

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052499.D
 Acq On : 28 Nov 2018 1:12
 Operator : MD\SY
 Sample : VN1127WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Quant Time: Nov 28 06:19:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	174411	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1012127	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	870463	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	349254	29.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.97%
60) 4-Bromofluorobenzene	12.40	95	392468	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	1214292	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	188277	18.954	ug/l 100
3) Chloromethane	2.06	50	250535	19.018	ug/l 99
4) Vinyl Chloride	2.19	62	257268	19.349	ug/l 98
5) Bromomethane	2.58	94	147830	19.499	ug/l 99
6) Chloroethane	2.71	64	155707	19.692	ug/l 100
7) Trichlorofluoromethane	3.02	101	316441	19.284	ug/l 100
8) Diethyl Ether	3.41	74	118021	19.478	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	193565	18.608	ug/l 97
10) 1,1-Dichloroethene	3.74	96	190388	19.466	ug/l 97
11) Methyl Iodide	3.96	142	263486	19.403	ug/l 99
12) Methyl Acetate	4.33	43	158126	19.028	ug/l 96
13) Acrolein	3.61	56	90645	92.858	ug/l 100
14) Acrylonitrile	4.99	53	344049	97.166	ug/l 99
15) Acetone	3.82	58	74211	80.928	ug/l 98
16) Carbon Disulfide	4.06	76	555443	17.938	ug/l 100
17) Allyl chloride	4.33	41	293690	17.218	ug/l 97
18) Methylene Chloride	4.56	84	219105	19.348	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	204461	19.425	ug/l 95
20) Diisopropyl ether	5.95	45	684762	19.103	ug/l 98
21) 1,1-Dichloroethane	5.85	63	393653	19.268	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	234206	19.415	ug/l 97
23) tert-Butyl Alcohol	4.78	59	57198	108.590	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	517512	20.169	ug/l 99
25) Chloroform	7.37	83	394682	20.025	ug/l 100
26) Cyclohexane	7.65	56	361717	18.772	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	293937	19.017	ug/l 100
30) 2-Butanone	6.83	43	374112	90.456	ug/l 97
31) 2,2-Dichloropropane	6.83	77	236148	16.596	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	311360	19.360	ug/l 98
33) Carbon Tetrachloride	7.77	117	268680	19.093	ug/l 99
34) Benzene	8.04	78	901447	19.398	ug/l 99
35) Methacrylonitrile	7.17	41	92151	17.959	ug/l 97
36) 1,2-Dichloroethane	8.12	62	270681	19.222	ug/l 99
37) Trichloroethene	8.84	130	230371	19.550	ug/l 97
38) Methylcyclohexane	9.08	83	352092	18.402	ug/l 98
39) 1,2-Dichloropropane	9.12	63	237131	19.037	ug/l 97
40) Dibromomethane	9.21	93	134476	19.977	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052499.D
 Acq On : 28 Nov 2018 1:12
 Operator : MD\SY
 Sample : VN1127WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Quant Time: Nov 28 06:19:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	285168	19.175	ug/l	98
42) Vinyl Acetate	5.90	43	2111552	94.361	ug/l	98
43) Ethyl Acetate	6.93	43	183267	20.839	ug/l #	72
44) Isopropyl Acetate	8.16	43	316765	20.538	ug/l	98
45) 1,4-Dioxane	9.20	88	35709	423.205	ug/l	94
46) Methyl methacrylate	9.20	41	157788	19.703	ug/l	98
47) n-amyl Acetate	12.07	43	241333	18.871	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	264427	18.337	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	322222	18.340	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	190788	19.995	ug/l	99
51) Ethyl methacrylate	10.43	69	236892	19.767	ug/l	96
52) 1,3-Dichloropropane	10.71	76	332808	19.595	ug/l	98
53) Dibromochloromethane	10.90	129	202503	19.277	ug/l	97
54) 1,2-Dibromoethane	11.01	107	185185	19.861	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	702245	100.108	ug/l	99
56) Bromoform	12.13	173	132456	19.290	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	878343	104.082	ug/l	99
59) 2-Hexanone	10.75	43	561716	97.440	ug/l	98
61) Tetrachloroethene	10.63	164	226035	21.084	ug/l	95
62) Toluene	10.16	91	969520	20.204	ug/l	100
64) Chlorobenzene	11.44	112	581089	19.840	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	201436	19.814	ug/l	99
66) Ethyl Benzene	11.51	91	1022217	19.765	ug/l	98
67) m/p-Xylenes	11.62	106	777255	40.340	ug/l	99
68) o-Xylene	11.95	106	382094	20.431	ug/l	98
69) Styrene	11.97	104	591872	19.608	ug/l	99
70) Isopropylbenzene	12.25	105	1001629	20.130	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	225090	20.796	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	268458	28.893	ug/l	49
73) Bromobenzene	12.53	156	242421	20.144	ug/l	97
74) n-propylbenzene	12.59	91	1125596	19.415	ug/l	99
75) 2-Chlorotoluene	12.68	91	677198	20.124	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	806797	20.074	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	51722	17.621	ug/l	93
78) 4-Chlorotoluene	12.77	91	652948	19.430	ug/l	100
79) tert-butylbenzene	12.99	119	712015	20.343	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	807016	20.068	ug/l	100
81) sec-Butylbenzene	13.17	105	955906	19.608	ug/l	100
82) p-Isopropyltoluene	13.29	119	811936	19.559	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	412855	19.506	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	397689	19.448	ug/l	99
85) n-Butylbenzene	13.62	91	640091	17.951	ug/l	99
86) Hexachloroethane	13.88	117	130578	18.564	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	401920	19.955	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30651	20.216	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	180548	18.194	ug/l	99
90) Hexachlorobutadiene	15.01	225	125410	19.265	ug/l	99
91) Naphthalene	15.14	128	374132	18.670	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	172781	18.894	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
Data File : VN052499.D
Acq On : 28 Nov 2018 1:12
Operator : MD\SY
Sample : VN1127WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Quant Time: Nov 28 06:19:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

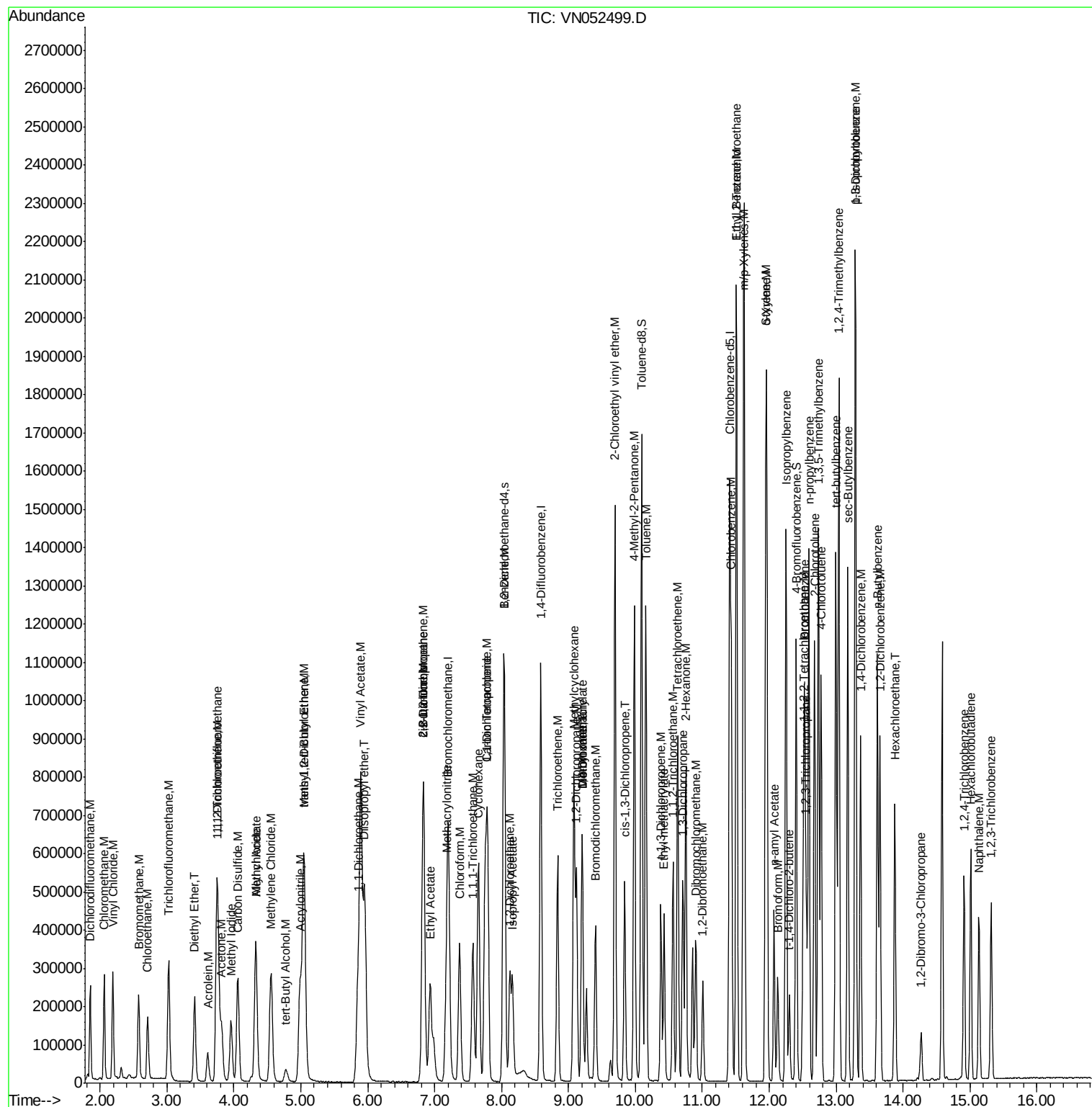
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

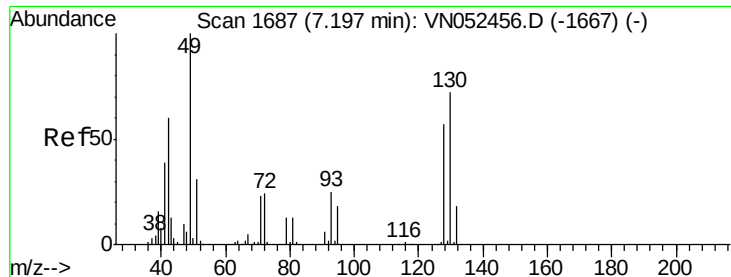
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112718\
Data File : VN052499.D
Acq On : 28 Nov 2018 1:12
Operator : MD\SY
Sample : VN1127WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 28

Instrument :
MSVOA_N
Client Sample Id :
VN1127WBSD02

Quant Time: Nov 28 02:59:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

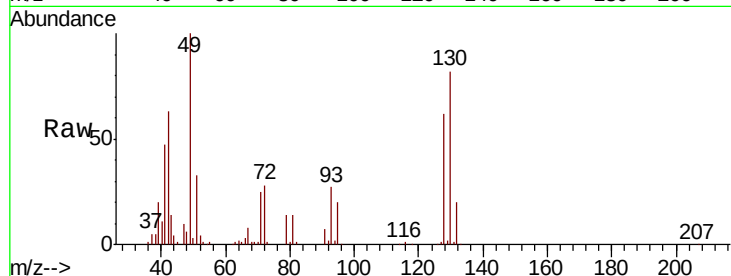
Tot Ion:128 Resp: 174411

Ion Ratio Lower Upper

128 100

49 161.2 0.0 431.8

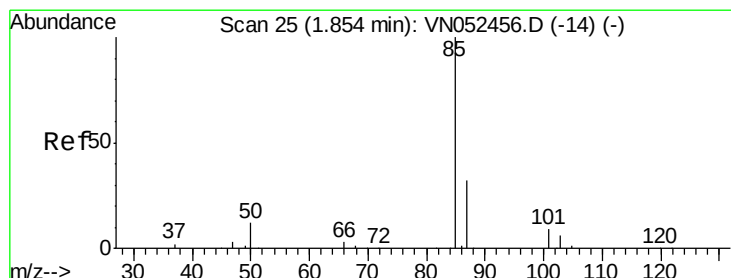
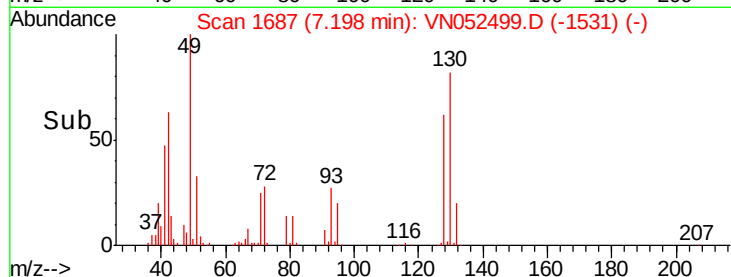
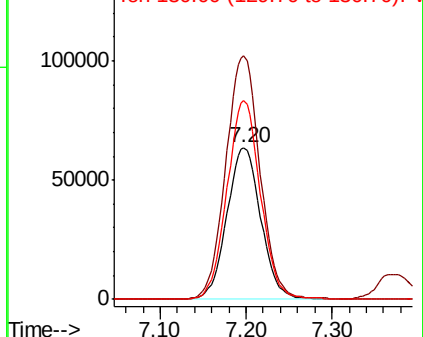
130 129.1 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.954 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052499.D

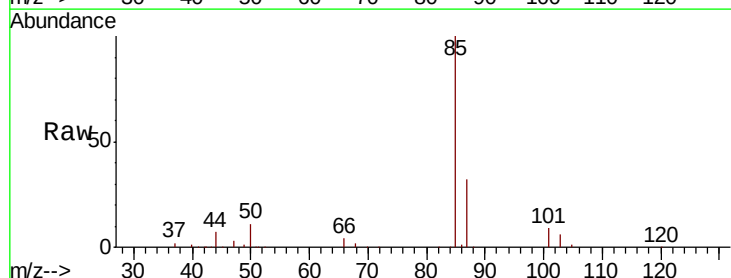
Acq: 28 Nov 2018 1:12

Tgt Ion: 85 Resp: 188277

Ion Ratio Lower Upper

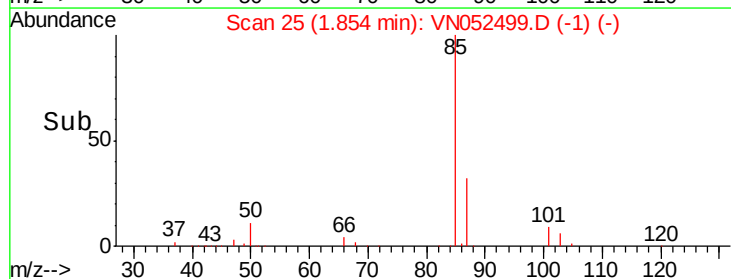
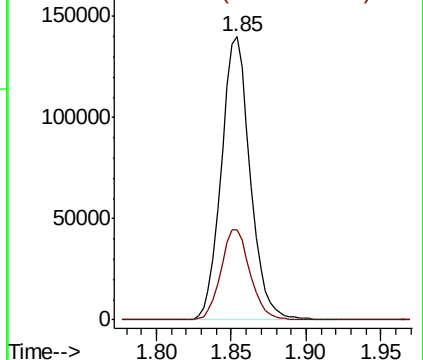
85 100

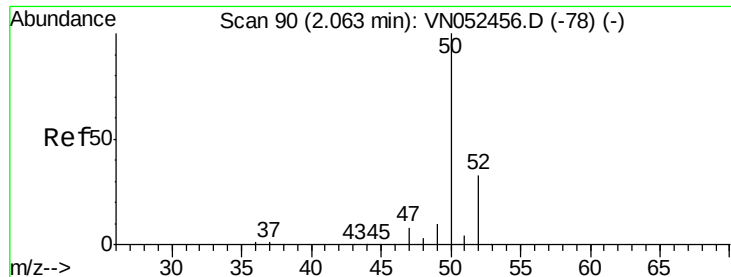
87 32.1 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.018 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

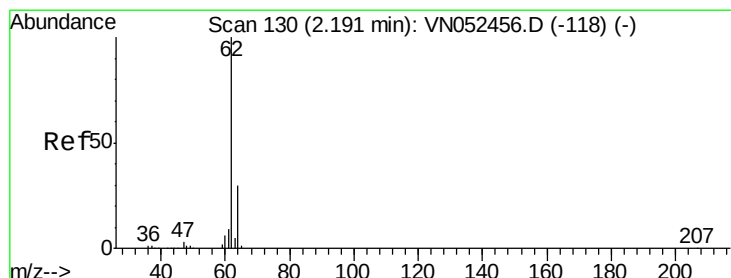
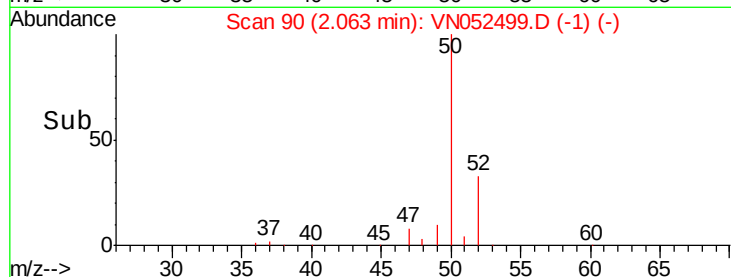
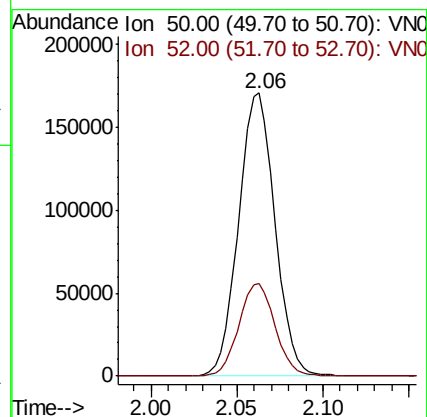
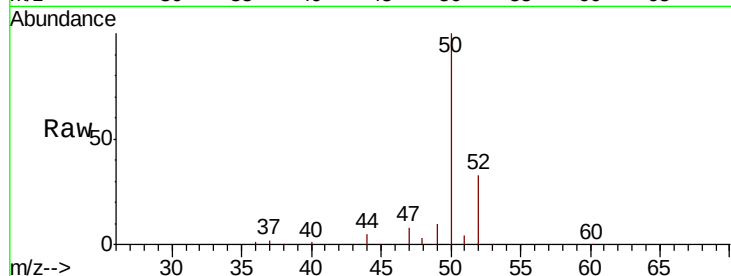
VN1127WBSD02

Tot Ion: 50 Resp: 250535

Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7



#4

Vinyl Chloride

Concen: 19.349 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052499.D

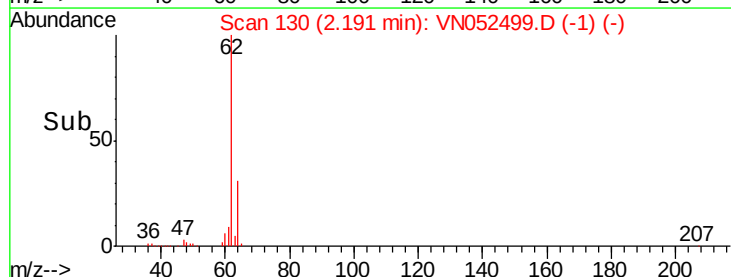
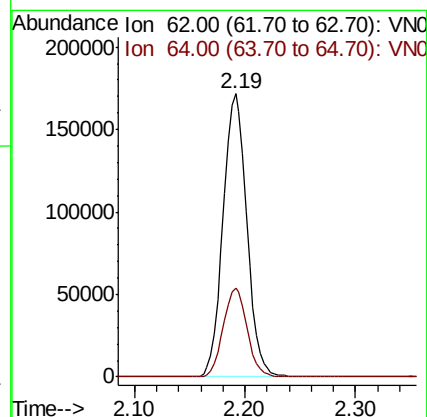
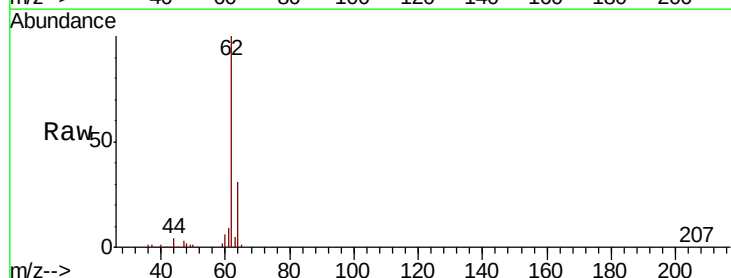
Acq: 28 Nov 2018 1:12

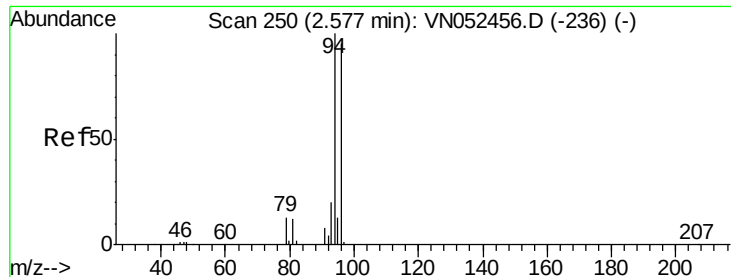
Tgt Ion: 62 Resp: 257268

Ion Ratio Lower Upper

62 100

64 31.5 24.2 36.4





#5

Bromomethane

Concen: 19.499 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

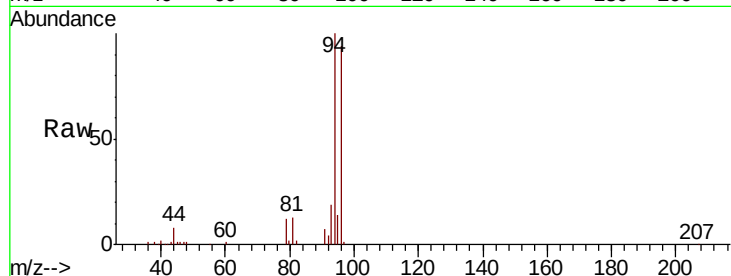
VN1127WBSD02

Tot Ion: 94 Resp: 147830

Ion Ratio Lower Upper

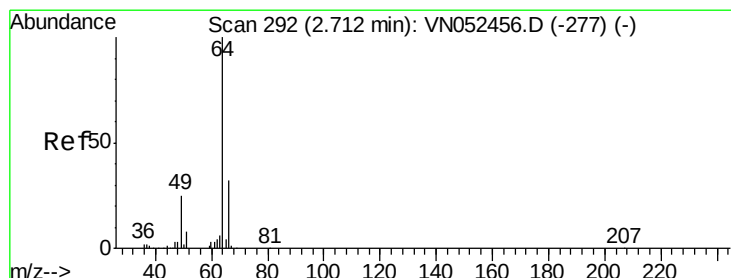
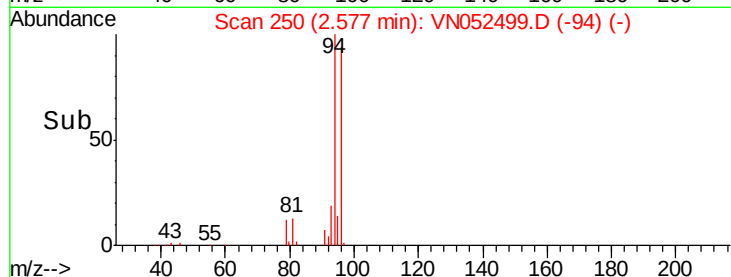
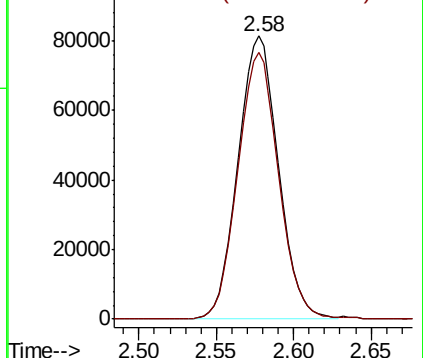
94 100

96 94.1 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.692 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052499.D

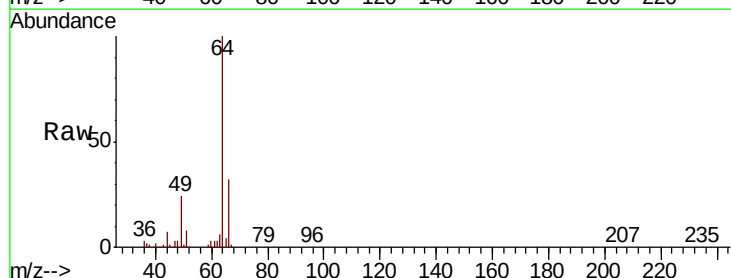
Acq: 28 Nov 2018 1:12

Tgt Ion: 64 Resp: 155707

Ion Ratio Lower Upper

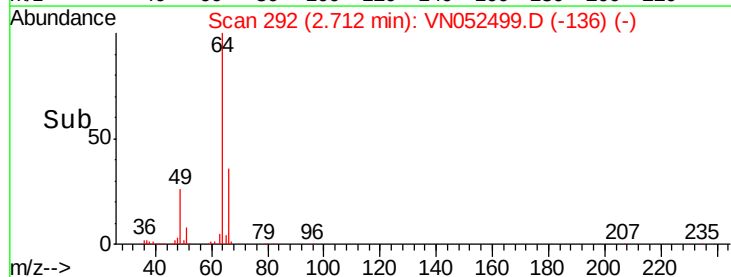
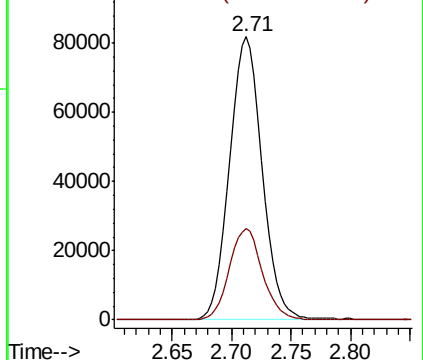
64 100

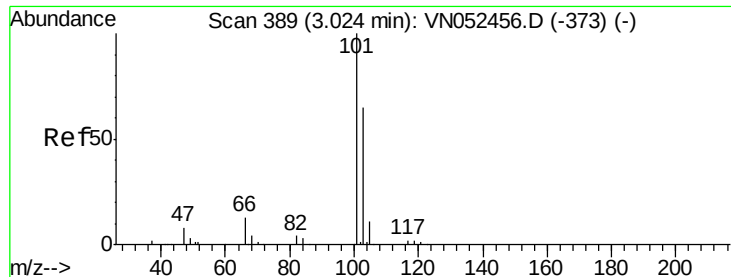
66 32.1 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



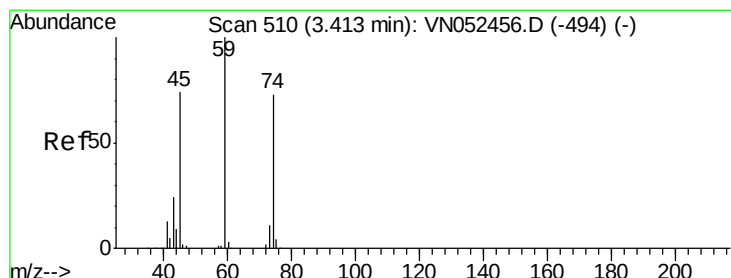
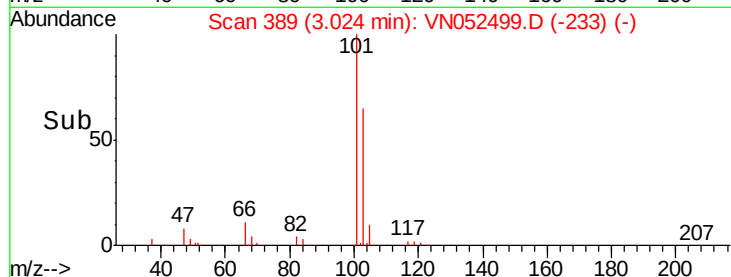
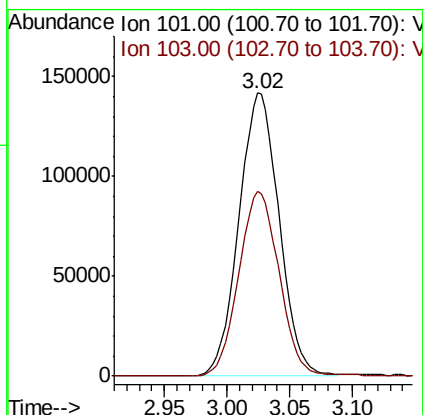
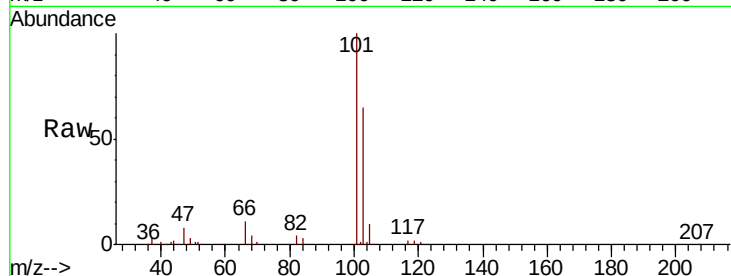


#7

Trichlorofluoromethane
 Concen: 19.284 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

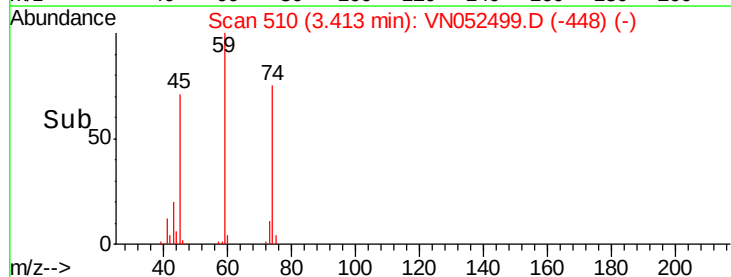
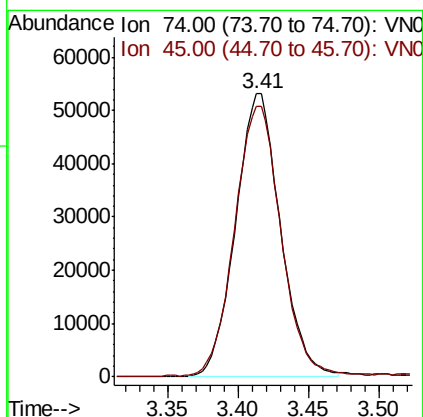
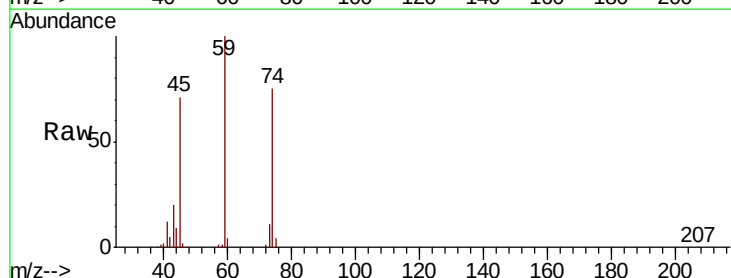
Tot Ion:101 Resp: 316441
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.1 78.1

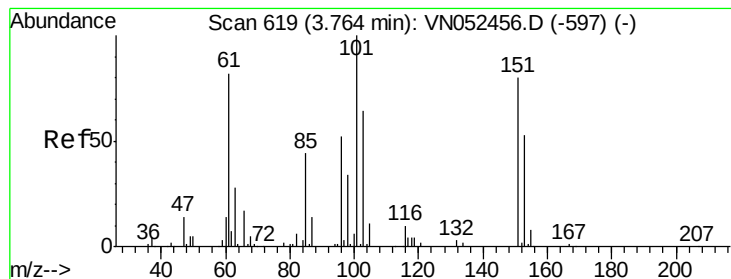


#8

Diethyl Ether
 Concen: 19.478 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion: 74 Resp: 118021
 Ion Ratio Lower Upper
 74 100
 45 98.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.608 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

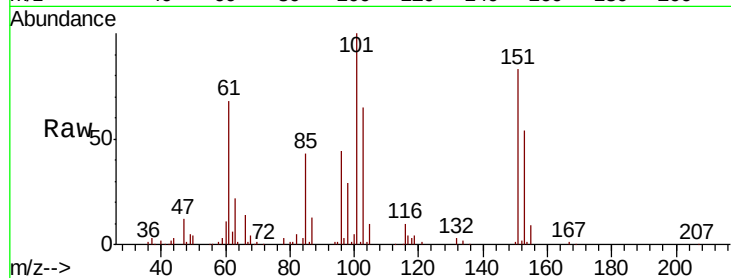
Tot Ion:101 Resp: 193565

Ion Ratio Lower Upper

101 100

85 42.5 0.0 82.6

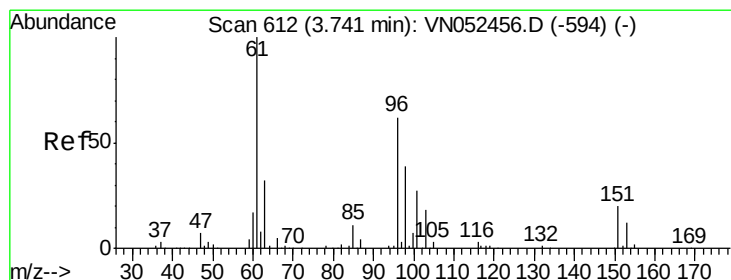
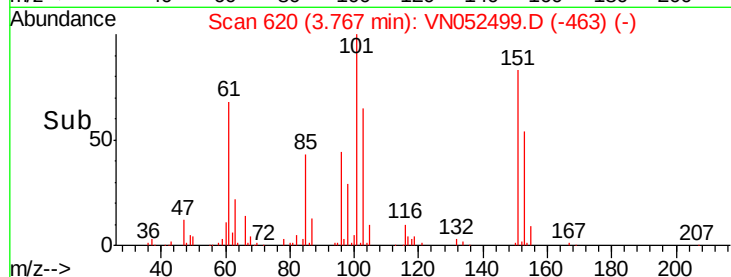
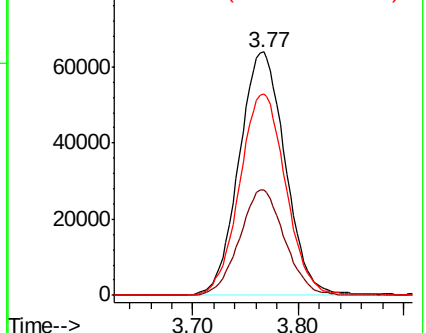
151 82.9 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.466 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

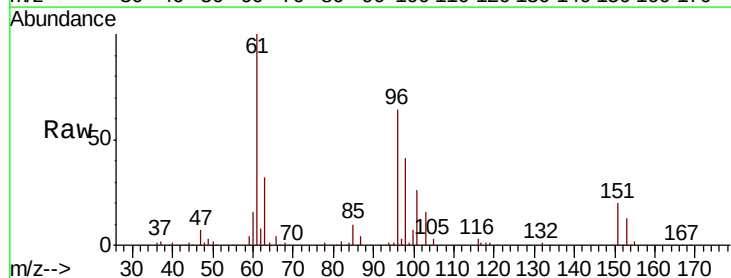
Tgt Ion: 96 Resp: 190388

Ion Ratio Lower Upper

96 100

61 156.3 129.4 194.2

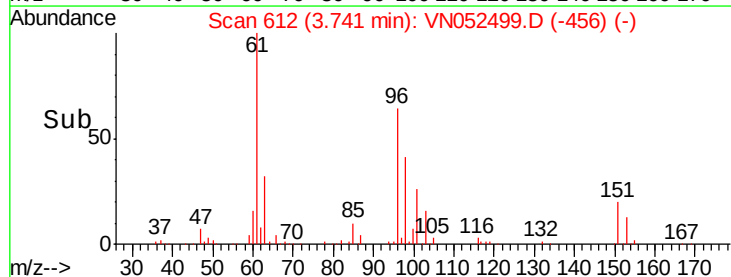
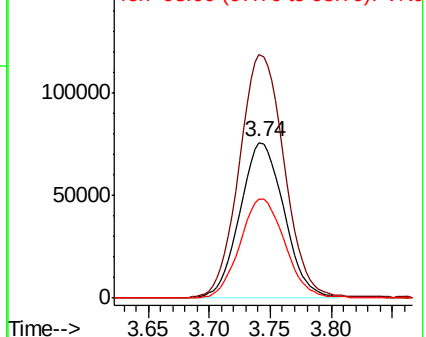
98 64.0 50.4 75.6

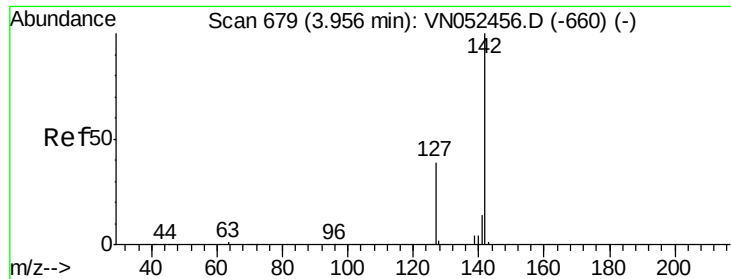


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

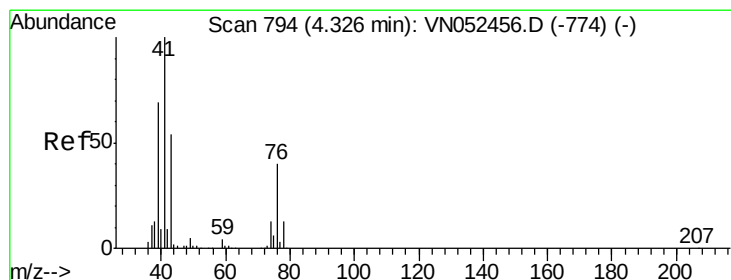
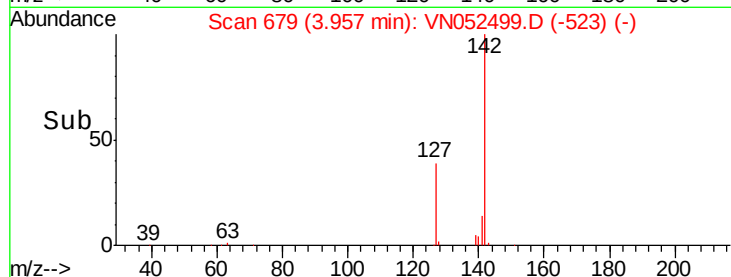
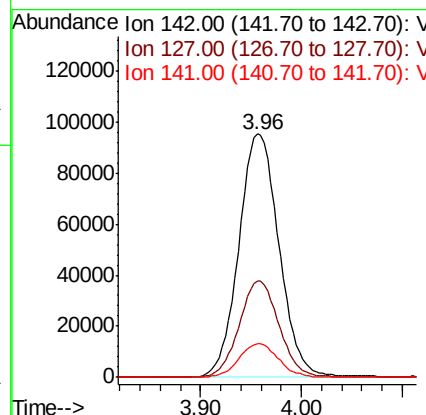
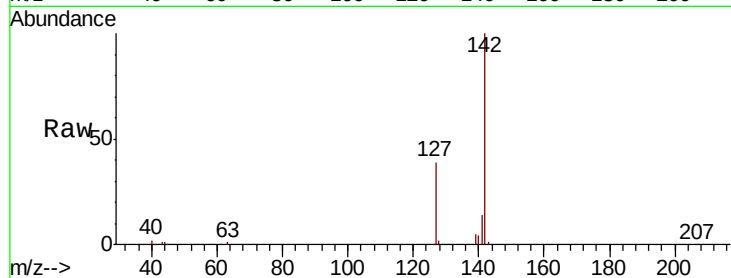




#11
Methvl Iodide
Concen: 19.403 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

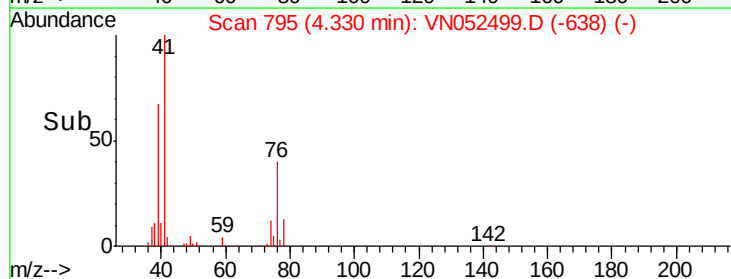
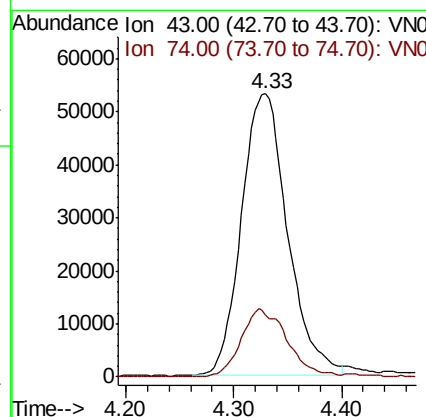
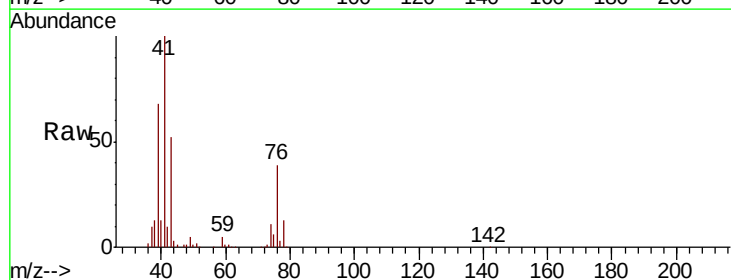
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

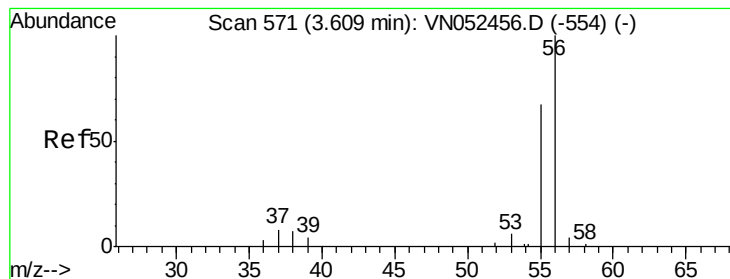
Tot Ion:142 Resp: 263486
Ion Ratio Lower Upper
142 100
127 39.5 19.4 58.1
141 13.8 7.2 21.6



#12
Methyl Acetate
Concen: 19.028 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 43 Resp: 158126
Ion Ratio Lower Upper
43 100
74 21.9 18.9 28.3





#13

Acrolein

Concen: 92.858 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

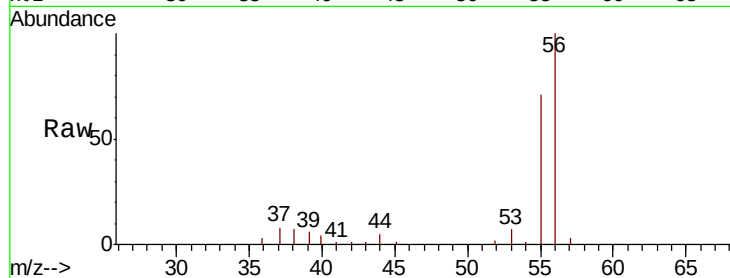
VN1127WBSD02

Tot Ion: 56 Resp: 90645

Ion Ratio Lower Upper

56 100

55 70.7 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

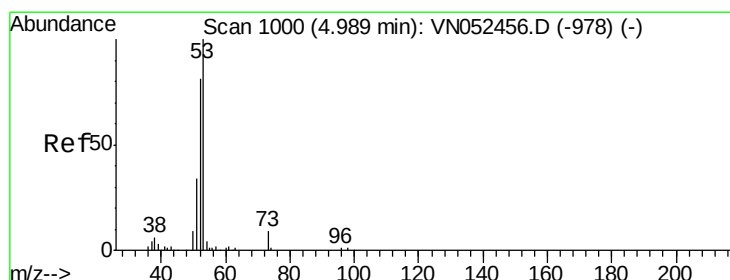
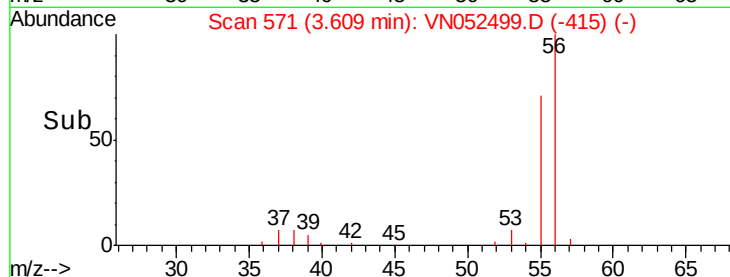
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Acrylonitrile

Concen: 97.166 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

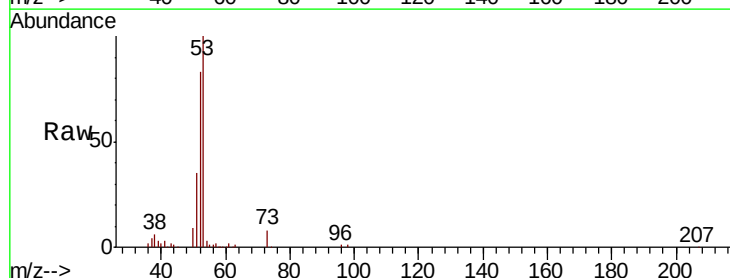
Tgt Ion: 53 Resp: 344049

Ion Ratio Lower Upper

53 100

52 81.3 39.9 119.7

51 35.4 17.6 52.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

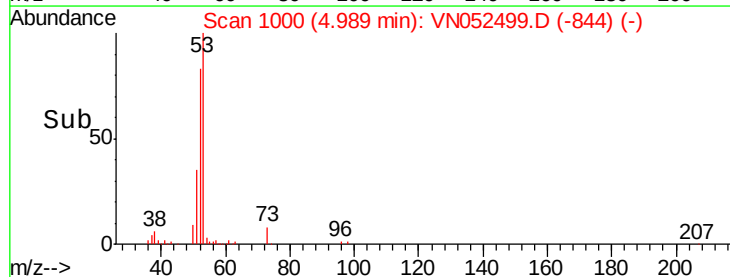
100000

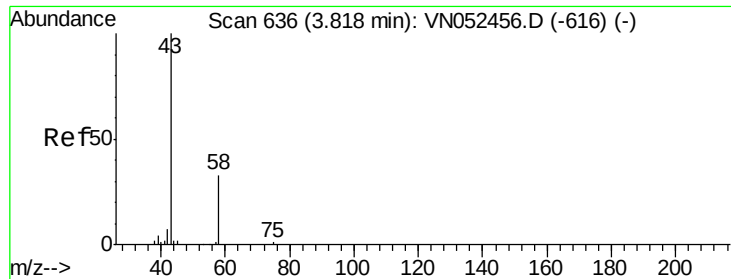
50000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 80.928 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

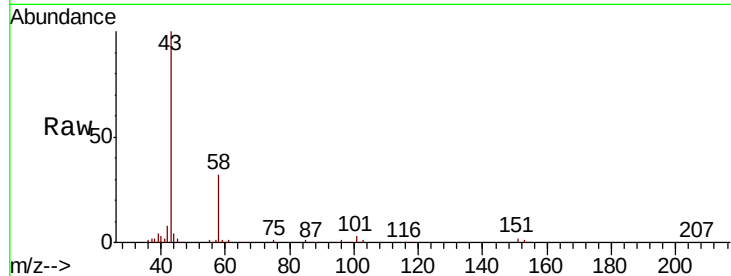
VN1127WBSD02

Tot Ion: 58 Resp: 74211

Ion Ratio Lower Upper

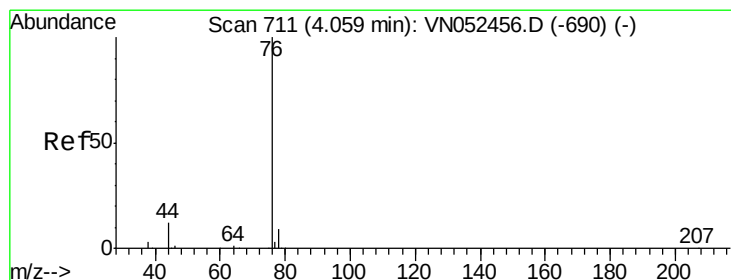
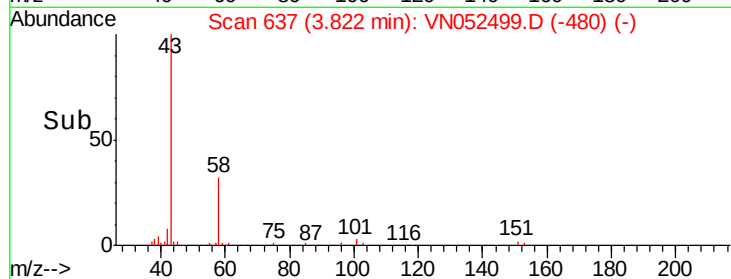
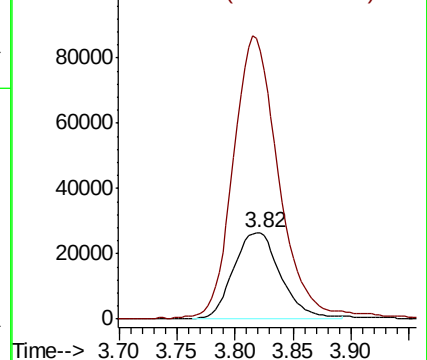
58 100

43 308.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.938 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052499.D

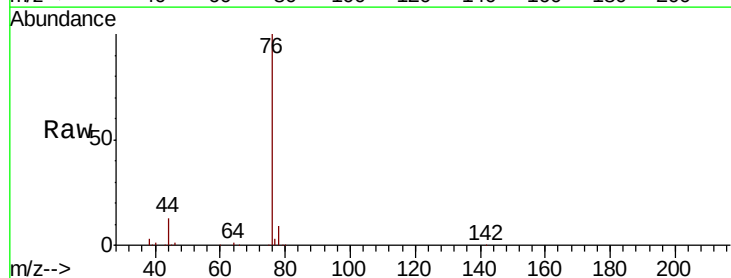
Acq: 28 Nov 2018 1:12

Tgt Ion: 76 Resp: 555443

Ion Ratio Lower Upper

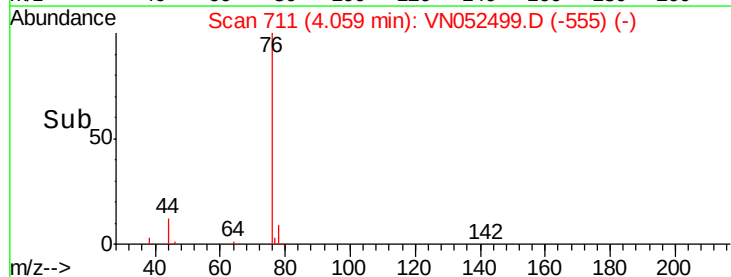
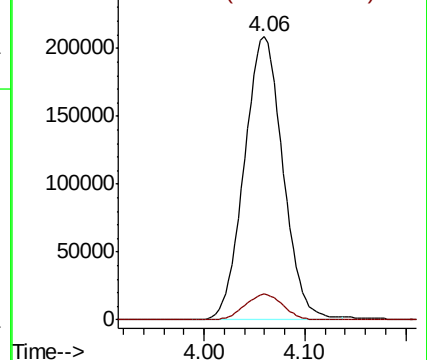
76 100

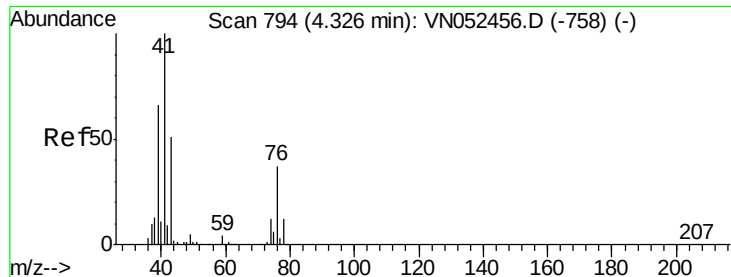
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

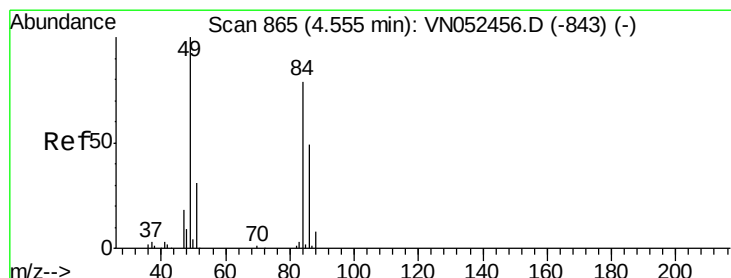
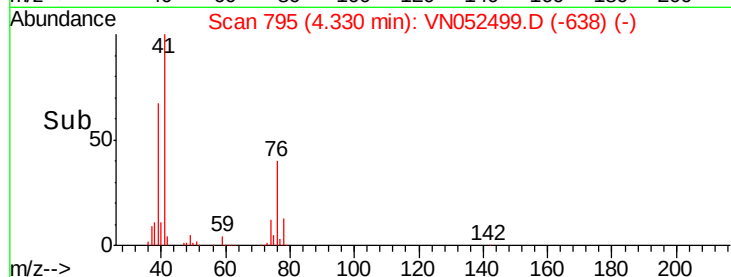
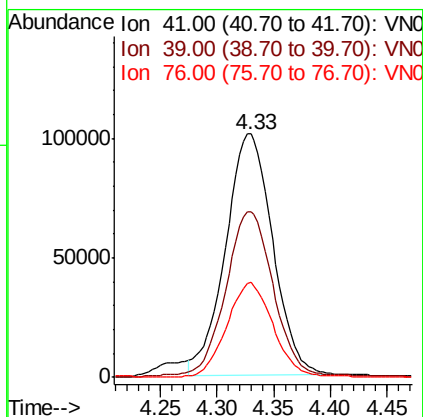
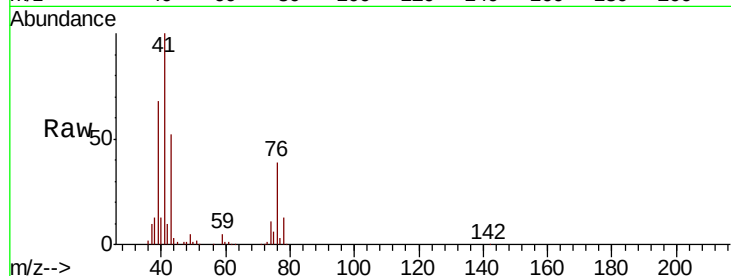




#17
Allvl chloride
Concen: 17.218 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

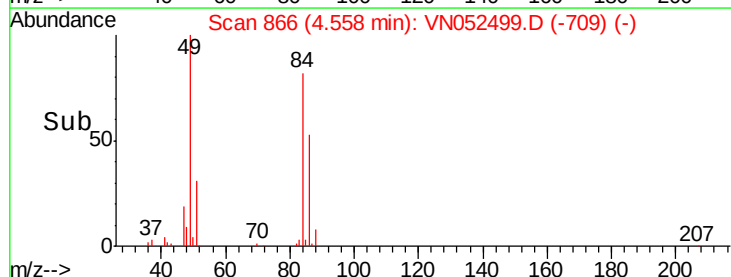
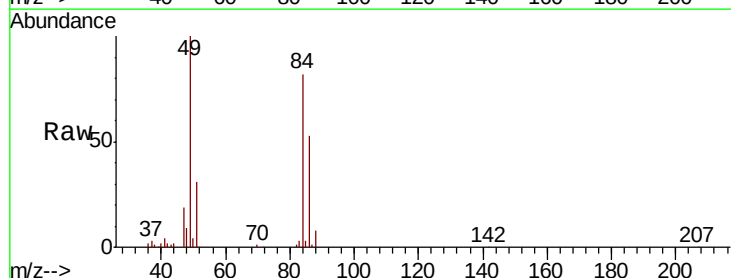
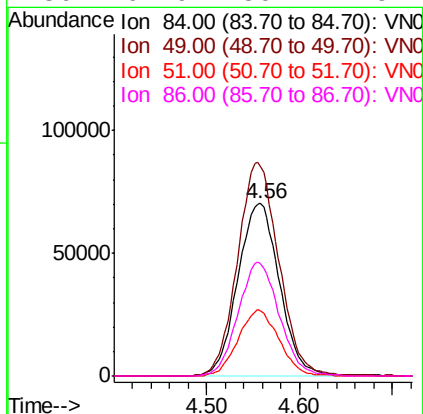
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

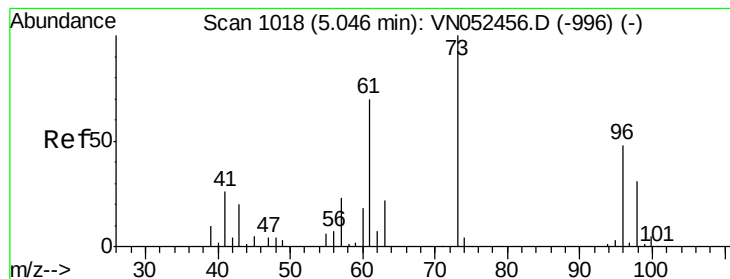
Tot Ion: 41 Resp: 293690
Ion Ratio Lower Upper
41 100
39 68.1 32.8 98.3
76 39.1 18.6 55.8



#18
Methylene Chloride
Concen: 19.348 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 84 Resp: 219105
Ion Ratio Lower Upper
84 100
49 121.8 101.4 152.0
51 37.8 31.7 47.5
86 64.9 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 19.425 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

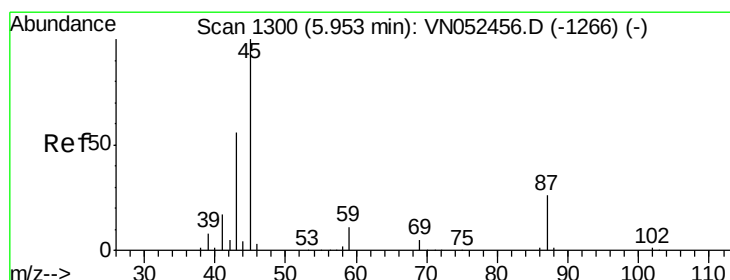
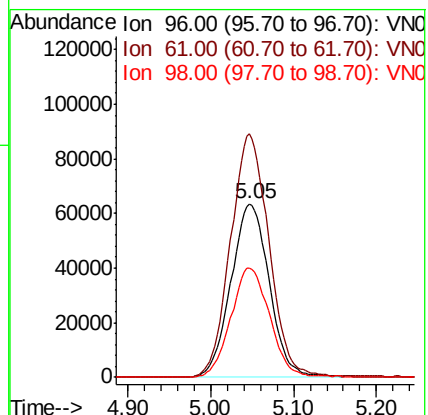
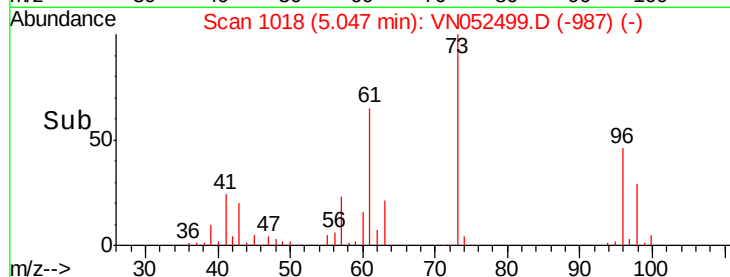
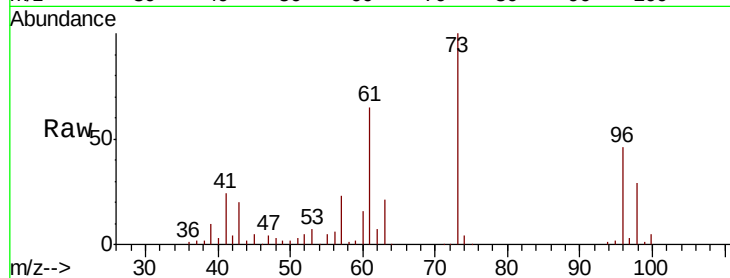
Tot Ion: 96 Resp: 204461

Ion Ratio Lower Upper

96 100

61 139.7 118.2 177.4

98 63.0 51.4 77.2



#20

Diisopropyl ether

Concen: 19.103 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Tgt Ion: 45 Resp: 684762

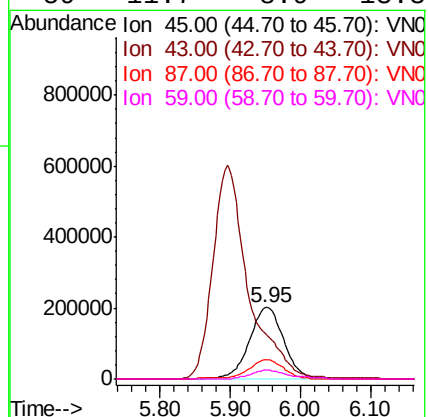
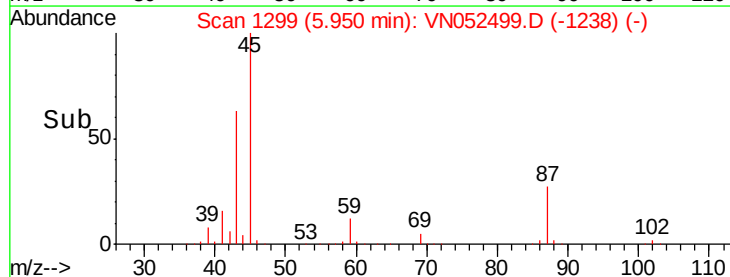
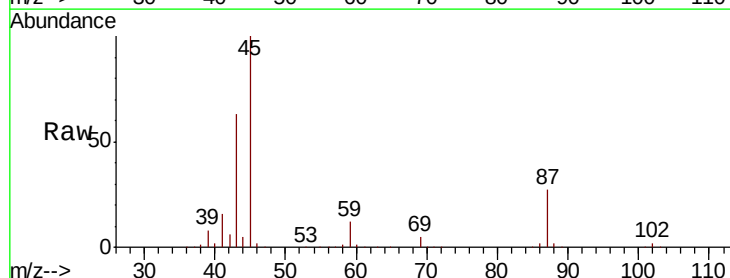
Ion Ratio Lower Upper

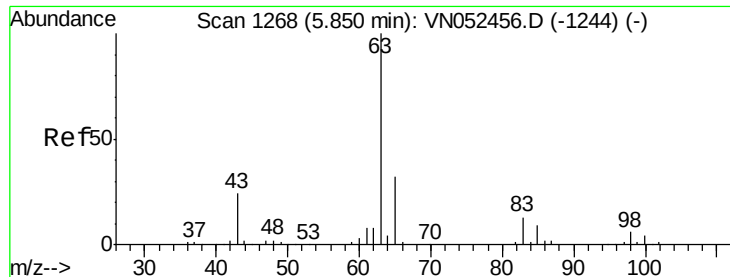
45 100

43 61.7 47.8 71.8

87 27.2 21.3 31.9

59 11.7 8.9 13.3





#21

1,1-Dichloroethane

Concen: 19.268 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

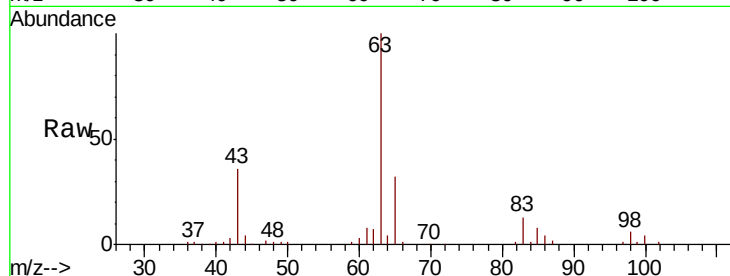
Tot Ion: 63 Resp: 393653

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 1.8 5.5

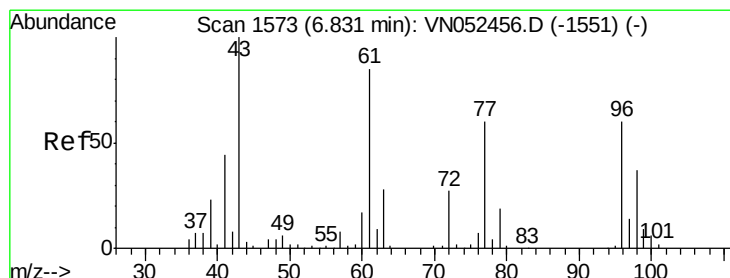
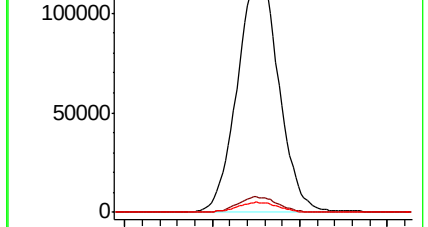
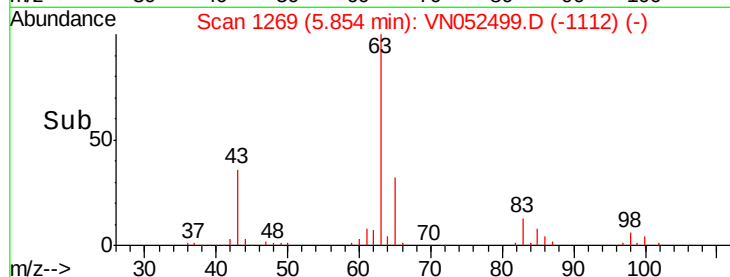


Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-1244) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 19.415 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

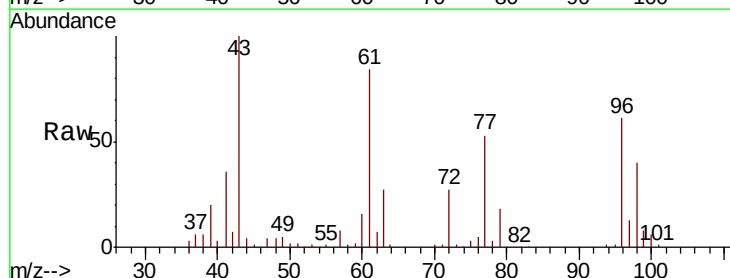
Tgt Ion: 96 Resp: 234206

Ion Ratio Lower Upper

96 100

61 142.3 116.7 175.1

98 64.9 50.8 76.2

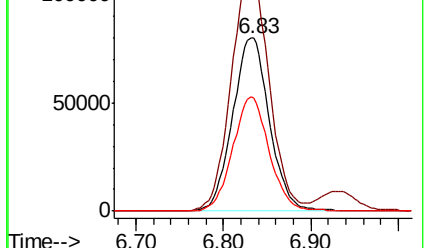
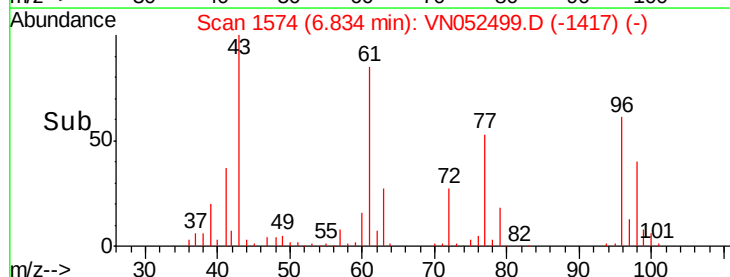


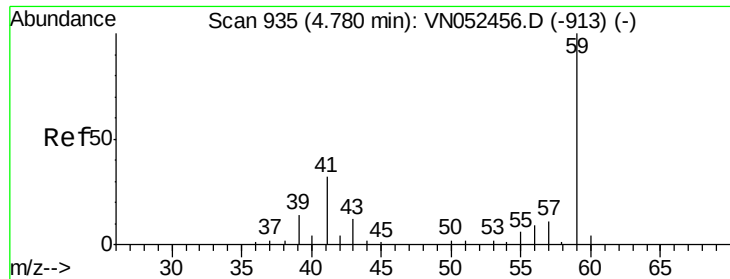
Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN052456.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1551) (-)

Time-->



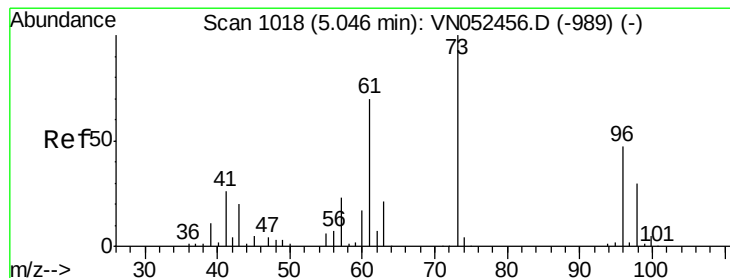
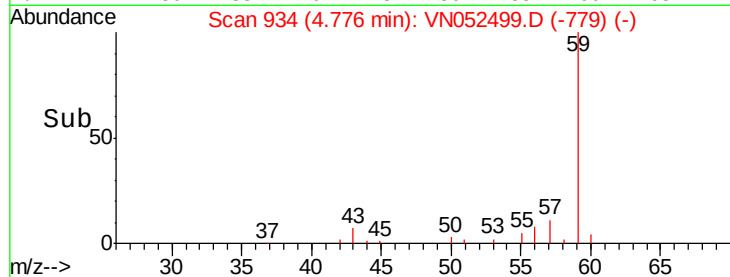
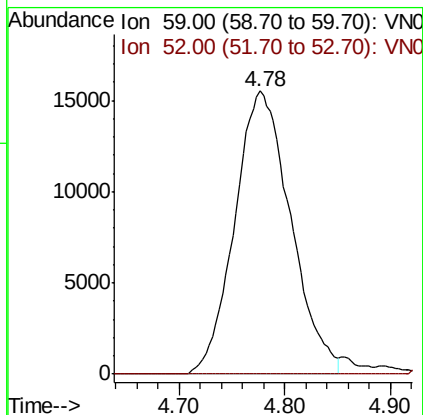
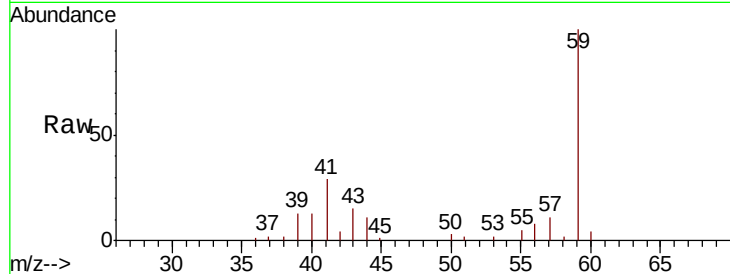


#23

tert-Butyl Alcohol
 Concen: 108.590 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

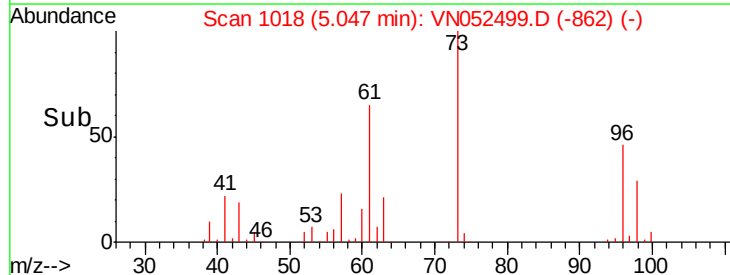
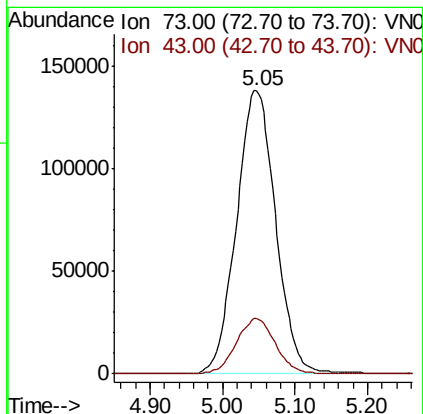
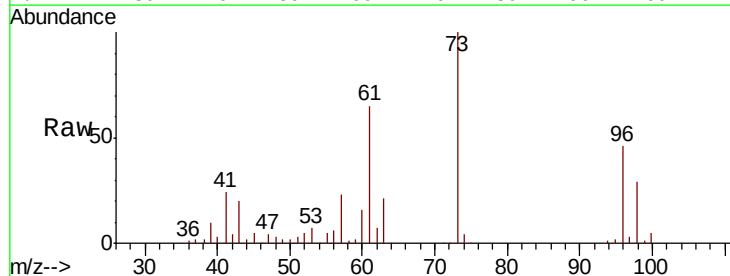
Tot Ion: 59 Resp: 57198
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

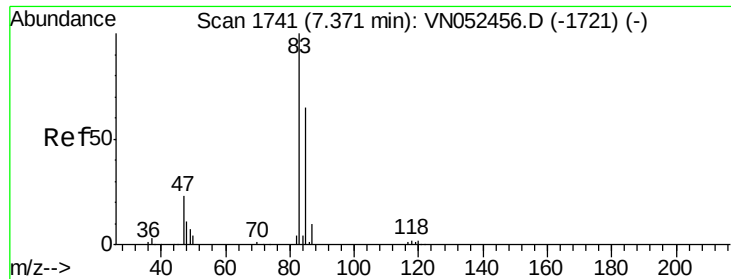


#24

Methyl tert-Butyl Ether
 Concen: 20.169 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion: 73 Resp: 517512
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.8 23.8





#25

Chloroform

Concen: 20.025 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

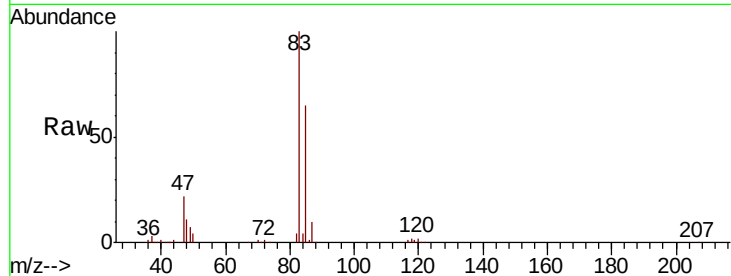
VN1127WBSD02

Tot Ion: 83 Resp: 394682

Ion Ratio Lower Upper

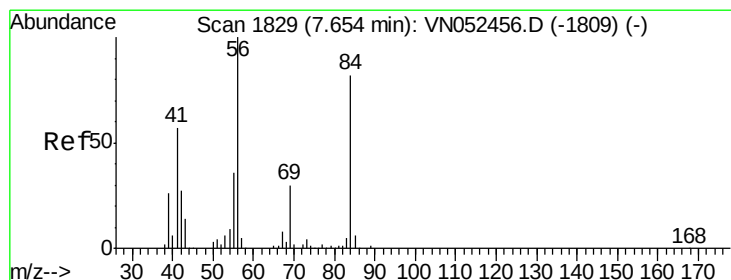
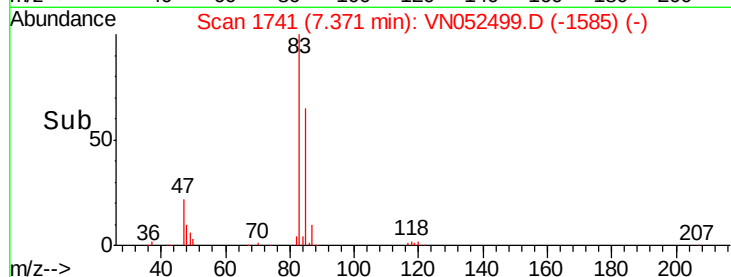
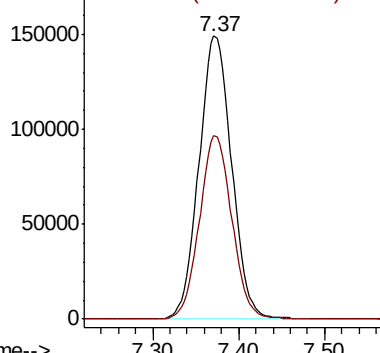
83 100

85 64.9 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 18.772 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

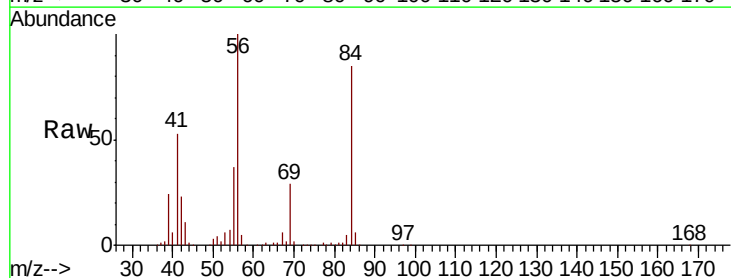
Tgt Ion: 56 Resp: 361717

Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

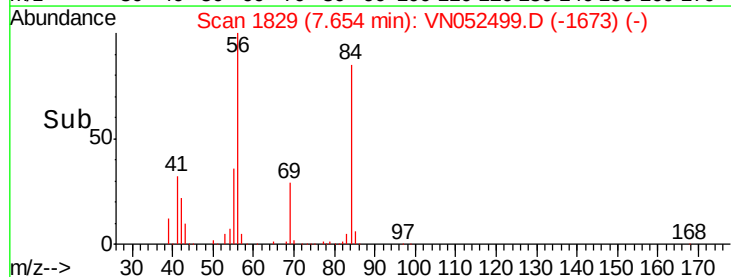
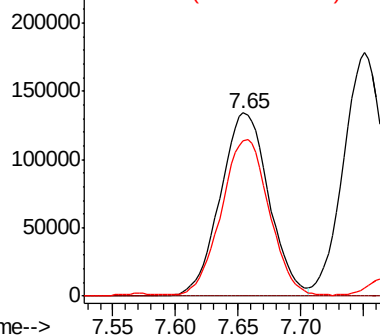
84 84.7 66.2 99.2

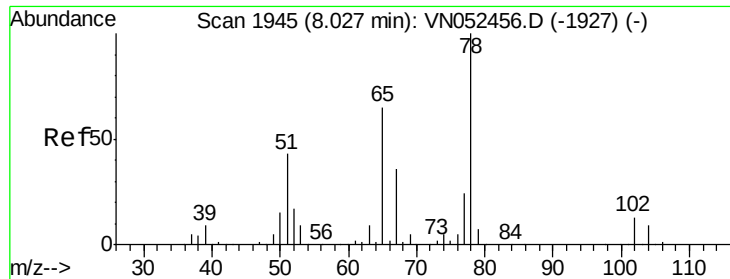


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

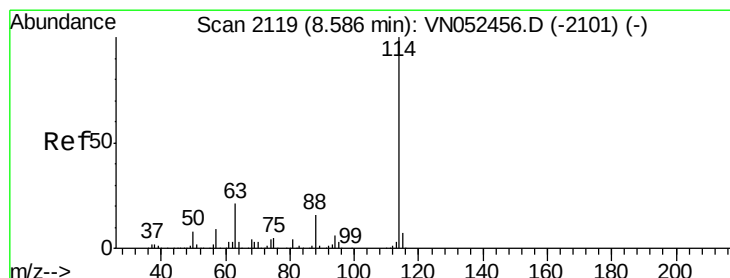
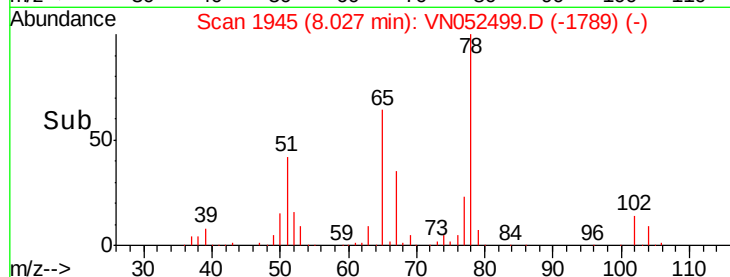
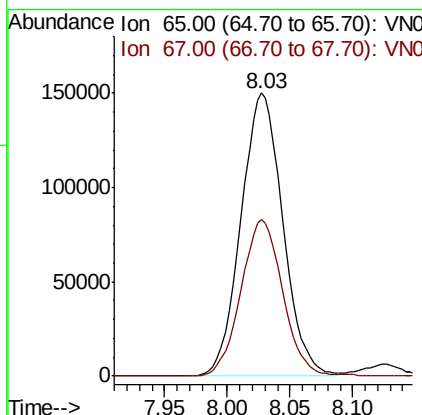
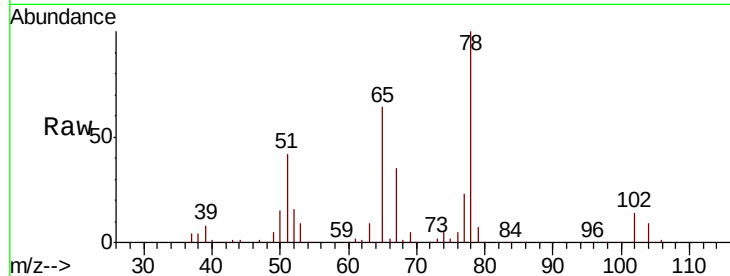




#27
 1,2-Dichloroethane-d4
 Concen: 18.772 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

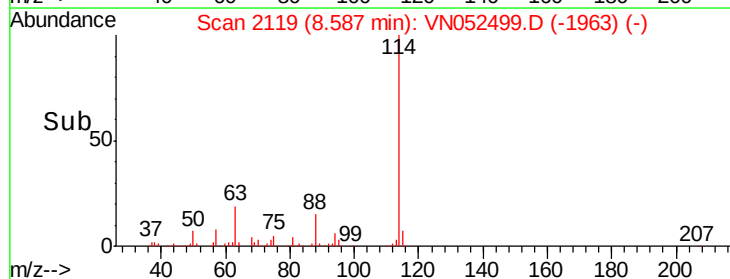
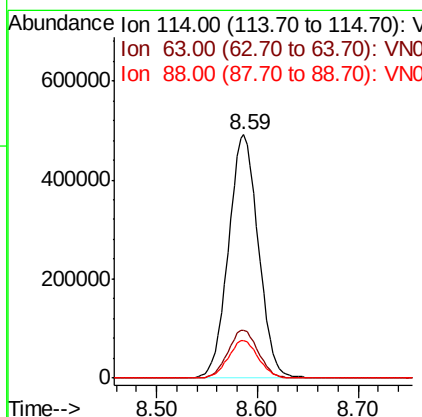
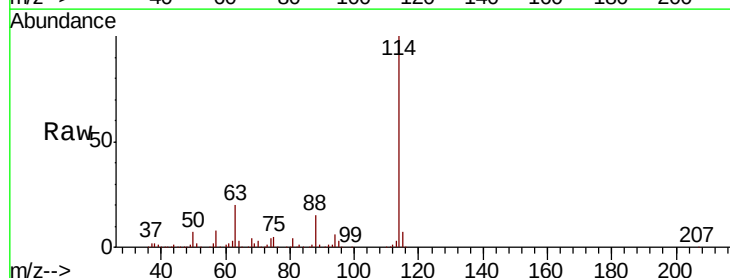
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

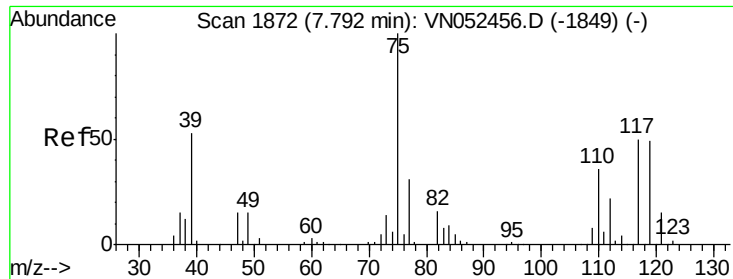
Tot Ion: 65 Resp: 349254
 Ion Ratio Lower Upper
 65 100
 67 55.1 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion: 114 Resp: 1012127
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.9 25.3
 88 15.6 12.8 19.2

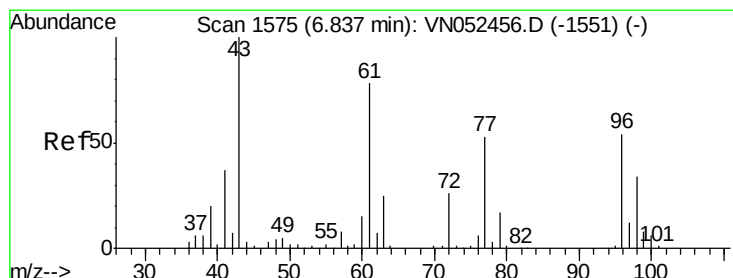
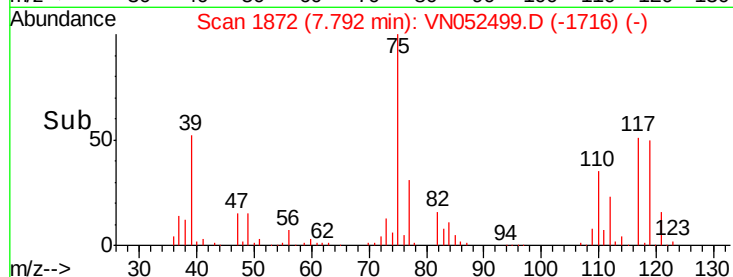
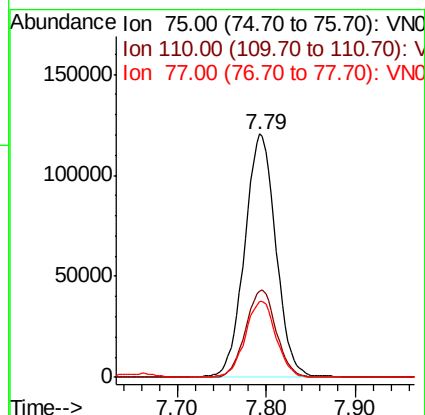
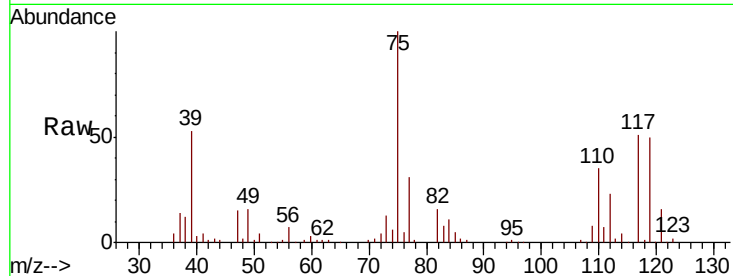




#29
 1,1-Dichloropropene
 Concen: 19.017 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

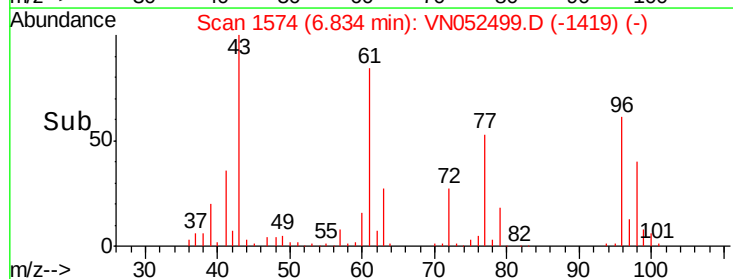
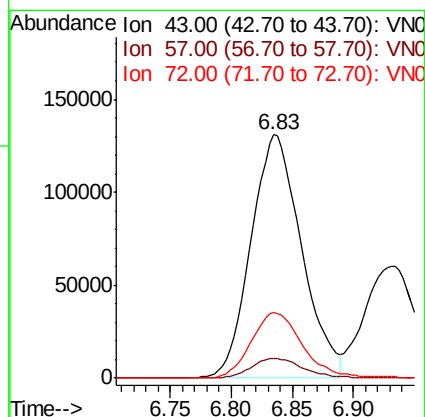
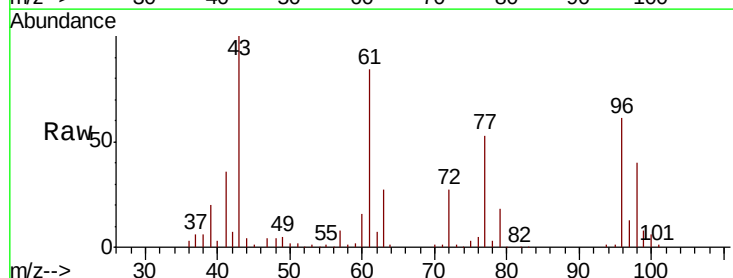
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

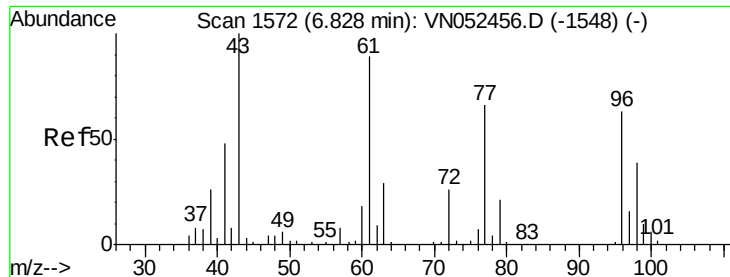
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.2	0.0	70.2
77	31.0	0.0	62.6



#30
 2-Butanone
 Concen: 90.456 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.2	9.4
72	27.8	21.0	31.6

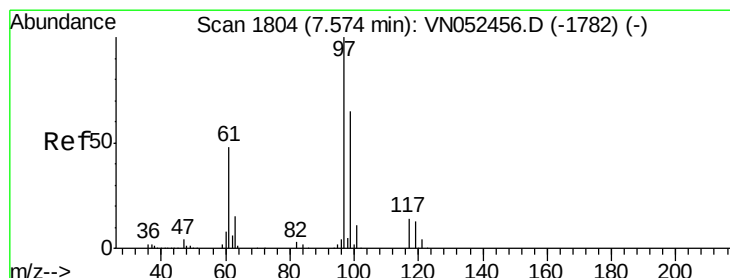
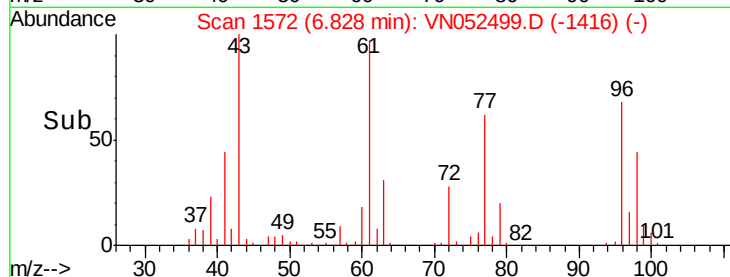
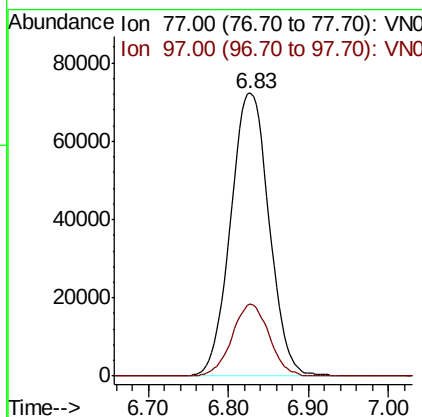
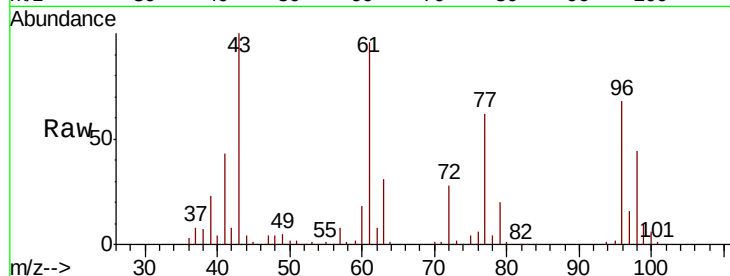




#31
 2,2-Dichloropropane
 Concen: 16.596 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

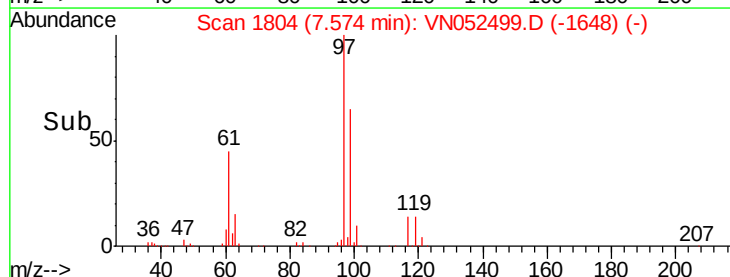
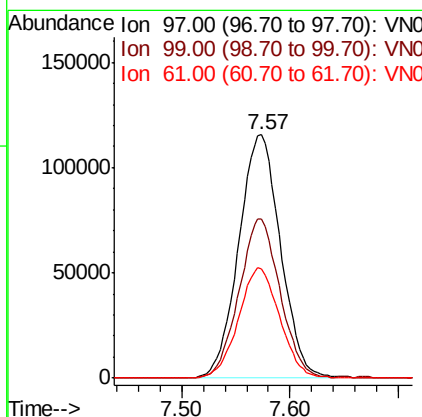
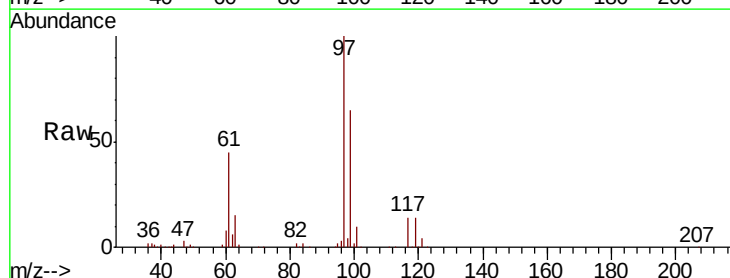
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

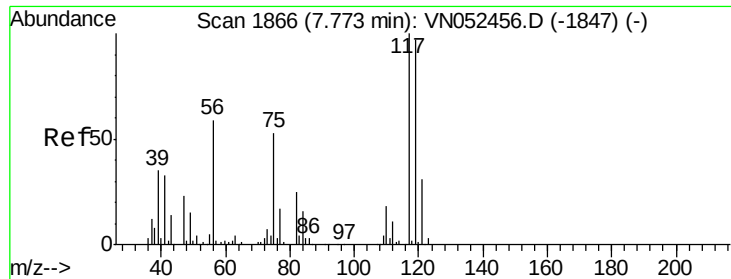
Tot Ion: 77 Resp: 236148
 Ion Ratio Lower Upper
 77 100
 97 24.5 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.360 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion: 97 Resp: 311360
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 44.8 38.1 57.1

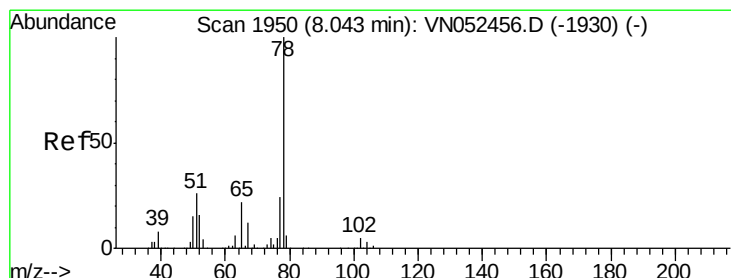
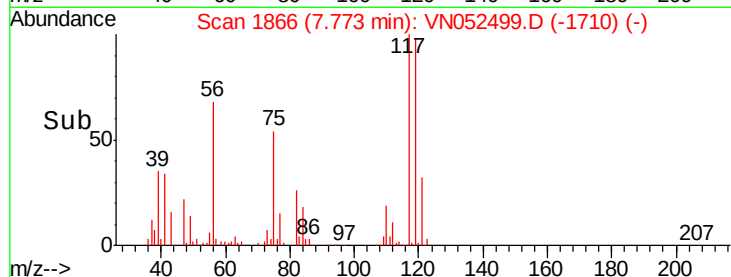
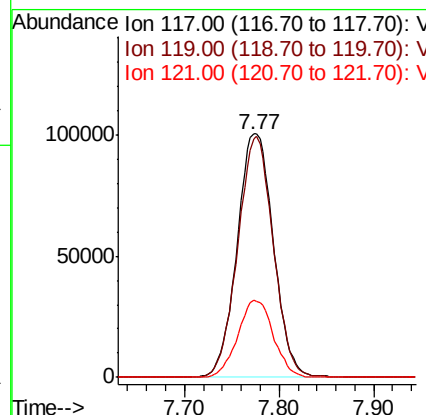
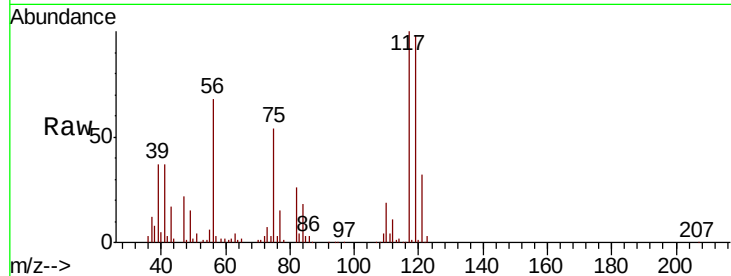




#33
Carbon Tetrachloride
Concen: 19.093 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

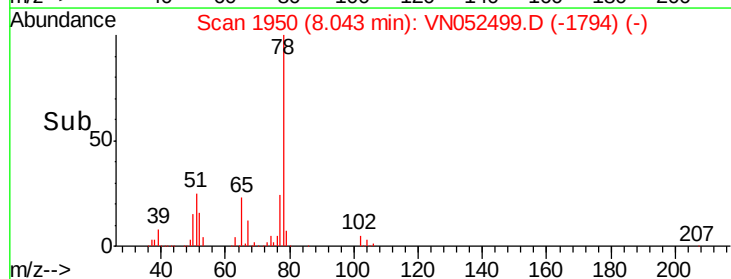
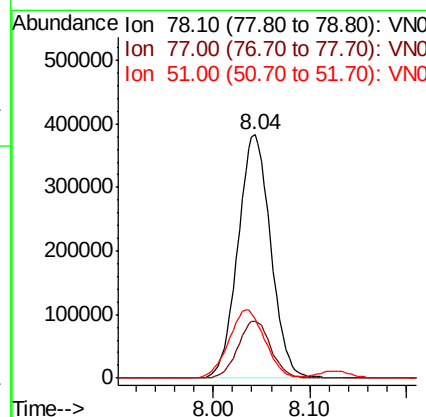
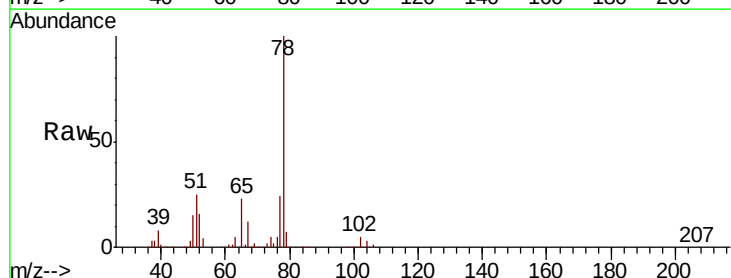
Instrument :
MSVOA_N
ClientSampled :
VN1127WBSD02

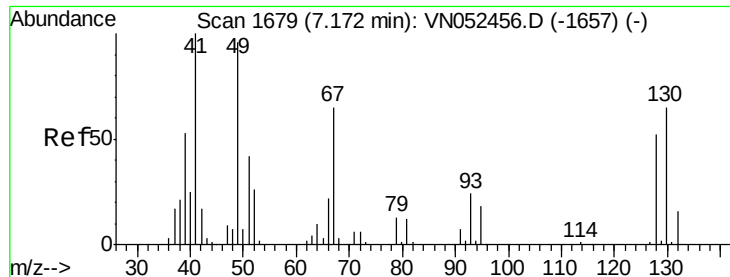
Tot Ion:117 Resp: 268680
Ion Ratio Lower Upper
117 100
119 98.2 77.3 115.9
121 31.5 24.9 37.3



#34
Benzene
Concen: 19.398 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 78 Resp: 901447
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6
51 24.5 20.5 30.7

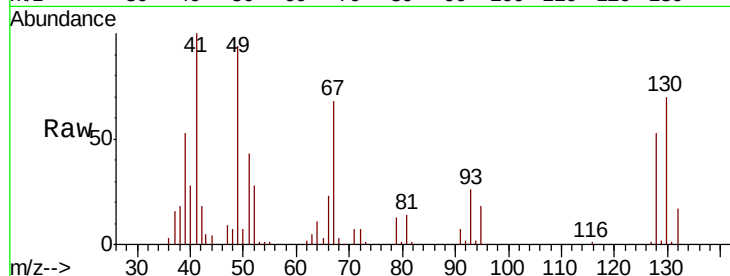




#35
Methacrylonitrile
Concen: 17.959 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tot Ion:	41	Resp:	92151
Ion	Ratio	Lower	Upper
41	100		
39	52.6	26.6	79.7
67	68.5	32.3	96.9
52	27.8	13.0	38.9



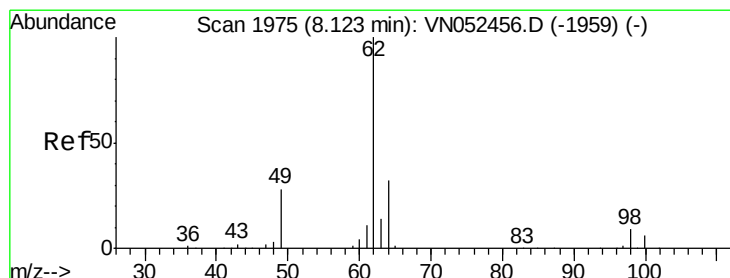
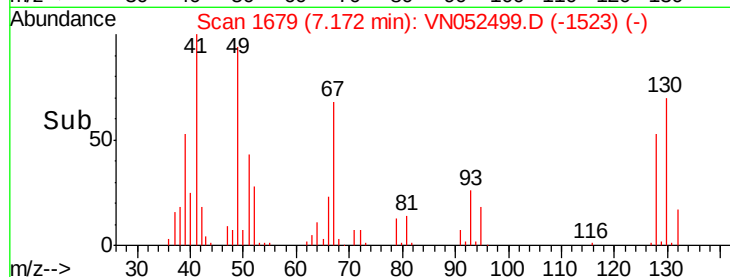
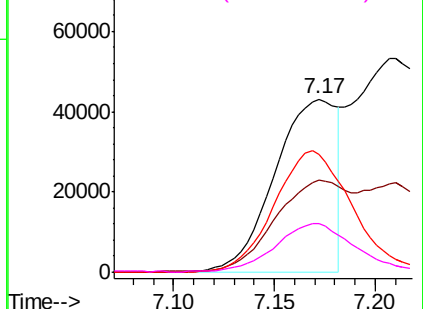
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

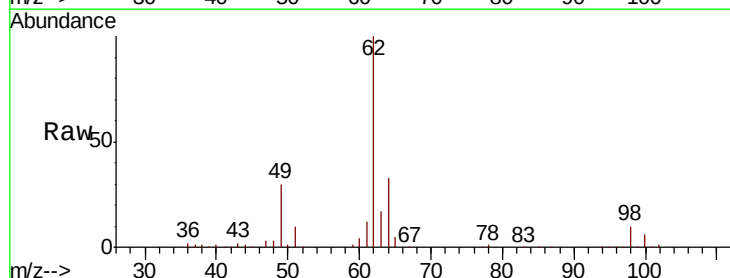
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 19.222 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

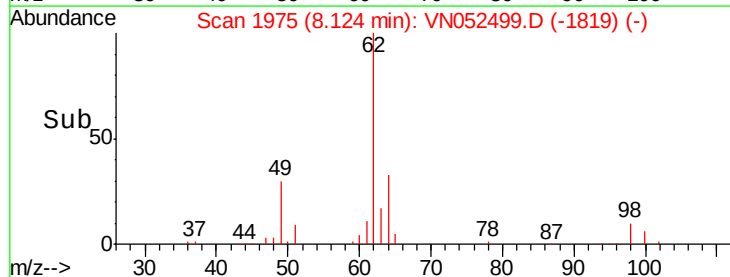
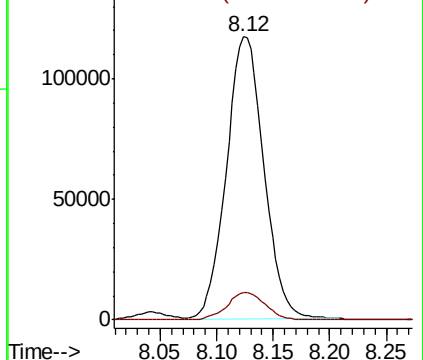
Tgt Ion:	62	Resp:	270681
Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.4	11.2

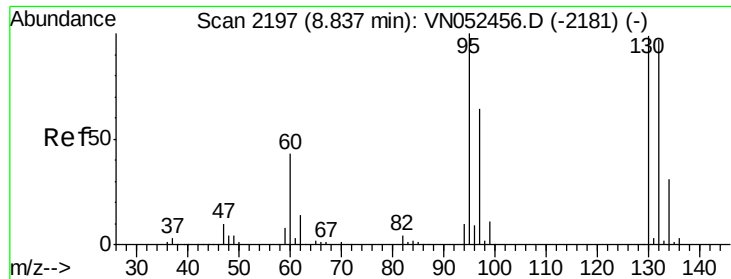


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

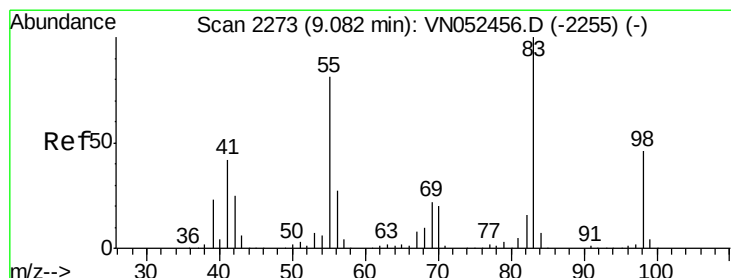
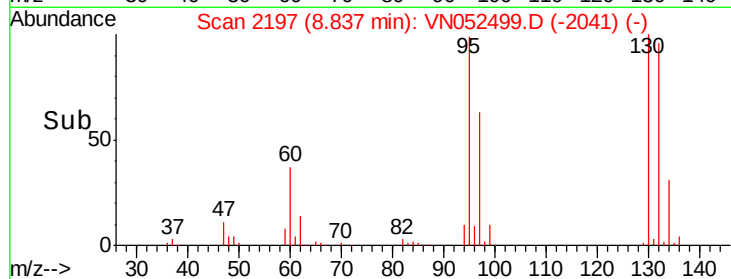
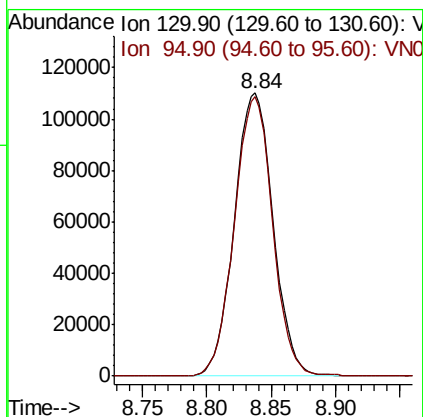
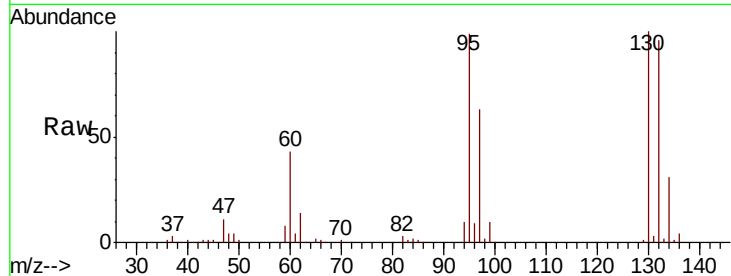




#37
 Trichloroethene
 Concen: 19.550 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

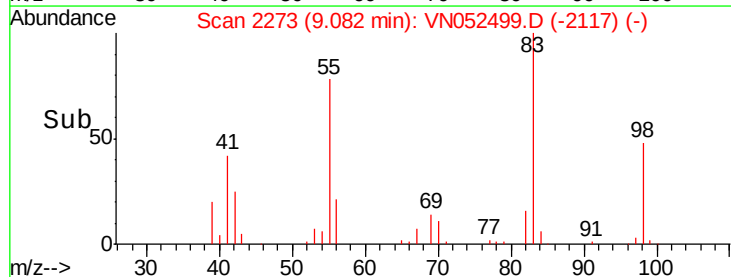
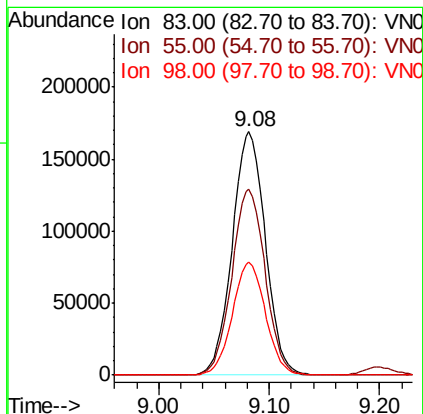
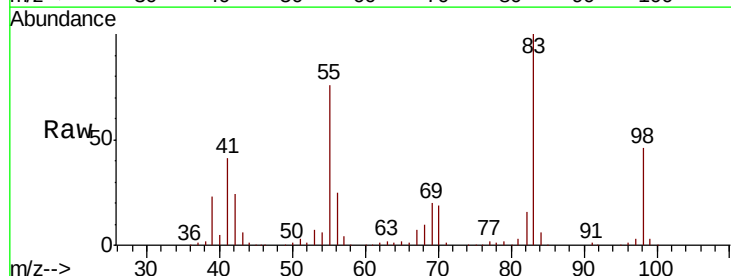
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

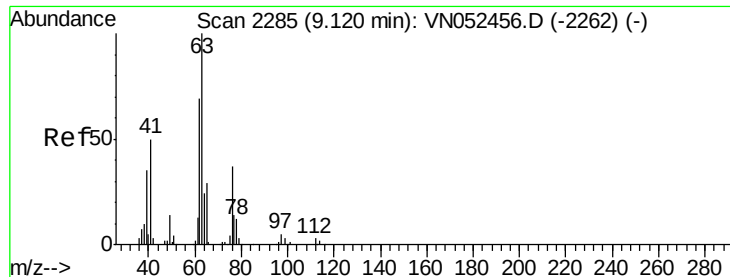
Tot Ion:130 Resp: 230371
 Ion Ratio Lower Upper
 130 100
 95 98.6 81.0 121.4



#38
 Methylcyclohexane
 Concen: 18.402 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion: 83 Resp: 352092
 Ion Ratio Lower Upper
 83 100
 55 76.7 39.8 119.4
 98 46.2 22.9 68.5





#39

1,2-Dichloropropane

Concen: 19.037 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

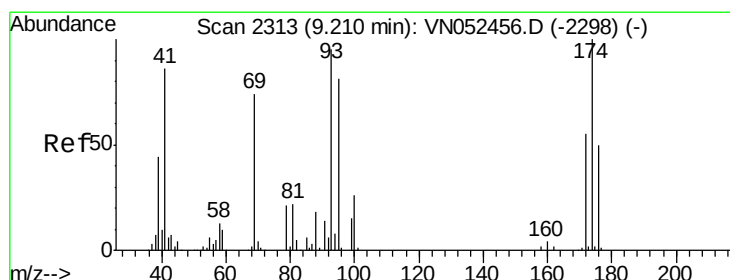
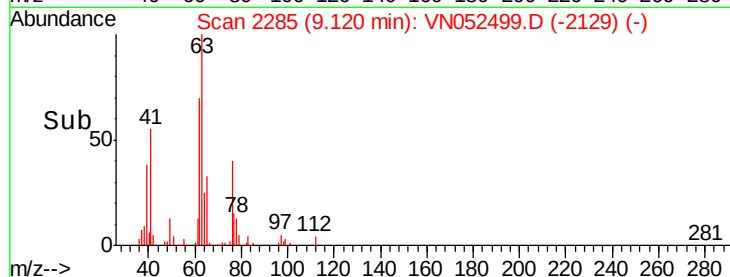
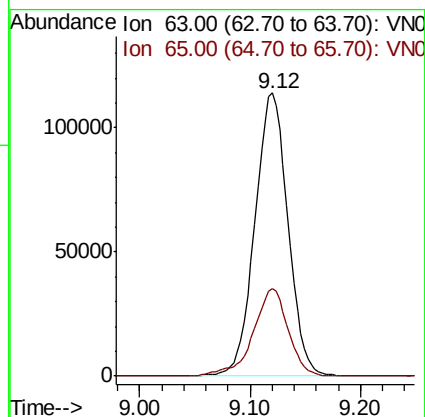
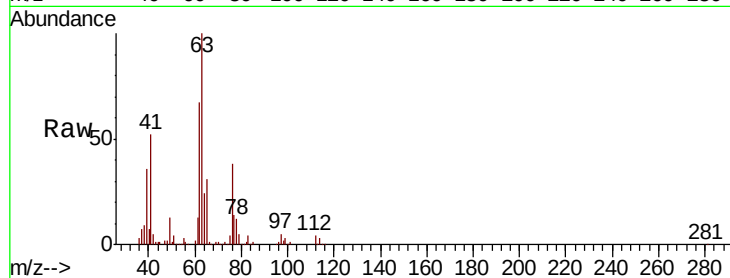
VN1127WBSD02

Tot Ion: 63 Resp: 237131

Ion Ratio Lower Upper

63 100

65 30.9 23.6 35.4



#40

Dibromomethane

Concen: 19.977 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

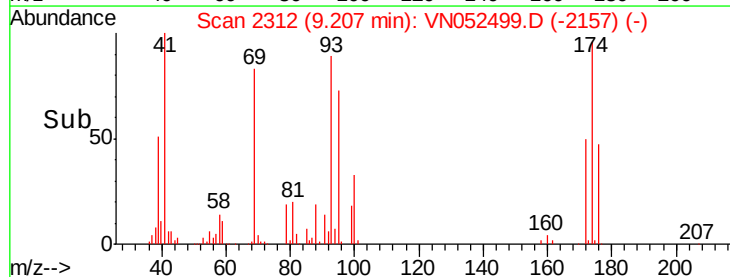
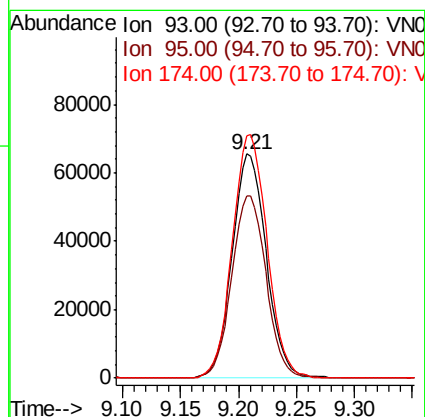
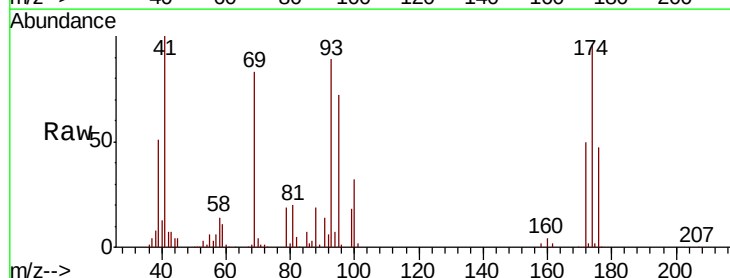
Tgt Ion: 93 Resp: 134476

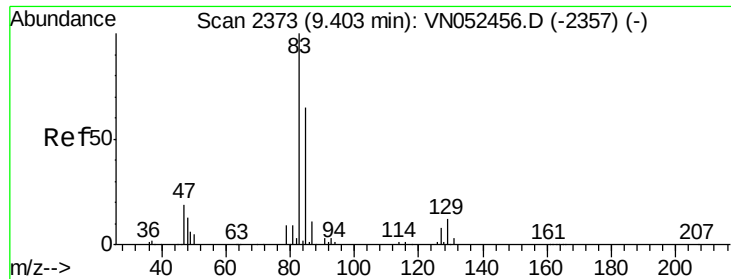
Ion Ratio Lower Upper

93 100

95 81.9 0.0 168.4

174 109.9 0.0 210.0

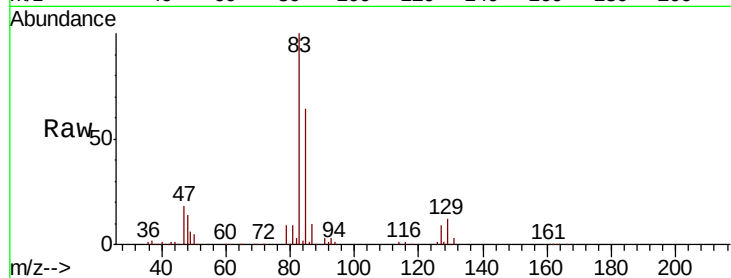




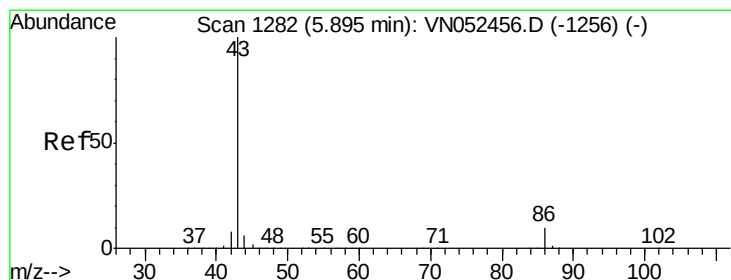
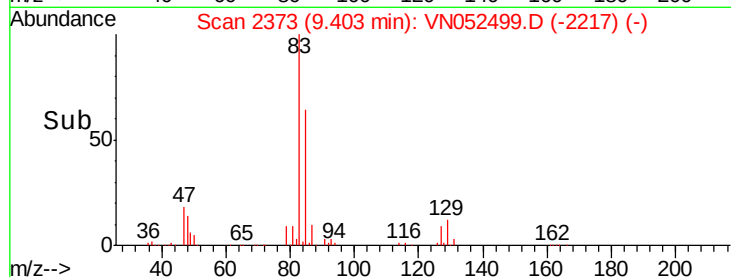
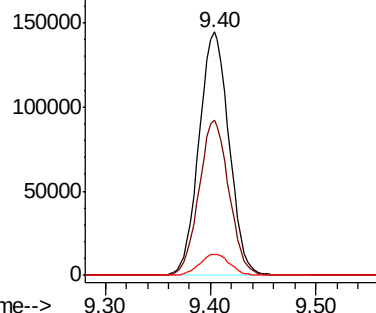
#41
 Bromodichloromethane
 Concen: 19.175 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tot Ion: 83 Resp: 285168
 Ion Ratio Lower Upper
 83 100
 85 63.7 52.4 78.6
 127 8.8 6.6 9.8

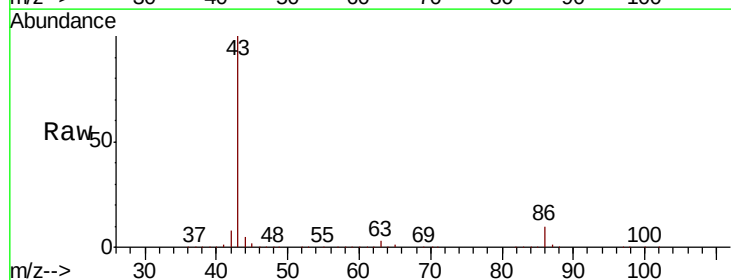


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

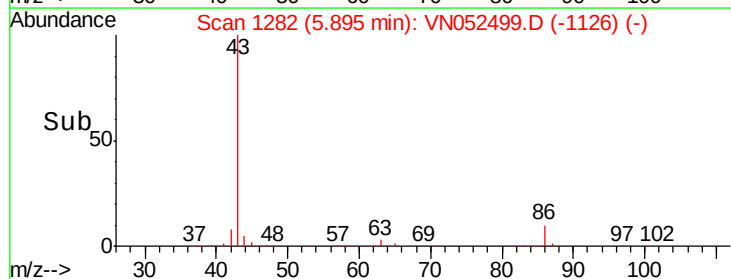
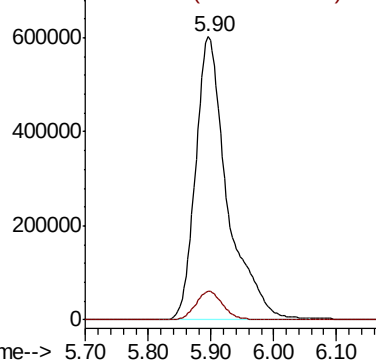


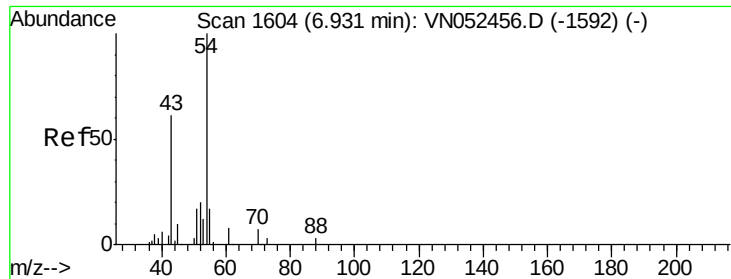
#42
 Vinyl Acetate
 Concen: 94.361 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion: 43 Resp: 2111552
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0

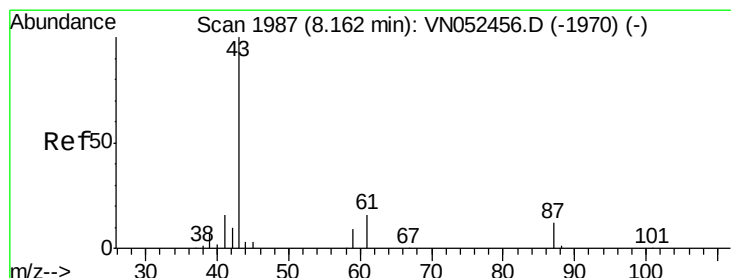
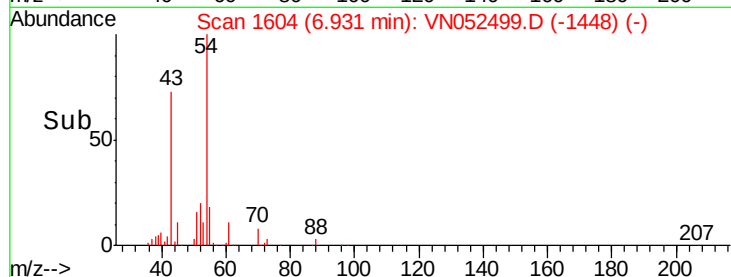
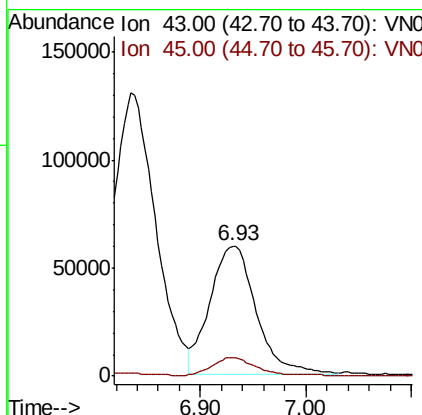
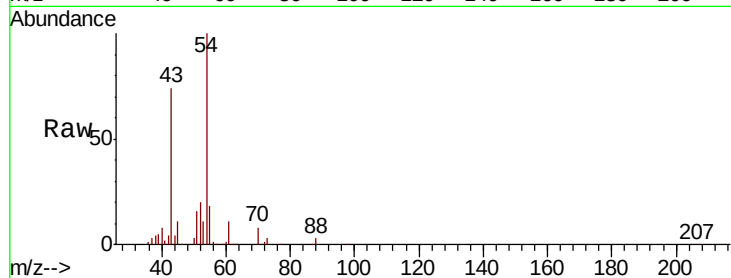




#43
Ethyl Acetate
Concen: 20.839 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

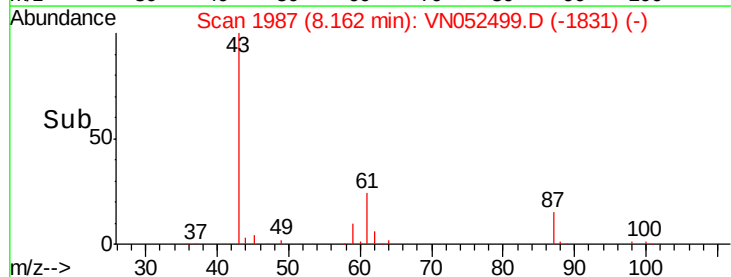
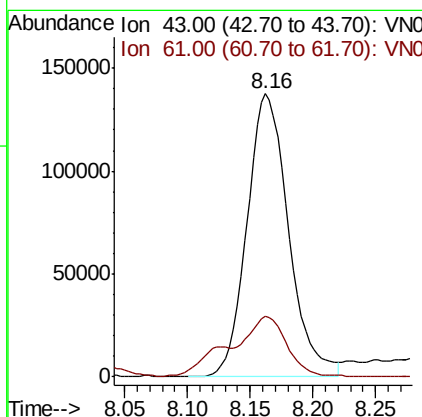
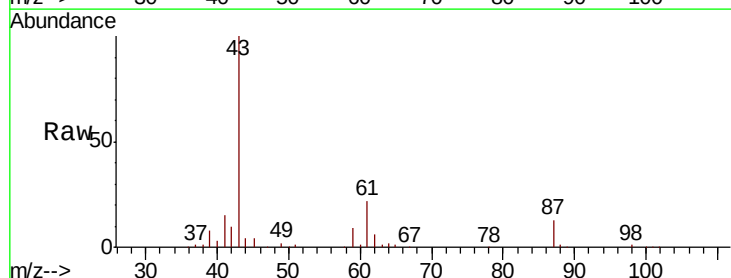
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

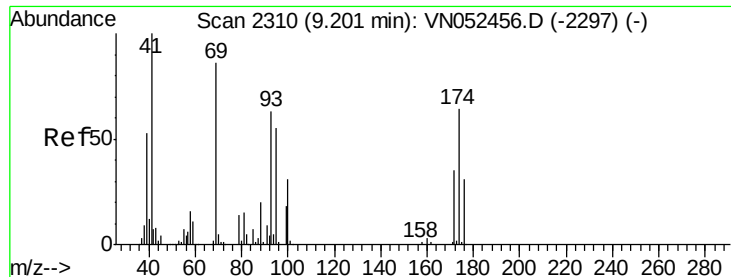
Tot Ion: 43 Resp: 183267
Ion Ratio Lower Upper
43 100
45 12.6 1.0 1.6#



#44
Isopropyl Acetate
Concen: 20.538 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 43 Resp: 316765
Ion Ratio Lower Upper
43 100
61 19.2 16.0 24.0

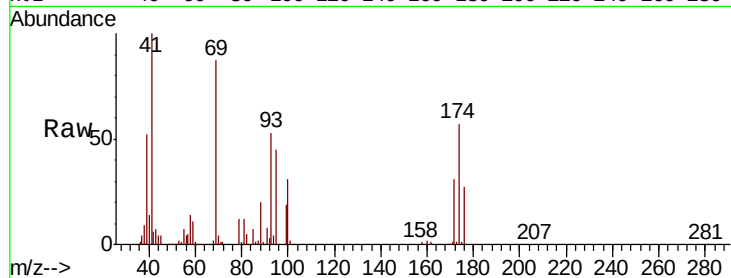




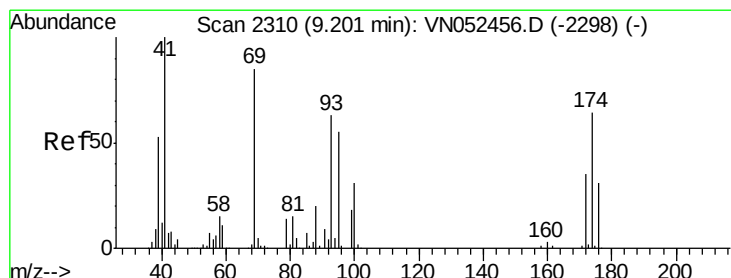
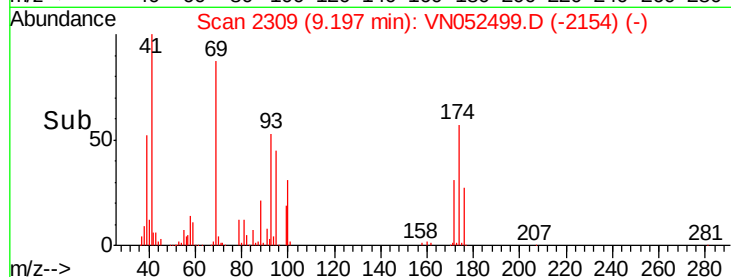
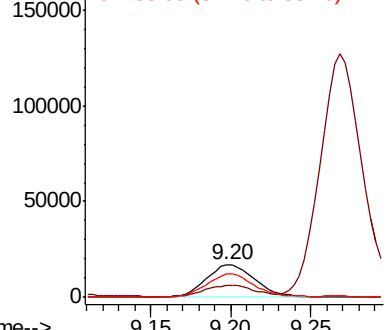
#45
1,4-Dioxane
Concen: 423.205 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tot Ion: 88 Resp: 35709
Ion Ratio Lower Upper
88 100
43 34.5 29.5 44.3
58 70.7 61.5 92.3

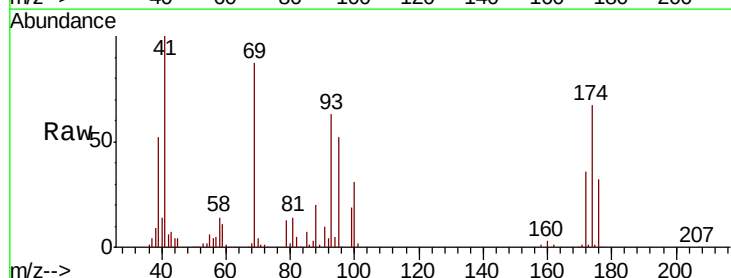


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

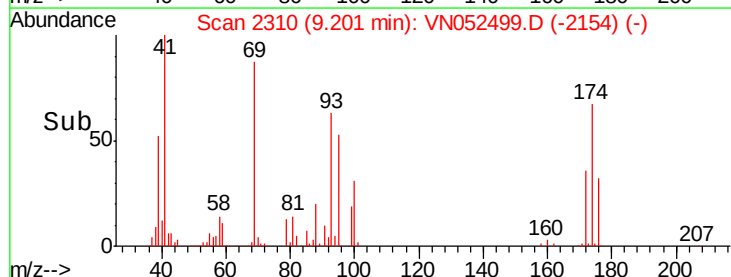
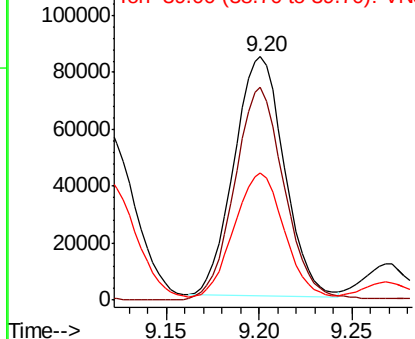


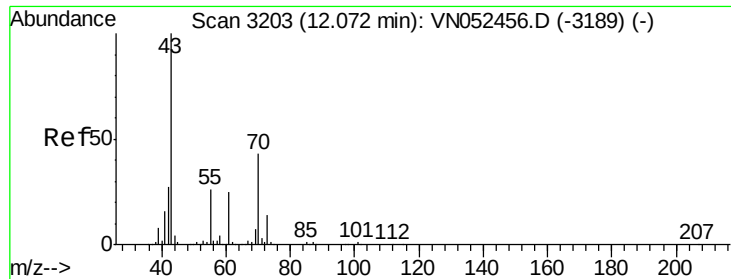
#46
Methyl methacrylate
Concen: 19.703 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 41 Resp: 157788
Ion Ratio Lower Upper
41 100
69 88.1 42.5 127.6
39 52.0 26.3 78.9



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

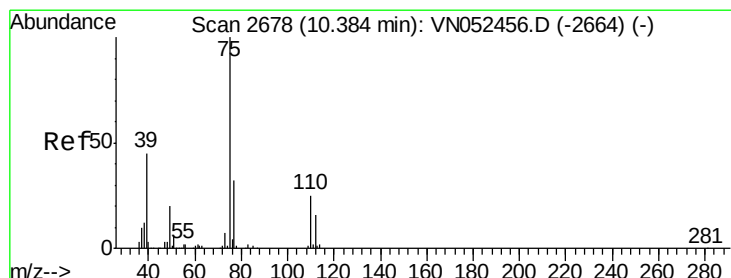
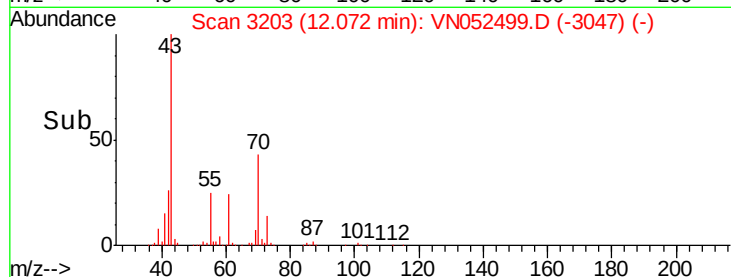
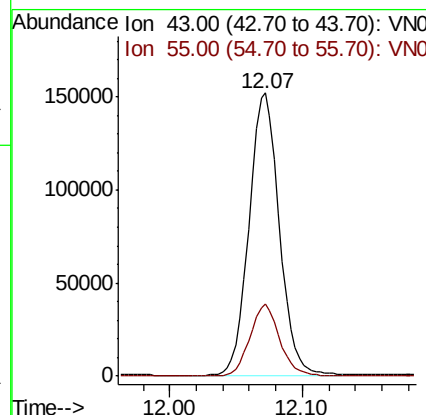
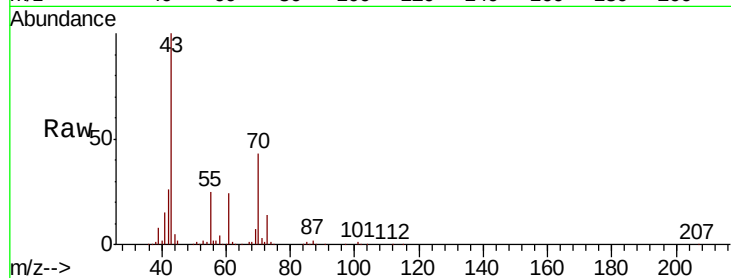




#47
n-amvl Acetate
Concen: 18.871 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

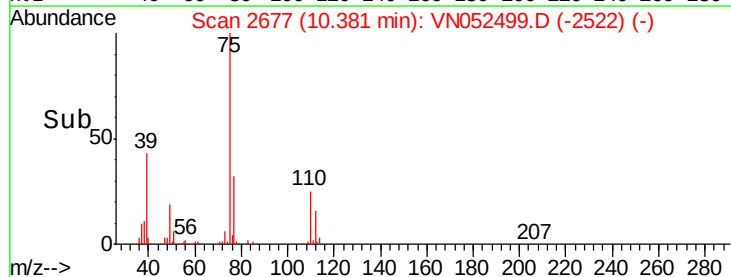
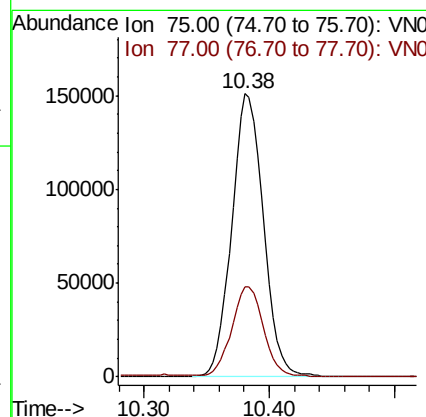
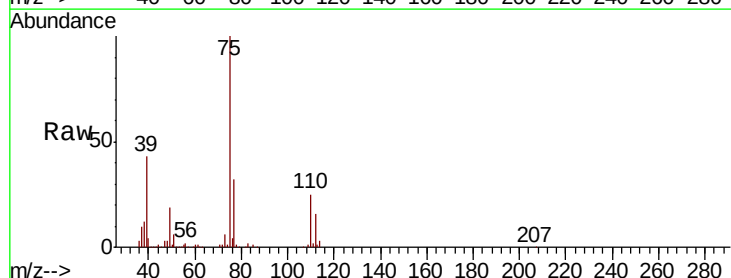
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

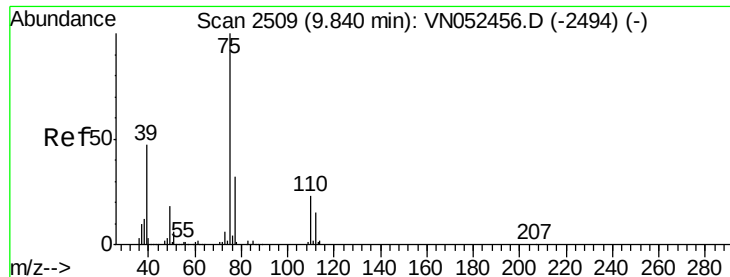
Tot Ion: 43 Resp: 241333
Ion Ratio Lower Upper
43 100
55 25.1 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 18.337 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 75 Resp: 264427
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 18.340 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

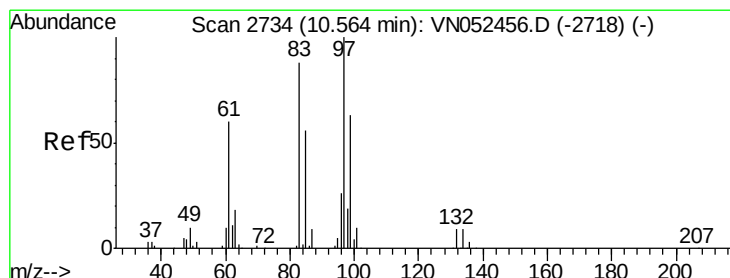
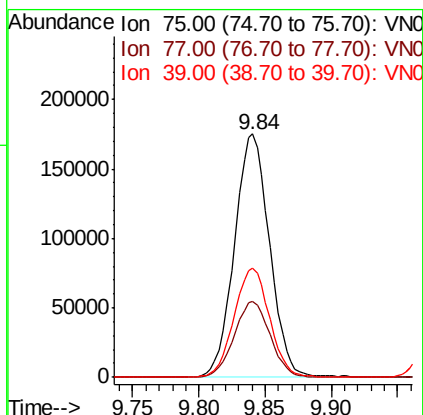
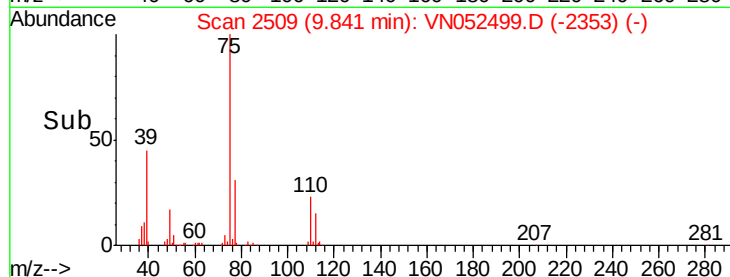
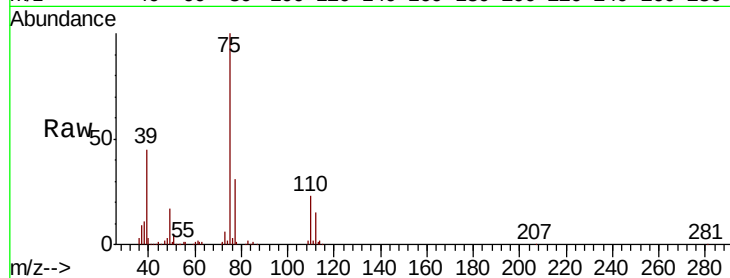
Tot Ion: 75 Resp: 322222

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 44.6 37.3 55.9



#50

1,1,2-Trichloroethane

Concen: 19.995 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Tgt Ion: 97 Resp: 190788

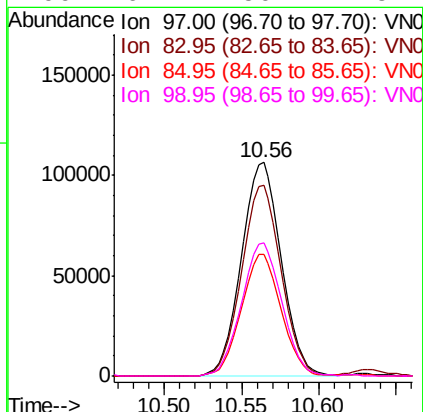
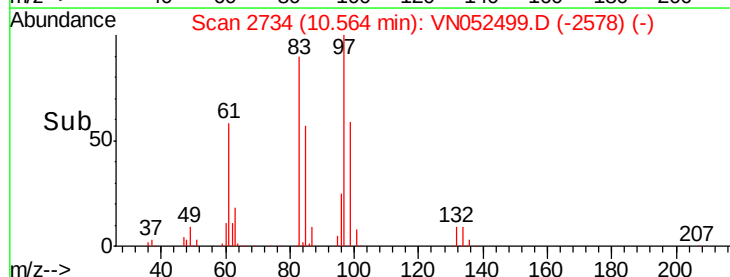
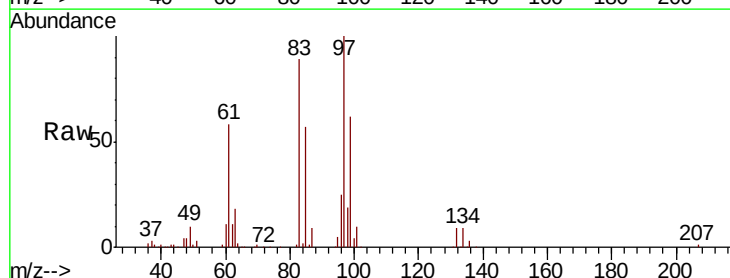
Ion Ratio Lower Upper

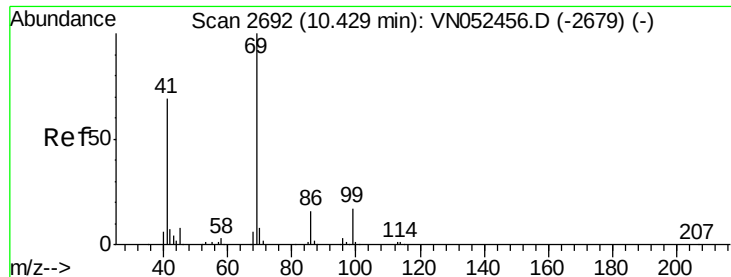
97 100

83 89.3 70.4 105.6

85 56.7 45.0 67.6

99 62.2 50.2 75.2





#51

Ethyl methacrylate

Concen: 19.767 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampled :

VN1127WBSD02

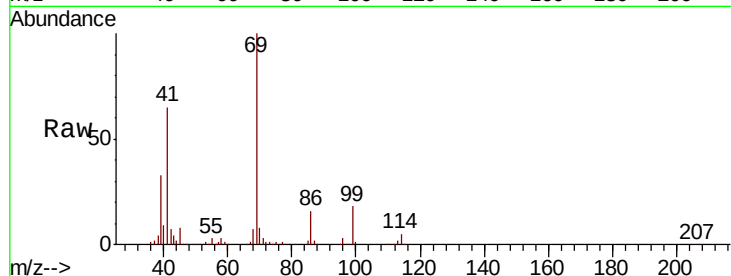
Tot Ion: 69 Resp: 236892

Ion Ratio Lower Upper

69 100

41 64.3 34.4 103.3

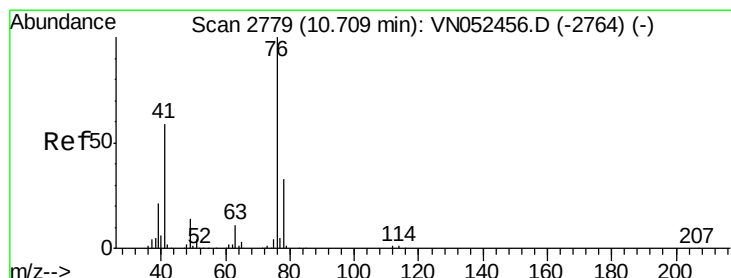
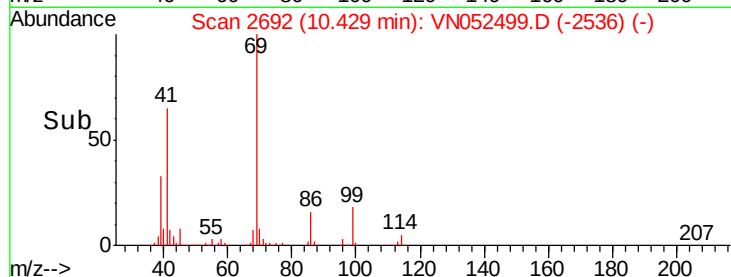
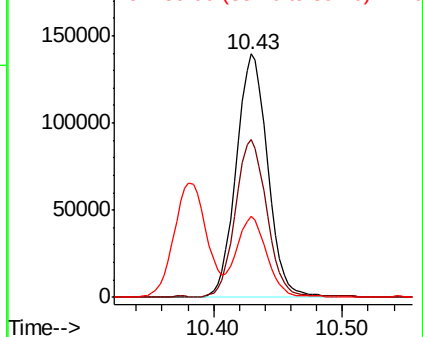
39 32.8 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.595 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052499.D

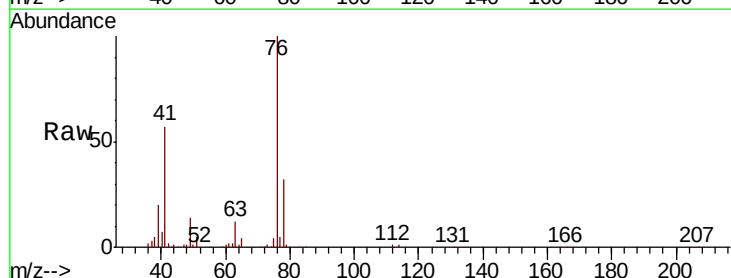
Acq: 28 Nov 2018 1:12

Tgt Ion: 76 Resp: 332808

Ion Ratio Lower Upper

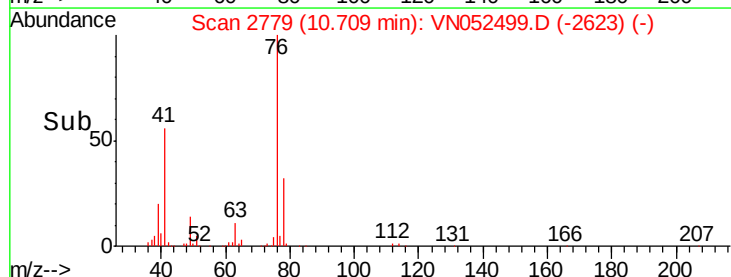
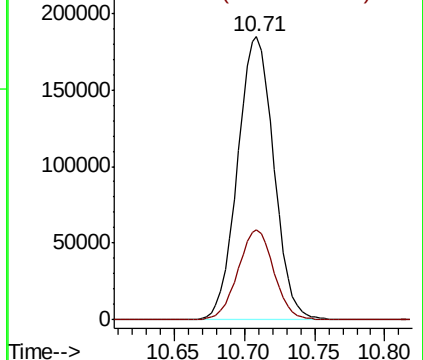
76 100

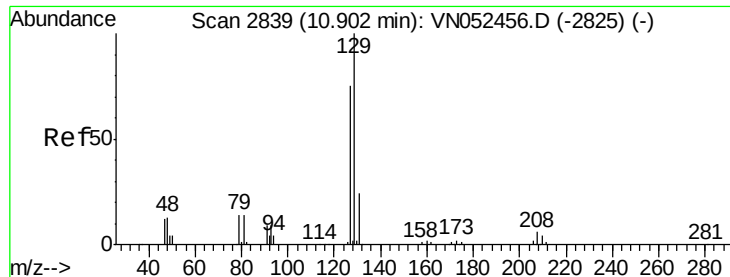
78 31.6 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.277 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

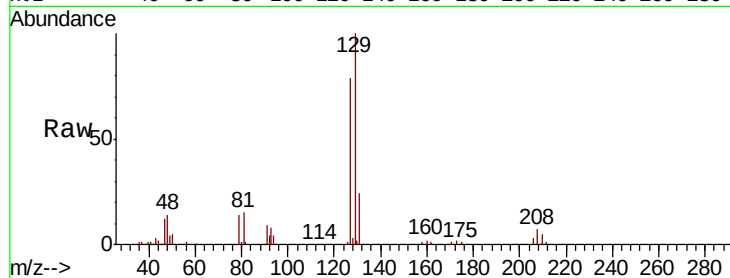
VN1127WBSD02

Tot Ion:129 Resp: 202503

Ion Ratio Lower Upper

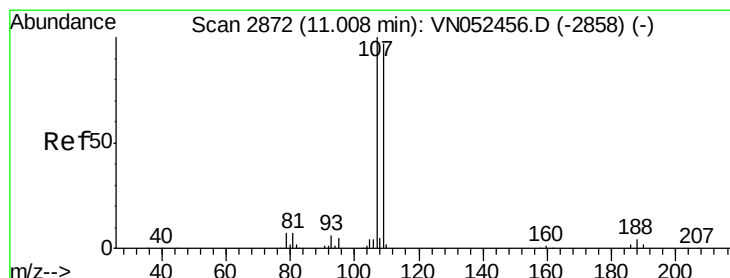
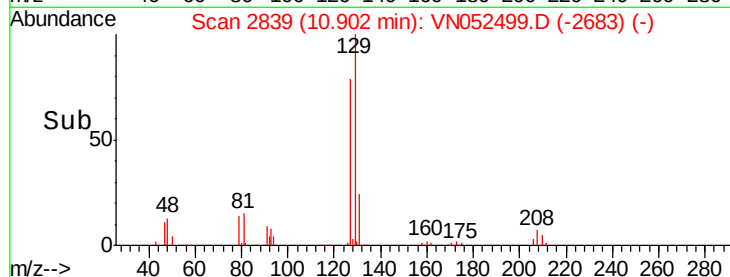
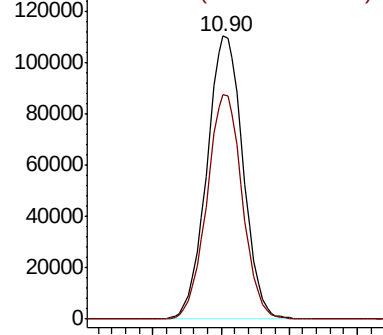
129 100

127 77.7 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.861 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052499.D

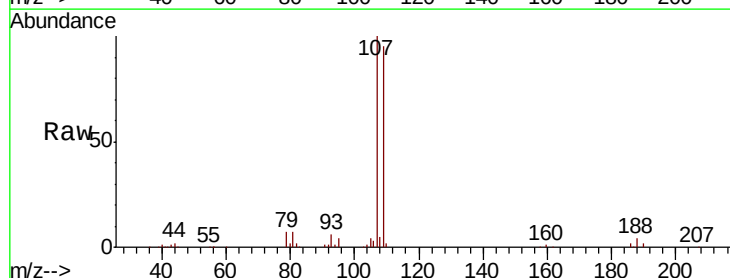
Acq: 28 Nov 2018 1:12

Tgt Ion:107 Resp: 185185

Ion Ratio Lower Upper

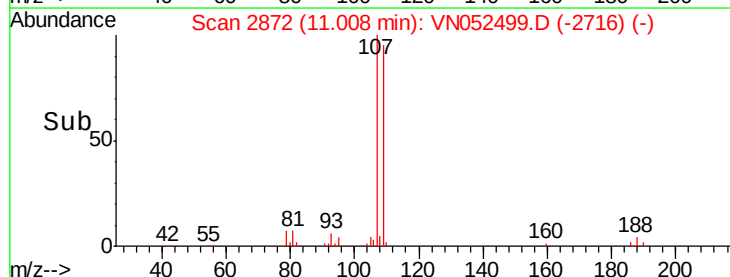
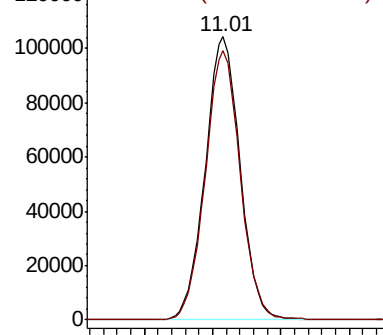
107 100

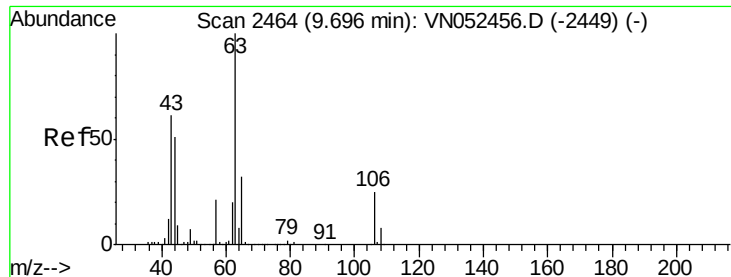
109 95.2 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

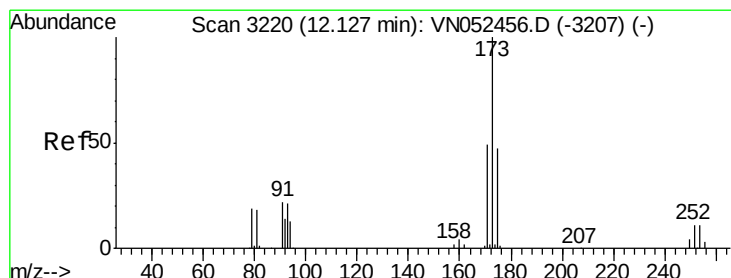
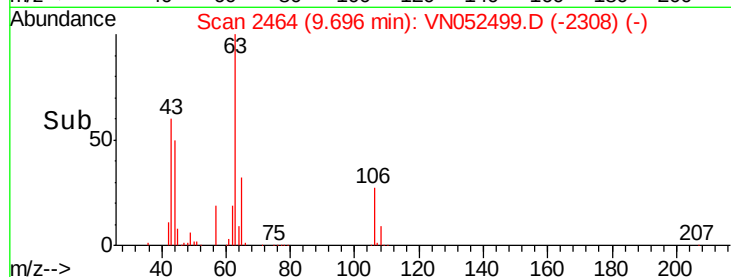
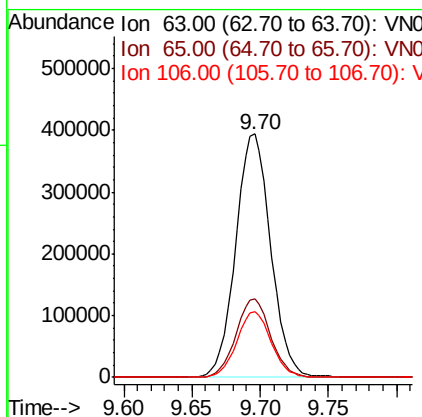
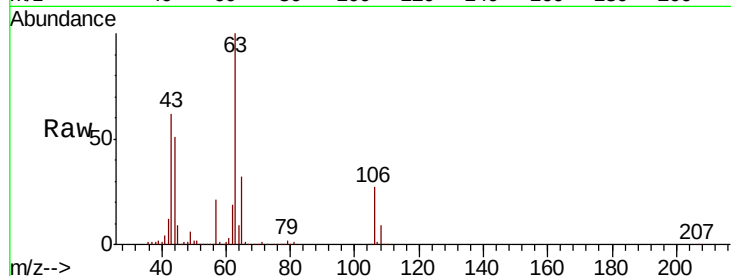




#55
 2-Chloroethyl vinyl ether
 Concen: 100.108 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

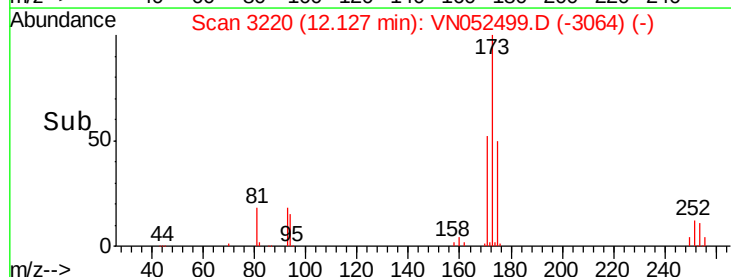
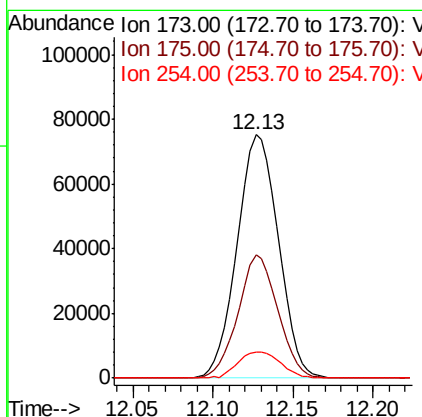
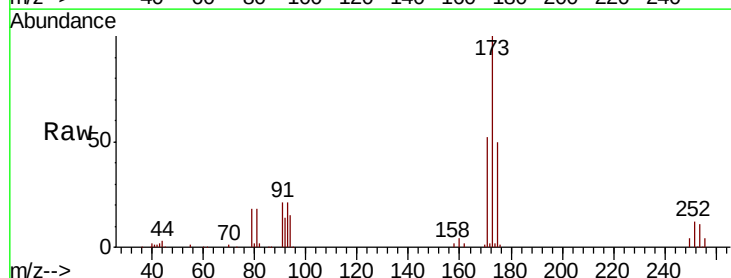
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1127WBSD02

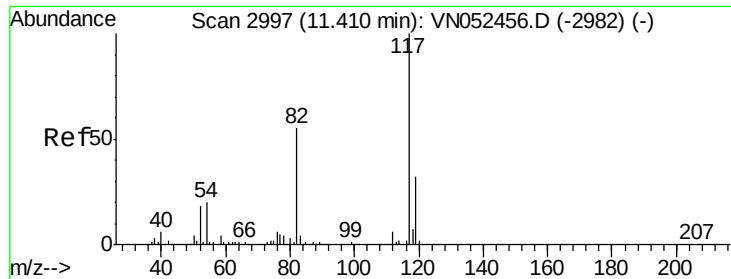
Tot Ion: 63 Resp: 702245
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.2
 106 26.7 20.4 30.6



#56
 Bromoform
 Concen: 19.290 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion: 173 Resp: 132456
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.7 58.1
 254 11.0 8.4 12.6

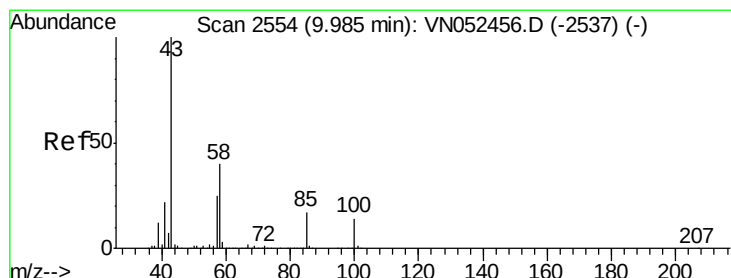
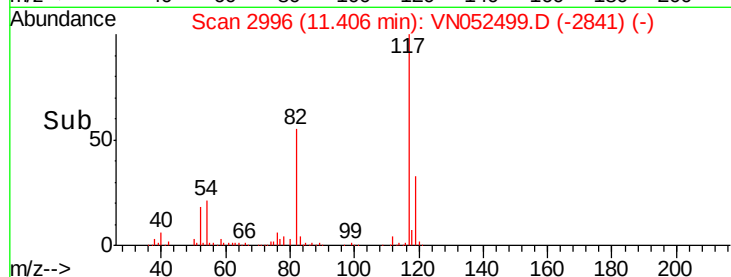
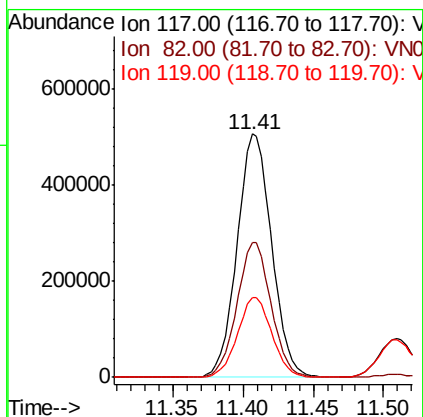
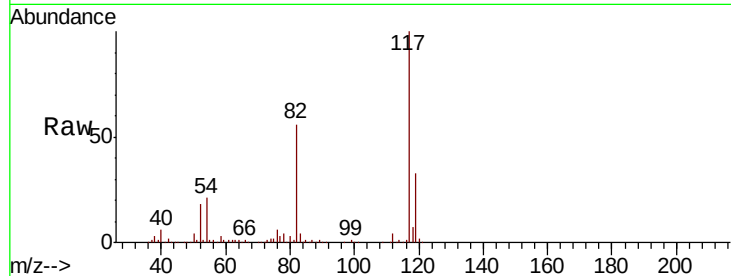




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

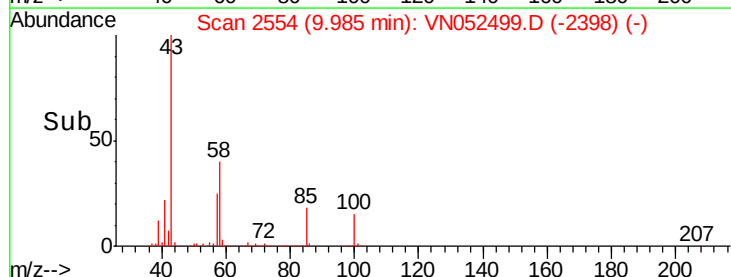
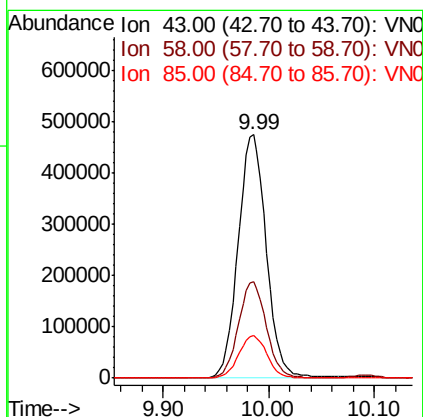
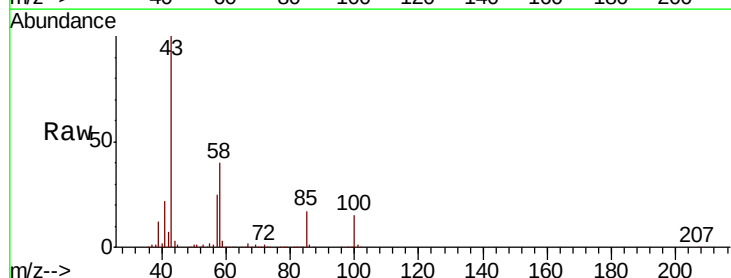
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

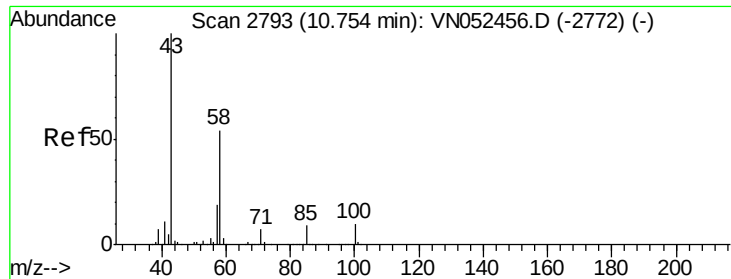
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.2	66.2
119	32.7	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 104.082 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4
85	17.6	13.3	19.9

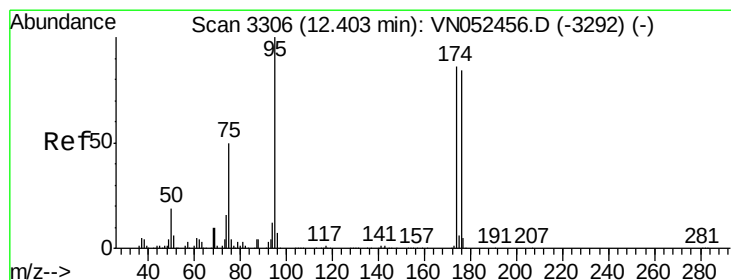
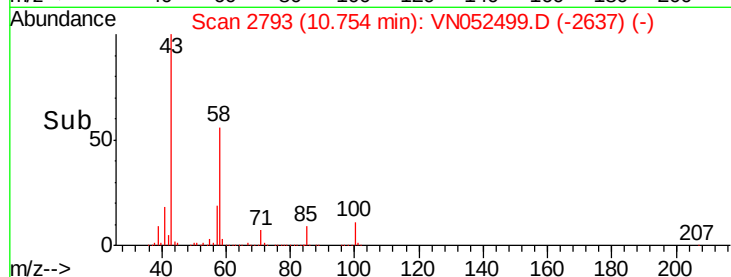
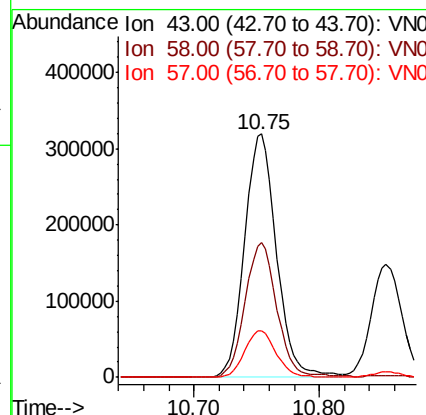
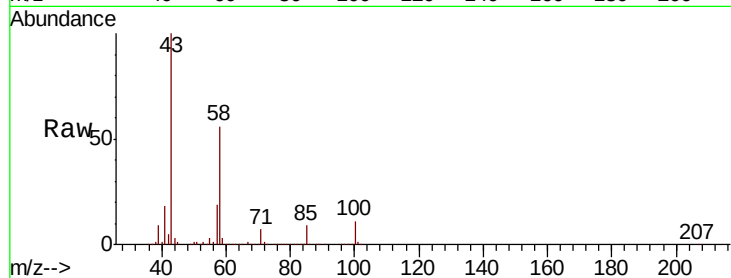




#59
2-Hexanone
Concen: 97.440 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

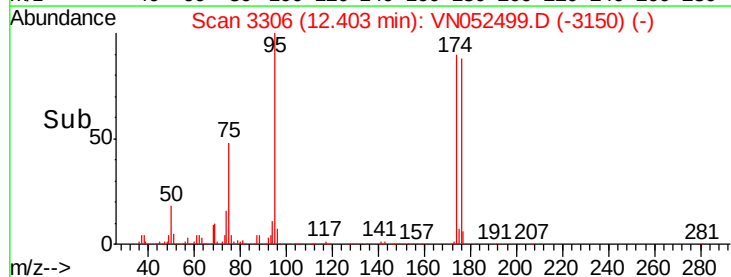
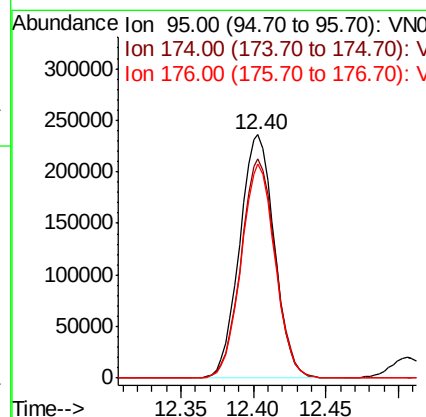
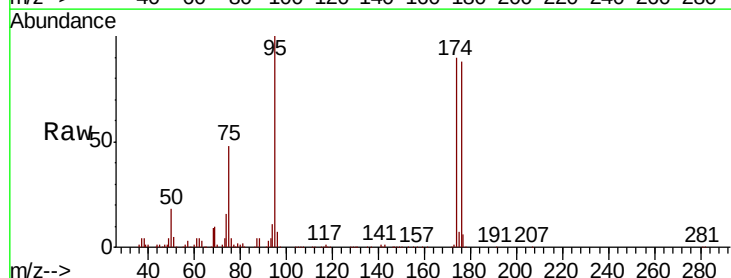
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

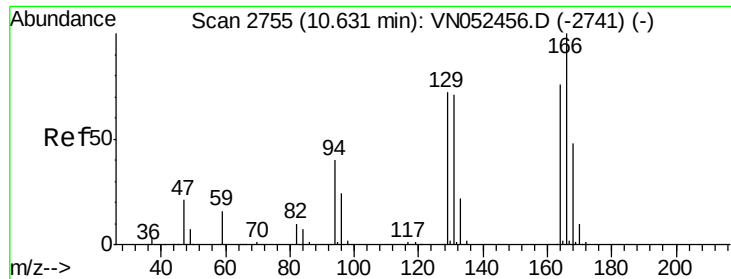
Tot Ion: 43 Resp: 561716
Ion Ratio Lower Upper
43 100
58 55.7 43.2 64.8
57 19.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 97.440 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 95 Resp: 392468
Ion Ratio Lower Upper
95 100
174 89.2 67.9 101.9
176 86.0 66.4 99.6





#61

Tetrachloroethene

Concen: 21.084 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tot Ion:164 Resp: 226035

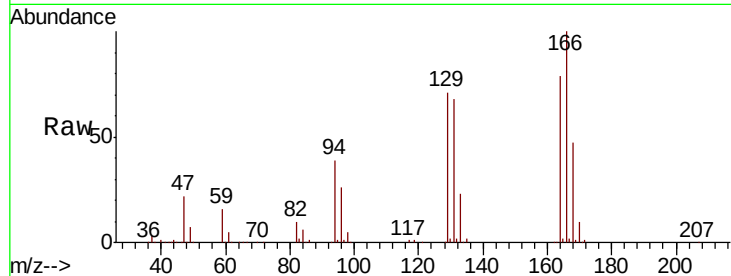
Ion Ratio Lower Upper

164 100

166 126.7 104.6 157.0

129 90.2 75.3 112.9

131 85.7 74.3 111.5

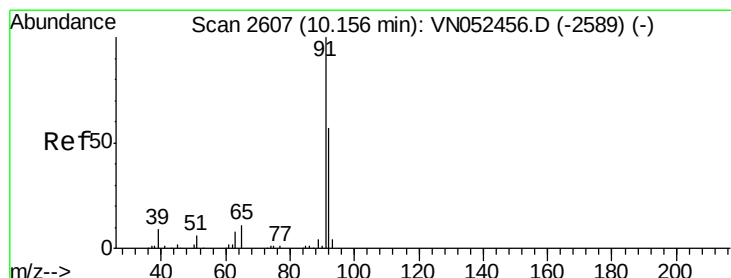
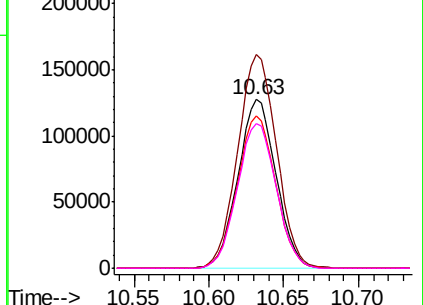
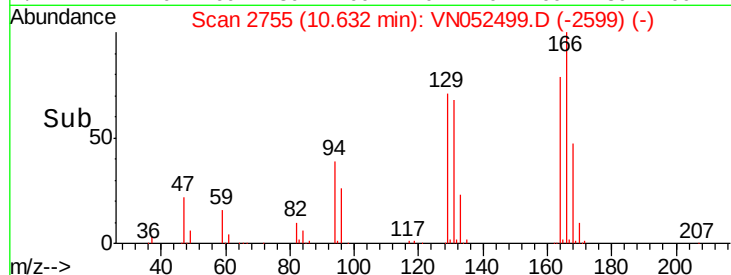


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.204 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052499.D

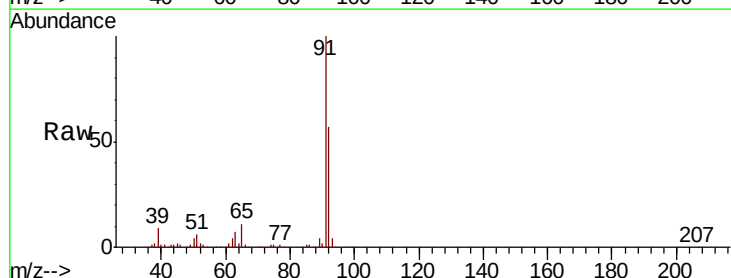
Acq: 28 Nov 2018 1:12

Tgt Ion: 91 Resp: 969520

Ion Ratio Lower Upper

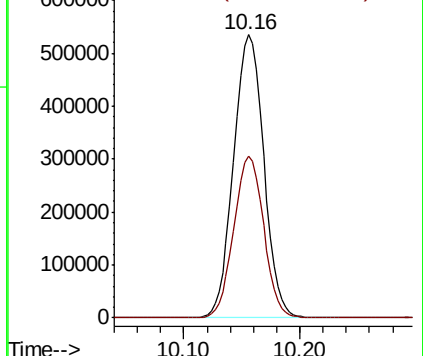
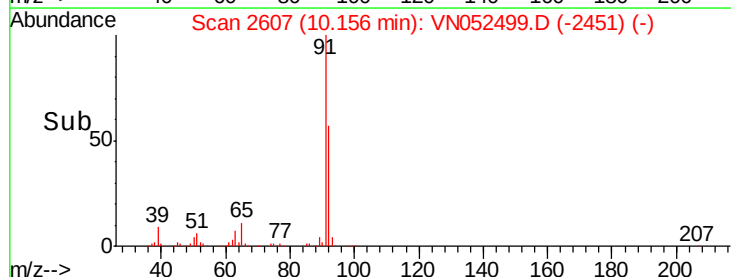
91 100

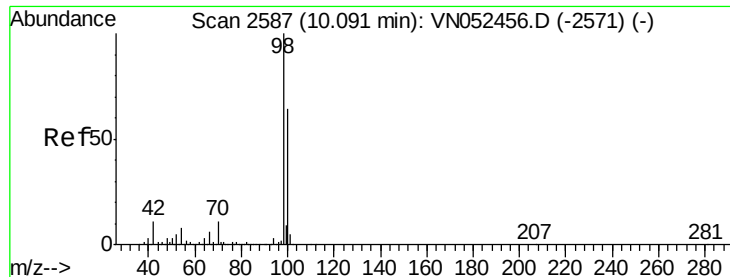
92 56.6 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.204 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

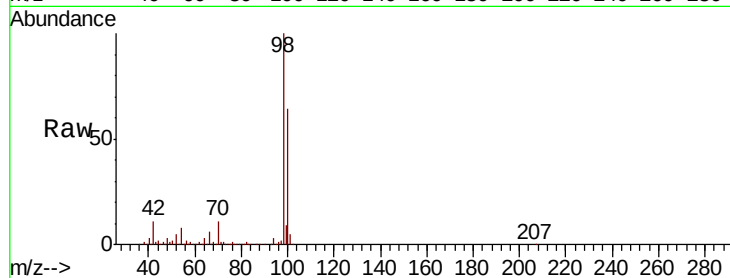
VN1127WBSD02

Tot Ion: 98 Resp: 1214292

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)

10.09

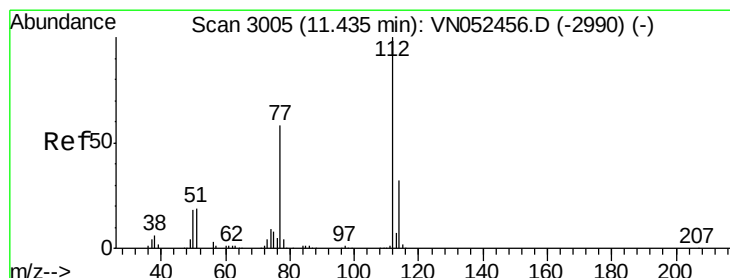
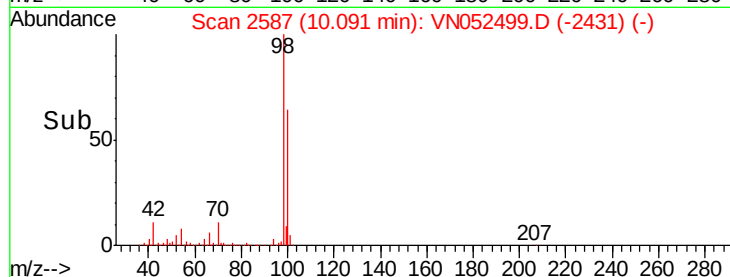
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 19.840 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052499.D

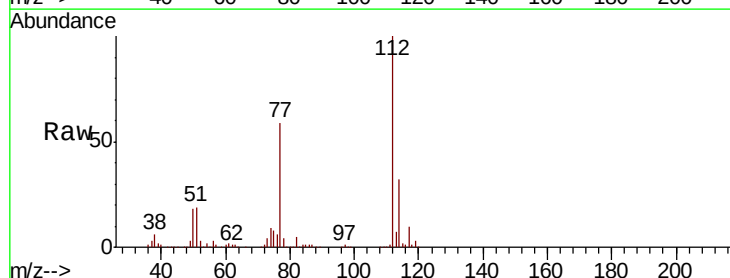
Acq: 28 Nov 2018 1:12

Tgt Ion: 112 Resp: 581089

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)

11.44

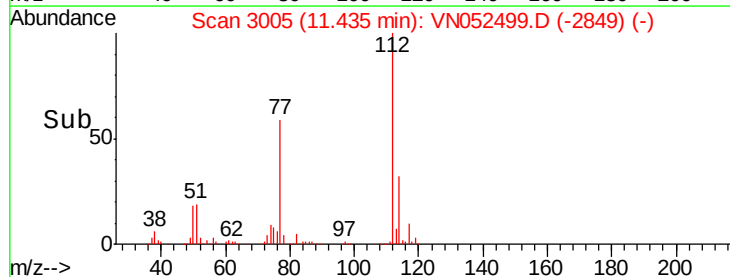
300000

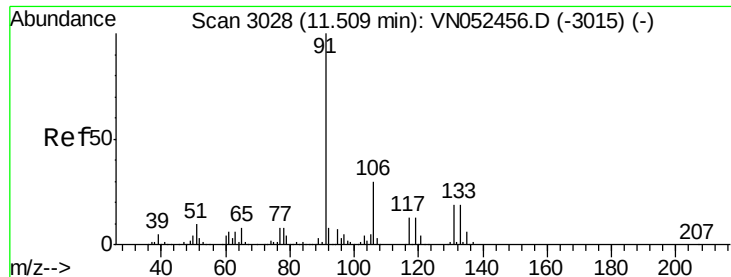
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.814 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

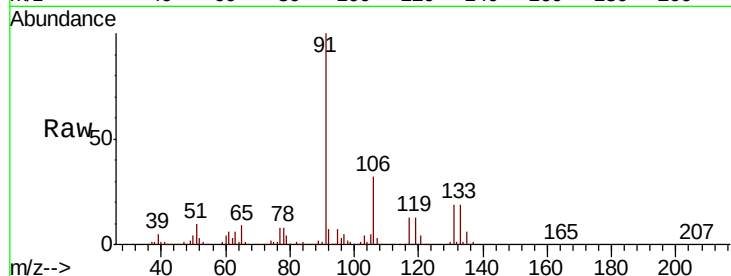
Tot Ion:131 Resp: 201436

Ion Ratio Lower Upper

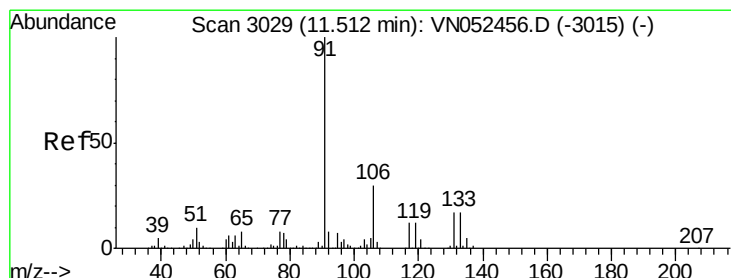
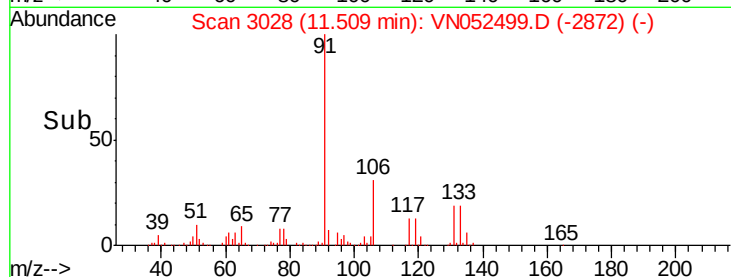
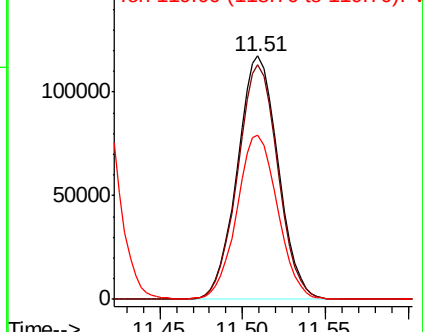
131 100

133 95.4 0.0 193.4

119 67.4 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.765 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052499.D

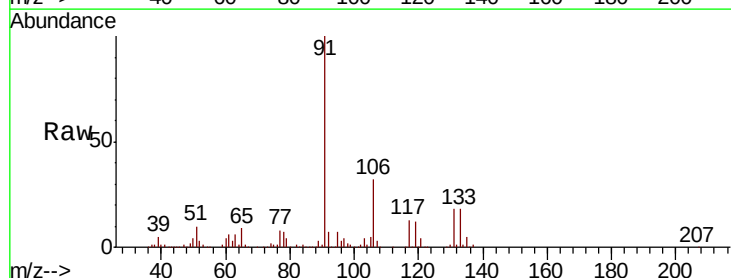
Acq: 28 Nov 2018 1:12

Tgt Ion: 91 Resp: 1022217

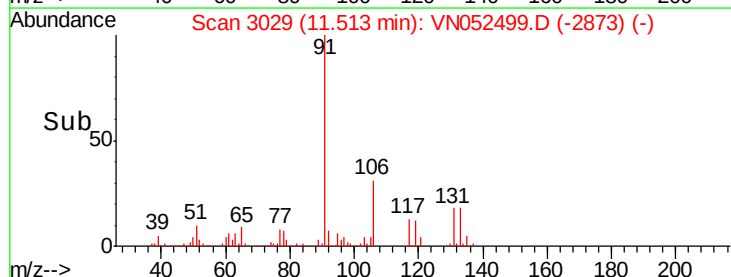
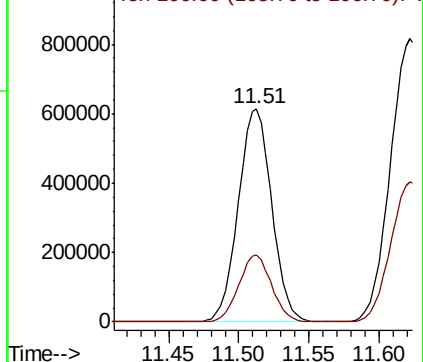
Ion Ratio Lower Upper

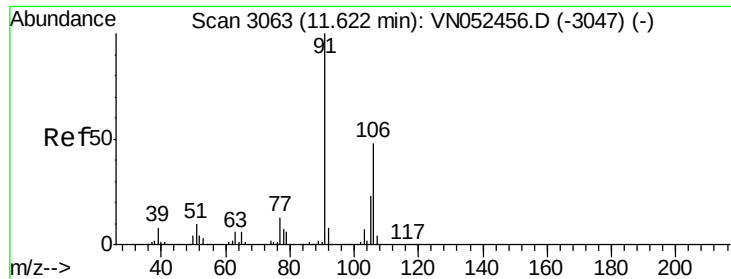
91 100

106 31.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V

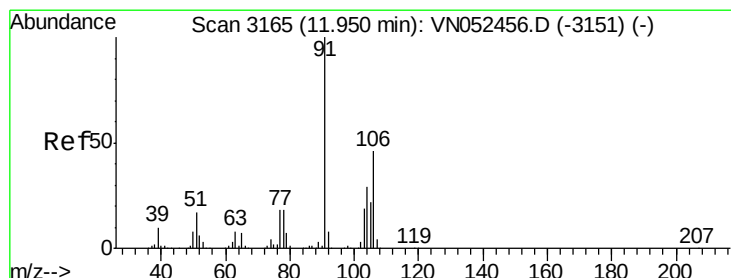
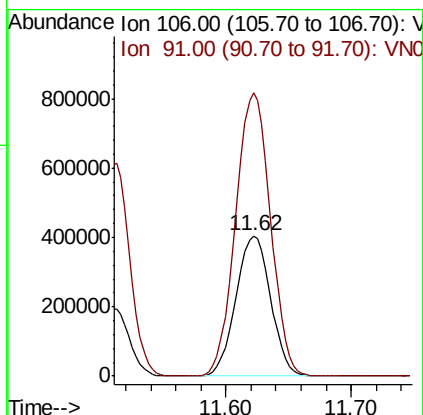
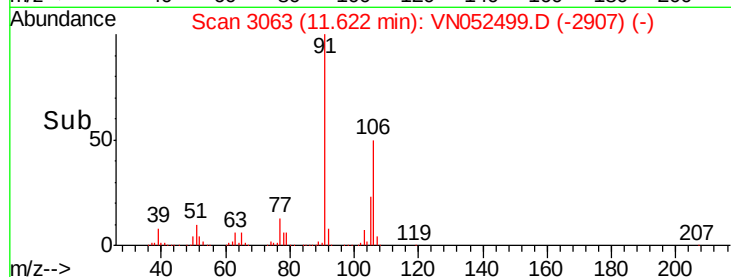
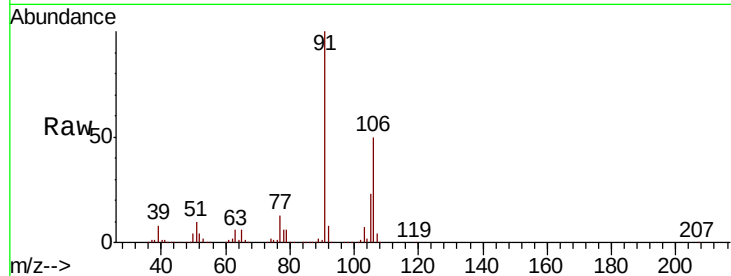




#67
m/p-Xylenes
Concen: 40.340 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

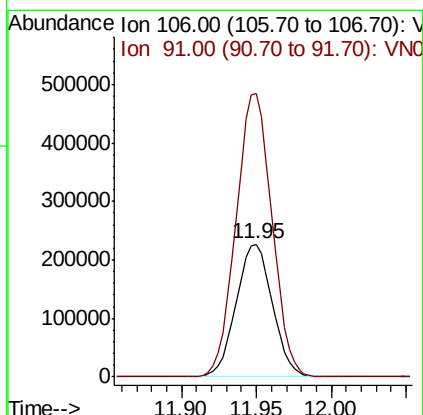
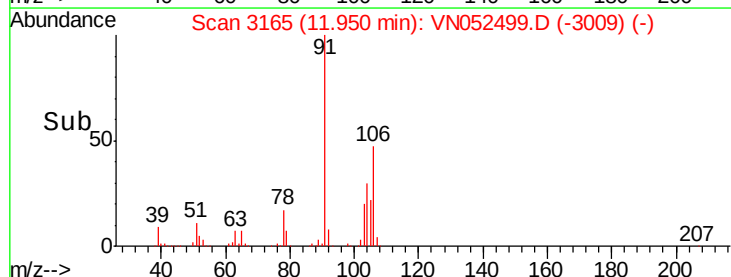
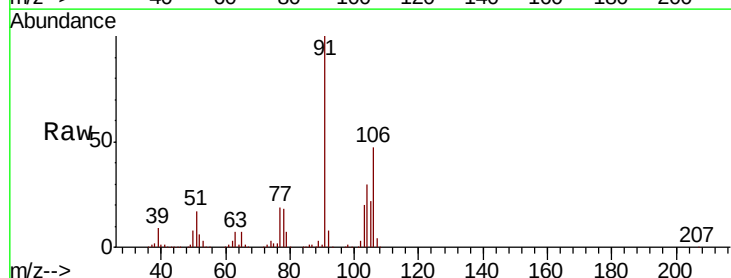
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

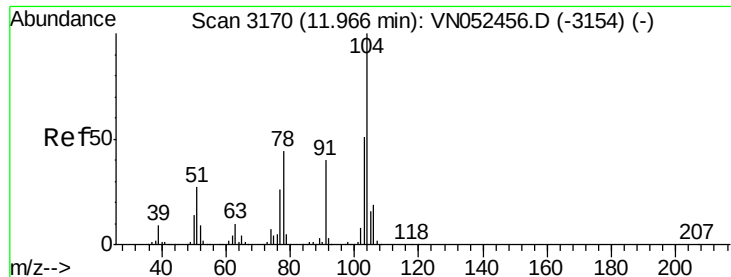
Tot Ion:106 Resp: 777255
Ion Ratio Lower Upper
106 100
91 202.9 163.9 245.9



#68
o-Xylene
Concen: 20.431 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion:106 Resp: 382094
Ion Ratio Lower Upper
106 100
91 212.5 107.8 323.4

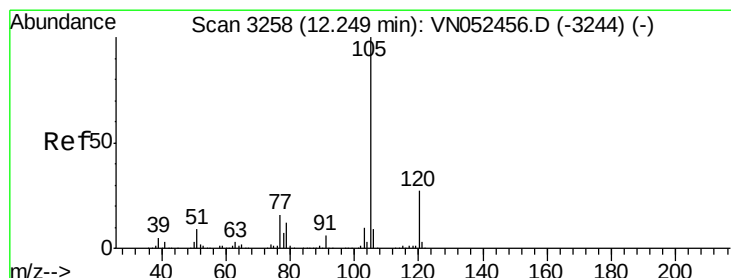
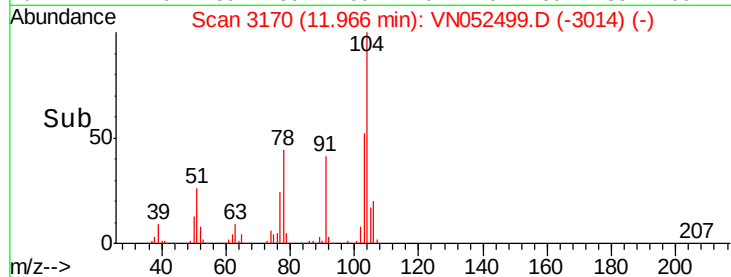
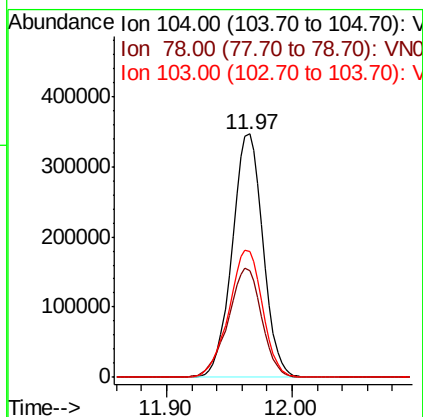
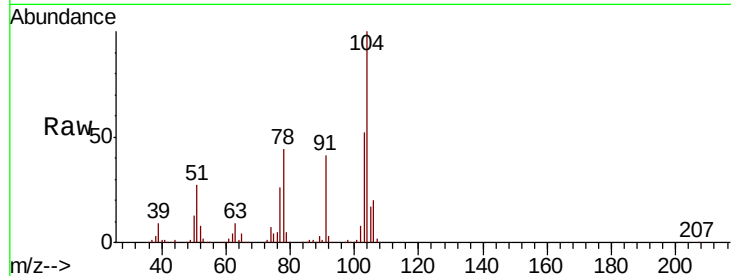




#69
Stvrene
Concen: 19.608 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

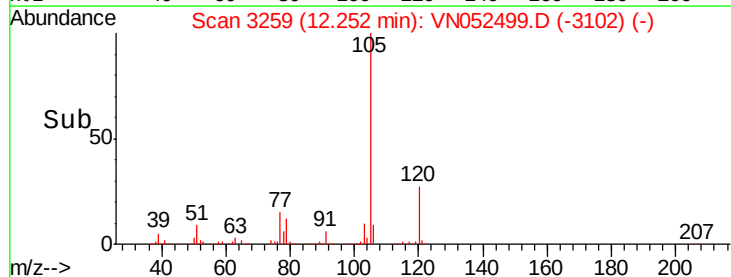
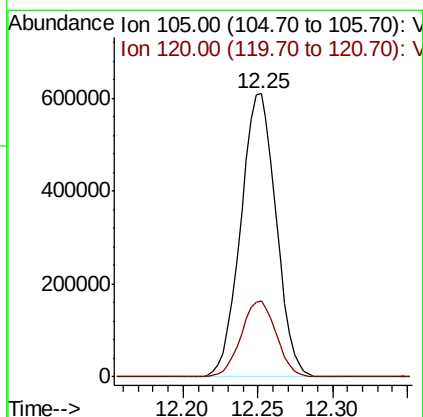
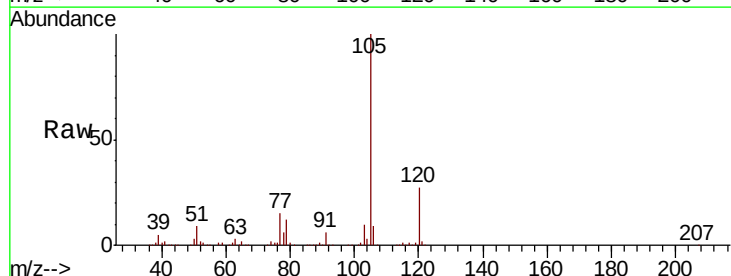
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

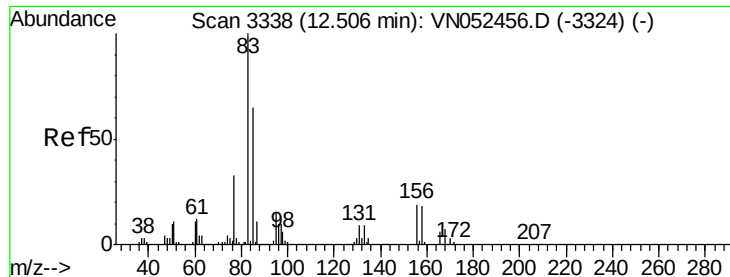
Tot Ion:104 Resp: 591872
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 56.8 44.6 66.8



#70
Isopropylbenzene
Concen: 20.130 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion:105 Resp: 1001629
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.6

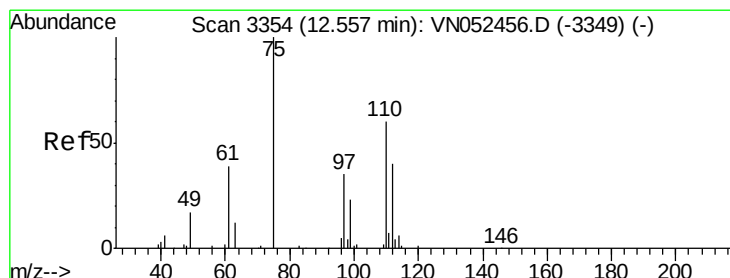
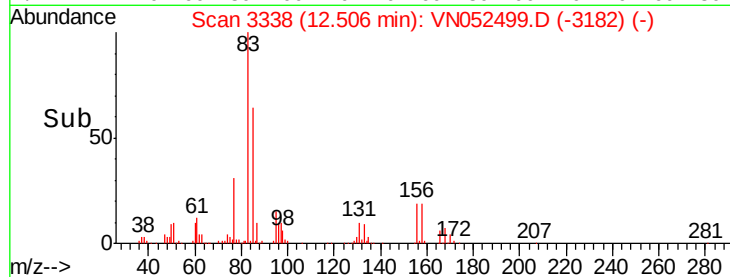
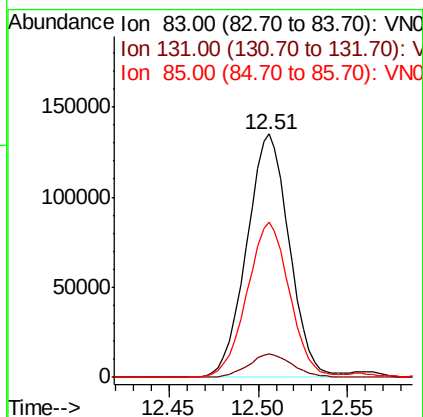
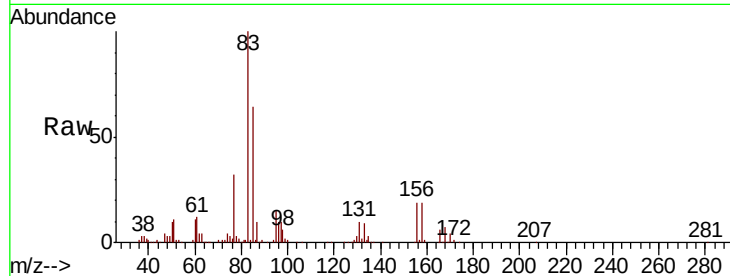




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.796 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

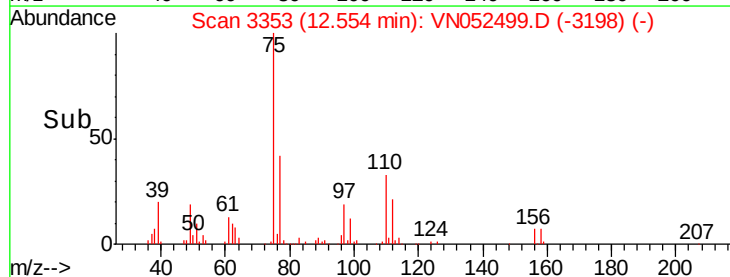
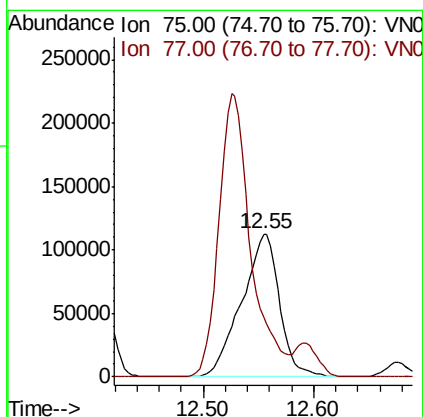
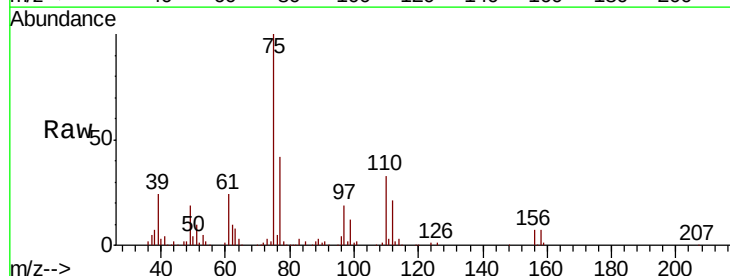
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

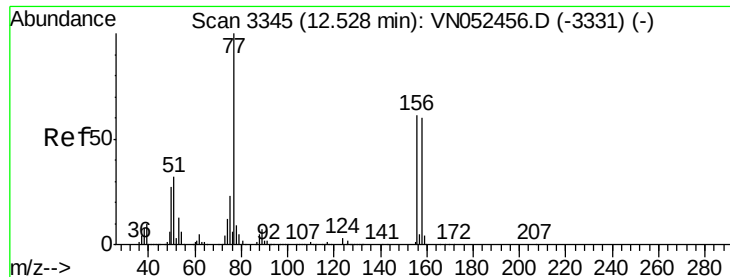
Tot Ion	83	Resp	225090
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	63.6	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 28.893 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	75	Resp	268458
Ion Ratio	Lower	Upper	
75	100		
77	166.4	0.0	514.8





#73

Bromobenzene

Concen: 20.144 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

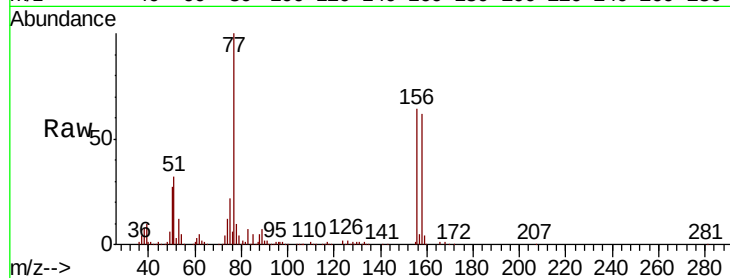
Tot Ion:156 Resp: 242421

Ion Ratio Lower Upper

156 100

77 184.3 0.0 382.6

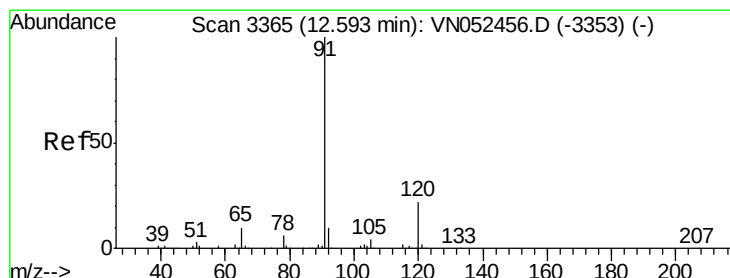
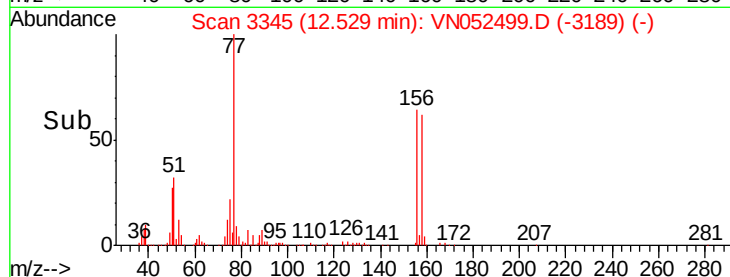
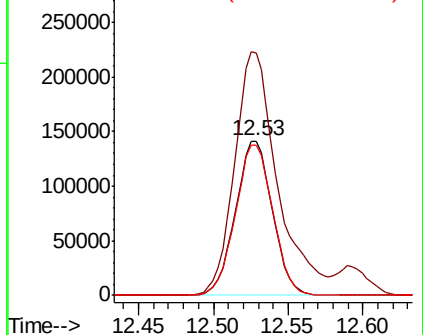
158 98.4 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.415 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052499.D

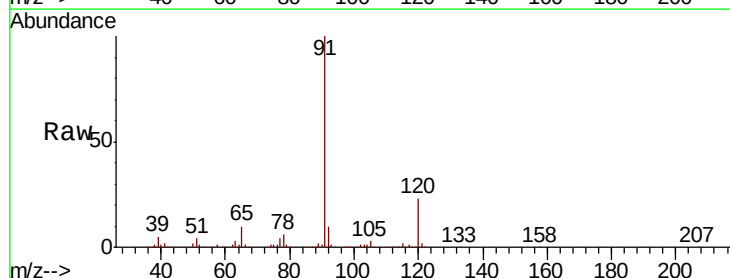
Acq: 28 Nov 2018 1:12

Tgt Ion: 91 Resp: 1125596

Ion Ratio Lower Upper

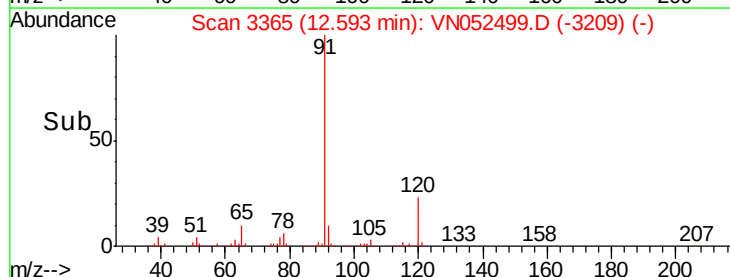
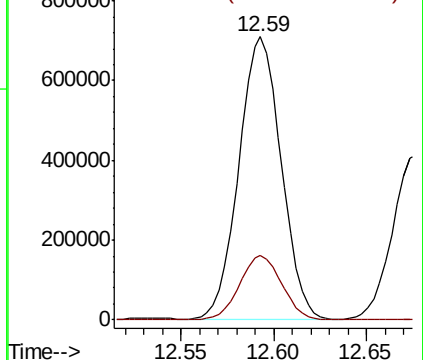
91 100

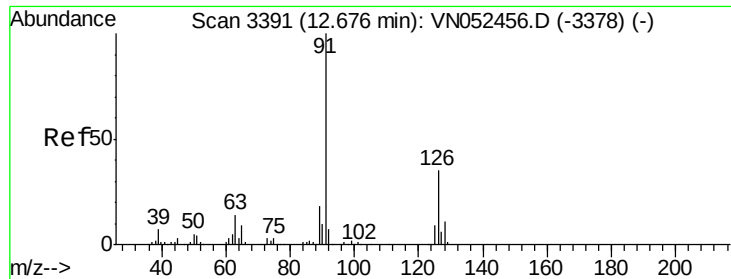
120 22.6 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.124 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

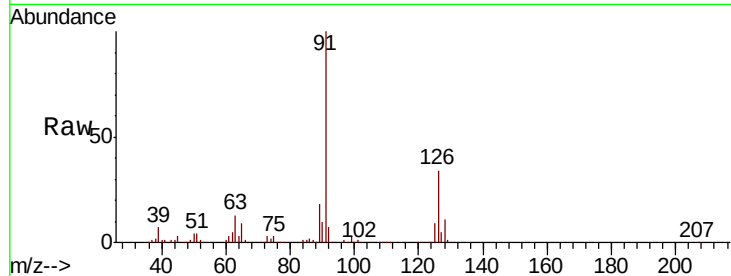
VN1127WBSD02

Tot Ion: 91 Resp: 677198

Ion Ratio Lower Upper

91 100

126 33.8 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)

800000

600000

400000

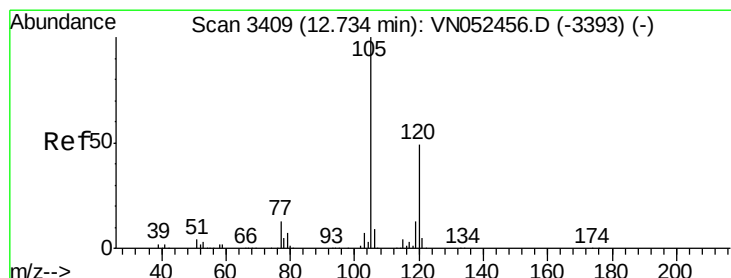
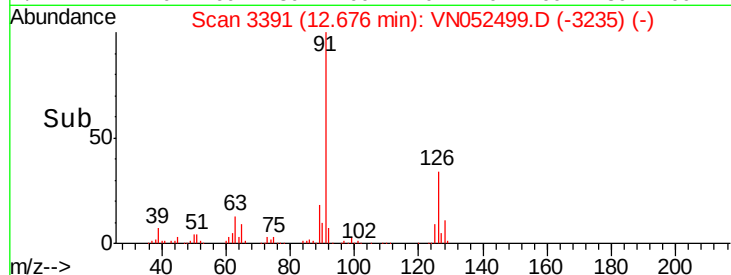
200000

0

12.60 12.65 12.70

12.68

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.074 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052499.D

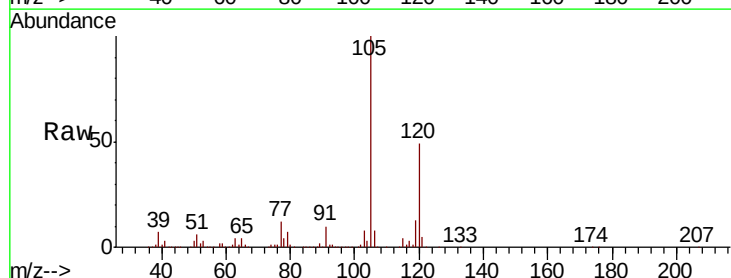
Acq: 28 Nov 2018 1:12

Tgt Ion: 105 Resp: 806797

Ion Ratio Lower Upper

105 100

120 49.2 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)

600000

500000

400000

300000

200000

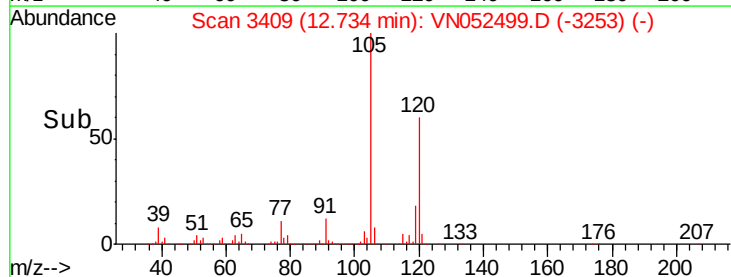
100000

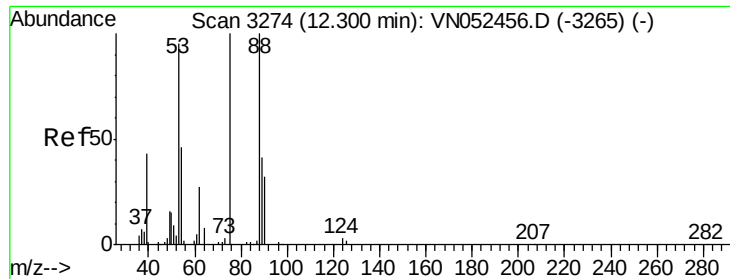
0

12.65 12.70 12.75 12.80

12.73

Time-->



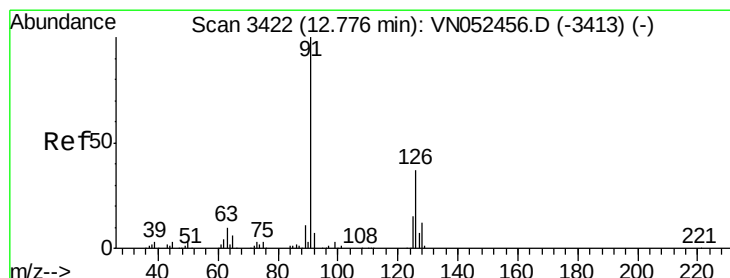
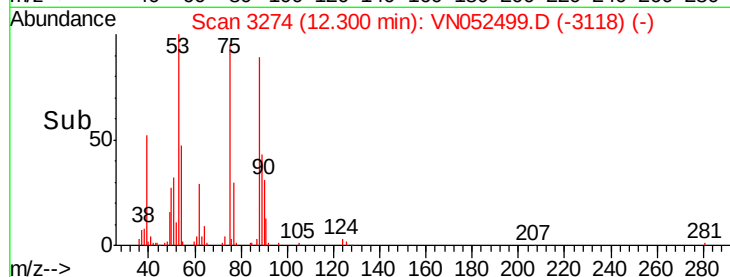
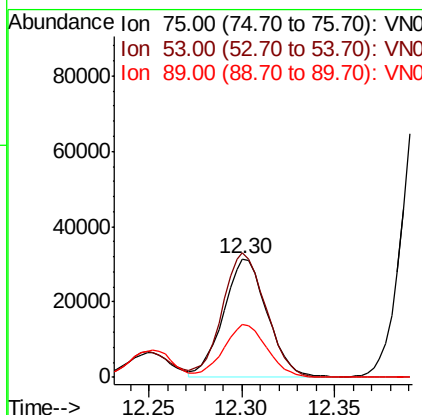
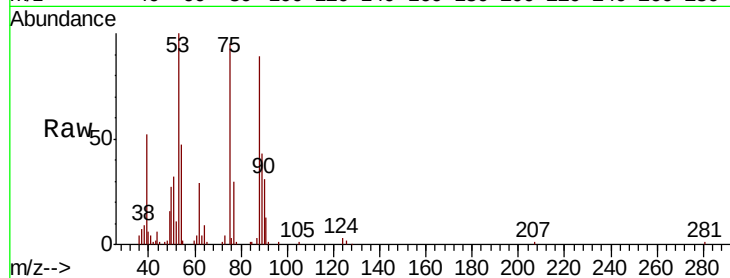


#77
t-1,4-Dichloro-2-butene
Concen: 17.621 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tot Ion: 75 Resp: 51722

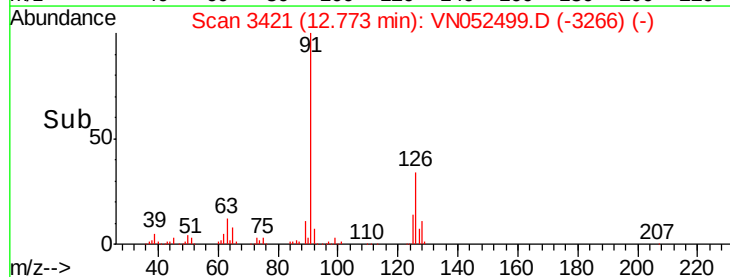
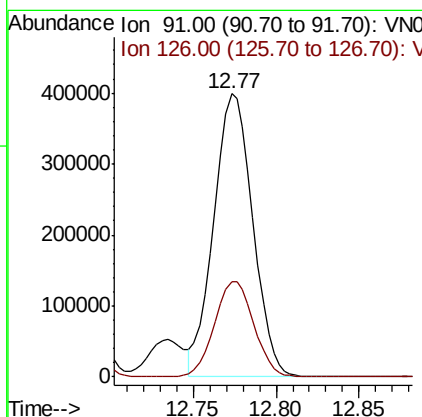
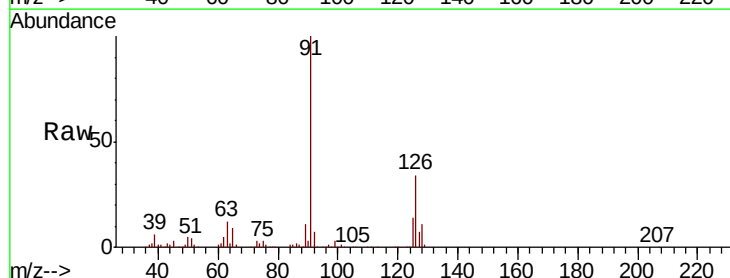
Ion	Ratio	Lower	Upper
75	100		
53	105.2	48.5	145.6
89	45.1	21.7	65.1

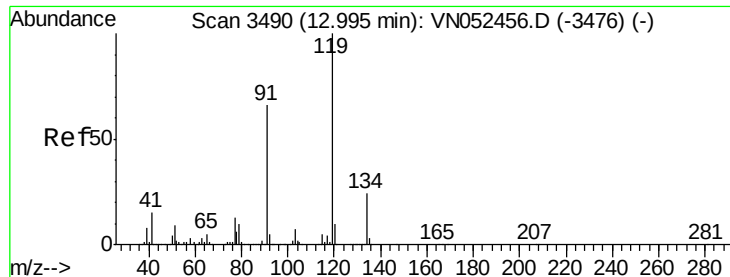


#78
4-Chlorotoluene
Concen: 19.430 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 91 Resp: 652948

Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	68.2

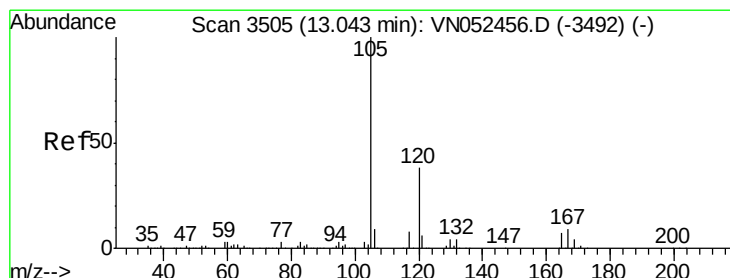
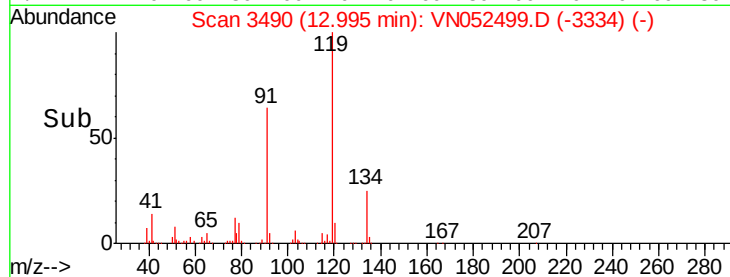
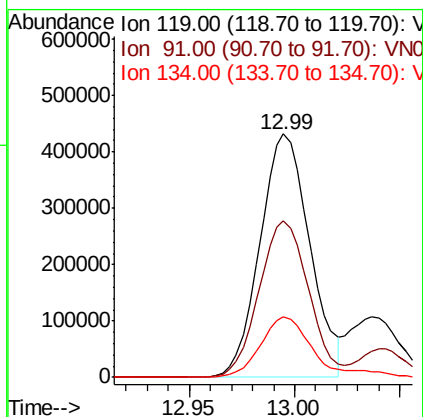
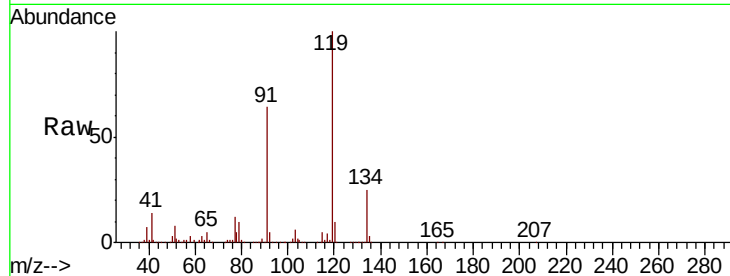




#79
tert-butylbenzene
Concen: 20.343 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

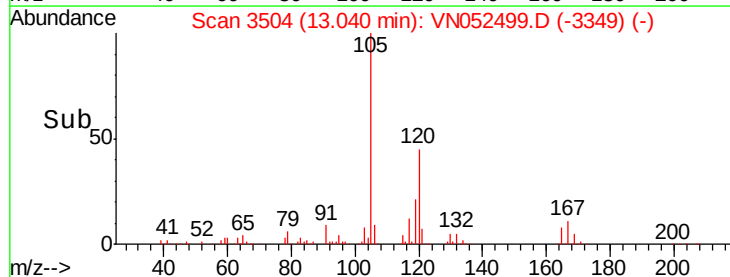
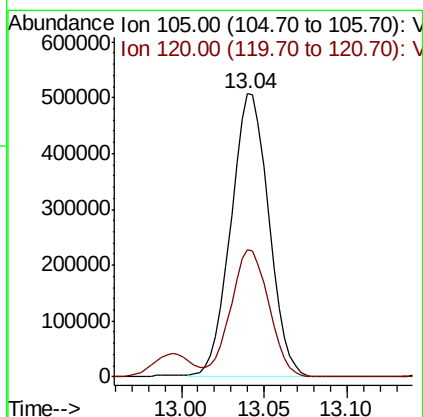
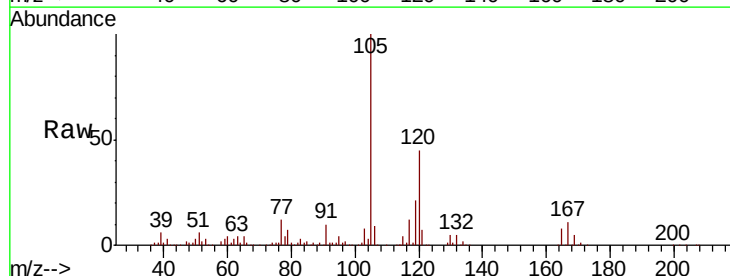
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

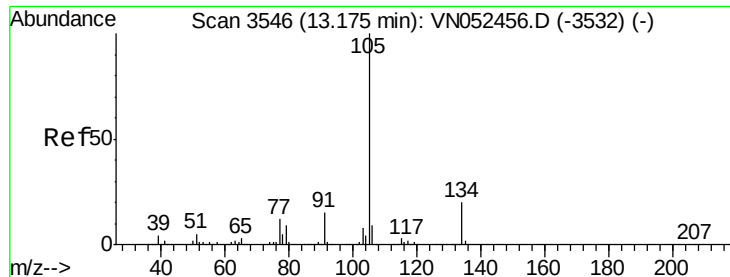
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	0.0	129.8
134	26.4	0.0	52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.068 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	0.0	91.0





#81

sec-Butylbenzene

Concen: 19.608 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

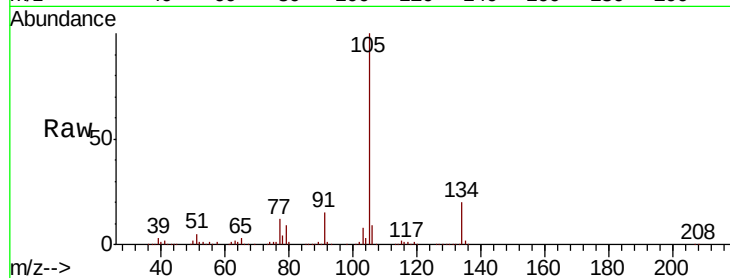
VN1127WBSD02

Tot Ion:105 Resp: 955906

Ion Ratio Lower Upper

105 100

134 20.1 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

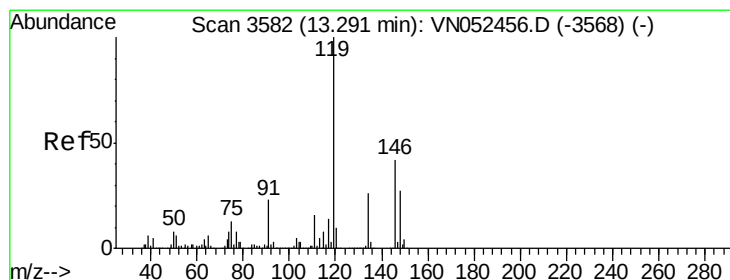
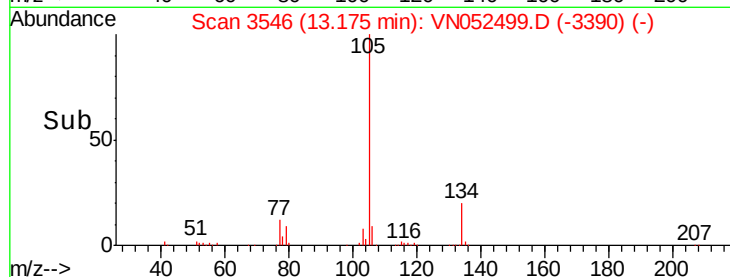
600000

400000

200000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.559 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

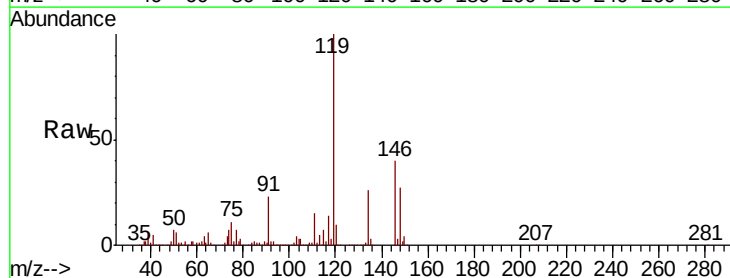
Tgt Ion:119 Resp: 811936

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.6

91 22.7 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

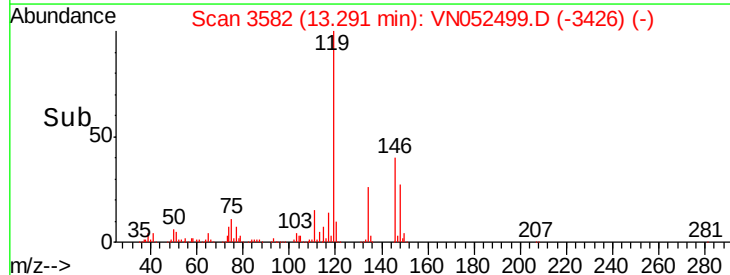
600000

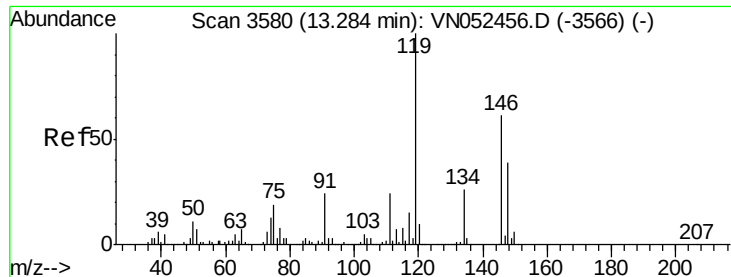
400000

200000

0

Time-->

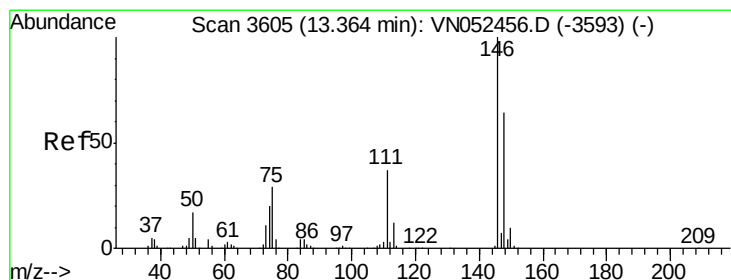
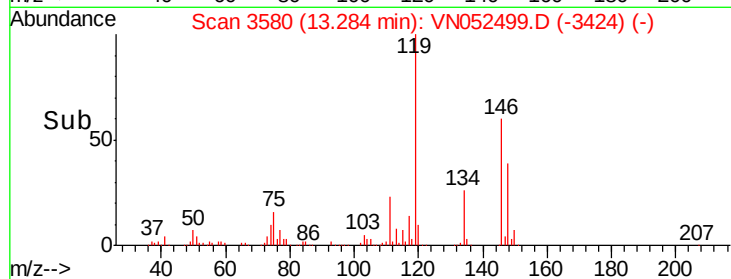
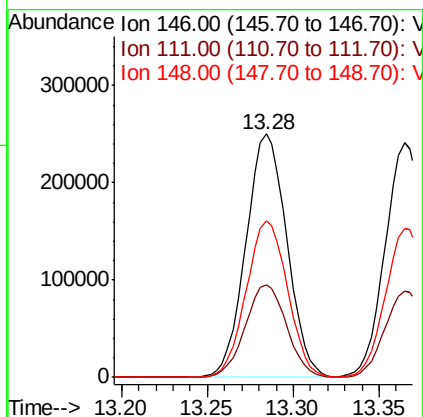
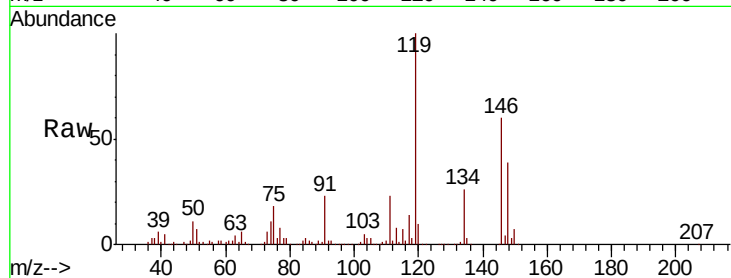




#83
 1,3-Dichlorobenzene
 Concen: 19.506 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

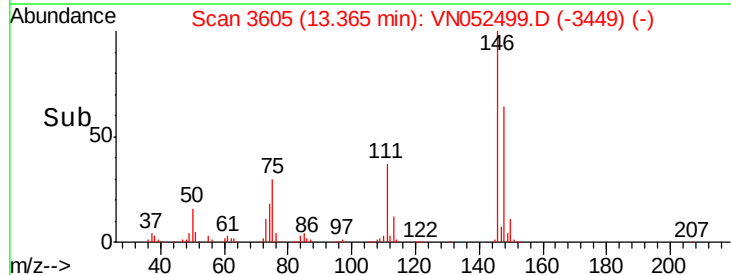
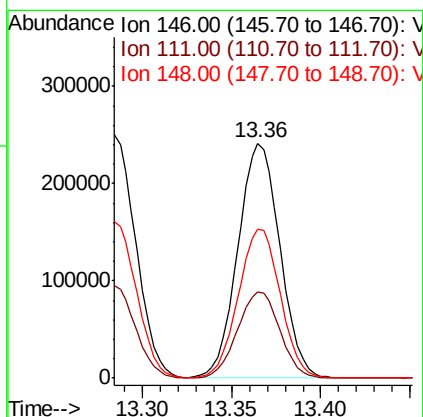
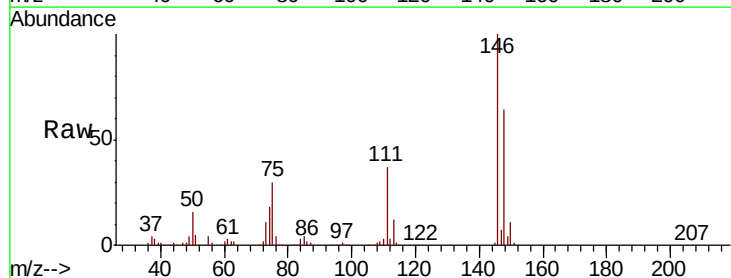
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

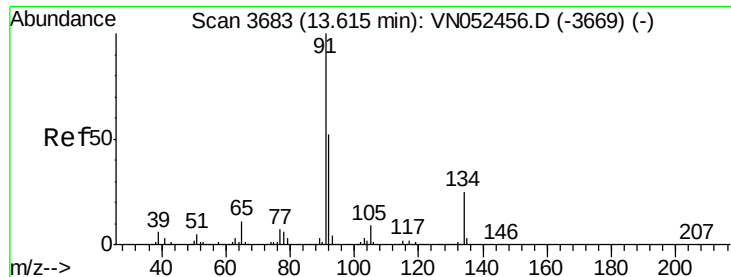
Tot Ion:146 Resp: 412855
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.7 59.0
 148 65.1 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 19.448 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion:146 Resp: 397689
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.3
 148 63.6 32.5 97.4





#85

n-Butylbenzene

Concen: 17.951 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampled :

VN1127WBSD02

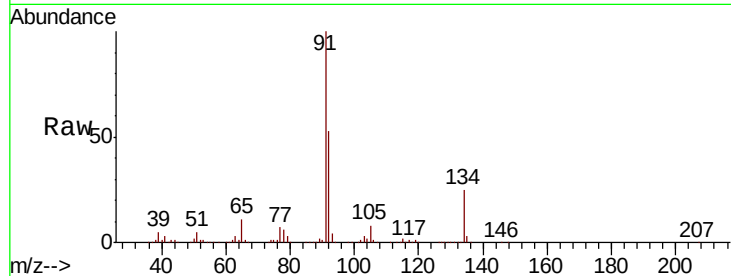
Tot Ion: 91 Resp: 640091

Ion Ratio Lower Upper

91 100

92 53.1 0.0 104.2

134 25.6 0.0 50.6

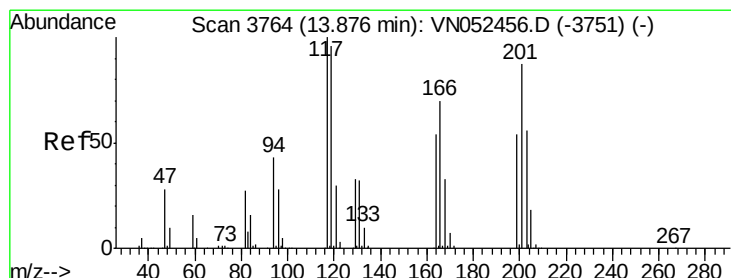
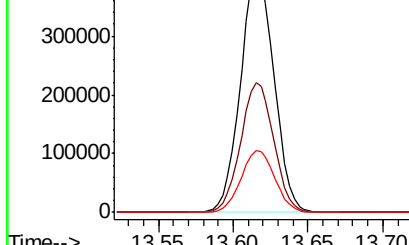
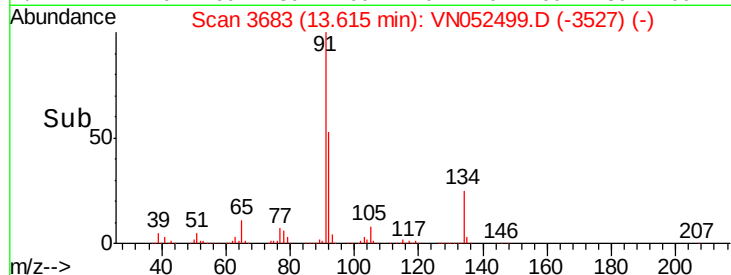


Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN052456.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN052456.D (-3669) (-)

13.62



#86

Hexachloroethane

Concen: 18.564 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052499.D

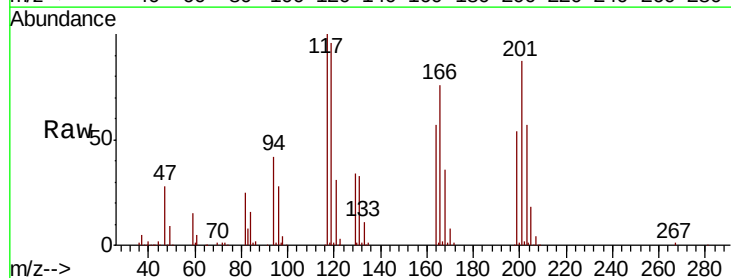
Acq: 28 Nov 2018 1:12

Tgt Ion: 117 Resp: 130578

Ion Ratio Lower Upper

117 100

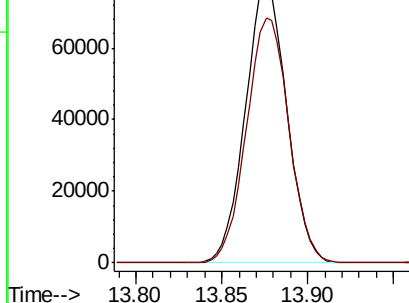
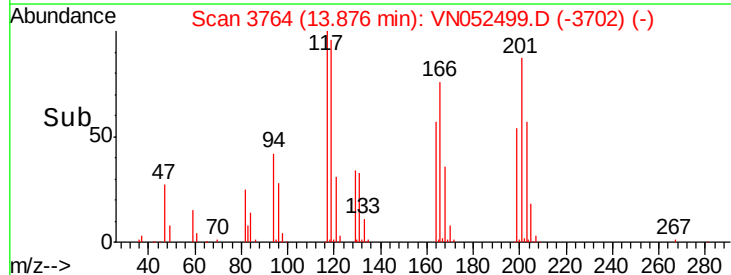
201 89.4 43.8 131.3

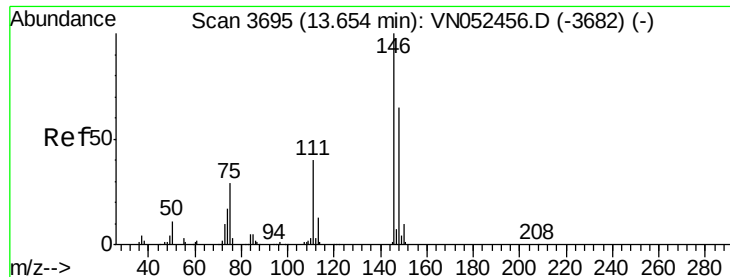


Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052456.D (-3751) (-)

13.88

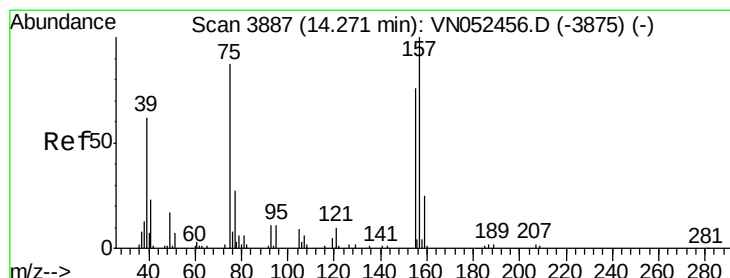
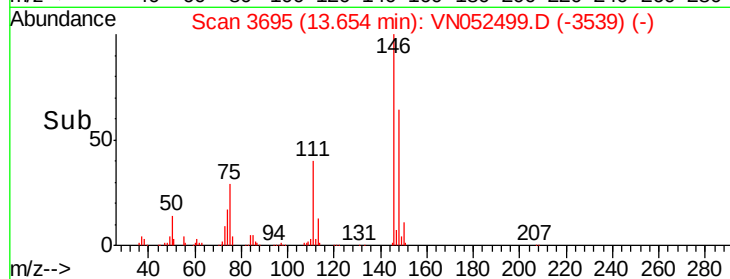
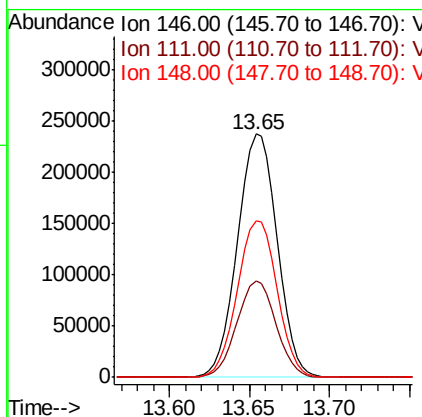
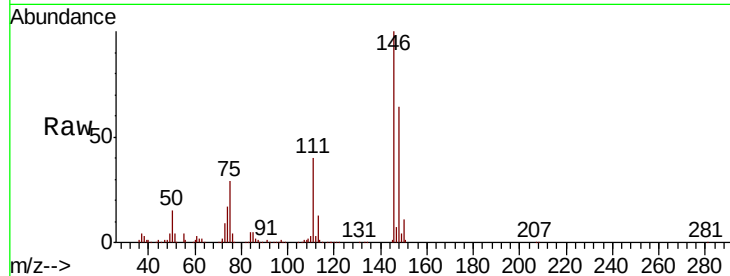




#87
 1,2-Dichlorobenzene
 Concen: 19.955 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

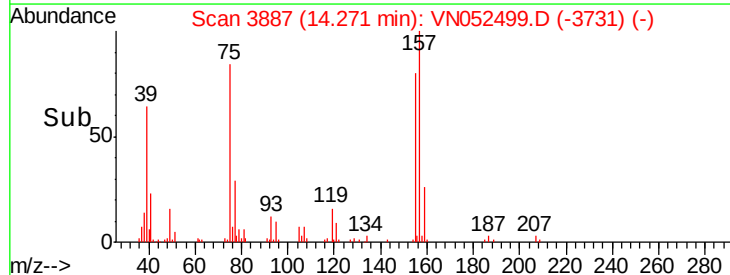
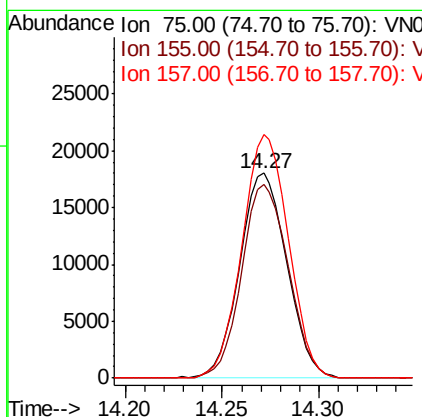
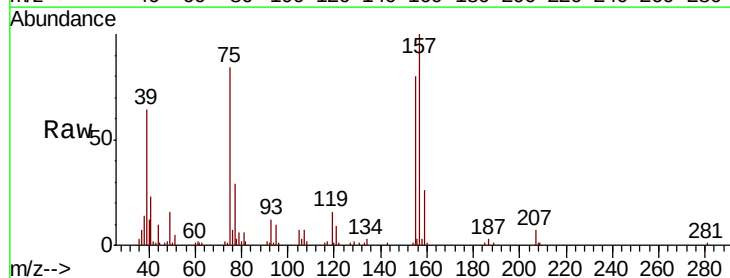
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

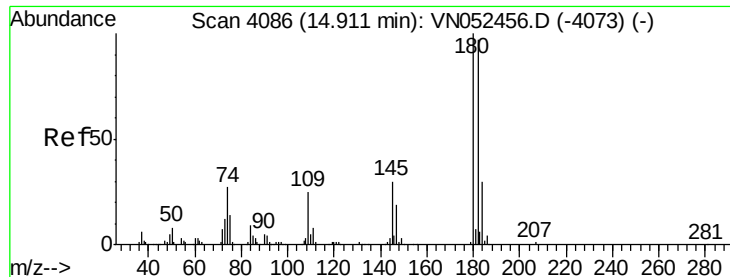
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.3	60.8
148	64.5	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.216 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	72.2	108.2
157	117.0	94.2	141.2

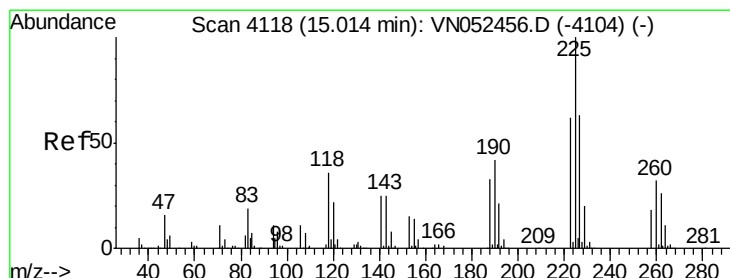
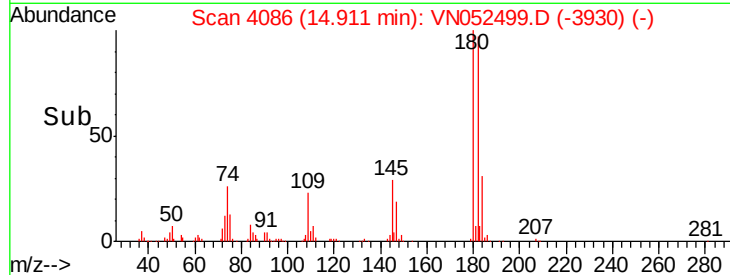
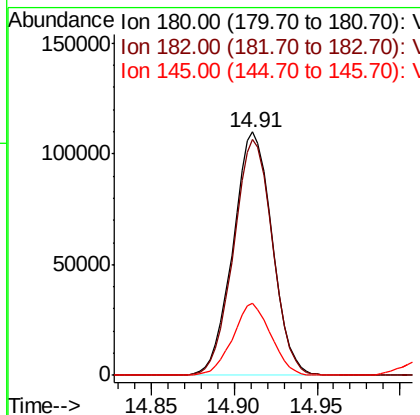
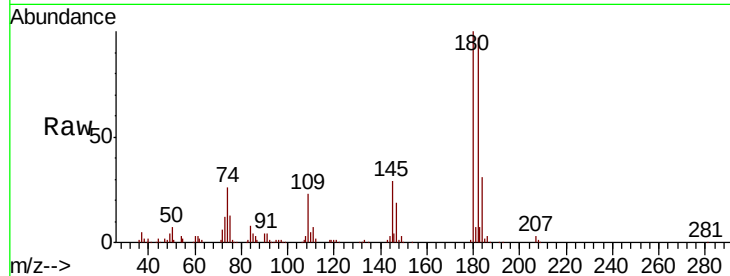




#89
 1,2,4-Trichlorobenzene
 Concen: 18.194 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

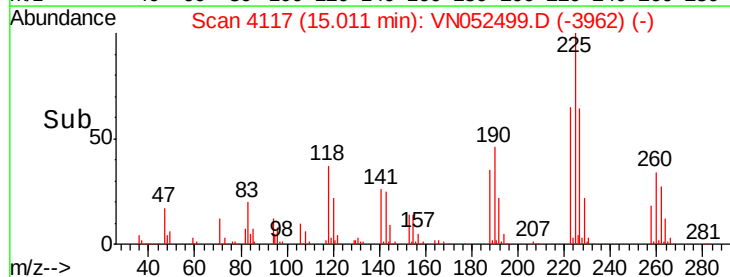
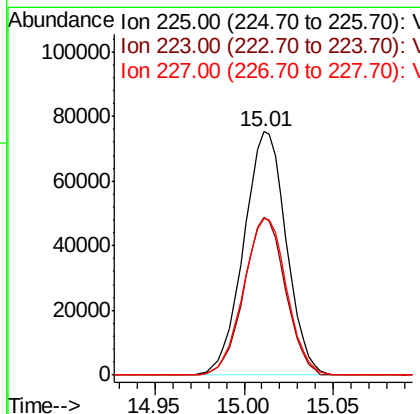
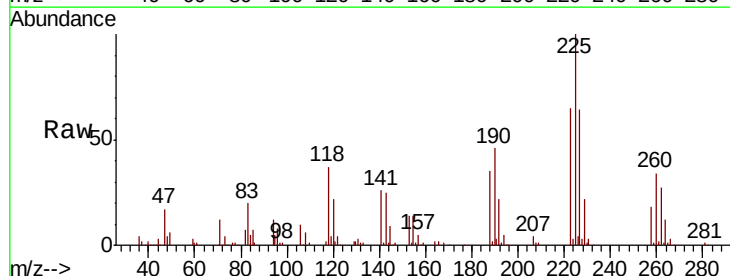
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

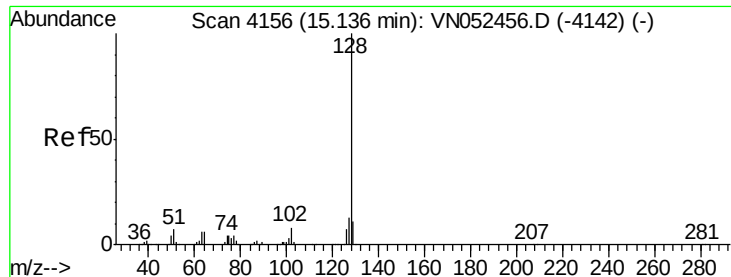
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
145	28.7	23.6	35.4



#90
 Hexachlorobutadiene
 Concen: 19.265 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	125.6
227	65.2	0.0	127.8

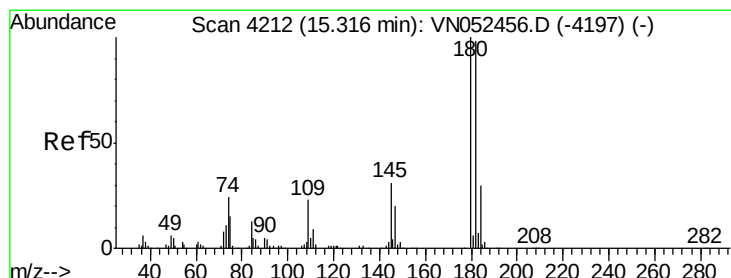
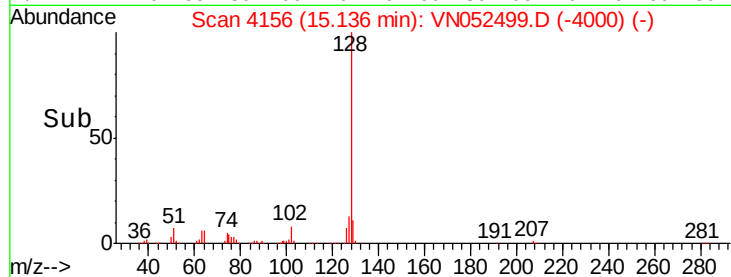
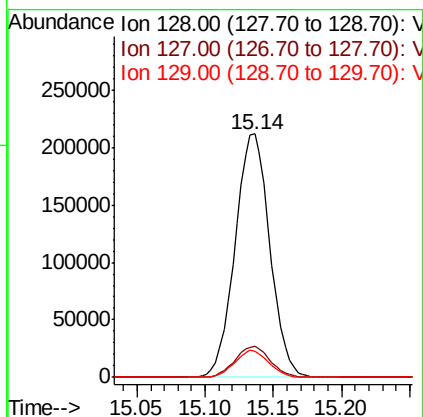
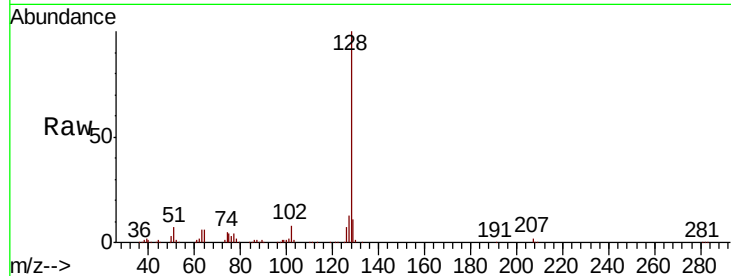




#91
Naphthalene
Concen: 18.670 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tot Ion:128 Resp: 374132
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 11.0 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 18.894 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion:180 Resp: 172781
Ion Ratio Lower Upper
180 100
182 95.0 0.0 196.2
145 30.2 0.0 62.2

