

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052581.D
 Acq On : 29 Nov 2018 23:17
 Operator : MD\SY
 Sample : VN1129WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

Quant Time: Nov 30 04:02:46 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	174927	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1009757	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	876528	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	354446	29.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.13%
60) 4-Bromofluorobenzene	12.40	95	396085	29.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.53%
63) Toluene-d8	10.09	98	1207577	29.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	178597	17.927	ug/l 100
3) Chloromethane	2.06	50	232828	17.622	ug/l 97
4) Vinyl Chloride	2.19	62	247025	18.524	ug/l 97
5) Bromomethane	2.58	94	149136	19.614	ug/l 97
6) Chloroethane	2.71	64	148758	18.758	ug/l 99
7) Trichlorofluoromethane	3.02	101	311635	18.935	ug/l 98
8) Diethyl Ether	3.41	74	116870	19.231	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	191150	18.322	ug/l 97
10) 1,1-Dichloroethene	3.74	96	187897	19.155	ug/l 97
11) Methyl Iodide	3.96	142	266091	19.537	ug/l 97
12) Methyl Acetate	4.33	43	156029	18.720	ug/l 100
13) Acrolein	3.61	56	88805	90.705	ug/l 100
14) Acrylonitrile	4.99	53	337638	95.074	ug/l 99
15) Acetone	3.82	58	76480	83.157	ug/l 96
16) Carbon Disulfide	4.06	76	541688	17.442	ug/l 99
17) Allyl chloride	4.33	41	308733	18.047	ug/l 96
18) Methylene Chloride	4.55	84	215944	19.013	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	202006	19.135	ug/l 94
20) Diisopropyl ether	5.95	45	670870	18.661	ug/l 99
21) 1,1-Dichloroethane	5.85	63	388860	18.978	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	230681	19.067	ug/l 98
23) tert-Butyl Alcohol	4.78	59	55553	105.156	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	508463	19.758	ug/l 100
25) Chloroform	7.37	83	379545	19.200	ug/l 100
26) Cyclohexane	7.65	56	347891	18.001	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	290434	18.835	ug/l 99
30) 2-Butanone	6.83	43	370401	89.769	ug/l 99
31) 2,2-Dichloropropane	6.83	77	242634	17.092	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	310626	19.360	ug/l 98
33) Carbon Tetrachloride	7.78	117	266419	18.977	ug/l 100
34) Benzene	8.04	78	881456	19.013	ug/l 100
35) Methacrylonitrile	7.17	41	92989	18.164	ug/l 97
36) 1,2-Dichloroethane	8.13	62	269475	19.182	ug/l 99
37) Trichloroethene	8.84	130	227011	19.310	ug/l 98
38) Methylcyclohexane	9.08	83	342152	17.924	ug/l 97
39) 1,2-Dichloropropane	9.12	63	230442	18.543	ug/l 97
40) Dibromomethane	9.21	93	130653	19.455	ug/l 97

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

Quant Time: Nov 30 04:02:46 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	279779	18.856	ug/l	99
42) Vinyl Acetate	5.90	43	2079551	93.149	ug/l	98
43) Ethyl Acetate	6.93	43	165223	18.831	ug/l #	72
44) Isopropyl Acetate	8.17	43	308951	20.078	ug/l #	80
45) 1,4-Dioxane	9.20	88	36352	431.837	ug/l	95
46) Methyl methacrylate	9.20	41	154646	19.356	ug/l	98
47) n-amyl Acetate	12.07	43	235148	18.431	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	261777	18.196	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	320212	18.269	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	187352	19.681	ug/l	99
51) Ethyl methacrylate	10.43	69	233493	19.529	ug/l	95
52) 1,3-Dichloropropane	10.71	76	325352	19.201	ug/l	99
53) Dibromochloromethane	10.90	129	200347	19.116	ug/l	98
54) 1,2-Dibromoethane	11.01	107	182948	19.667	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	669861	95.716	ug/l	99
56) Bromoform	12.13	173	131627	19.214	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	850279	100.060	ug/l	99
59) 2-Hexanone	10.75	43	546450	94.136	ug/l	98
61) Tetrachloroethene	10.63	164	222169	20.580	ug/l	97
62) Toluene	10.16	91	931571	19.279	ug/l	100
64) Chlorobenzene	11.44	112	567276	19.234	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	198582	19.398	ug/l	99
66) Ethyl Benzene	11.51	91	986725	18.947	ug/l	98
67) m/p-Xylenes	11.62	106	744682	38.382	ug/l	99
68) o-Xylene	11.95	106	365277	19.397	ug/l	99
69) Styrene	11.97	104	579791	19.075	ug/l	100
70) Isopropylbenzene	12.25	105	969699	19.353	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	217057	19.915	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	260874	27.882	ug/l	48
73) Bromobenzene	12.53	156	238728	19.700	ug/l	94
74) n-propylbenzene	12.59	91	1081533	18.526	ug/l	99
75) 2-Chlorotoluene	12.68	91	647068	19.095	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	778445	19.235	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	50144	16.966	ug/l	94
78) 4-Chlorotoluene	12.78	91	629626	18.606	ug/l	100
79) tert-butylbenzene	12.99	119	688118	19.524	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	777403	19.197	ug/l	100
81) sec-Butylbenzene	13.17	105	918865	18.717	ug/l	100
82) p-Isopropyltoluene	13.29	119	780610	18.674	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	401550	18.841	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	390303	18.954	ug/l	99
85) n-Butylbenzene	13.62	91	615562	17.143	ug/l	99
86) Hexachloroethane	13.88	117	128410	18.130	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	395910	19.520	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30143	19.743	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	179781	17.992	ug/l	99
90) Hexachlorobutadiene	15.01	225	123559	18.850	ug/l	100
91) Naphthalene	15.14	128	379112	18.788	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	178402	19.373	ug/l	96

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

Quant Time: Nov 30 04:02:46 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

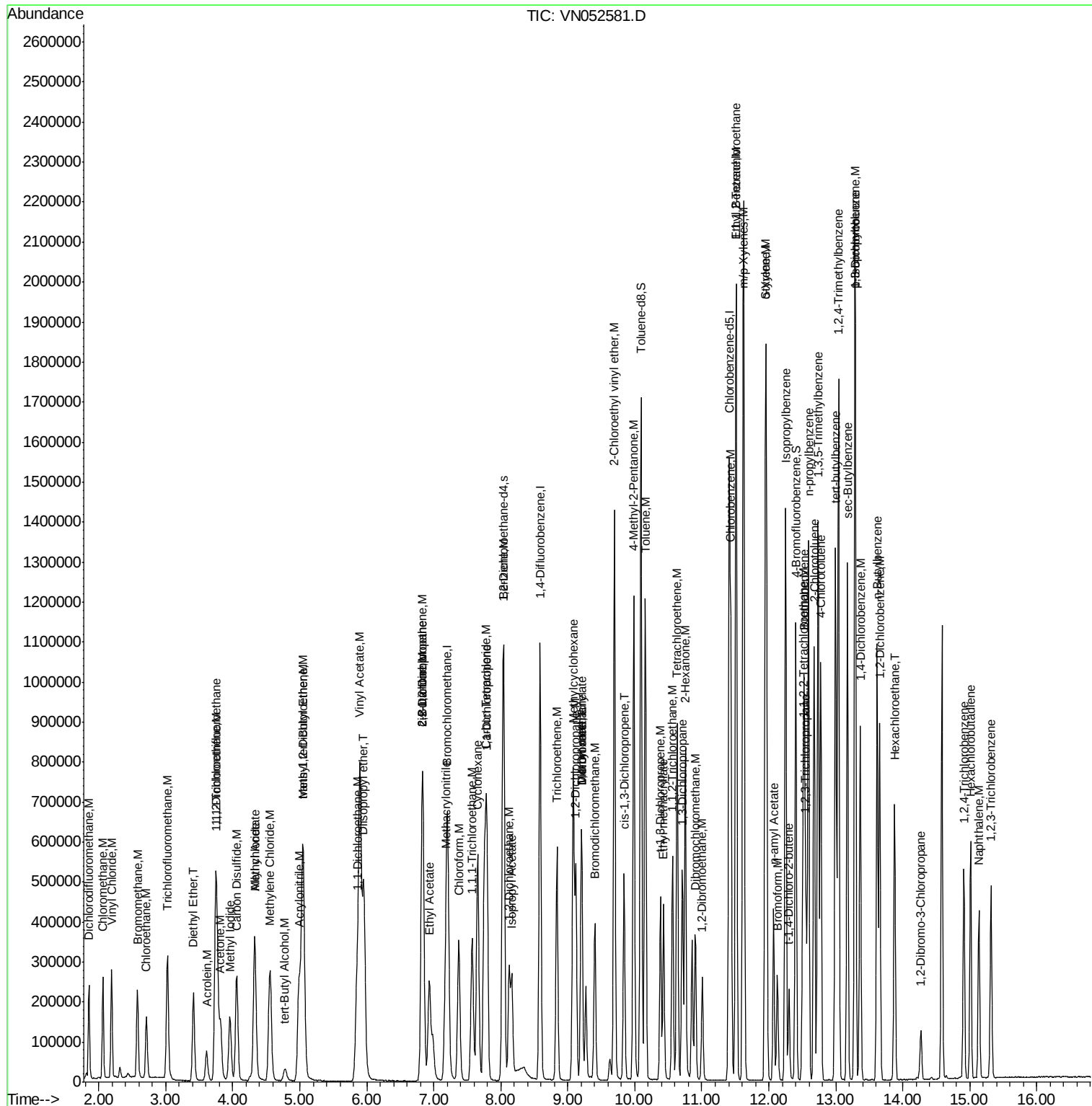
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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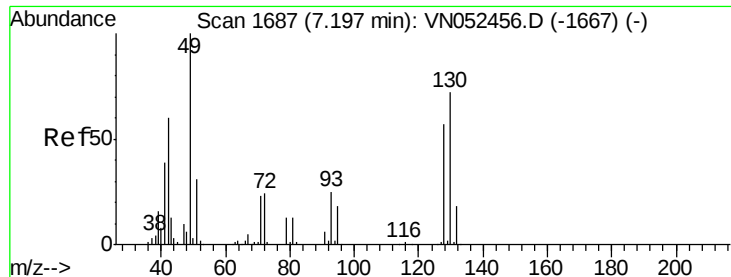
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052581.D
 Acq On : 29 Nov 2018 23:17
 Operator : MD\SY
 Sample : VN1129WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

Quant Time: Nov 29 23:47:57 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: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampled :

VN1129WBS02

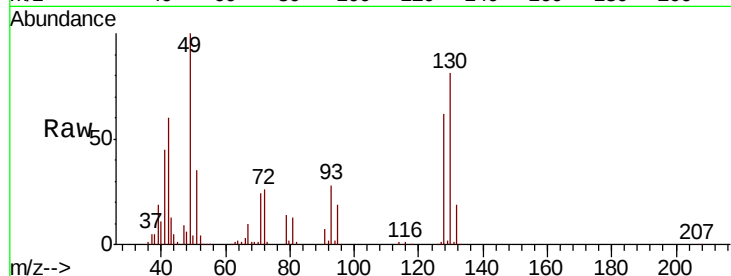
Tot Ion:128 Resp: 174927

Ion Ratio Lower Upper

128 100

49 160.9 0.0 431.8

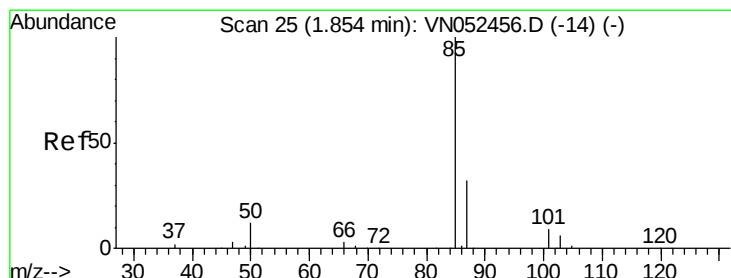
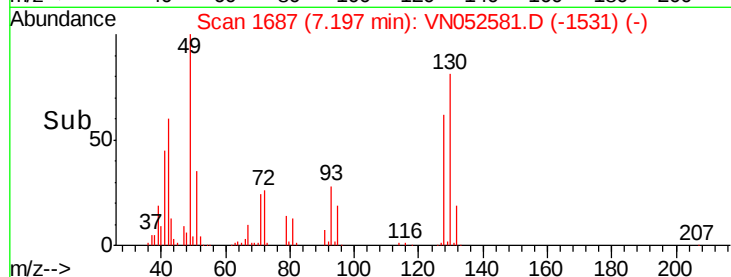
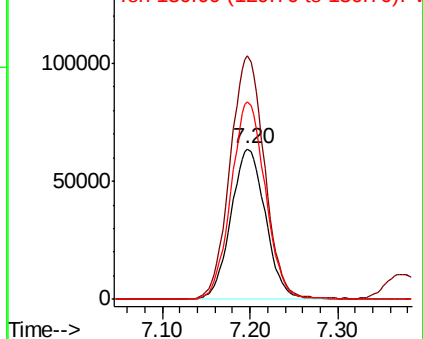
130 130.4 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.927 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052581.D

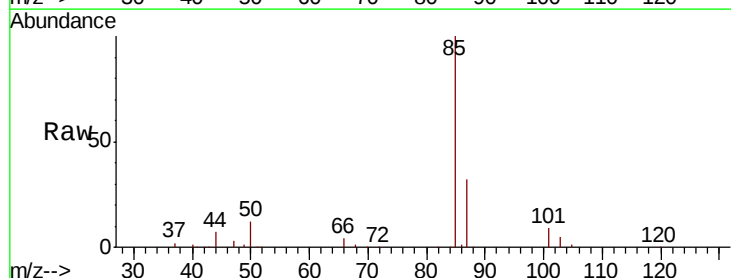
Acq: 29 Nov 2018 23:17

Tgt Ion: 85 Resp: 178597

Ion Ratio Lower Upper

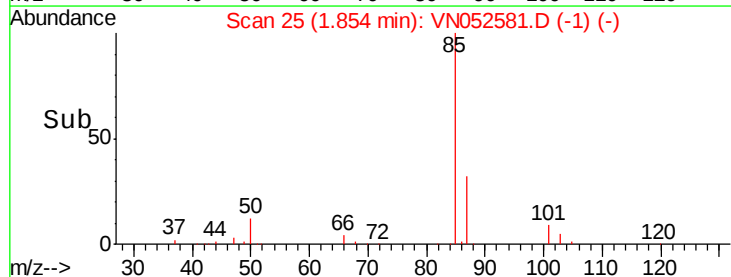
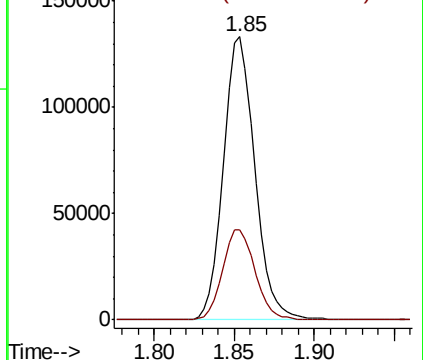
85 100

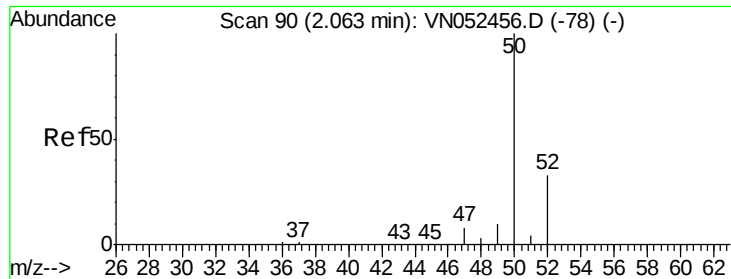
87 32.0 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.622 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

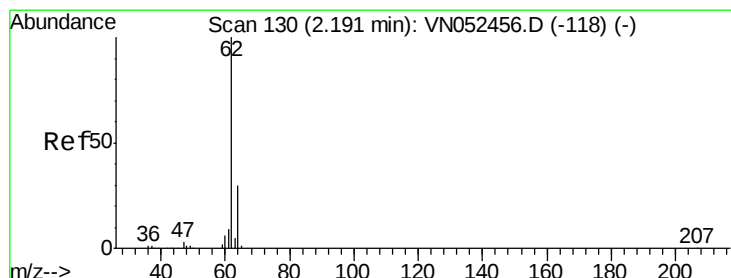
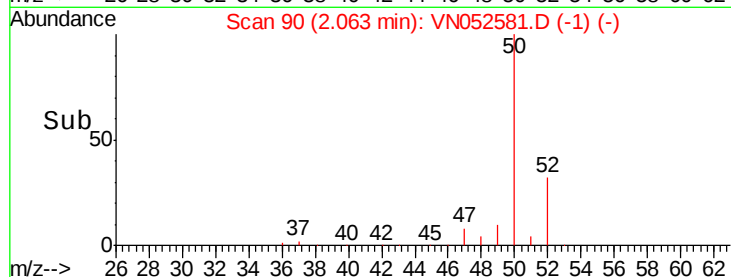
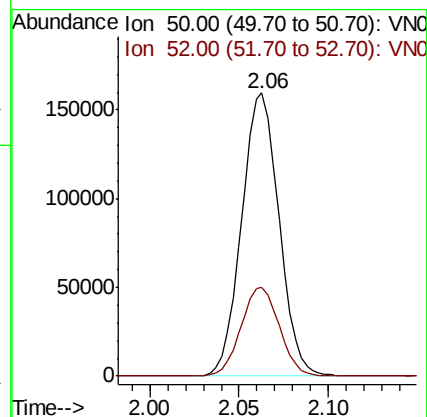
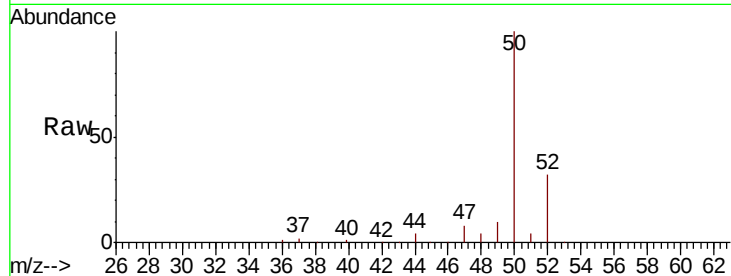
VN1129WBS02

Tot Ion: 50 Resp: 232828

Ion Ratio Lower Upper

50 100

52 31.5 26.5 39.7



#4

Vinyl Chloride

Concen: 18.524 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052581.D

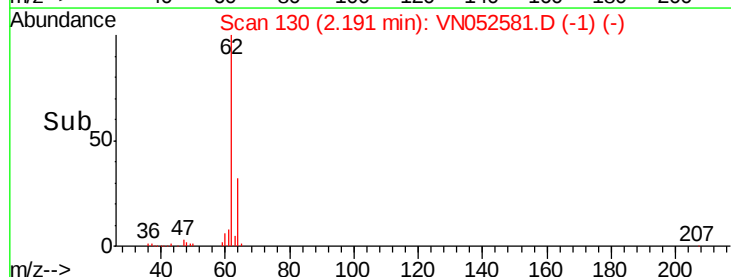
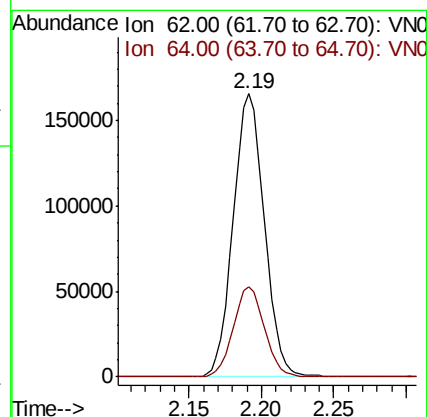
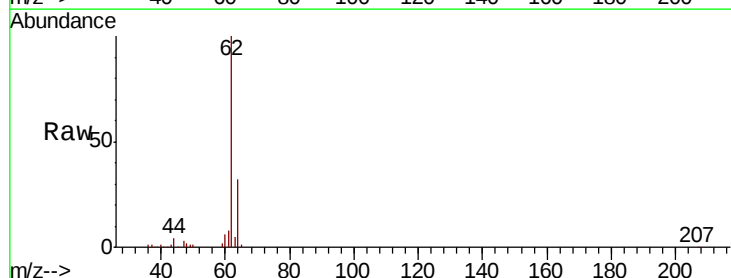
Acq: 29 Nov 2018 23:17

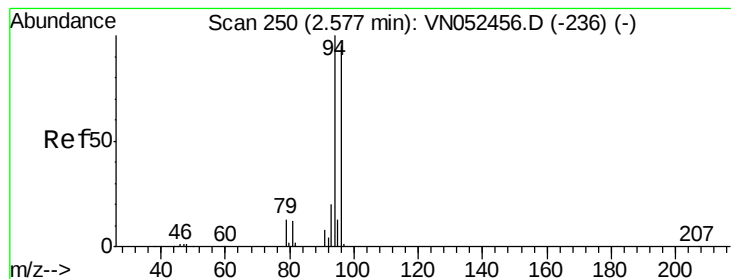
Tgt Ion: 62 Resp: 247025

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 19.614 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

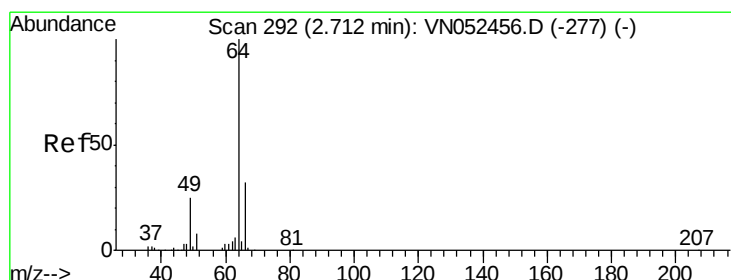
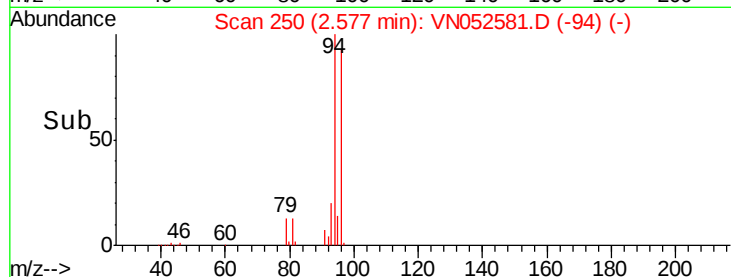
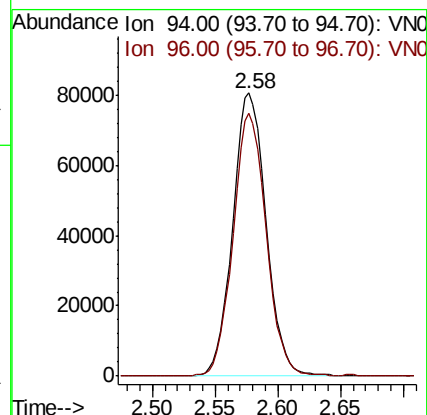
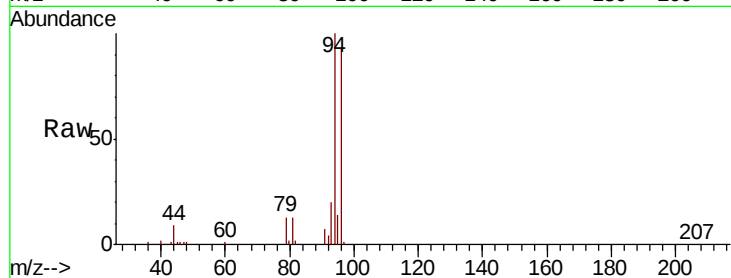
VN1129WBS02

Tot Ion: 94 Resp: 149136

Ion Ratio Lower Upper

94 100

96 92.7 76.2 114.2



#6

Chloroethane

Concen: 18.758 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052581.D

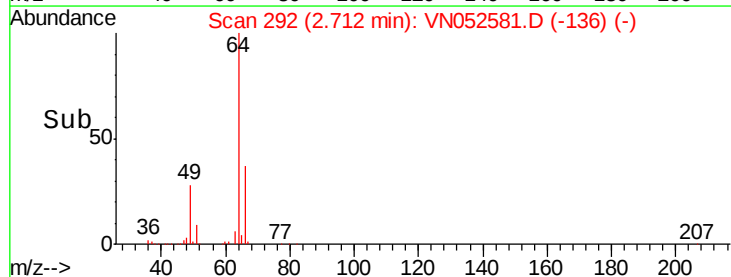
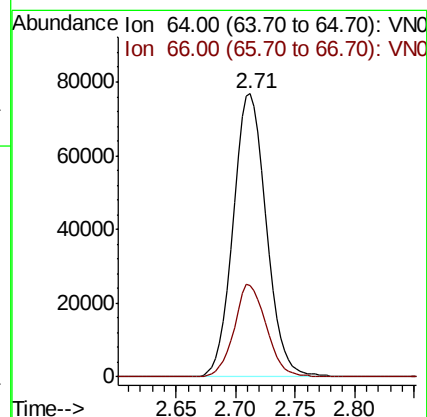
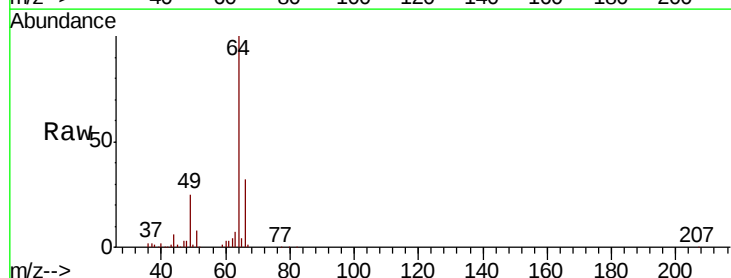
Acq: 29 Nov 2018 23:17

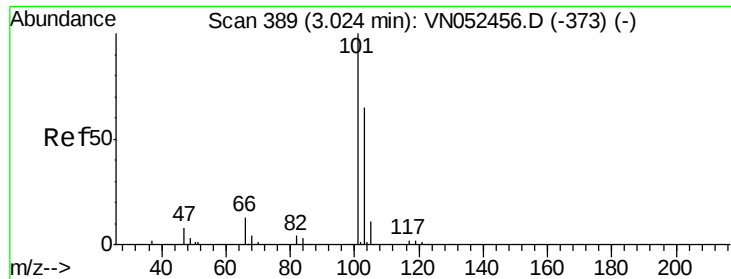
Tgt Ion: 64 Resp: 148758

Ion Ratio Lower Upper

64 100

66 32.5 25.6 38.4



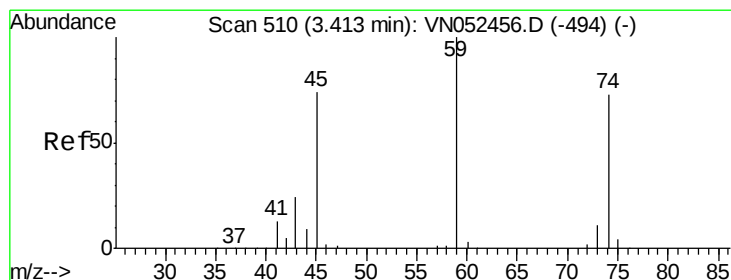
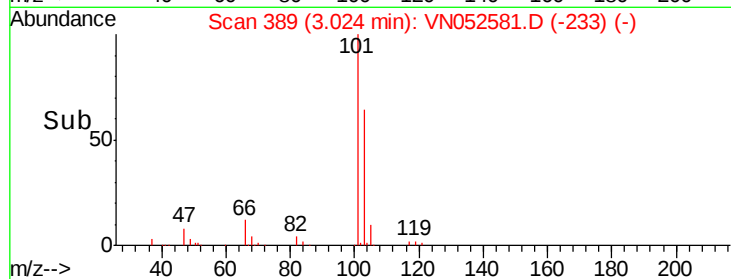
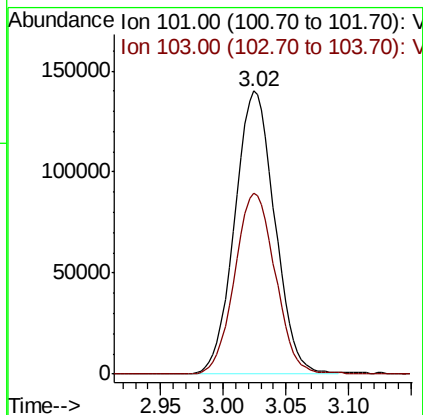
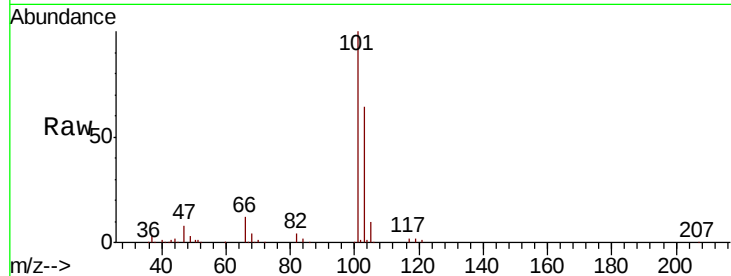


#7

Trichlorofluoromethane
 Concen: 18.935 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

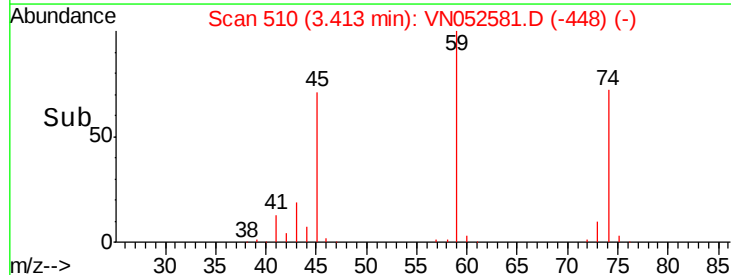
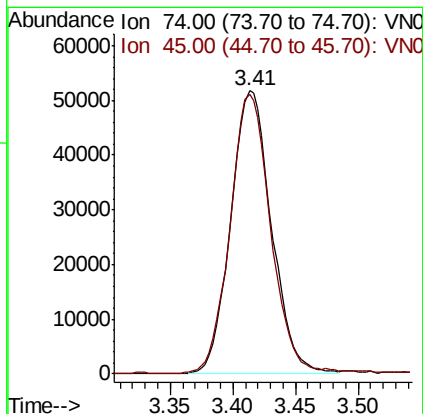
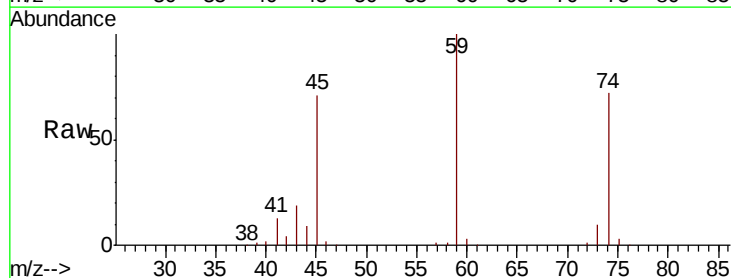
Tot Ion:101 Resp: 311635
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.1 78.1

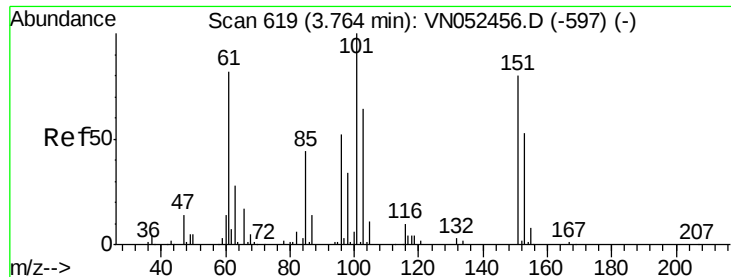


#8

Diethyl Ether
 Concen: 19.231 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion: 74 Resp: 116870
 Ion Ratio Lower Upper
 74 100
 45 98.0 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.322 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS02

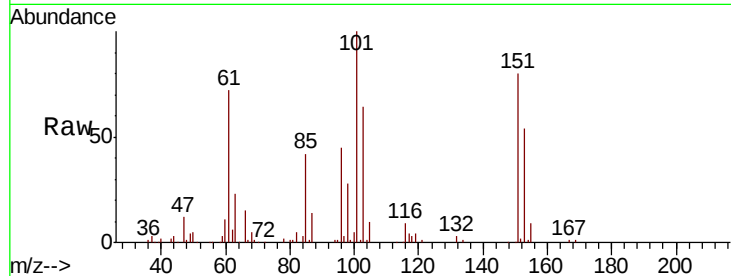
Tot Ion:101 Resp: 191150

Ion Ratio Lower Upper

101 100

85 42.8 0.0 82.6

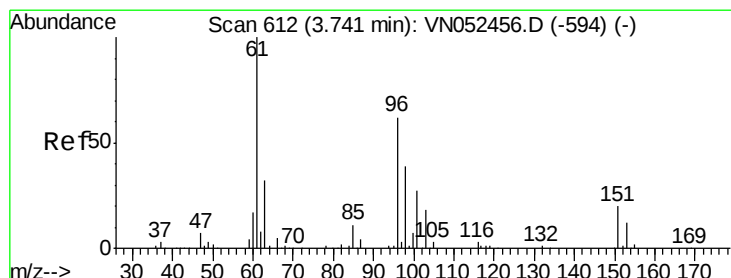
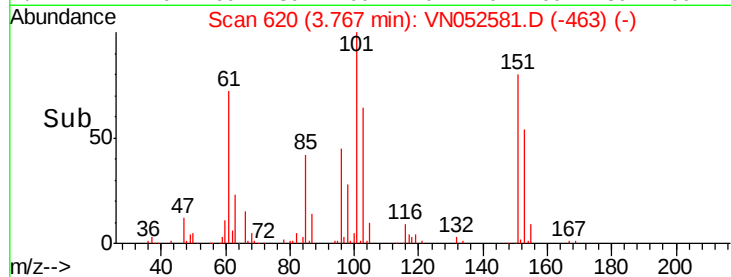
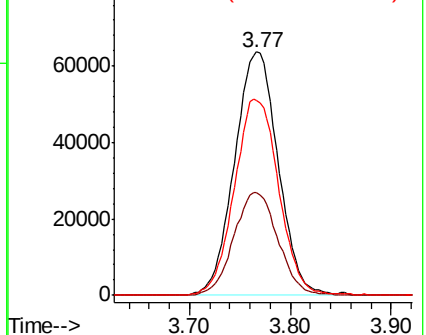
151 81.9 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): VN052456.D (-597) (-)

Ion 85.00 (84.70 to 85.70): VN052456.D (-597) (-)

Ion 151.00 (150.70 to 151.70): VN052456.D (-597) (-)



#10

1,1-Dichloroethene

Concen: 19.155 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

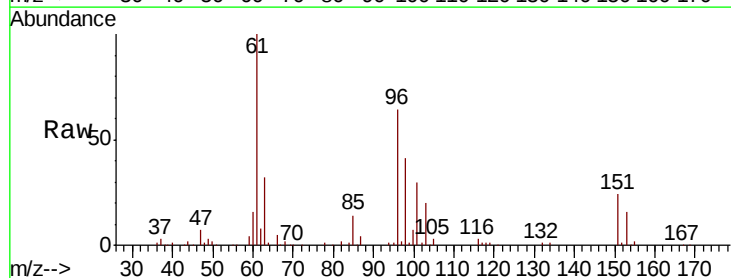
Tgt Ion: 96 Resp: 187897

Ion Ratio Lower Upper

96 100

61 156.6 129.4 194.2

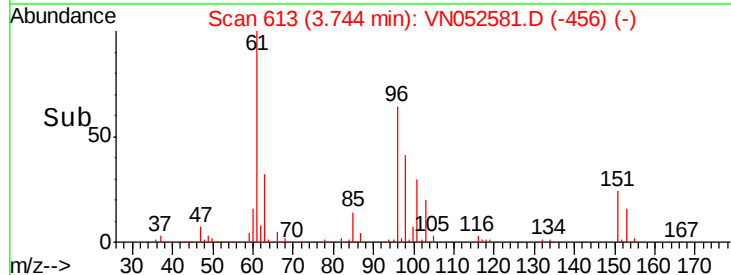
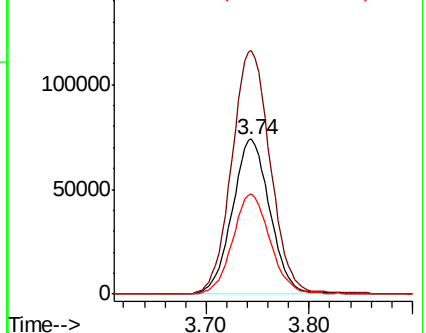
98 64.5 50.4 75.6

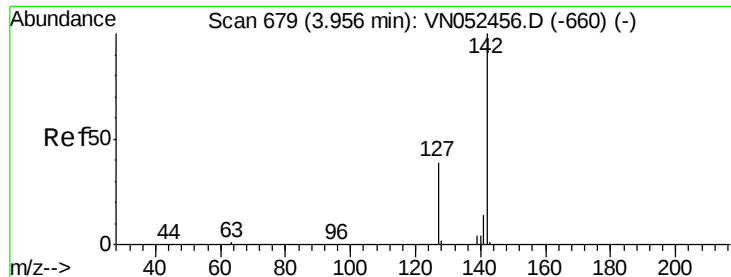


Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-594) (-)

Ion 61.00 (60.70 to 61.70): VN052456.D (-594) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-594) (-)

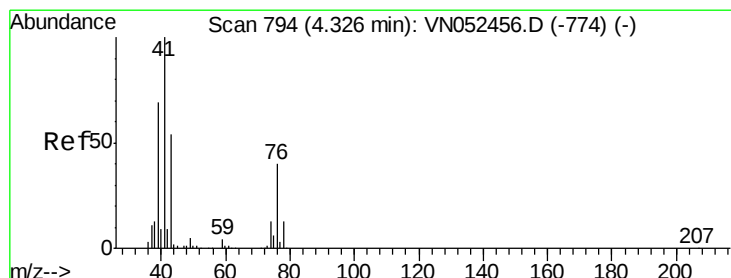
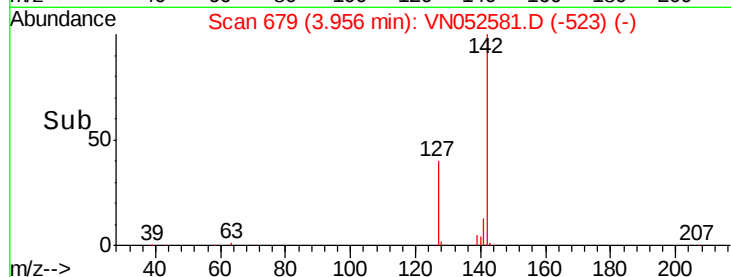
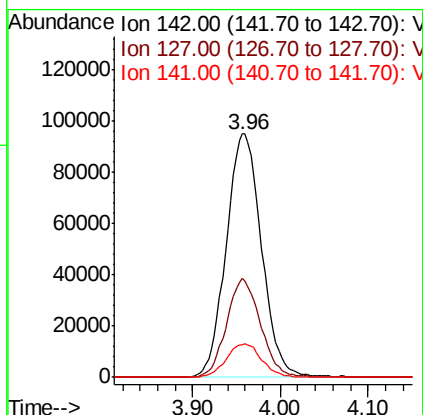
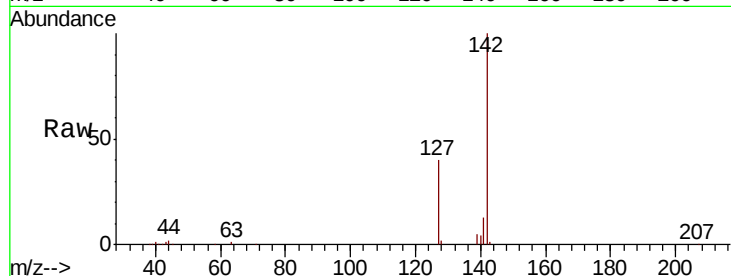




#11
Methvl Iodide
Concen: 19.537 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

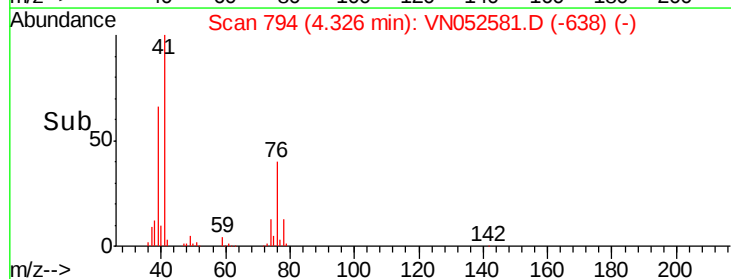
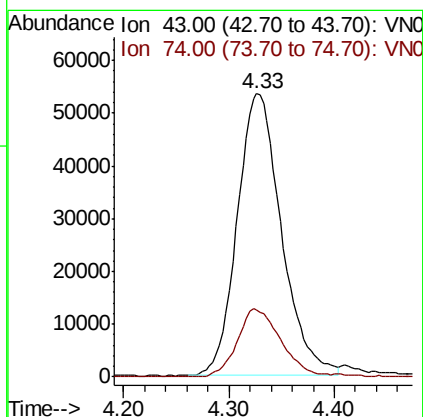
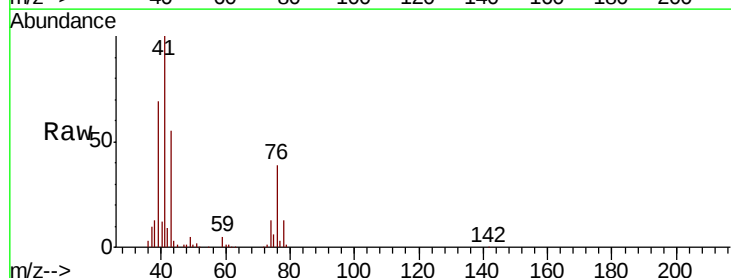
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

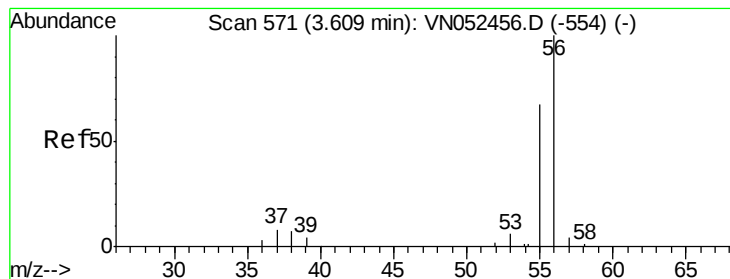
Tot Ion:142 Resp: 266091
Ion Ratio Lower Upper
142 100
127 40.5 19.4 58.1
141 13.5 7.2 21.6



#12
Methyl Acetate
Concen: 18.720 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion: 43 Resp: 156029
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3





#13

Acrolein

Concen: 90.705 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

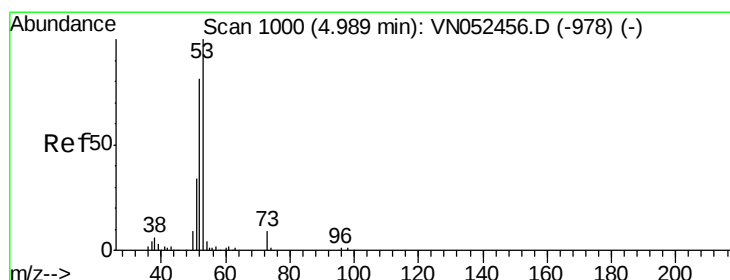
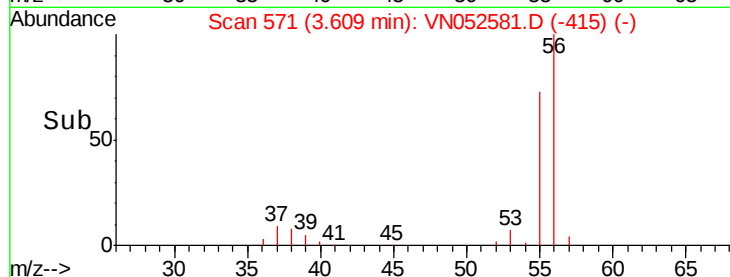
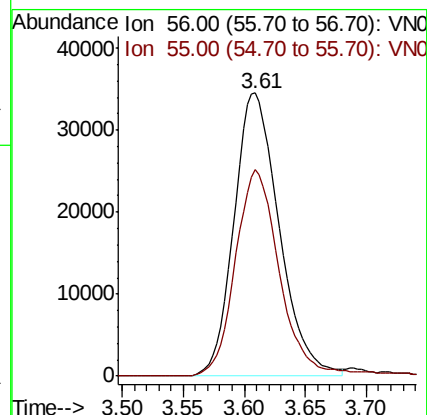
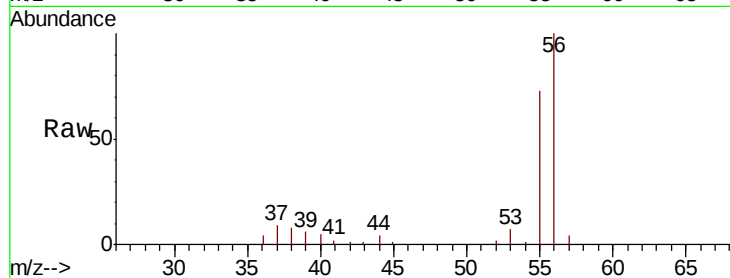
VN1129WBS02

Tot Ion: 56 Resp: 88805

Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1



#14

Acrylonitrile

Concen: 95.074 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

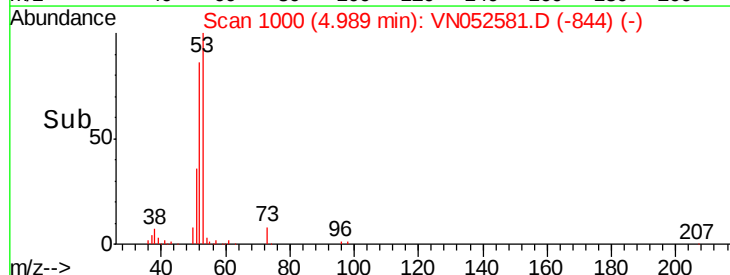
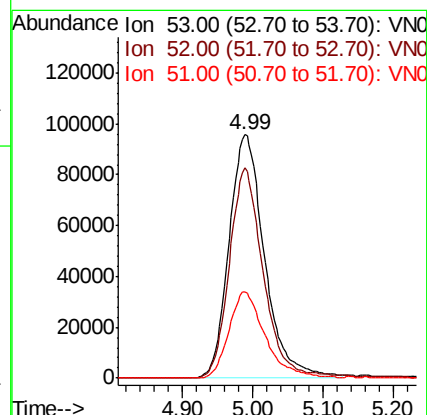
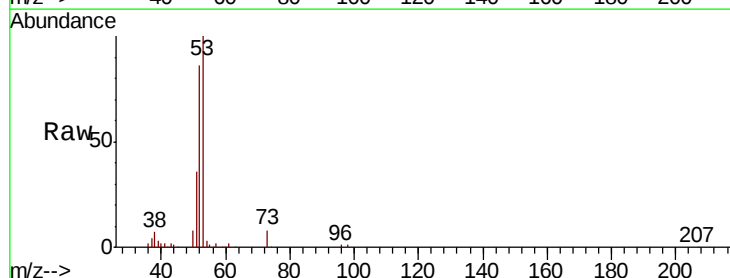
Tgt Ion: 53 Resp: 337638

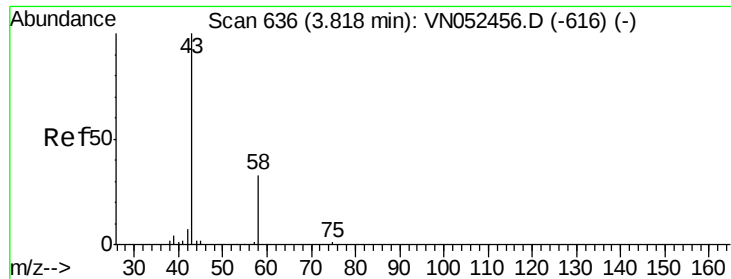
Ion Ratio Lower Upper

53 100

52 80.9 39.9 119.7

51 36.2 17.6 52.9





#15

Acetone

Concen: 83.157 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

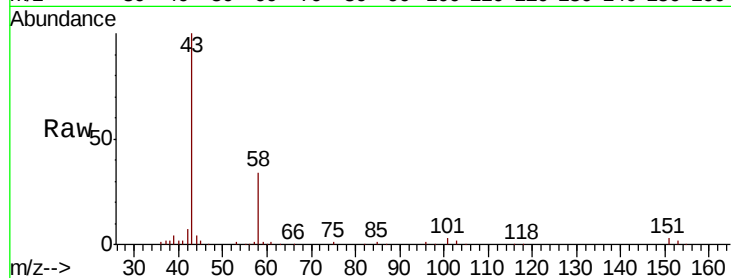
VN1129WBS02

Tot Ion: 58 Resp: 76480

Ion Ratio Lower Upper

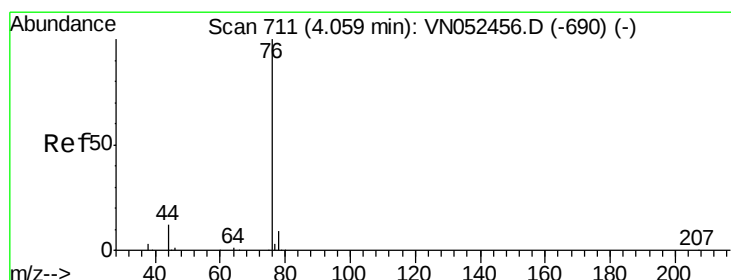
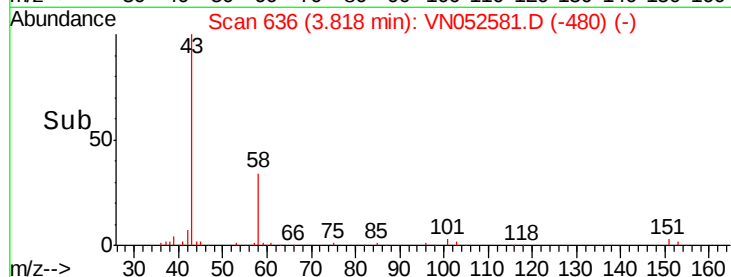
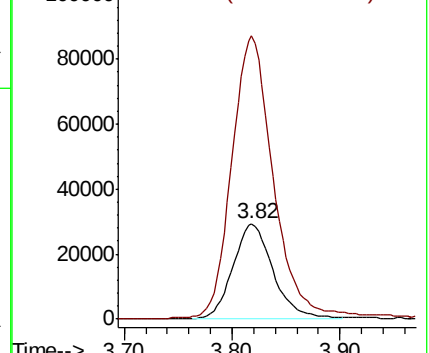
58 100

43 296.2 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052456.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-616) (-)



#16

Carbon Disulfide

Concen: 17.442 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052581.D

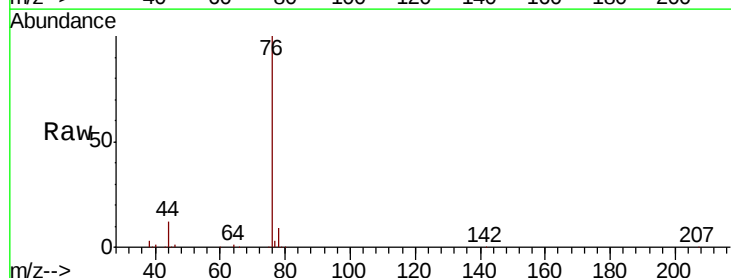
Acq: 29 Nov 2018 23:17

Tgt Ion: 76 Resp: 541688

Ion Ratio Lower Upper

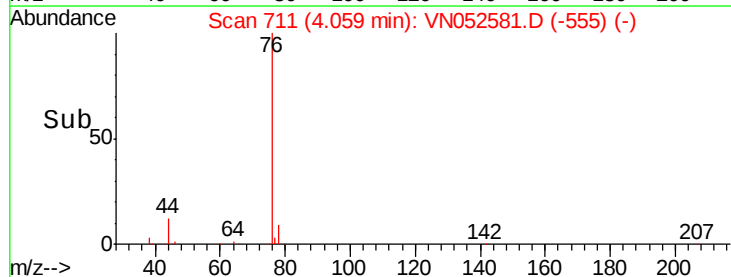
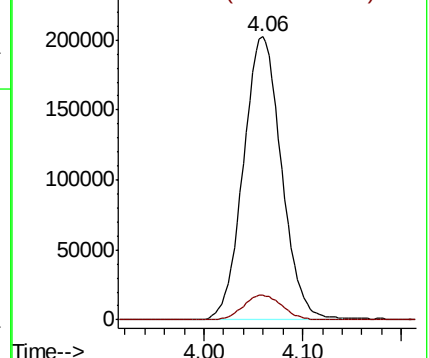
76 100

78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-690) (-)

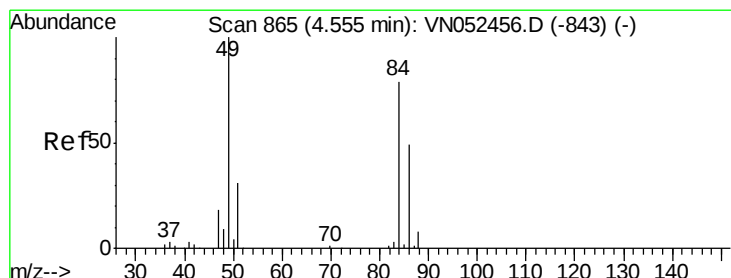
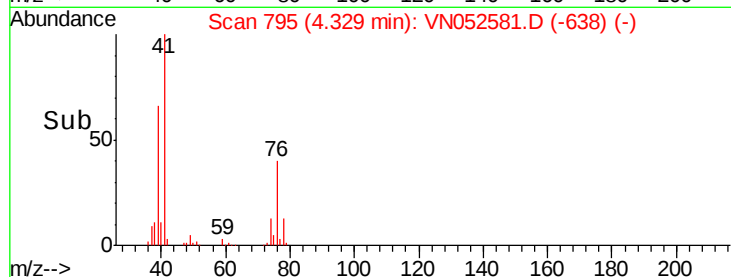
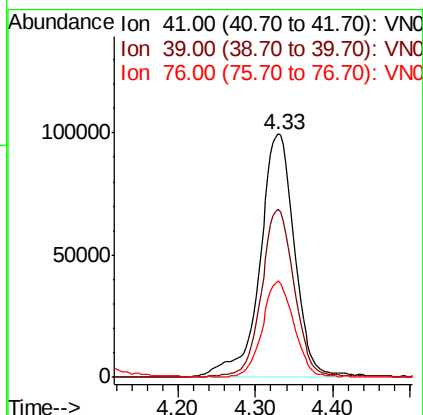
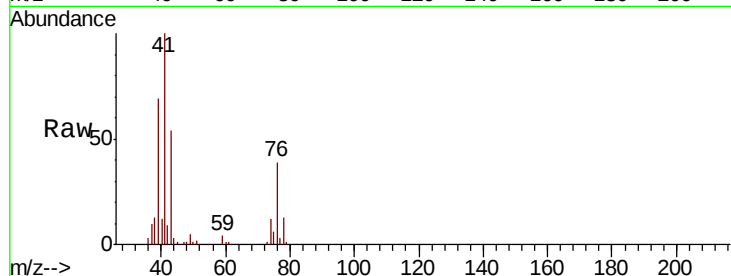




#17
Allvl chloride
Concen: 18.047 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

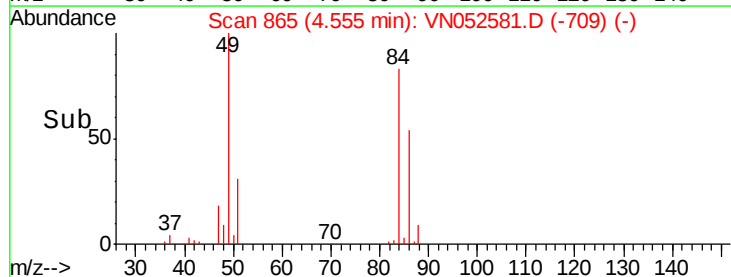
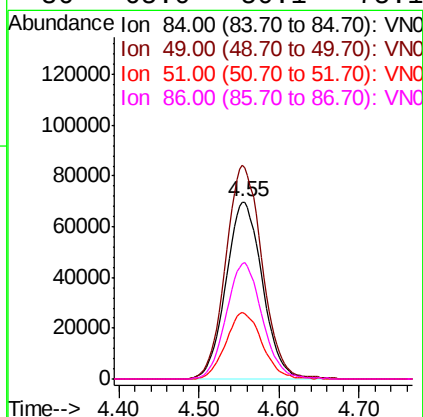
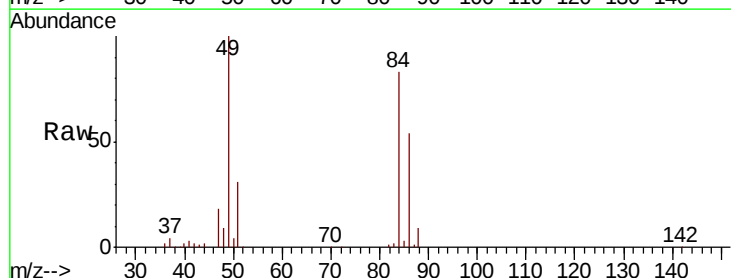
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

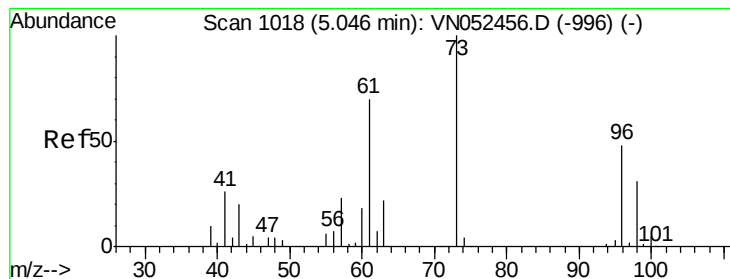
Tot Ion: 41 Resp: 308733
Ion Ratio Lower Upper
41 100
39 68.9 32.8 98.3
76 39.0 18.6 55.8



#18
Methylene Chloride
Concen: 19.013 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion: 84 Resp: 215944
Ion Ratio Lower Upper
84 100
49 120.4 101.4 152.0
51 37.5 31.7 47.5
86 65.0 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 19.135 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS02

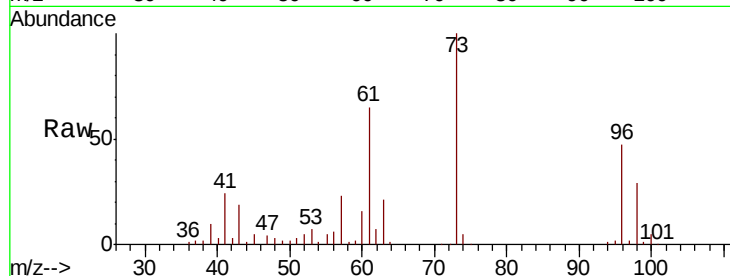
Tot Ion: 96 Resp: 202006

Ion Ratio Lower Upper

96 100

61 139.5 118.2 177.4

98 61.4 51.4 77.2

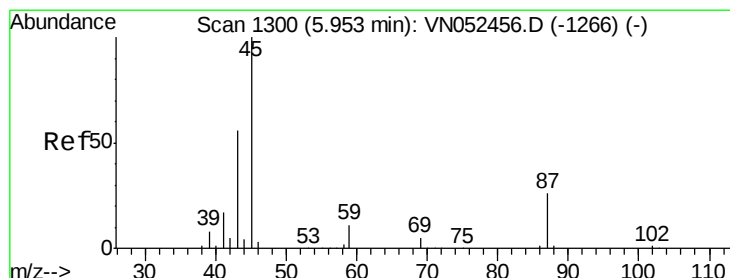
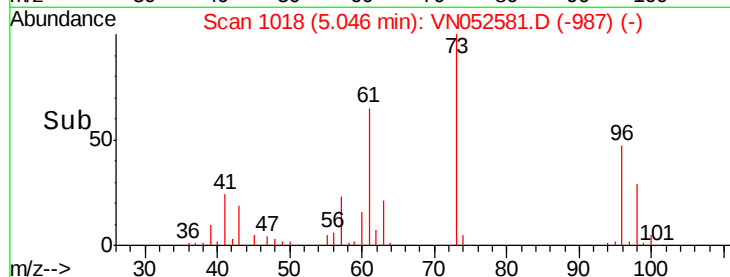
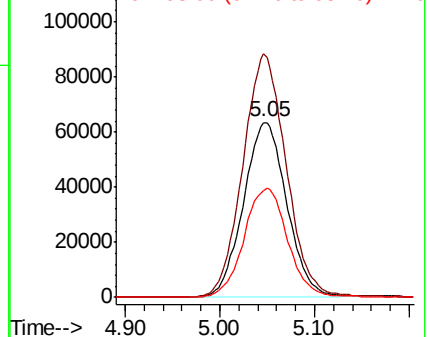


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 18.661 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Tgt Ion: 45 Resp: 670870

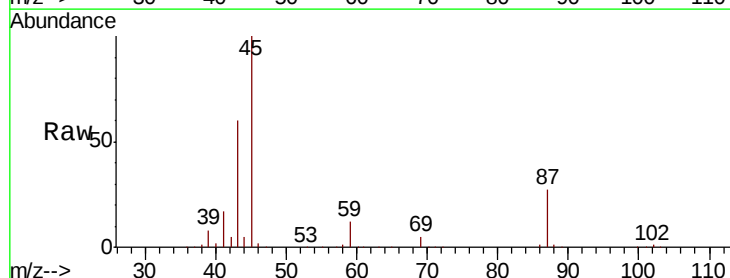
Ion Ratio Lower Upper

45 100

43 59.1 47.8 71.8

87 27.0 21.3 31.9

59 11.6 8.9 13.3



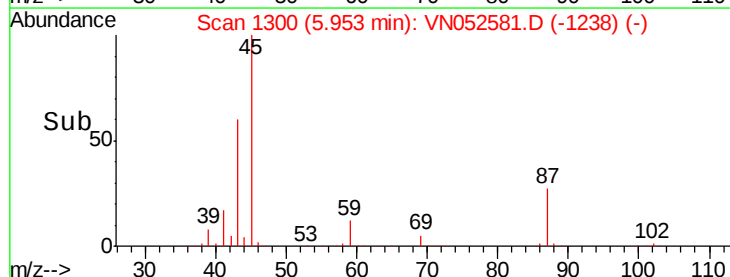
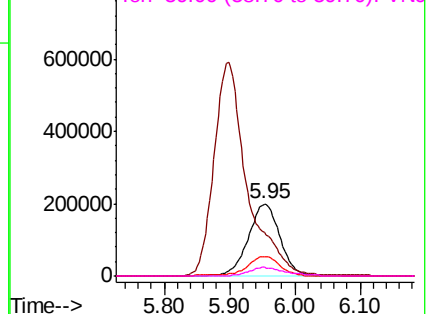
Abundance

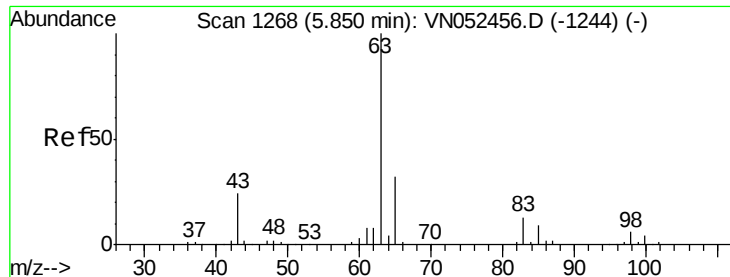
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 18.978 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS02

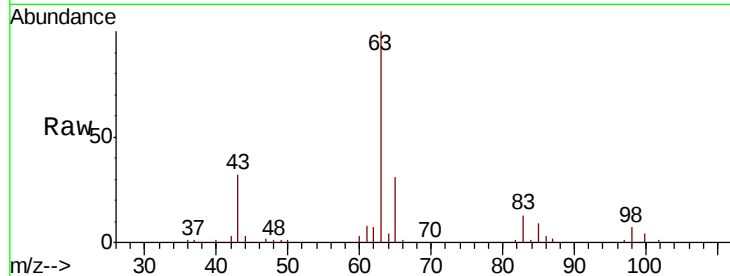
Tot Ion: 63 Resp: 388860

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 4.4 1.8 5.5

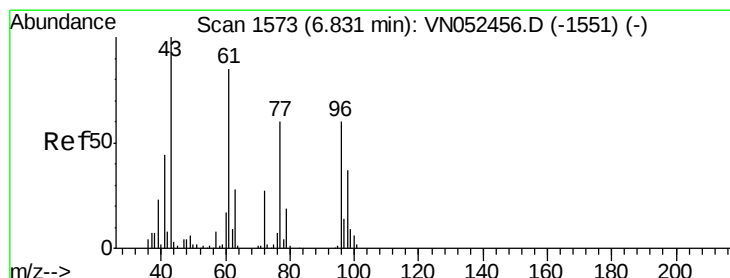
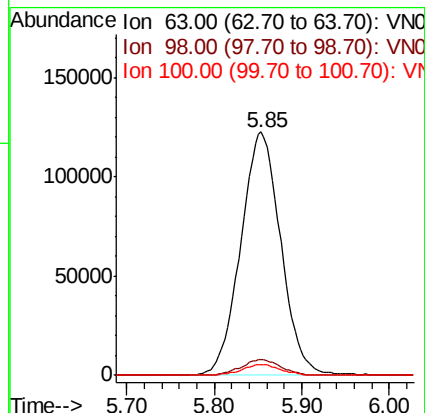
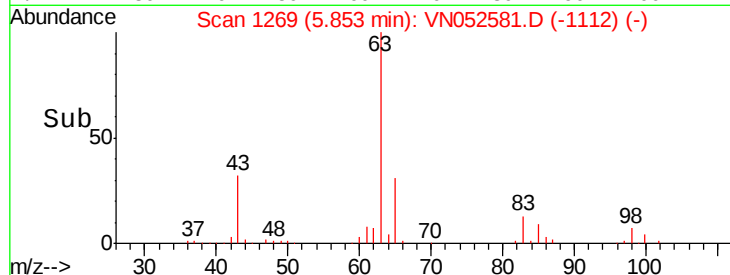


Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-1244) (-)

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: 19.067 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

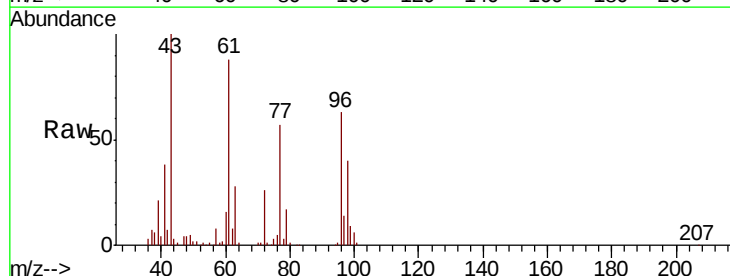
Tgt Ion: 96 Resp: 230681

Ion Ratio Lower Upper

96 100

61 142.9 116.7 175.1

98 65.0 50.8 76.2

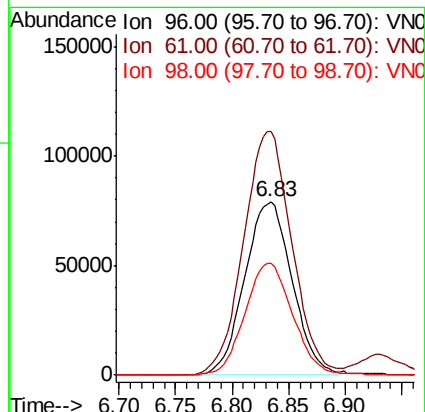
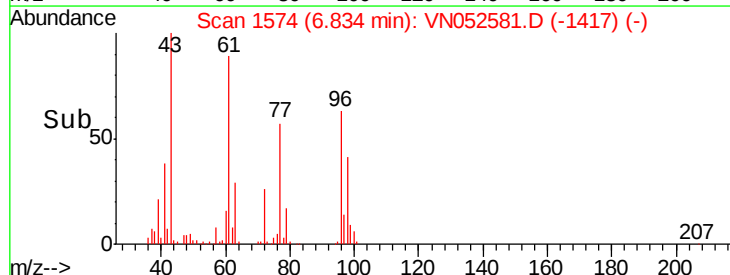


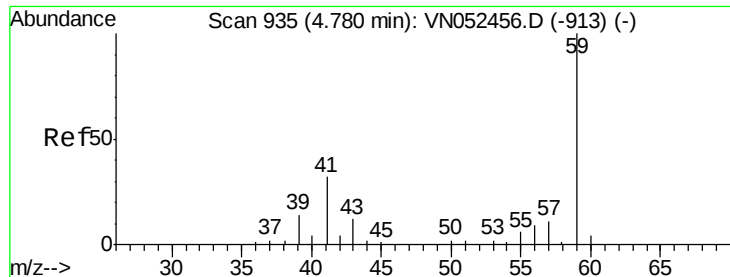
Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-1551) (-)

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

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

Time-->



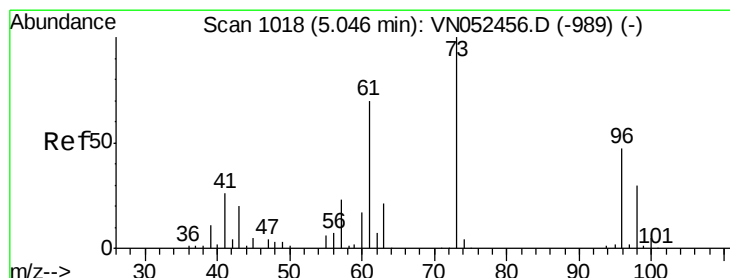
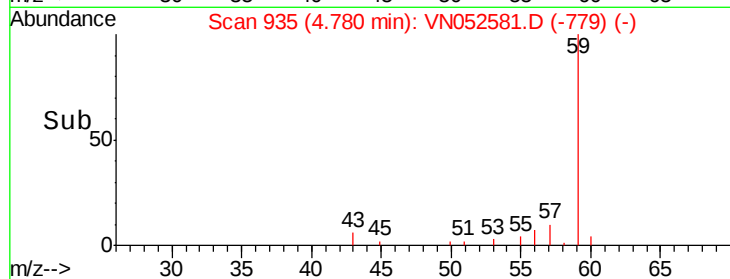
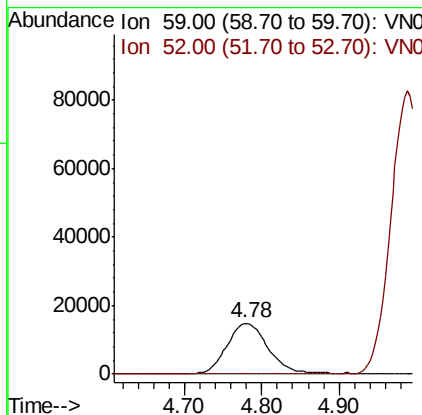
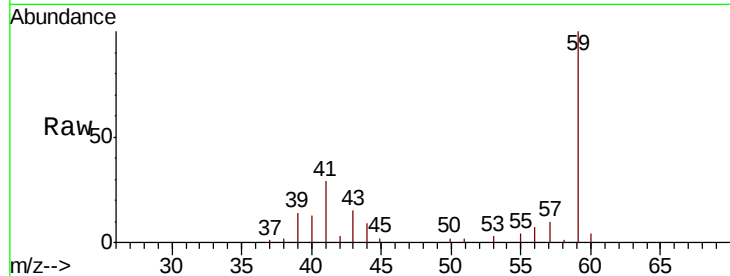


#23

tert-Butyl Alcohol
 Concen: 105.156 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

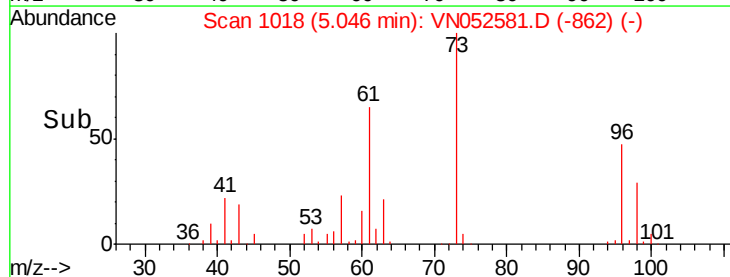
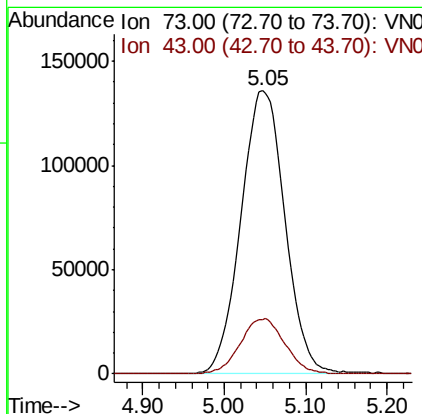
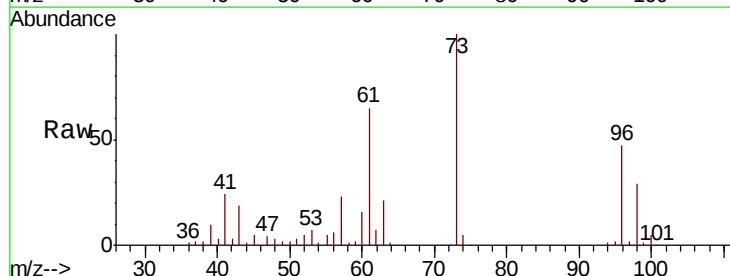
Tot Ion: 59 Resp: 55553
 Ion Ratio Lower Upper
 59 100
 52 0.5 0.0 0.0#

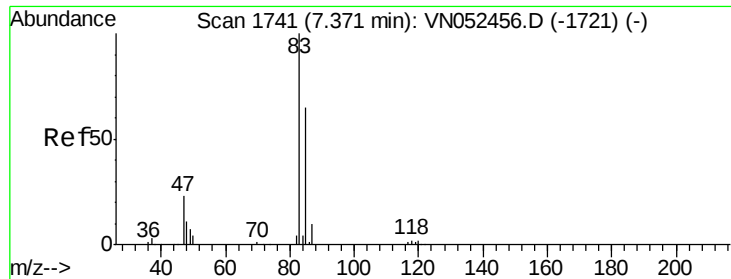


#24

Methyl tert-Butyl Ether
 Concen: 19.758 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion: 73 Resp: 508463
 Ion Ratio Lower Upper
 73 100
 43 19.9 15.8 23.8





#25

Chloroform

Concen: 19.200 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

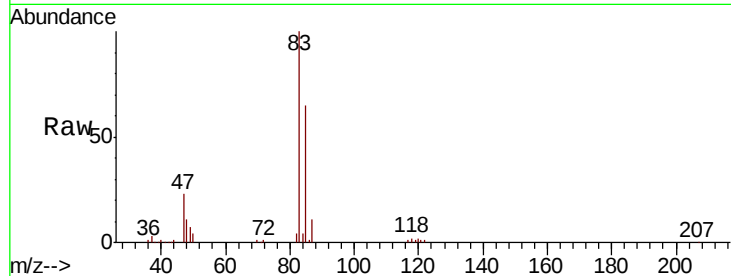
VN1129WBS02

Tot Ion: 83 Resp: 379545

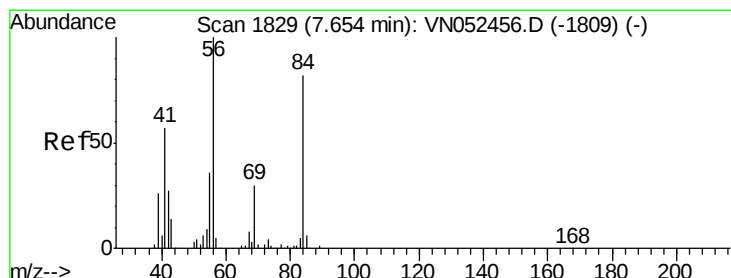
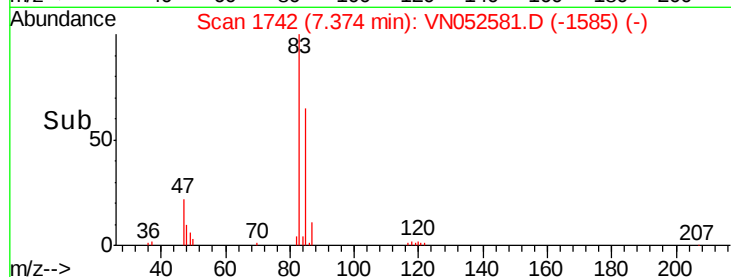
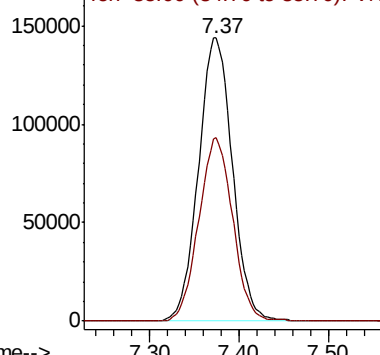
Ion Ratio Lower Upper

83 100

85 64.9 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 18.001 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

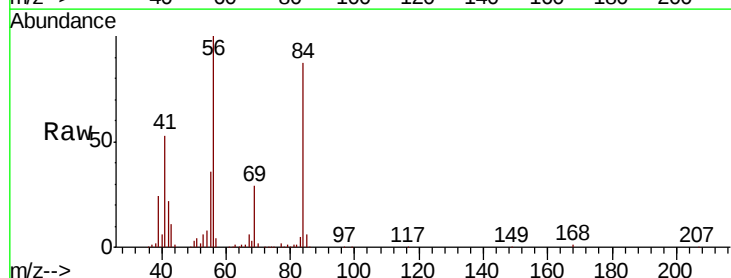
Tgt Ion: 56 Resp: 347891

Ion Ratio Lower Upper

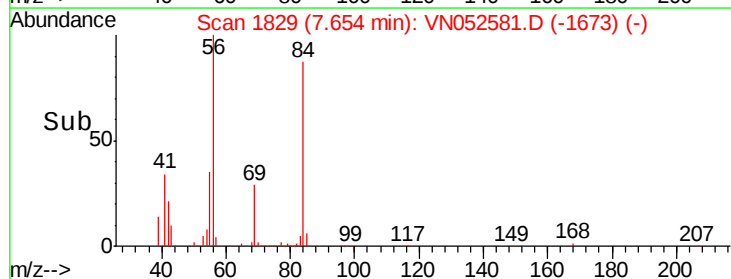
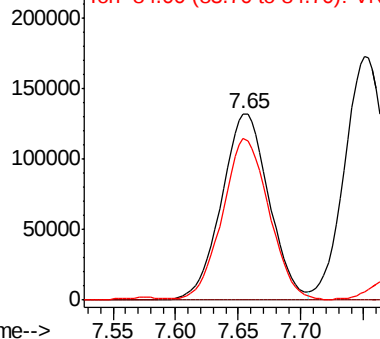
56 100

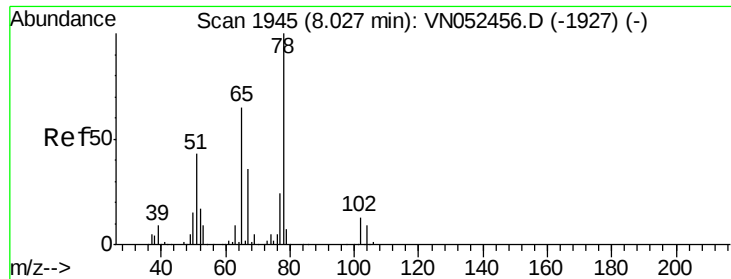
89 0.0 0.5 0.7#

84 84.2 66.2 99.2



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 89.00 (88.70 to 89.70): VNO
Ion 84.00 (83.70 to 84.70): VNO





#27

1,2-Dichloroethane-d4

Concen: 18.001 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

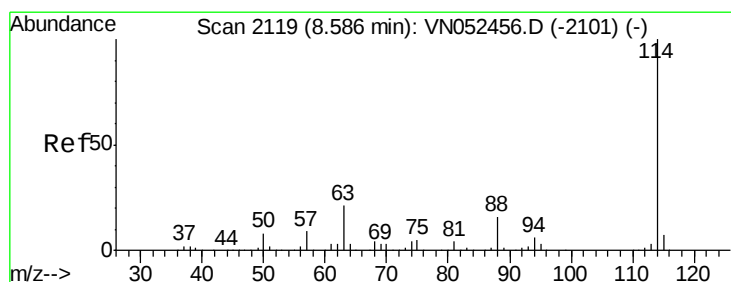
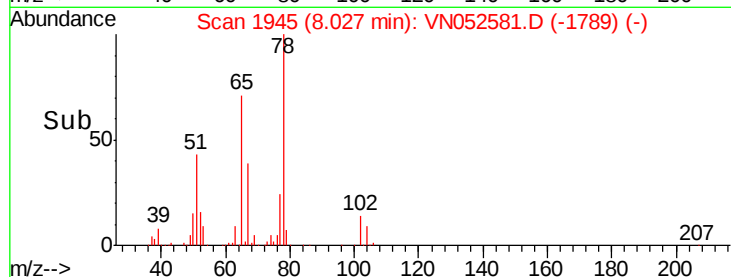
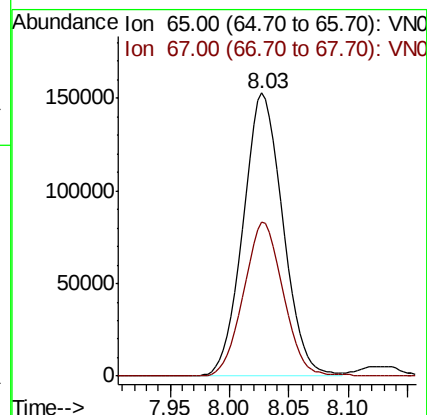
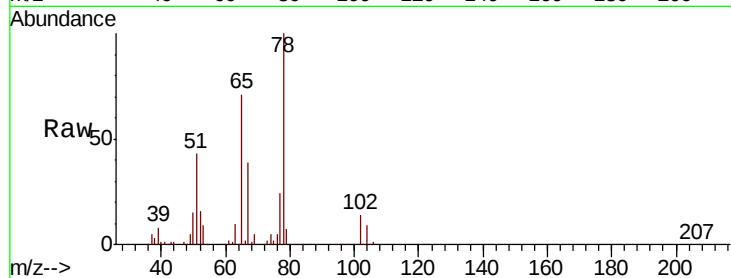
VN1129WBS02

Tot Ion: 65 Resp: 354446

Ion Ratio Lower Upper

65 100

67 53.8 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: VN052581.D

Acq: 29 Nov 2018 23:17

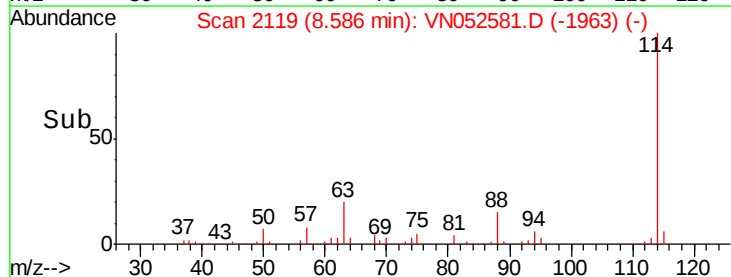
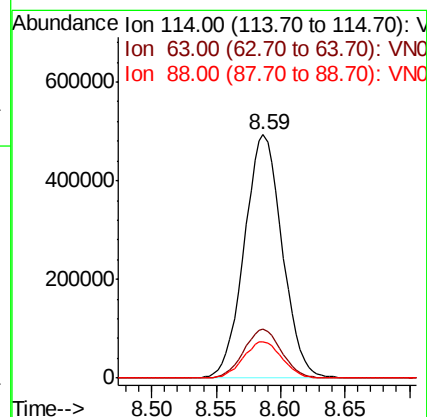
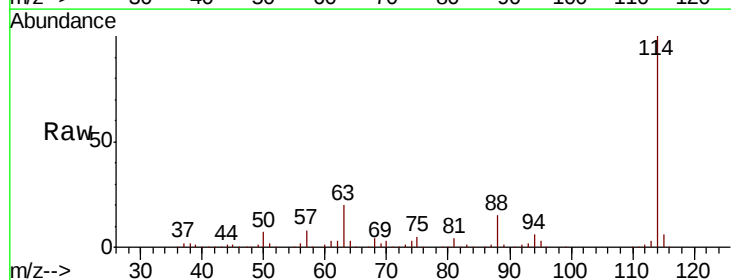
Tgt Ion: 114 Resp: 1009757

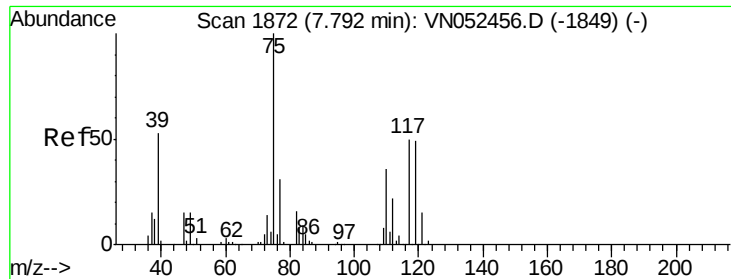
Ion Ratio Lower Upper

114 100

63 20.2 16.9 25.3

88 15.1 12.8 19.2

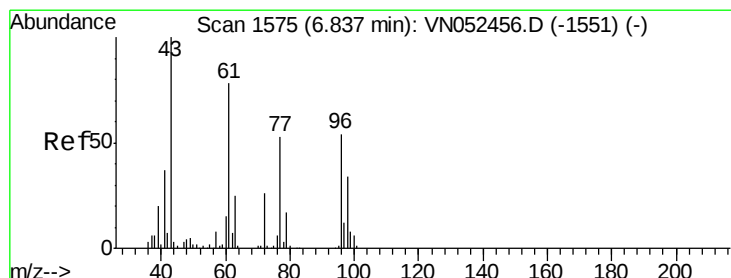
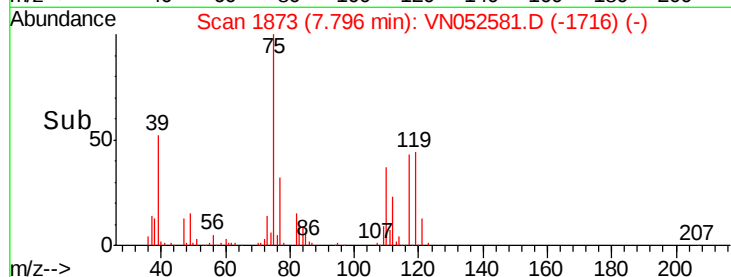
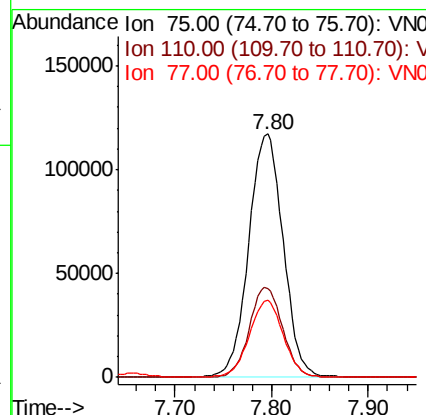
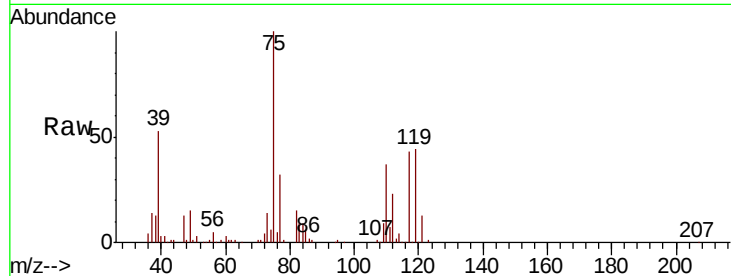




#29
 1,1-Dichloropropene
 Concen: 18.835 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

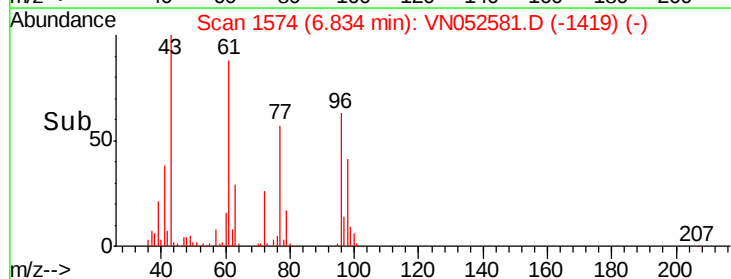
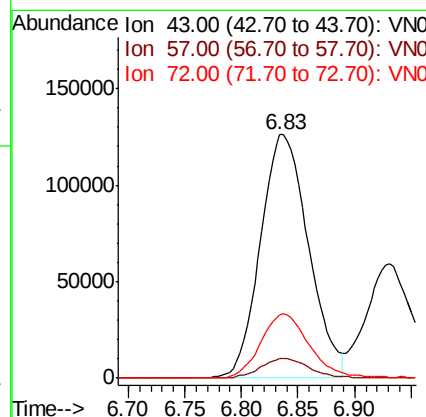
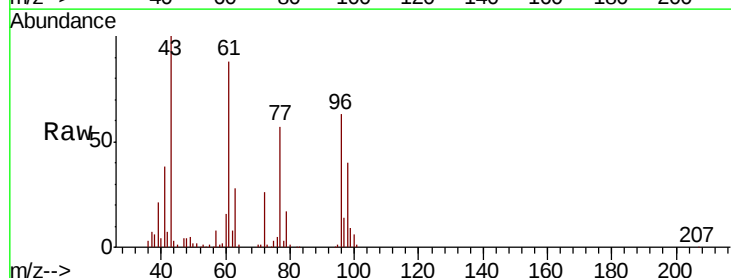
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

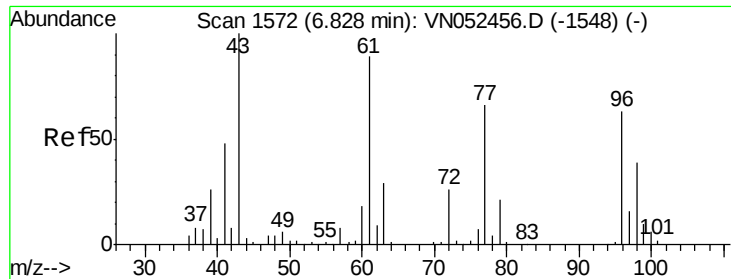
Tot Ion: 75 Resp: 290434
 Ion Ratio Lower Upper
 75 100
 110 35.7 0.0 70.2
 77 31.3 0.0 62.6



#30
 2-Butanone
 Concen: 89.769 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion: 43 Resp: 370401
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.2 9.4
 72 26.9 21.0 31.6





#31

2,2-Dichloropropane

Concen: 17.092 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

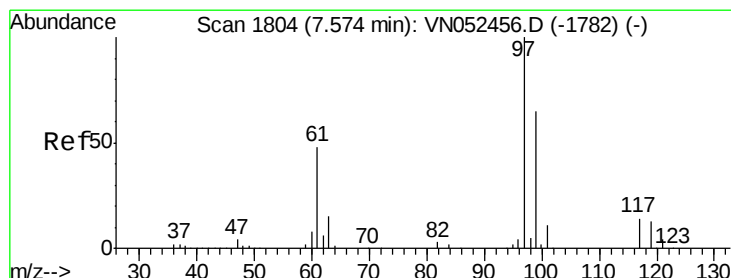
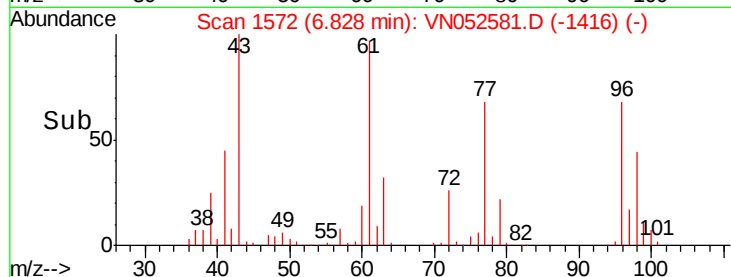
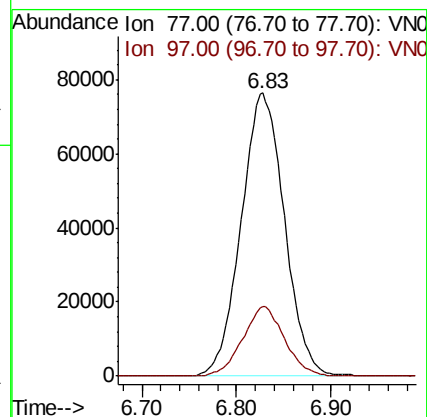
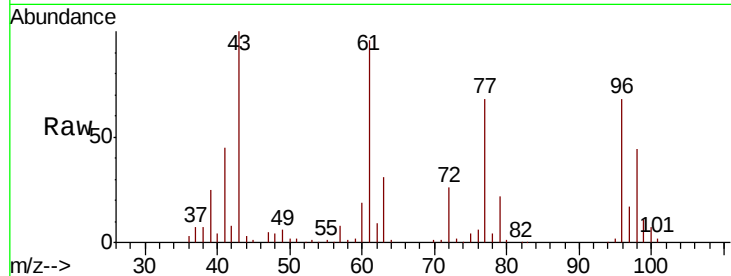
VN1129WBS02

Tot Ion: 77 Resp: 242634

Ion Ratio Lower Upper

77 100

97 23.8 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: VN052581.D

Acq: 29 Nov 2018 23:17

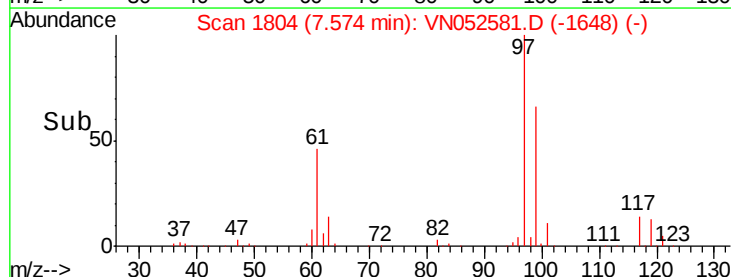
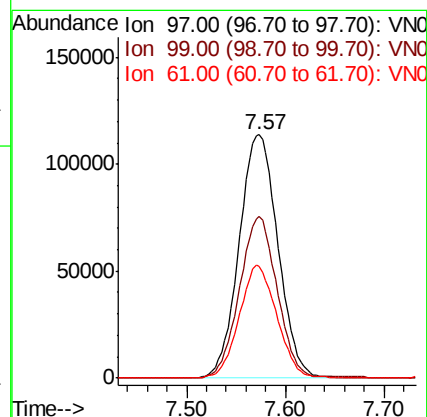
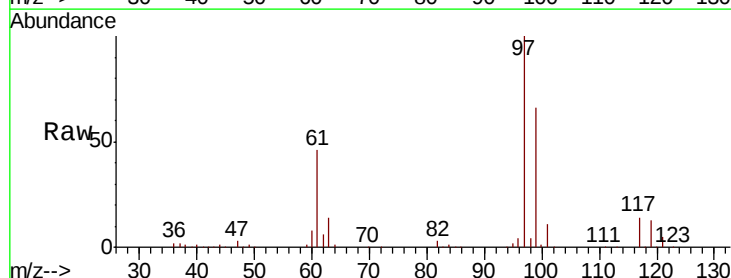
Tgt Ion: 97 Resp: 310626

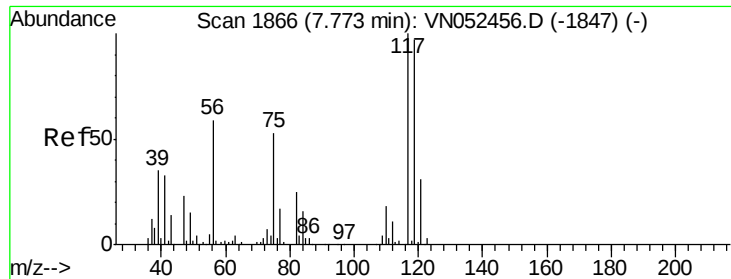
Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 44.9 38.1 57.1

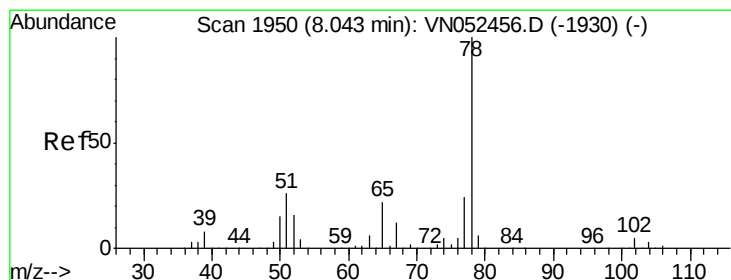
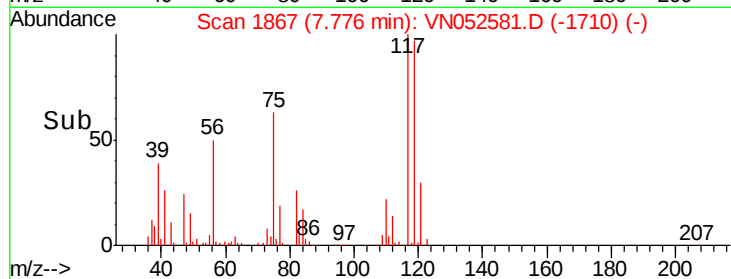
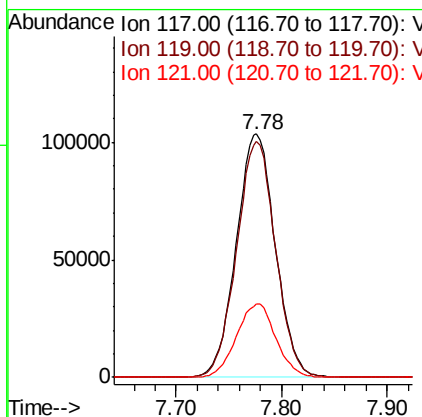
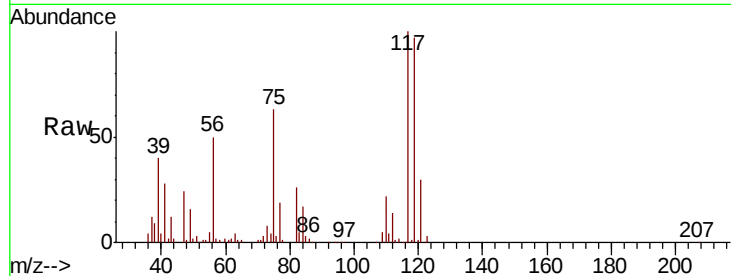




#33
Carbon Tetrachloride
Concen: 18.977 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

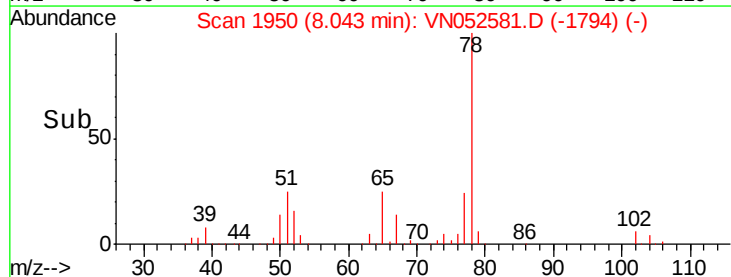
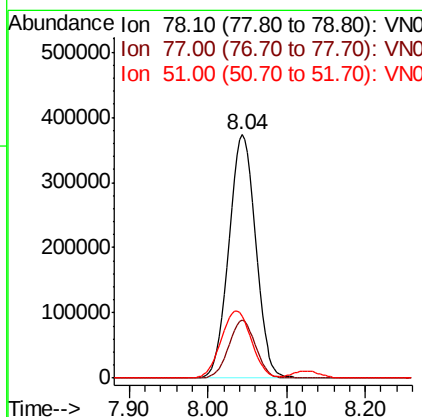
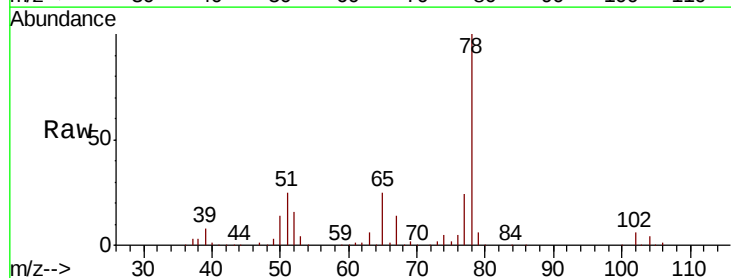
Instrument :
MSVOA_N
ClientSampled :
VN1129WBS02

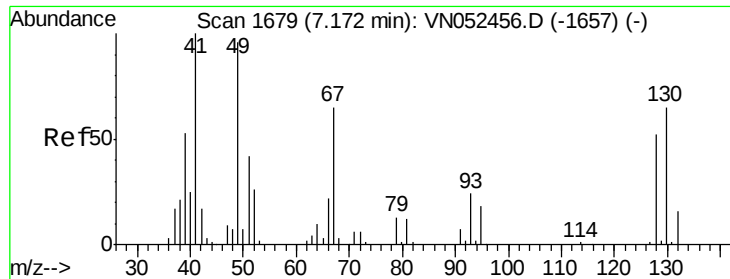
Tot Ion:117 Resp: 266419
Ion Ratio Lower Upper
117 100
119 96.7 77.3 115.9
121 30.3 24.9 37.3



#34
Benzene
Concen: 19.013 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion: 78 Resp: 881456
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6
51 25.4 20.5 30.7

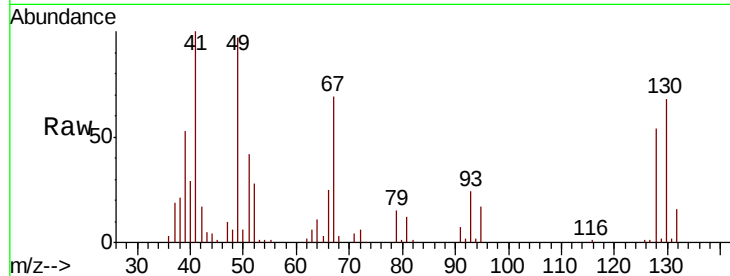




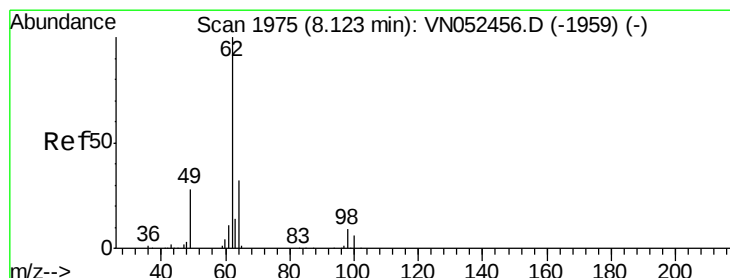
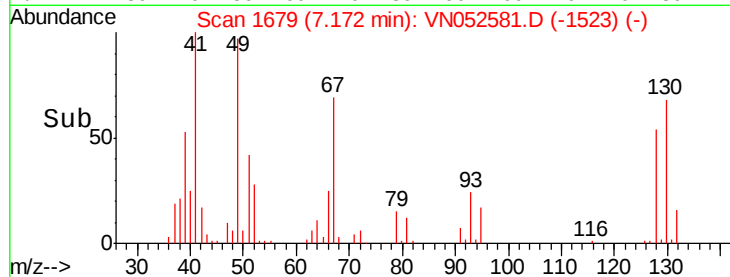
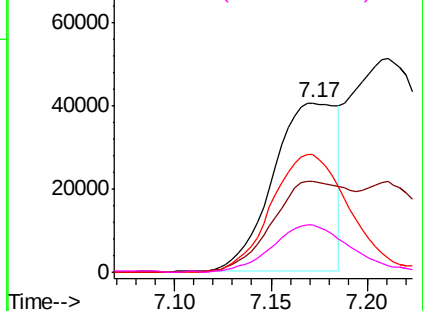
#35
Methacrylonitrile
Concen: 18.164 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

Tot Ion:	41	Resp:	92989
Ion	Ratio	Lower	Upper
41	100		
39	53.2	26.6	79.7
67	69.6	32.3	96.9
52	27.3	13.0	38.9

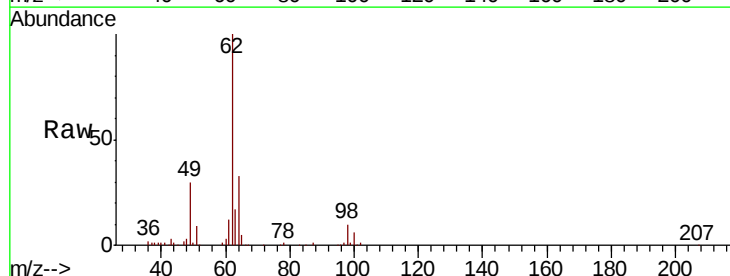


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

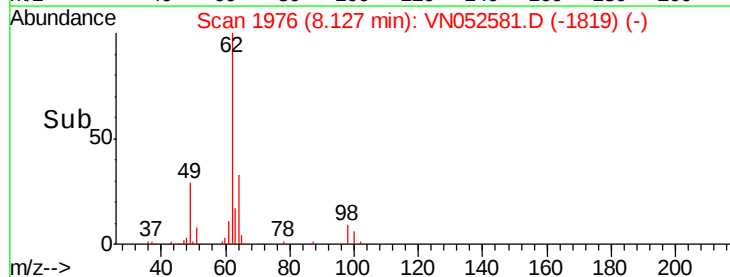
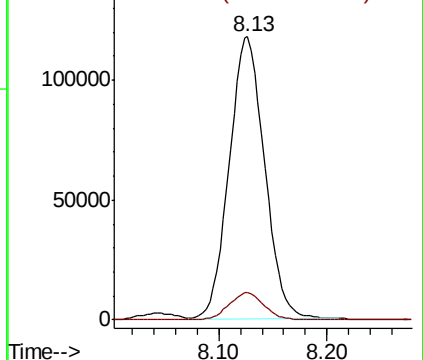


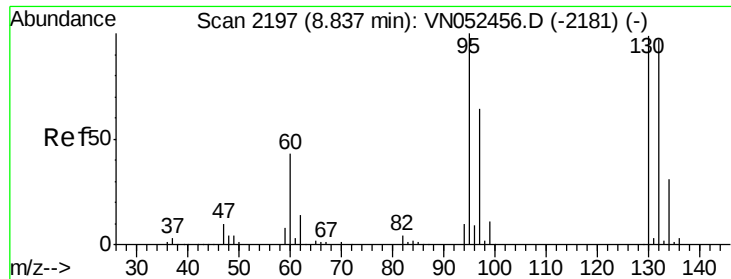
#36
1,2-Dichloroethane
Concen: 19.182 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion:	62	Resp:	269475
Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.4	11.2



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

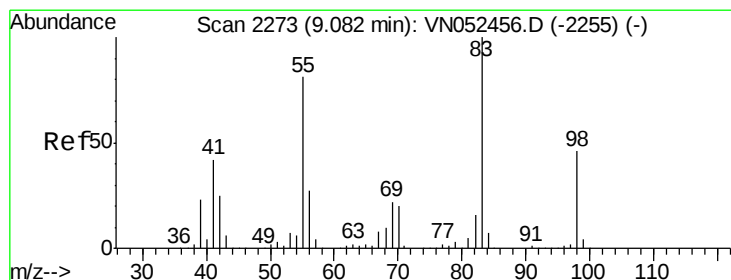
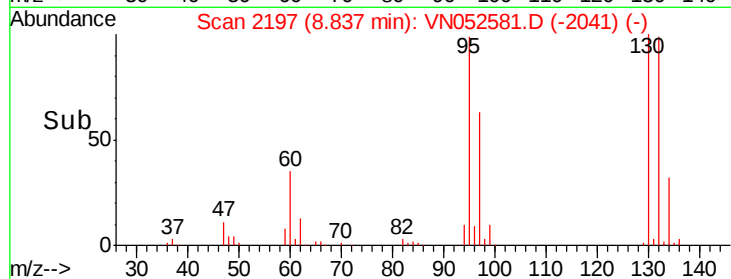
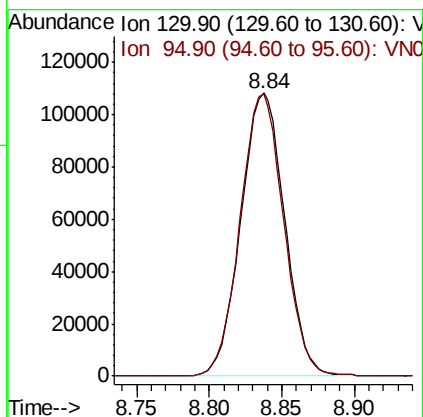
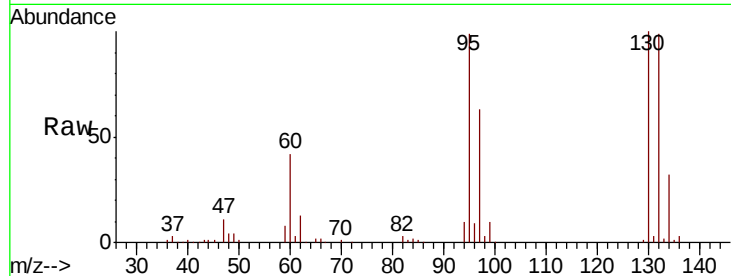




#37
 Trichloroethene
 Concen: 19.310 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

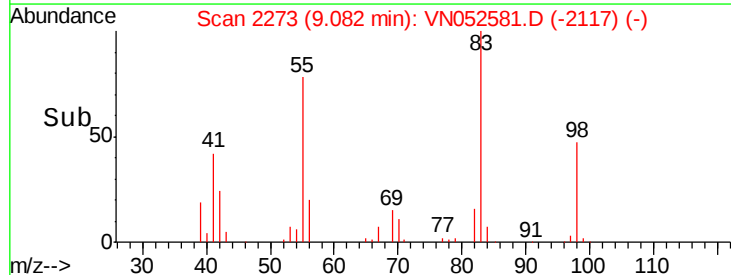
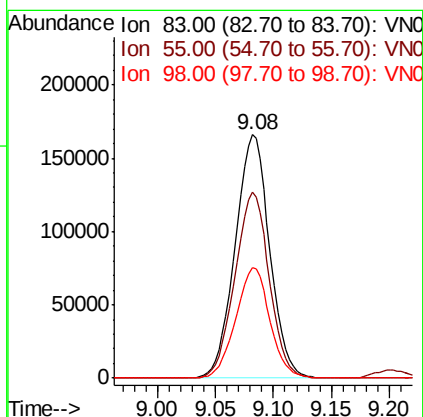
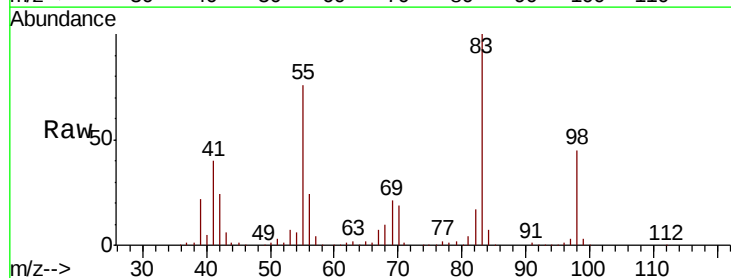
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

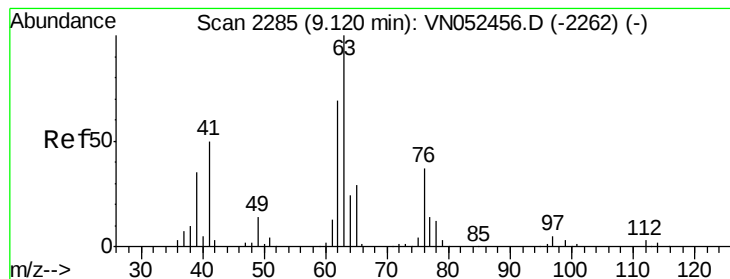
Tot Ion:130 Resp: 227011
 Ion Ratio Lower Upper
 130 100
 95 99.5 81.0 121.4



#38
 Methylcyclohexane
 Concen: 17.924 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion: 83 Resp: 342152
 Ion Ratio Lower Upper
 83 100
 55 76.0 39.8 119.4
 98 45.0 22.9 68.5





#39

1,2-Dichloropropane

Concen: 18.543 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

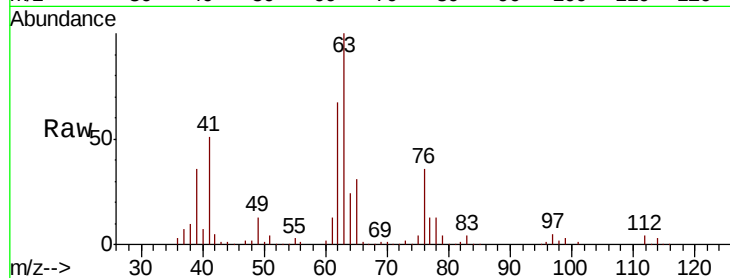
VN1129WBS02

Tot Ion: 63 Resp: 230442

Ion Ratio Lower Upper

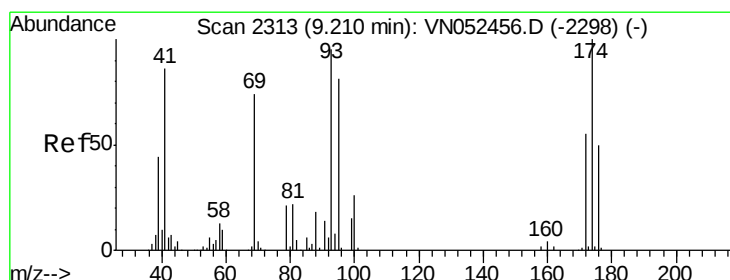
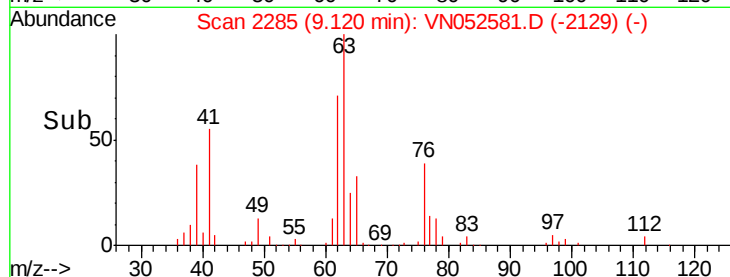
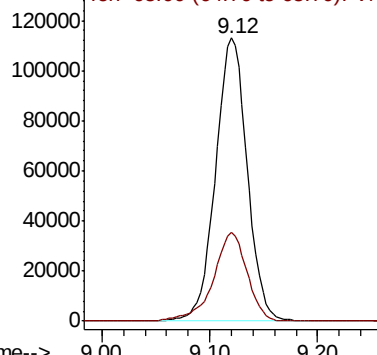
63 100

65 31.2 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.455 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

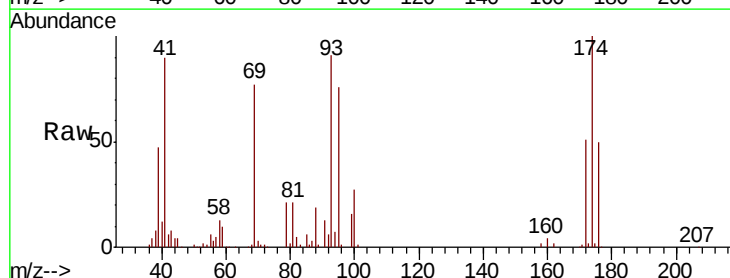
Tgt Ion: 93 Resp: 130653

Ion Ratio Lower Upper

93 100

95 83.7 0.0 168.4

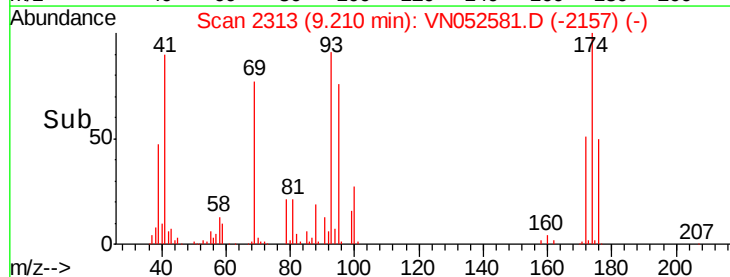
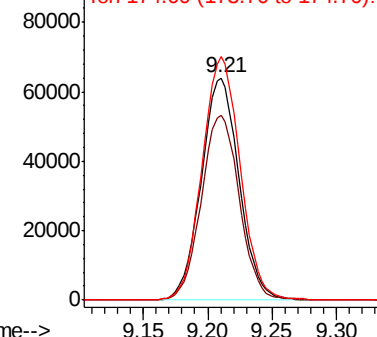
174 110.3 0.0 210.0

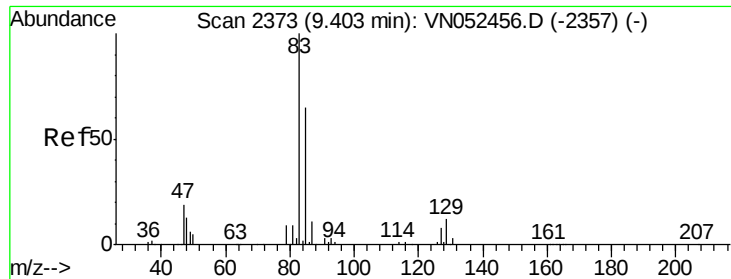


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

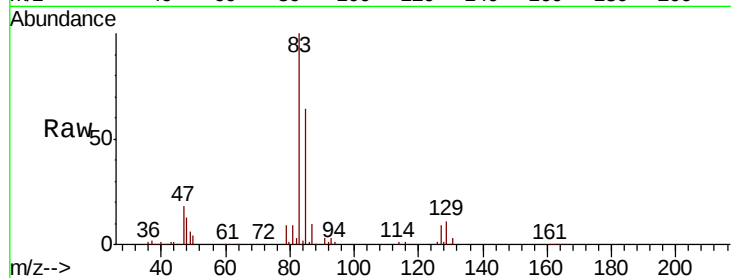




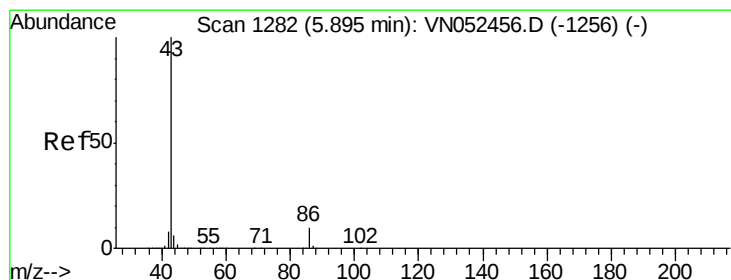
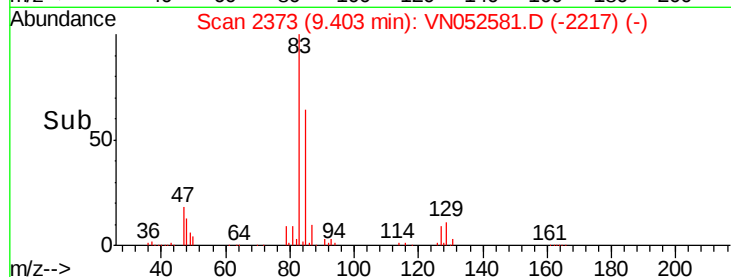
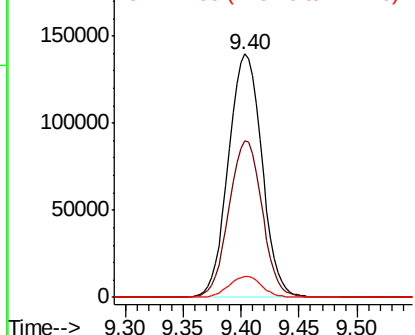
#41
 Bromodichloromethane
 Concen: 18.856 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

Tot Ion: 83 Resp: 279779
 Ion Ratio Lower Upper
 83 100
 85 64.3 52.4 78.6
 127 8.6 6.6 9.8

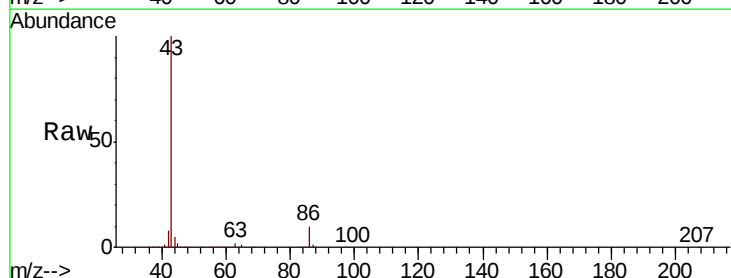


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): VN0

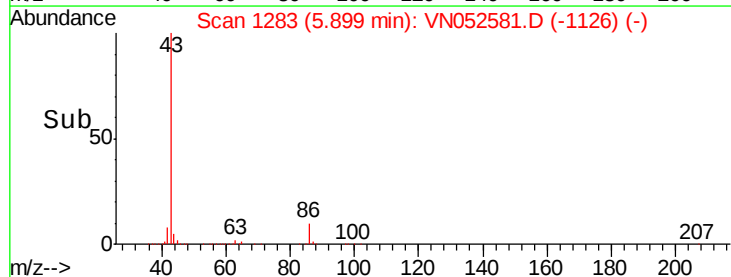
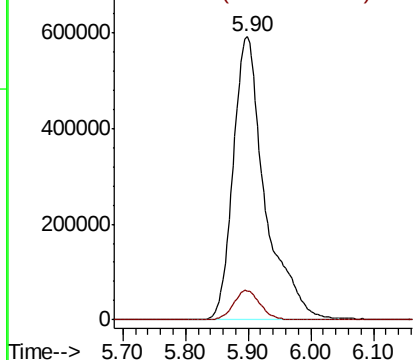


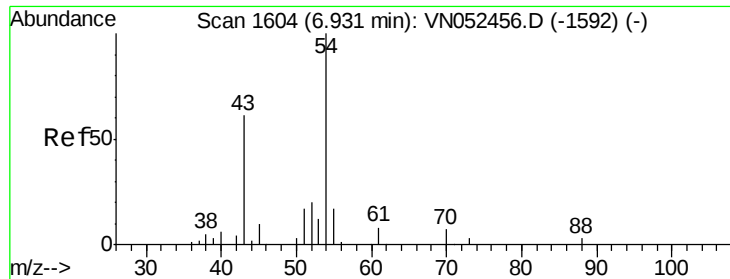
#42
 Vinyl Acetate
 Concen: 93.149 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion: 43 Resp: 2079551
 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: 18.831 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

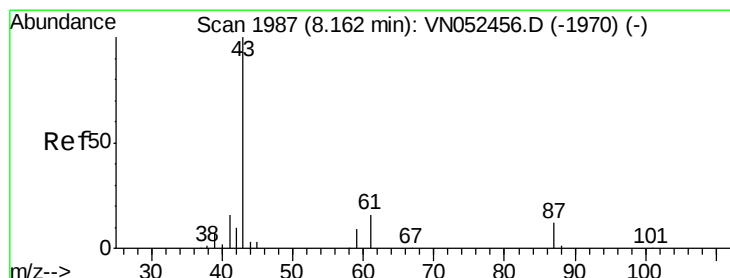
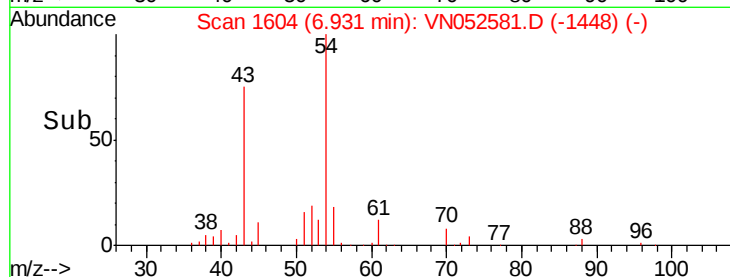
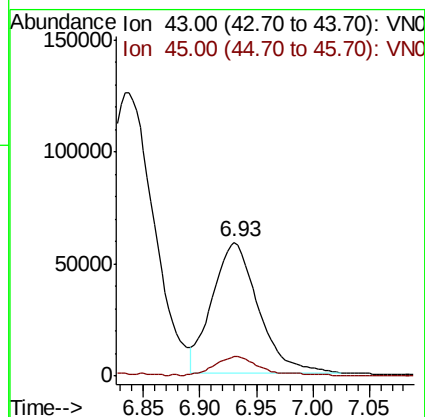
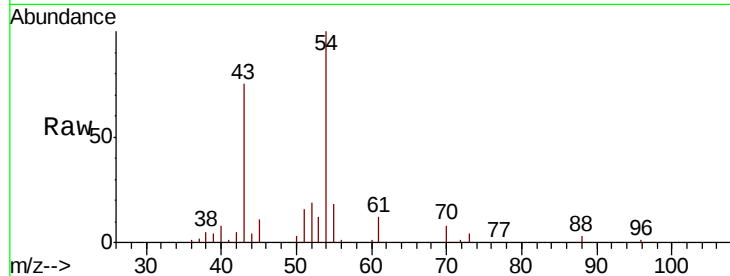
VN1129WBS02

Tot Ion: 43 Resp: 165223

Ion Ratio Lower Upper

43 100

45 12.4 1.0 1.6#



#44

Isopropyl Acetate

Concen: 20.078 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052581.D

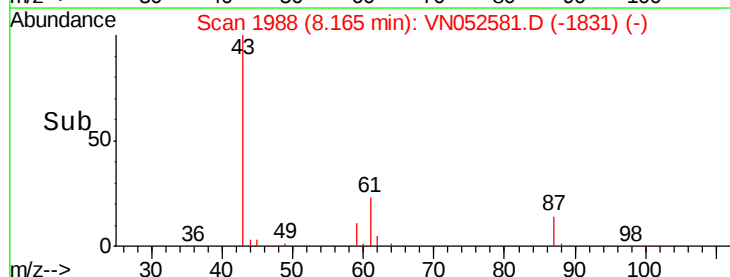
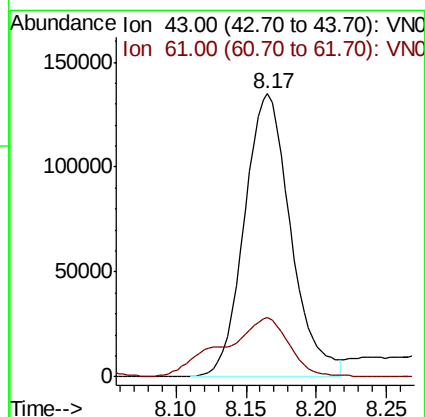
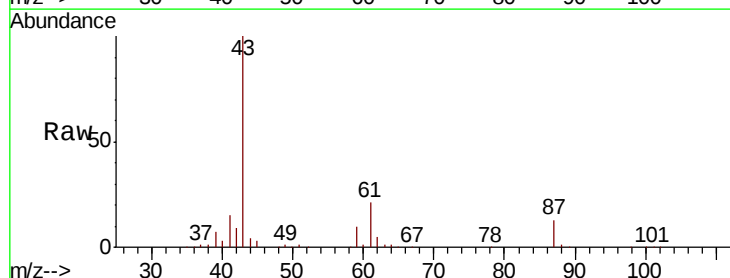
Acq: 29 Nov 2018 23:17

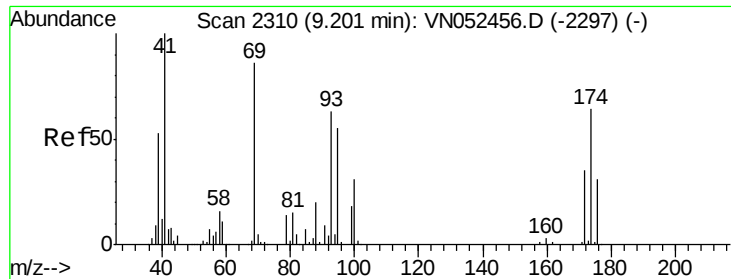
Tgt Ion: 43 Resp: 308951

Ion Ratio Lower Upper

43 100

61 29.1 16.0 24.0#

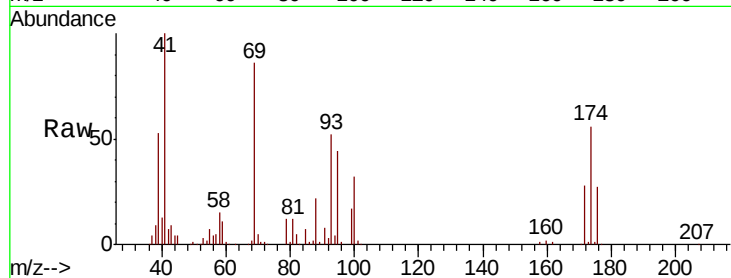




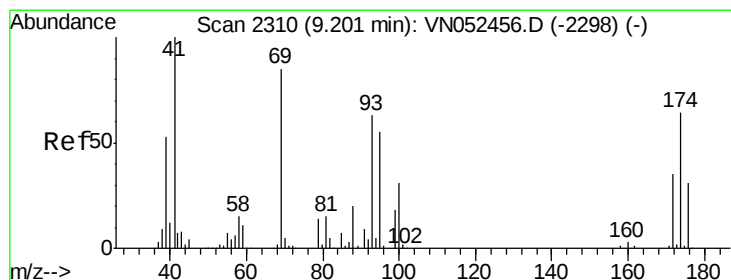
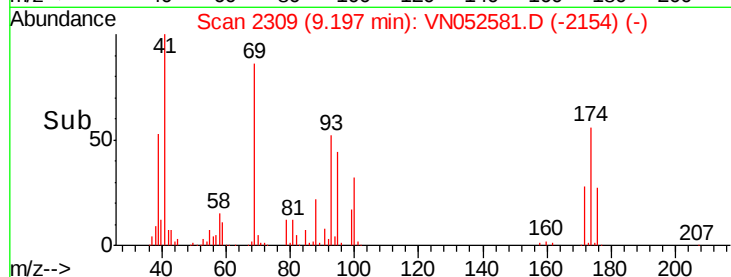
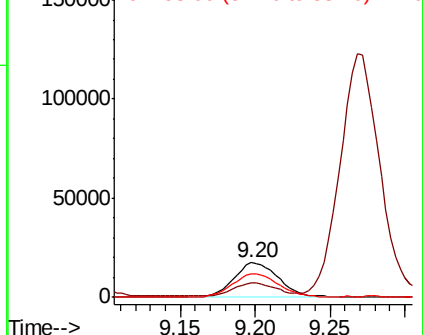
#45
 1,4-Dioxane
 Concen: 431.837 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

Tot Ion: 88 Resp: 36352
 Ion Ratio Lower Upper
 88 100
 43 36.2 29.5 44.3
 58 70.7 61.5 92.3

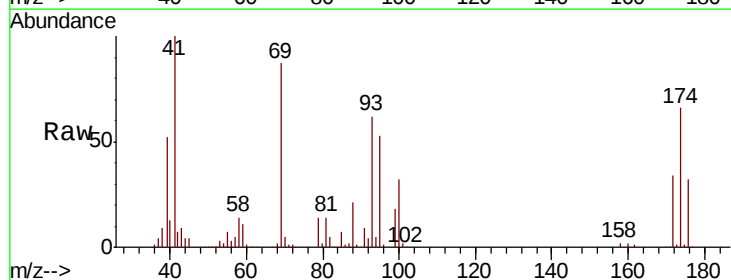


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

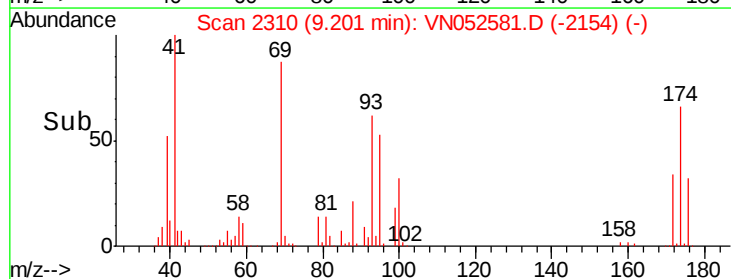
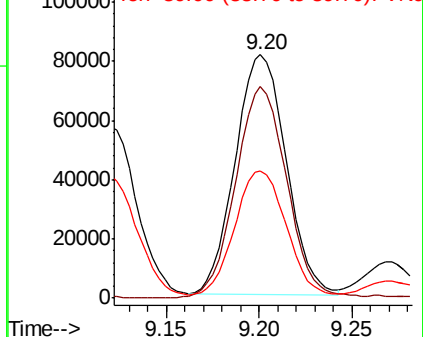


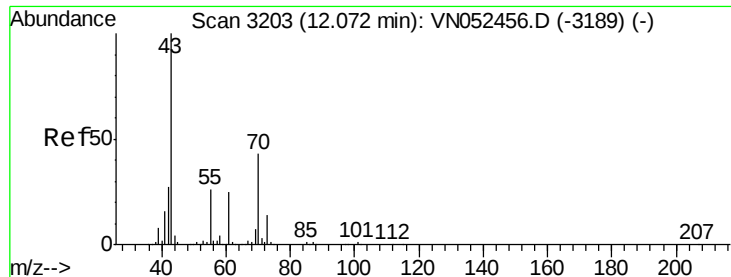
#46
 Methyl methacrylate
 Concen: 19.356 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion: 41 Resp: 154646
 Ion Ratio Lower Upper
 41 100
 69 87.6 42.5 127.6
 39 51.8 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

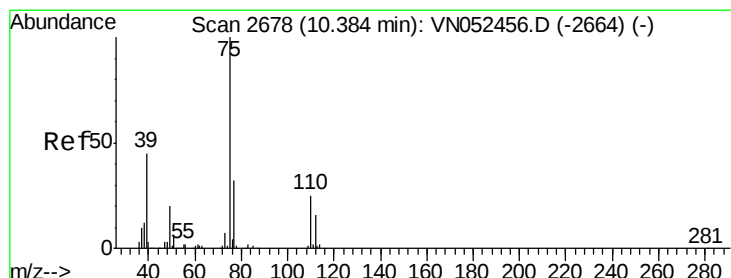
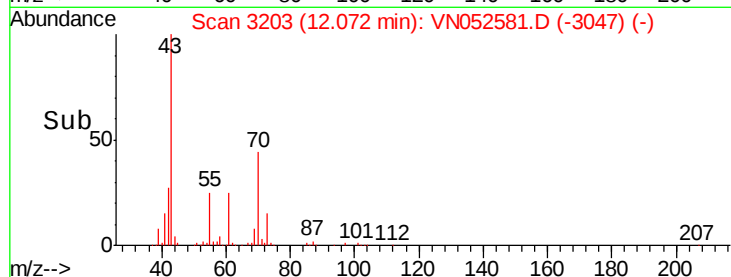
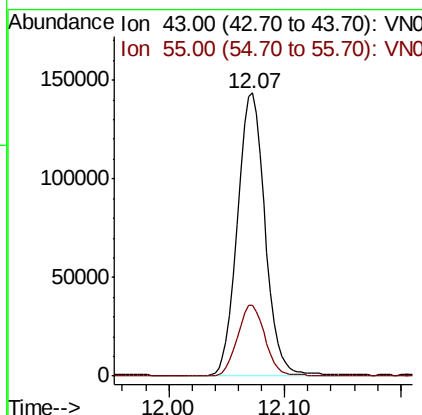
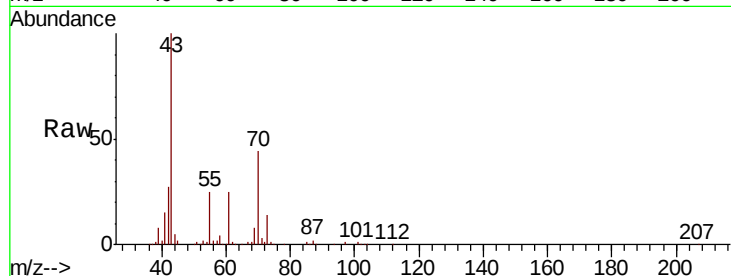




#47
n-amvl Acetate
Concen: 18.431 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

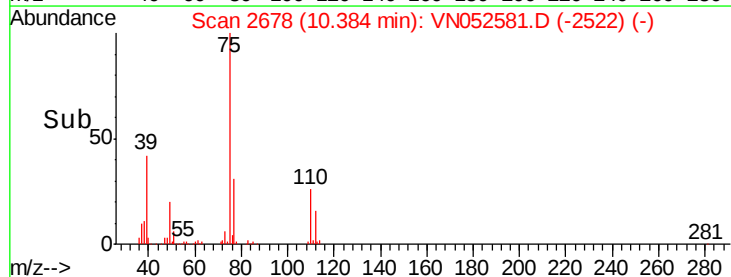
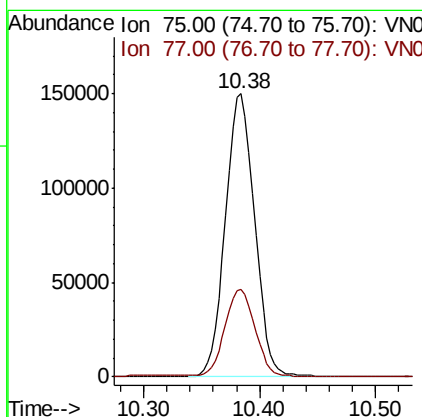
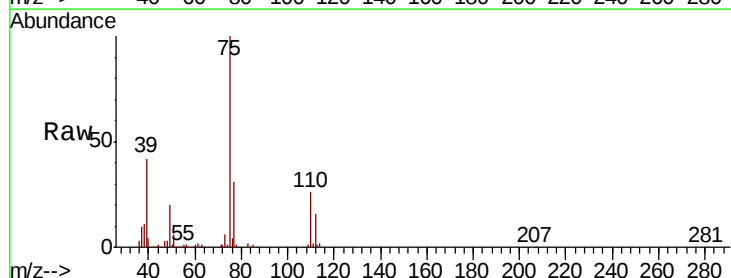
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

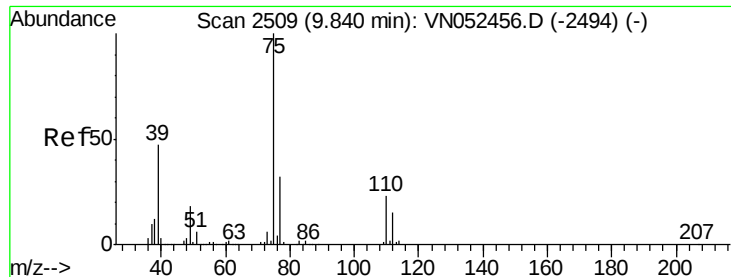
Tot Ion: 43 Resp: 235148
Ion Ratio Lower Upper
43 100
55 25.3 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 18.196 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion: 75 Resp: 261777
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4



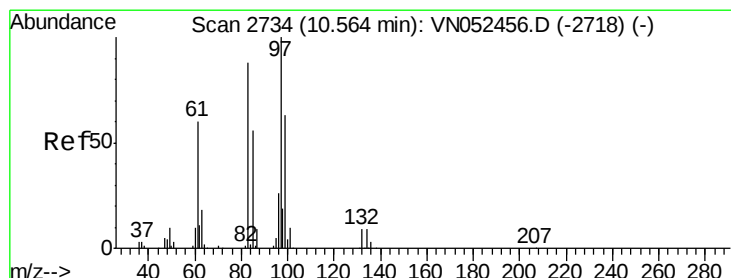
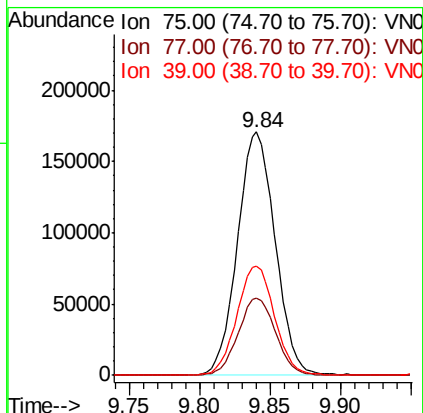
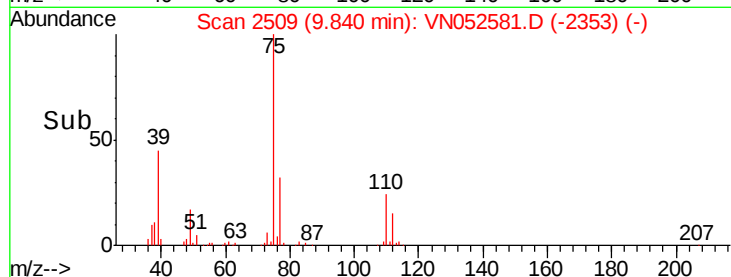
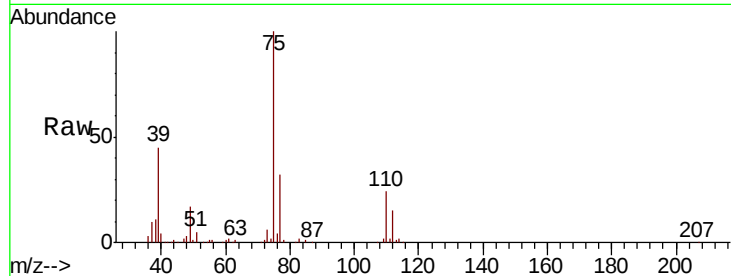


#49

cis-1,3-Dichloropropene
 Concen: 18.269 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

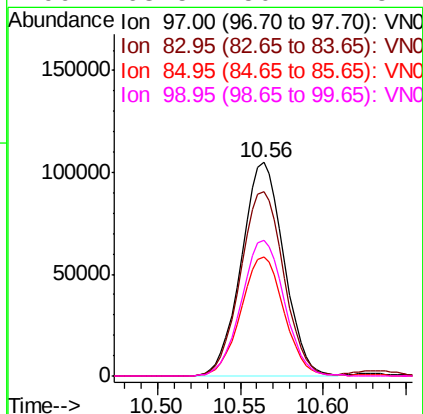
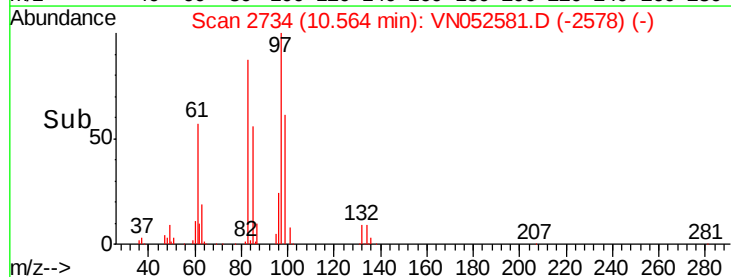
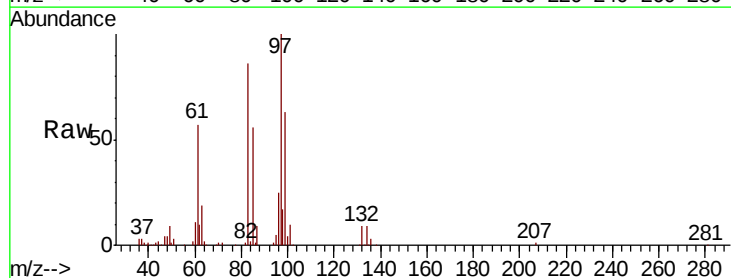
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	45.0	37.3	55.9

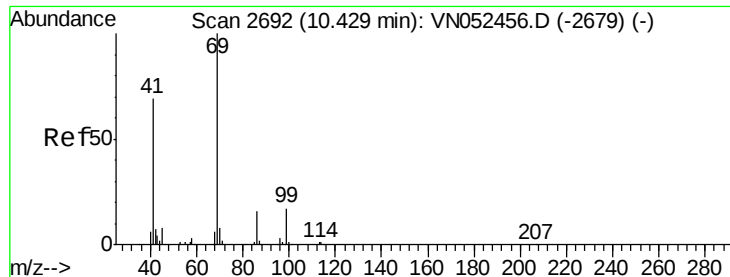


#50

1,1,2-Trichloroethane
 Concen: 19.681 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.4	105.6
85	55.8	45.0	67.6
99	63.5	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.529 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS02

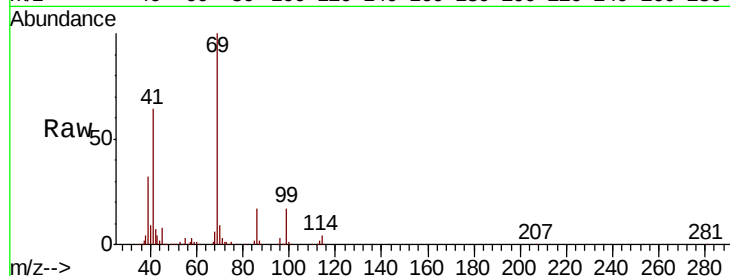
Tot Ion: 69 Resp: 233493

Ion Ratio Lower Upper

69 100

41 64.0 34.4 103.3

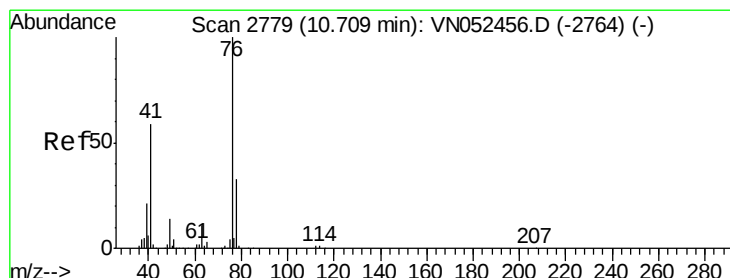
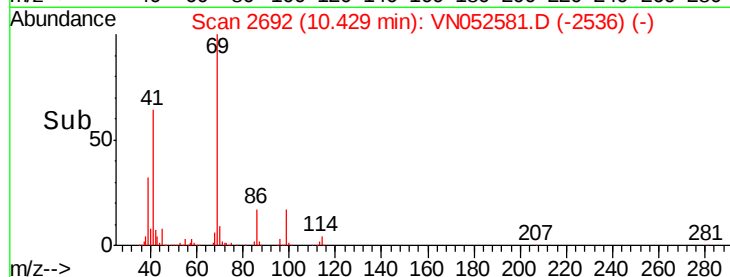
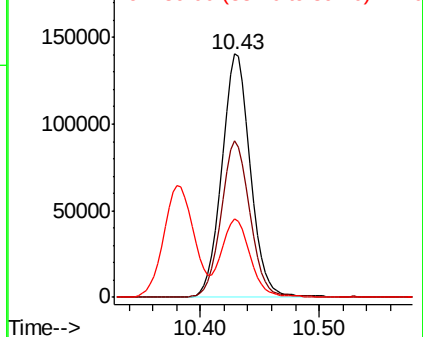
39 31.8 16.4 49.2



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: 19.201 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052581.D

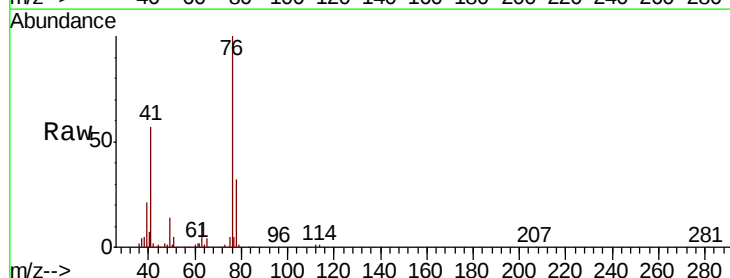
Acq: 29 Nov 2018 23:17

Tgt Ion: 76 Resp: 325352

Ion Ratio Lower Upper

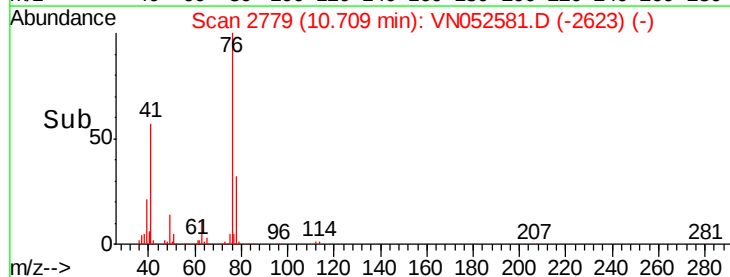
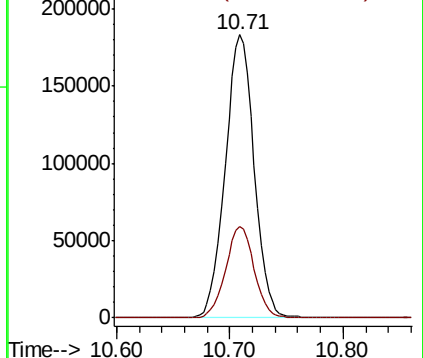
76 100

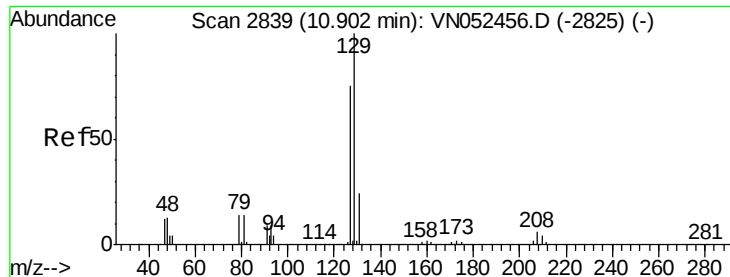
78 31.8 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.116 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

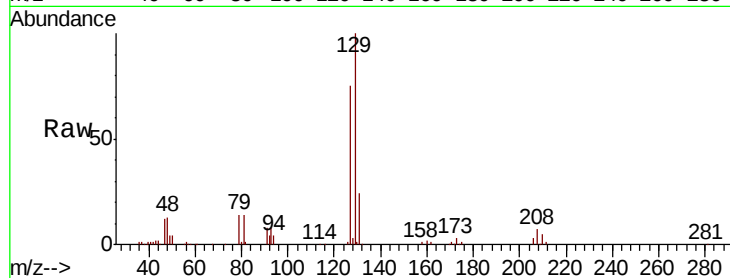
VN1129WBS02

Tot Ion:129 Resp: 200347

Ion Ratio Lower Upper

129 100

127 77.1 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

120000

100000

80000

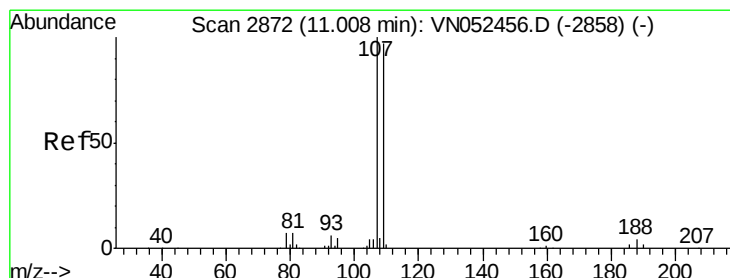
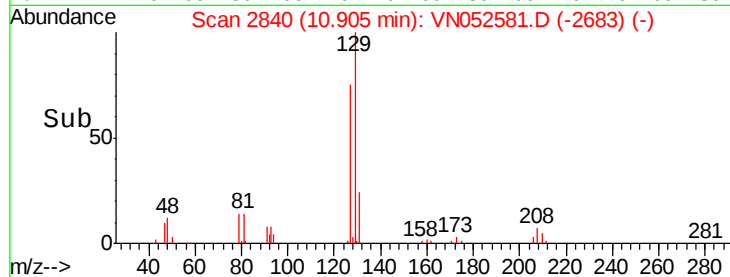
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 19.667 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052581.D

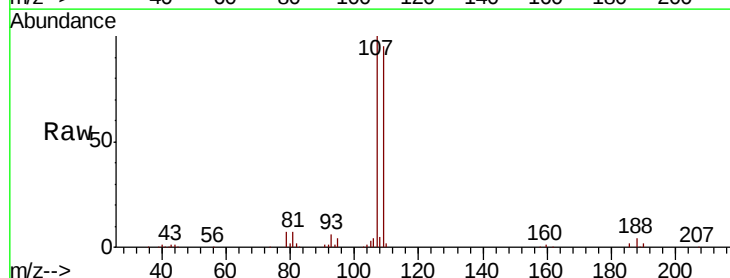
Acq: 29 Nov 2018 23:17

Tgt Ion:107 Resp: 182948

Ion Ratio Lower Upper

107 100

109 95.8 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

120000

100000

80000

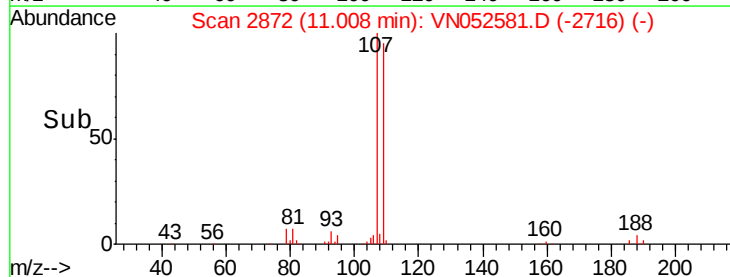
60000

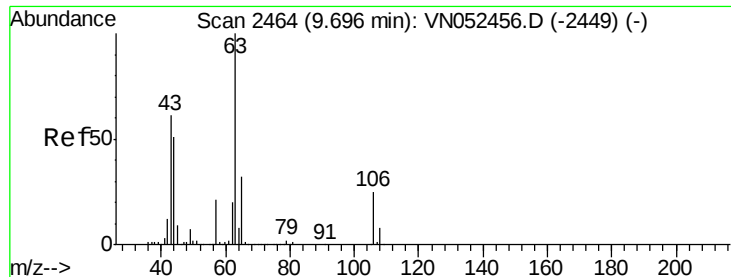
40000

20000

0

Time-->

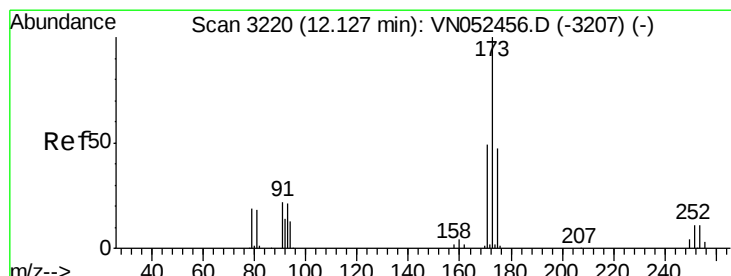
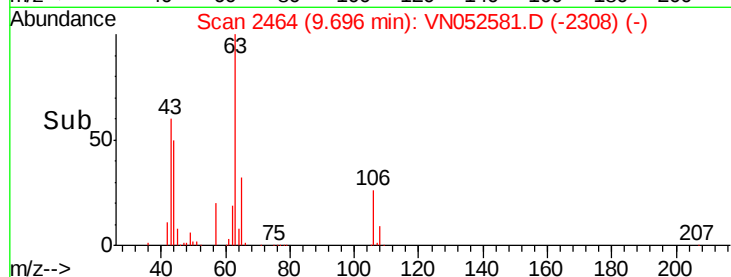
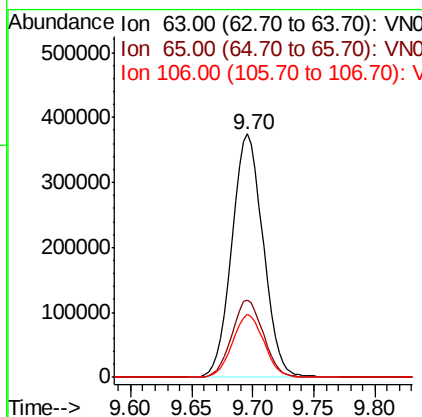
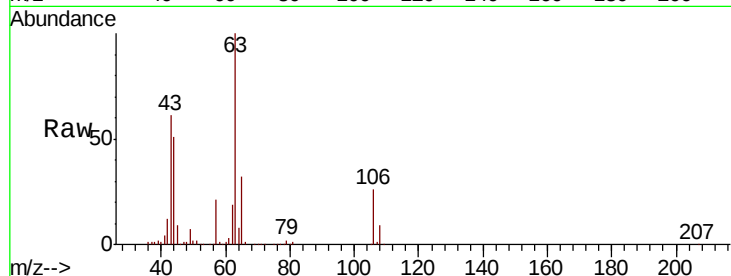




#55
2-Chloroethyl vinyl ether
Concen: 95.716 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

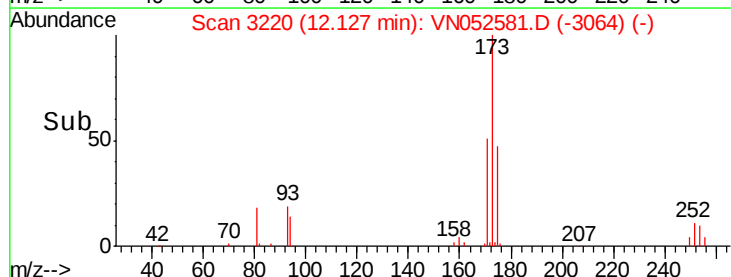
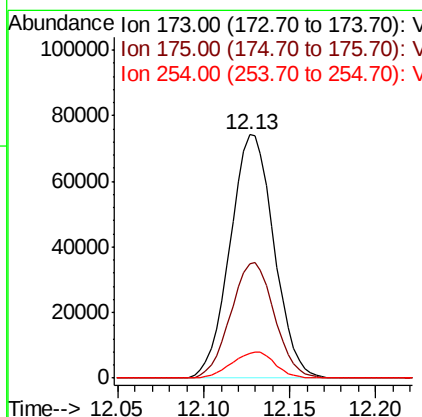
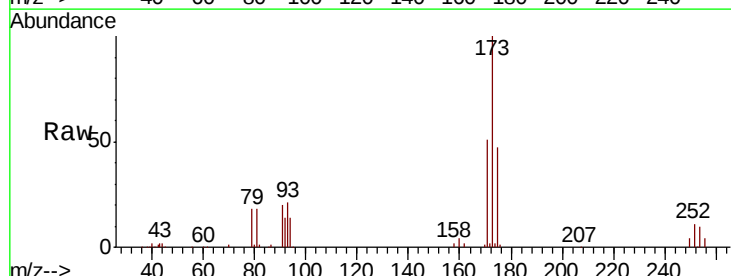
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

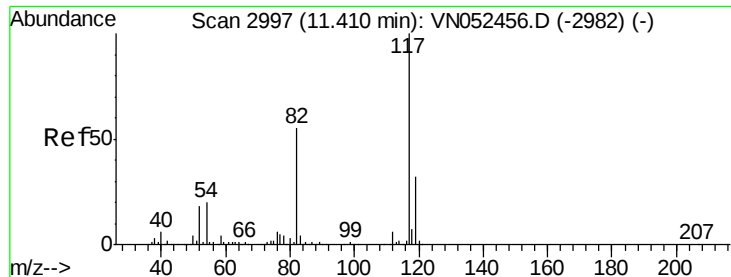
Tot Ion: 63 Resp: 669861
Ion Ratio Lower Upper
63 100
65 32.0 25.4 38.2
106 26.0 20.4 30.6



#56
Bromoform
Concen: 19.214 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion: 173 Resp: 131627
Ion Ratio Lower Upper
173 100
175 47.2 38.7 58.1
254 10.5 8.4 12.6

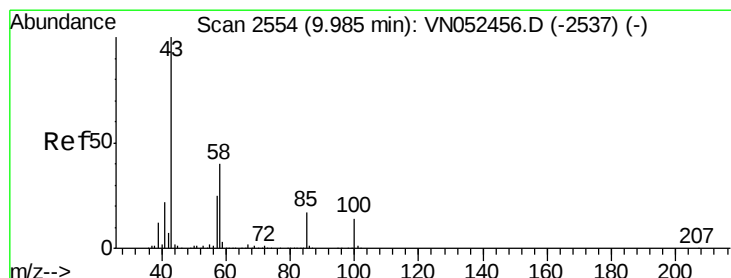
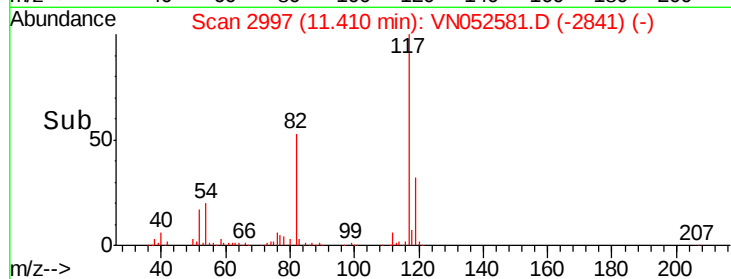
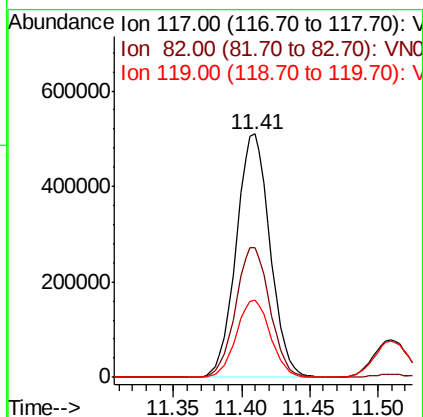
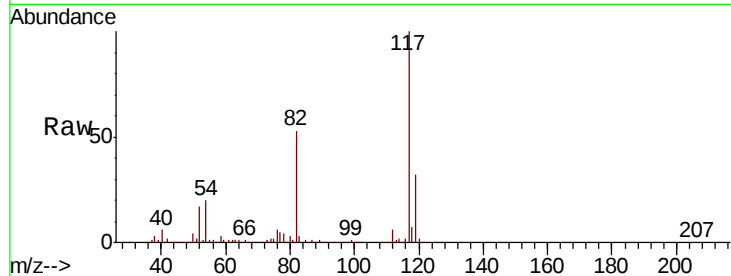




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

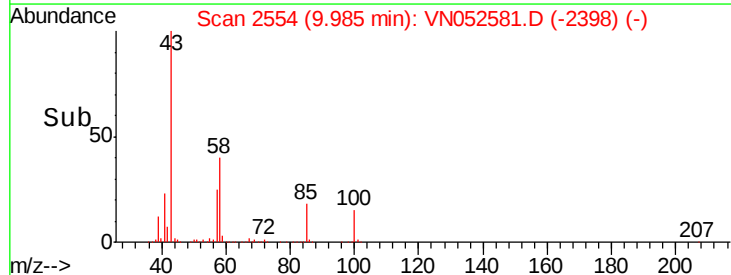
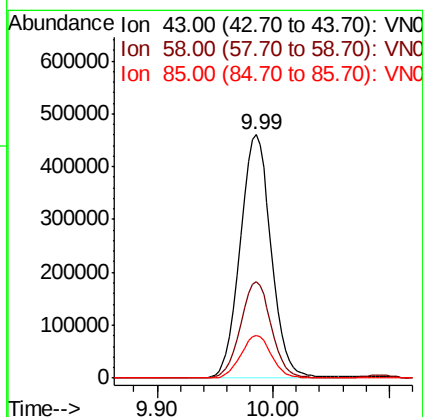
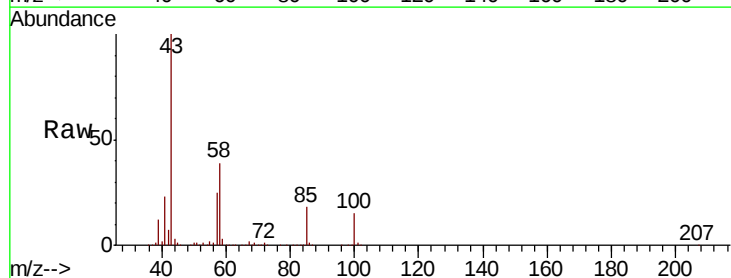
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

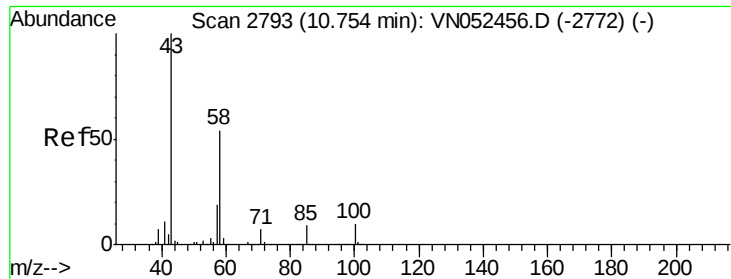
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	32.1	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 100.060 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4
85	17.6	13.3	19.9

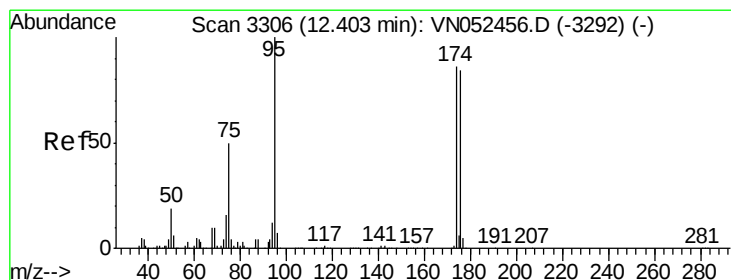
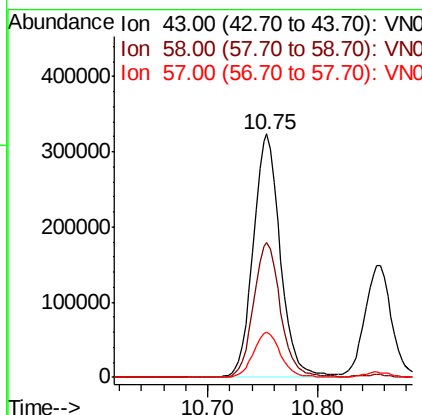
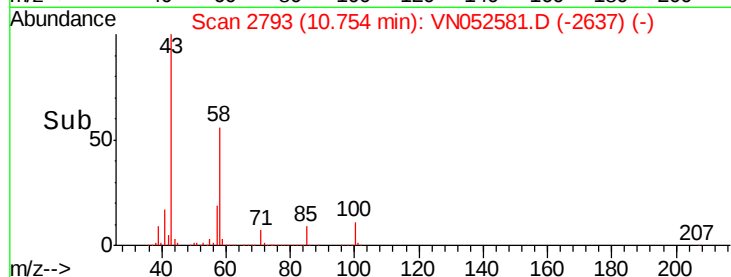
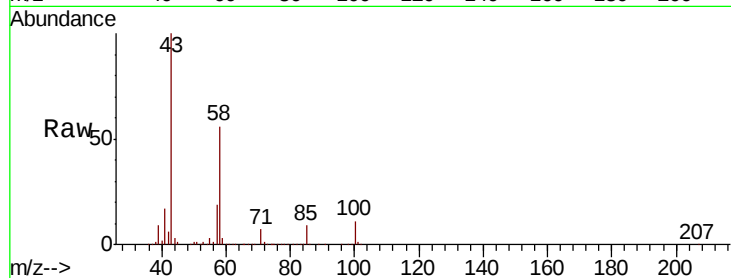




#59
2-Hexanone
Concen: 94.136 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

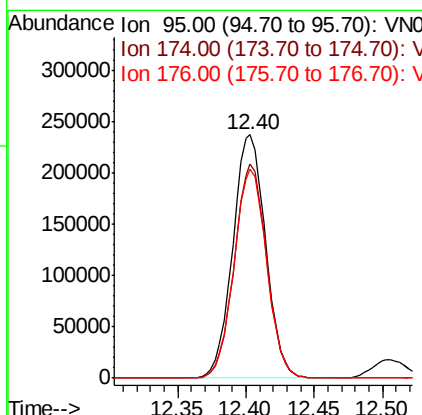
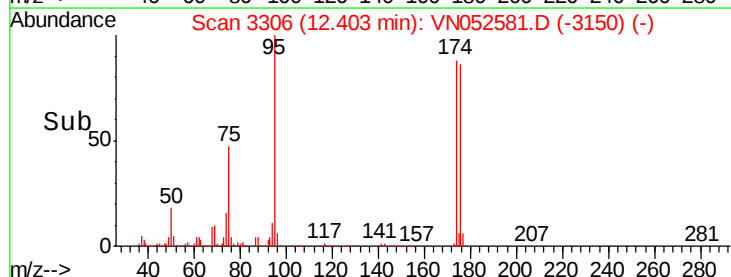
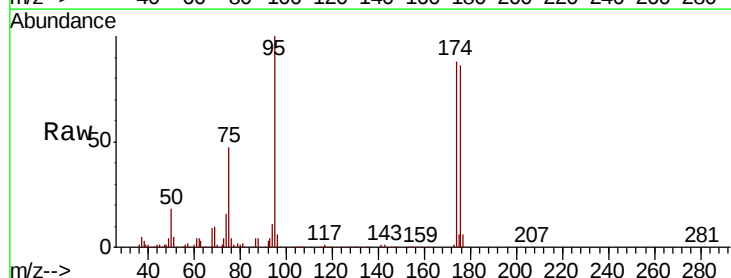
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

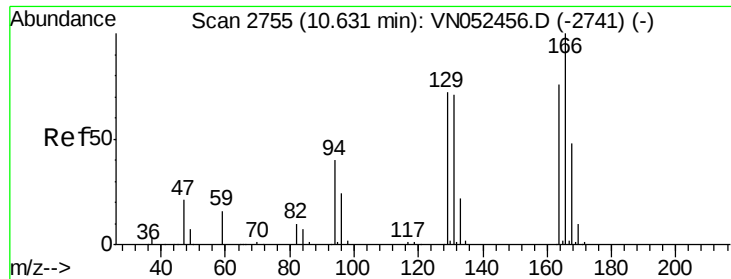
Tot Ion: 43 Resp: 546450
Ion Ratio Lower Upper
43 100
58 55.7 43.2 64.8
57 18.9 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 94.136 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion: 95 Resp: 396085
Ion Ratio Lower Upper
95 100
174 86.6 67.9 101.9
176 85.5 66.4 99.6





#61

Tetrachloroethene

Concen: 20.580 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS02

Tot Ion:164 Resp: 222169

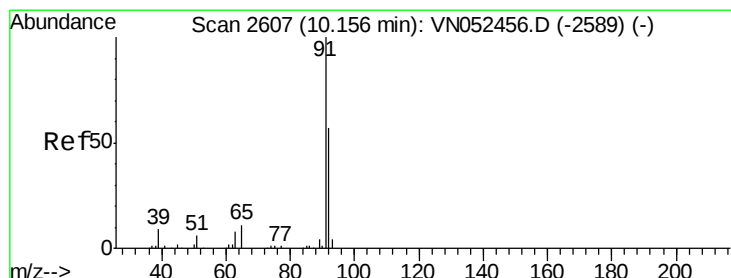
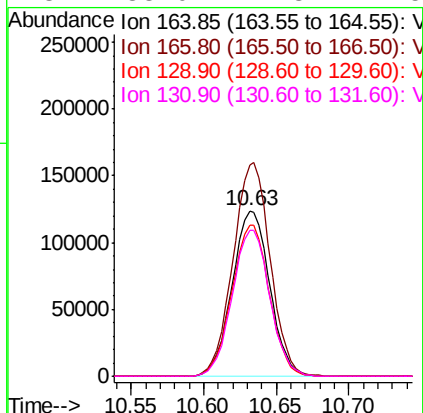
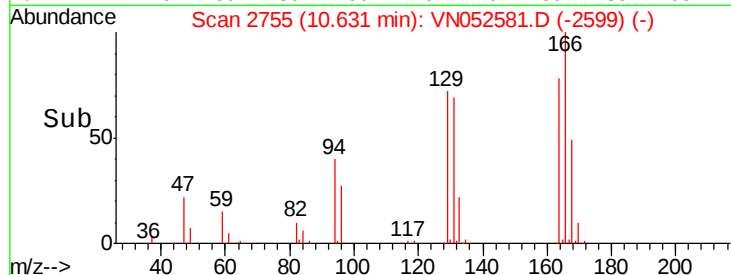
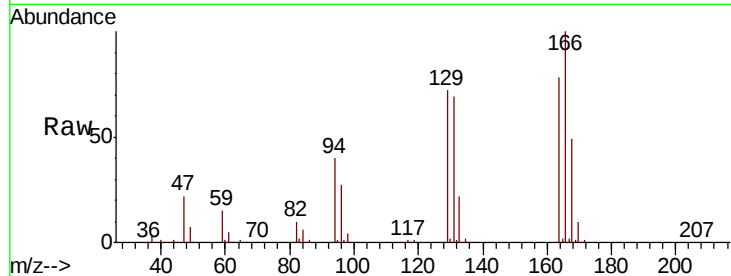
Ion Ratio Lower Upper

164 100

166 127.8 104.6 157.0

129 91.5 75.3 112.9

131 88.0 74.3 111.5



#62

Toluene

Concen: 19.279 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052581.D

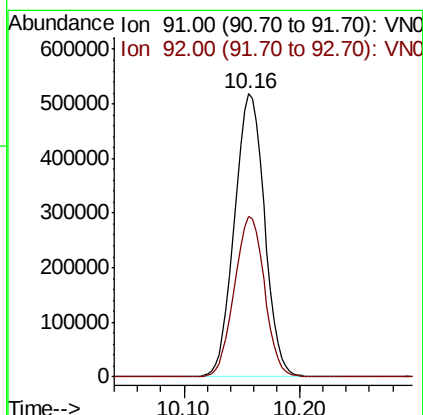
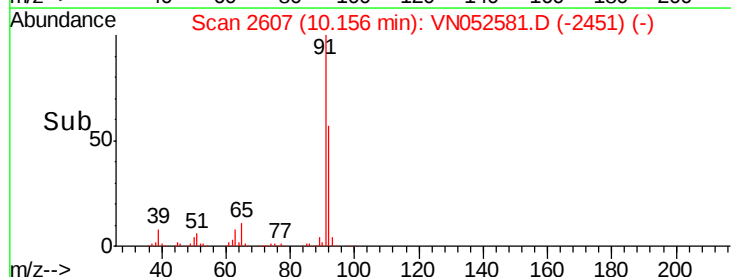
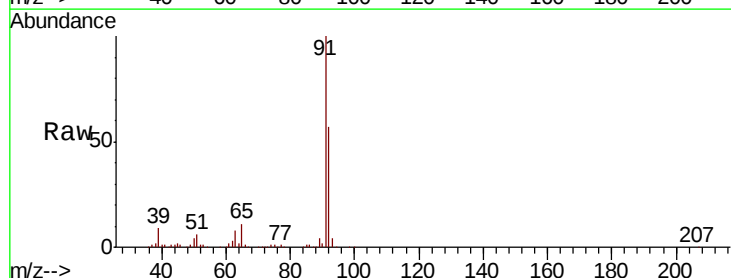
Acq: 29 Nov 2018 23:17

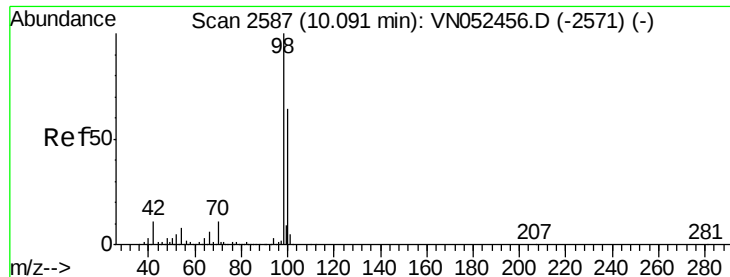
Tgt Ion: 91 Resp: 931571

Ion Ratio Lower Upper

91 100

92 56.8 45.4 68.2





#63

Toluene-d8

Concen: 19.279 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

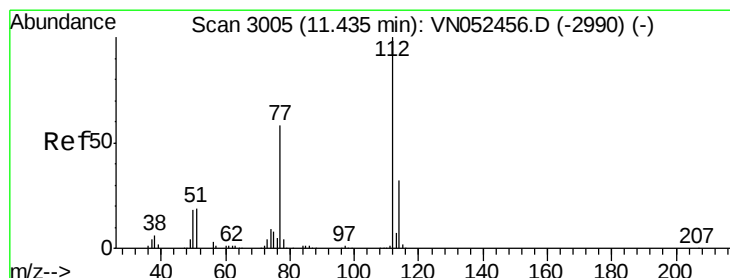
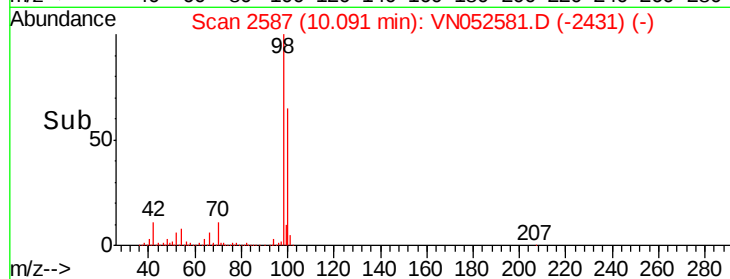
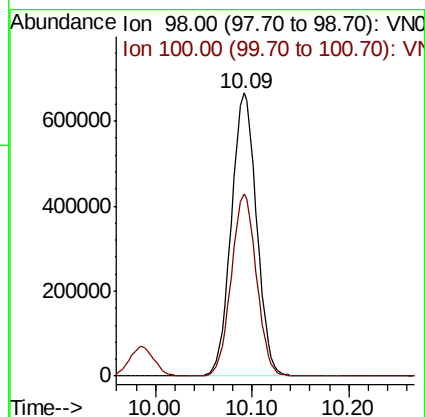
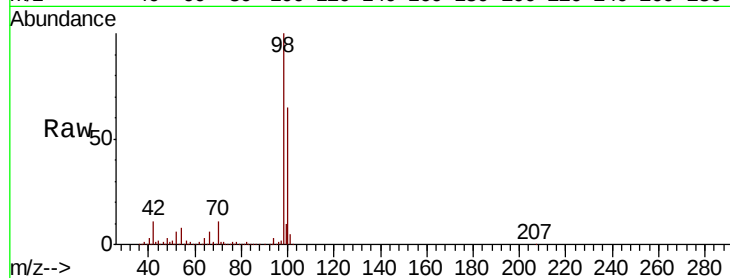
VN1129WBS02

Tot Ion: 98 Resp: 1207577

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#64

Chlorobenzene

Concen: 19.234 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN052581.D

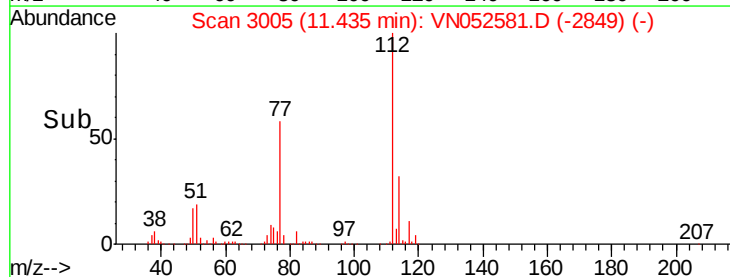
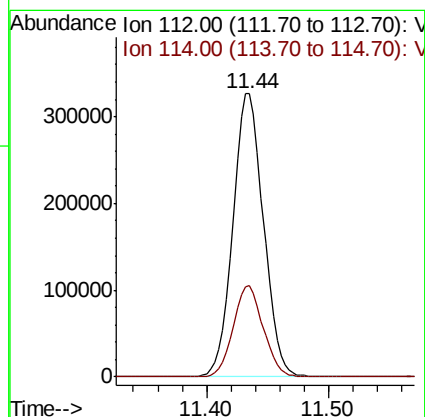
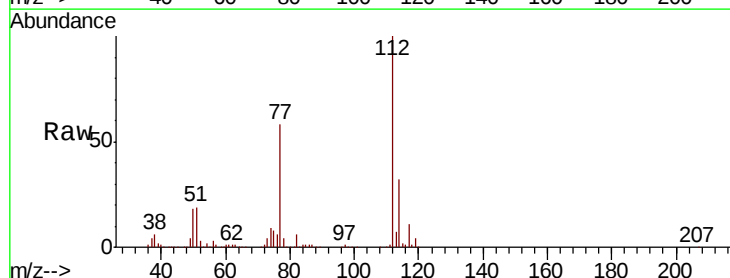
Acq: 29 Nov 2018 23:17

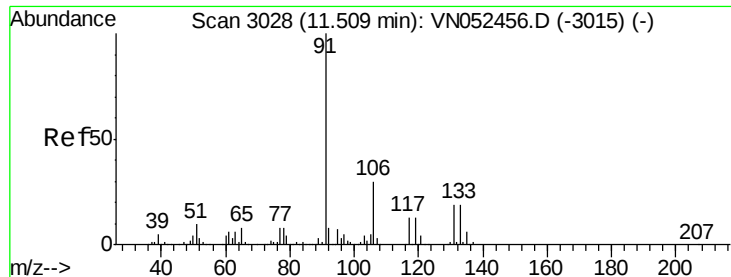
Tgt Ion: 112 Resp: 567276

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.398 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampled :

VN1129WBS02

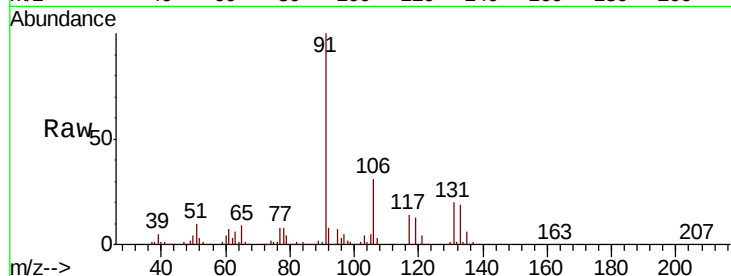
Tot Ion:131 Resp: 198582

Ion Ratio Lower Upper

131 100

133 95.8 0.0 193.4

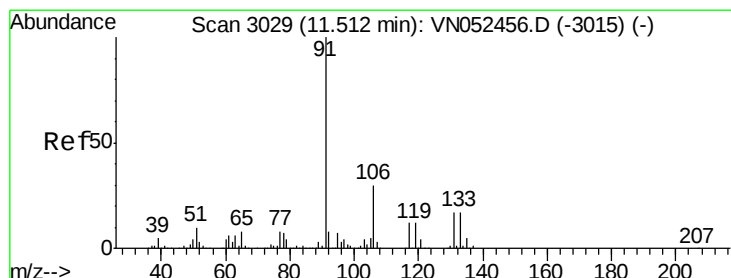
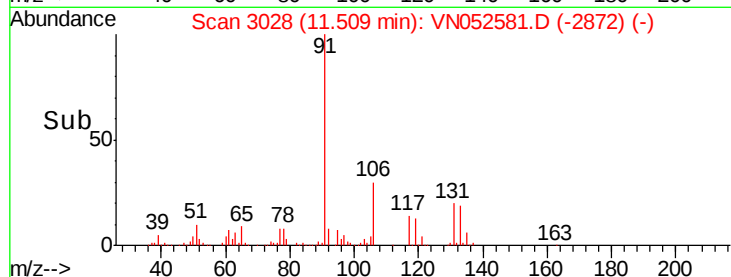
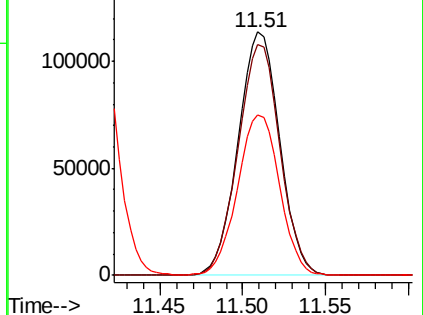
119 66.9 0.0 133.0



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: 18.947 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052581.D

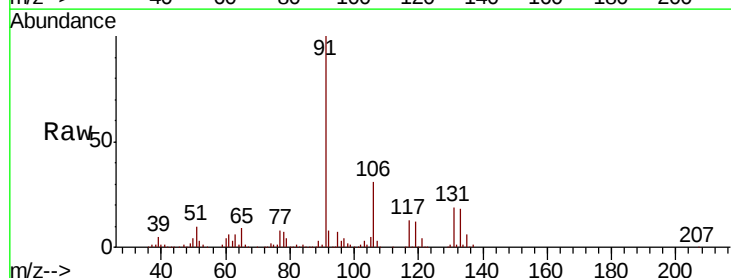
Acq: 29 Nov 2018 23:17

Tgt Ion: 91 Resp: 986725

Ion Ratio Lower Upper

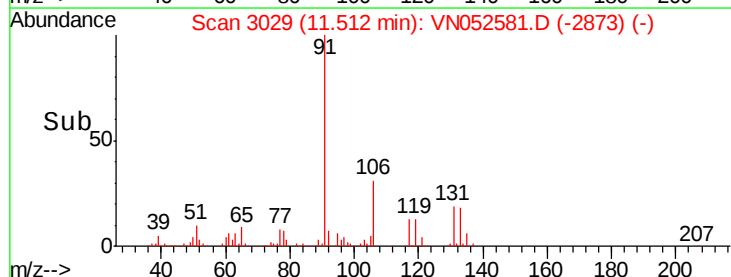
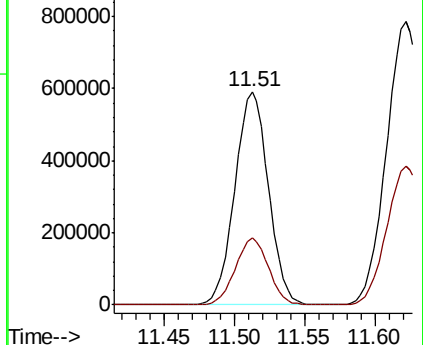
91 100

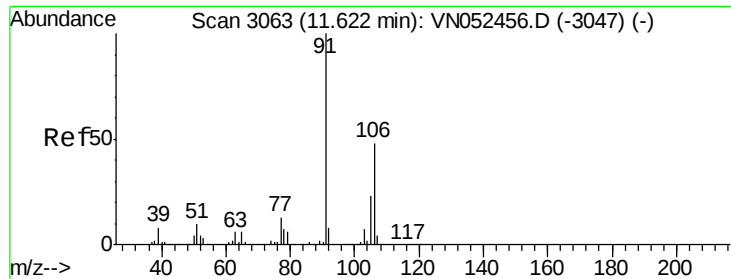
106 31.2 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

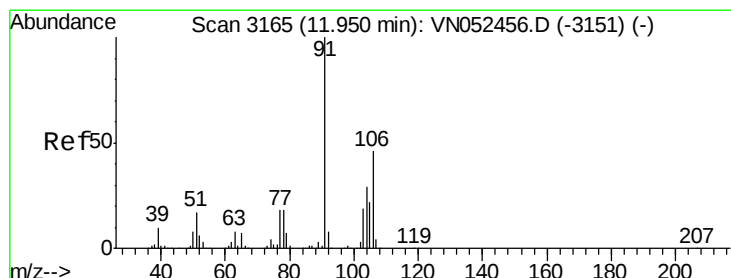
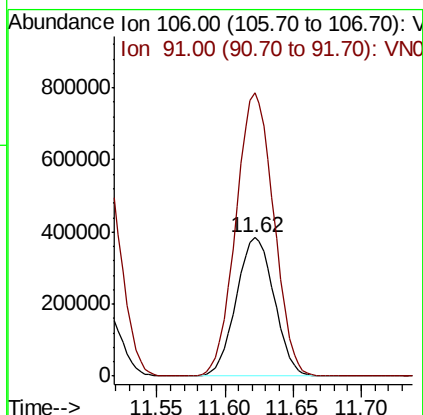
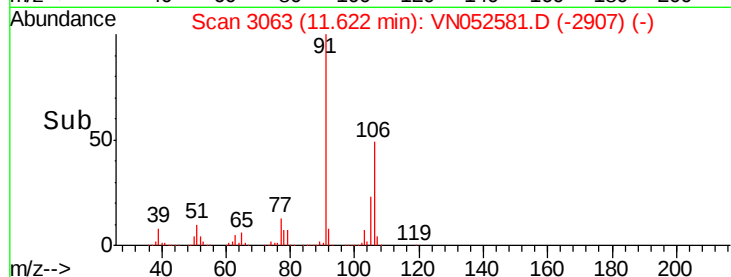
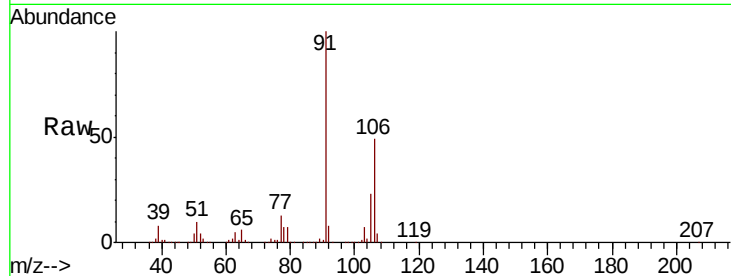




#67
m/p-Xylenes
Concen: 38.382 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

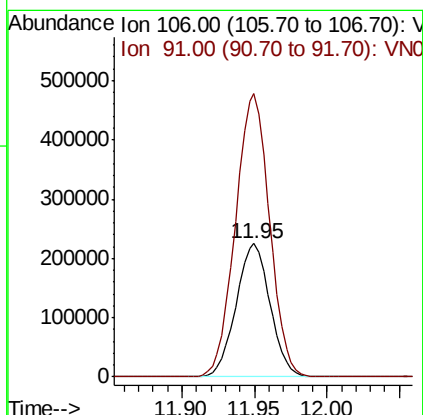
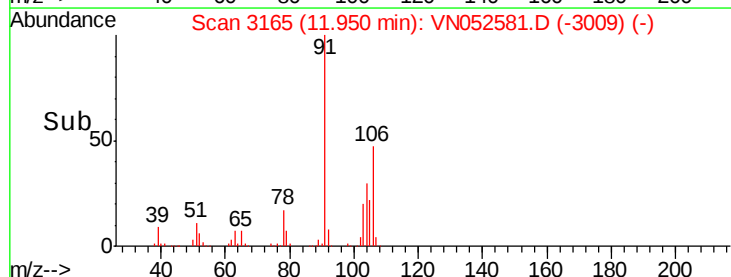
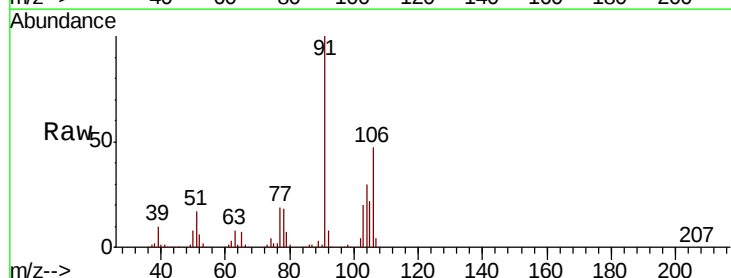
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

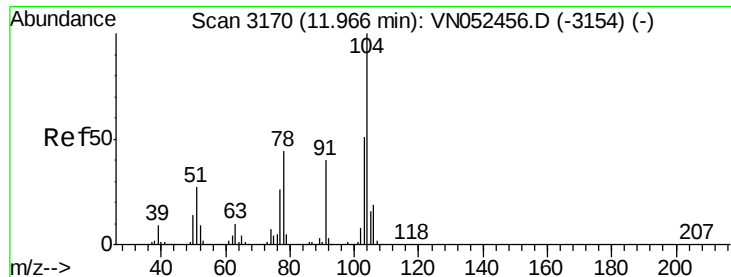
Tot Ion:106 Resp: 744682
Ion Ratio Lower Upper
106 100
91 203.5 163.9 245.9



#68
o-Xylene
Concen: 19.397 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion:106 Resp: 365277
Ion Ratio Lower Upper
106 100
91 214.0 107.8 323.4

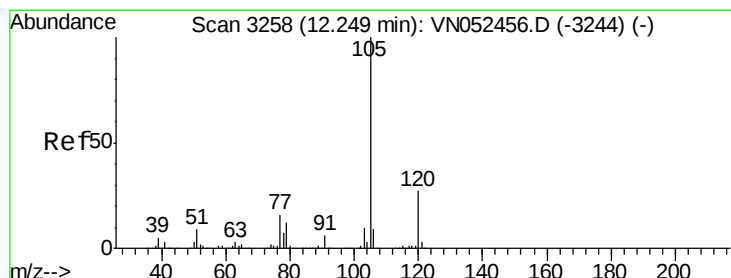
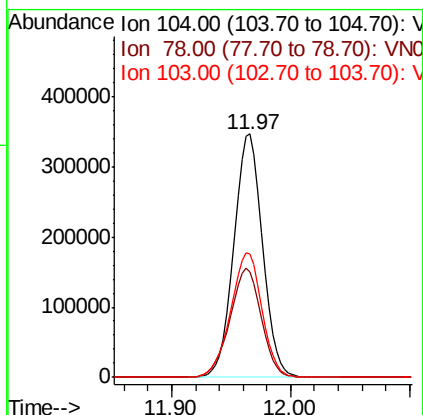
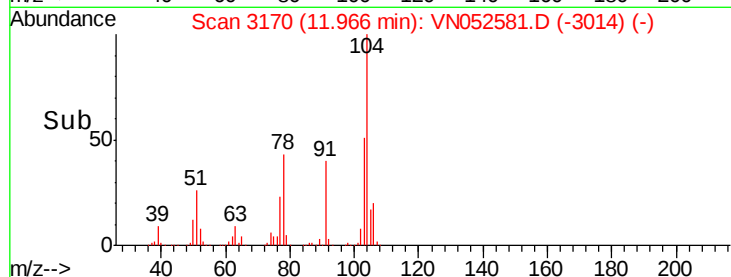
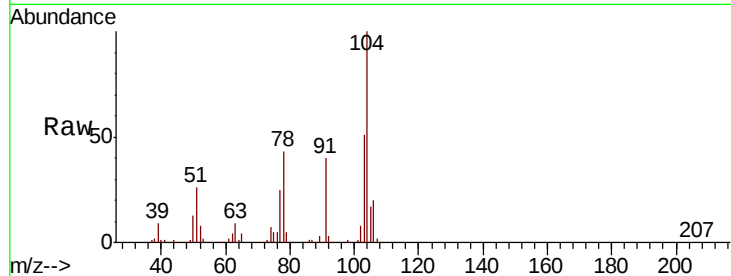




#69
Stvrene
Concen: 19.075 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

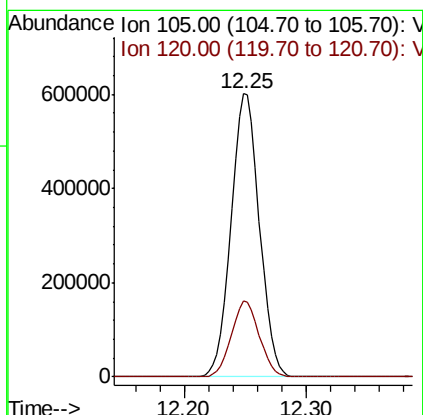
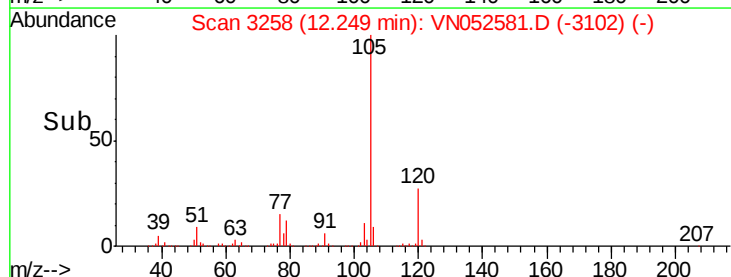
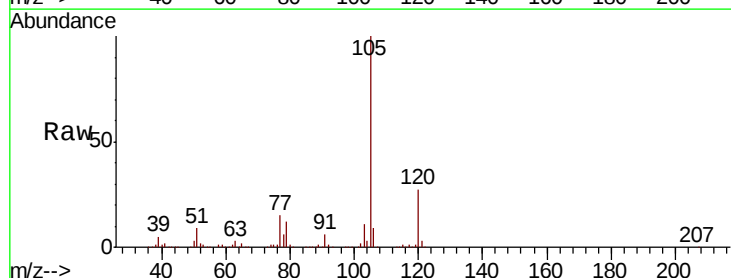
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS02

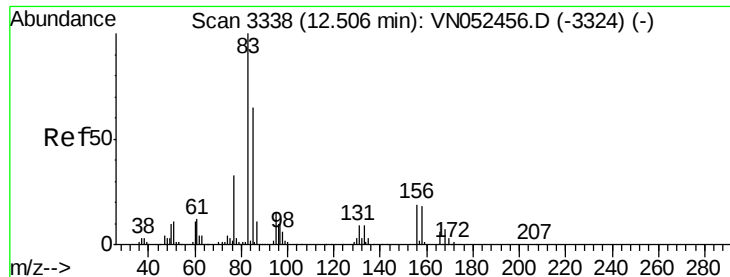
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.3	58.9
103	55.9	44.6	66.8



#70
Isopropylbenzene
Concen: 19.353 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052581.D
Acq: 29 Nov 2018 23:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.6

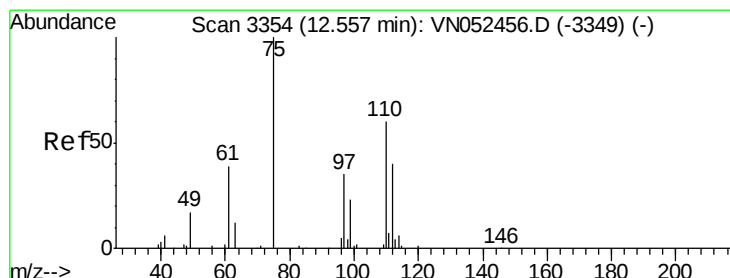
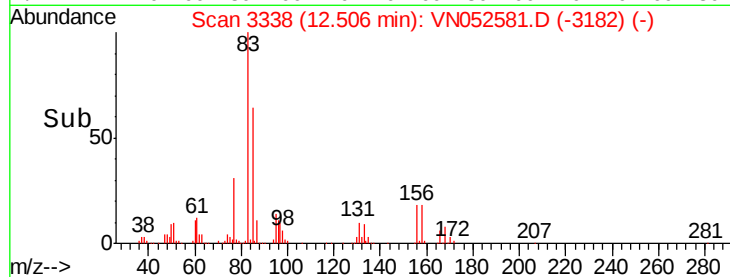
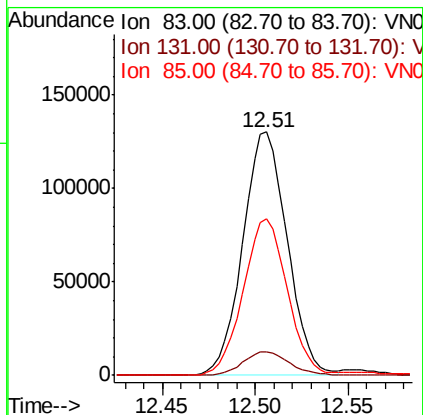
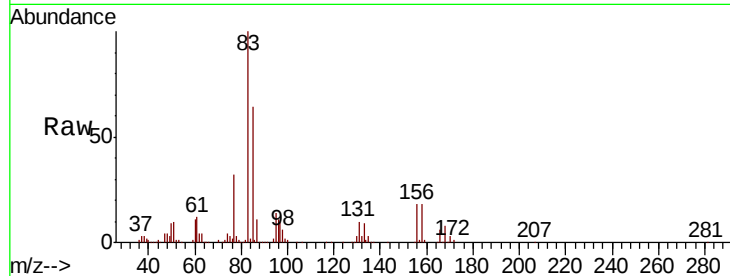




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.915 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

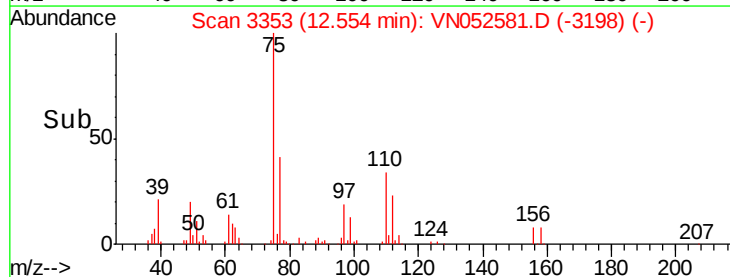
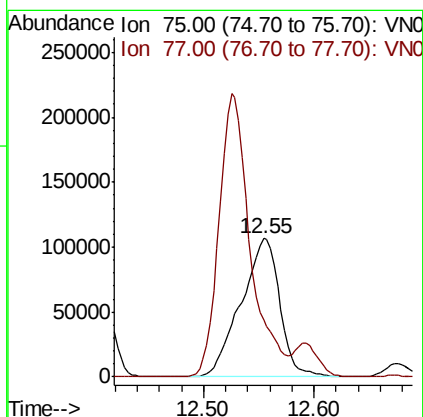
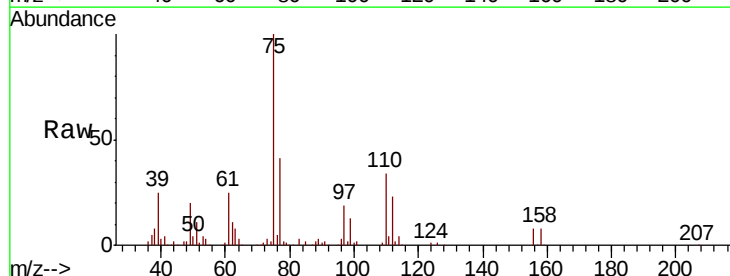
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

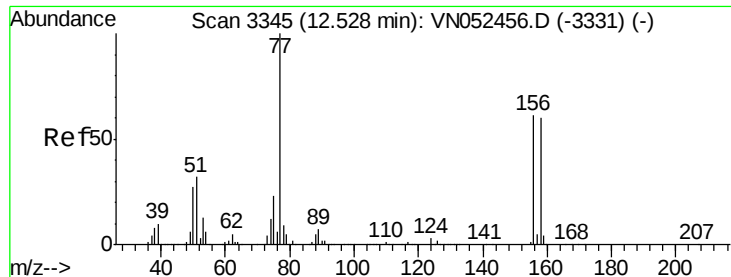
Tot Ion	83	Resp	217057
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	63.5	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 27.882 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion	75	Resp	260874
Ion Ratio	Lower	Upper	
75	100		
77	164.6	0.0	514.8





#73

Bromobenzene

Concen: 19.700 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampled :

VN1129WBS02

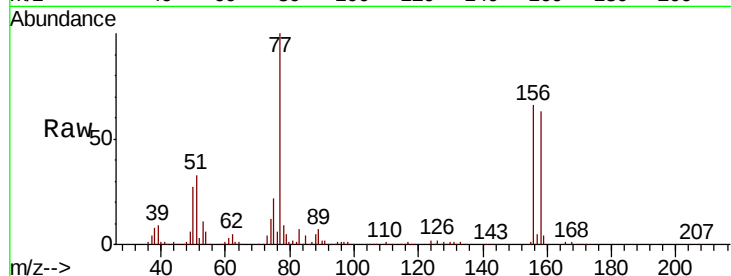
Tot Ion:156 Resp: 238728

Ion Ratio Lower Upper

156 100

77 179.9 0.0 382.6

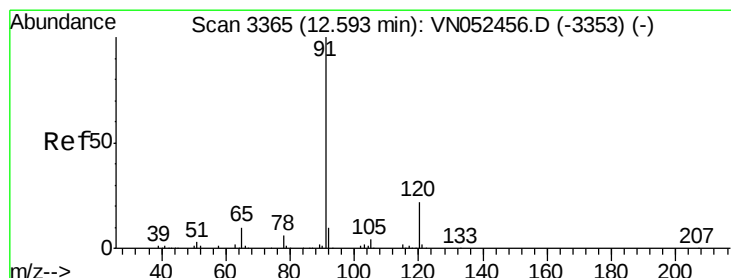
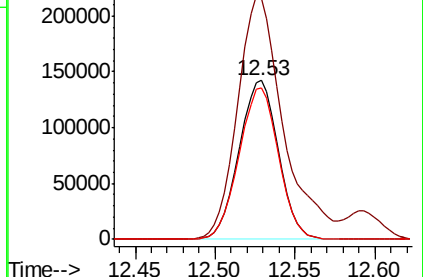
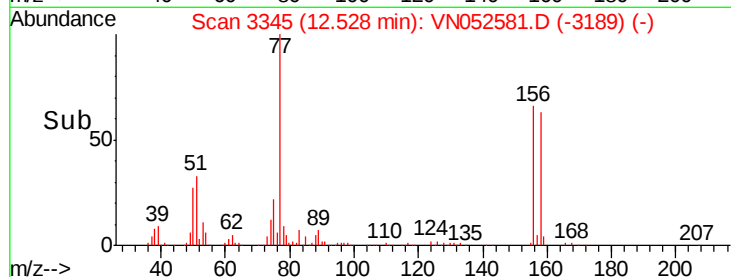
158 96.0 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.526 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052581.D

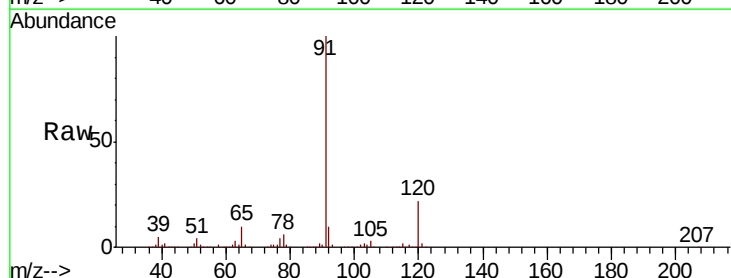
Acq: 29 Nov 2018 23:17

Tgt Ion: 91 Resp: 1081533

Ion Ratio Lower Upper

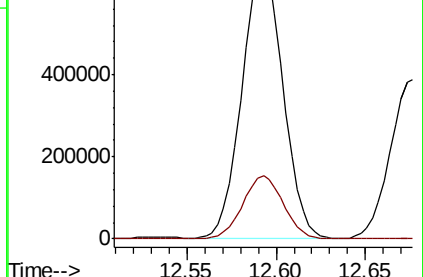
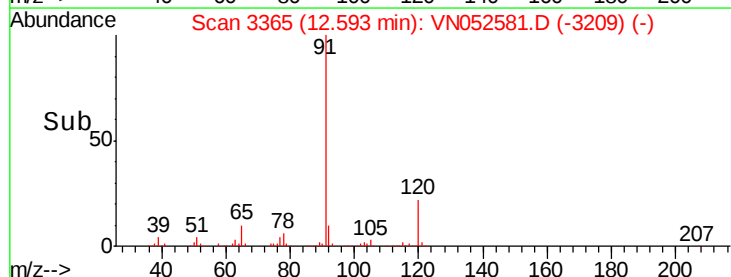
91 100

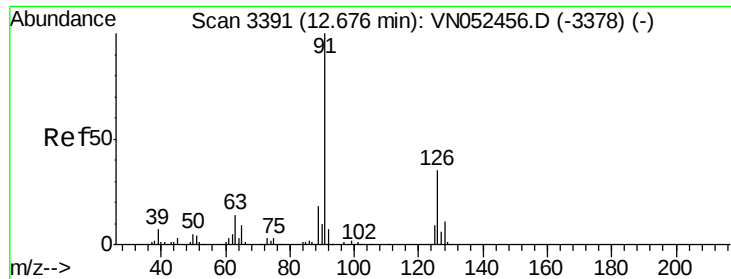
120 22.7 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.095 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

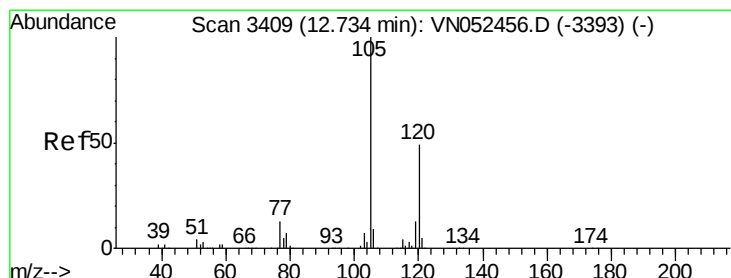
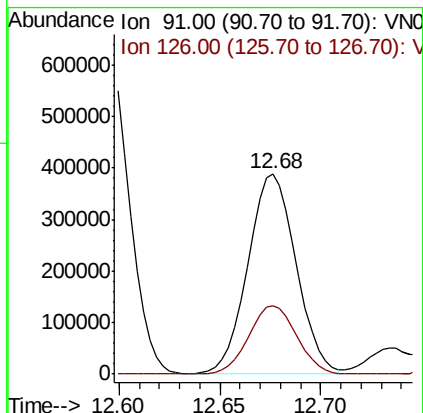
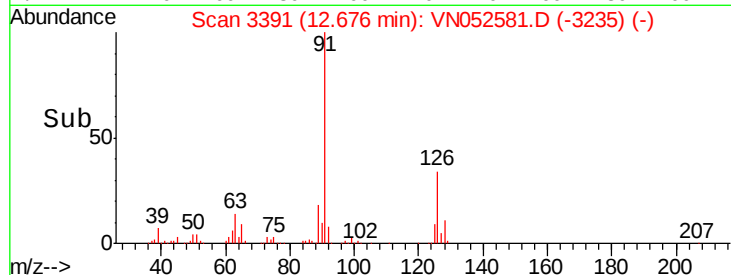
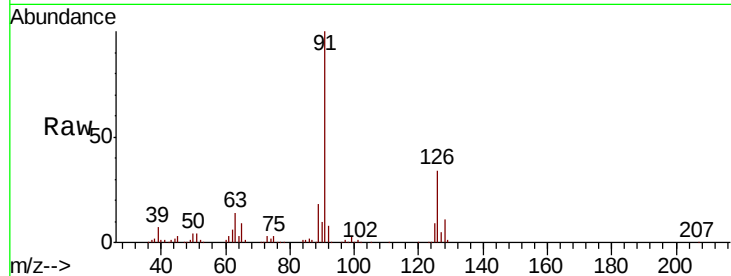
VN1129WBS02

Tot Ion: 91 Resp: 647068

Ion Ratio Lower Upper

91 100

126 34.4 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 19.235 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052581.D

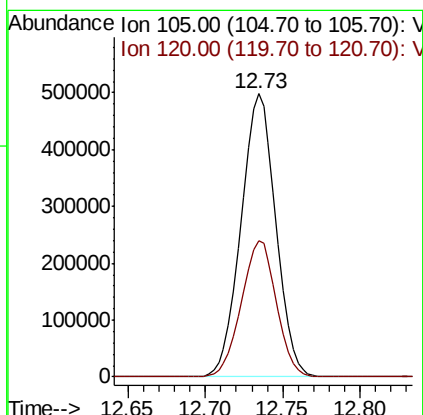
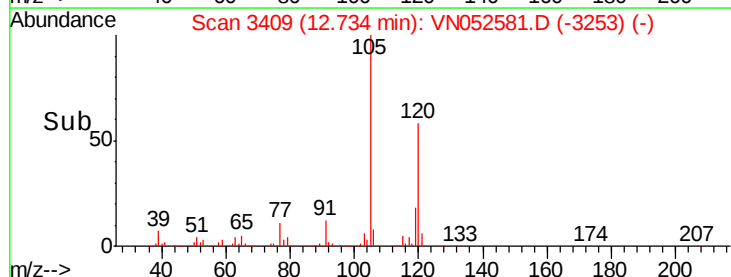
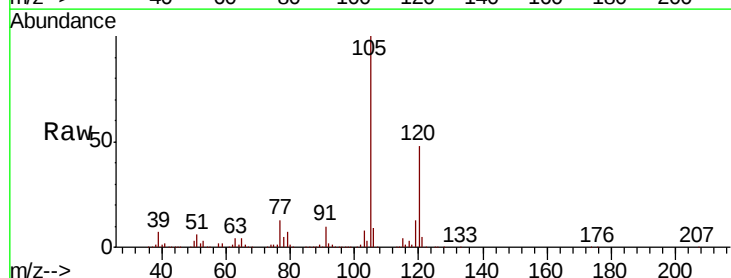
Acq: 29 Nov 2018 23:17

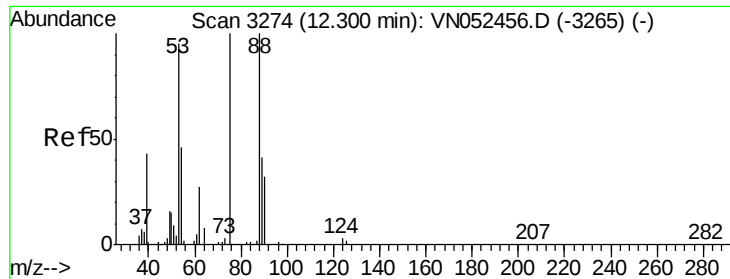
Tgt Ion: 105 Resp: 778445

Ion Ratio Lower Upper

105 100

120 48.5 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 16.966 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS02

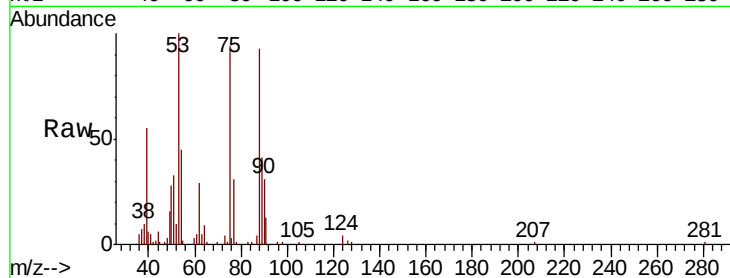
Tot Ion: 75 Resp: 50144

Ion Ratio Lower Upper

75 100

53 106.1 48.5 145.6

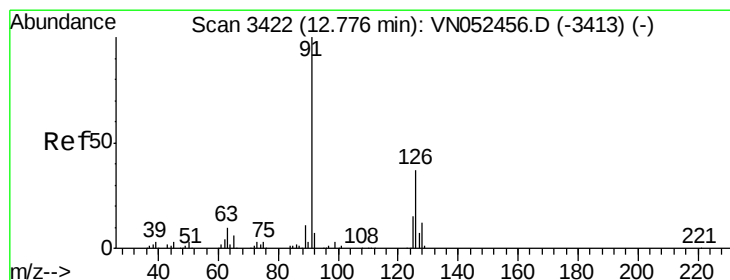
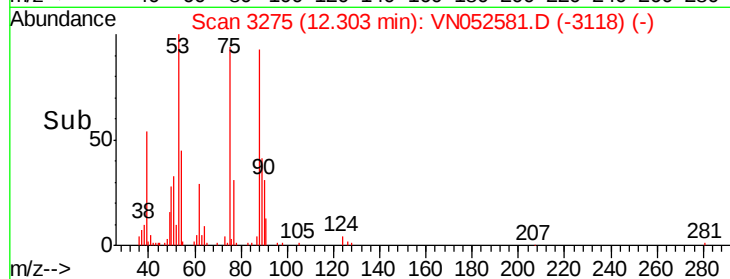
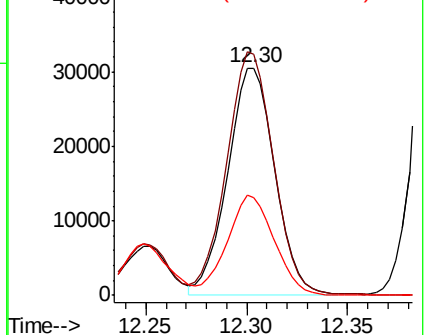
89 43.4 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.606 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN052581.D

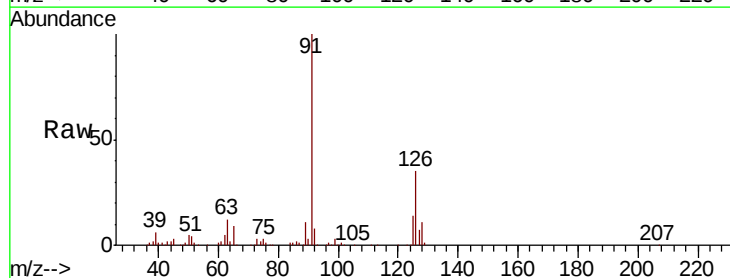
Acq: 29 Nov 2018 23:17

Tgt Ion: 91 Resp: 629626

Ion Ratio Lower Upper

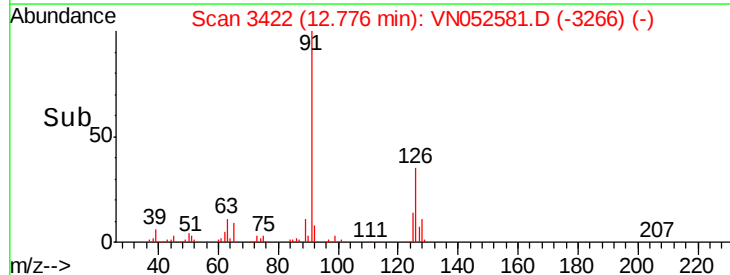
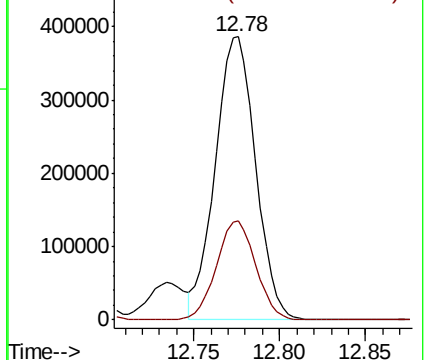
91 100

126 34.2 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.524 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampled :

VN1129WBS02

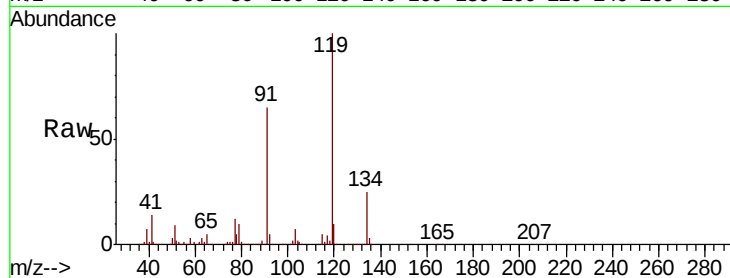
Tot Ion:119 Resp: 688118

Ion Ratio Lower Upper

119 100

91 63.9 0.0 129.8

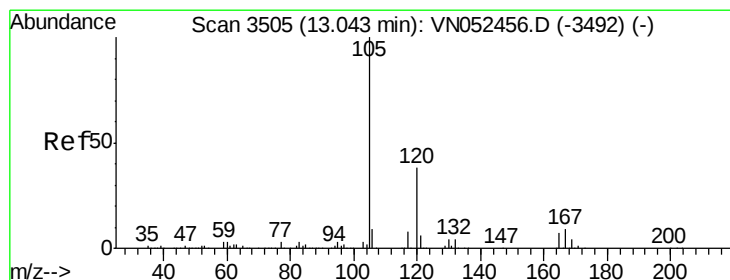
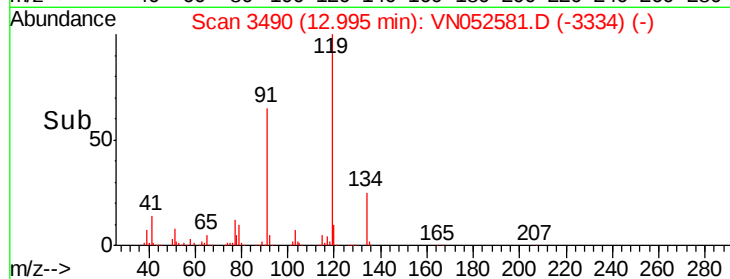
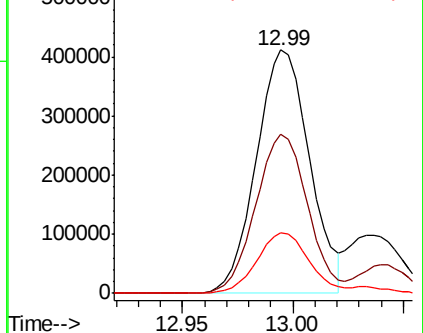
134 24.3 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.197 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052581.D

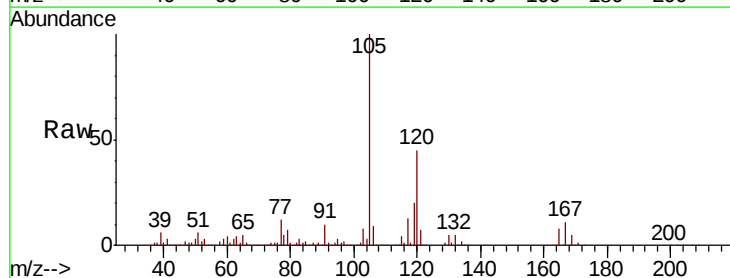
Acq: 29 Nov 2018 23:17

Tgt Ion:105 Resp: 777403

Ion Ratio Lower Upper

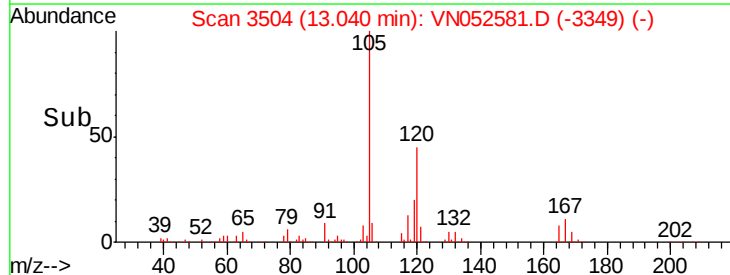
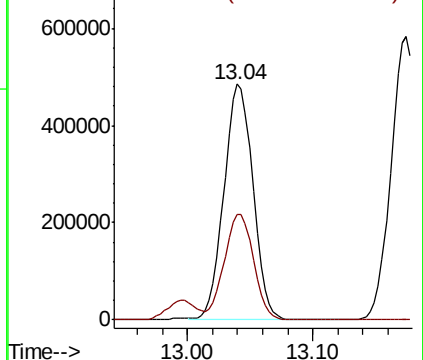
105 100

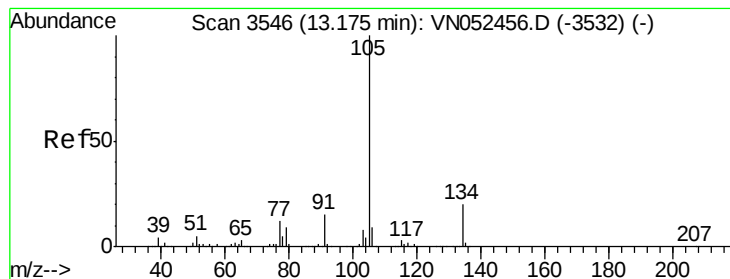
120 45.2 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.717 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

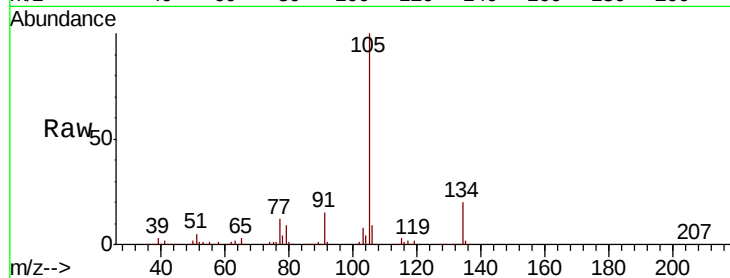
VN1129WBS02

Tot Ion:105 Resp: 918865

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

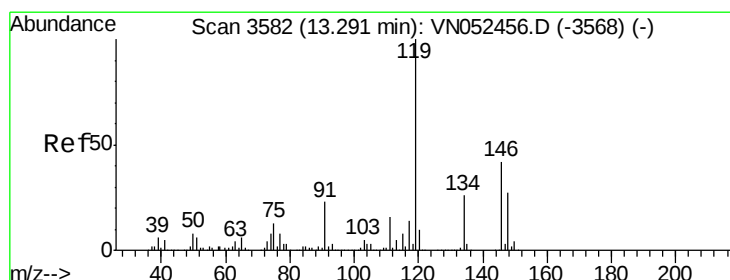
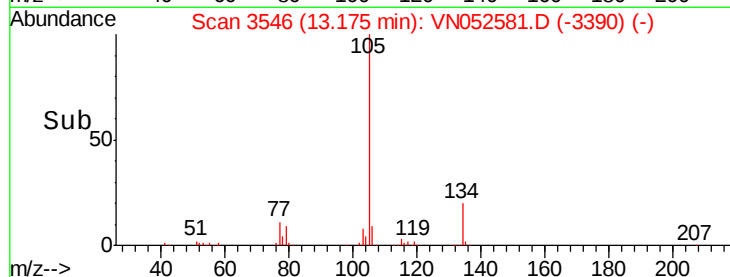
600000

400000

200000

0

Time-->



#82

p-Isopropyltoluene

Concen: 18.674 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

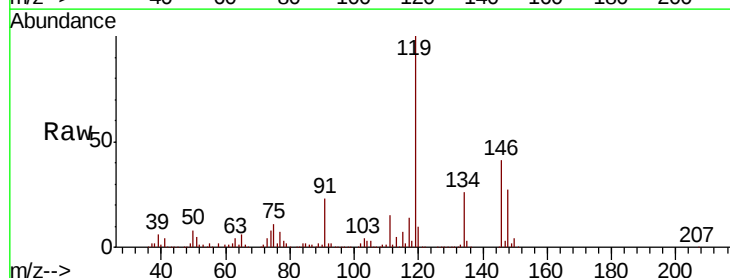
Tgt Ion:119 Resp: 780610

Ion Ratio Lower Upper

119 100

134 26.2 0.0 52.6

91 22.5 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

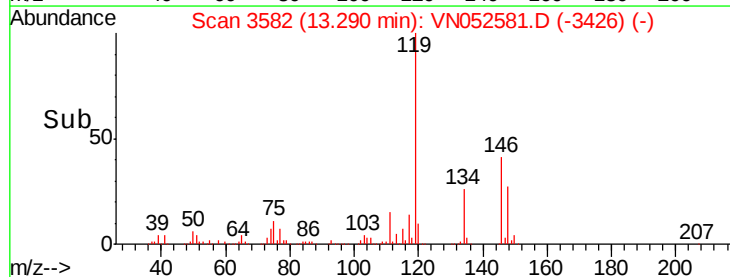
600000

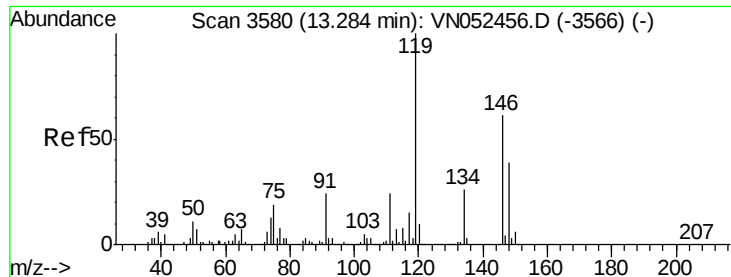
400000

200000

0

Time-->

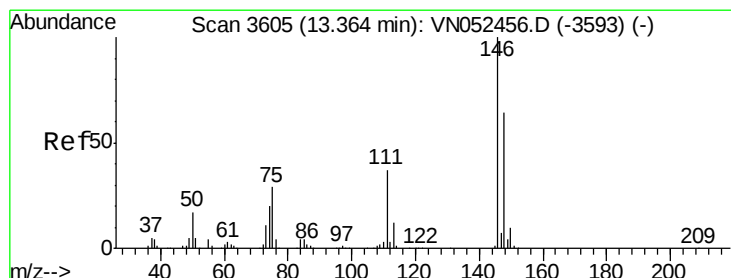
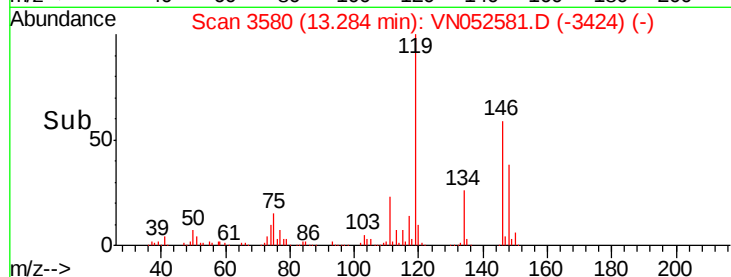
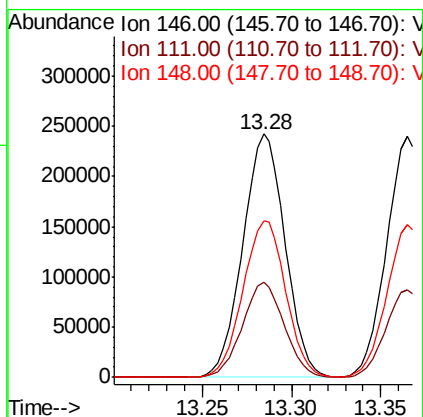
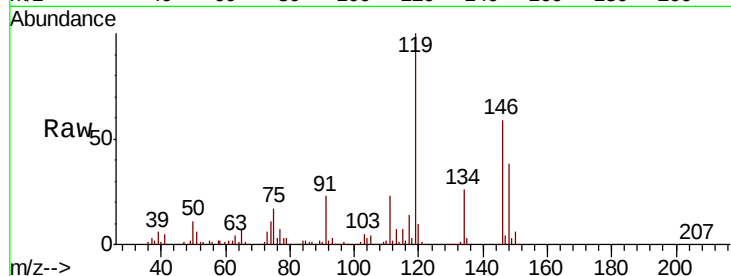




#83
 1,3-Dichlorobenzene
 Concen: 18.841 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

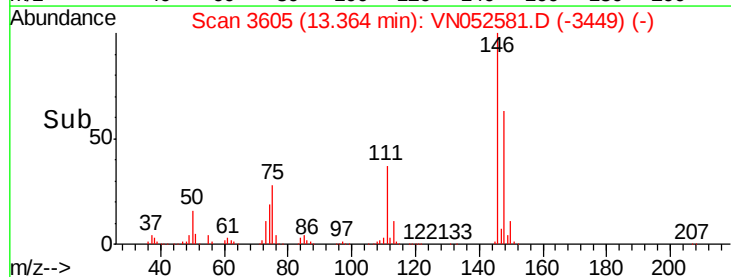
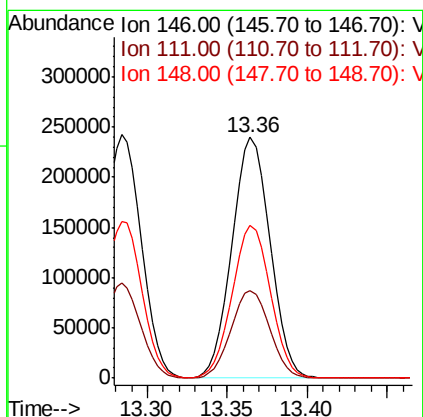
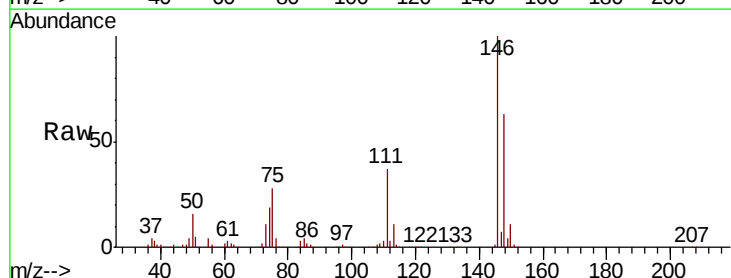
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

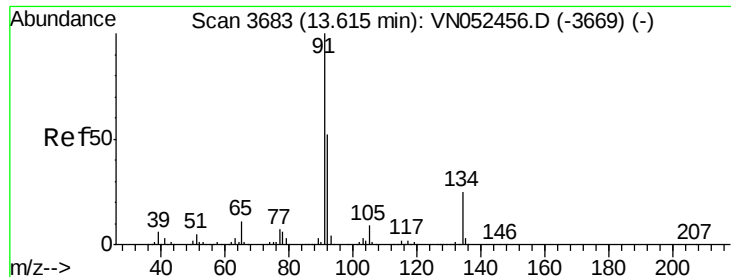
Tot Ion:146 Resp: 401550
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.7 59.0
 148 64.9 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 18.954 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion:146 Resp: 390303
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.3
 148 63.7 32.5 97.4





#85

n-Butylbenzene

Concen: 17.143 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampled :

VN1129WBS02

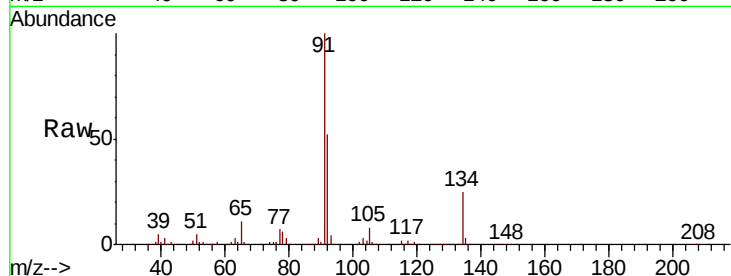
Tot Ion: 91 Resp: 615562

Ion Ratio Lower Upper

91 100

92 52.2 0.0 104.2

134 26.0 0.0 50.6

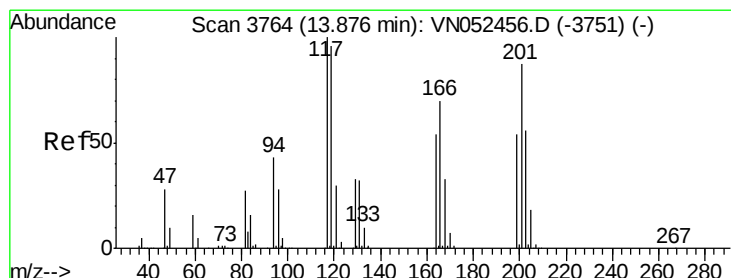
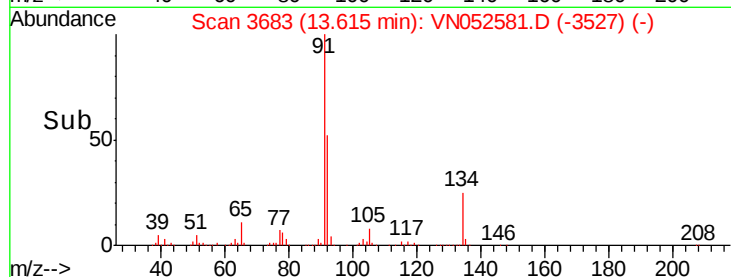


Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)

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

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

Time-->



#86

Hexachloroethane

Concen: 18.130 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052581.D

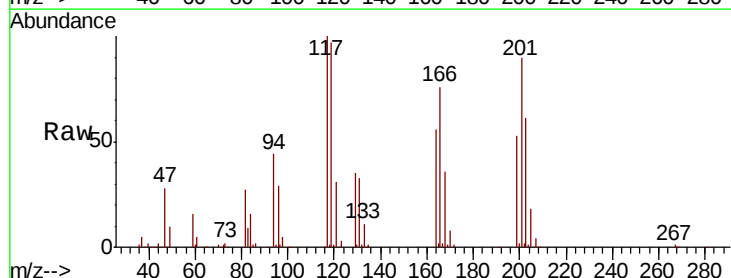
Acq: 29 Nov 2018 23:17

Tgt Ion: 117 Resp: 128410

Ion Ratio Lower Upper

117 100

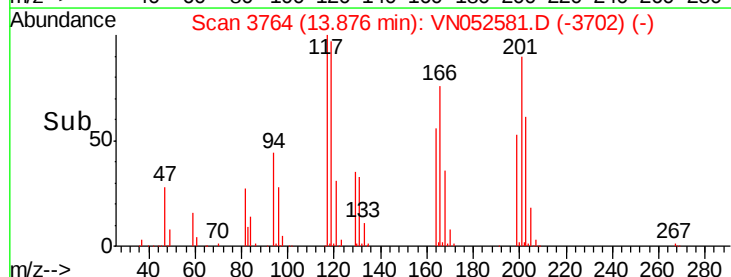
201 89.0 43.8 131.3

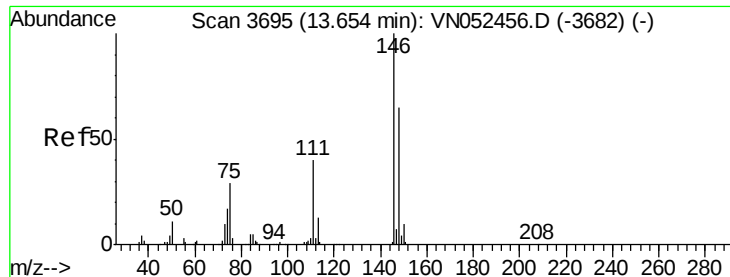


Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)

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

Time-->

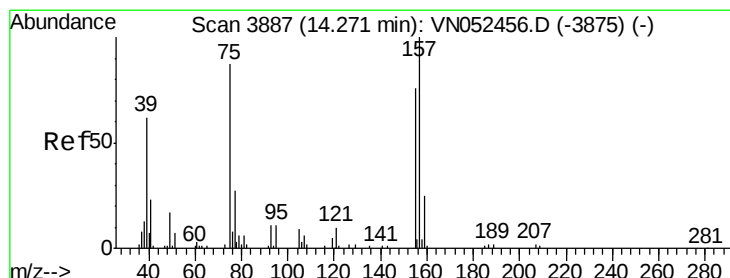
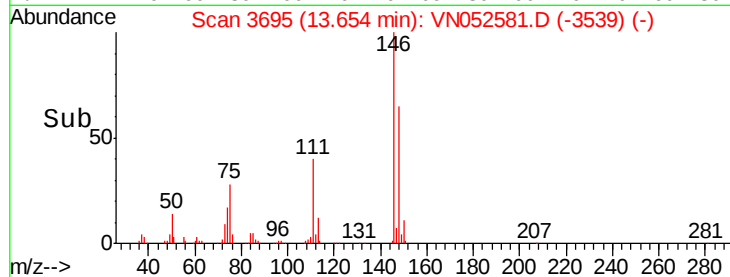
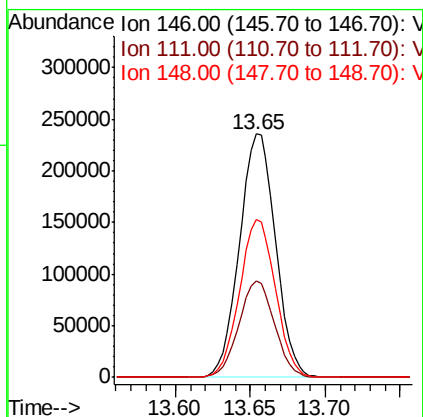
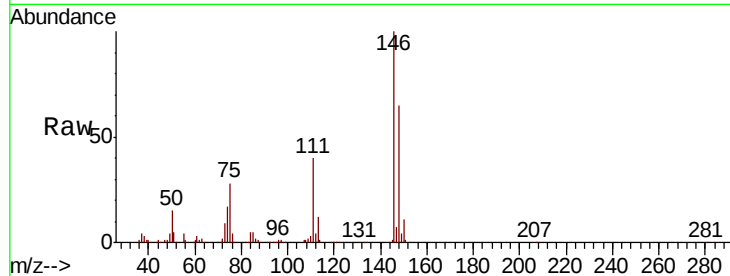




#87
 1,2-Dichlorobenzene
 Concen: 19.520 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

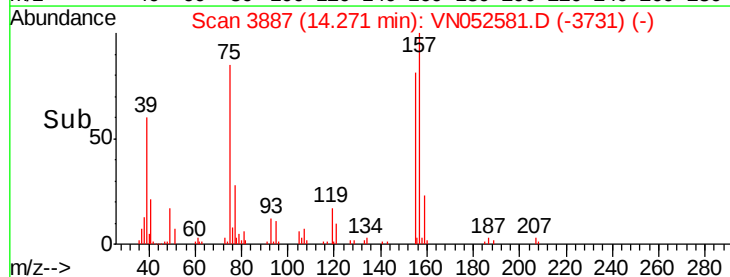
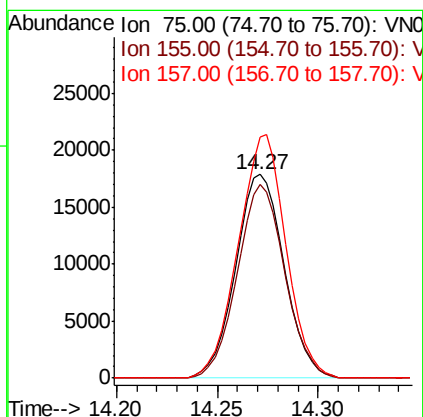
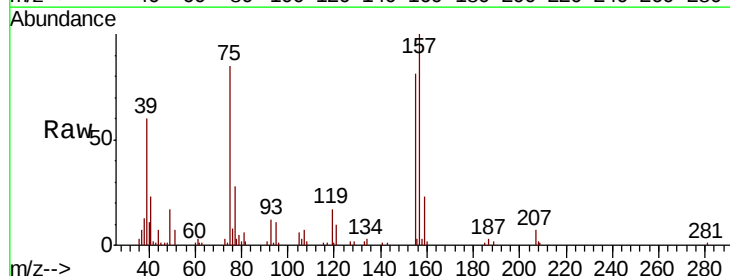
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

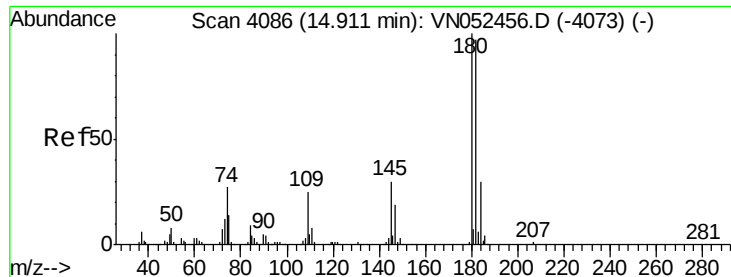
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.3	60.8
148	64.3	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.743 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	72.2	108.2
157	117.0	94.2	141.2

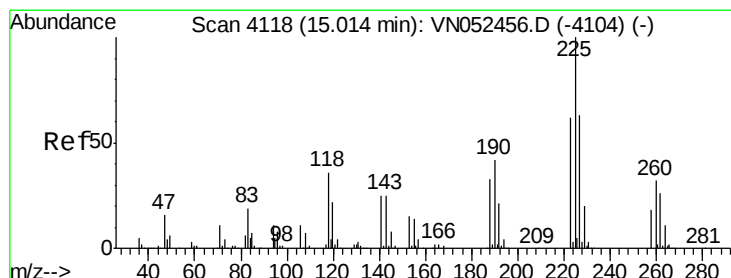
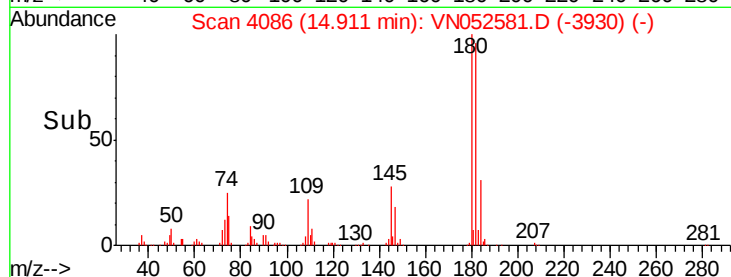
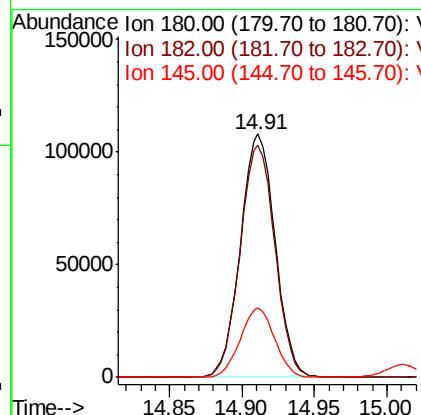
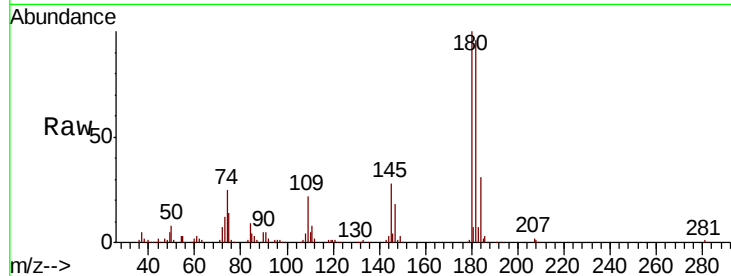




#89
 1,2,4-Trichlorobenzene
 Concen: 17.992 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

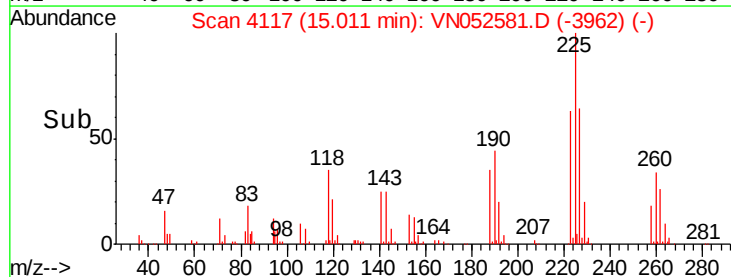
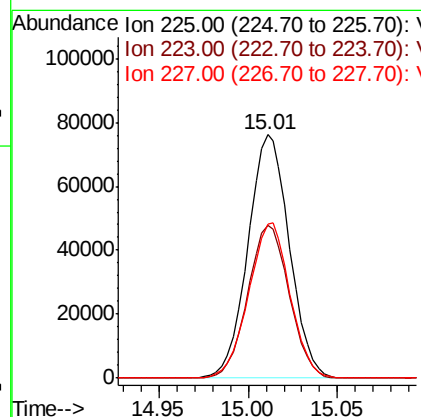
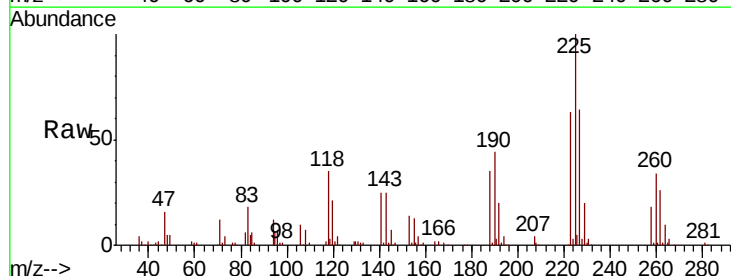
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

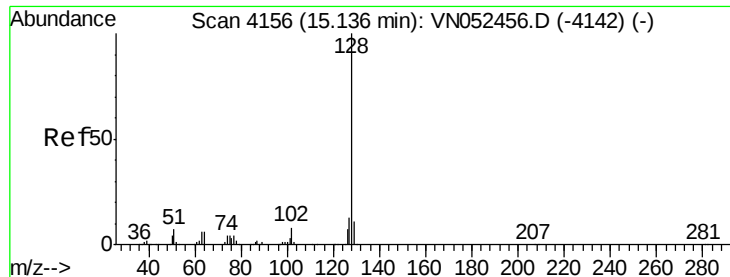
Tot Ion:180 Resp: 179781
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 28.2 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 18.850 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052581.D
 Acq: 29 Nov 2018 23:17

Tgt Ion:225 Resp: 123559
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 125.6
 227 63.7 0.0 127.8





#91

Naphthalene

Concen: 18.788 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS02

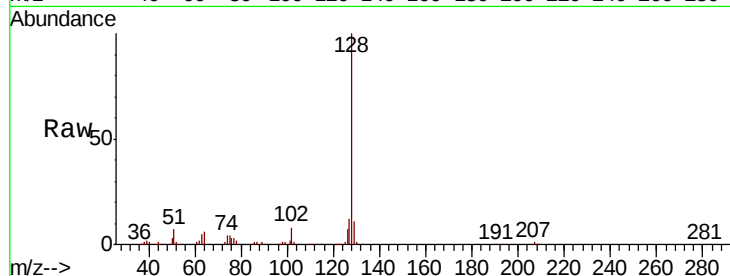
Tot Ion:128 Resp: 379112

Ion Ratio Lower Upper

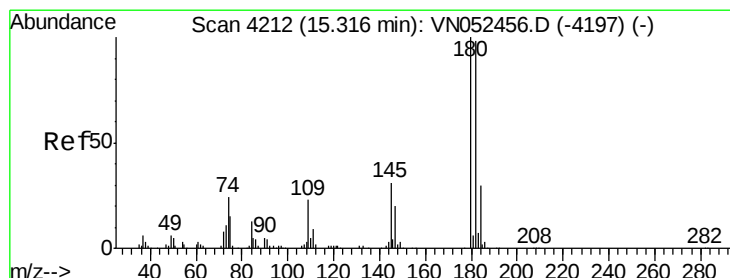
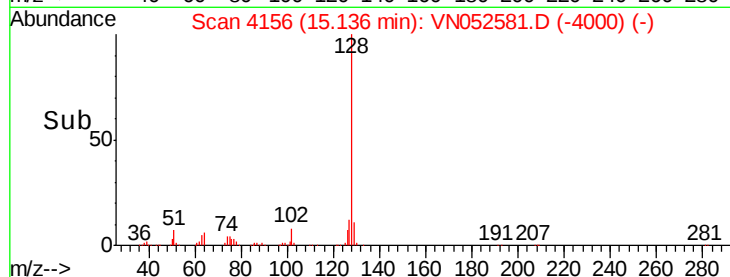
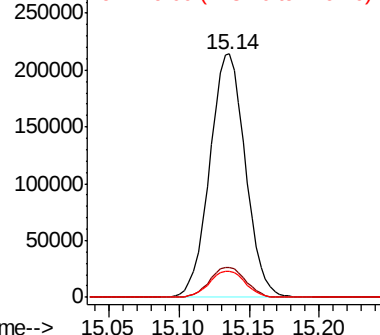
128 100

127 12.5 9.9 14.9

129 11.0 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.373 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052581.D

Acq: 29 Nov 2018 23:17

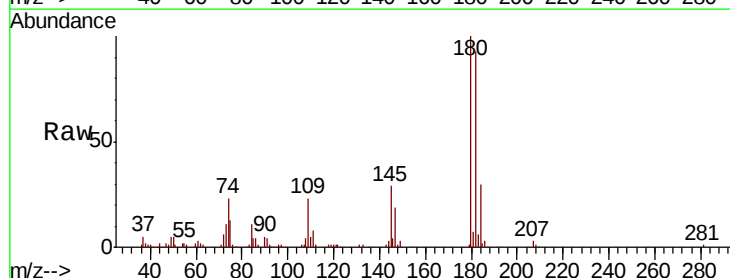
Tgt Ion:180 Resp: 178402

Ion Ratio Lower Upper

180 100

182 93.9 0.0 196.2

145 29.7 0.0 62.2



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

