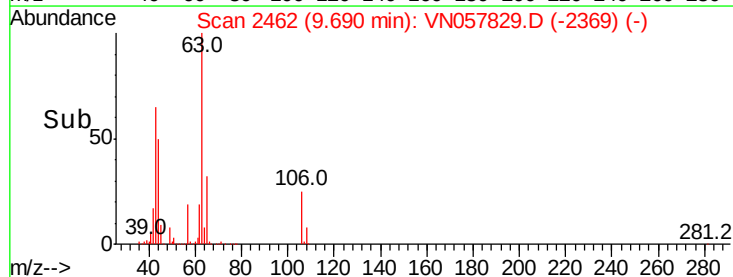
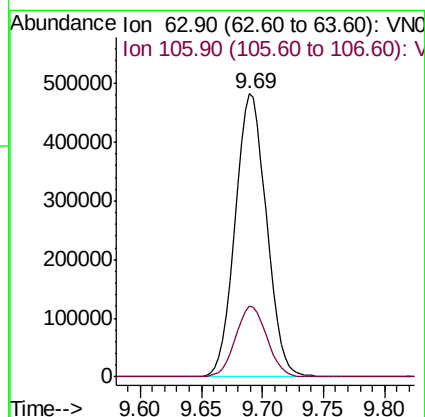
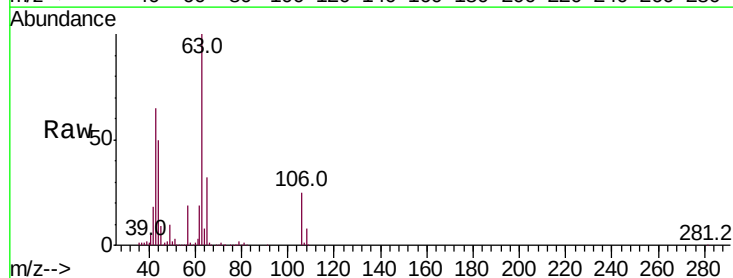
Acq: 10 Sep 2019 2:28

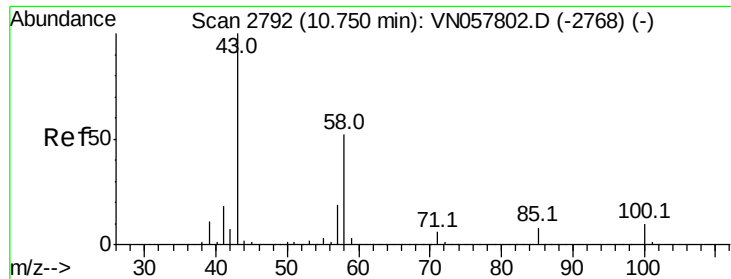
Tgt Ion: 63 Resp: 859877

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0





#59

2-Hexanone

Concen: 246.108 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

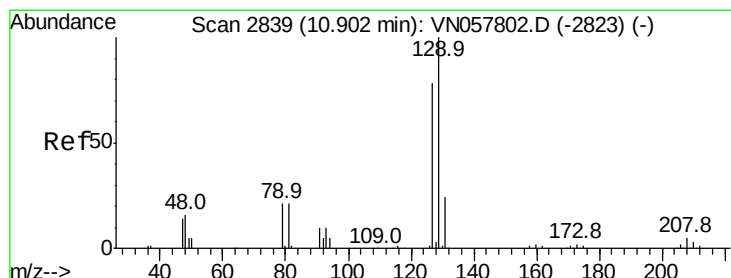
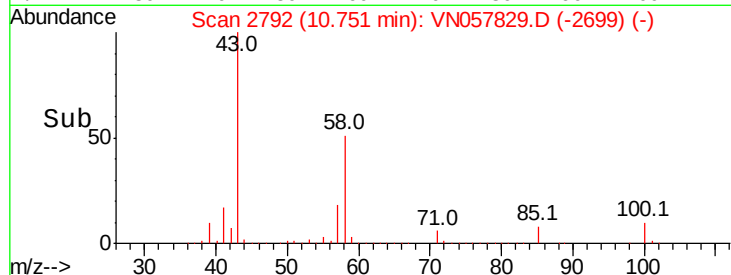
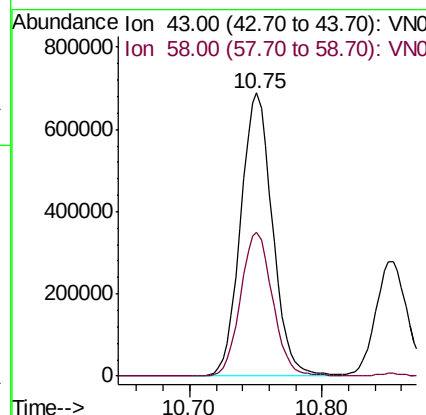
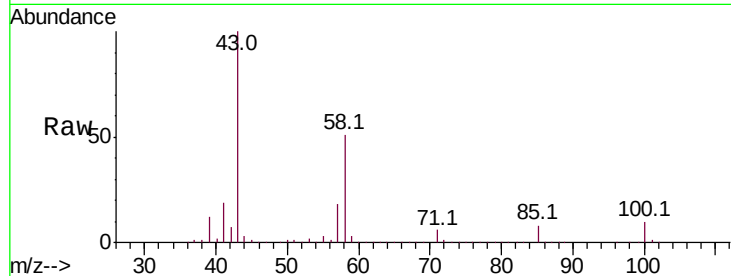
ClientSampled :

Tot Ion: 43 Resp: 1145763

Ion Ratio Lower Upper

43 100

58 51.4 25.6 76.8



#60

Dibromochloromethane

Concen: 50.781 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057829.D

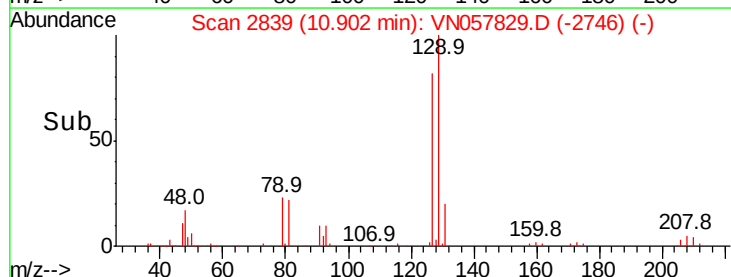
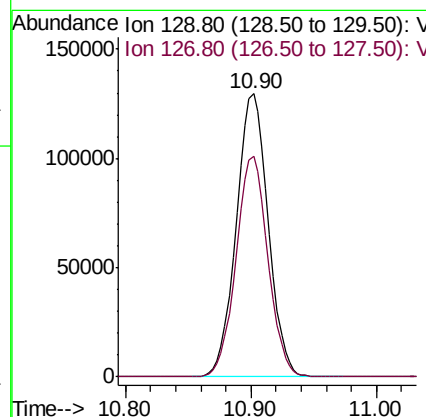
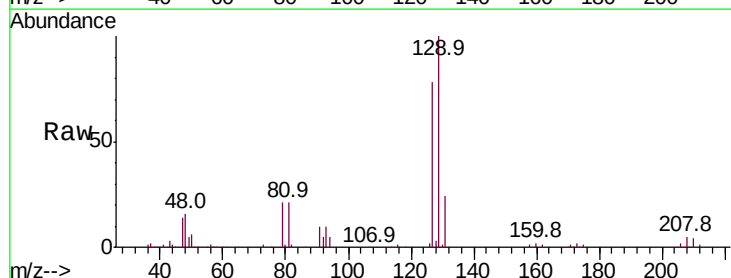
Acq: 10 Sep 2019 2:28

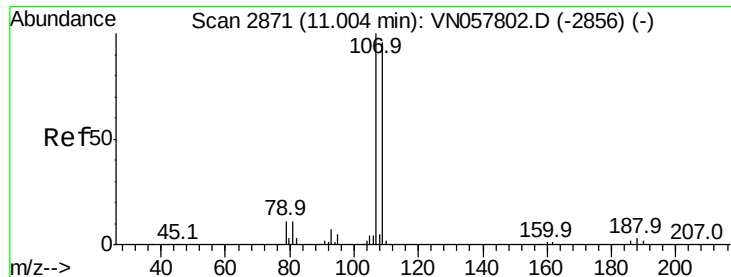
Tgt Ion: 129 Resp: 228805

Ion Ratio Lower Upper

129 100

127 77.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.056 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

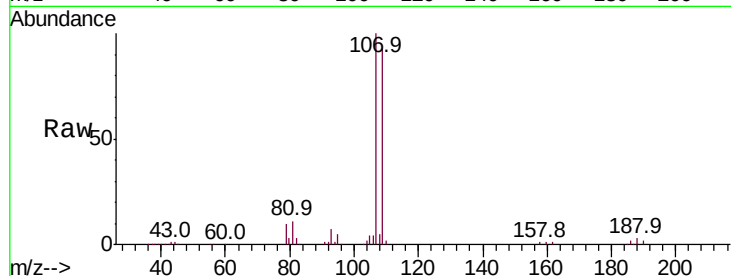
ClientSampled :

Tot Ion:107 Resp: 225034

Ion Ratio Lower Upper

107 100

109 95.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

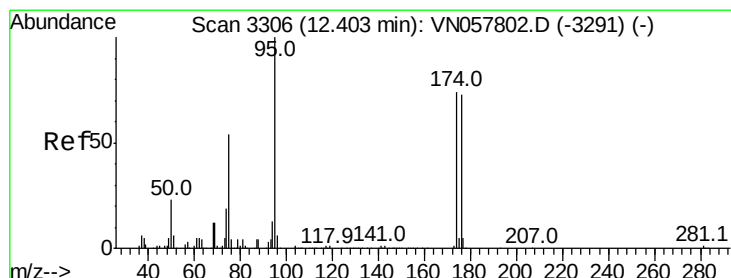
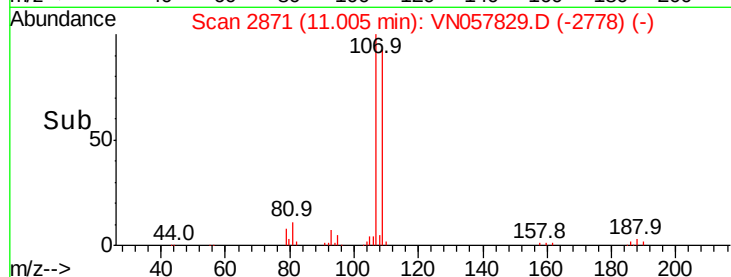
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.385 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

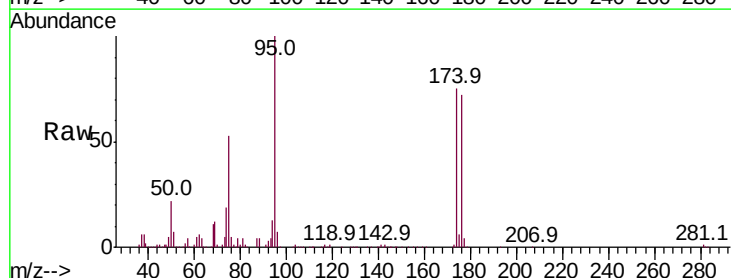
Tgt Ion: 95 Resp: 337058

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

176 73.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

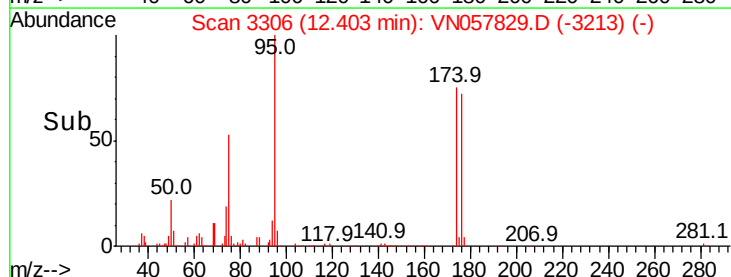
150000

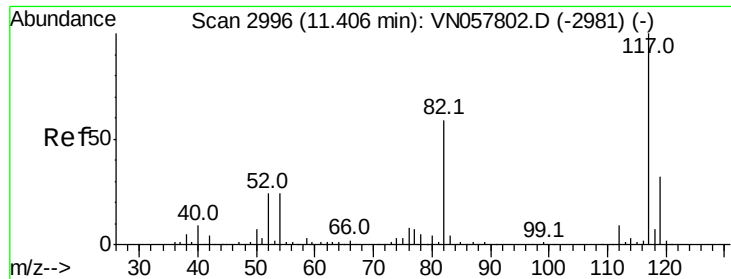
100000

50000

0

Time--> 12.35 12.40 12.45

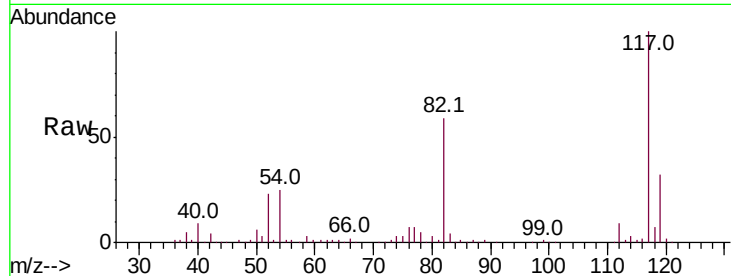




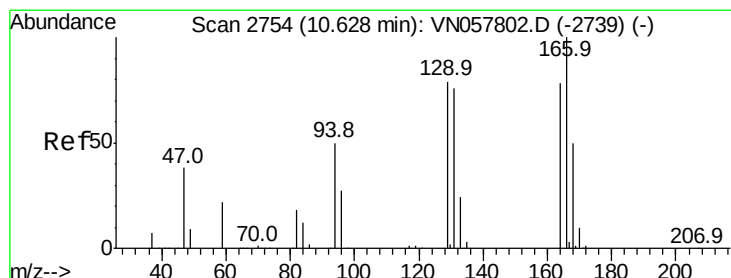
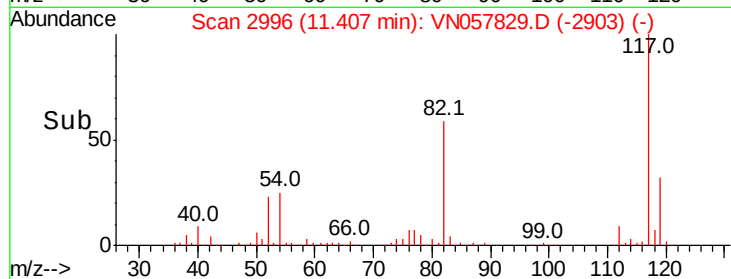
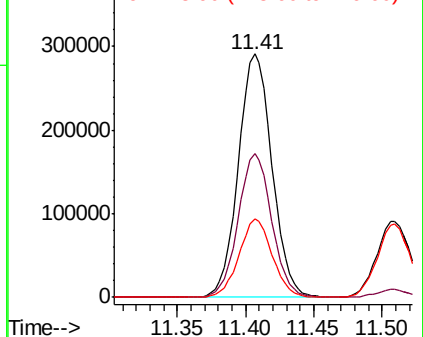
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 498996
Ion Ratio Lower Upper
117 100
82 59.0 47.2 70.8
119 32.2 25.3 37.9

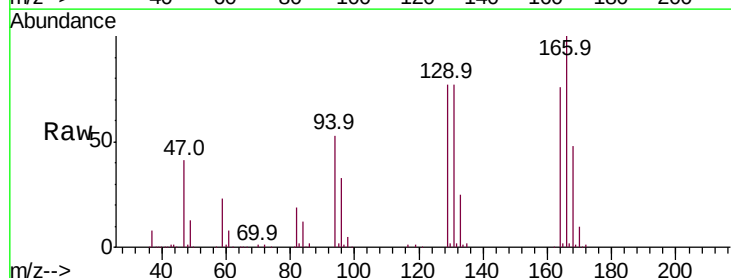


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

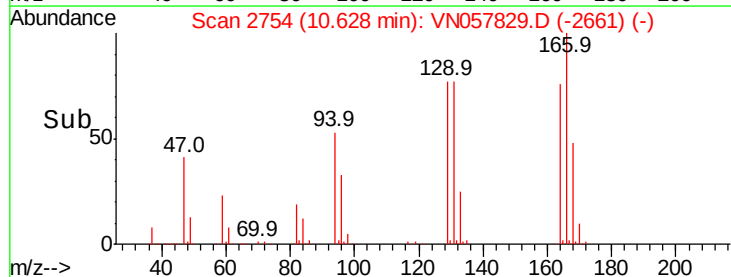
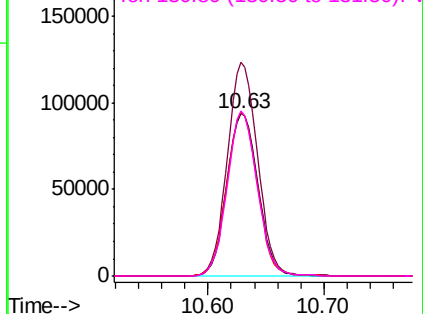


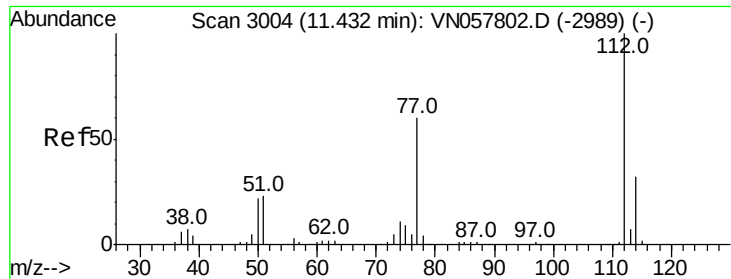
#64
Tetrachloroethene
Concen: 47.233 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion:164 Resp: 174024
Ion Ratio Lower Upper
164 100
166 131.7 102.2 153.2
129 101.3 80.8 121.2
131 101.8 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

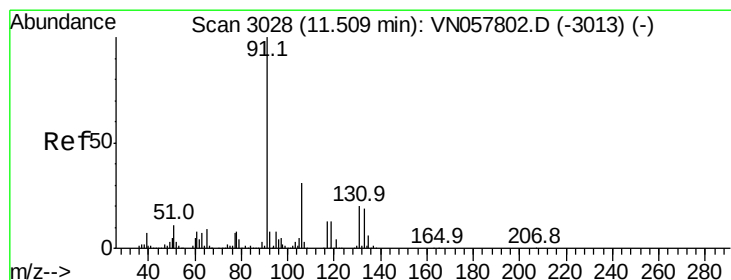
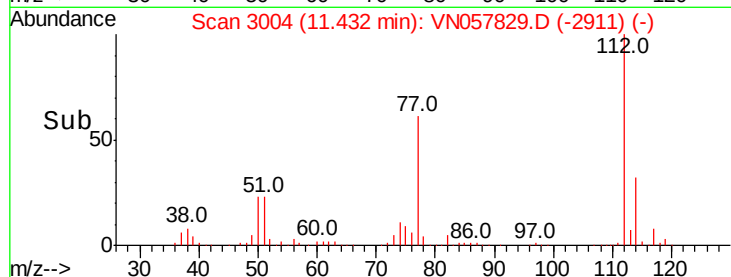
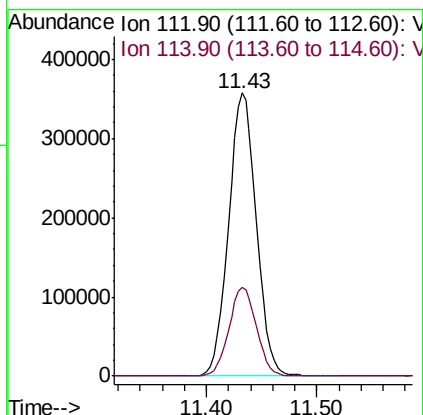
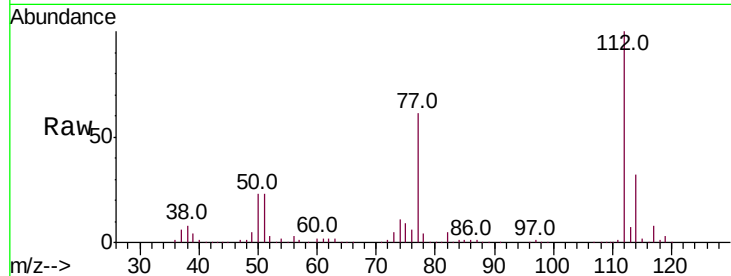




#65
Chlorobenzene
Concen: 47.586 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

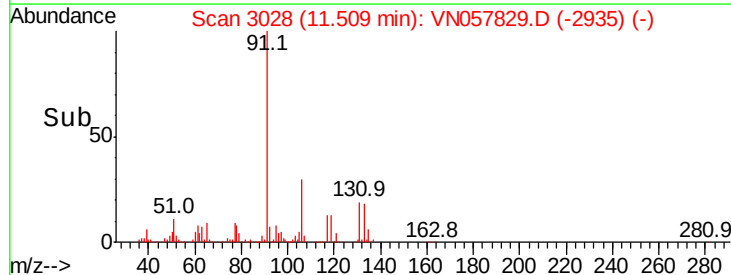
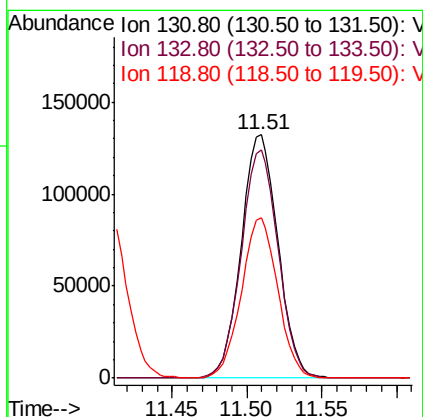
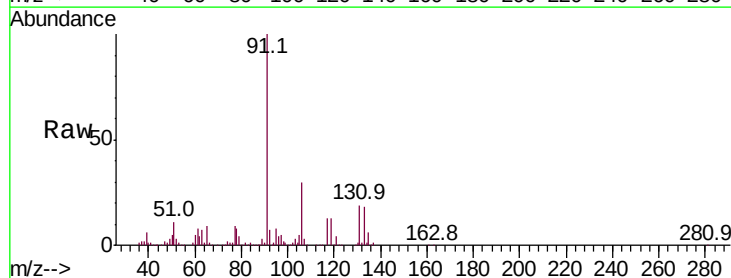
Instrument :
MSVOA_N
ClientSampleId :

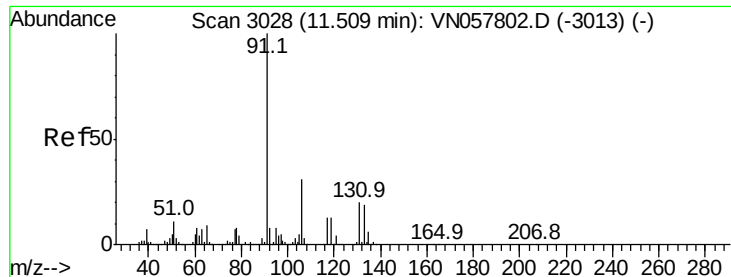
Tot Ion:112 Resp: 621434
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.882 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion:131 Resp: 226035
Ion Ratio Lower Upper
131 100
133 94.6 47.1 141.3
119 65.1 33.3 99.8

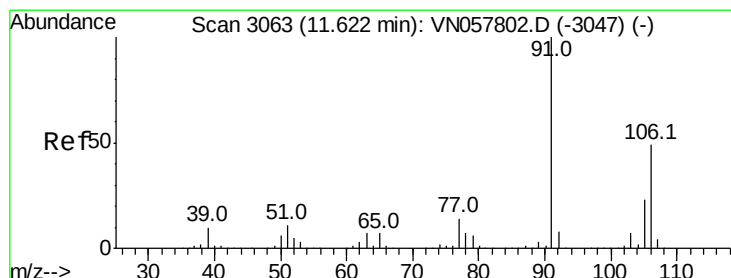
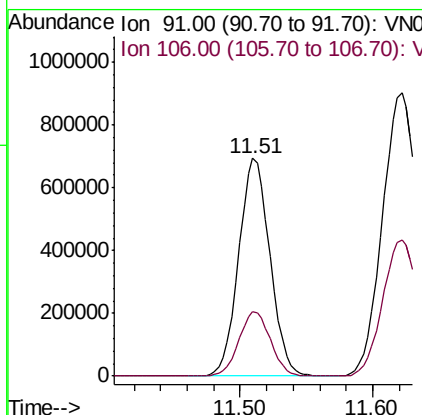
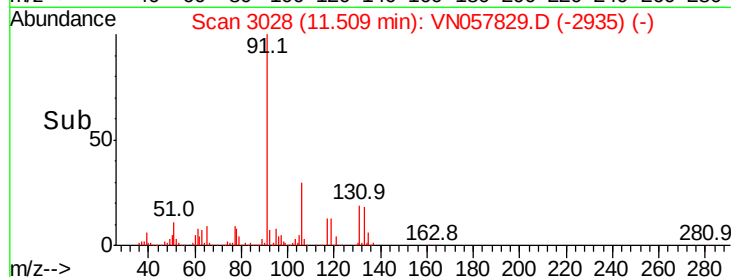
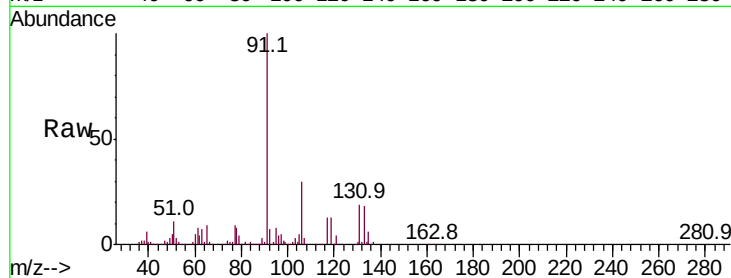




#67
Ethyl Benzene
Concen: 49.728 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

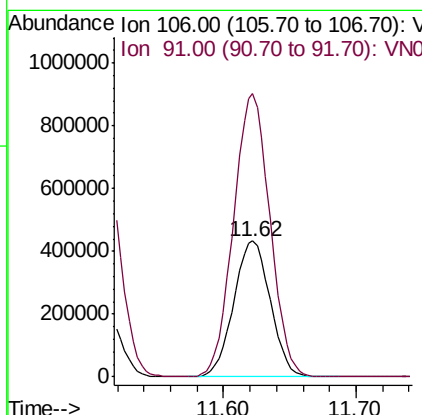
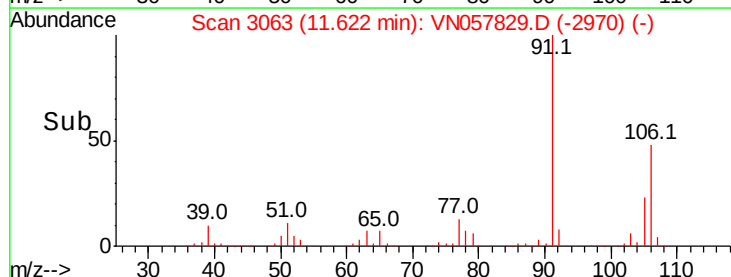
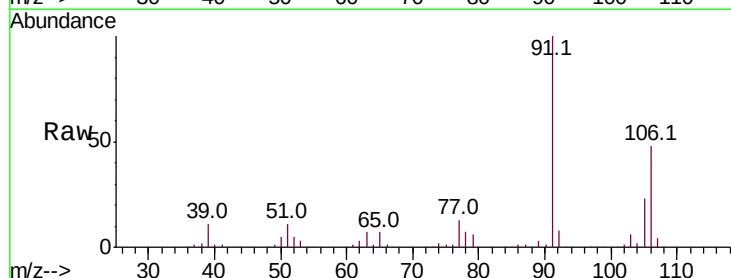
Instrument :
MSVOA_N
ClientSampled :

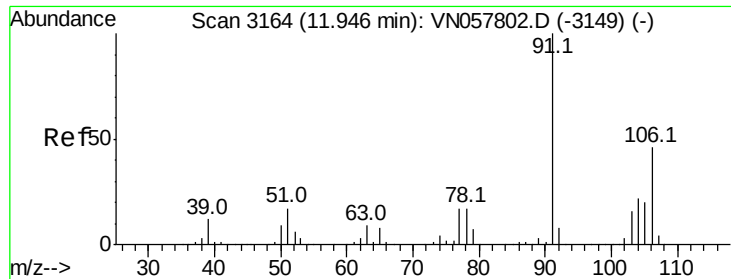
Tot Ion: 91 Resp: 1138093
Ion Ratio Lower Upper
91 100
106 29.6 24.4 36.6



#68
m/p-Xylenes
Concen: 98.522 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion: 106 Resp: 825946
Ion Ratio Lower Upper
106 100
91 208.1 165.8 248.6

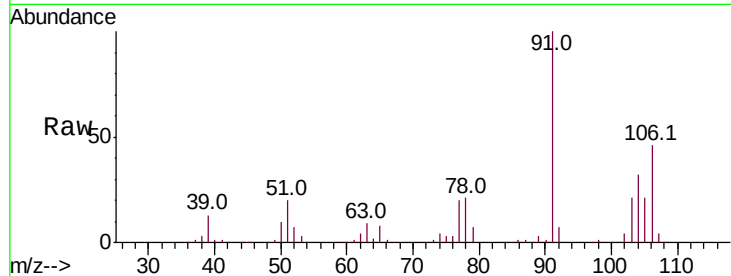




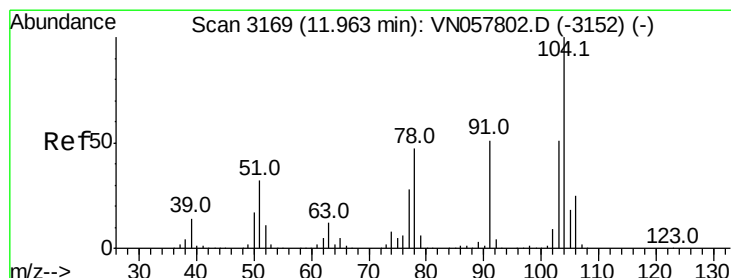
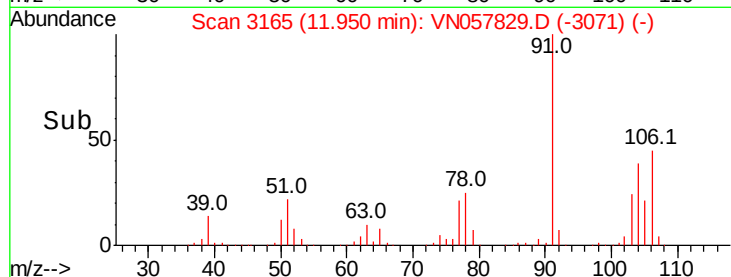
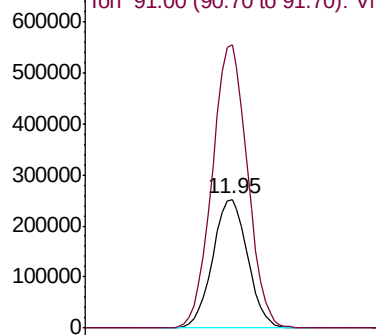
#69
o-Xylene
Concen: 49.433 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 411990
Ion Ratio Lower Upper
106 100
91 221.0 108.7 326.1

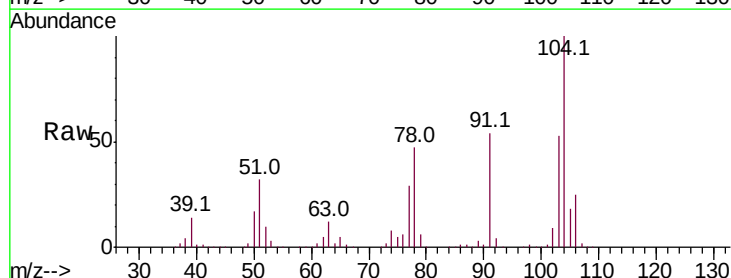


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

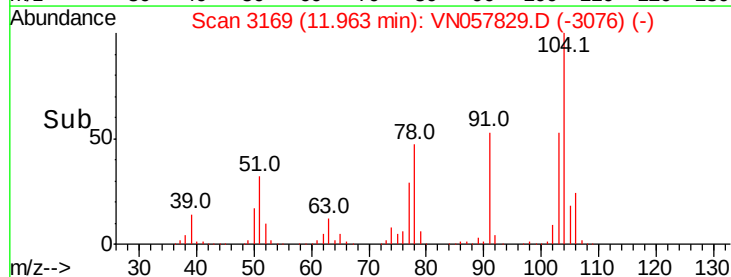
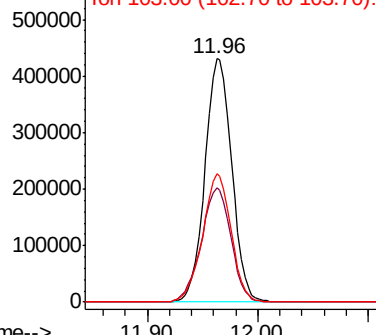


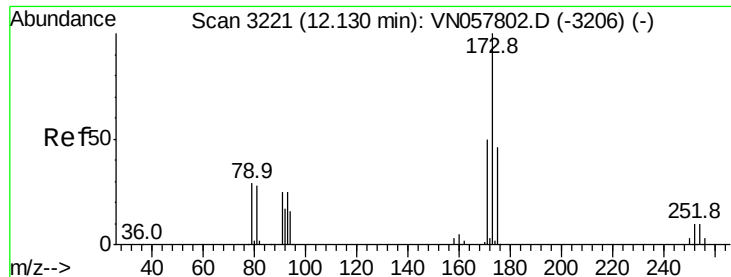
#70
Styrene
Concen: 50.736 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion:104 Resp: 727717
Ion Ratio Lower Upper
104 100
78 51.8 41.3 61.9
103 55.5 43.7 65.5



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





#71

Bromoform

Concen: 50.431 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampled :

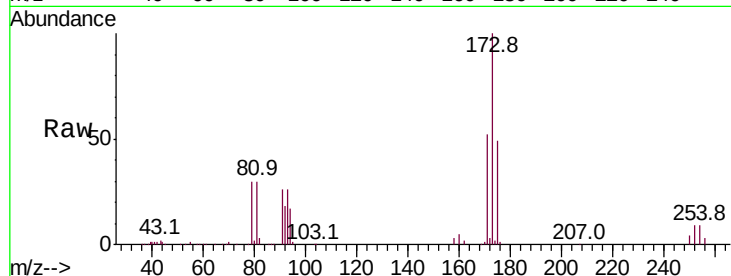
Tot Ion:173 Resp: 142475

Ion Ratio Lower Upper

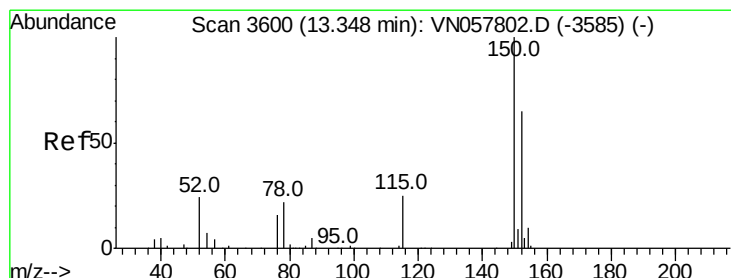
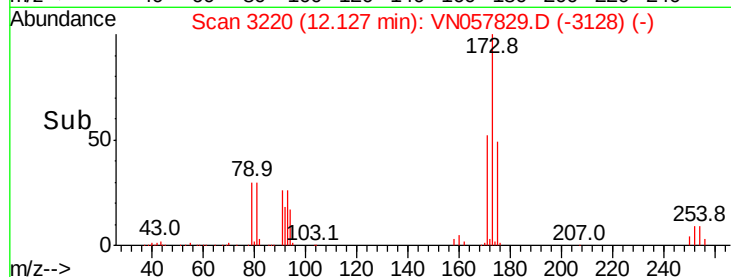
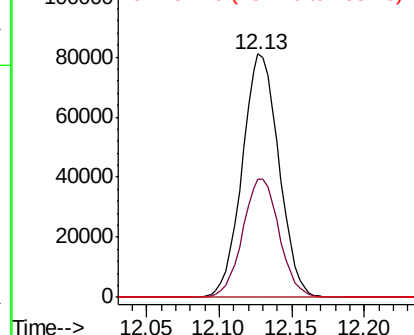
173 100

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: VN057829.D

Acq: 10 Sep 2019 2:28

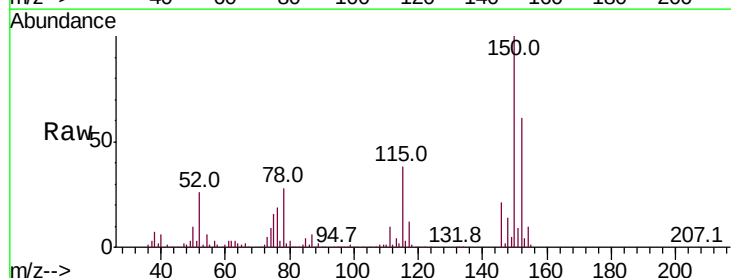
Tgt Ion:152 Resp: 297515

Ion Ratio Lower Upper

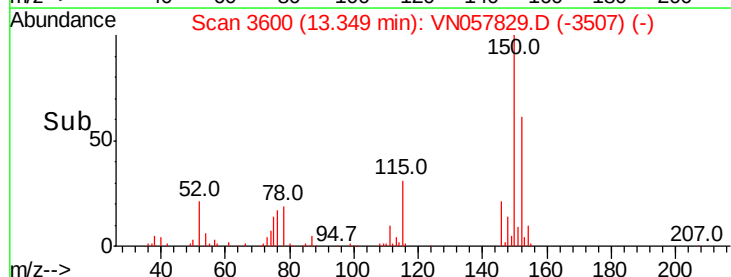
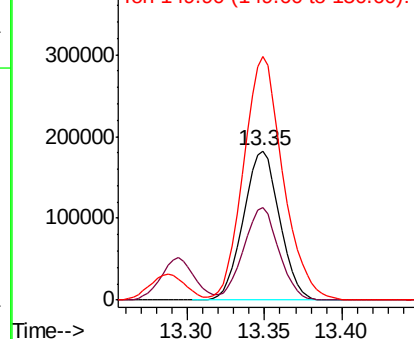
152 100

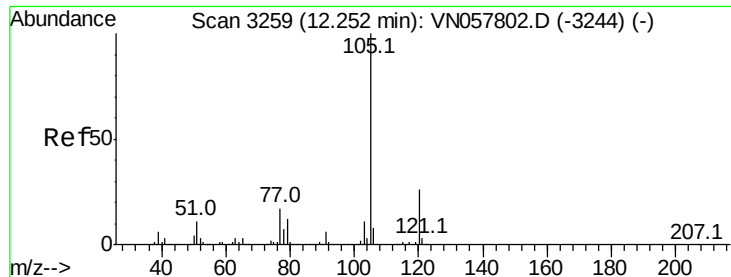
115 60.4 30.3 91.0

150 177.2 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: 49.963 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

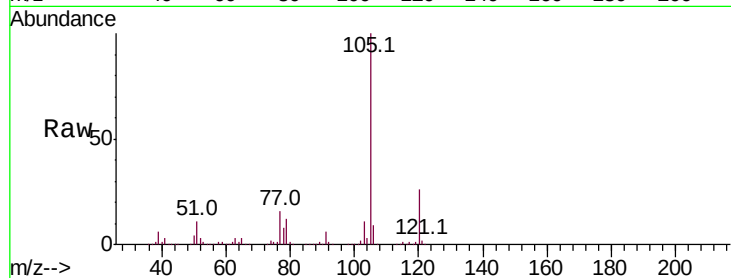
ClientSampleId :

Tot Ion:105 Resp: 1153449

Ion Ratio Lower Upper

105 100

120 25.6 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

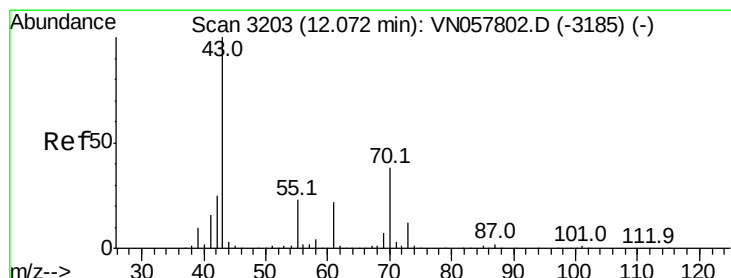
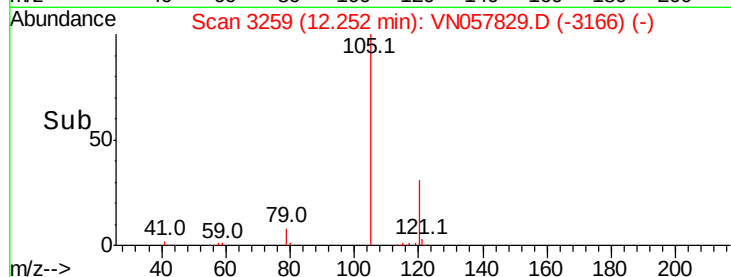
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 48.500 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Tgt Ion: 43 Resp: 487287

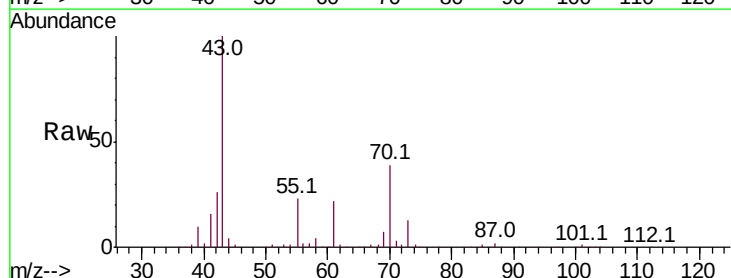
Ion Ratio Lower Upper

43 100

70 39.4 30.6 45.8

55 23.2 18.6 27.8

61 22.4 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

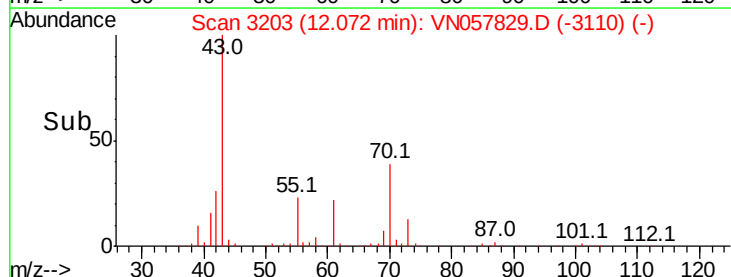
200000

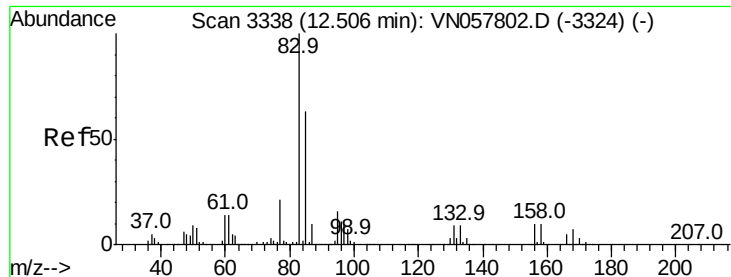
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 46.289 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampleId :

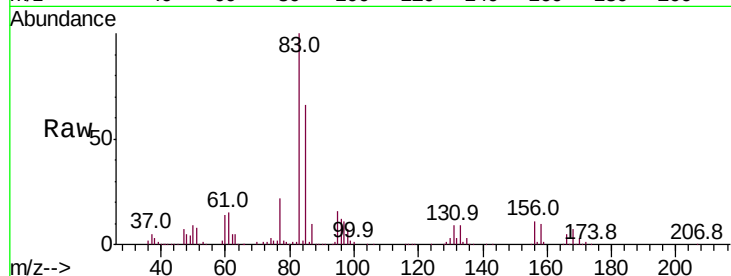
Tot Ion: 83 Resp: 359811

Ion Ratio Lower Upper

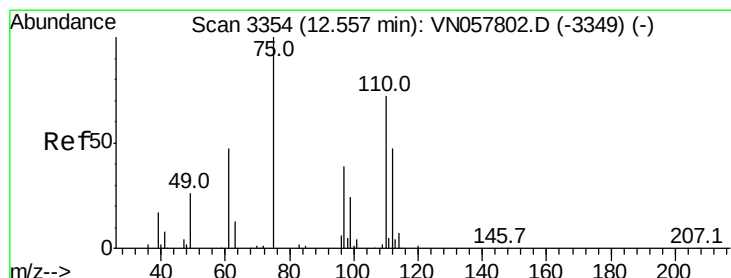
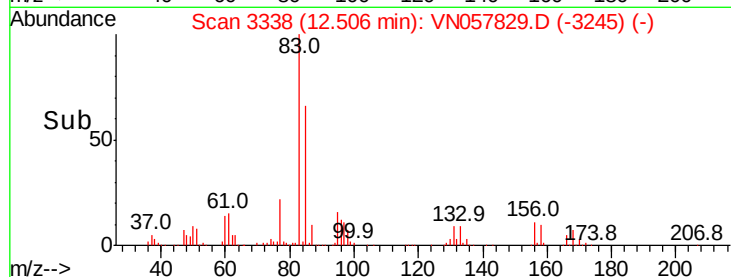
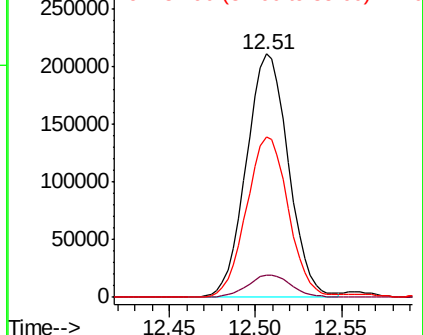
83 100

131 9.6 4.8 14.3

85 65.4 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 63.635 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057829.D

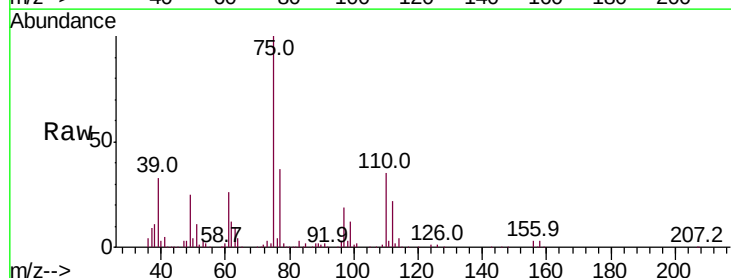
Acq: 10 Sep 2019 2:28

Tgt Ion: 75 Resp: 428285

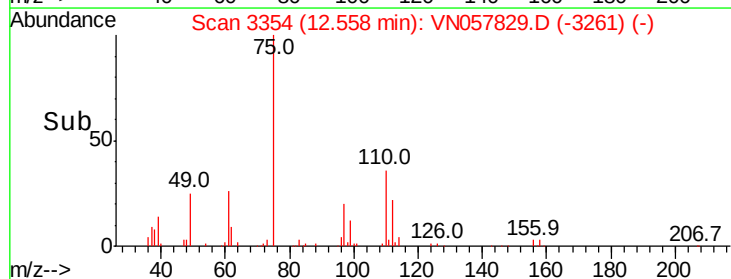
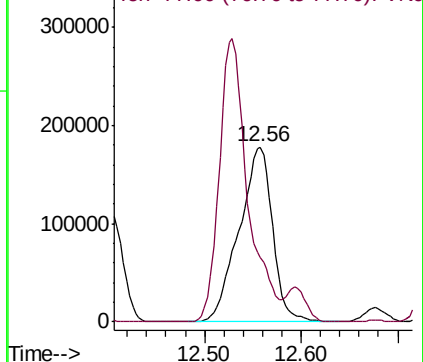
Ion Ratio Lower Upper

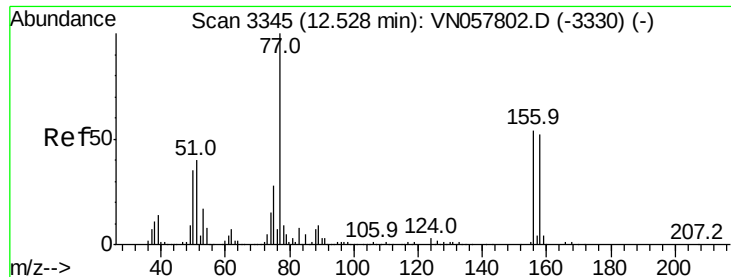
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.173 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampleId :

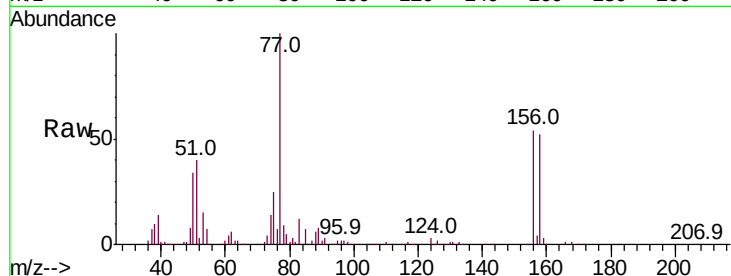
Tot Ion:156 Resp: 265769

Ion Ratio Lower Upper

156 100

77 223.3 113.7 341.1

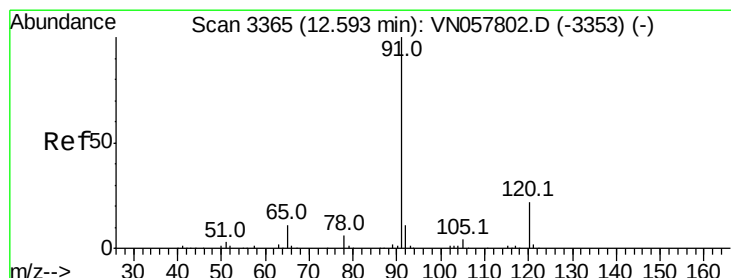
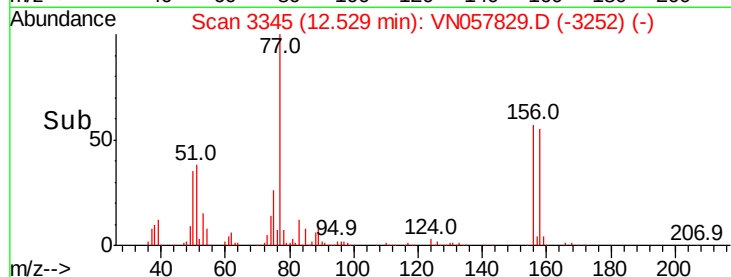
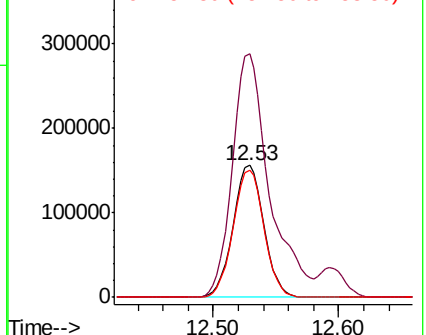
158 96.6 48.5 145.6



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: 50.990 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057829.D

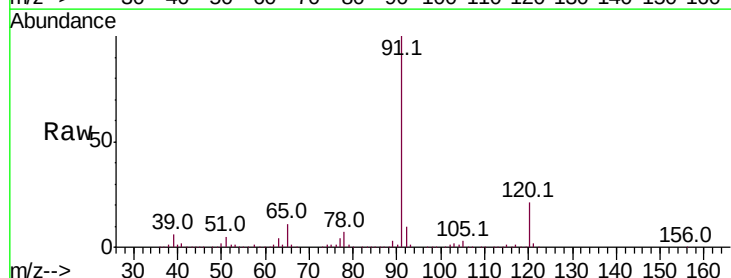
Acq: 10 Sep 2019 2:28

Tgt Ion: 91 Resp: 1351751

Ion Ratio Lower Upper

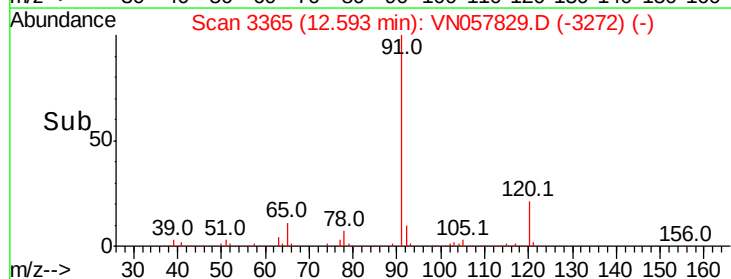
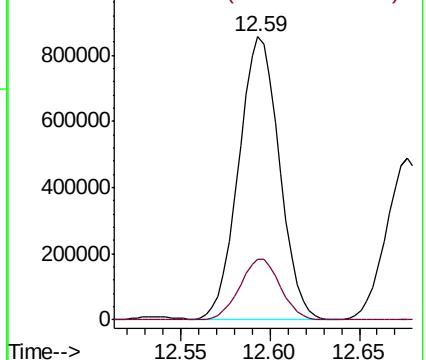
91 100

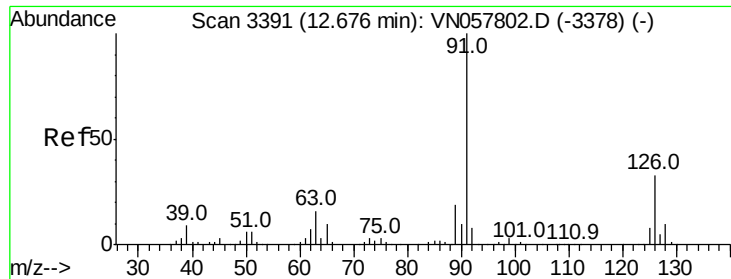
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

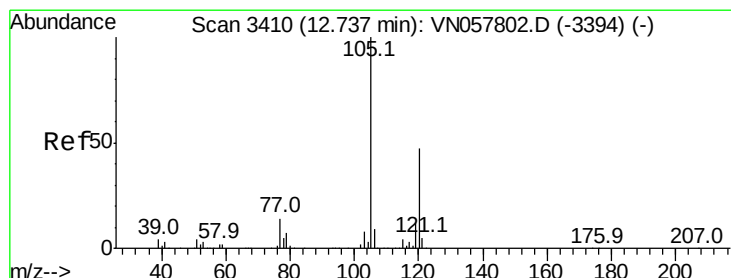
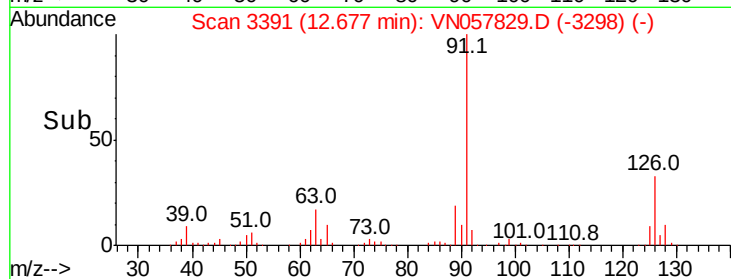
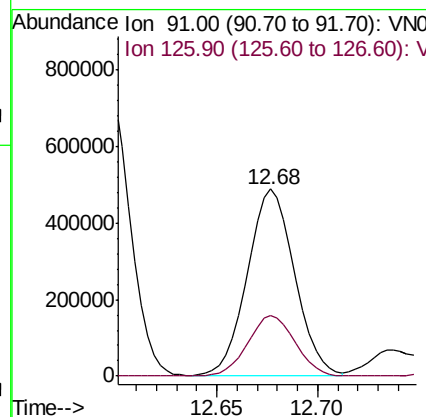
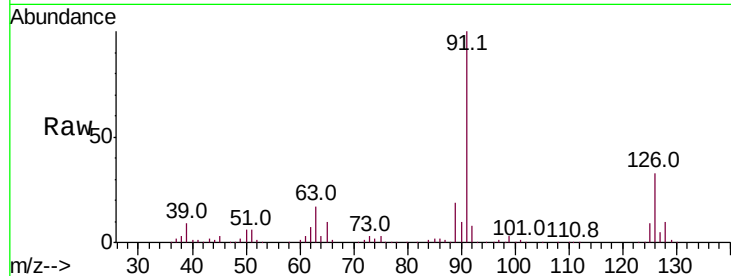




#79
2-Chlorotoluene
Concen: 47.646 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

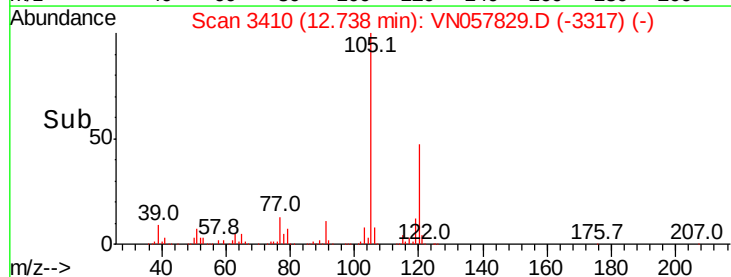
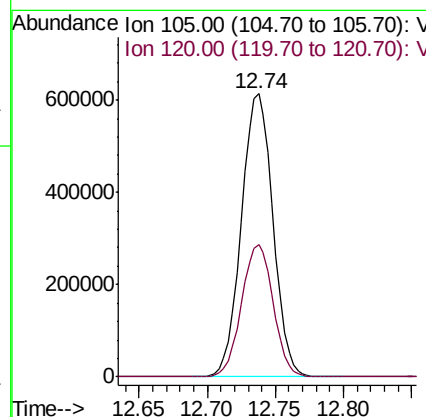
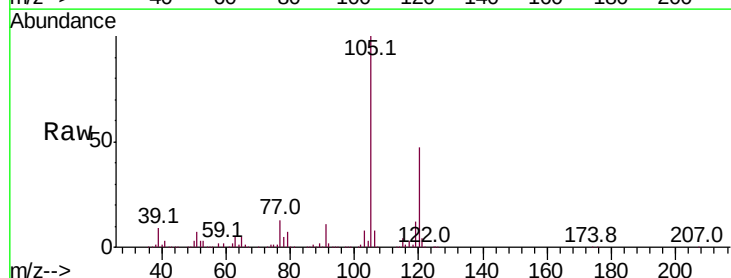
Instrument :
MSVOA_N
ClientSampled :

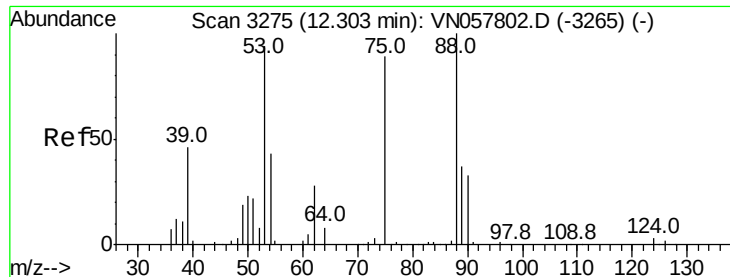
Tot Ion: 91 Resp: 798325
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.2



#80
1,3,5-Trimethylbenzene
Concen: 50.439 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN057829.D
Acq: 10 Sep 2019 2:28

Tgt Ion:105 Resp: 983877
Ion Ratio Lower Upper
105 100
120 46.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 43.803 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampled :

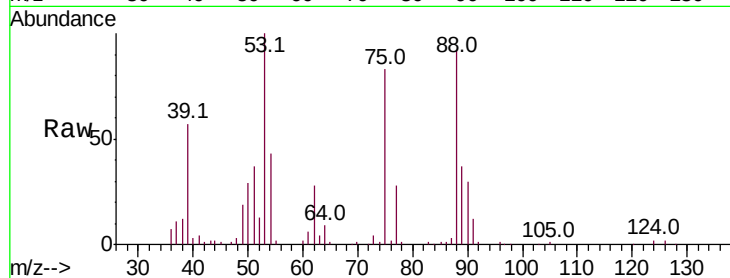
Tot Ion: 75 Resp: 83775

Ion Ratio Lower Upper

75 100

53 117.0 88.4 132.6

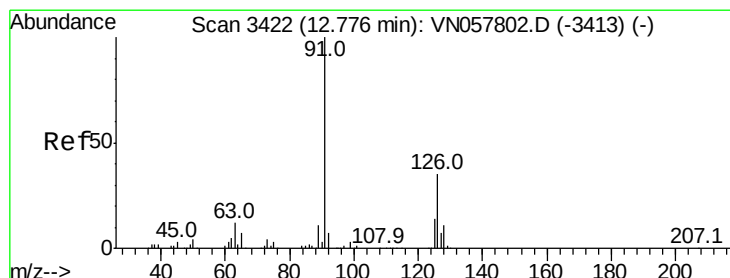
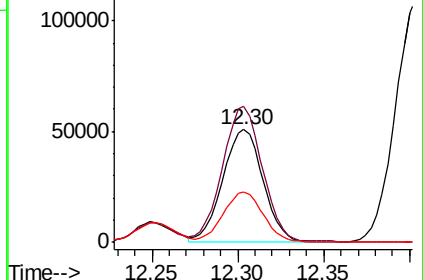
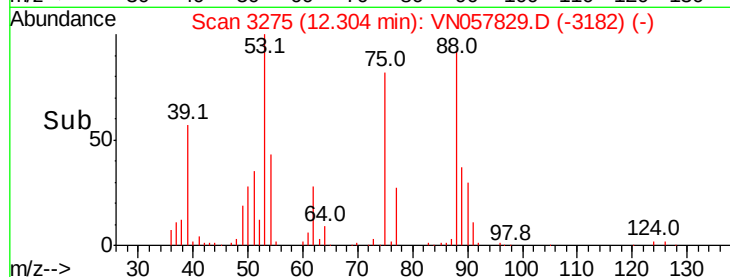
89 44.0 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.792 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057829.D

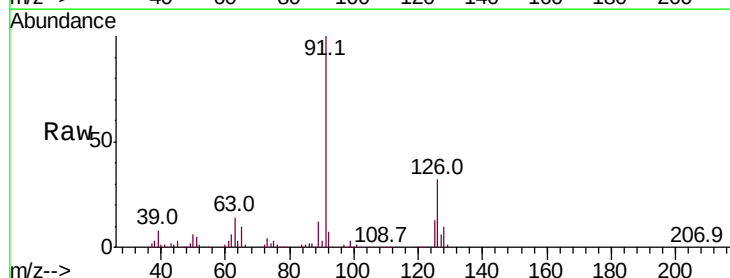
Acq: 10 Sep 2019 2:28

Tgt Ion: 91 Resp: 839527

Ion Ratio Lower Upper

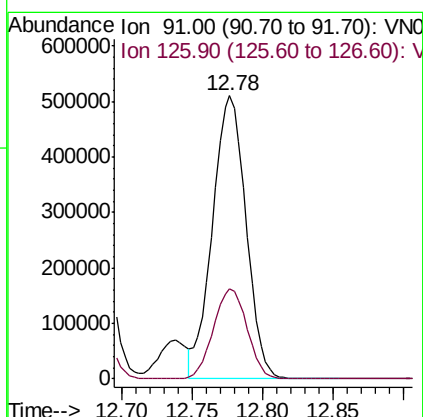
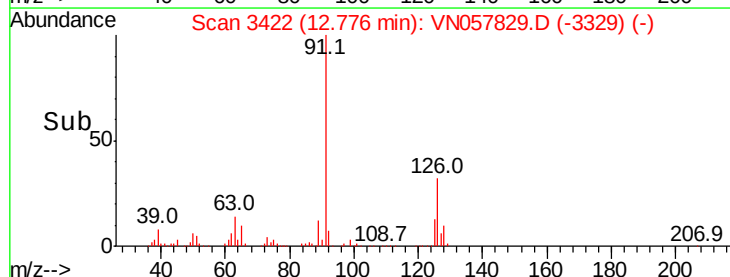
91 100

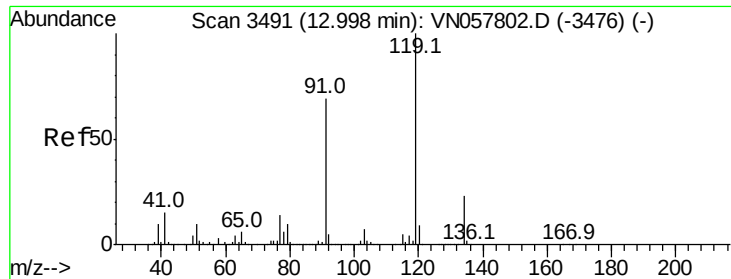
126 32.0 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.508 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampleId :

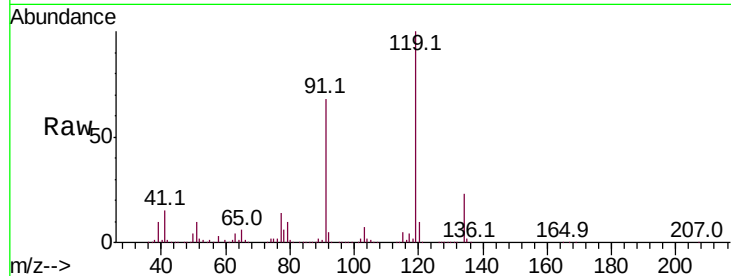
Tot Ion:119 Resp: 858449

Ion Ratio Lower Upper

119 100

91 67.7 33.6 100.8

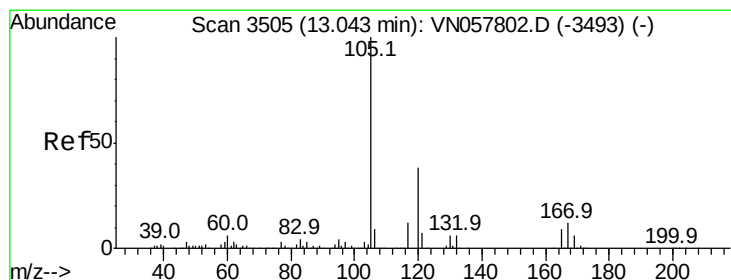
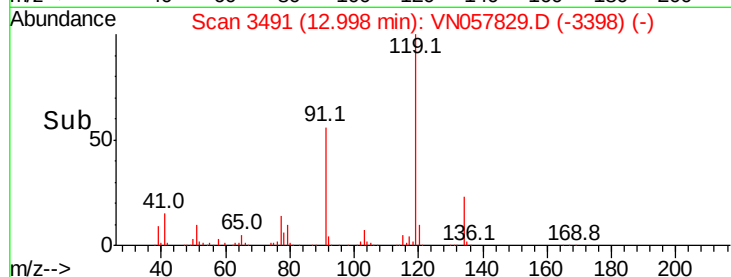
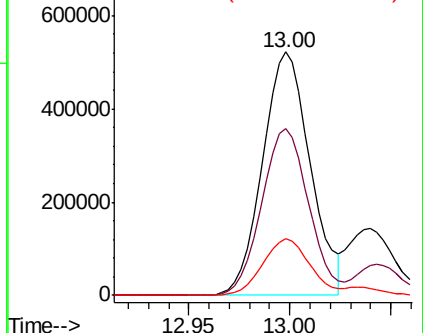
134 23.2 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.189 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057829.D

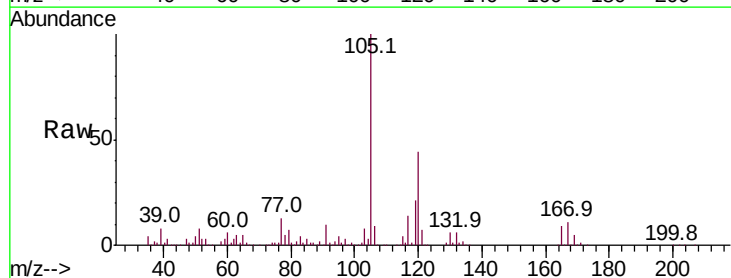
Acq: 10 Sep 2019 2:28

Tgt Ion:105 Resp: 995009

Ion Ratio Lower Upper

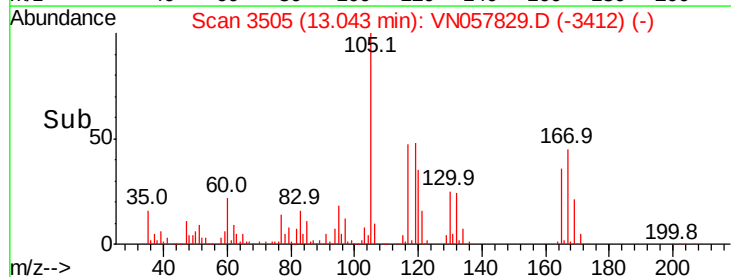
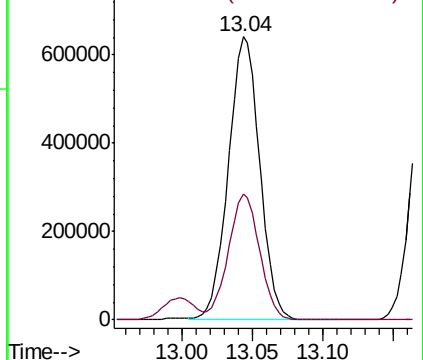
105 100

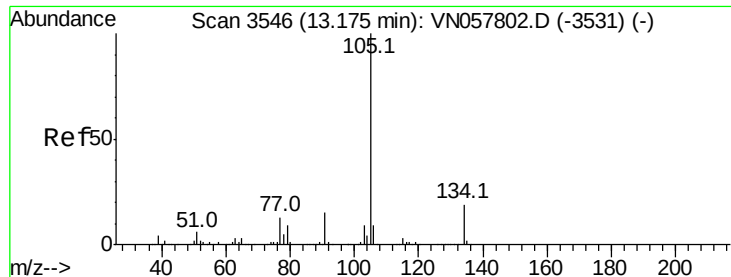
120 44.7 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.701 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

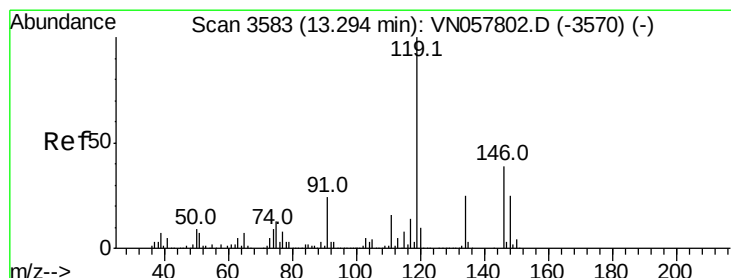
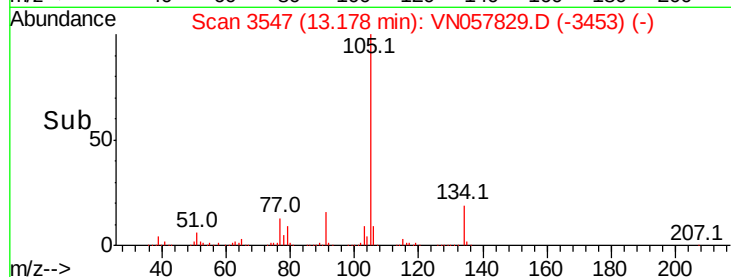
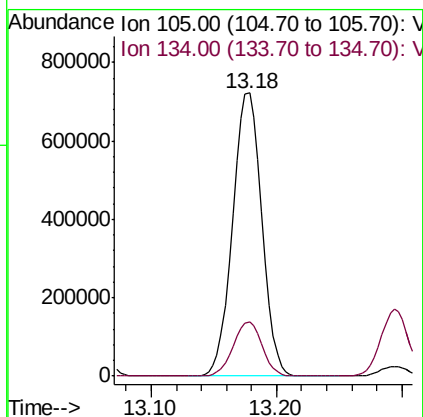
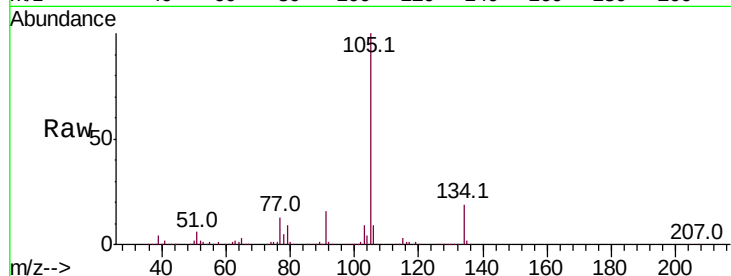
ClientSampleId :

Tot Ion:105 Resp: 1165225

Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.6



#86

p-Isopropyltoluene

Concen: 51.607 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

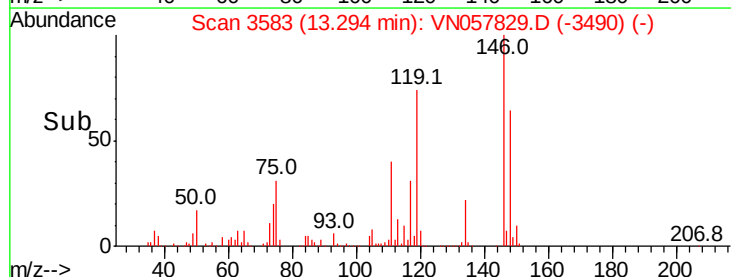
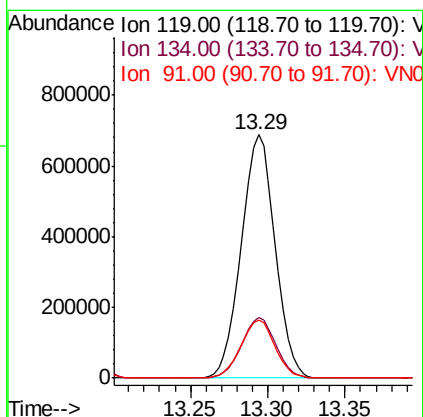
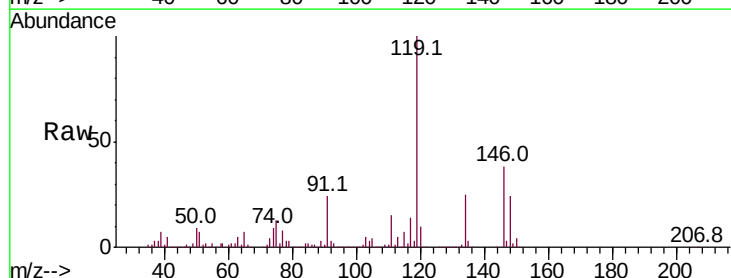
Tgt Ion:119 Resp: 1045028

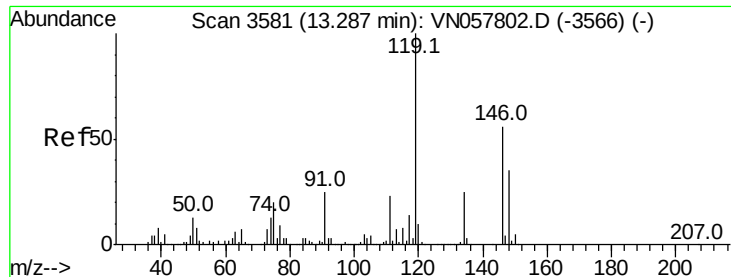
Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

91 24.1 12.3 36.8

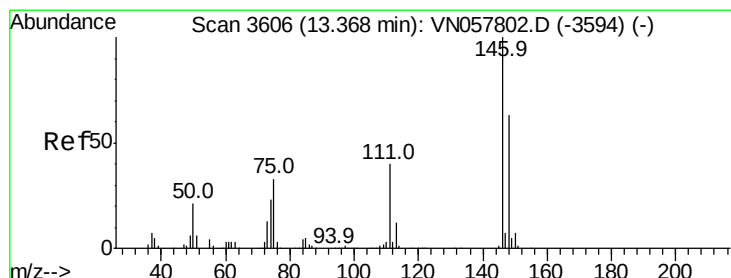
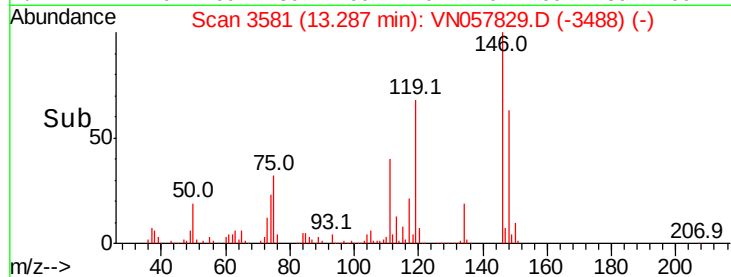
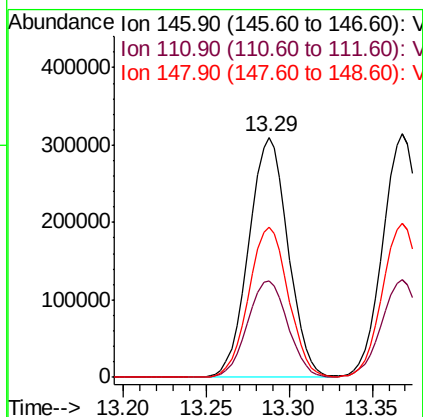
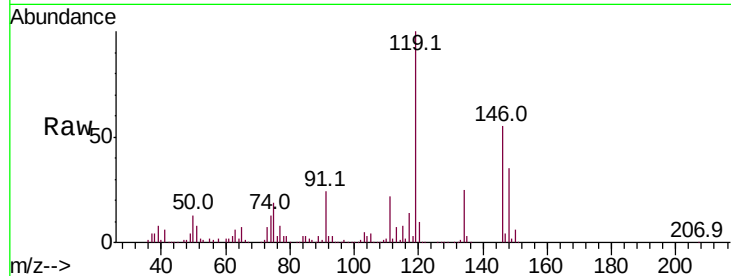




#87
 1,3-Dichlorobenzene
 Concen: 48.305 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

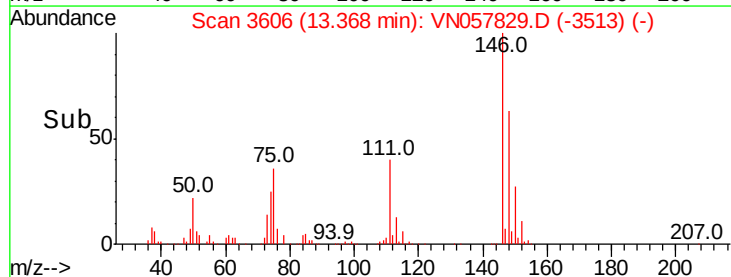
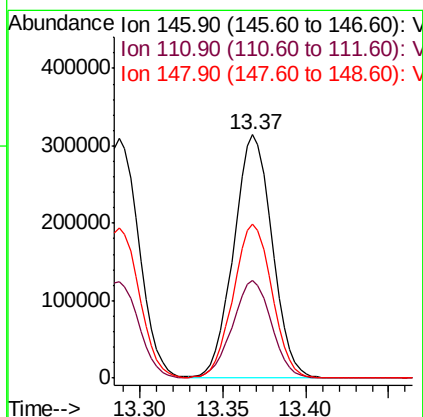
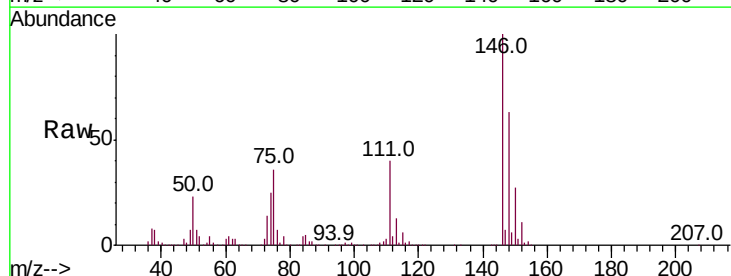
Instrument :
 MSVOA_N
 ClientSampled :

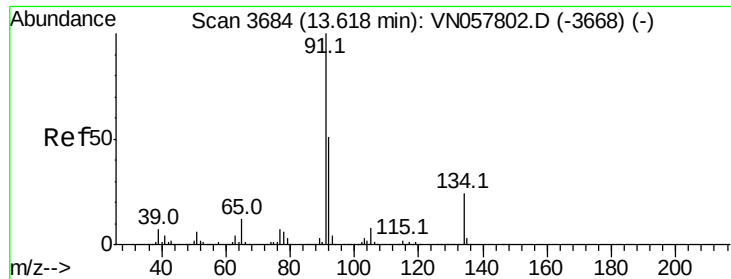
Tot Ion:146 Resp: 510341
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.5 61.6
 148 63.2 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 47.255 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Tgt Ion:146 Resp: 506761
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.4 61.2
 148 63.6 31.8 95.4





#89

n-Butylbenzene

Concen: 49.799 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampleId :

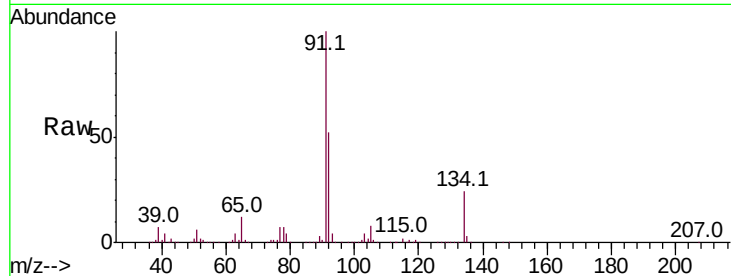
Tot Ion: 91 Resp: 952307

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.7	77.0
134	23.9	11.9	35.7

91 100

92 51.9 25.7 77.0

134 23.9 11.9 35.7

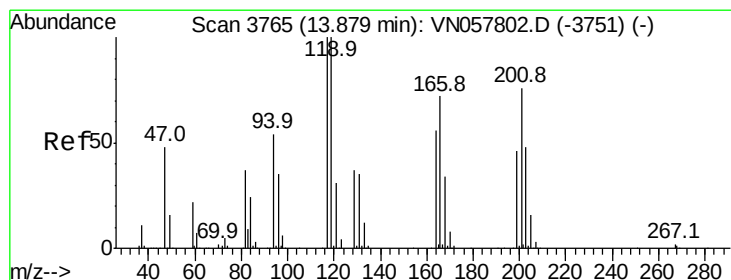
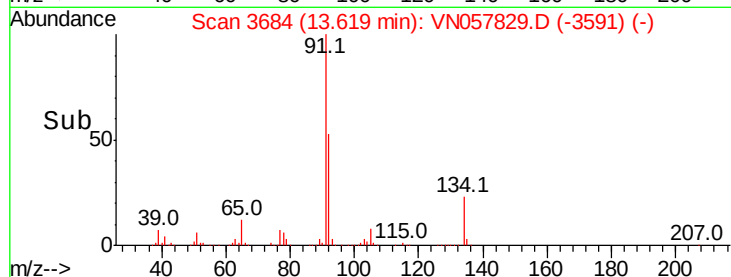
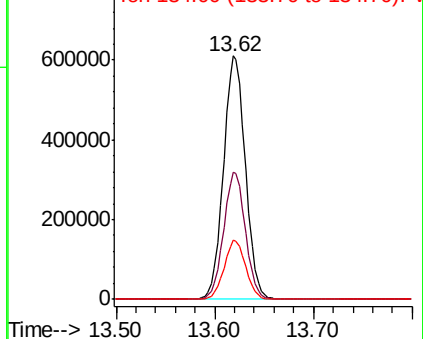


Abundance

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: 51.661 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057829.D

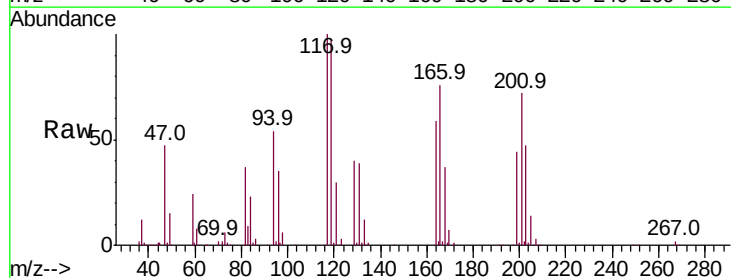
Acq: 10 Sep 2019 2:28

Tgt Ion: 117 Resp: 155580

Ion	Ratio	Lower	Upper
117	100		
201	72.7	37.5	112.7

117 100

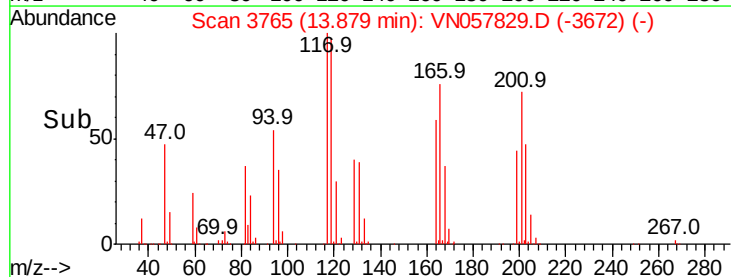
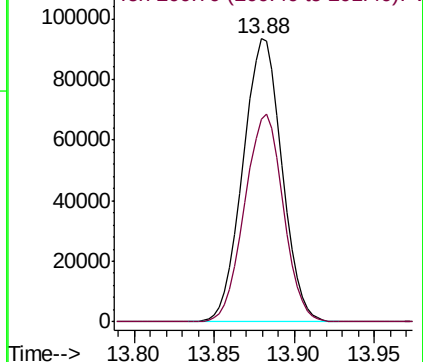
201 72.7 37.5 112.7

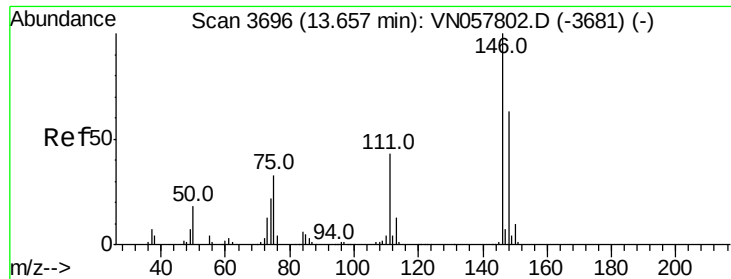


Abundance

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

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

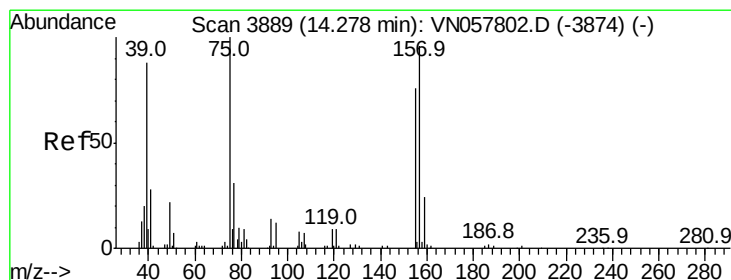
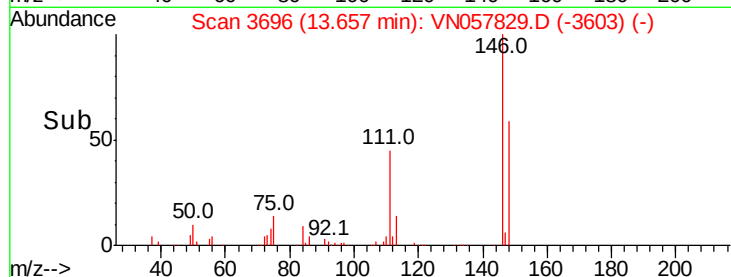
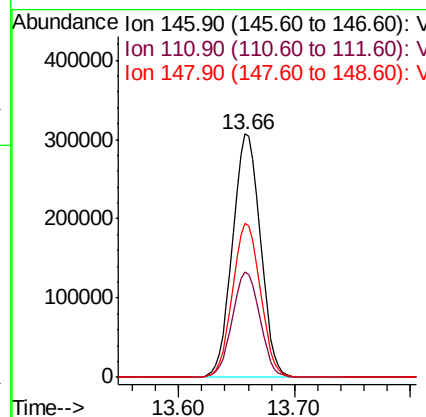
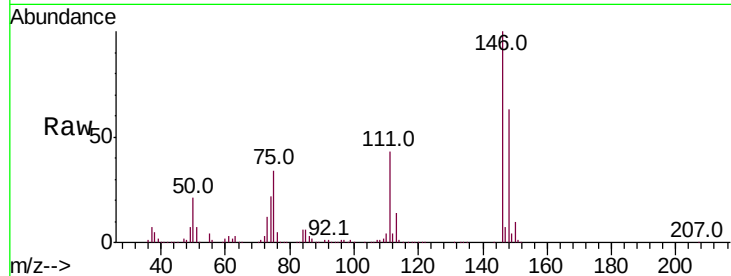




#91
 1,2-Dichlorobenzene
 Concen: 48.354 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

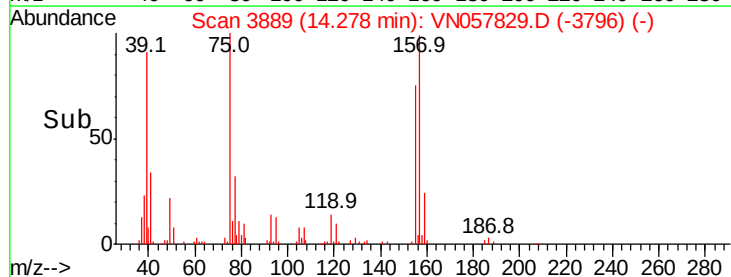
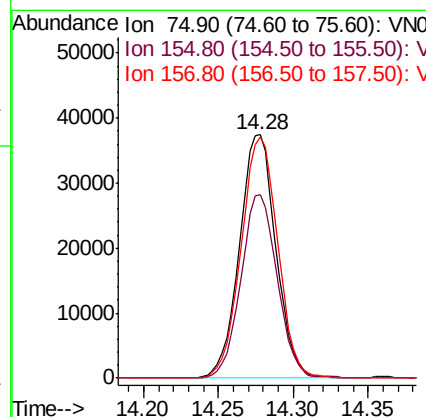
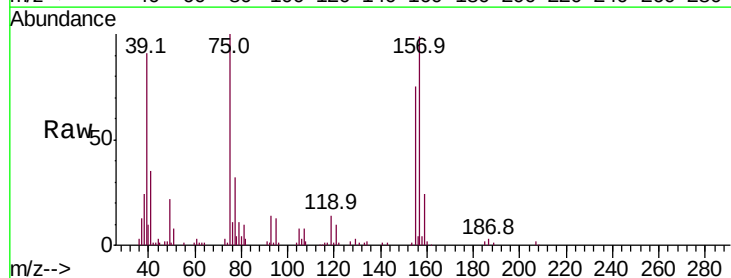
Instrument :
 MSVOA_N
 ClientSampleId :

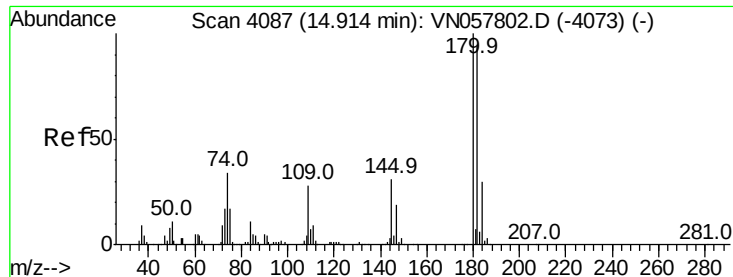
Tot Ion:146 Resp: 510371
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.3 63.9
 148 63.0 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.353 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Tgt Ion: 75 Resp: 63354
 Ion Ratio Lower Upper
 75 100
 155 75.0 37.3 111.8
 157 99.6 47.9 143.8

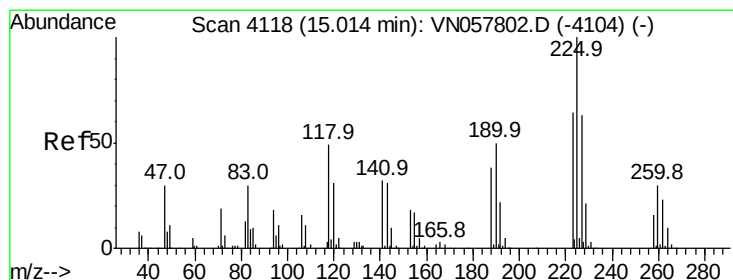
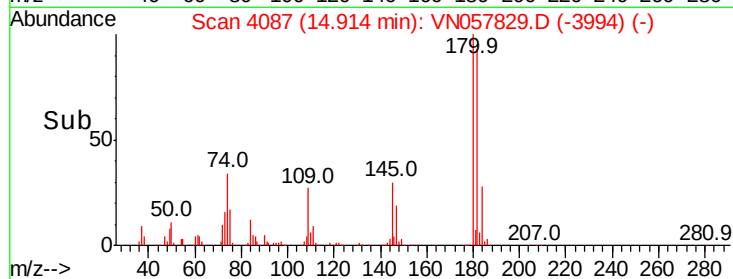
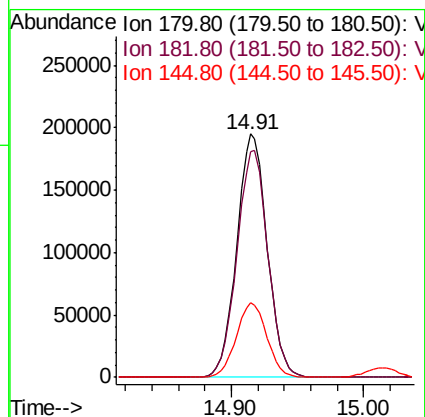
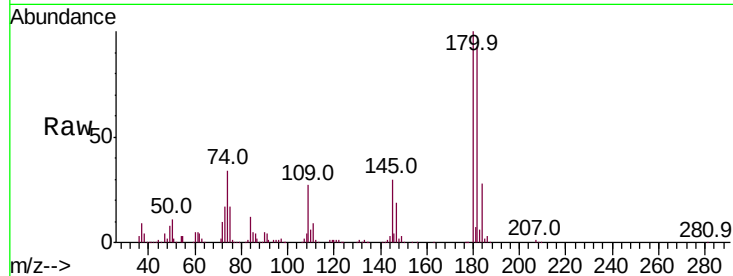




#93
 1,2,4-Trichlorobenzene
 Concen: 44.876 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

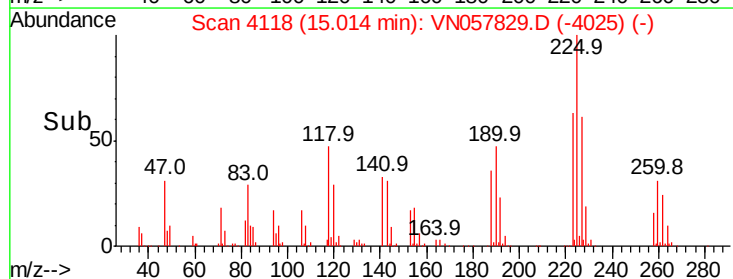
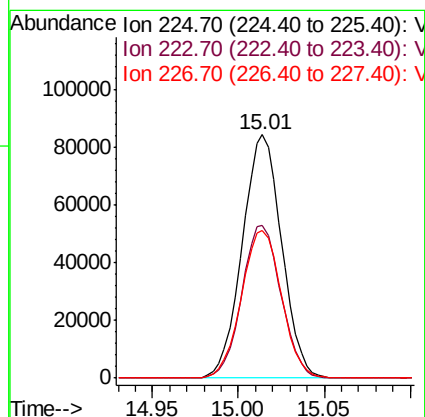
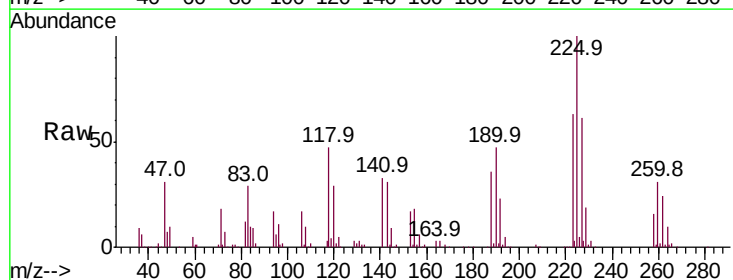
Instrument :
 MSVOA_N
 ClientSampled :

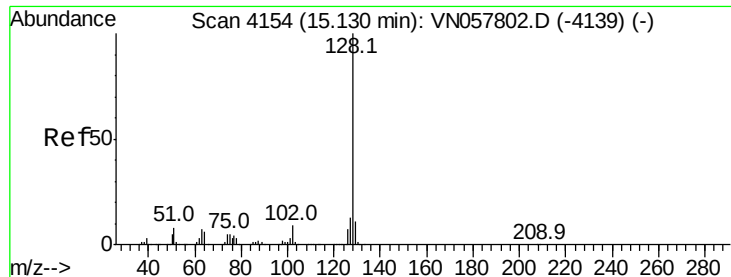
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.8
145	30.7	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 45.990 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057829.D
 Acq: 10 Sep 2019 2:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.4	97.2
227	61.7	31.8	95.4





#95

Naphthalene

Concen: 51.308 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

Instrument :

MSVOA_N

ClientSampleId :

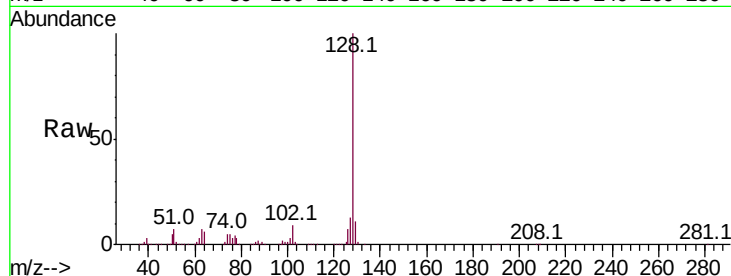
Tot Ion:128 Resp: 892896

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

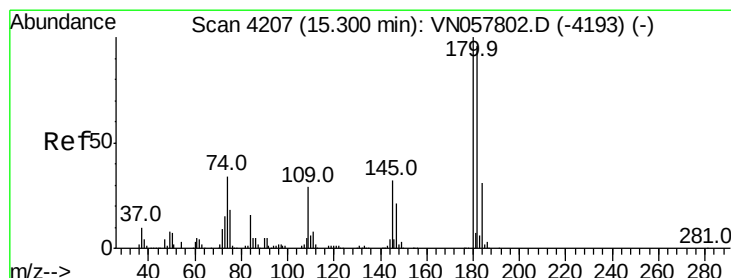
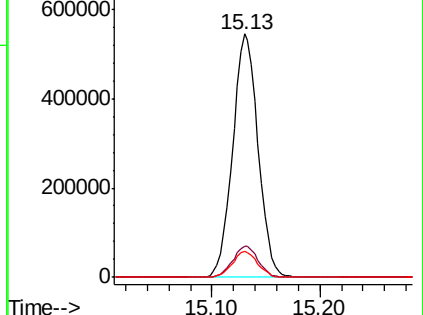
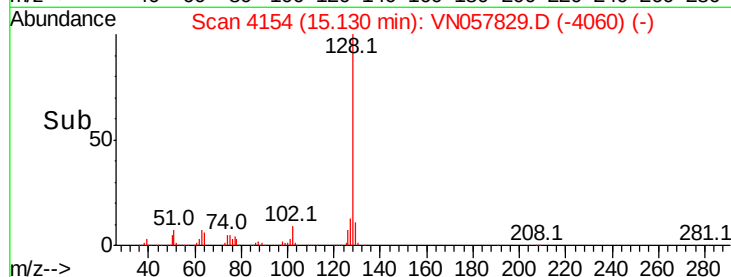
129 10.6 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 48.151 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057829.D

Acq: 10 Sep 2019 2:28

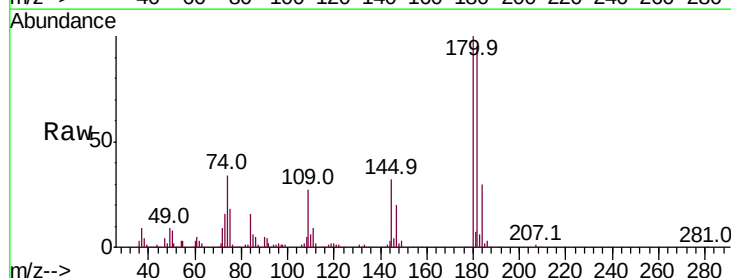
Tgt Ion:180 Resp: 289775

Ion Ratio Lower Upper

180 100

182 95.6 48.3 144.8

145 32.9 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

