

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055269.D
 Acq On : 26 Apr 2019 12:18
 Operator : JC/SP
 Sample : VN0427MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Quant Time: Apr 27 01:58:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	396915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	651263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	551008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	284103	52.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.76%	
35) Dibromofluoromethane	7.59	113	219844	49.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.38%	
50) Toluene-d8	10.09	98	803352	49.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	247590	47.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	112874	22.087	ug/l	100
3) Chloromethane	2.06	50	129006	20.601	ug/l	99
4) Vinyl Chloride	2.19	62	102968	20.520	ug/l	98
5) Bromomethane	2.56	94	56873	19.544	ug/l	97
6) Chloroethane	2.71	64	54792	20.718	ug/l	92
7) Trichlorofluoromethane	3.02	101	143811	21.061	ug/l	99
8) Diethyl Ether	3.41	74	52763	21.648	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	86671	20.340	ug/l	97
10) Methyl Iodide	3.95	142	123139	20.608	ug/l	100
11) Tert butyl alcohol	4.78	59	34486	109.952	ug/l	100
12) 1,1-Dichloroethene	3.74	96	82743	20.262	ug/l	96
13) Acrolein	3.61	56	44886	101.346	ug/l	100
14) Allyl chloride	4.33	41	168479	20.870	ug/l	100
15) Acrylonitrile	4.99	53	187085	108.763	ug/l	99
16) Acetone	3.82	43	167237	94.165	ug/l	96
17) Carbon Disulfide	4.06	76	214652	18.802	ug/l	98
18) Methyl Acetate	4.33	43	88905	22.680	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	242365	21.467	ug/l	99
20) Methylene Chloride	4.55	84	102416	20.059	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	87941	20.537	ug/l	96
22) Diisopropyl ether	5.95	45	351447	21.840	ug/l	95
23) Vinyl Acetate	5.90	43	1199335	110.912	ug/l	99
24) 1,1-Dichloroethane	5.85	63	182565	21.093	ug/l	99
25) 2-Butanone	6.84	43	233012	101.625	ug/l	98
26) 2,2-Dichloropropane	6.82	77	121450	20.735	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	103026	20.871	ug/l	99
28) Bromochloromethane	7.20	49	98204	22.258	ug/l	95
29) Tetrahydrofuran	7.22	42	158087	112.138	ug/l	99
30) Chloroform	7.37	83	169600	20.600	ug/l	95
31) Cyclohexane	7.66	56	171036	20.335	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	137977	20.860	ug/l	98
36) 1,1-Dichloropropene	7.79	75	127440	21.083	ug/l	99
37) Ethyl Acetate	6.93	43	103798	21.277	ug/l	98
38) Carbon Tetrachloride	7.78	117	115414	20.389	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	135687	18.816	ug/l	99
40) Benzene	8.04	78	384602	20.611	ug/l	99
41) Methacrylonitrile	7.21	41	156127	61.046	ug/l #	24
42) 1,2-Dichloroethane	8.12	62	133407	20.493	ug/l	100
43) Isopropyl Acetate	8.17	43	170761	21.616	ug/l #	88
44) Trichloroethene	8.84	130	96132	20.383	ug/l	96
45) 1,2-Dichloropropane	9.12	63	110038	20.891	ug/l	99
46) Dibromomethane	9.21	93	61618	20.436	ug/l	98
47) Bromodichloromethane	9.40	83	126639	20.980	ug/l	97
48) Methyl methacrylate	9.20	41	80638	21.044	ug/l	97
49) 1,4-Dioxane	9.20	88	17992	406.583	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	482721	106.194	ug/l	99
52) Toluene	10.16	92	226698	20.724	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	113975	20.575	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	143630	20.894	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82350	20.420	ug/l	99
56) Ethyl methacrylate	10.43	69	106162	21.131	ug/l	97
57) 1,3-Dichloropropane	10.71	76	145616	20.753	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	130471	75.638	ug/l	100
59) 2-Hexanone	10.75	43	297235	103.521	ug/l	100
60) Dibromochloromethane	10.90	129	82858	19.947	ug/l	100
61) 1,2-Dibromoethane	11.00	107	78526	20.710	ug/l	100
64) Tetrachloroethene	10.63	164	92753	20.635	ug/l	98
65) Chlorobenzene	11.43	112	220406	19.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85173	20.433	ug/l	100
67) Ethyl Benzene	11.51	91	410210	20.476	ug/l	97
68) m/p-Xylenes	11.62	106	293289	40.818	ug/l	100
69) o-Xylene	11.95	106	145909	20.462	ug/l	98
70) Styrene	11.96	104	232435	21.029	ug/l	100
71) Bromoform	12.13	173	49737	19.995	ug/l #	99
73) Isopropylbenzene	12.25	105	386204	22.848	ug/l	100
74) N-amyl acetate	12.07	43	111130	21.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	100405	23.429	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	115809	28.590	ug/l #	100
77) Bromobenzene	12.53	156	89826	20.378	ug/l	96
78) n-propylbenzene	12.59	91	414416	20.696	ug/l	99
79) 2-Chlorotoluene	12.67	91	257108	20.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	309134	20.682	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	21820	20.420	ug/l	96
82) 4-Chlorotoluene	12.77	91	238793	20.527	ug/l	99
83) tert-Butylbenzene	12.99	119	264876	22.368	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	291551	20.670	ug/l	98
85) sec-Butylbenzene	13.17	105	340823	20.155	ug/l	98
86) p-Isopropyltoluene	13.29	119	283890	20.378	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	135391	20.009	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	131022	19.888	ug/l	99
89) n-Butylbenzene	13.61	91	197209	19.098	ug/l	99
90) Hexachloroethane	13.87	117	47828	19.358	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	138938	19.991	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12759	21.044	ug/l	93

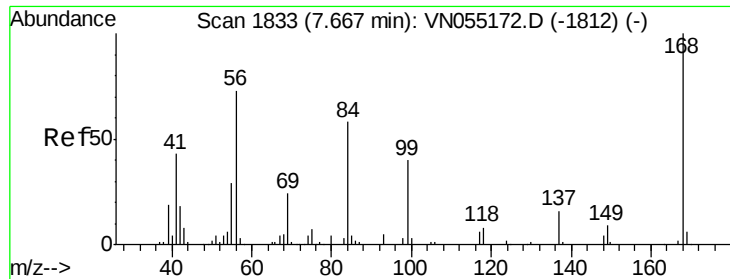
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41999	16.258	ug/l	96
94) Hexachlorobutadiene	15.01	225	47114	21.988	ug/l	95
95) Naphthalene	15.13	128	92822	16.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	46466	17.381	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

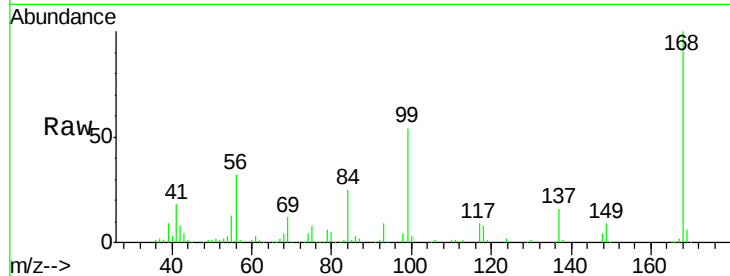
VN0427MBS01

Tot Ion:168 Resp: 396915

Ion Ratio Lower Upper

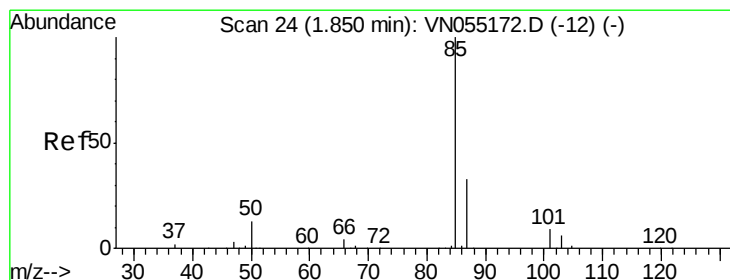
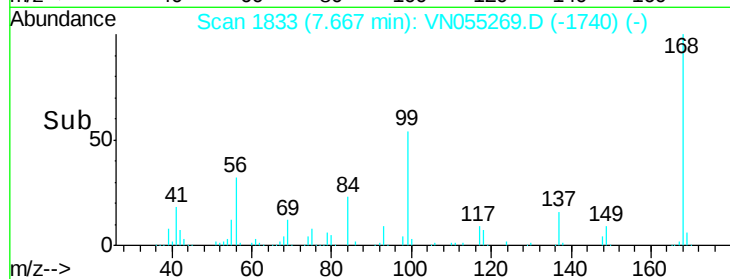
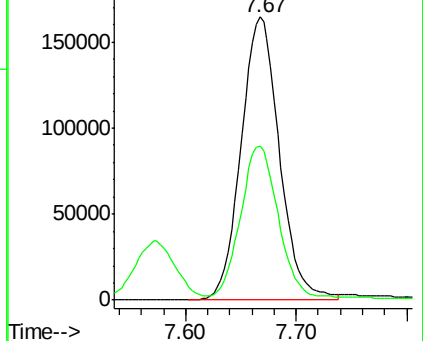
168 100

99 53.3 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 22.087 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055269.D

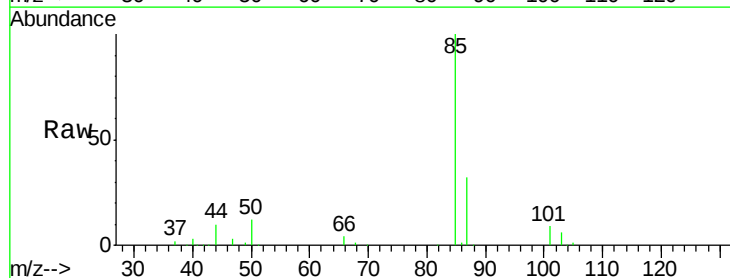
Acq: 26 Apr 2019 12:18

Tgt Ion: 85 Resp: 112874

Ion Ratio Lower Upper

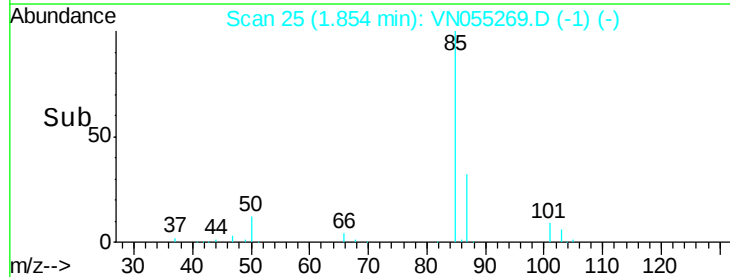
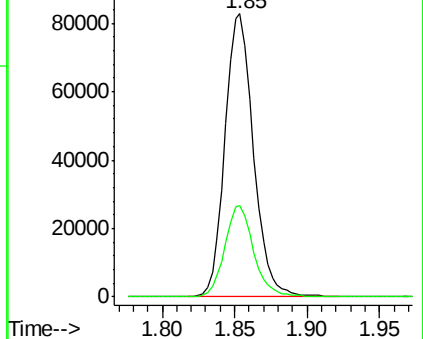
85 100

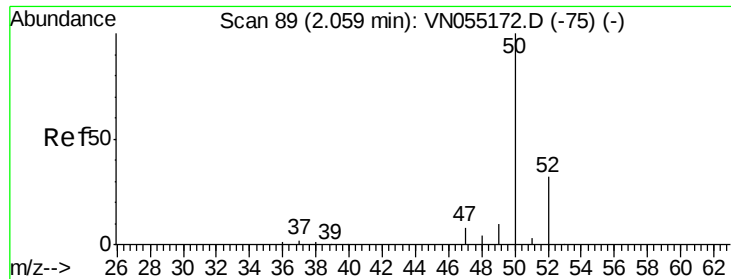
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.601 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

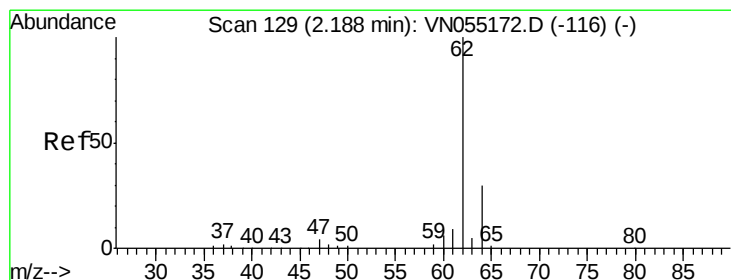
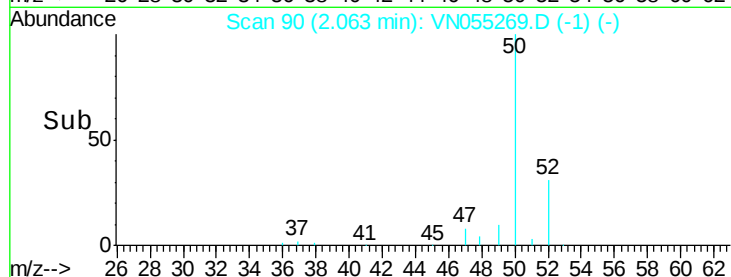
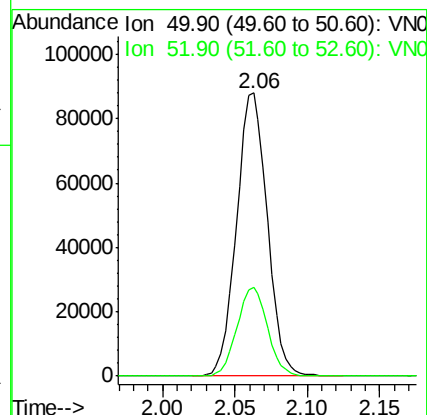
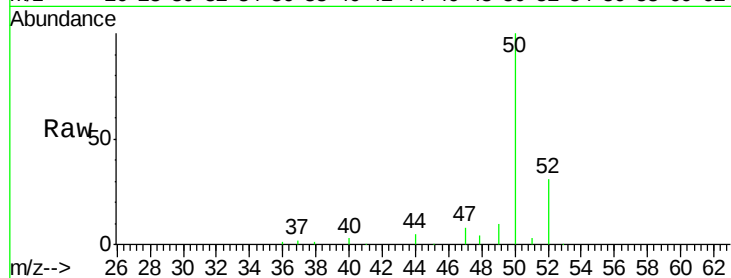
VN0427MBS01

Tot Ion: 50 Resp: 129006

Ion Ratio Lower Upper

50 100

52 31.4 25.8 38.6



#4

Vinyl Chloride

Concen: 20.520 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055269.D

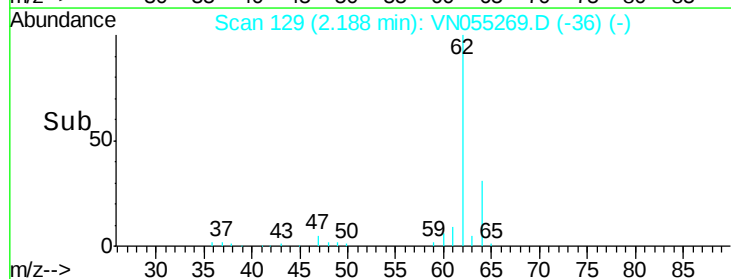
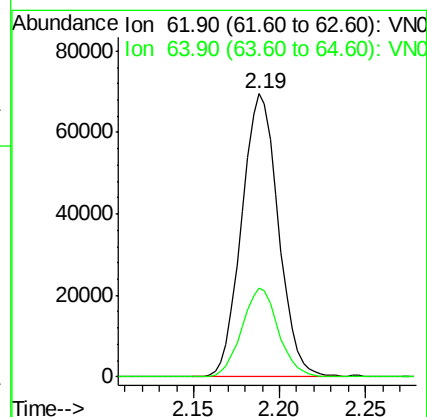
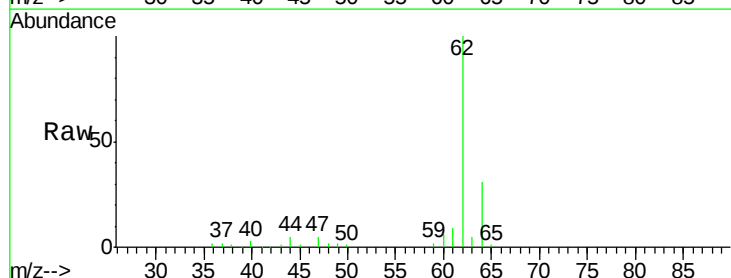
Acq: 26 Apr 2019 12:18

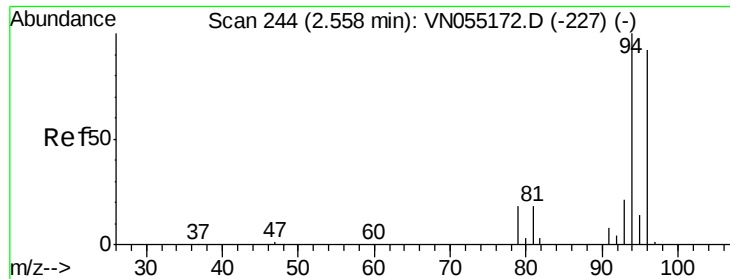
Tgt Ion: 62 Resp: 102968

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 19.544 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

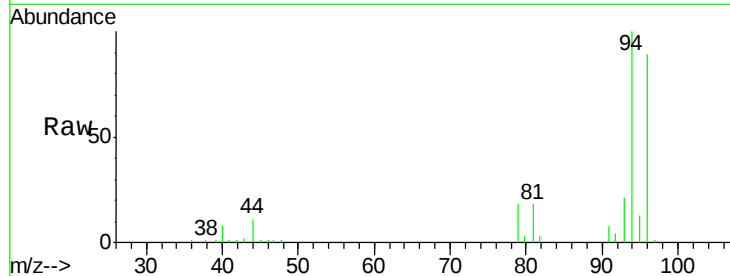
VN0427MBS01

Tot Ion: 94 Resp: 56873

Ion Ratio Lower Upper

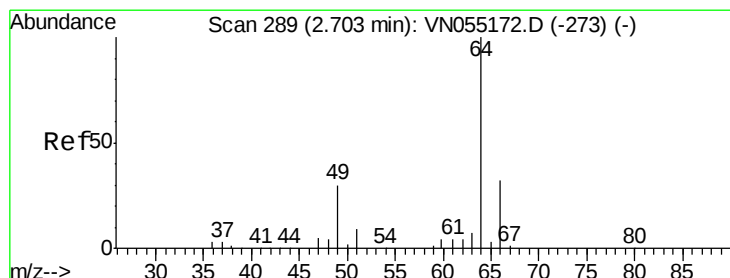
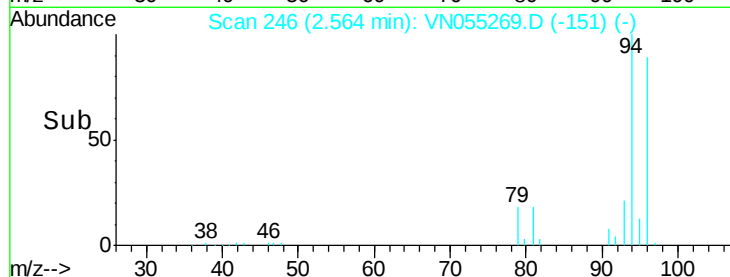
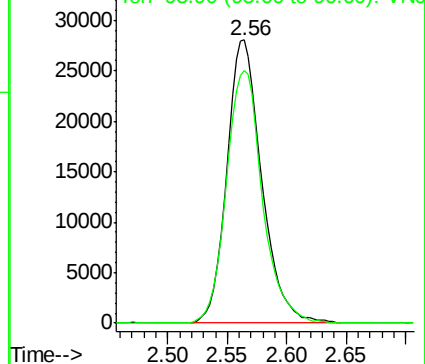
94 100

96 89.4 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.718 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055269.D

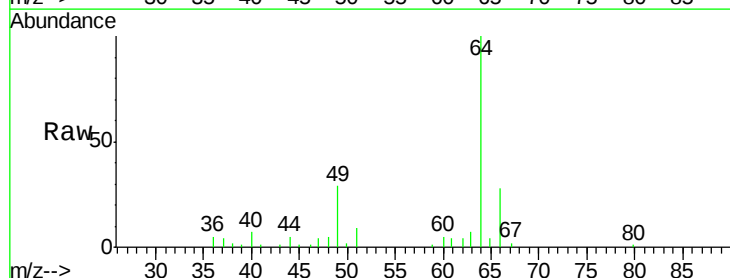
Acq: 26 Apr 2019 12:18

Tgt Ion: 64 Resp: 54792

Ion Ratio Lower Upper

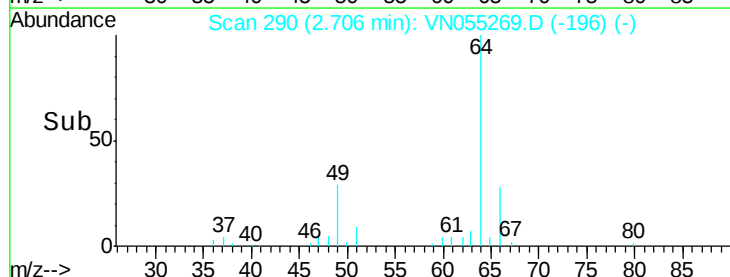
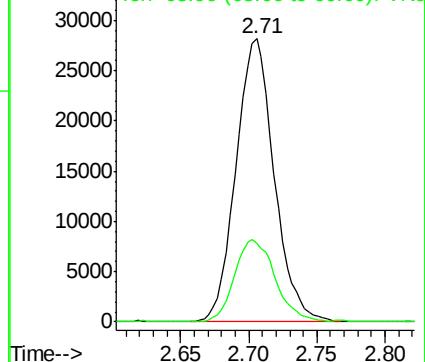
64 100

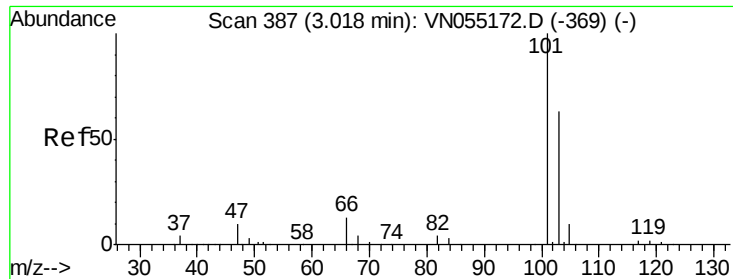
66 27.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



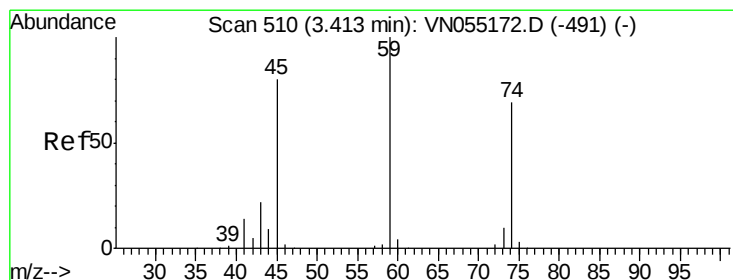
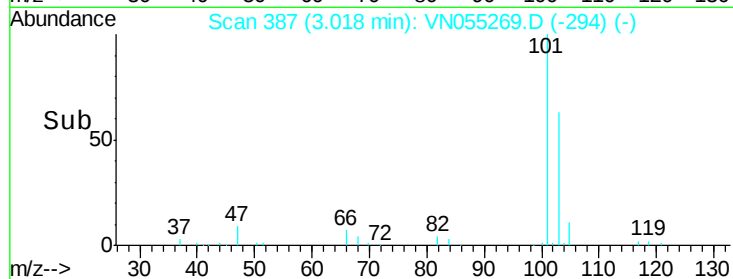
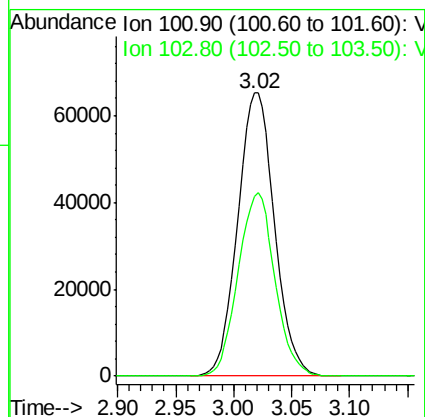
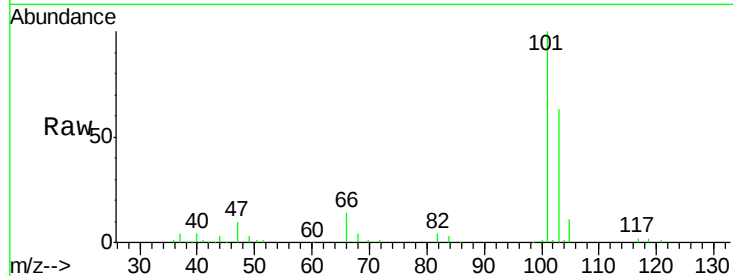


#7

Trichlorofluoromethane
Concen: 21.061 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

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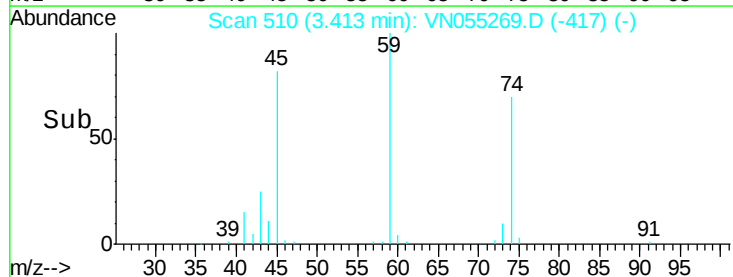
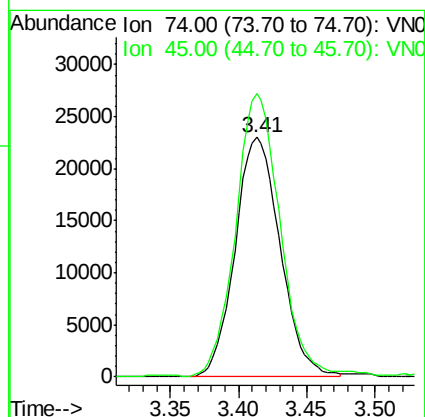
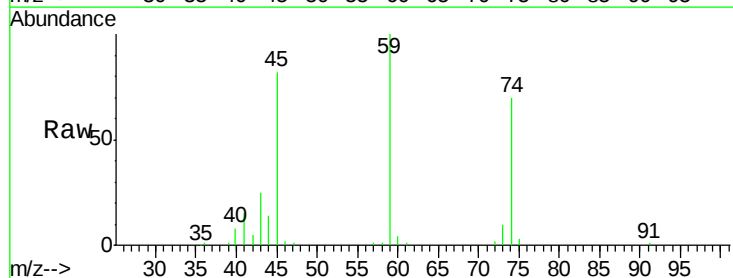
Tot Ion:101 Resp: 143811
Ion Ratio Lower Upper
101 100
103 63.3 50.1 75.1

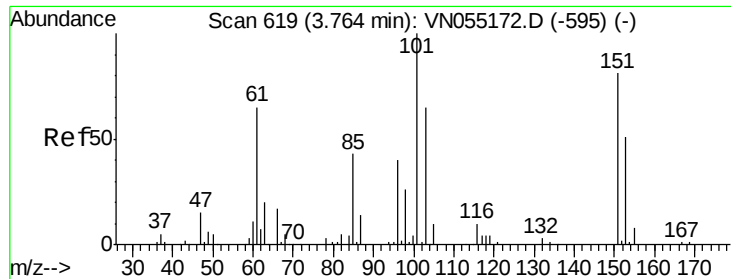


#8

Diethyl Ether
Concen: 21.648 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 74 Resp: 52763
Ion Ratio Lower Upper
74 100
45 116.3 56.9 170.6

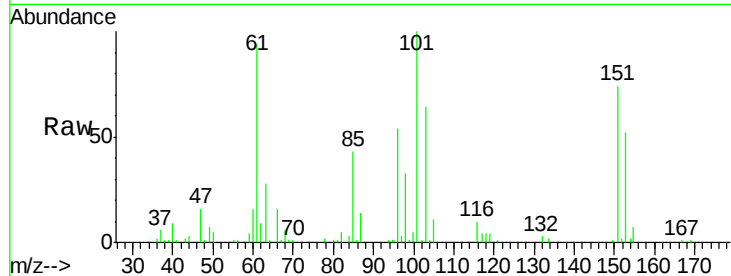




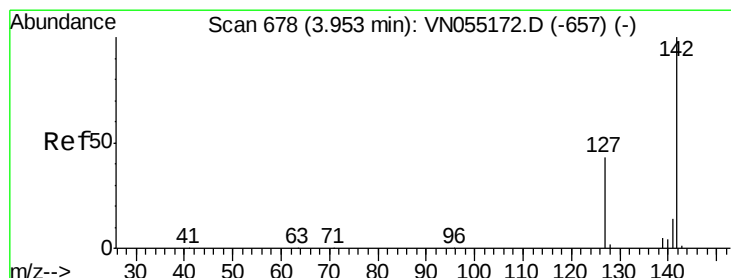
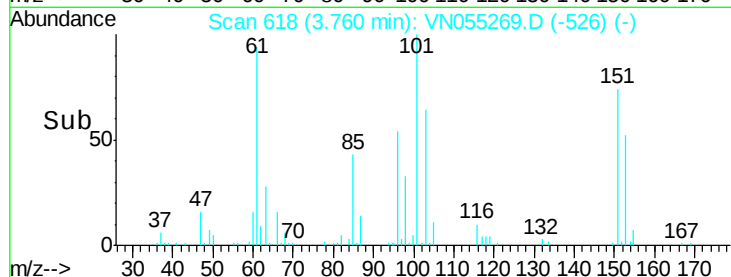
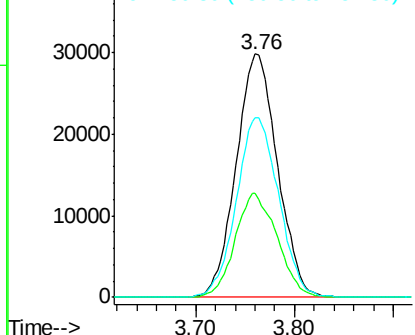
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.340 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Tot Ion:101 Resp: 86671
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.9 52.3
 151 75.5 63.8 95.8

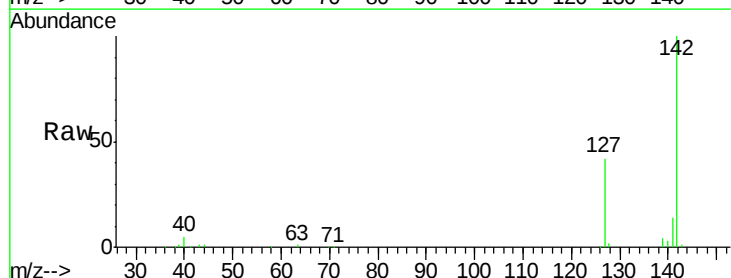


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

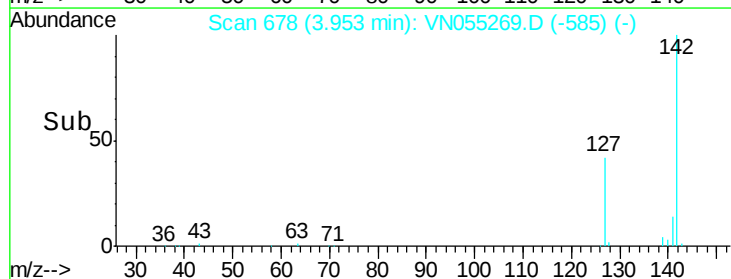
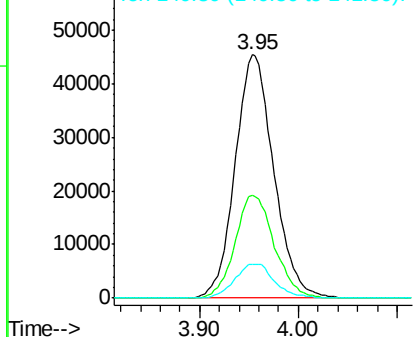


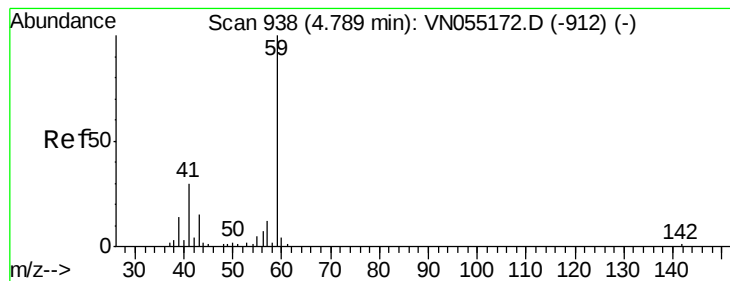
#10
 Methyl Iodide
 Concen: 20.608 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion:142 Resp: 123139
 Ion Ratio Lower Upper
 142 100
 127 42.9 34.1 51.1
 141 14.3 11.4 17.2



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



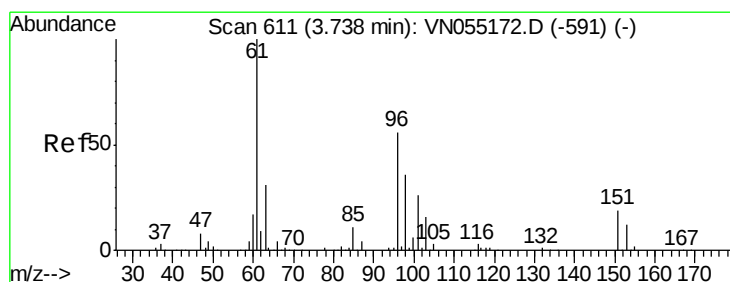
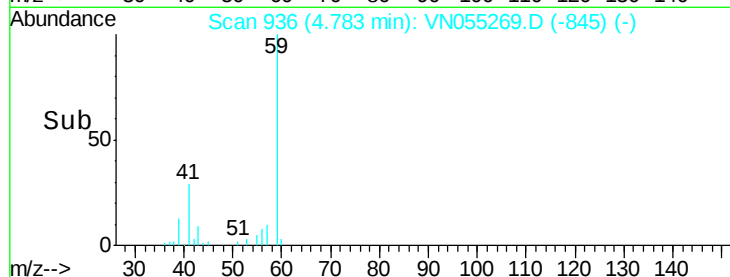
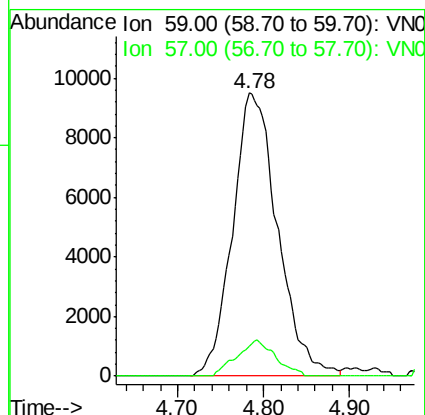
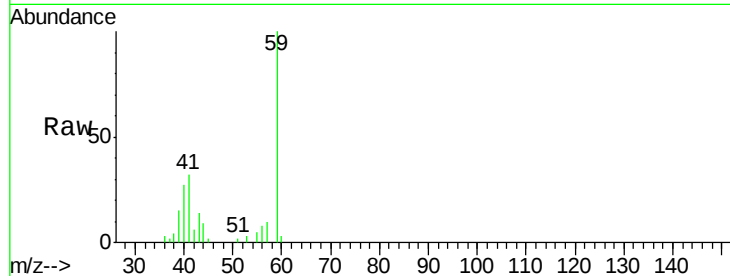


#11

Tert butyl alcohol
 Concen: 109.952 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0427MBS01

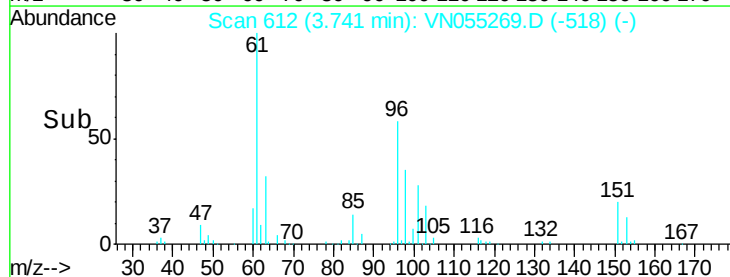
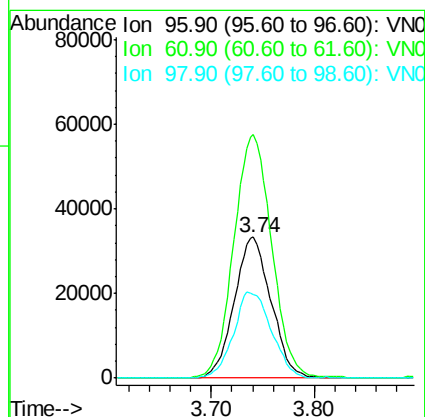
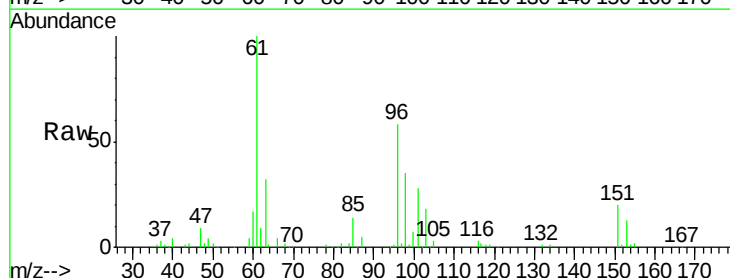
Tot Ion: 59 Resp: 34486
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.8 13.2

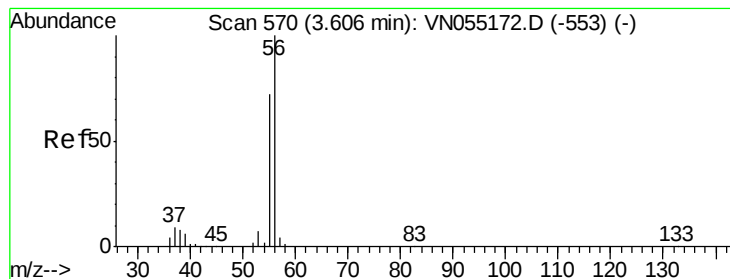


#12

1,1-Dichloroethene
 Concen: 20.262 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion: 96 Resp: 82743
 Ion Ratio Lower Upper
 96 100
 61 172.5 142.1 213.1
 98 59.9 51.2 76.8





#13

Acrolein

Concen: 101.346 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

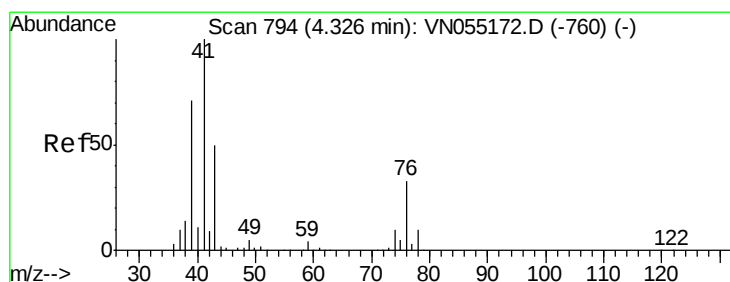
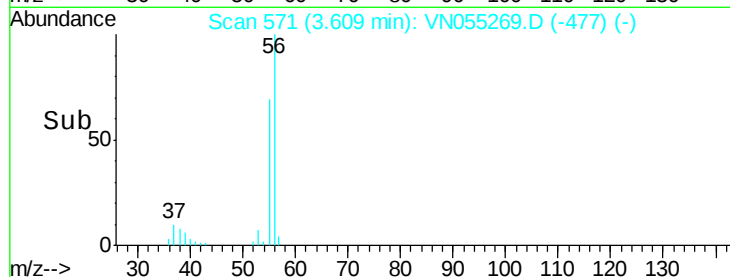
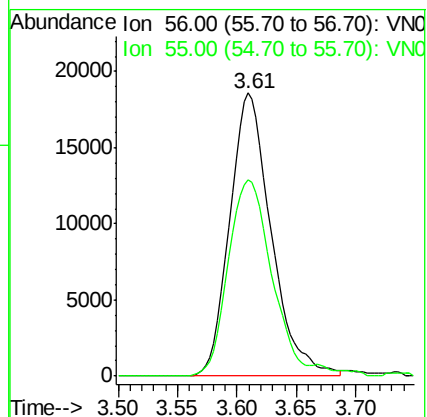
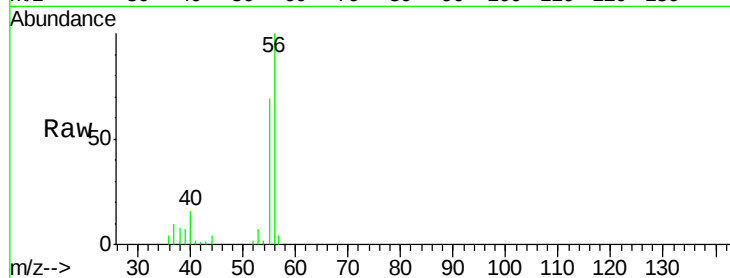
VN0427MBS01

Tot Ion: 56 Resp: 44886

Ion Ratio Lower Upper

56 100

55 72.1 57.4 86.0



#14

Allyl chloride

Concen: 20.870 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

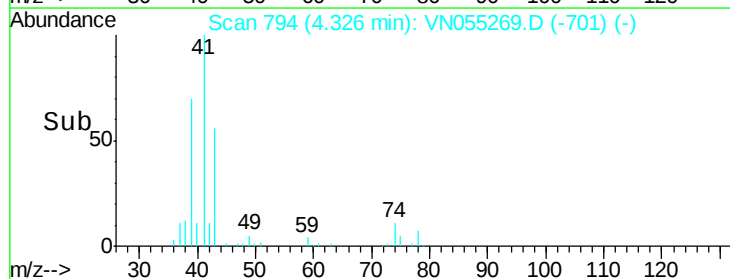
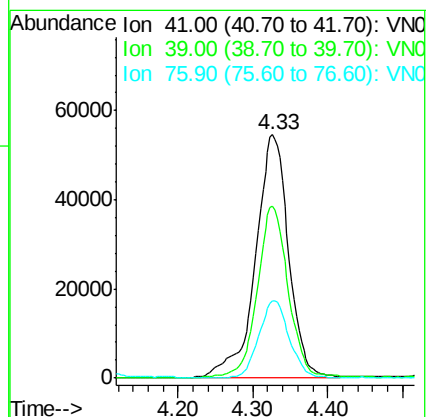
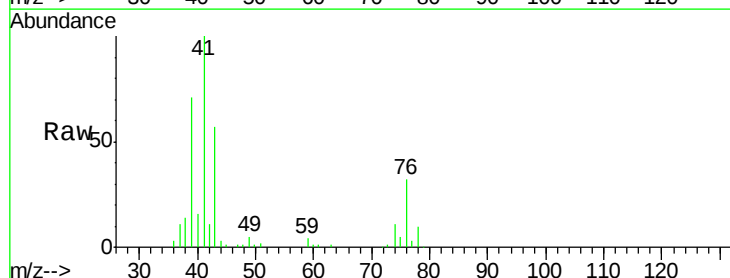
Tgt Ion: 41 Resp: 168479

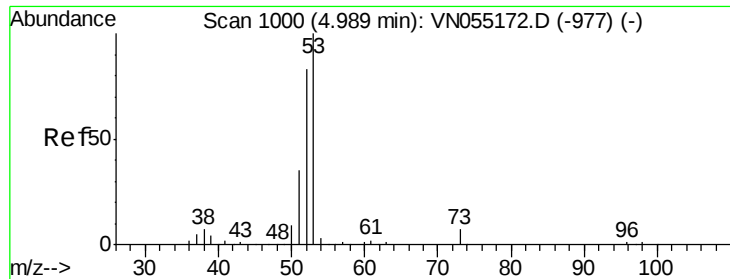
Ion Ratio Lower Upper

41 100

39 66.0 52.9 79.3

76 29.0 23.6 35.4

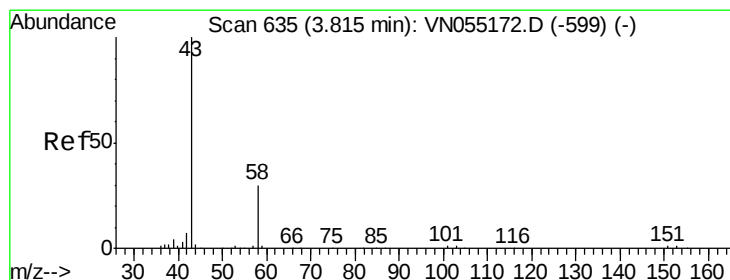
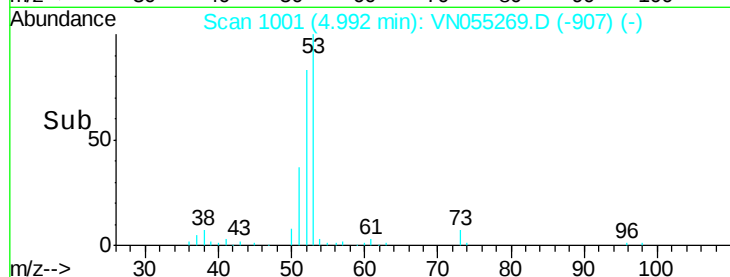
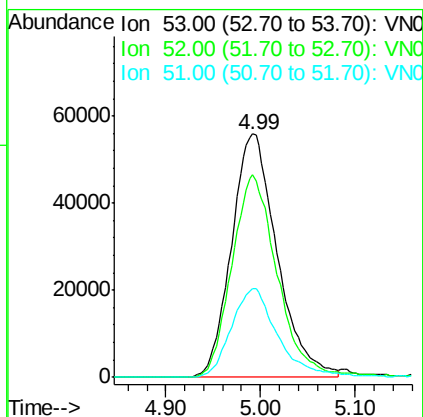
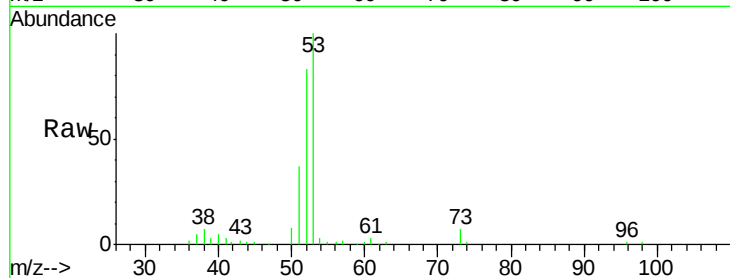




#15
 Acrylonitrile
 Concen: 108.763 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

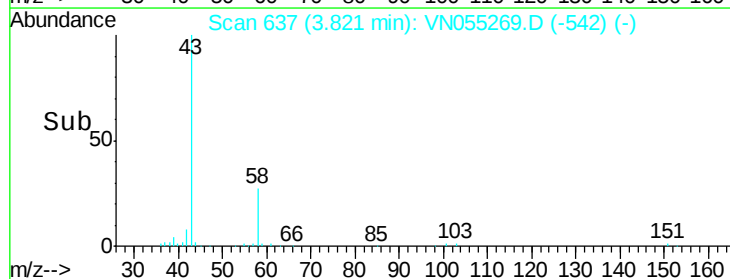
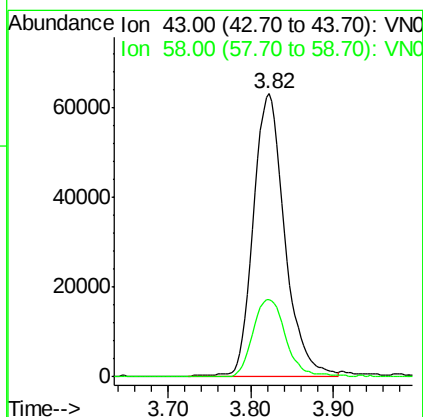
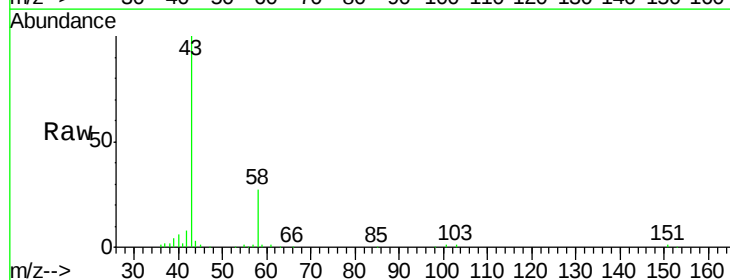
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

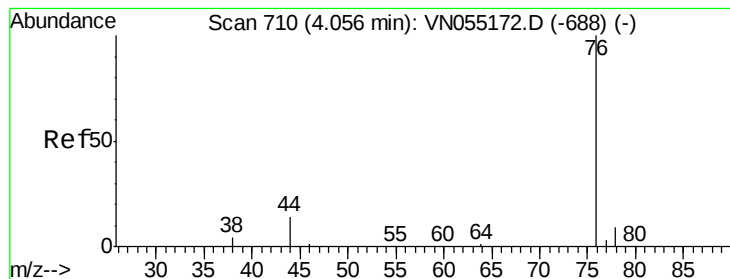
Tot Ion: 53 Resp: 187085
 Ion Ratio Lower Upper
 53 100
 52 83.1 65.8 98.8
 51 37.2 28.9 43.3



#16
 Acetone
 Concen: 94.165 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion: 43 Resp: 167237
 Ion Ratio Lower Upper
 43 100
 58 27.4 23.8 35.8





#17

Carbon Disulfide

Concen: 18.802 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

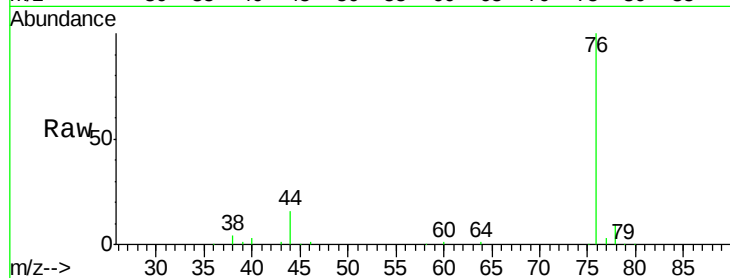
VN0427MBS01

Tot Ion: 76 Resp: 214652

Ion Ratio Lower Upper

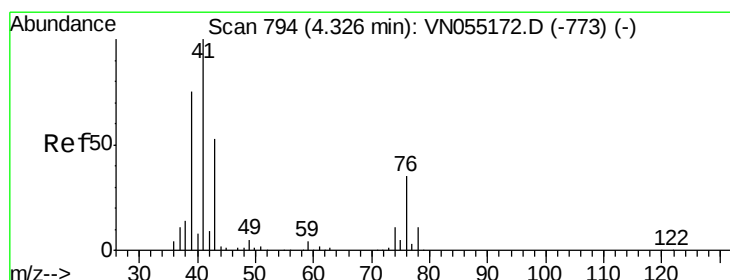
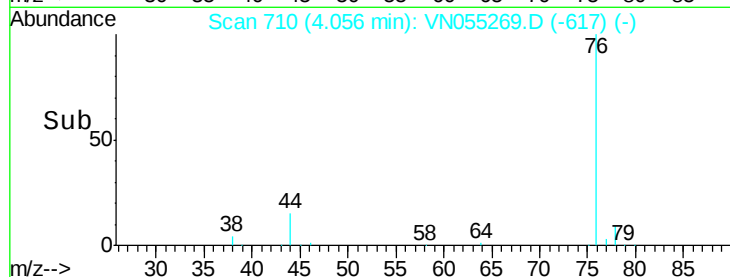
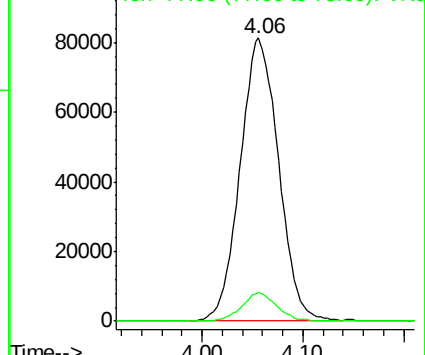
76 100

78 10.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.680 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055269.D

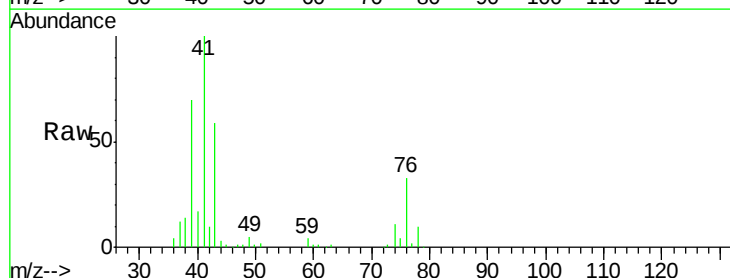
Acq: 26 Apr 2019 12:18

Tgt Ion: 43 Resp: 88905

Ion Ratio Lower Upper

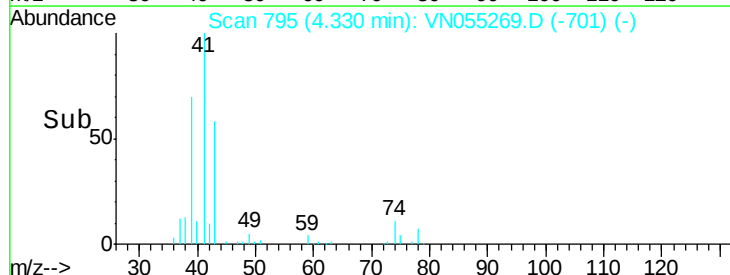
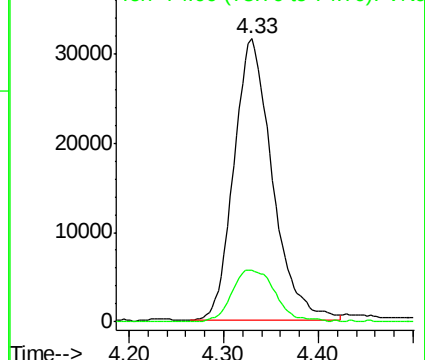
43 100

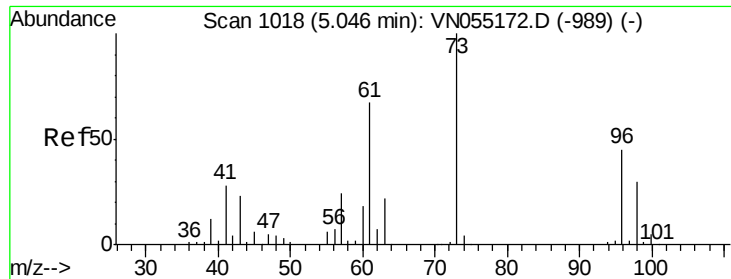
74 20.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

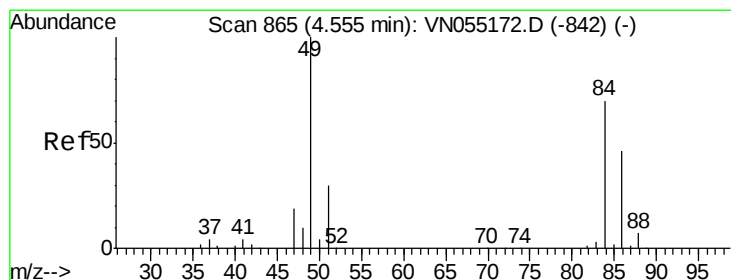
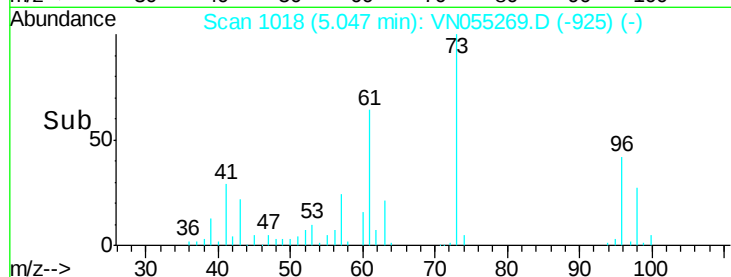
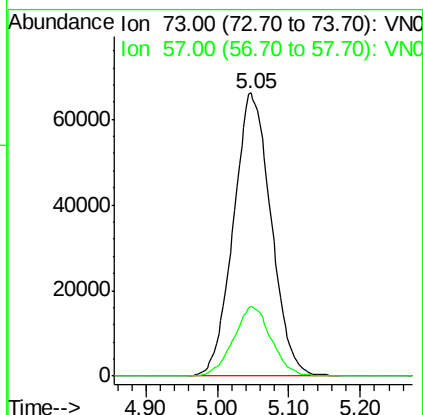
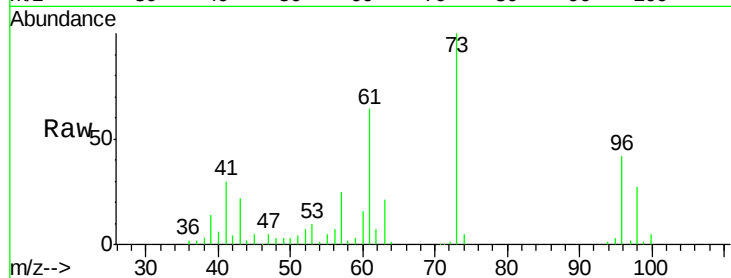




#19
Methvl tert-butvl Ether
Concen: 21.467 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

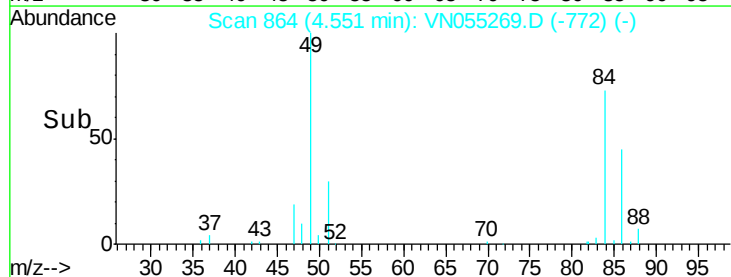
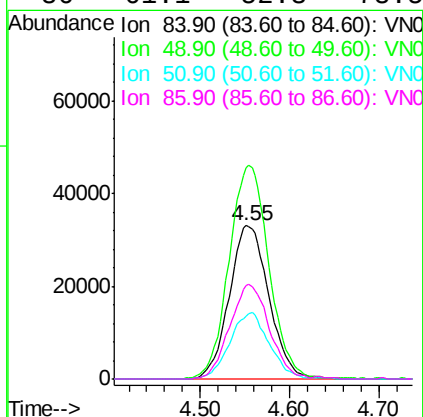
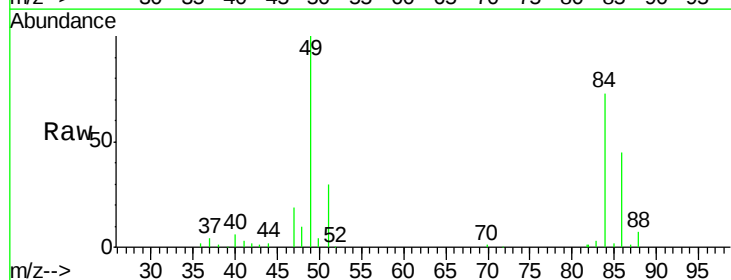
Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

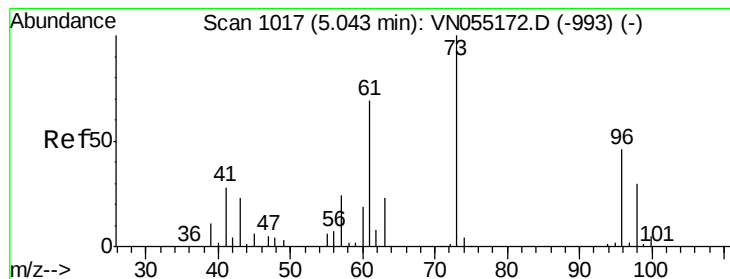
Tot Ion: 73 Resp: 242365
Ion Ratio Lower Upper
73 100
57 24.8 19.5 29.3



#20
Methylene Chloride
Concen: 20.059 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 84 Resp: 102416
Ion Ratio Lower Upper
84 100
49 136.6 113.8 170.6
51 40.9 34.0 51.0
86 61.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.537 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0427MBS01

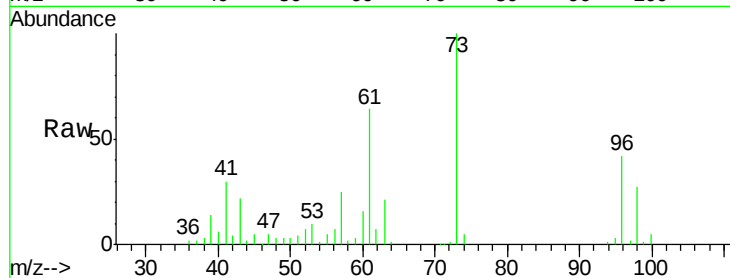
Tot Ion: 96 Resp: 87941

Ion Ratio Lower Upper

96 100

61 154.8 119.3 178.9

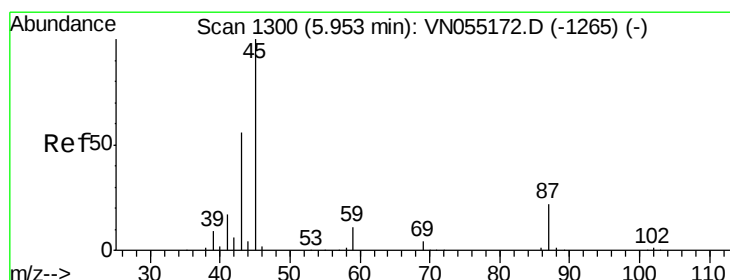
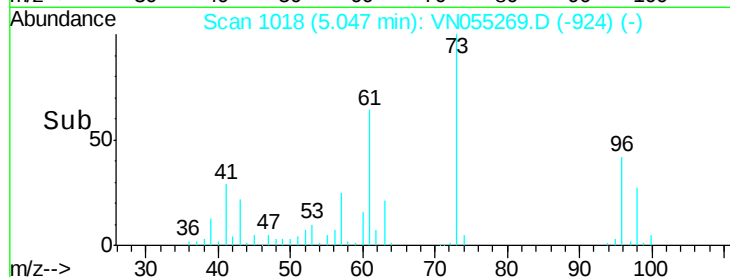
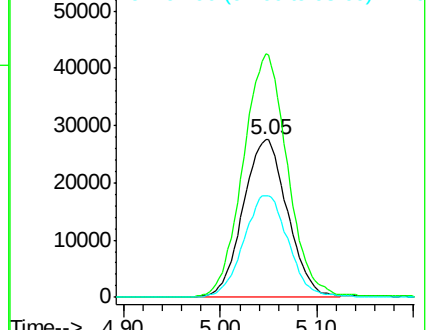
98 64.3 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.840 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion: 45 Resp: 351447

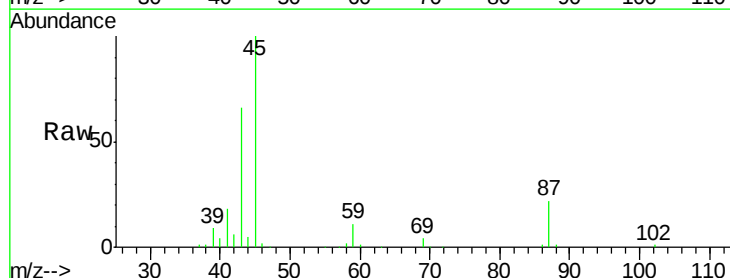
Ion Ratio Lower Upper

45 100

43 64.3 47.4 71.0

87 21.8 18.4 27.6

59 11.0 8.6 12.8

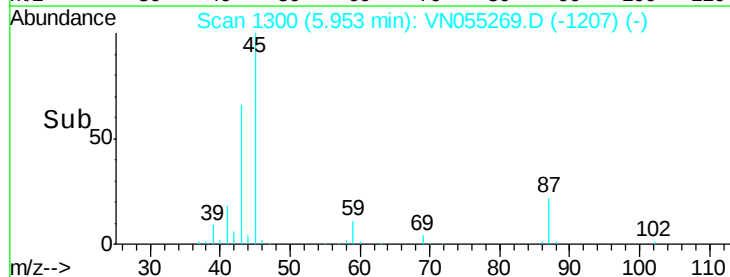
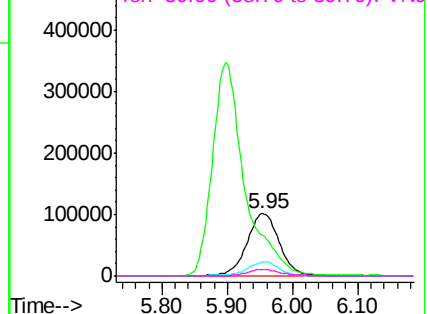


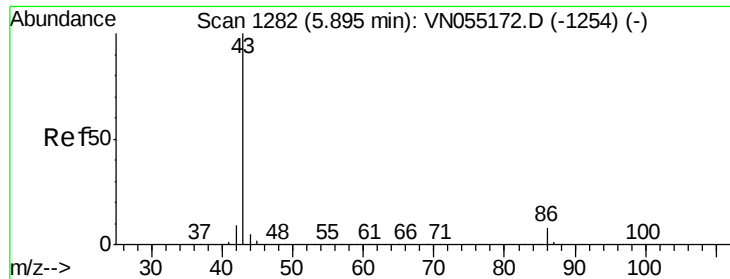
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 110.912 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

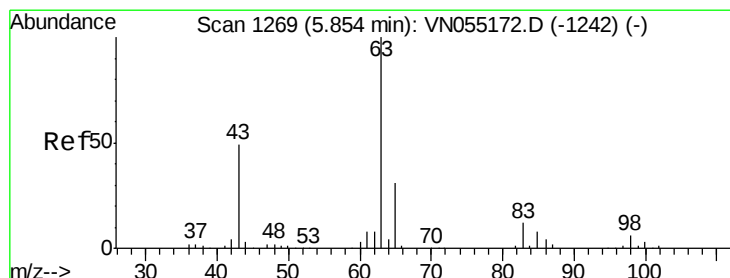
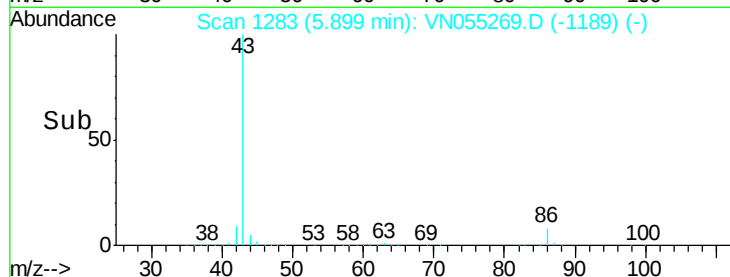
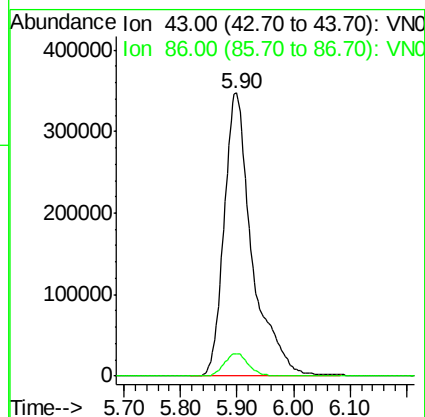
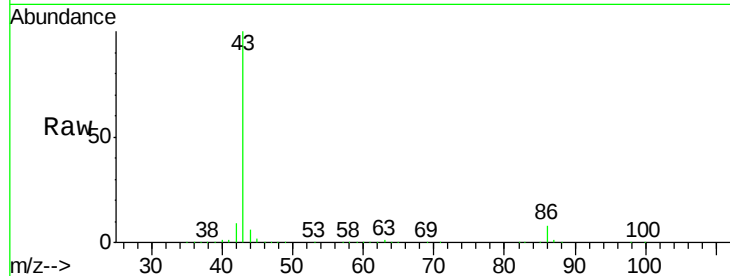
VN0427MBS01

Tot Ion: 43 Resp: 1199335

Ion Ratio Lower Upper

43 100

86 8.1 6.8 10.2



#24

1,1-Dichloroethane

Concen: 21.093 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

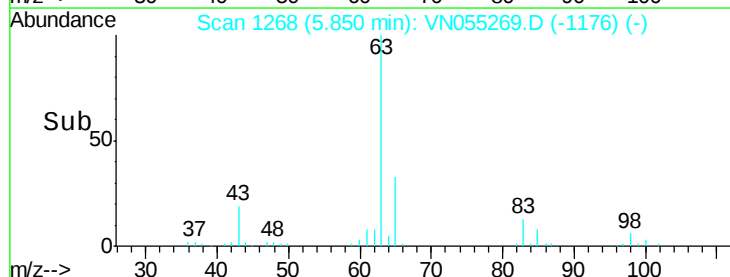
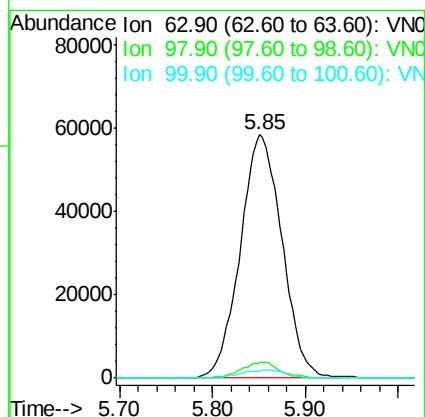
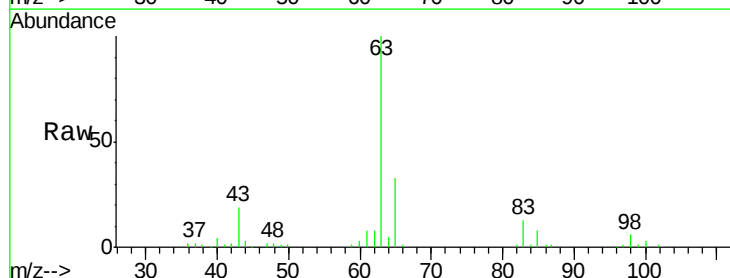
Tgt Ion: 63 Resp: 182565

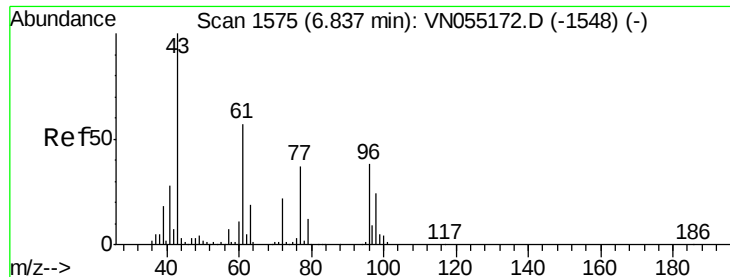
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 3.0 1.8 5.3





#25

2-Butanone

Concen: 101.625 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

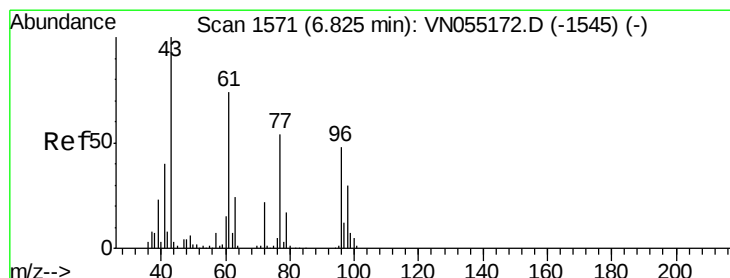
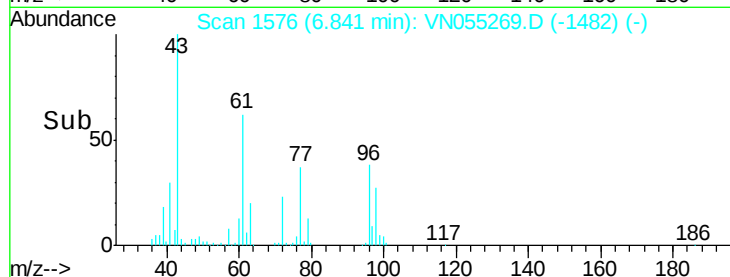
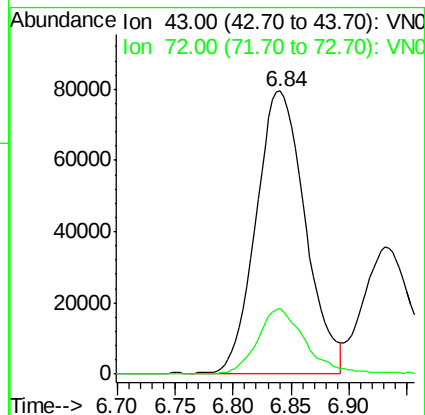
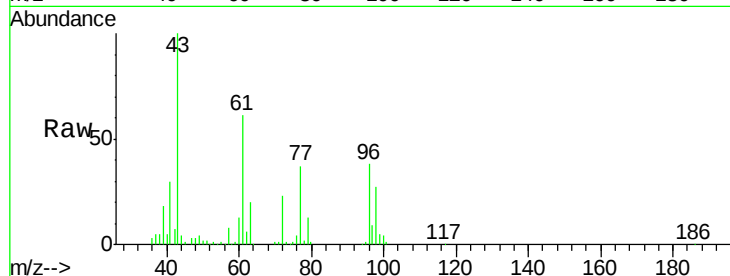
VN0427MBS01

Tot Ion: 43 Resp: 233012

Ion Ratio Lower Upper

43 100

72 23.2 17.8 26.8



#26

2,2-Dichloropropane

Concen: 20.735 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055269.D

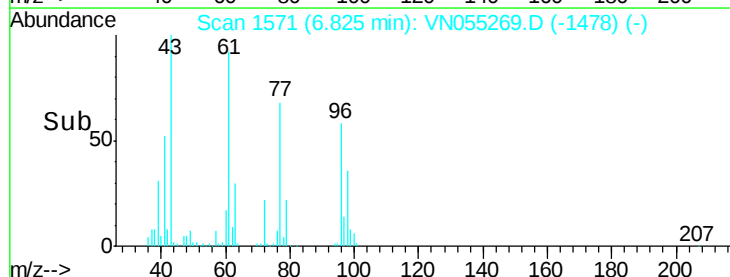
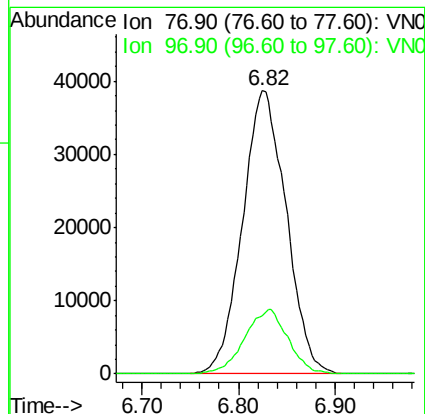
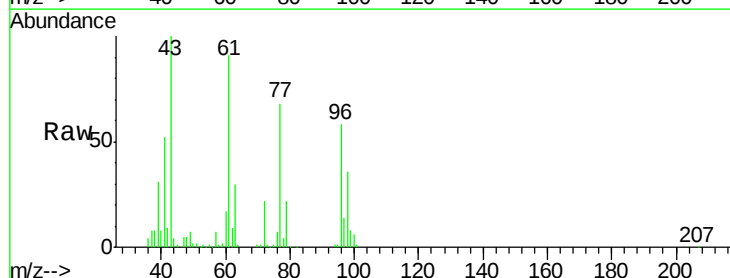
Acq: 26 Apr 2019 12:18

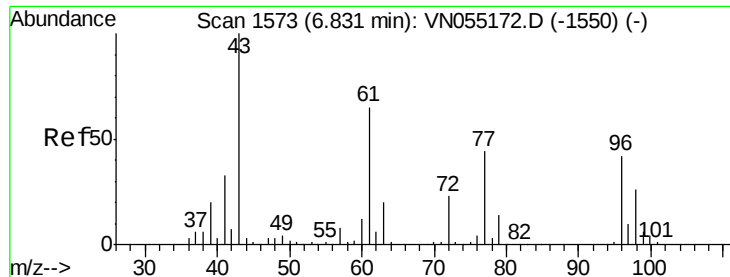
Tgt Ion: 77 Resp: 121450

Ion Ratio Lower Upper

77 100

97 22.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.871 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

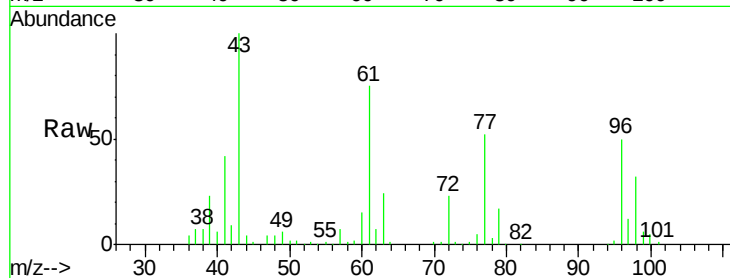
Tot Ion: 96 Resp: 103026

Ion Ratio Lower Upper

96 100

61 156.7 0.0 310.8

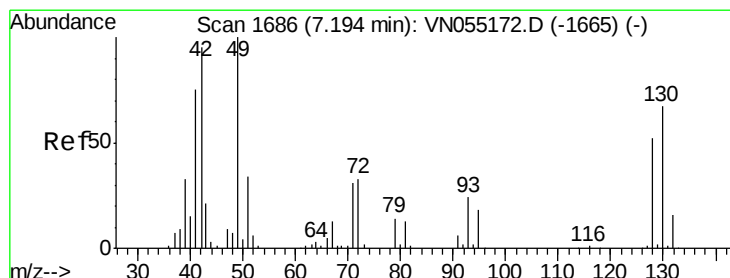
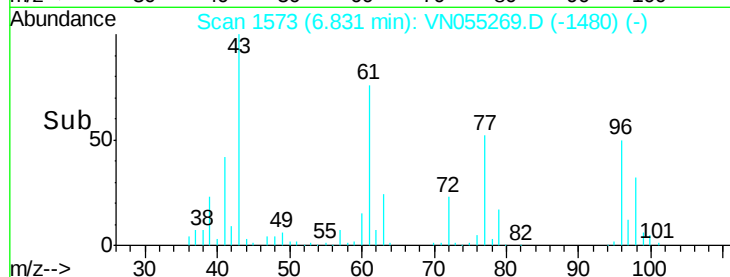
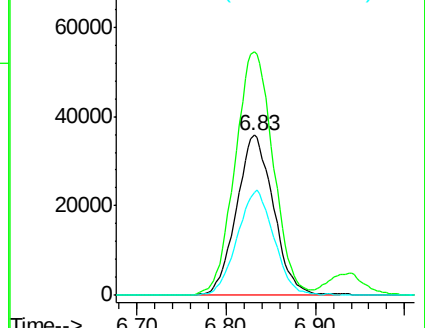
98 65.0 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.258 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

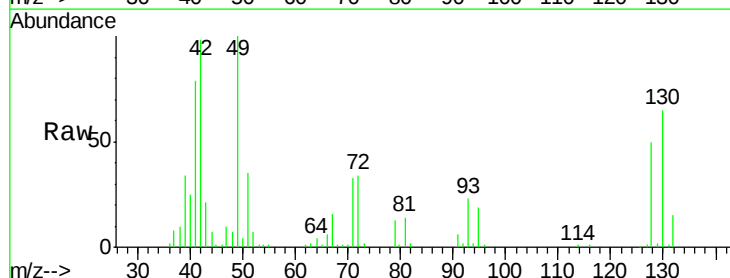
Tgt Ion: 49 Resp: 98204

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

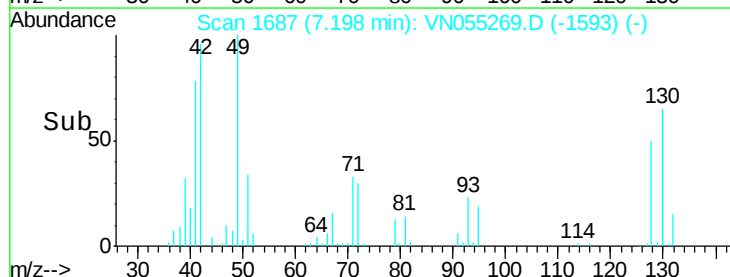
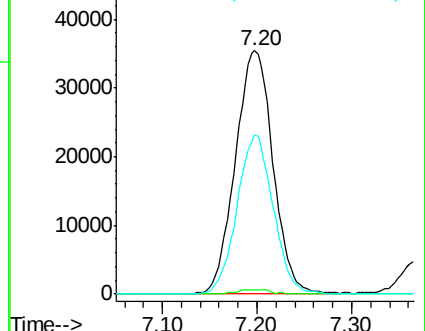
130 62.6 53.4 80.2

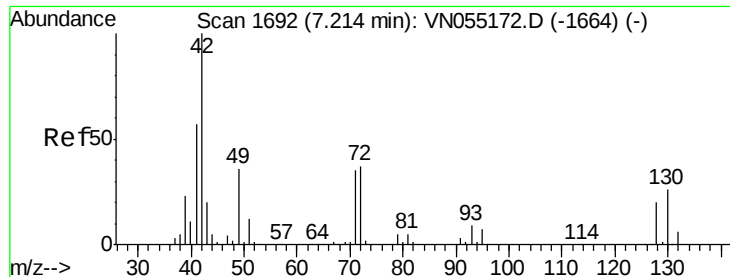


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

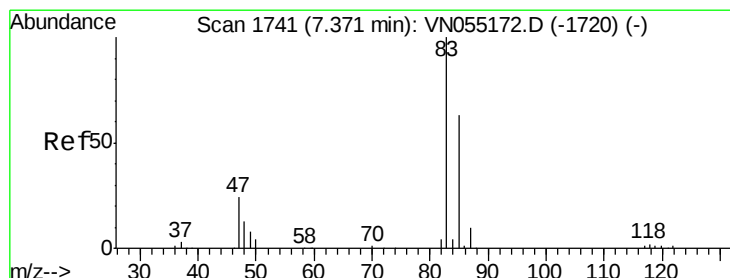
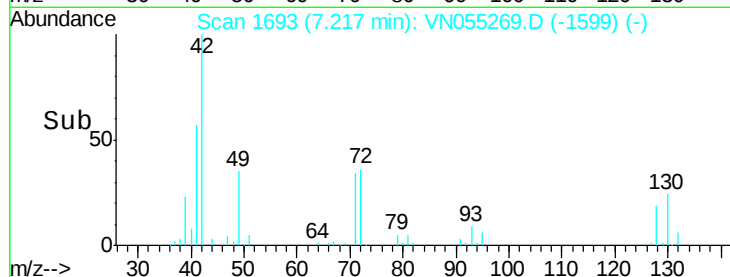
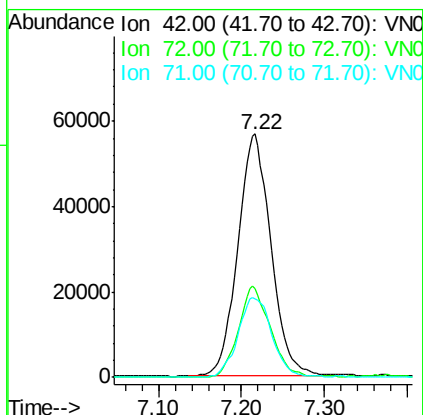
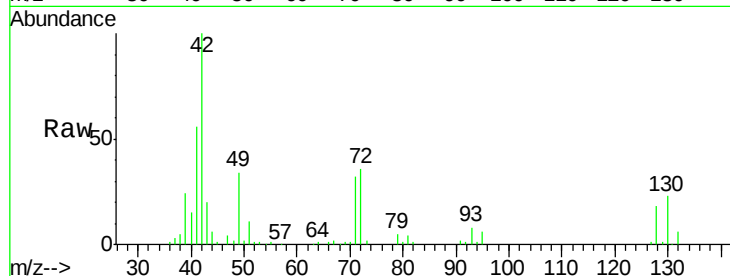




#29
Tetrahydrofuran
Concen: 112.138 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

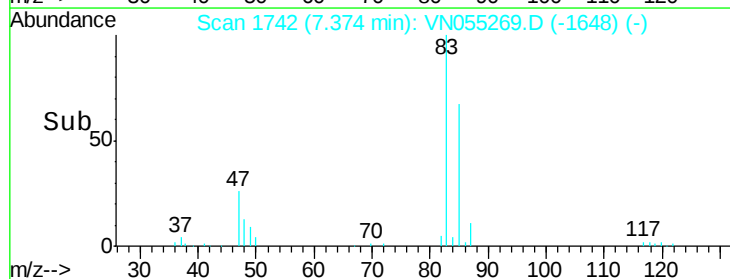
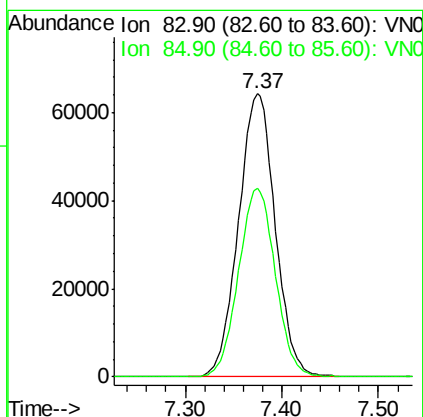
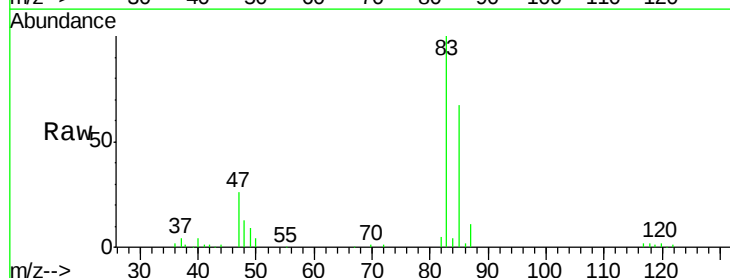
Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

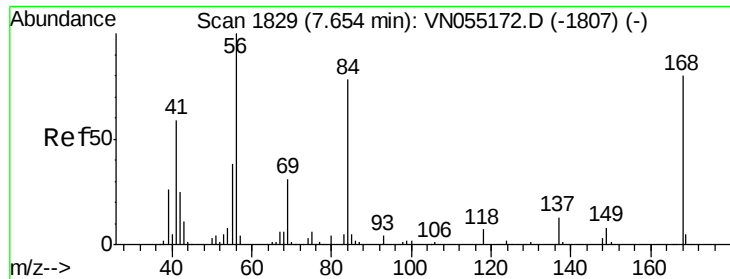
Tot Ion: 42 Resp: 158087
Ion Ratio Lower Upper
42 100
72 36.4 29.4 44.2
71 33.8 27.8 41.8



#30
Chloroform
Concen: 20.600 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 83 Resp: 169600
Ion Ratio Lower Upper
83 100
85 66.8 50.6 76.0





#31

Cyclohexane

Concen: 20.335 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0427MBS01

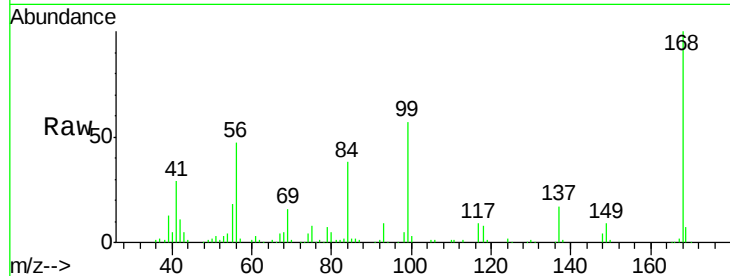
Tot Ion: 56 Resp: 171036

Ion Ratio Lower Upper

56 100

69 33.9 24.6 37.0

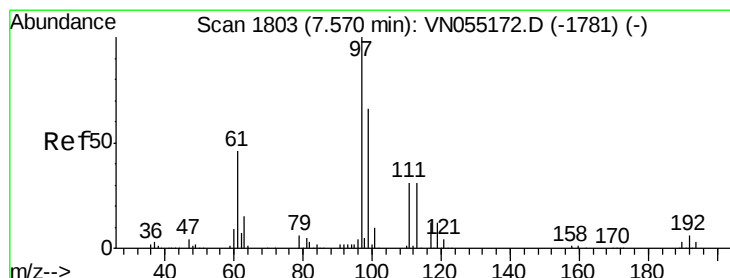
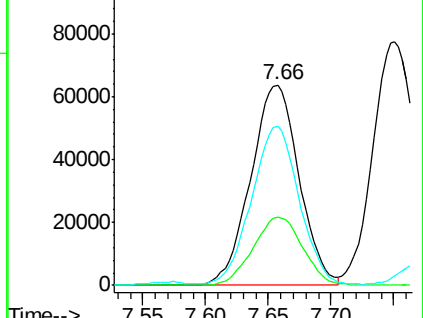
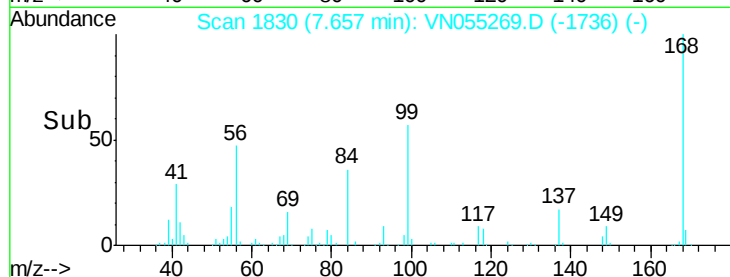
84 78.5 61.4 92.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.860 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

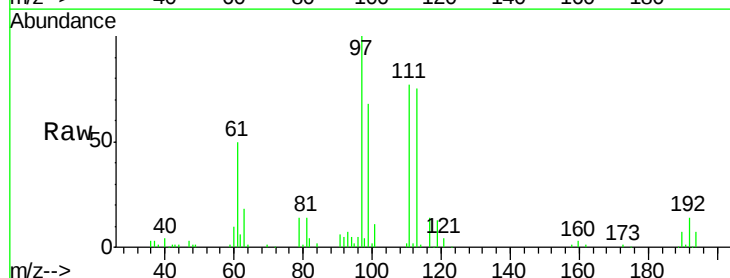
Tgt Ion: 97 Resp: 137977

Ion Ratio Lower Upper

97 100

99 65.2 51.1 76.7

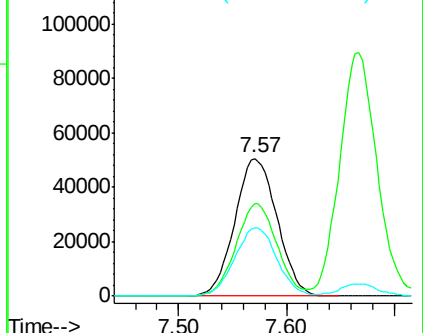
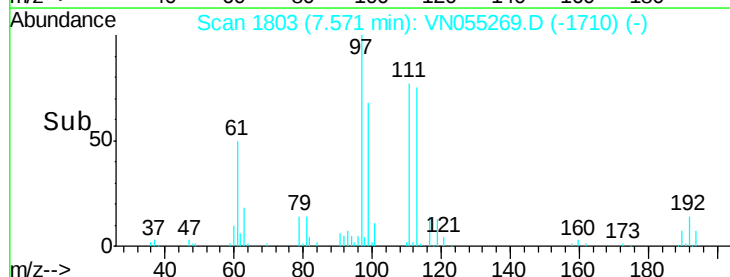
61 49.6 38.3 57.5

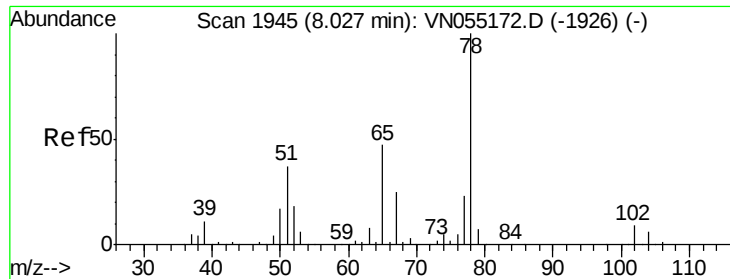


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

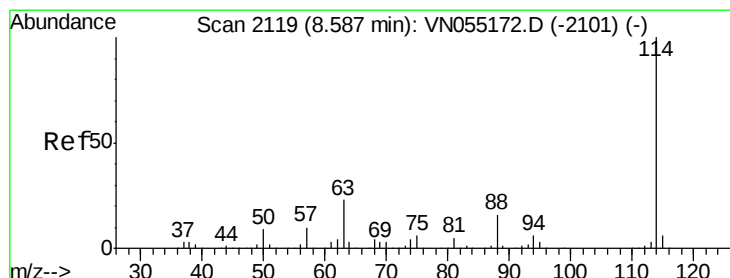
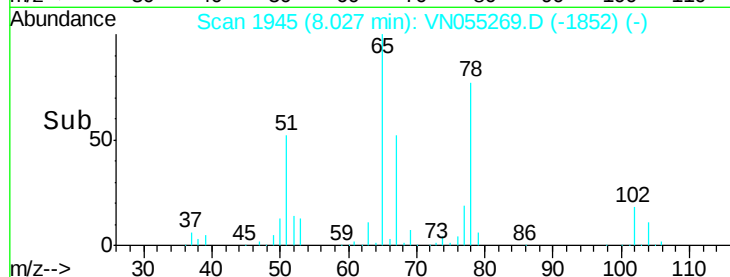
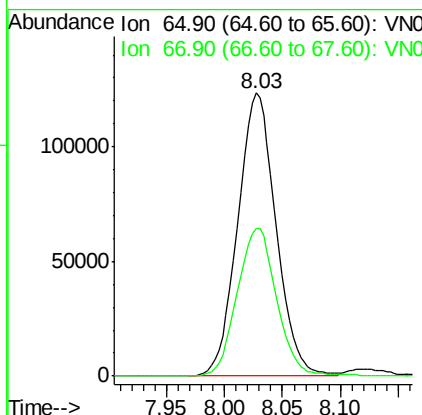
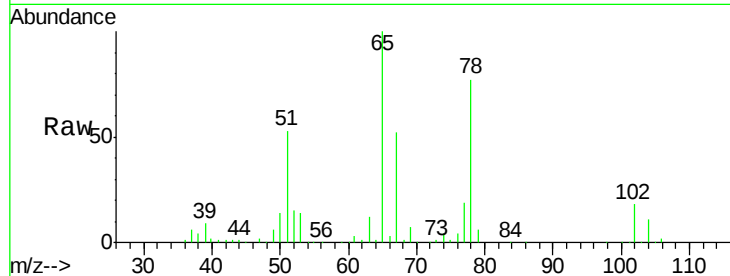




#33
 1,2-Dichloroethane-d4
 Concen: 52.883 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

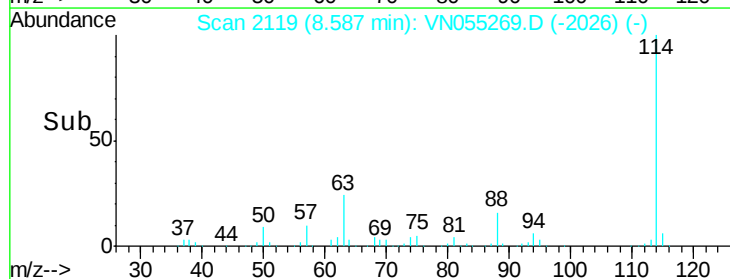
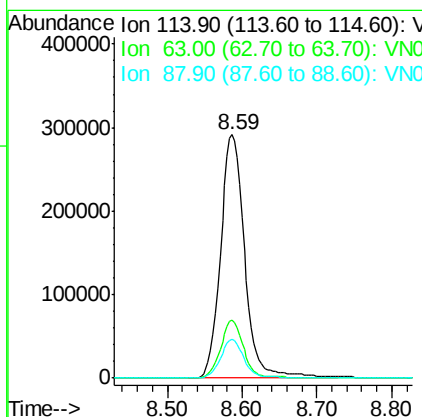
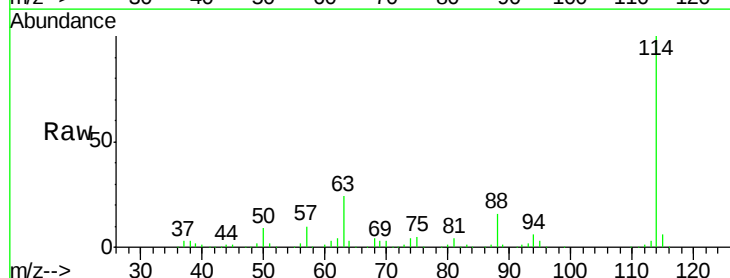
Instrument :
 MSVOA_N
 ClientSampled :
 VN0427MBS01

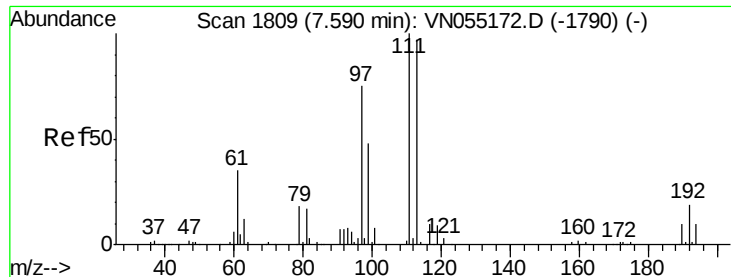
Tot Ion: 65 Resp: 284103
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion: 114 Resp: 651263
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 45.2
 88 15.8 0.0 32.8

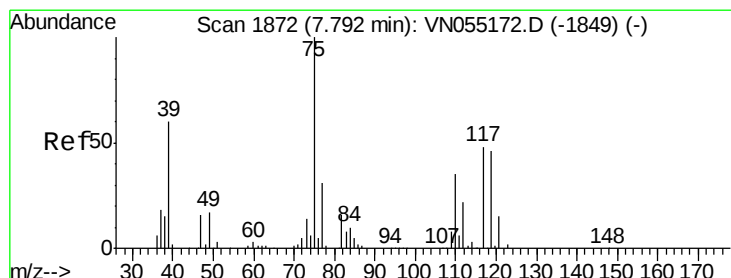
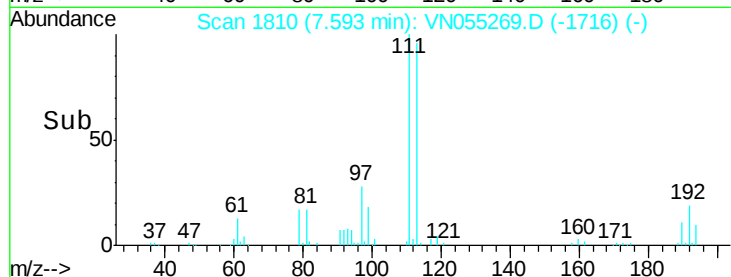
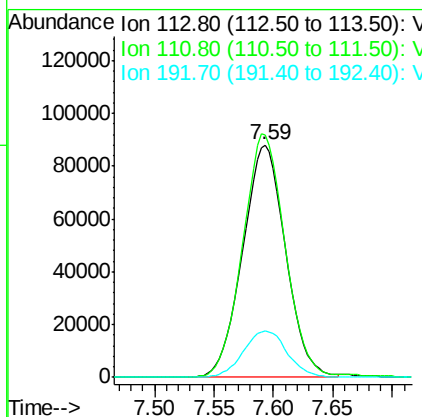
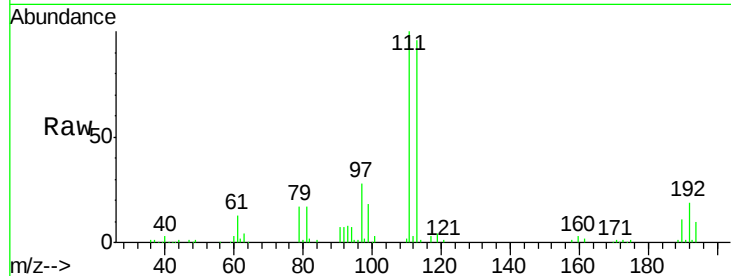




#35
 Dibromofluoromethane
 Concen: 49.690 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

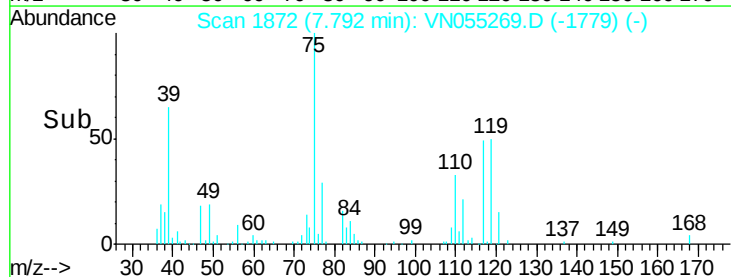
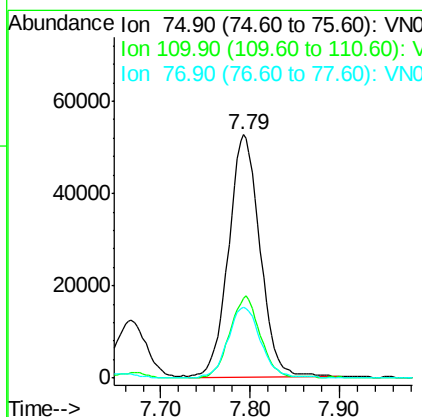
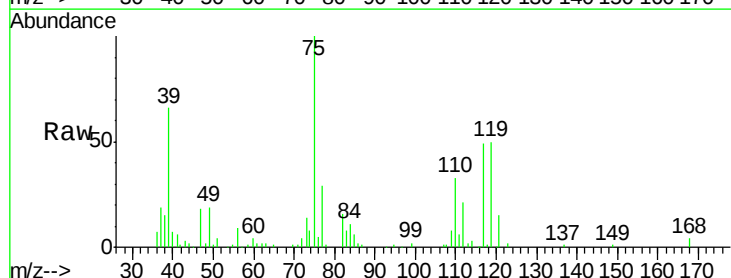
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

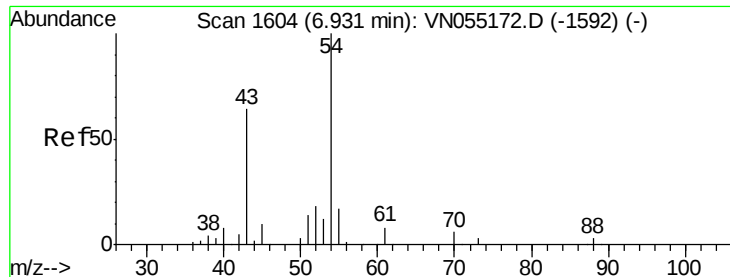
Tot Ion:113 Resp: 219844
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.0 121.4
 192 20.5 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 21.083 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion: 75 Resp: 127440
 Ion Ratio Lower Upper
 75 100
 110 33.0 17.1 51.2
 77 30.7 24.6 36.8

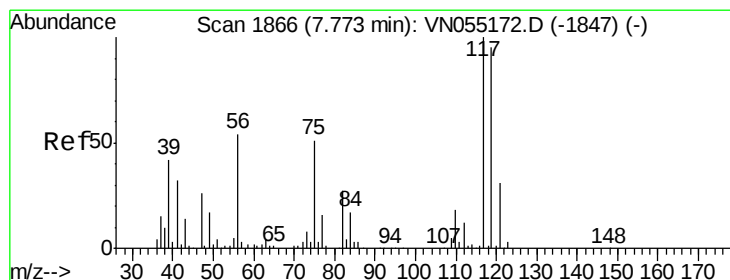
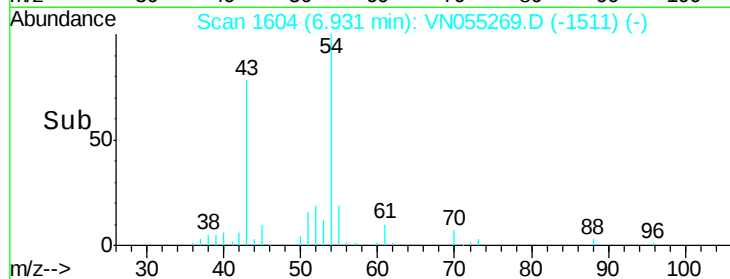
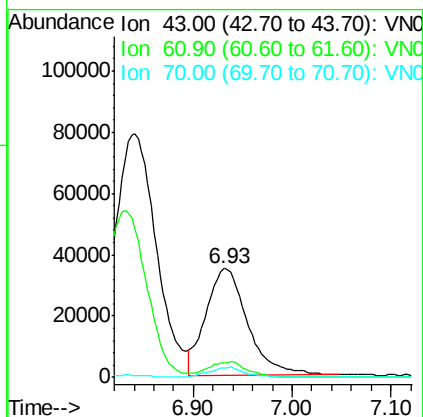
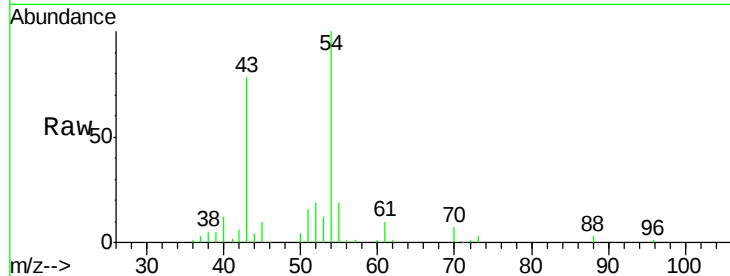




#37
Ethyl Acetate
Concen: 21.277 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

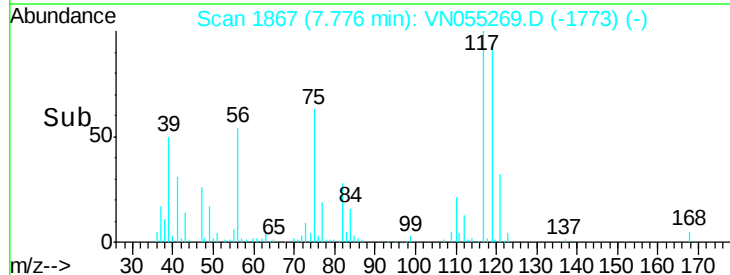
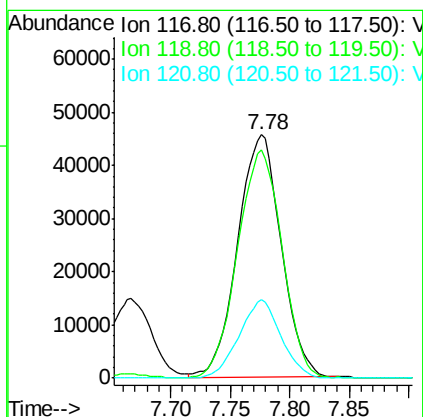
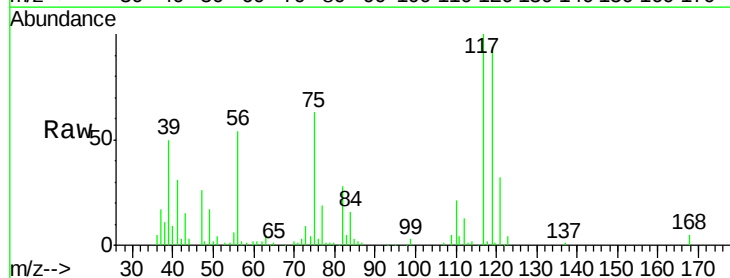
Instrument :
MSVOA_N
ClientSampled :
VN0427MBS01

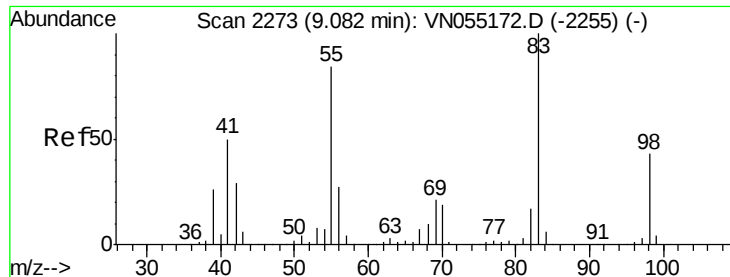
Tot Ion: 43 Resp: 103798
Ion Ratio Lower Upper
43 100
61 13.3 9.7 14.5
70 8.2 6.9 10.3



#38
Carbon Tetrachloride
Concen: 20.389 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 117 Resp: 115414
Ion Ratio Lower Upper
117 100
119 94.0 76.0 114.0
121 32.4 24.6 36.8

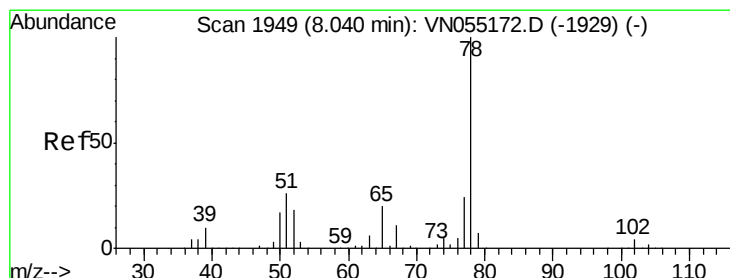
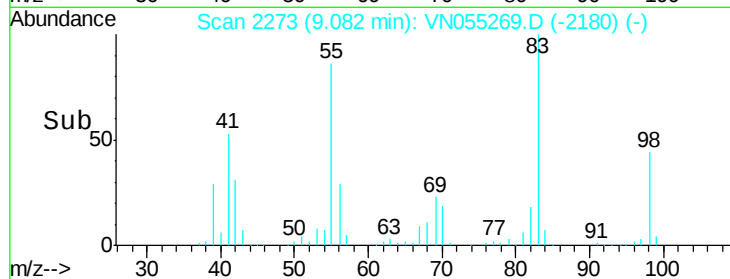
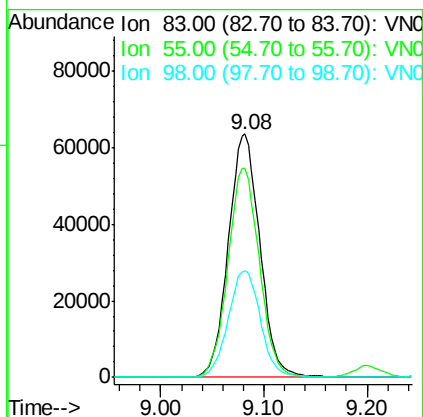
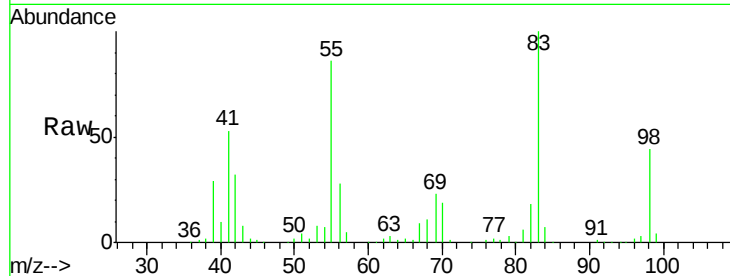




#39
Methvlcvclohexane
Concen: 18.816 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

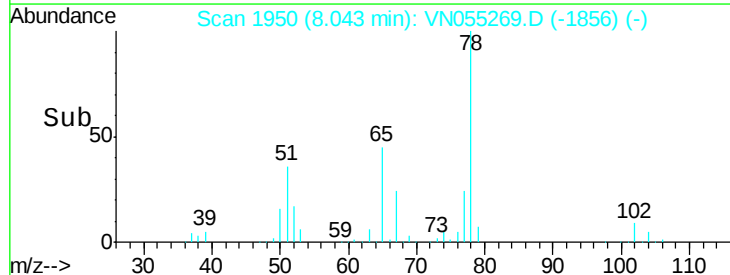
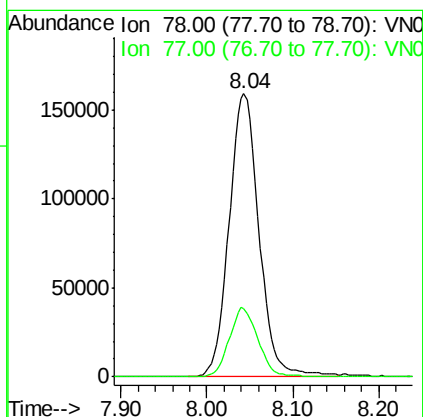
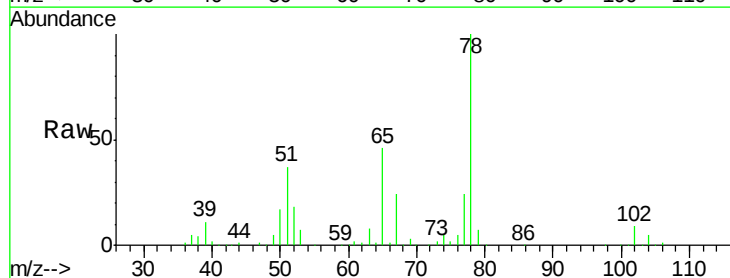
Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

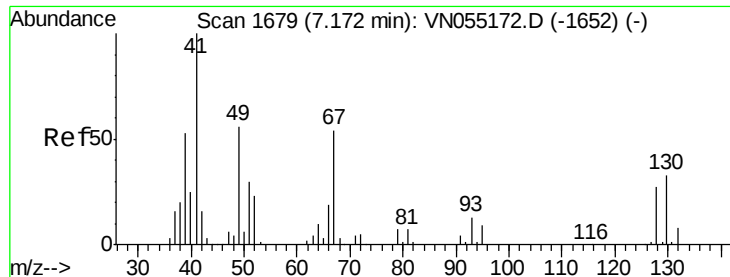
Tot Ion: 83 Resp: 135687
Ion Ratio Lower Upper
83 100
55 85.8 67.4 101.0
98 43.8 34.7 52.1



#40
Benzene
Concen: 20.611 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 78 Resp: 384602
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3

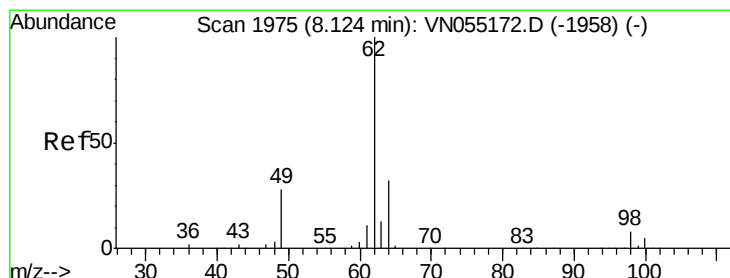
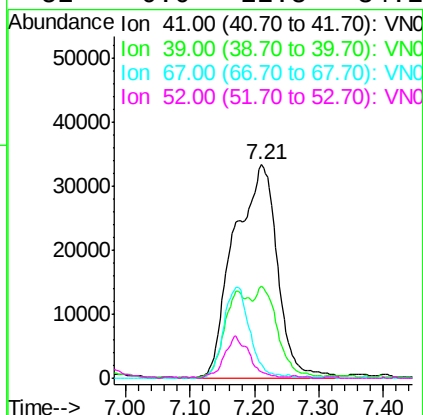
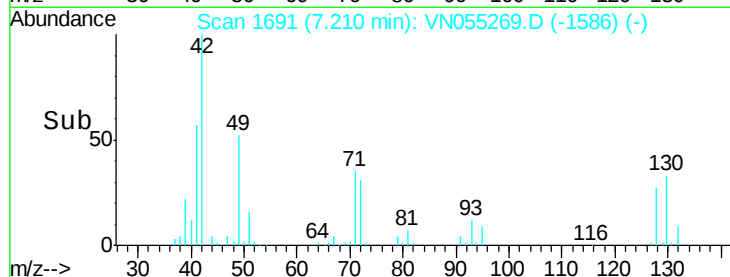
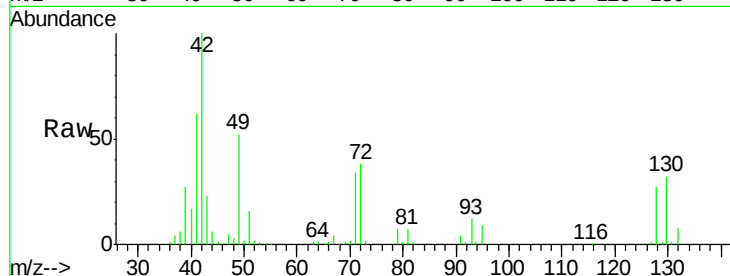




#41
Methacrylonitrile
Concen: 61.046 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

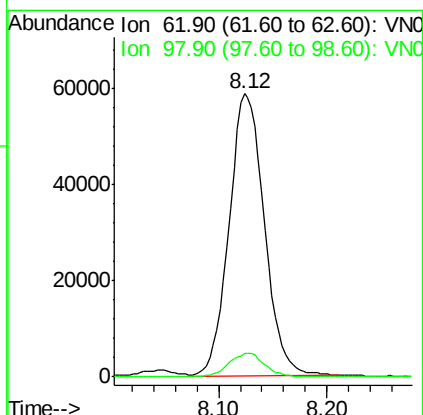
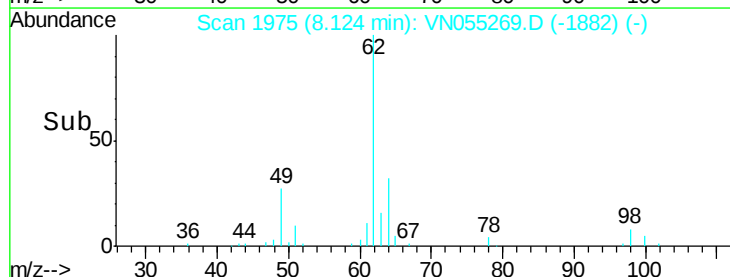
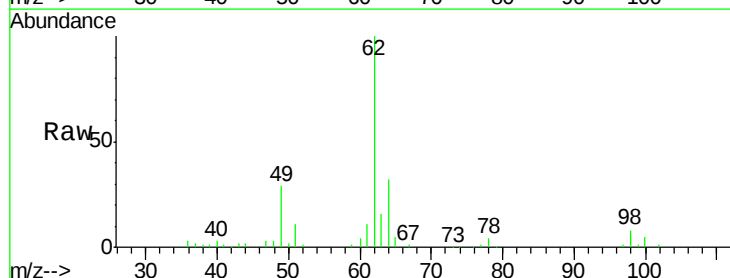
Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

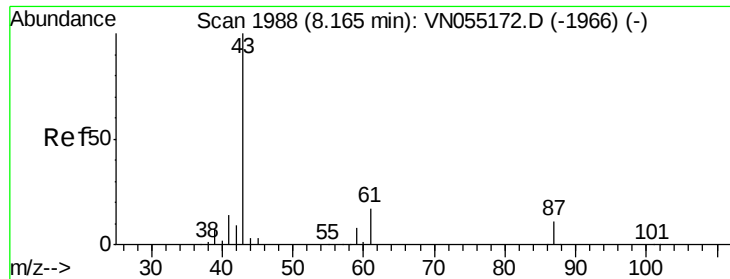
Tot Ion: 41 Resp: 156127
Ion Ratio Lower Upper
41 100
39 0.0 45.4 68.0#
67 0.0 54.6 81.8#
52 0.0 22.8 34.2#



#42
1,2-Dichloroethane
Concen: 20.493 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 62 Resp: 133407
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.0





#43

Isopropyl Acetate

Concen: 21.616 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

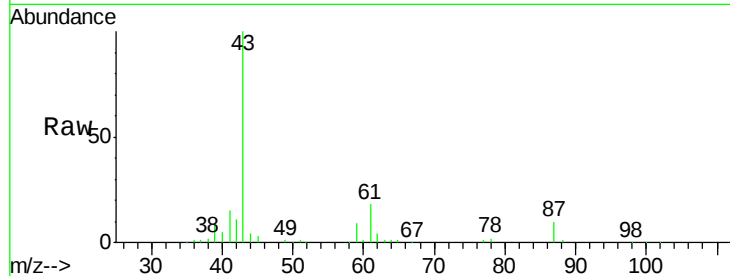
MSVOA_N

ClientSampleId :

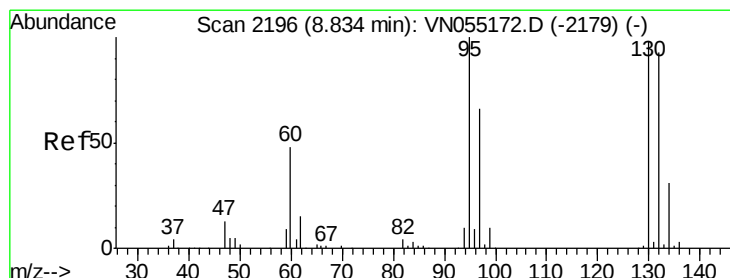
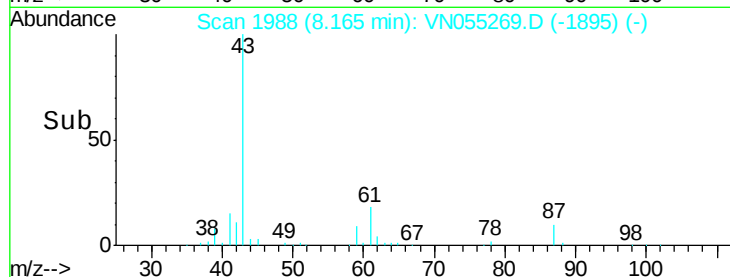
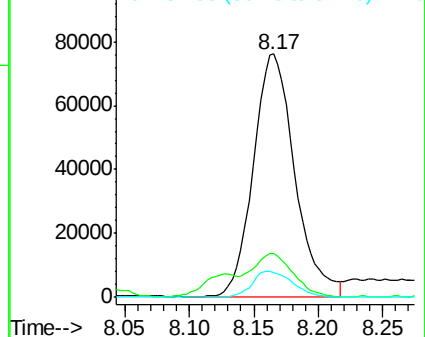
VN0427MBS01

Tot Ion: 43 Resp: 170761

Ion	Ratio	Lower	Upper
43	100		
61	17.3	20.6	30.8#
87	10.4	8.8	13.2



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-1966) (-)



#44

Trichloroethene

Concen: 20.383 ug/l

RT: 8.84 min Scan# 2197

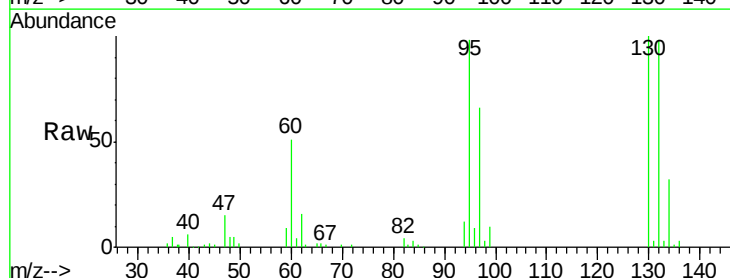
Delta R.T. 0.00 min

Lab File: VN055269.D

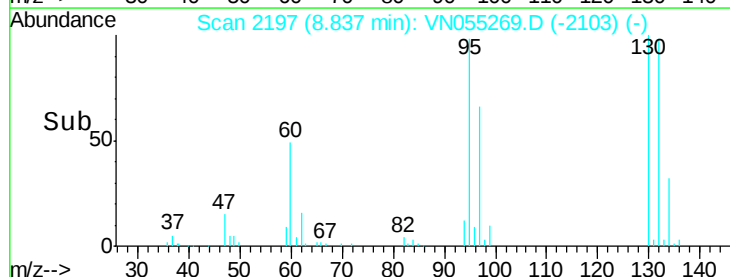
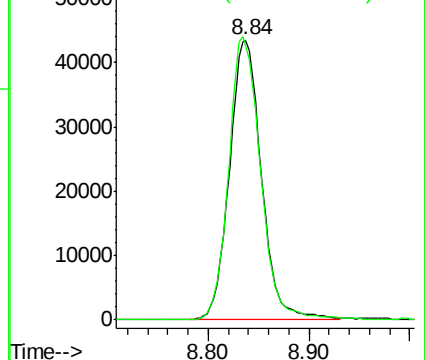
Acq: 26 Apr 2019 12:18

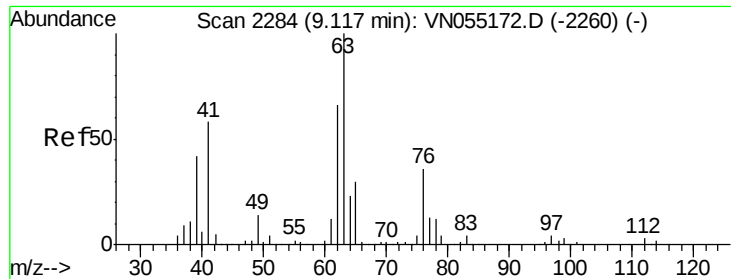
Tgt Ion: 130 Resp: 96132

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	203.6



Abundance Ion 129.80 (129.50 to 130.50): VN055172.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.891 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

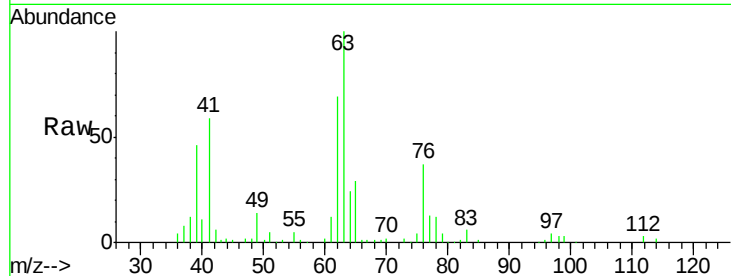
VN0427MBS01

Tot Ion: 63 Resp: 110038

Ion Ratio Lower Upper

63 100

65 29.2 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

60000

50000

40000

30000

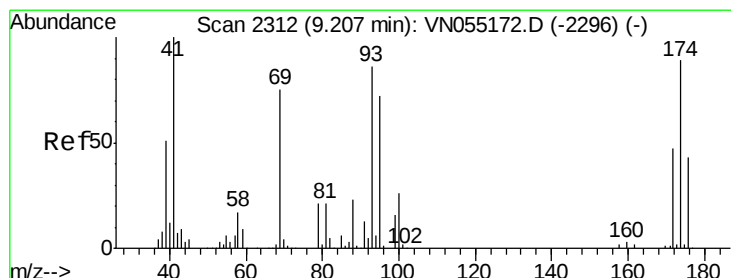
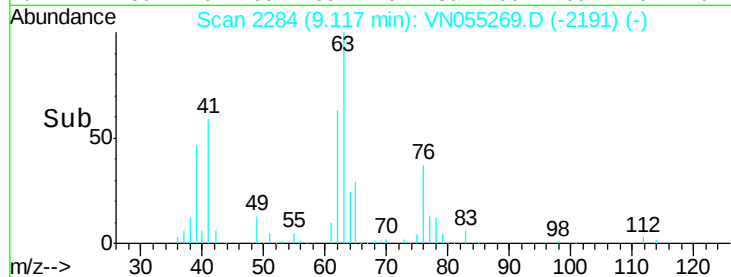
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 20.436 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

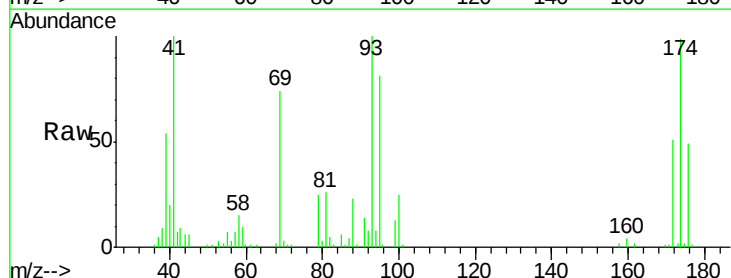
Tgt Ion: 93 Resp: 61618

Ion Ratio Lower Upper

93 100

95 84.5 67.6 101.4

174 100.8 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

30000

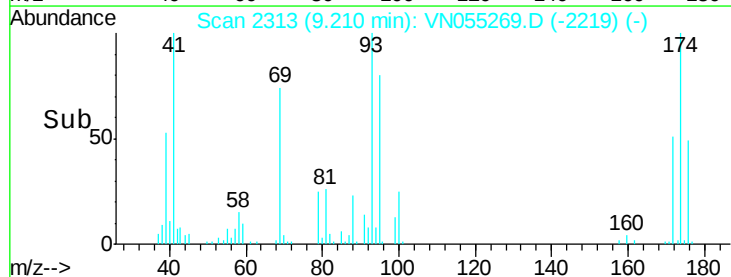
20000

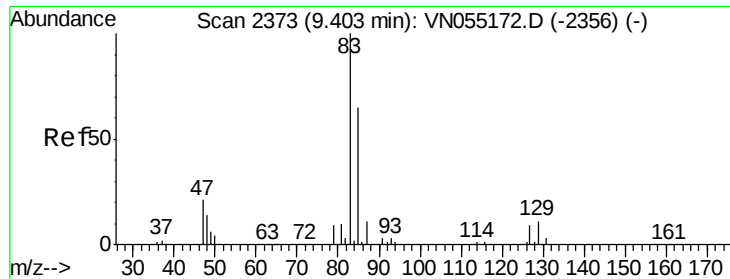
10000

0

Time-->

9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 20.980 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

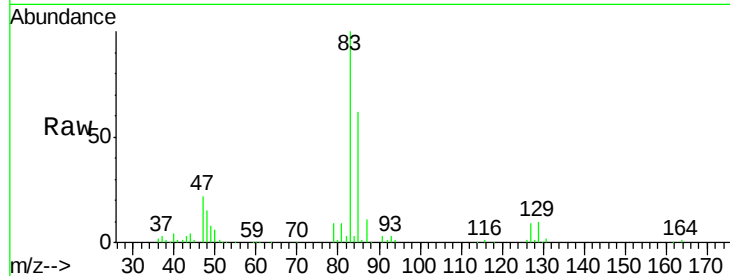
Tot Ion: 83 Resp: 126639

Ion Ratio Lower Upper

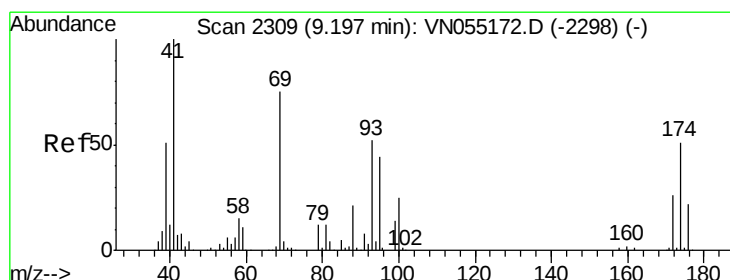
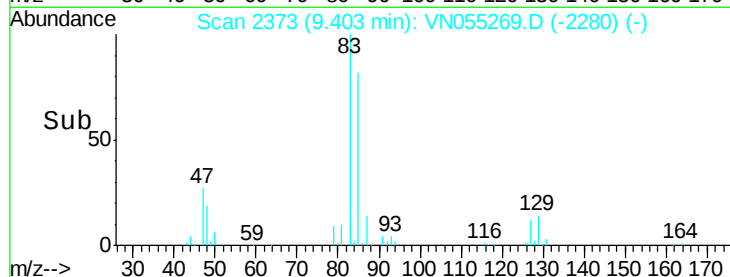
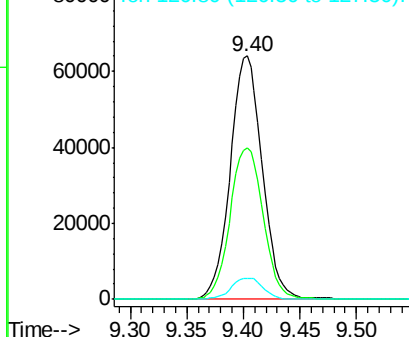
83 100

85 62.1 52.1 78.1

127 8.8 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.044 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

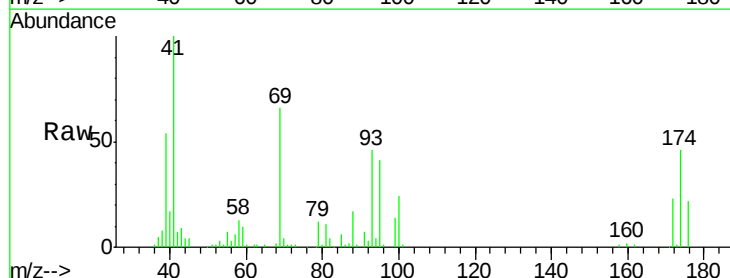
Tgt Ion: 41 Resp: 80638

Ion Ratio Lower Upper

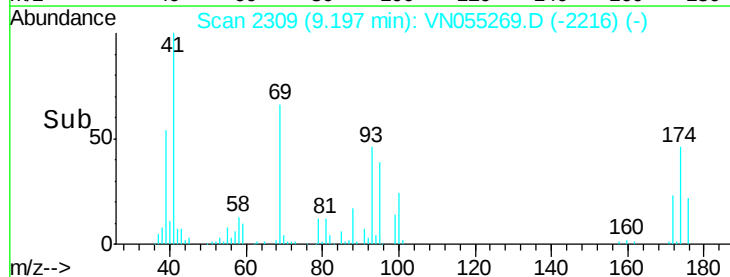
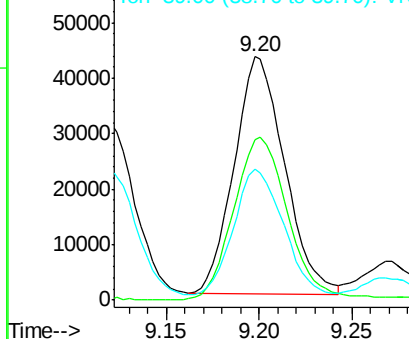
41 100

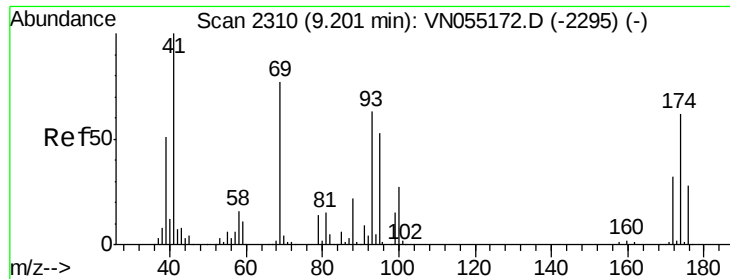
69 75.7 63.6 95.4

39 55.4 43.8 65.8



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





#49

1,4-Dioxane

Concen: 406.583 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

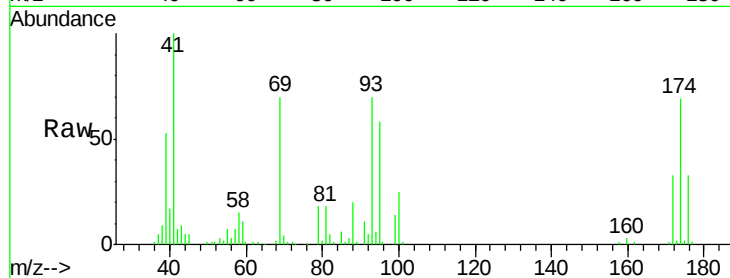
Tot Ion: 88 Resp: 17992

Ion Ratio Lower Upper

88 100

43 38.3 32.0 48.0

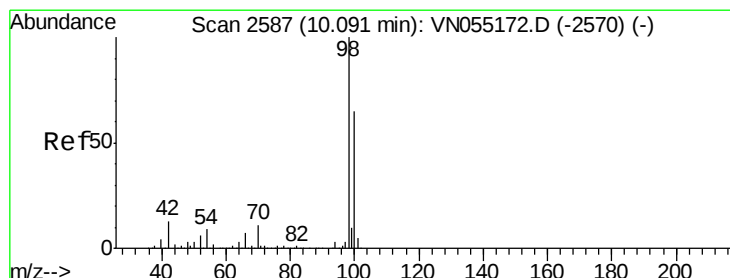
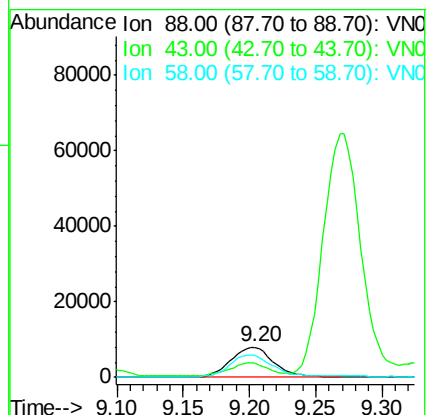
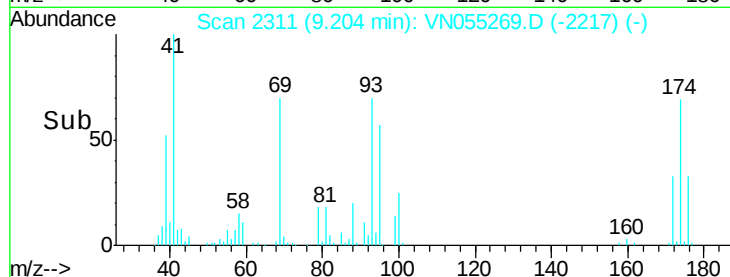
58 76.0 60.4 90.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.006 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055269.D

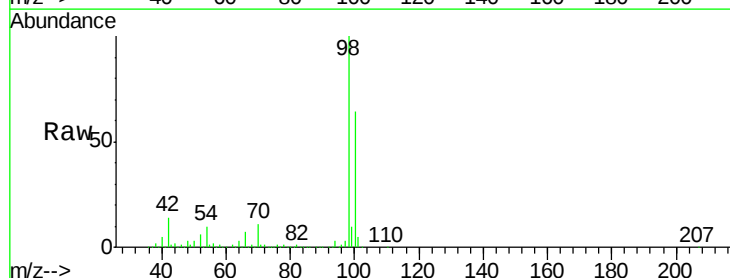
Acq: 26 Apr 2019 12:18

Tgt Ion: 98 Resp: 803352

Ion Ratio Lower Upper

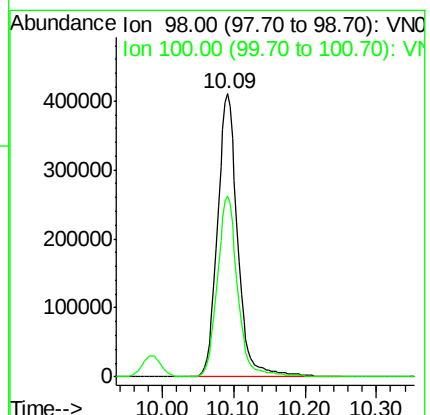
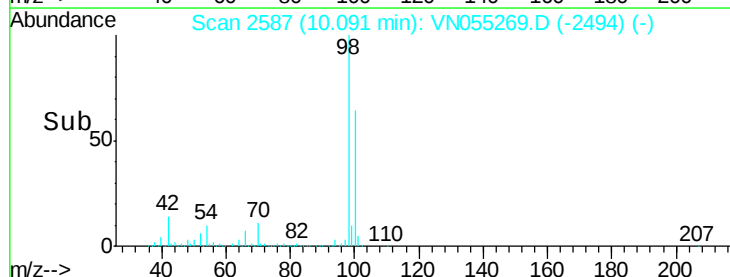
98 100

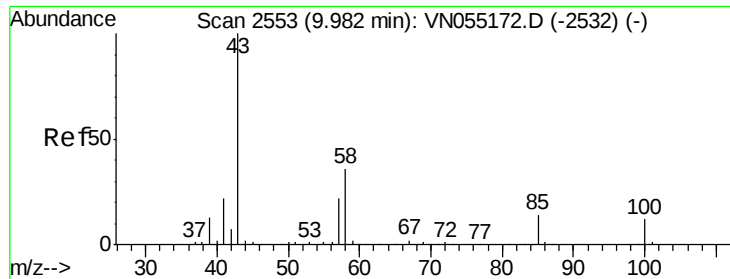
100 64.3 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 106.194 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

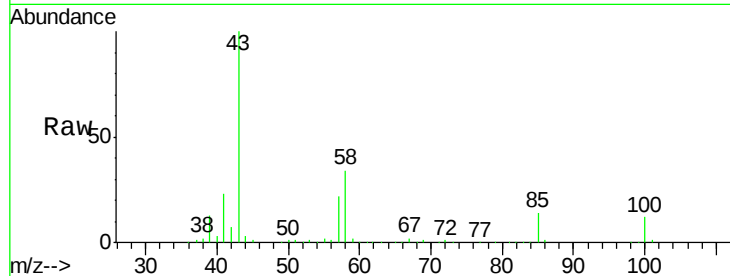
VN0427MBS01

Tot Ion: 43 Resp: 482721

Ion Ratio Lower Upper

43 100

58 34.5 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

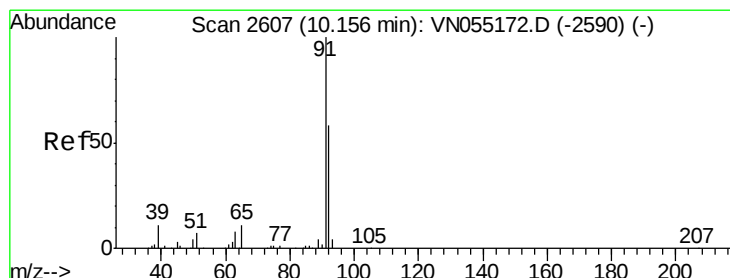
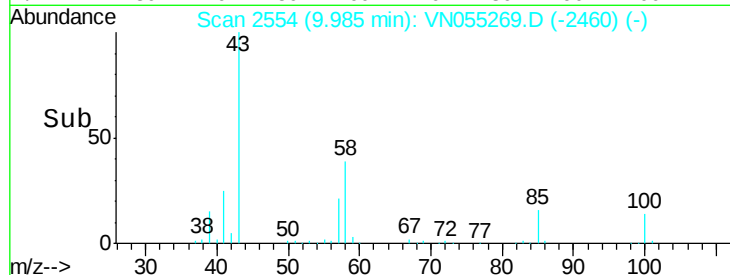
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.724 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055269.D

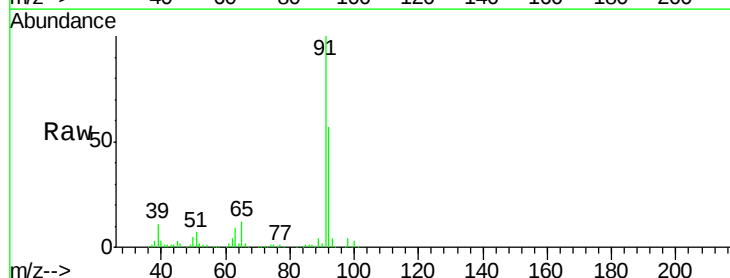
Acq: 26 Apr 2019 12:18

Tgt Ion: 92 Resp: 226698

Ion Ratio Lower Upper

92 100

91 173.6 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

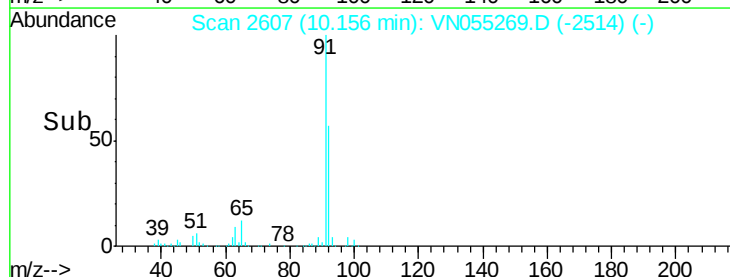
150000

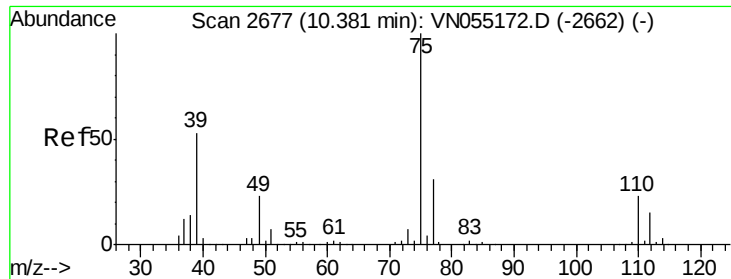
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.575 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

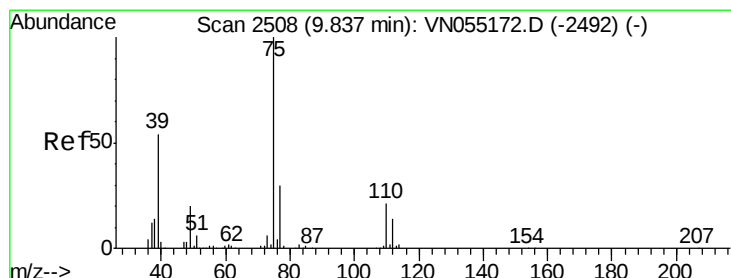
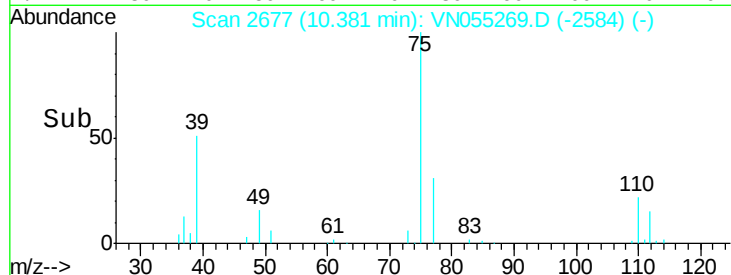
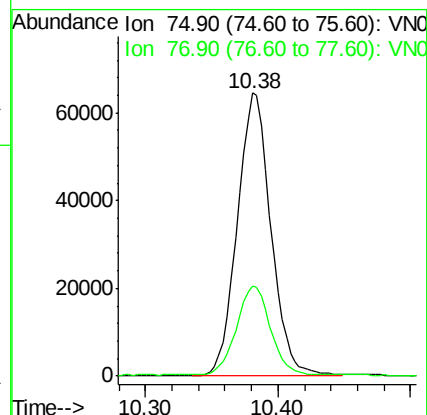
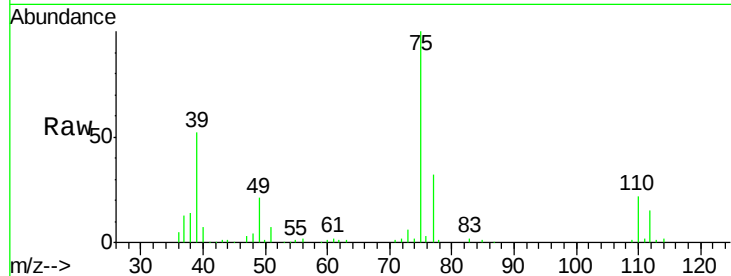
VN0427MBS01

Tot Ion: 75 Resp: 113975

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.894 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

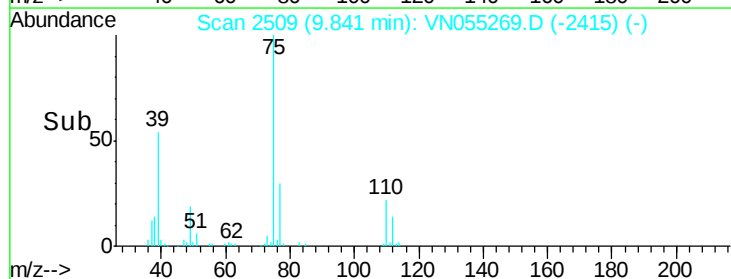
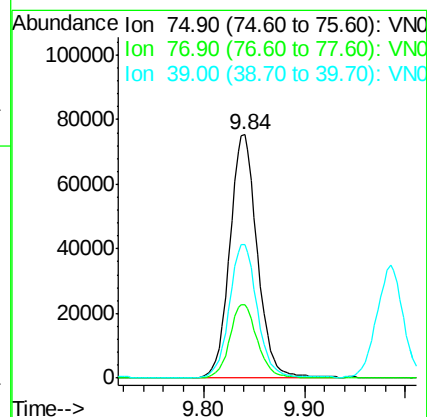
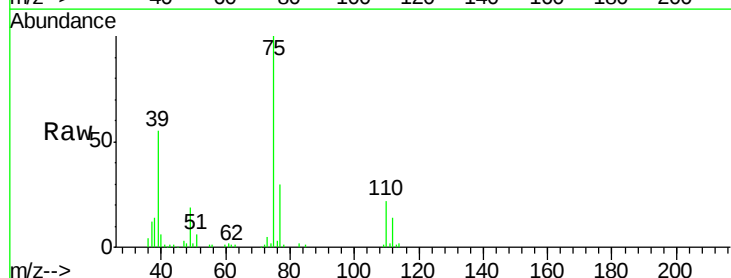
Tgt Ion: 75 Resp: 143630

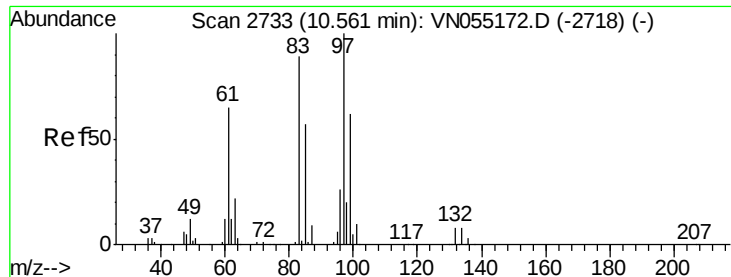
Ion Ratio Lower Upper

75 100

77 30.3 24.3 36.5

39 54.6 43.0 64.4

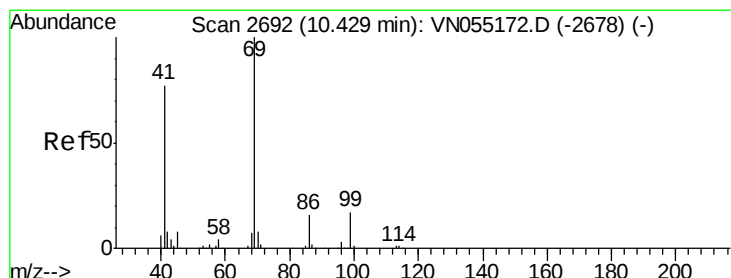
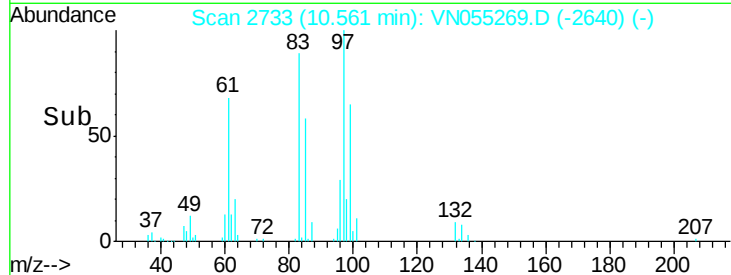
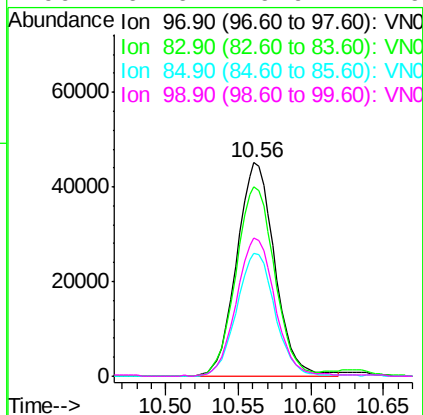
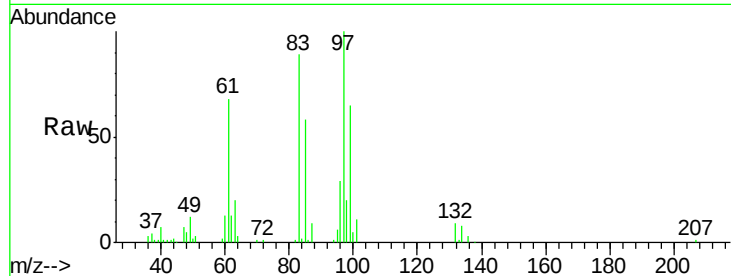




#55
 1,1,2-Trichloroethane
 Concen: 20.420 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

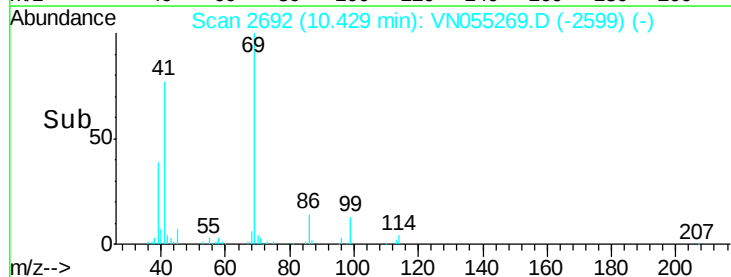
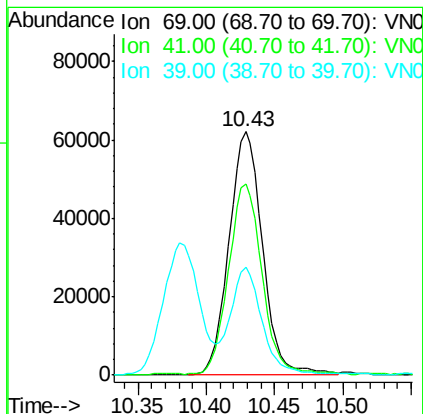
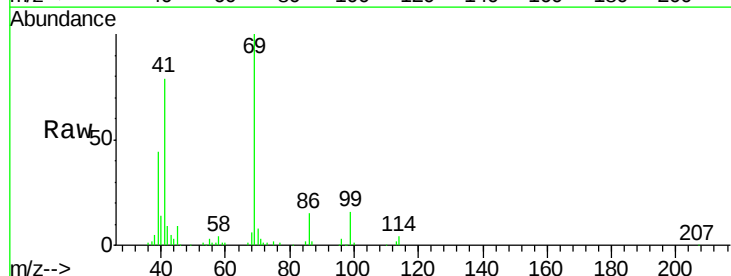
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

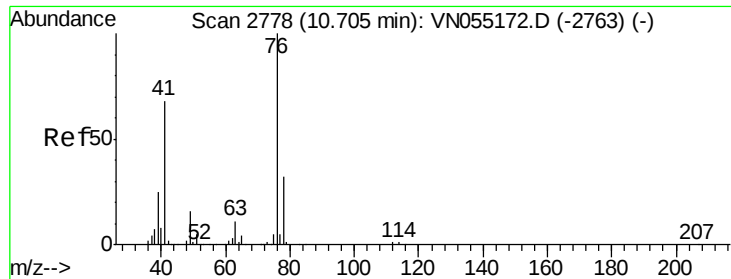
Tot Ion:	97	Resp:	82350
Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.5	107.3
85	57.6	45.8	68.6
99	64.6	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 21.131 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion:	69	Resp:	106162
Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.6	90.8
39	41.4	31.7	47.5





#57

1,3-Dichloropropane

Concen: 20.753 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

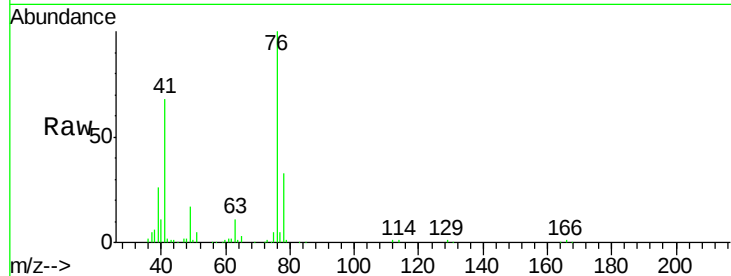
VN0427MBS01

Tot Ion: 76 Resp: 145616

Ion Ratio Lower Upper

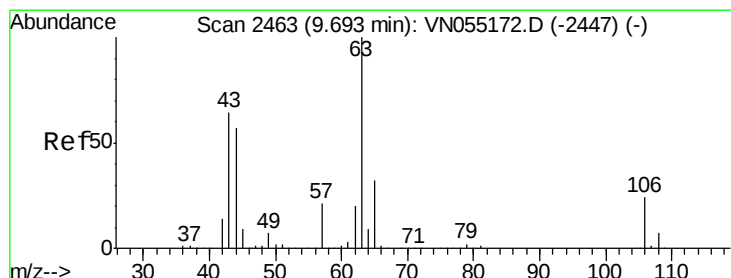
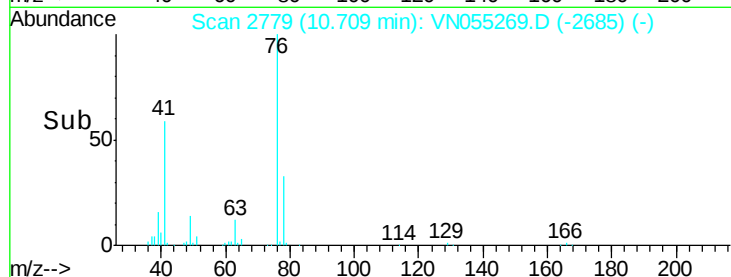
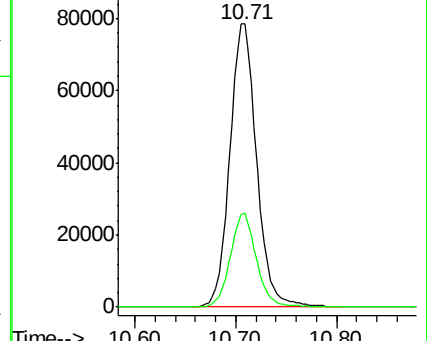
76 100

78 32.4 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 75.638 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055269.D

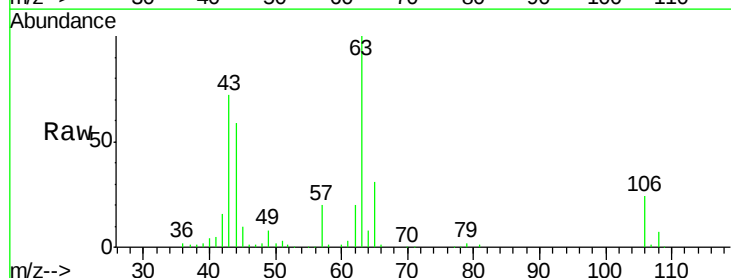
Acq: 26 Apr 2019 12:18

Tgt Ion: 63 Resp: 130471

Ion Ratio Lower Upper

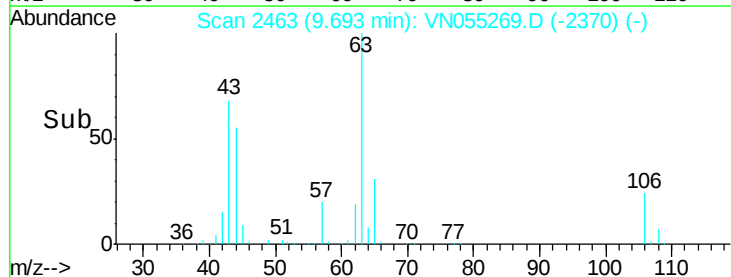
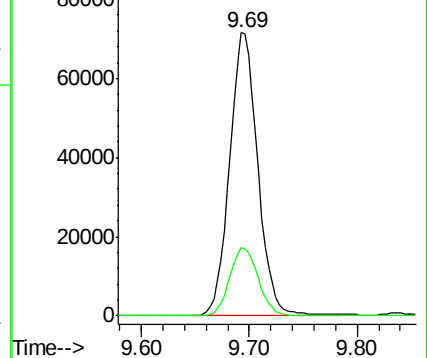
63 100

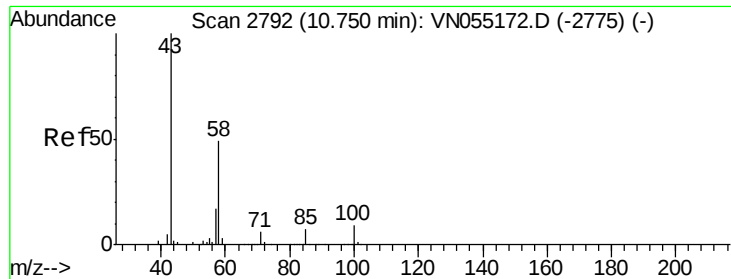
106 24.4 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

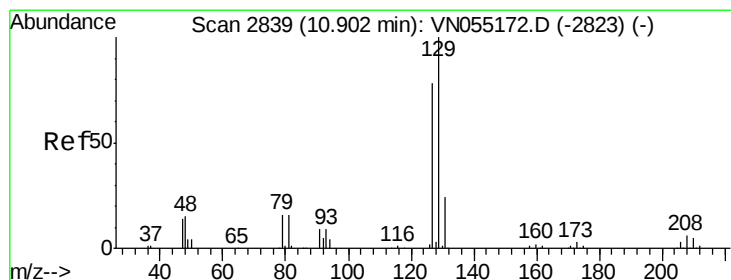
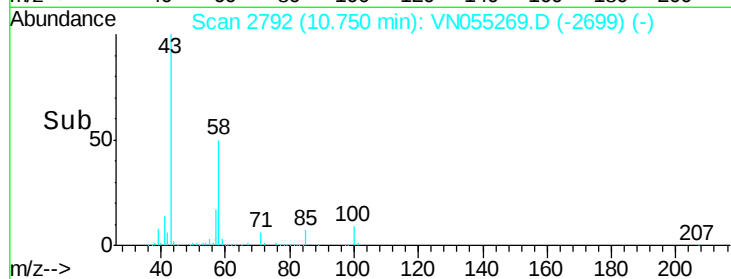
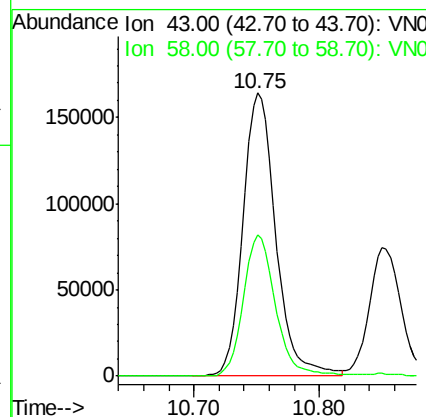
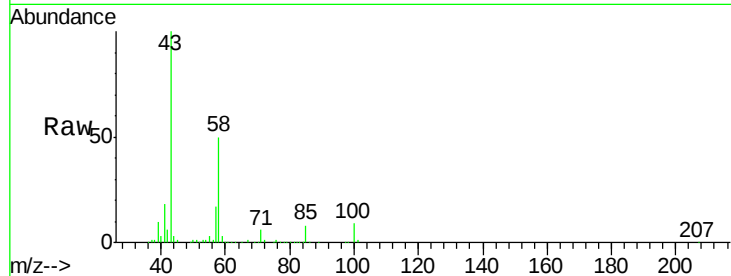




#59
2-Hexanone
Concen: 103.521 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

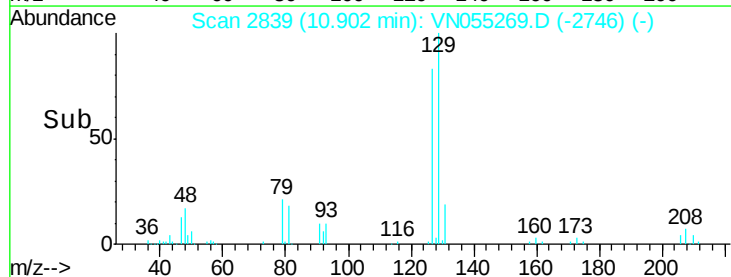
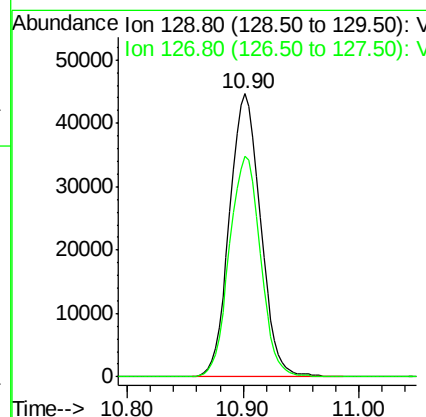
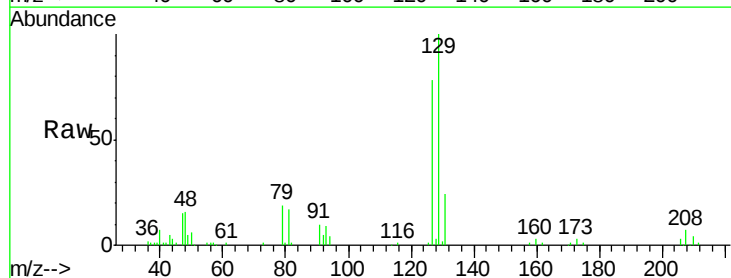
Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

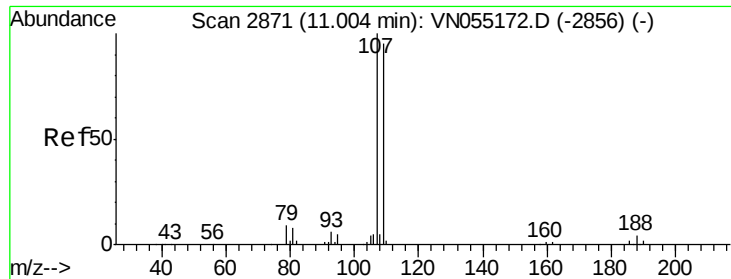
Tot Ion: 43 Resp: 297235
Ion Ratio Lower Upper
43 100
58 49.2 24.5 73.5



#60
Dibromochloromethane
Concen: 19.947 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 129 Resp: 82858
Ion Ratio Lower Upper
129 100
127 78.1 39.0 117.0

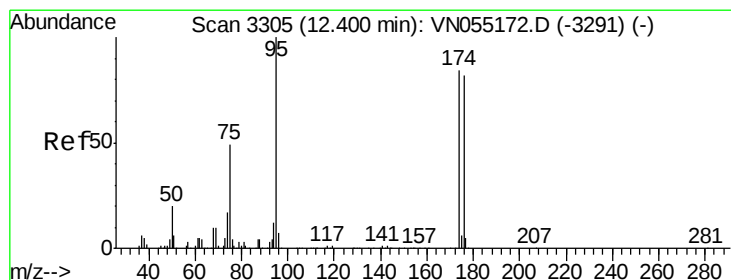
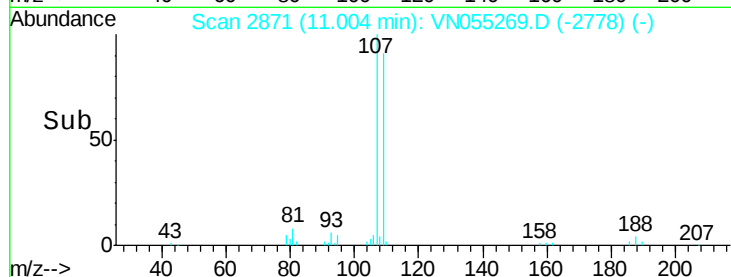
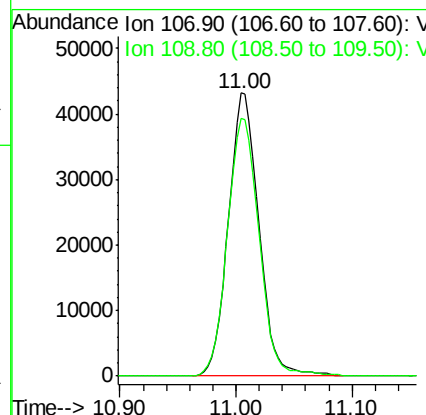
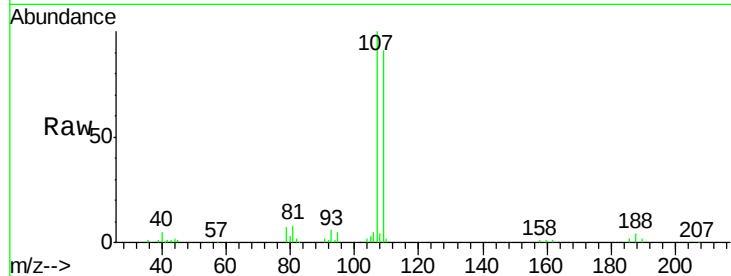




#61
 1,2-Dibromoethane
 Concen: 20.710 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

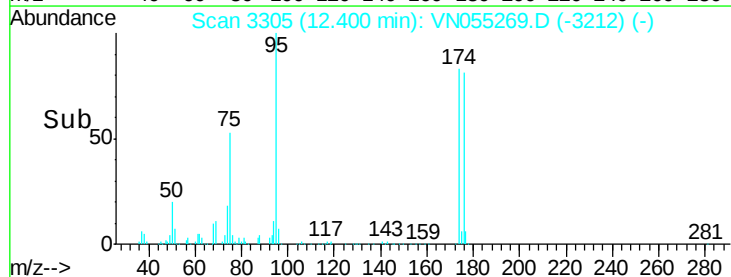
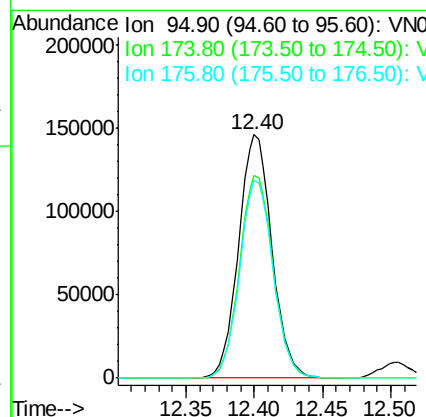
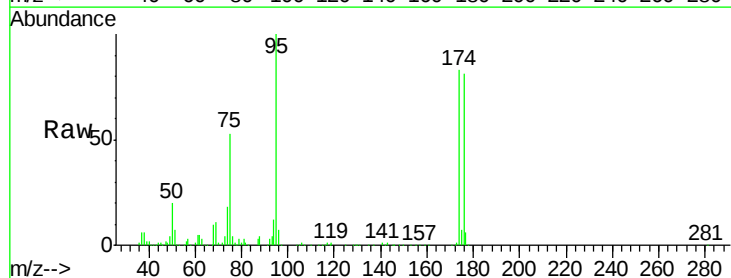
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

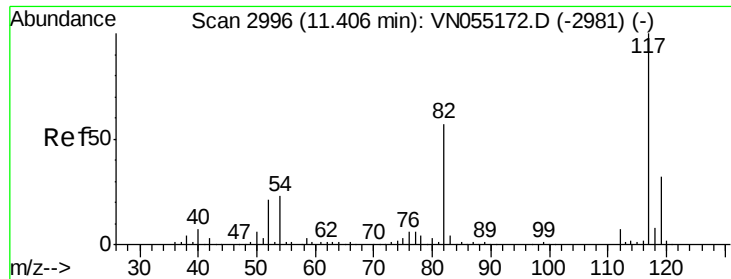
Tot Ion:107 Resp: 78526
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 47.694 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion: 95 Resp: 247590
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 168.4
 176 81.7 0.0 164.0

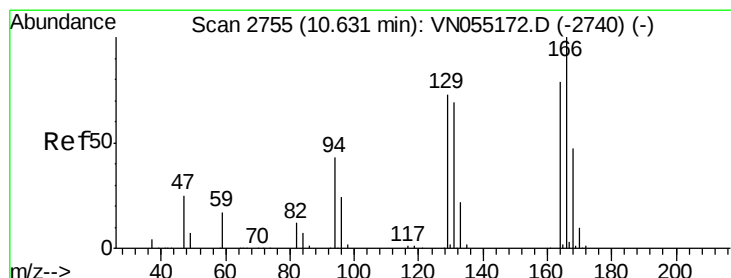
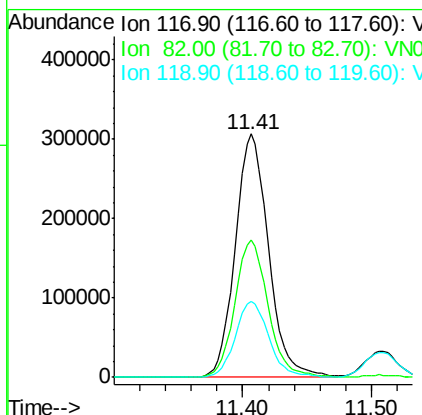
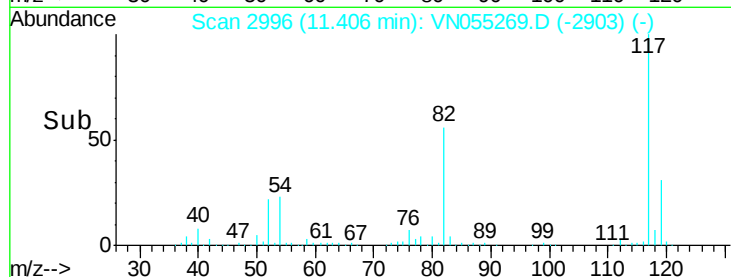
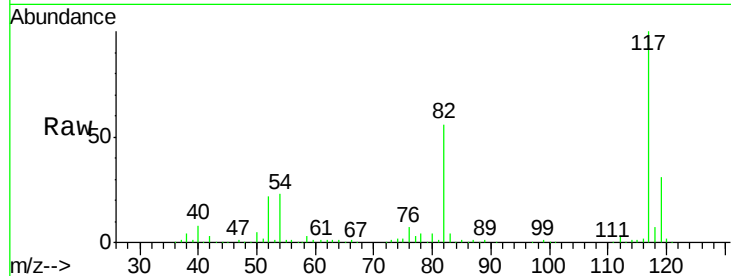




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

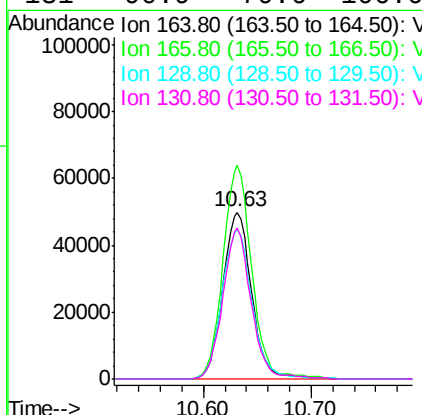
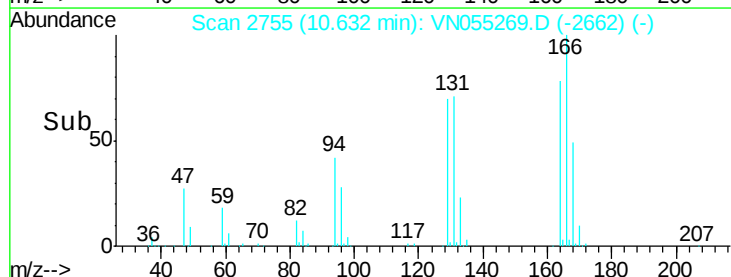
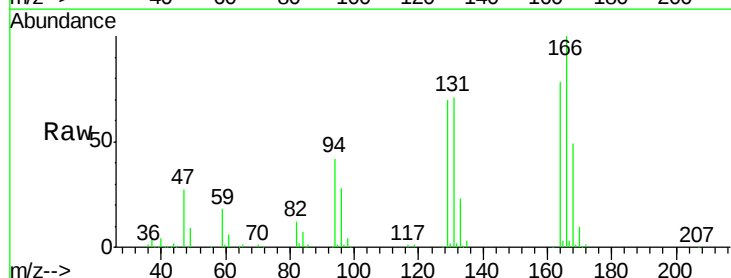
Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

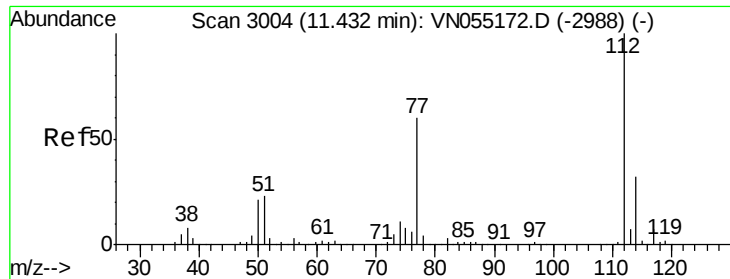
Tot Ion:117 Resp: 551008
Ion Ratio Lower Upper
117 100
82 56.4 45.7 68.5
119 31.2 25.4 38.2



#64
Tetrachloroethene
Concen: 20.635 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion:164 Resp: 92753
Ion Ratio Lower Upper
164 100
166 128.2 101.9 152.9
129 89.7 74.1 111.1
131 90.9 70.6 106.0

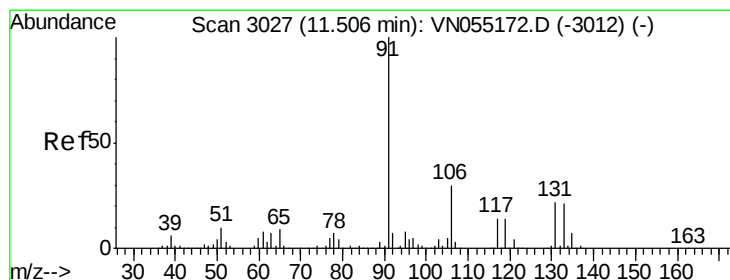
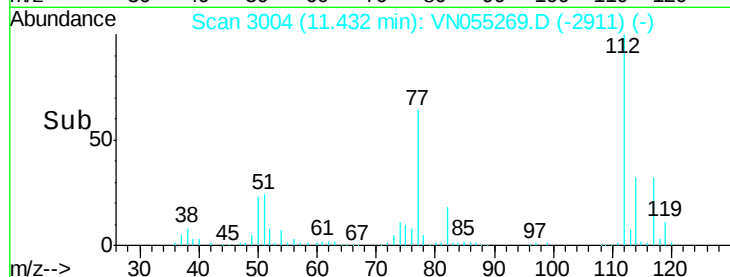
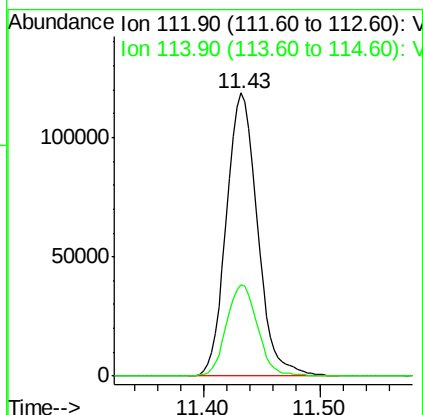
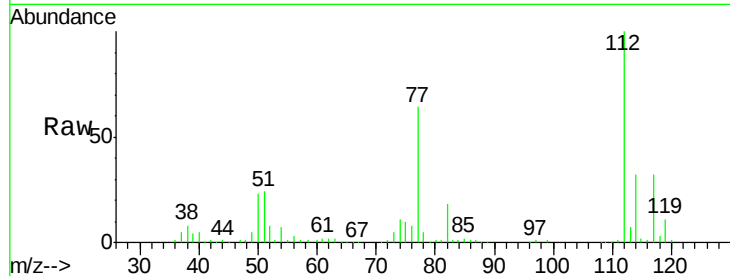




#65
Chlorobenzene
Concen: 19.597 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

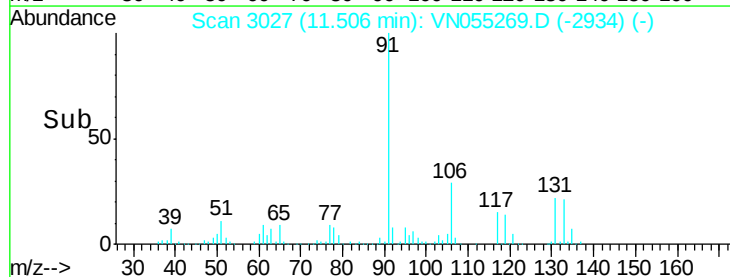
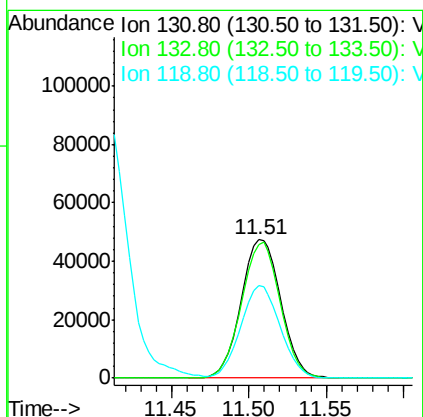
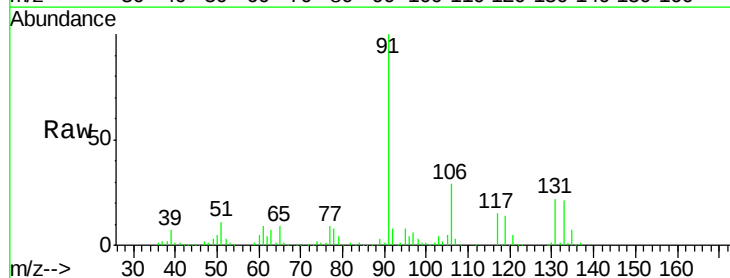
Instrument :
MSVOA_N
ClientSampled :
VN0427MBS01

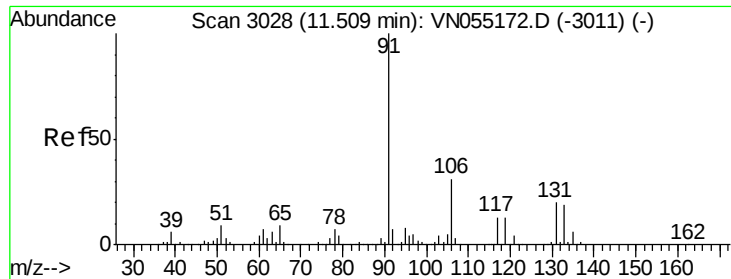
Tot Ion:112 Resp: 220406
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.433 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion:131 Resp: 85173
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 66.1 33.2 99.6

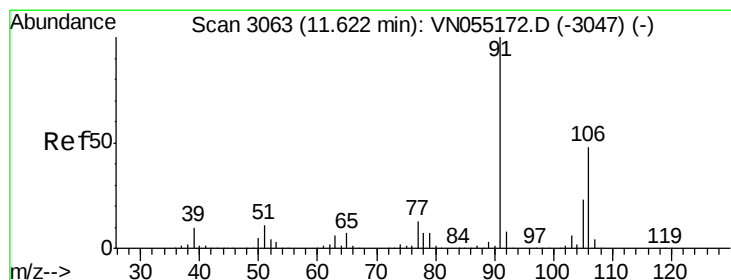
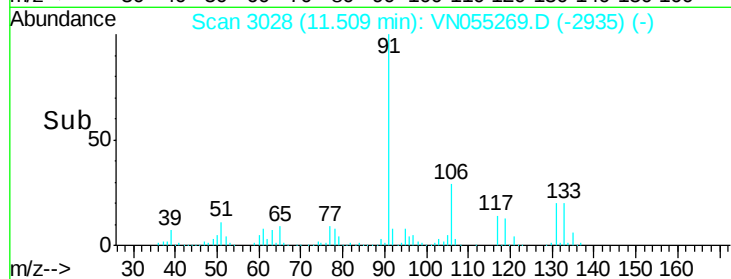
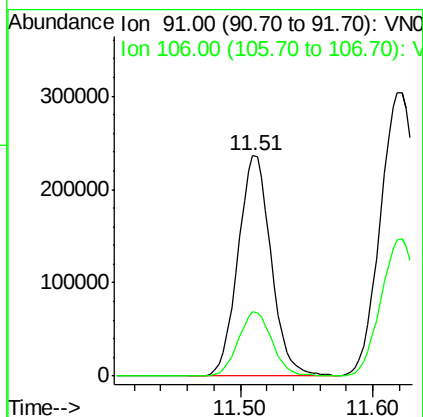
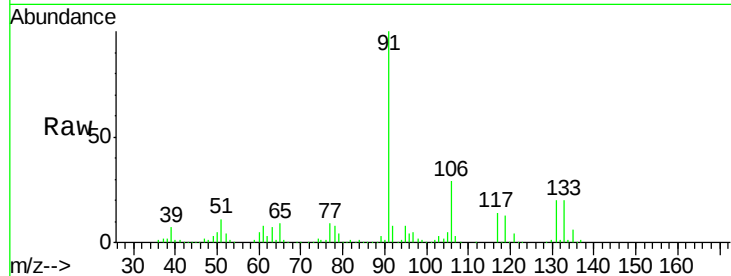




#67
Ethyl Benzene
Concen: 20.476 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

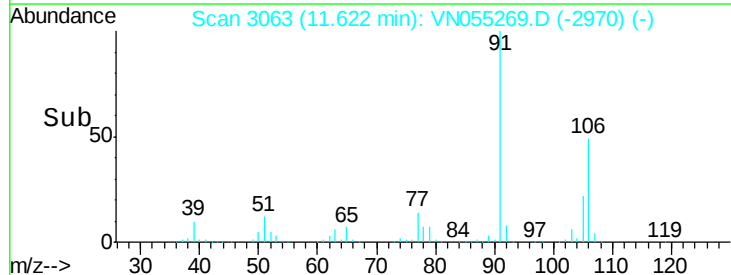
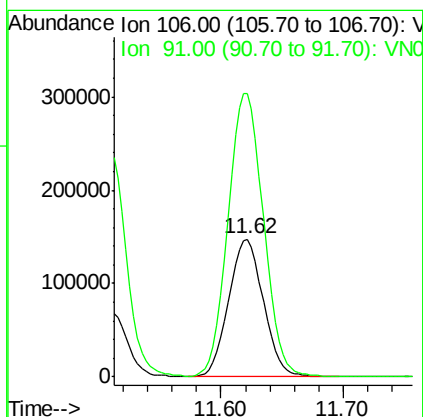
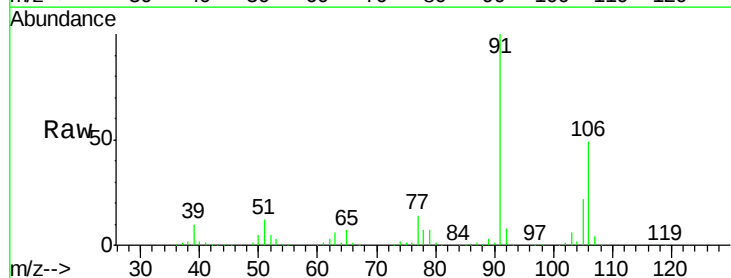
Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

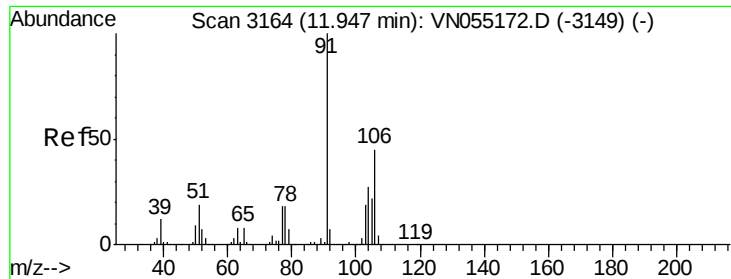
Tot Ion: 91 Resp: 410210
Ion Ratio Lower Upper
91 100
106 29.0 24.5 36.7



#68
m/p-Xylenes
Concen: 40.818 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 106 Resp: 293289
Ion Ratio Lower Upper
106 100
91 209.2 167.1 250.7

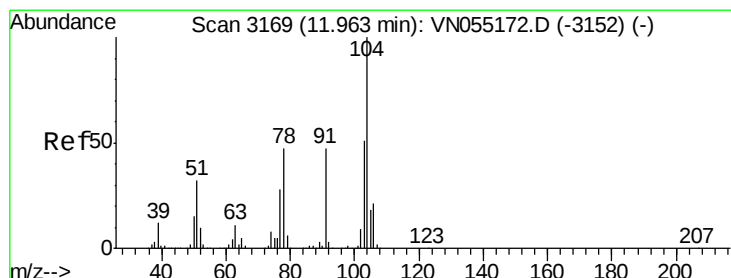
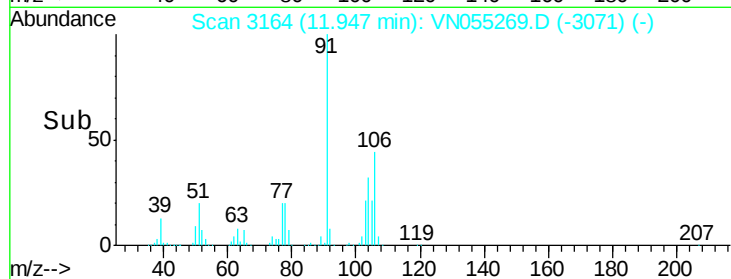
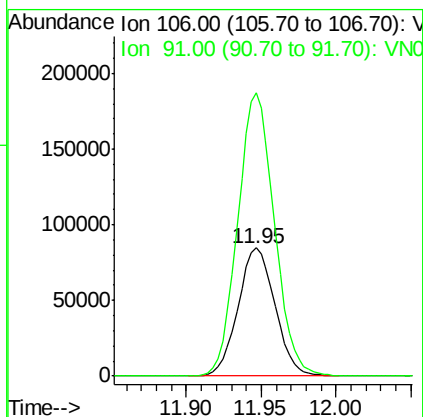
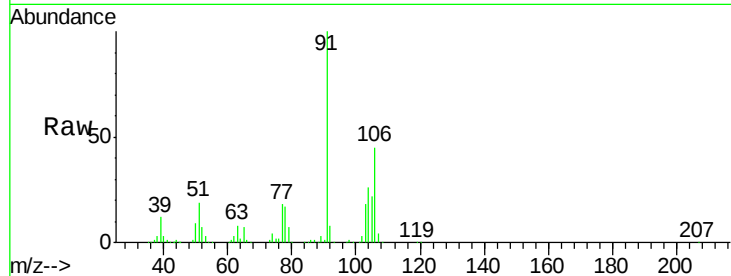




#69
o-Xylene
Concen: 20.462 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

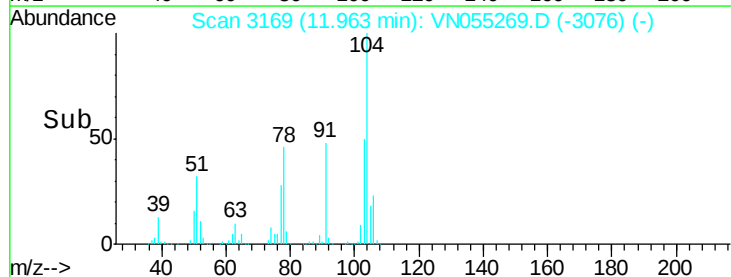
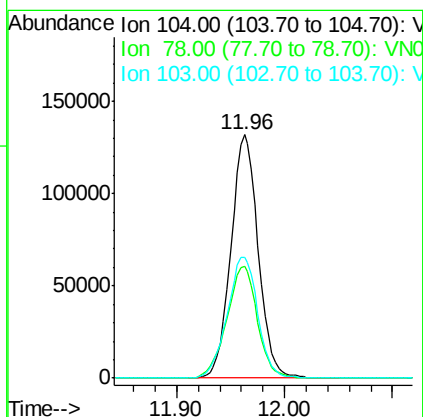
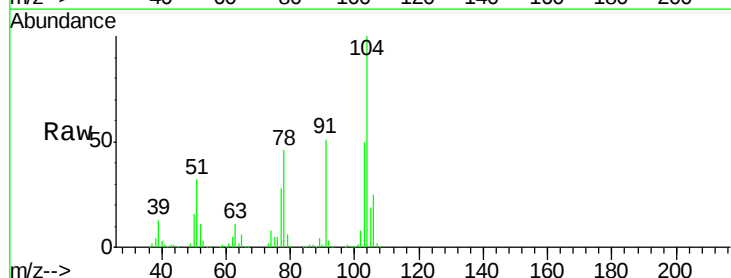
Instrument :
MSVOA_N
ClientSampled :
VN0427MBS01

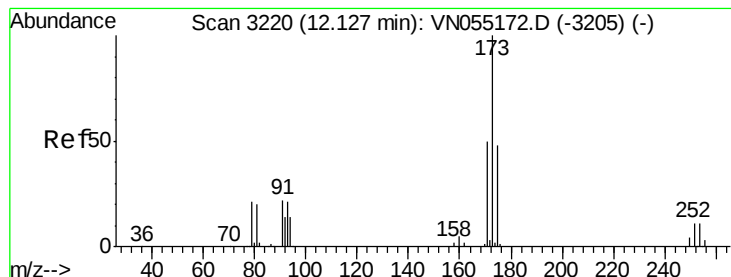
Tot Ion:106 Resp: 145909
Ion Ratio Lower Upper
106 100
91 218.5 110.6 331.8



#70
Styrene
Concen: 21.029 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion:104 Resp: 232435
Ion Ratio Lower Upper
104 100
78 51.5 41.3 61.9
103 55.7 44.2 66.4





#71

Bromoform

Concen: 19.995 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

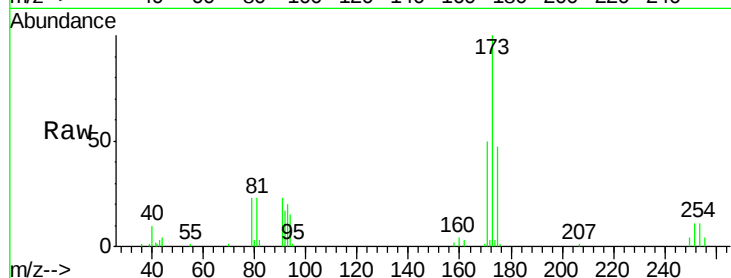
Tot Ion:173 Resp: 49737

Ion Ratio Lower Upper

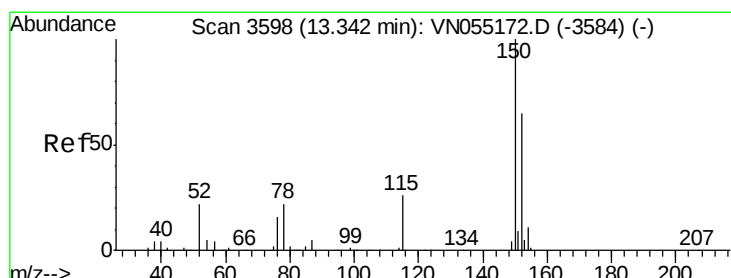
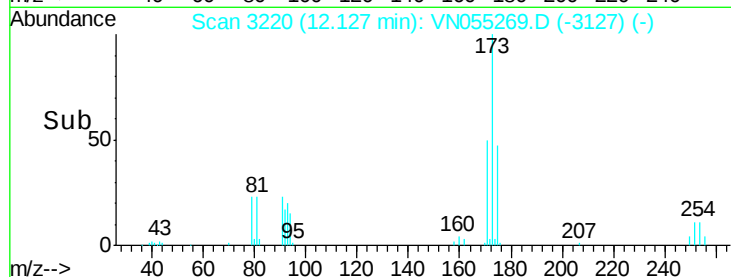
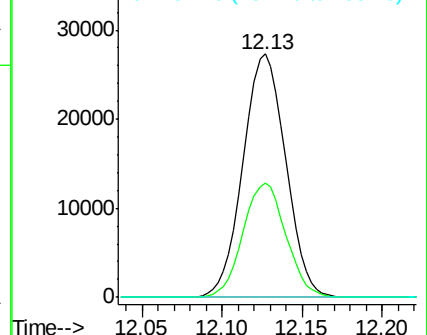
173 100

175 47.2 23.8 71.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

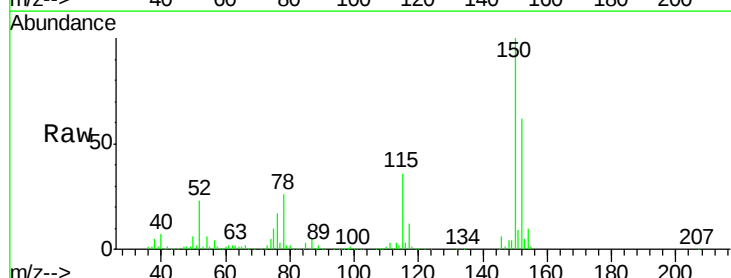
Tgt Ion:152 Resp: 199667

Ion Ratio Lower Upper

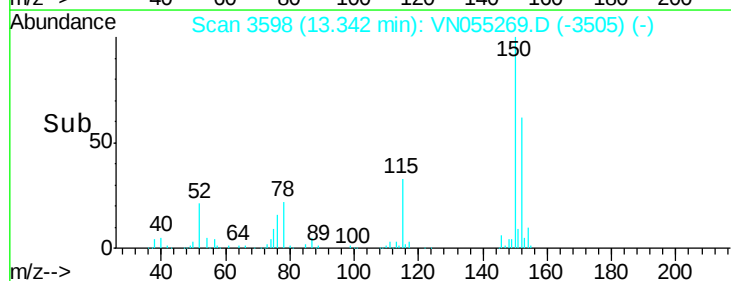
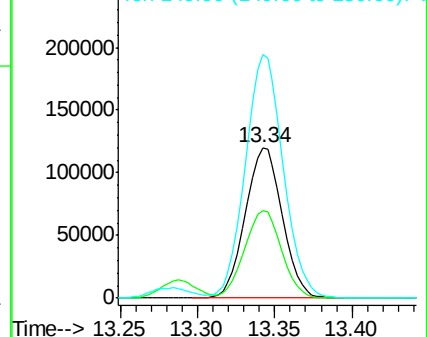
152 100

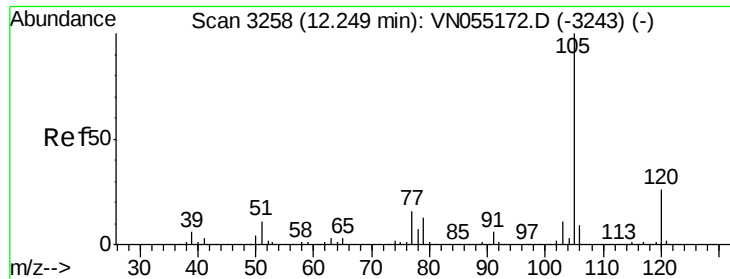
115 58.5 28.9 86.7

150 165.7 0.0 346.6



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





#73

Isopropylbenzene

Concen: 22.848 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

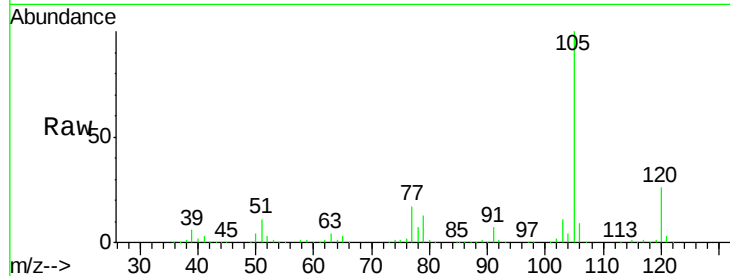
VN0427MBS01

Tot Ion:105 Resp: 386204

Ion Ratio Lower Upper

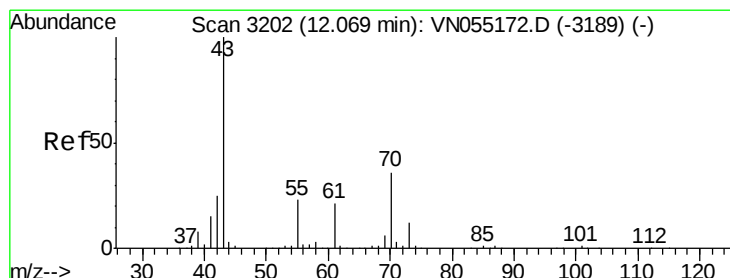
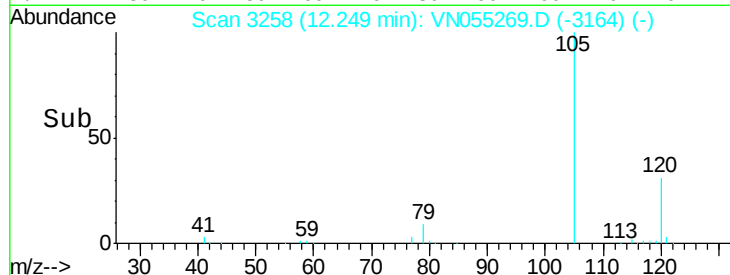
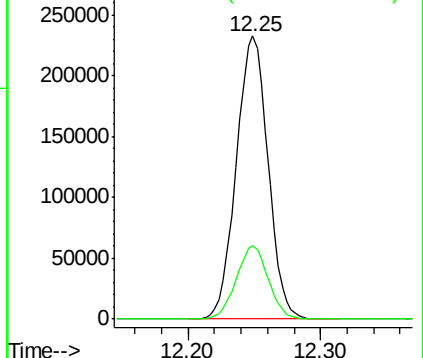
105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.588 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion: 43 Resp: 111130

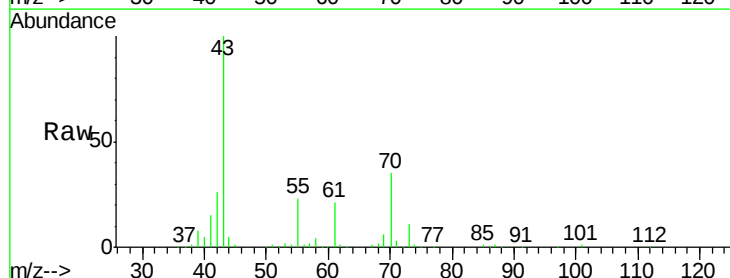
Ion Ratio Lower Upper

43 100

70 35.6 29.0 43.6

55 23.6 18.5 27.7

61 20.7 17.0 25.4

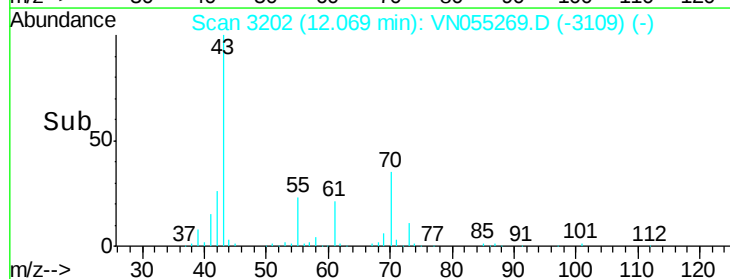
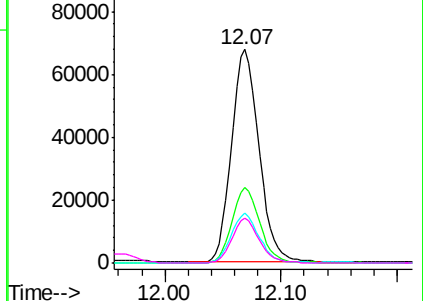


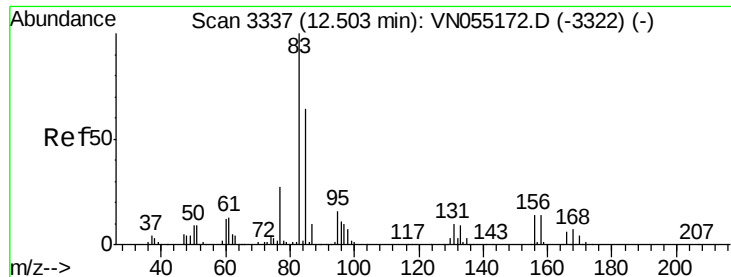
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.429 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

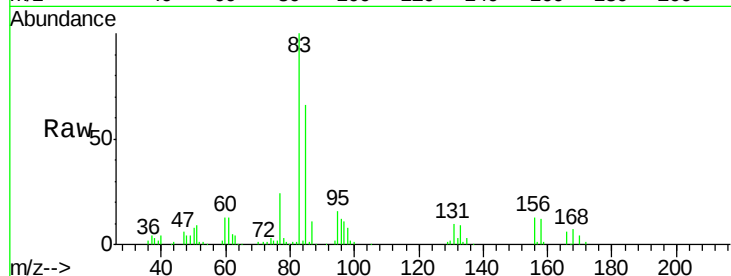
Tot Ion: 83 Resp: 100405

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

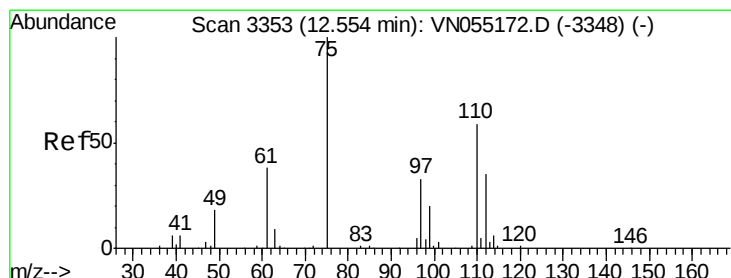
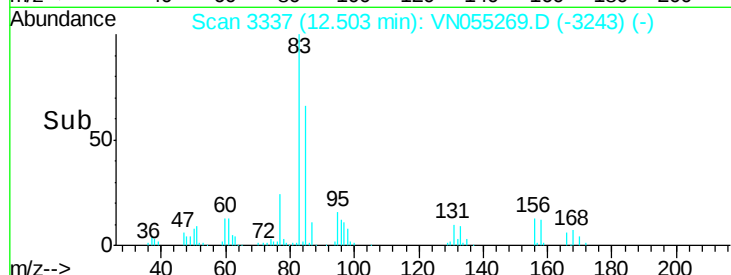
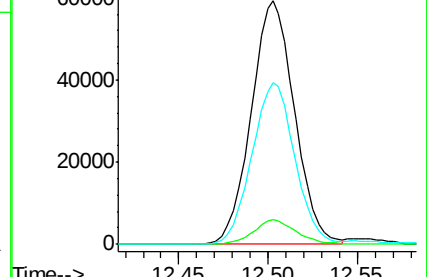
85 65.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.590 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055269.D

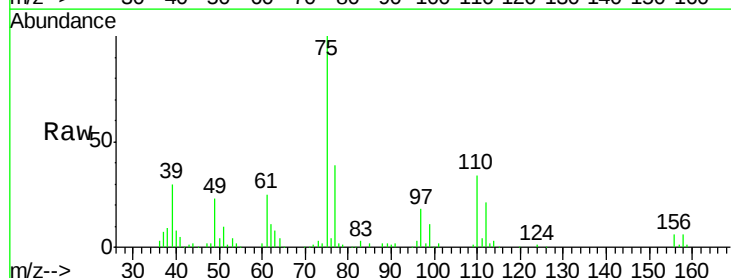
Acq: 26 Apr 2019 12:18

Tgt Ion: 75 Resp: 115809

Ion Ratio Lower Upper

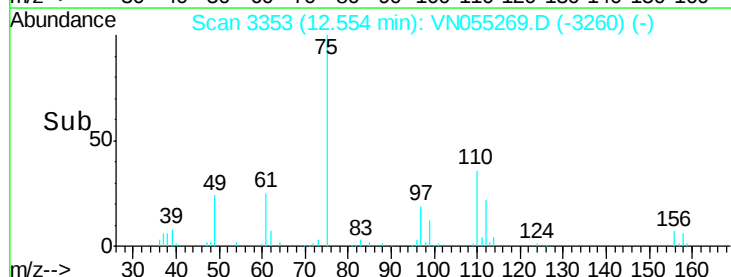
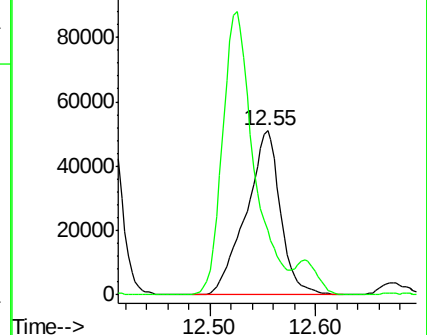
75 100

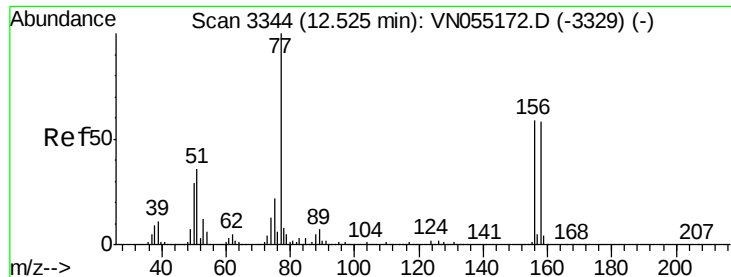
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.378 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

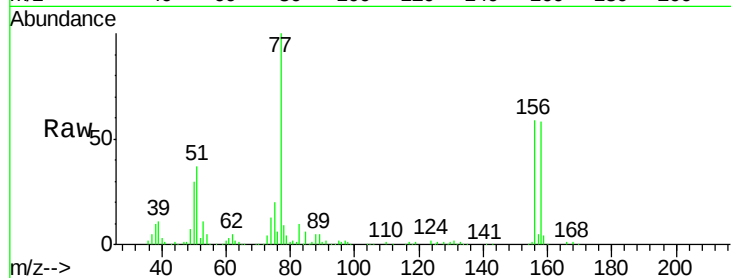
Tot Ion:156 Resp: 89826

Ion Ratio Lower Upper

156 100

77 204.1 98.0 293.9

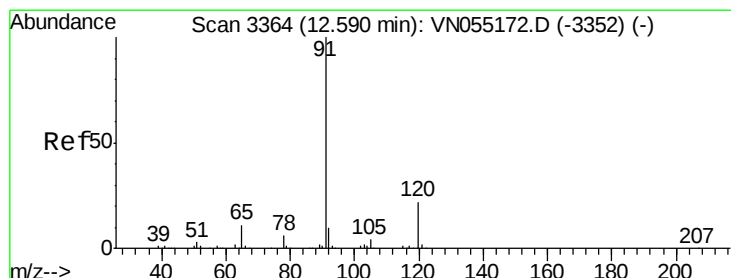
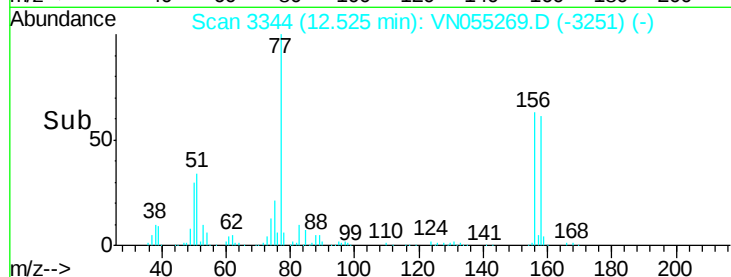
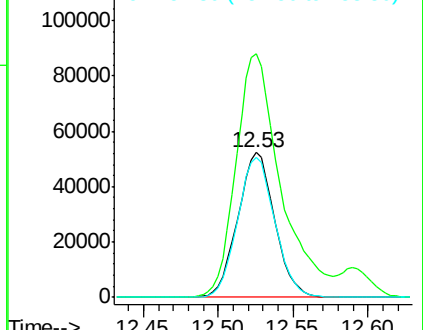
158 98.0 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.696 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055269.D

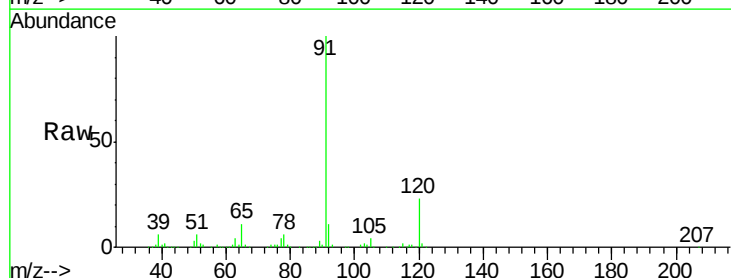
Acq: 26 Apr 2019 12:18

Tgt Ion: 91 Resp: 414416

Ion Ratio Lower Upper

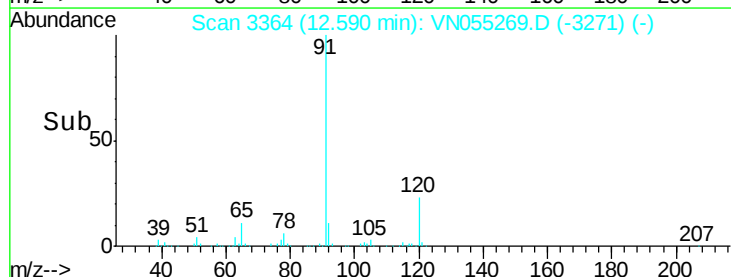
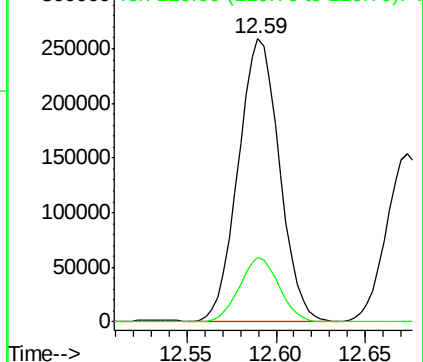
91 100

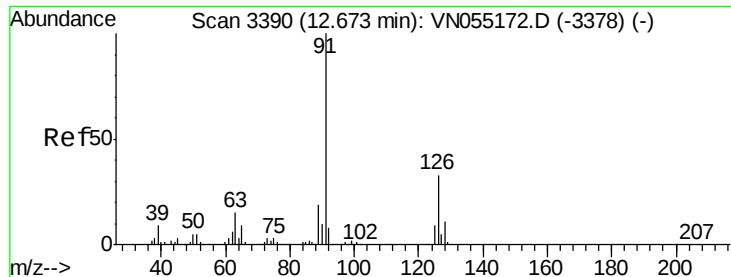
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

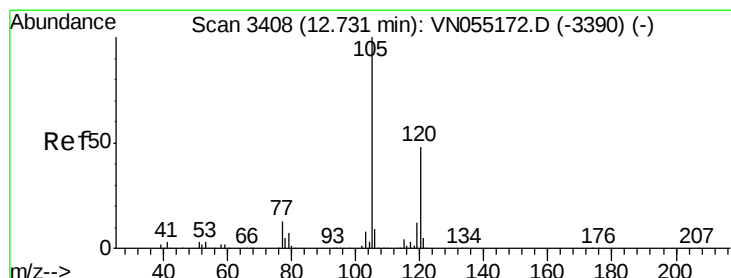
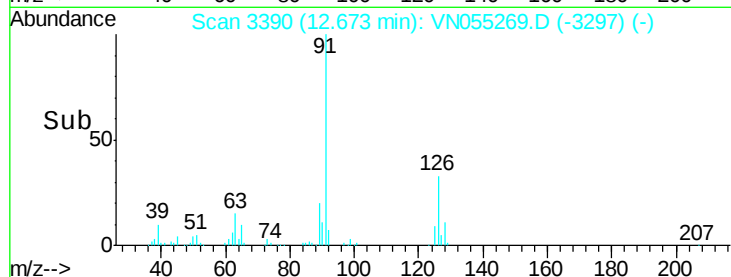
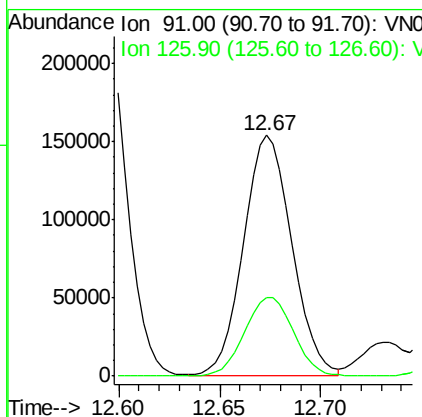
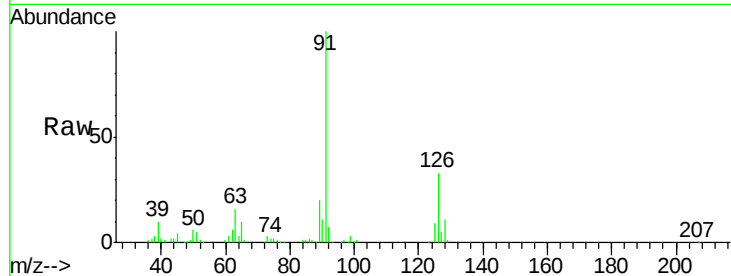




#79
 2-Chlorotoluene
 Concen: 20.334 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

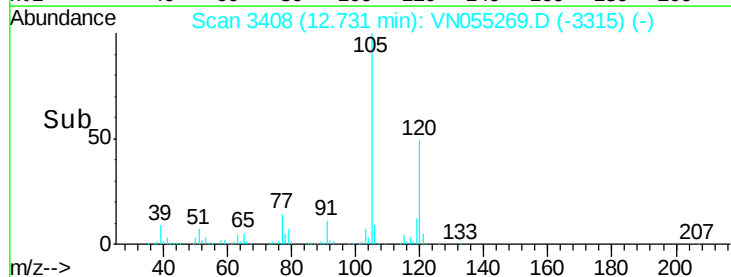
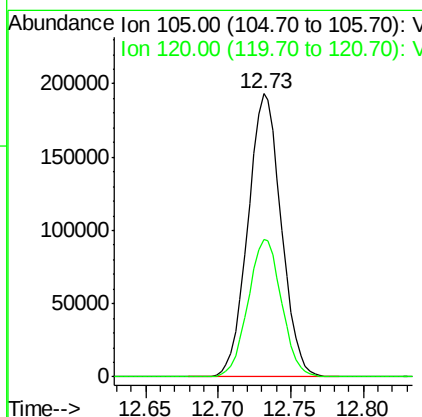
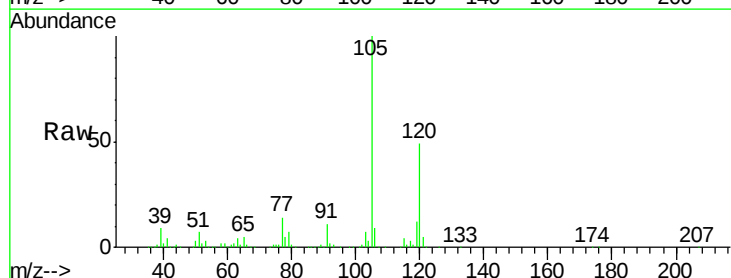
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

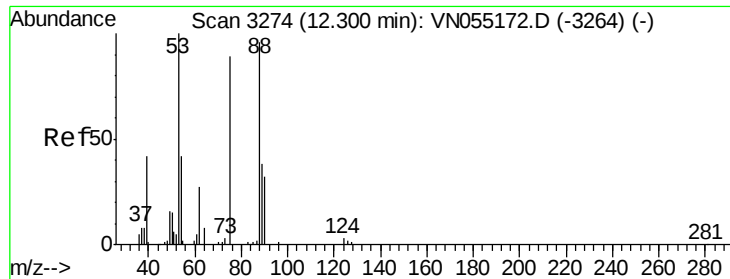
Tot Ion: 91 Resp: 257108
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.682 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion: 105 Resp: 309134
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.420 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

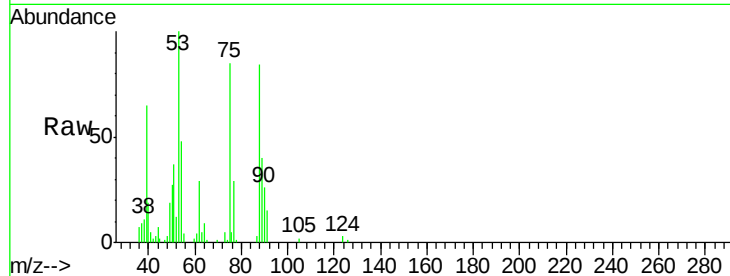
Tot Ion: 75 Resp: 21820

Ion	Ratio	Lower	Upper
75	100		
53	118.5	90.1	135.1
89	46.2	36.7	55.1

75 100

53 118.5 90.1 135.1

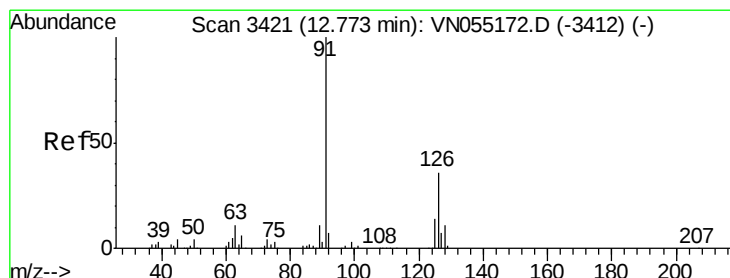
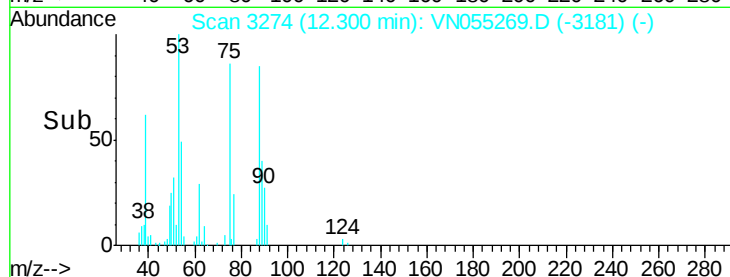
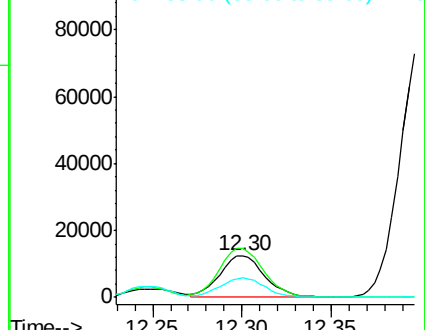
89 46.2 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.527 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055269.D

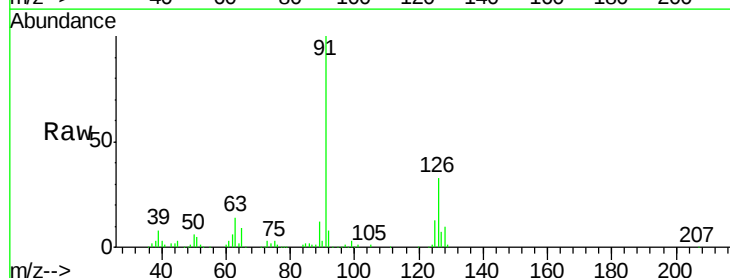
Acq: 26 Apr 2019 12:18

Tgt Ion: 91 Resp: 238793

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.5	49.5

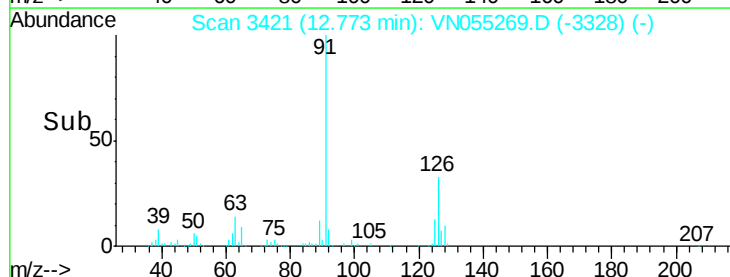
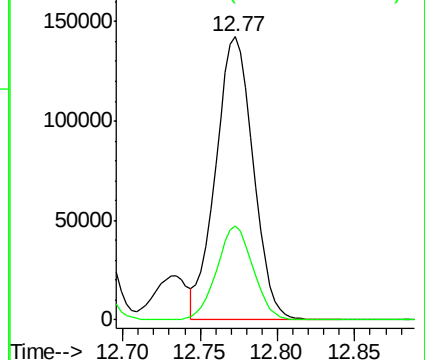
91 100

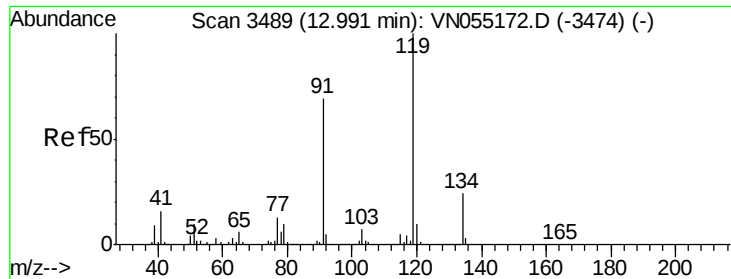
126 32.5 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

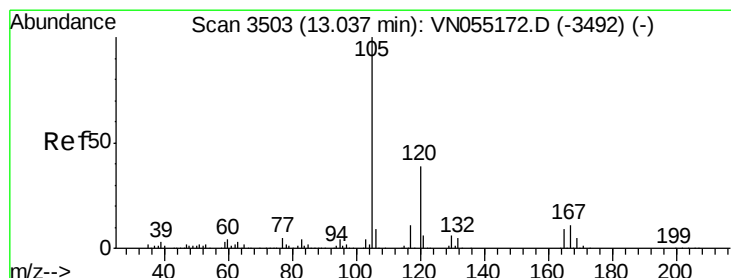
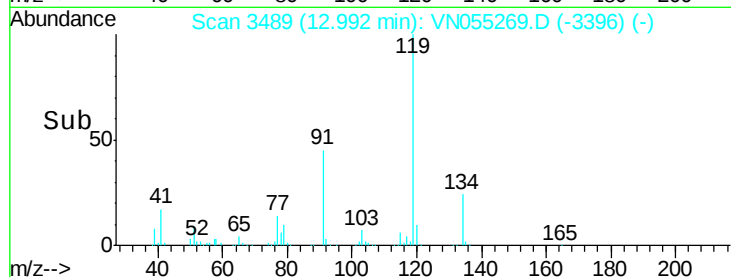
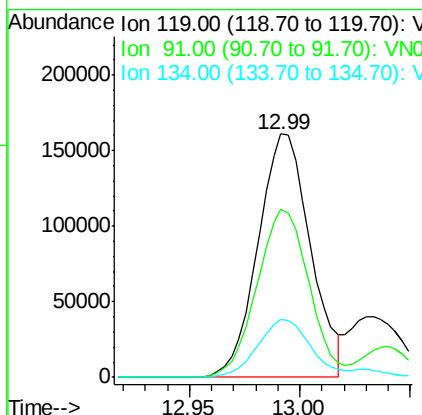
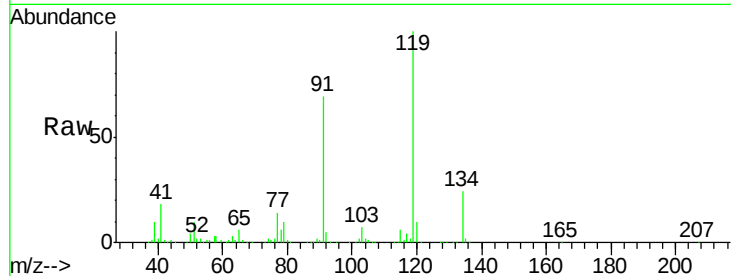




#83
 tert-Butylbenzene
 Concen: 22.368 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

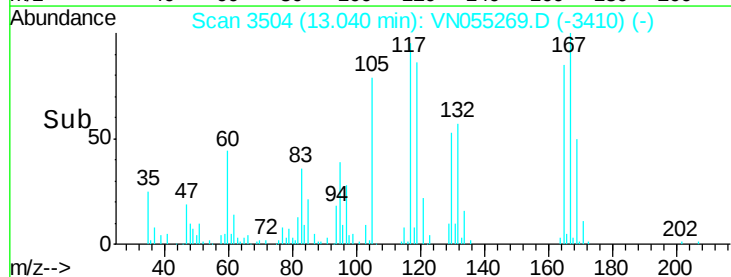
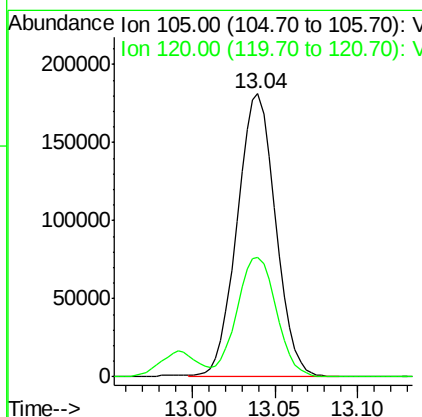
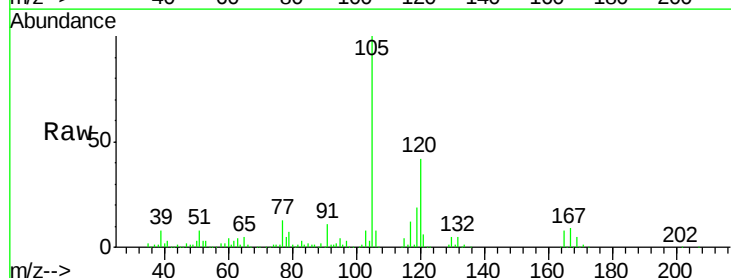
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

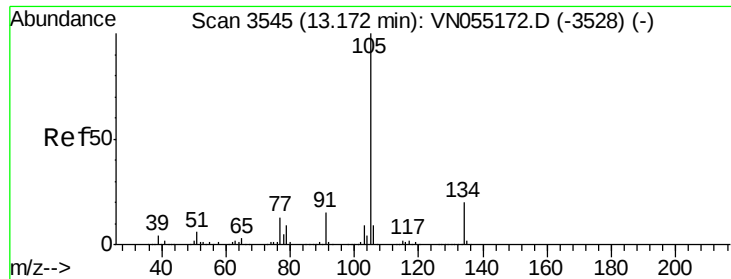
Tot Ion:119 Resp: 264876
 Ion Ratio Lower Upper
 119 100
 91 68.5 33.8 101.3
 134 24.3 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.670 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion:105 Resp: 291551
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.155 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

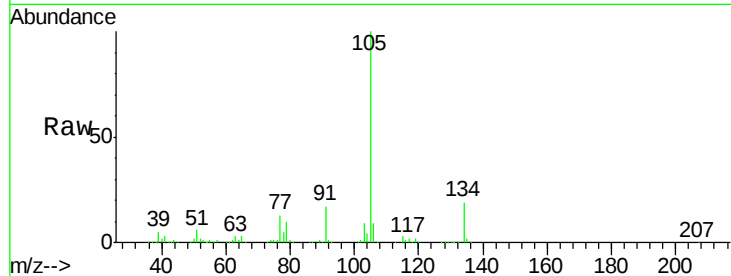
VN0427MBS01

Tot Ion:105 Resp: 340823

Ion Ratio Lower Upper

105 100

134 19.2 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

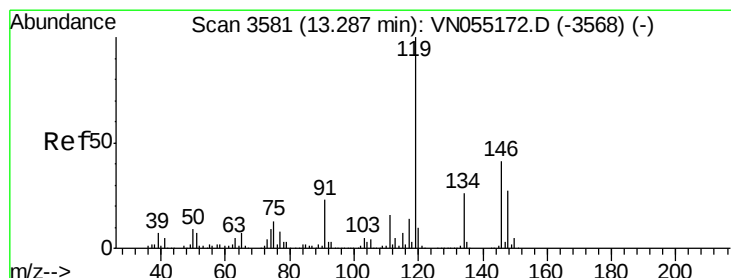
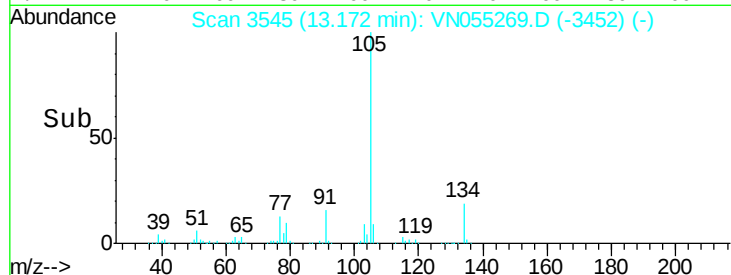
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.378 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

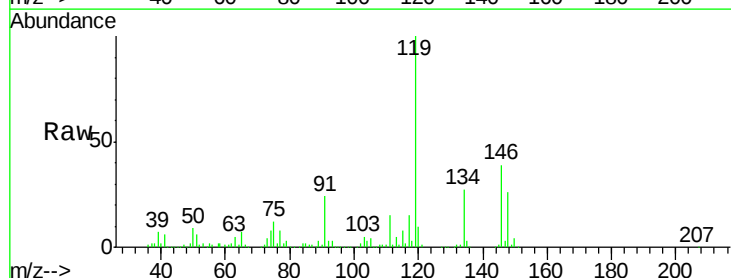
Tgt Ion:119 Resp: 283890

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 24.3 11.8 35.3



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

200000

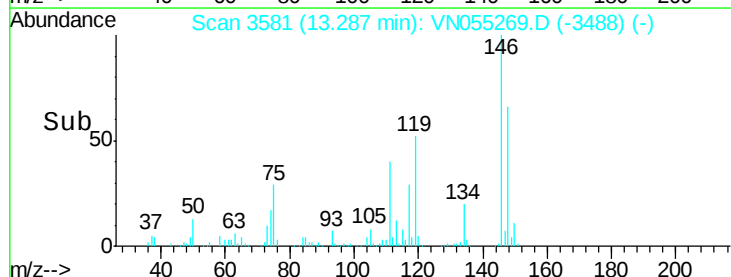
150000

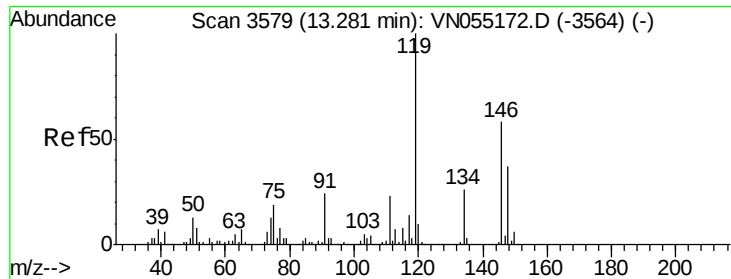
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

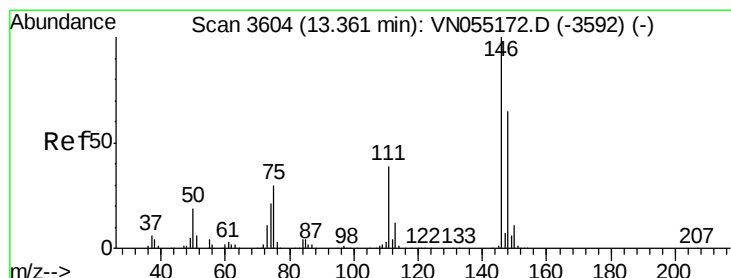
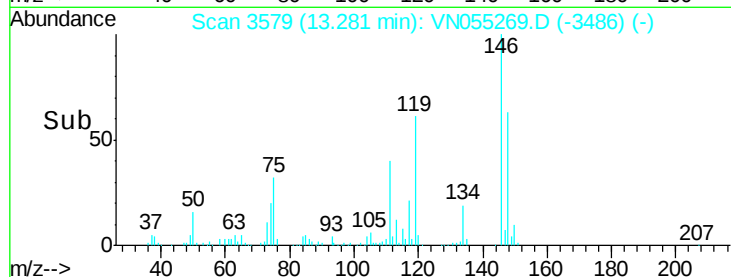
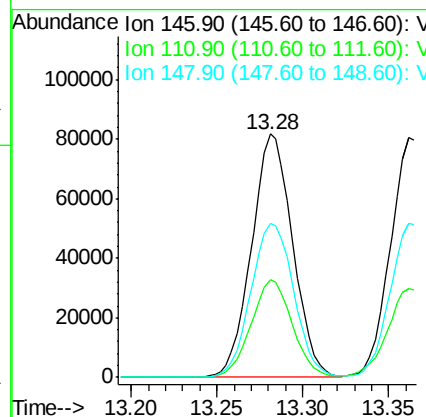
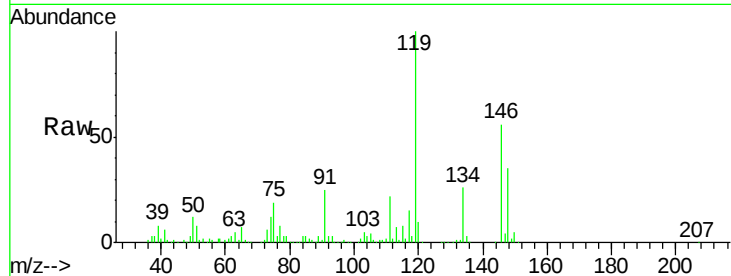




#87
 1,3-Dichlorobenzene
 Concen: 20.009 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

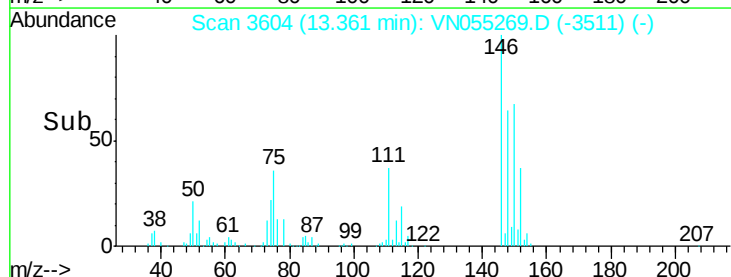
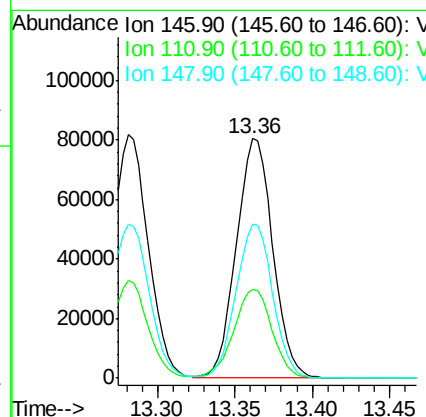
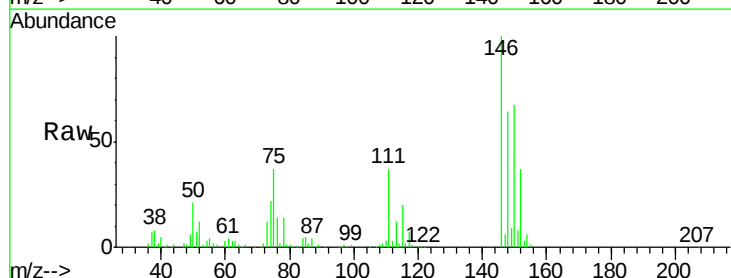
Instrument :
 MSVOA_N
 ClientSampled :
 VN0427MBS01

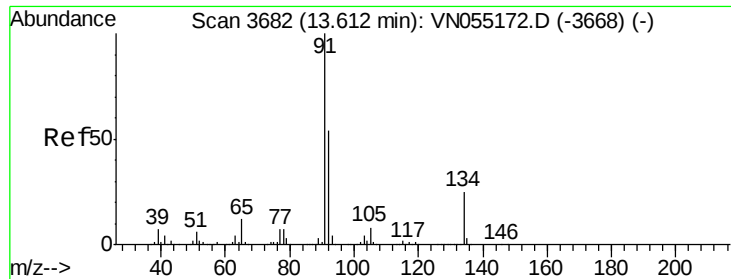
Tot Ion:146 Resp: 135391
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.7 59.1
 148 65.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.888 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion:146 Resp: 131022
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.4 58.2
 148 64.9 32.9 98.6





#89

n-Butylbenzene

Concen: 19.098 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

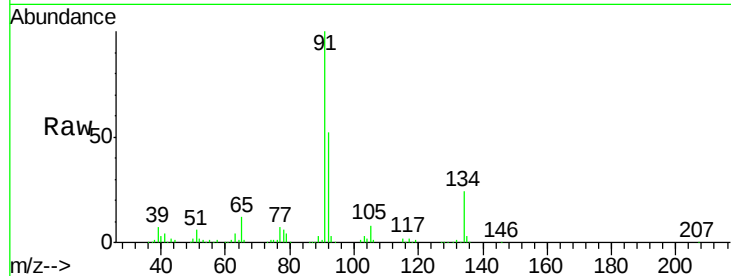
Tot Ion: 91 Resp: 197209

Ion Ratio Lower Upper

91 100

92 52.5 26.4 79.2

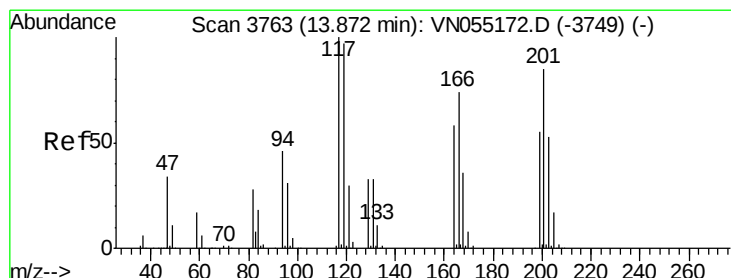
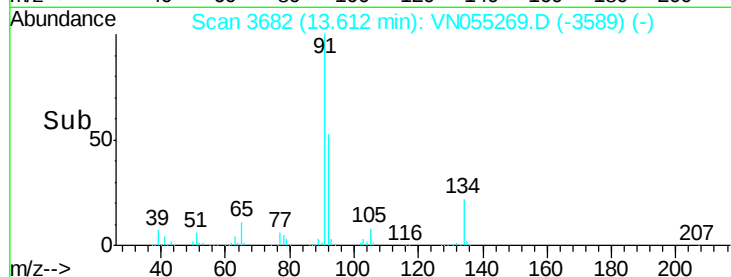
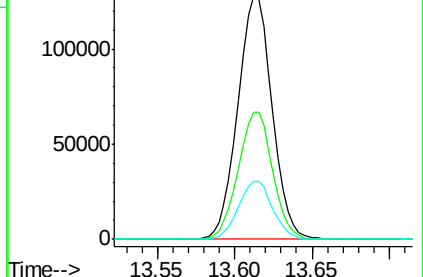
134 23.9 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN055269.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055269.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055269.D (-3682) (-)



#90

Hexachloroethane

Concen: 19.358 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055269.D

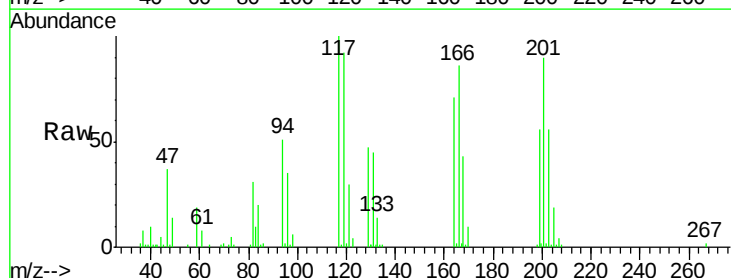
Acq: 26 Apr 2019 12:18

Tgt Ion: 117 Resp: 47828

Ion Ratio Lower Upper

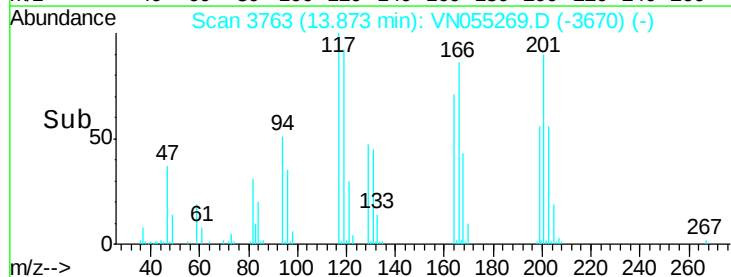
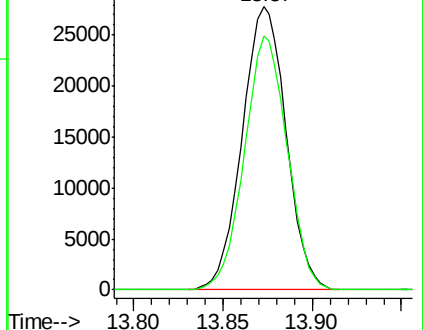
117 100

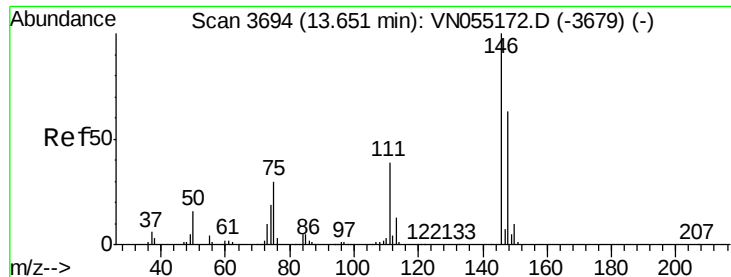
201 87.3 43.1 129.4



Abundance Ion 116.80 (116.50 to 117.50): VN055269.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055269.D (-3763) (-)





#91

1,2-Dichlorobenzene

Concen: 19.991 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0427MBS01

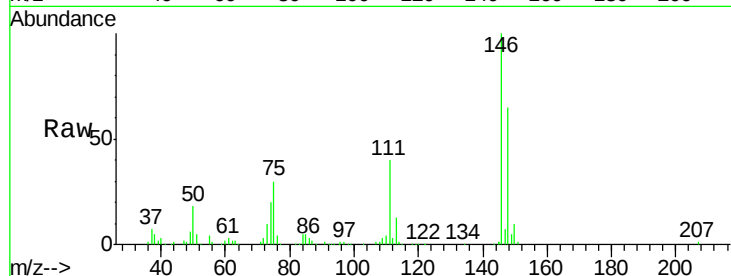
Tot Ion:146 Resp: 138938

Ion Ratio Lower Upper

146 100

111 39.8 19.8 59.3

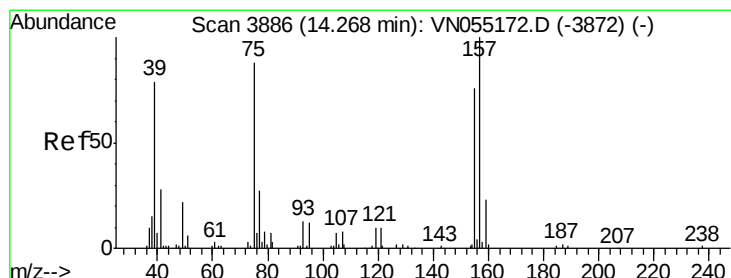
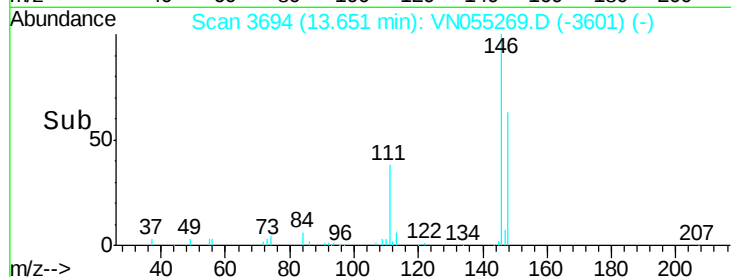
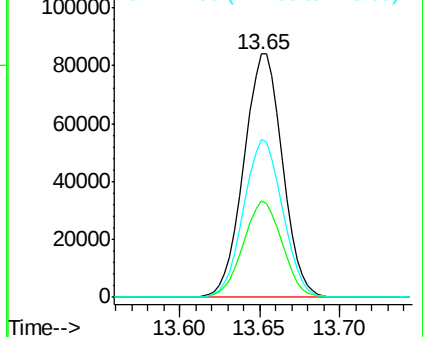
148 65.3 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.044 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

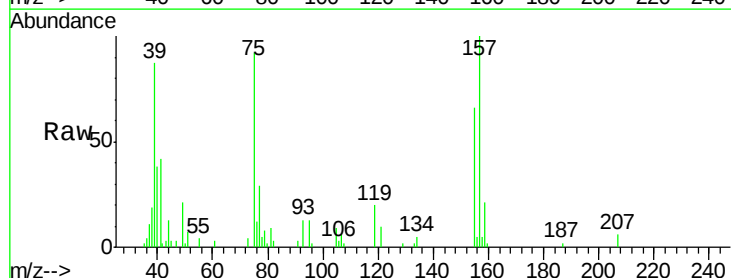
Tgt Ion: 75 Resp: 12759

Ion Ratio Lower Upper

75 100

155 77.9 43.0 129.0

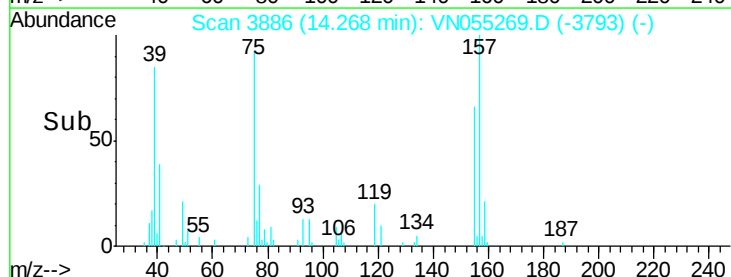
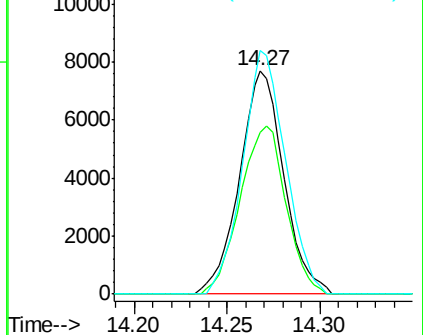
157 105.2 55.7 167.1

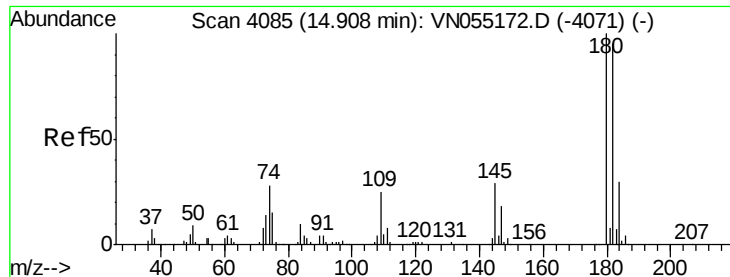


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

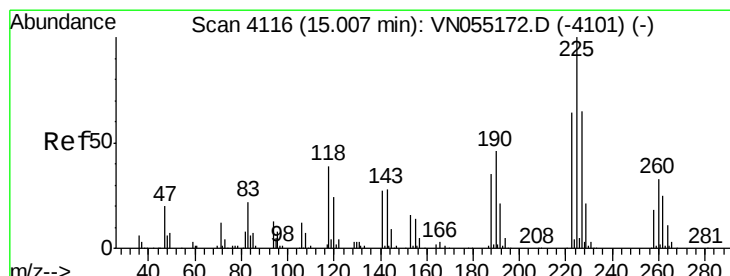
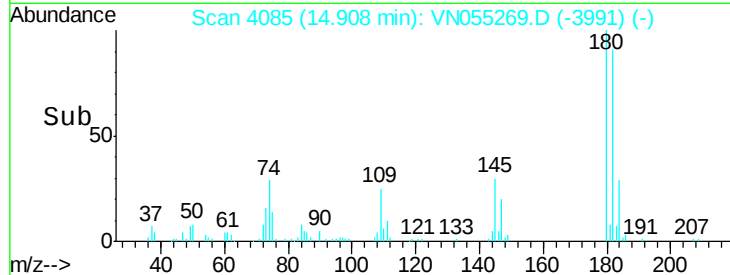
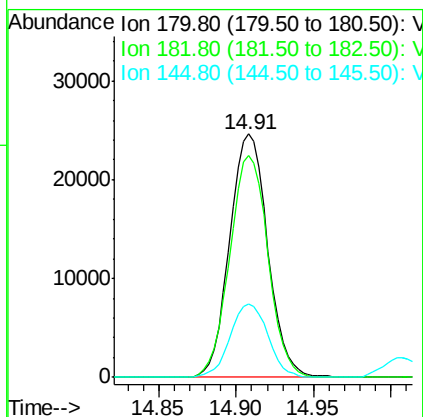
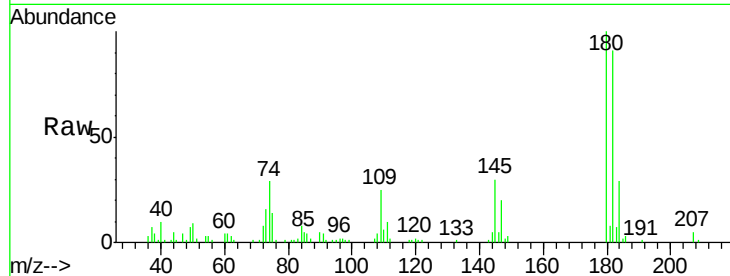




#93
 1,2,4-Trichlorobenzene
 Concen: 16.258 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

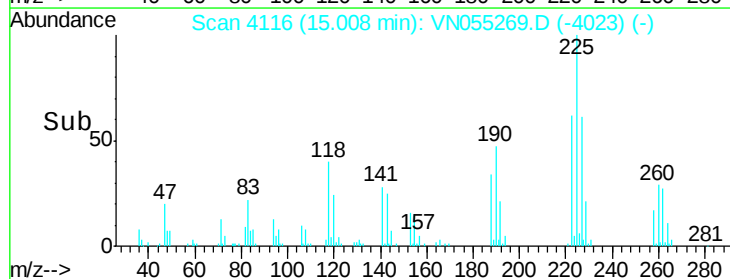
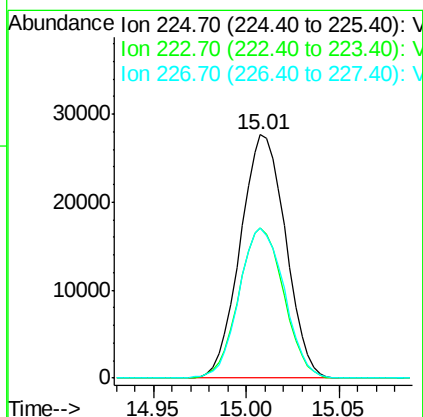
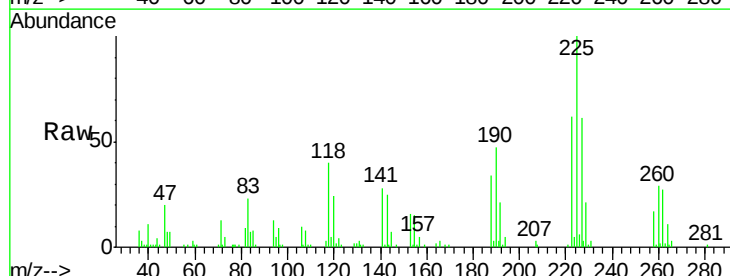
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

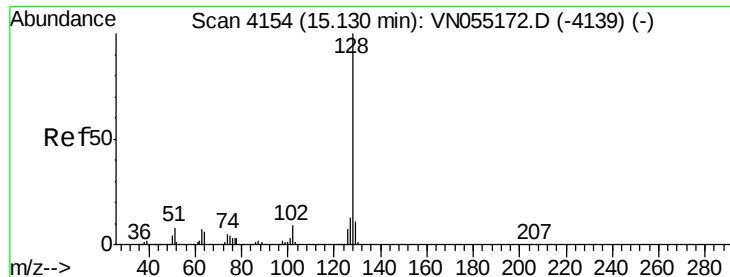
Tot Ion:180 Resp: 41999
 Ion Ratio Lower Upper
 180 100
 182 91.6 47.8 143.4
 145 30.0 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 21.988 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion:225 Resp: 47114
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.2 96.6
 227 61.5 32.6 98.0





#95

Naphthalene

Concen: 16.871 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

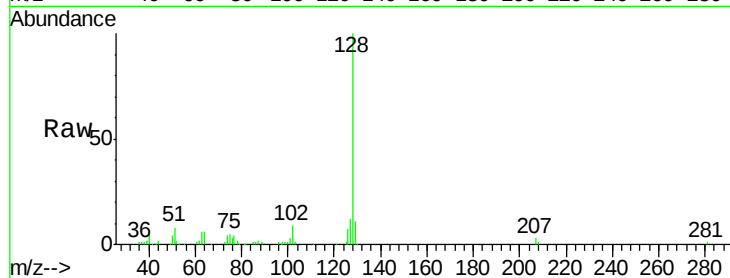
Tot Ion:128 Resp: 92822

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

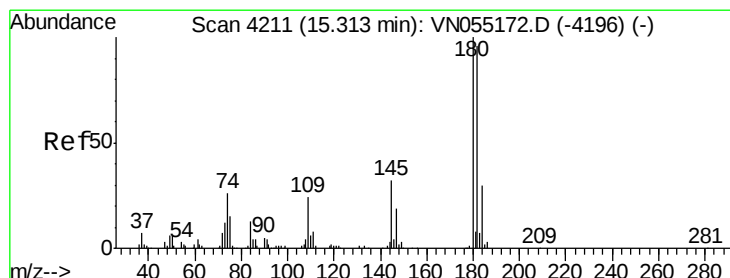
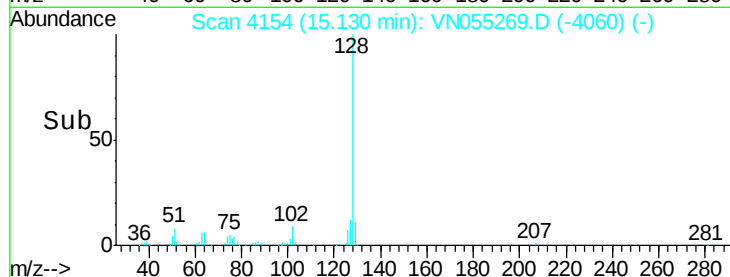
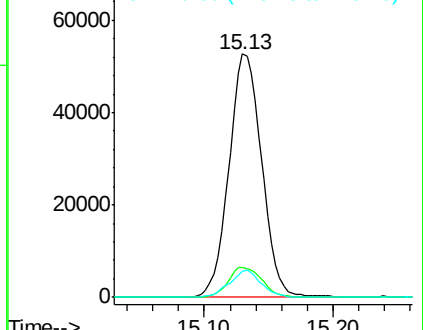
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.381 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

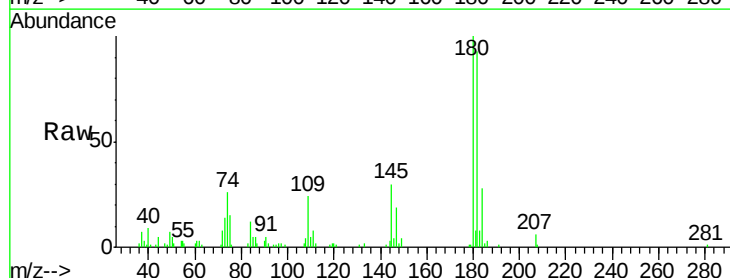
Tgt Ion:180 Resp: 46466

Ion Ratio Lower Upper

180 100

182 96.0 47.2 141.6

145 30.3 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

