

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050779.D
 Acq On : 21 Aug 2018 9:56
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 22 03:30:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	485737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	762253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	659840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	7346	1.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.52%	
35) Dibromofluoromethane	7.59	113	6097	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	
50) Toluene-d8	10.09	98	17443	0.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.54%	
62) 4-Bromofluorobenzene	12.40	95	5479	0.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	5118	0.787	ug/l	92
3) Chloromethane	2.06	50	8377	1.045	ug/l	97
4) Vinyl Chloride	2.19	62	7255	0.955	ug/l	95
5) Bromomethane	2.57	94	6604	1.351	ug/l	90
6) Chloroethane	2.71	64	4572	1.042	ug/l	92
7) Trichlorofluoromethane	3.02	101	9561	0.983	ug/l	97
8) Diethyl Ether	3.41	74	2951	0.892	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	5871	0.966	ug/l	96
10) Methyl Iodide	3.95	142	1633	0.339	ug/l #	44
11) Tert butyl alcohol	4.79	59	221	0.594	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	5009	0.918	ug/l	81
13) Acrolein	3.61	56	1003	4.931	ug/l #	82
14) Allyl chloride	4.33	41	7168	0.843	ug/l #	92
15) Acrylonitrile	5.00	53	6775	3.580	ug/l #	83
16) Acetone	3.82	43	9965	6.180	ug/l	99
17) Carbon Disulfide	4.06	76	16749	0.916	ug/l	95
18) Methyl Acetate	4.33	43	8613	1.549	ug/l	92
19) Methyl tert-butyl Ether	5.05	73	10978	0.800	ug/l	95
20) Methylene Chloride	4.56	84	7414	1.125	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	4014	0.683	ug/l	94
22) Diisopropyl ether	5.95	45	12548	0.741	ug/l #	81
23) Vinyl Acetate	5.90	43	38828	3.559	ug/l	99
24) 1,1-Dichloroethane	5.86	63	10473	0.963	ug/l #	88
25) 2-Butanone	6.84	43	11865	5.035	ug/l	94
26) 2,2-Dichloropropane	6.83	77	8643	0.989	ug/l #	56
27) cis-1,2-Dichloroethene	6.83	96	5289	0.831	ug/l	61
28) Bromochloromethane	7.20	49	4290	0.928	ug/l #	99
29) Tetrahydrofuran	7.22	42	5520	4.086	ug/l #	61
30) Chloroform	7.38	83	10457	0.971	ug/l	97
31) Cyclohexane	7.66	56	15778	1.460	ug/l #	23
32) 1,1,1-Trichloroethane	7.57	97	8775	0.949	ug/l #	50
36) 1,1-Dichloropropene	7.79	75	6758	0.751	ug/l	97
37) Ethyl Acetate	6.93	43	3558	0.719	ug/l #	79
38) Carbon Tetrachloride	7.78	117	8174	0.899	ug/l #	82

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC0

Quant Time: Aug 22 03:30:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	6933	0.712	ug/l	91
40) Benzene	8.04	78	21681	0.799	ug/l	94
41) Methacrylonitrile	7.18	41	1477	0.564	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	7209	0.889	ug/l	89
43) Isopropyl Acetate	8.16	43	6155	0.693	ug/l	97
44) Trichloroethene	8.84	130	6355	0.888	ug/l	93
45) 1,2-Dichloropropane	9.12	63	5794	0.813	ug/l	91
46) Dibromomethane	9.21	93	3463	0.827	ug/l	99
47) Bromodichloromethane	9.41	83	7822	0.892	ug/l	98
48) Methyl methacrylate	9.20	41	3134	0.692	ug/l	92
49) 1,4-Dioxane	9.20	88	996	16.137	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	20839	3.931	ug/l	90
52) Toluene	10.16	92	11687	0.727	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	5845	0.669	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	7137	0.714	ug/l #	92
55) 1,1,2-Trichloroethane	10.56	97	5166	0.866	ug/l	94
56) Ethyl methacrylate	10.43	69	3858	0.570	ug/l	96
57) 1,3-Dichloropropane	10.71	76	7318	0.743	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.70	63	6797	2.353	ug/l	95
59) 2-Hexanone	10.75	43	13924	3.945	ug/l	85
60) Dibromochloromethane	10.90	129	6096	0.913	ug/l	89
61) 1,2-Dibromoethane	11.01	107	4453	0.772	ug/l	97
64) Tetrachloroethene	10.63	164	5572	0.889	ug/l	96
65) Chlorobenzene	11.43	112	15132	0.877	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	5684	0.901	ug/l #	62
67) Ethyl Benzene	11.51	91	19104	0.681	ug/l	96
68) m/p-Xylenes	11.62	106	14550	1.367	ug/l	93
69) o-Xylene	11.95	106	6532	0.638	ug/l	94
70) Styrene	11.96	104	8754	0.547	ug/l	90
71) Bromoform	12.13	173	3252	0.749	ug/l #	97
73) Isopropylbenzene	12.25	105	15852	0.802	ug/l	100
74) N-amyl acetate	12.08	43	3693	0.743	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.51	83	5524	1.037	ug/l	94
76) 1,2,3-Trichloropropane	12.56	75	5992	1.480	ug/l #	100
77) Bromobenzene	12.53	156	5160	0.960	ug/l	95
78) n-propylbenzene	12.59	91	17198	0.778	ug/l	95
79) 2-Chlorotoluene	12.67	91	11285	0.820	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	10968	0.687	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	767	0.620	ug/l #	78
82) 4-Chlorotoluene	12.77	91	9995	0.736	ug/l	94
83) tert-Butylbenzene	12.99	119	11082	0.802	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	10663	0.664	ug/l	96
85) sec-Butylbenzene	13.17	105	13258	0.732	ug/l	96
86) p-Isopropyltoluene	13.29	119	10414	0.675	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	7974	0.874	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	7974	0.888	ug/l	99
89) n-Butylbenzene	13.62	91	8188	0.663	ug/l	93
90) Hexachloroethane	13.87	117	3529	1.105	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	7080	0.805	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.26	75	770	1.084	ug/l	70

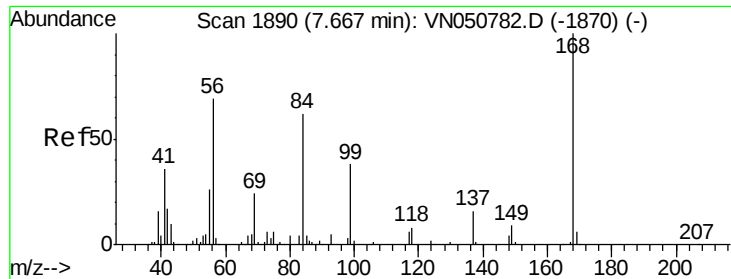
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
Data File : VN050779.D
Acq On : 21 Aug 2018 9:56
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1943	0.507	ug/l	89
94) Hexachlorobutadiene	15.01	225	2871	1.001	ug/l	96
95) Naphthalene	15.14	128	3295	0.436	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	2405	0.645	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

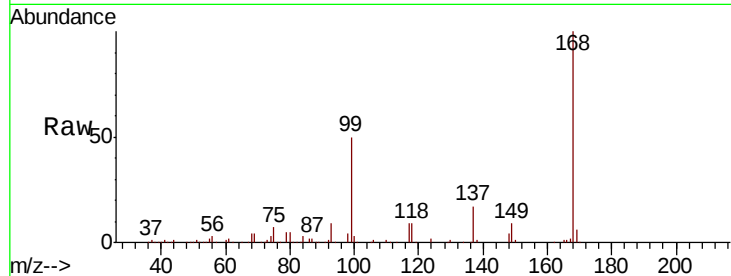
VSTDICC

Tot Ion:168 Resp: 485737

Ion Ratio Lower Upper

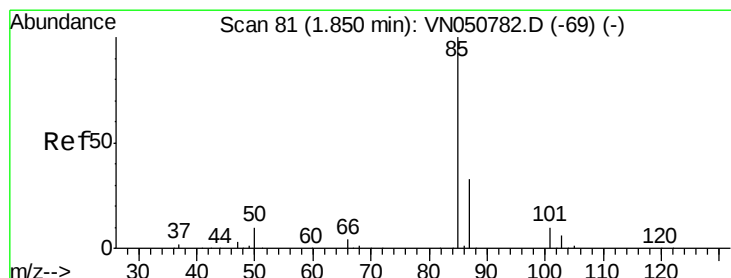
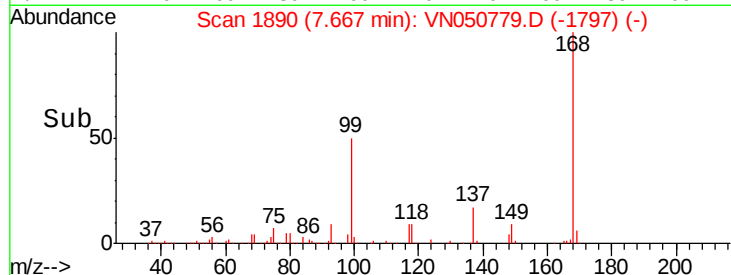
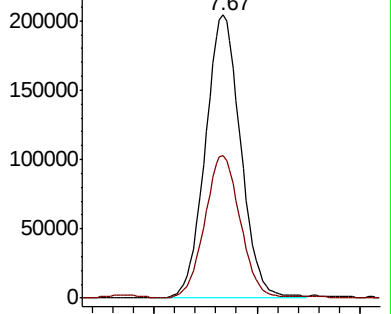
168 100

99 50.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.787 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050779.D

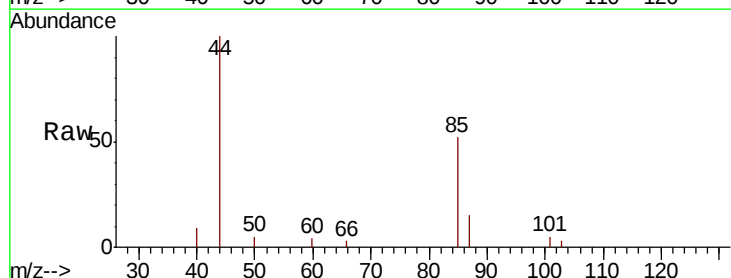
Acq: 21 Aug 2018 9:56

Tgt Ion: 85 Resp: 5118

Ion Ratio Lower Upper

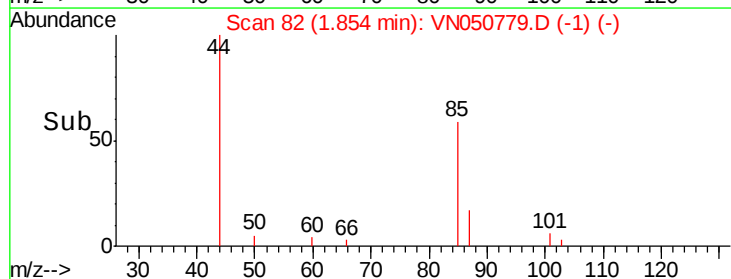
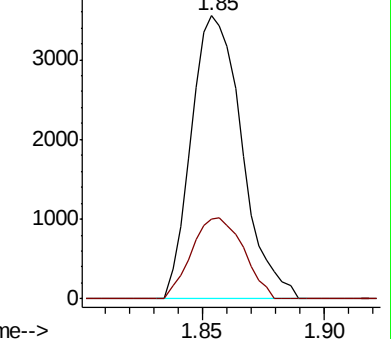
85 100

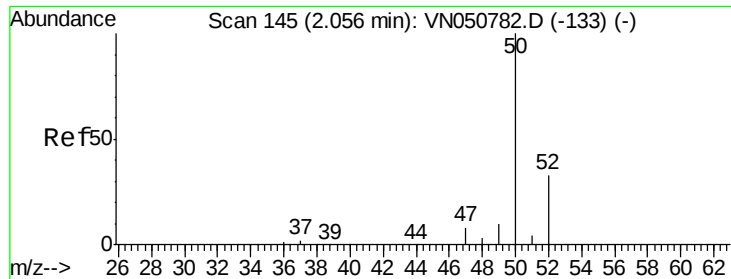
87 28.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 1.045 ug/l

RT: 2.06 min Scan# 147

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

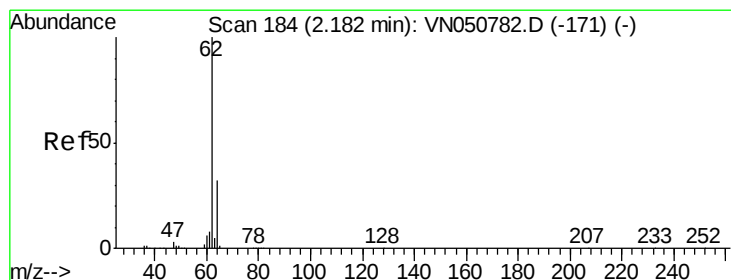
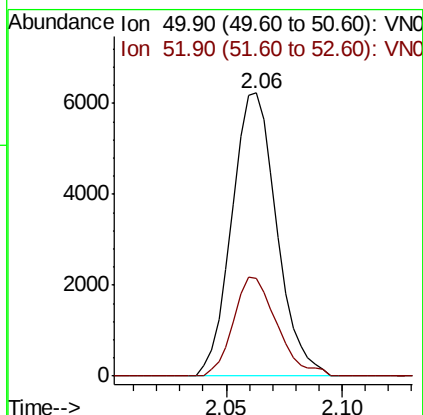
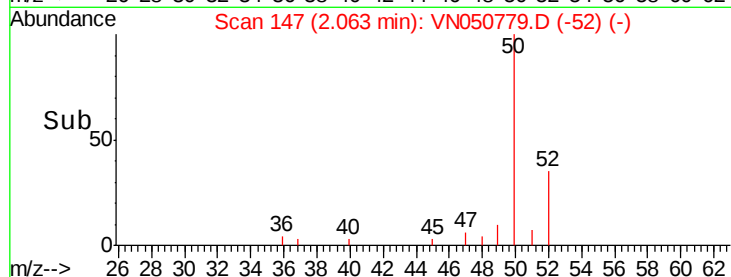
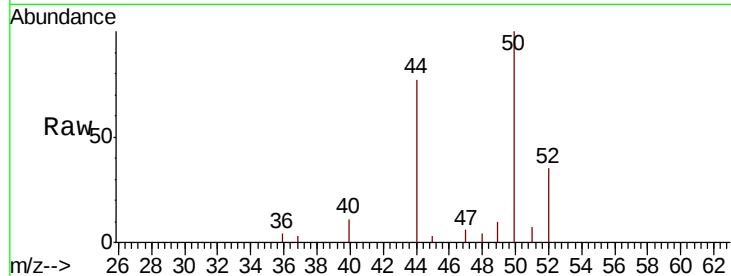
VSTDICC

Tot Ion: 50 Resp: 8377

Ion Ratio Lower Upper

50 100

52 34.5 26.3 39.5



#4

Vinyl Chloride

Concen: 0.955 ug/l

RT: 2.19 min Scan# 187

Delta R.T. 0.01 min

Lab File: VN050779.D

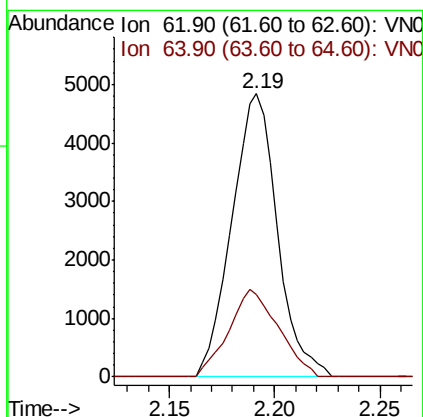
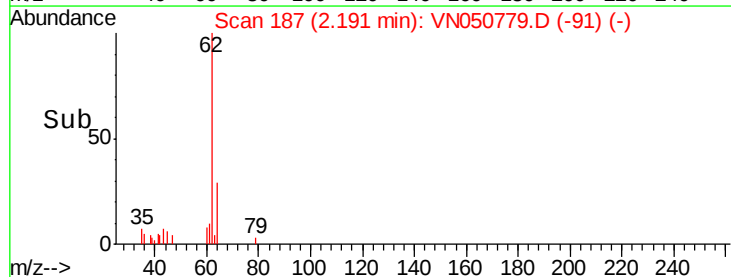
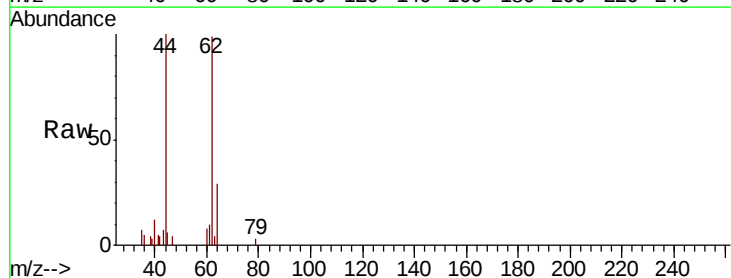
Acq: 21 Aug 2018 9:56

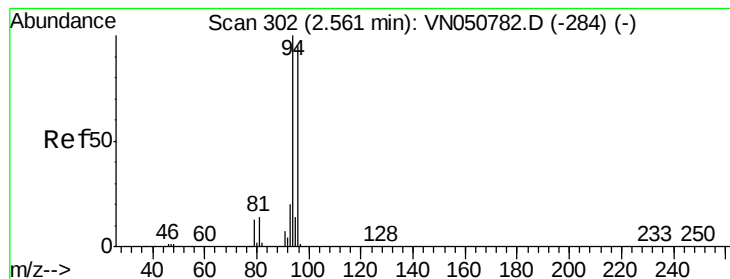
Tgt Ion: 62 Resp: 7255

Ion Ratio Lower Upper

62 100

64 29.2 25.4 38.2





#5

Bromomethane

Concen: 1.351 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

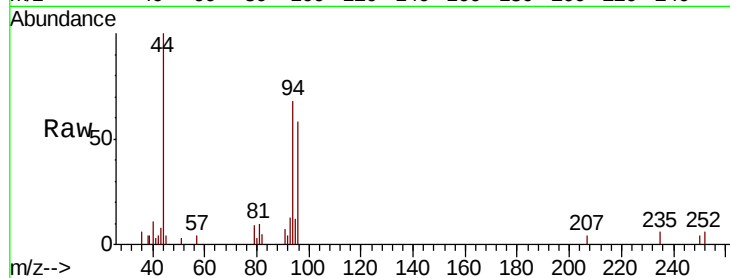
VSTDICC

Tot Ion: 94 Resp: 6604

Ion Ratio Lower Upper

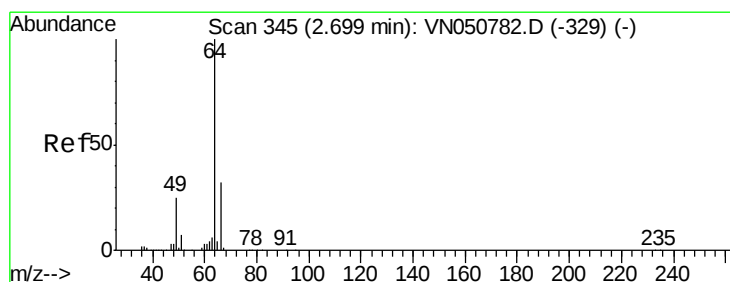
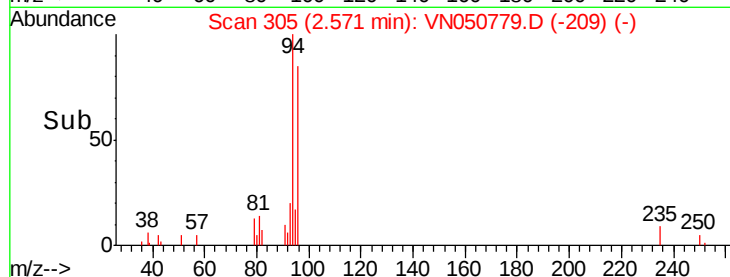
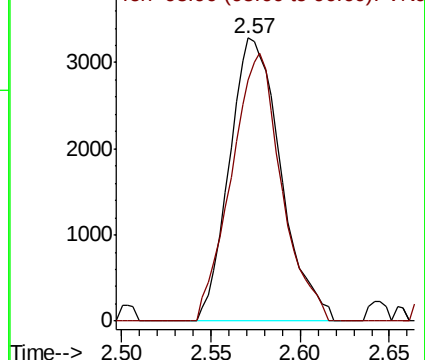
94 100

96 85.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.042 ug/l

RT: 2.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VN050779.D

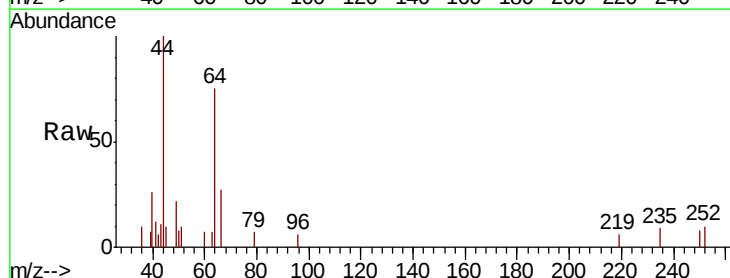
Acq: 21 Aug 2018 9:56

Tgt Ion: 64 Resp: 4572

Ion Ratio Lower Upper

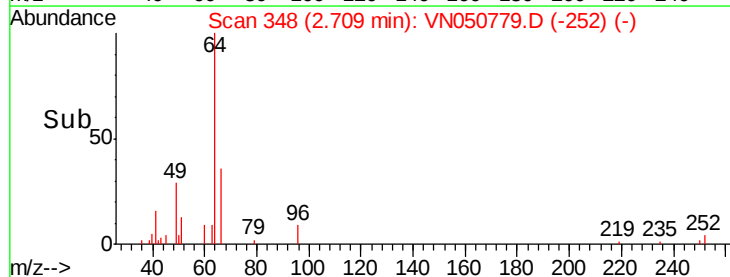
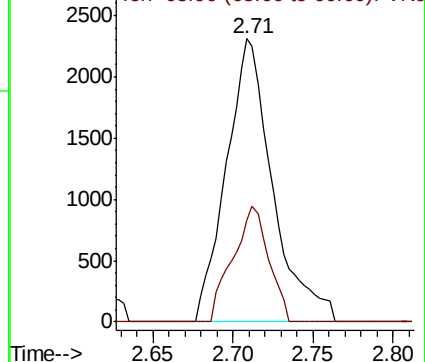
64 100

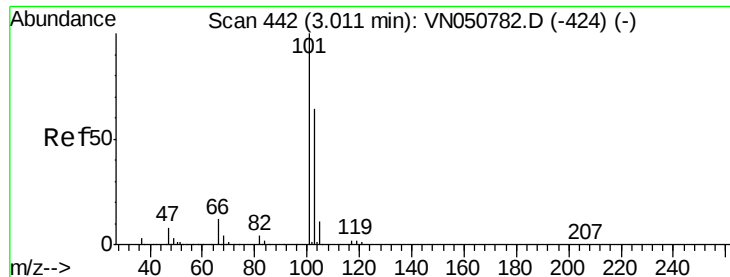
66 36.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



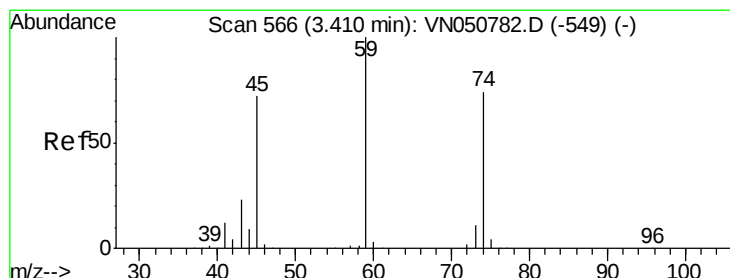
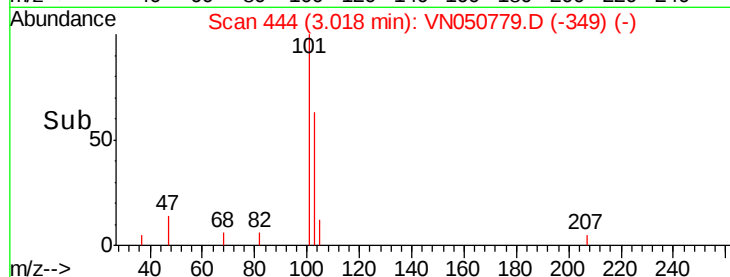
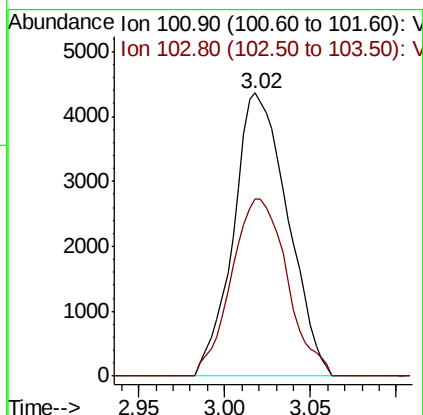
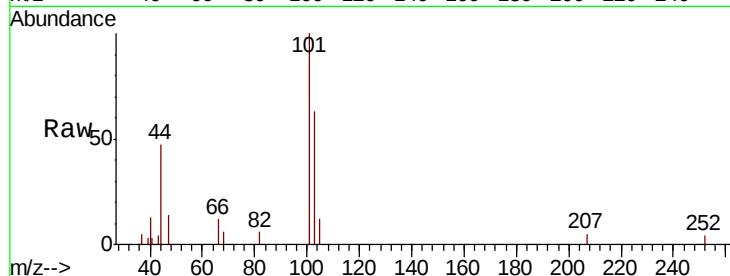


#7

Trichlorofluoromethane
 Concen: 0.983 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC

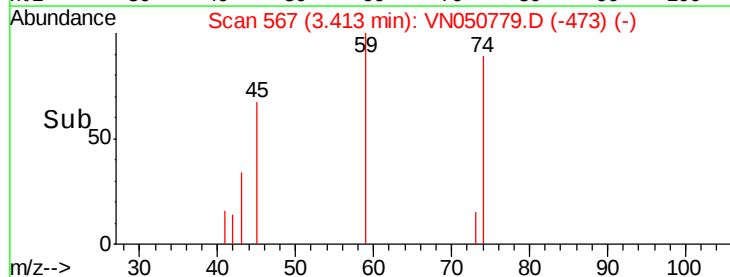
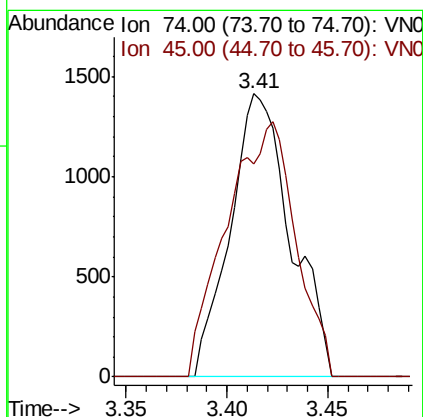
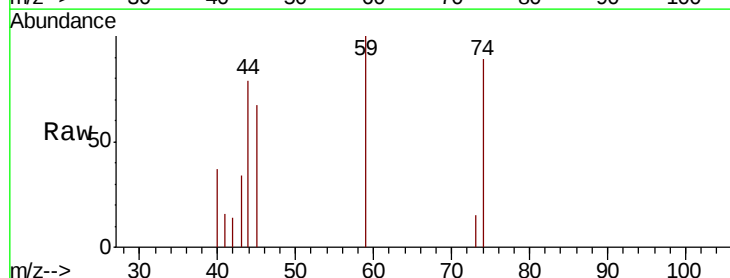
Tot Ion:101 Resp: 9561
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.6 77.4

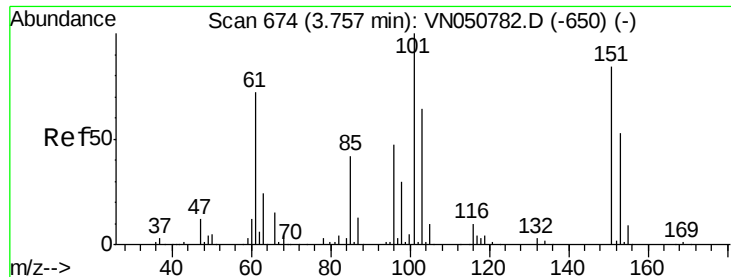


#8

Diethyl Ether
 Concen: 0.892 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion: 74 Resp: 2951
 Ion Ratio Lower Upper
 74 100
 45 102.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.966 ug/l

RT: 3.76 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VSTDICC

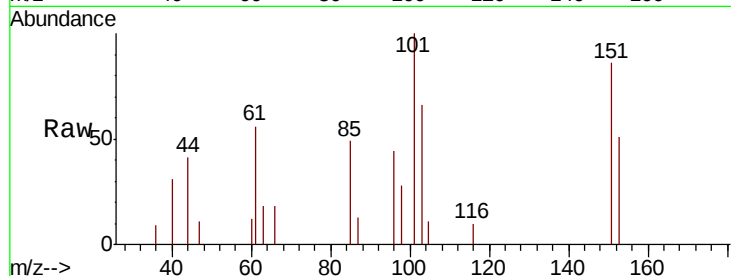
Tot Ion:101 Resp: 5871

Ion Ratio Lower Upper

101 100

85 44.2 33.7 50.5

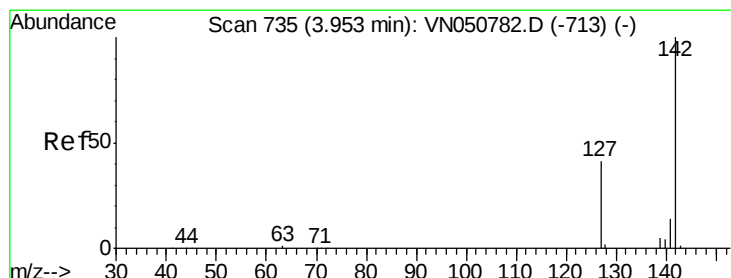
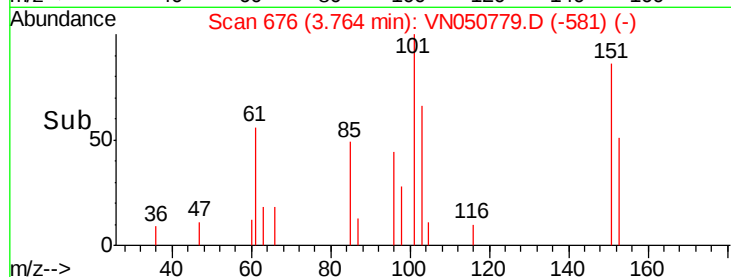
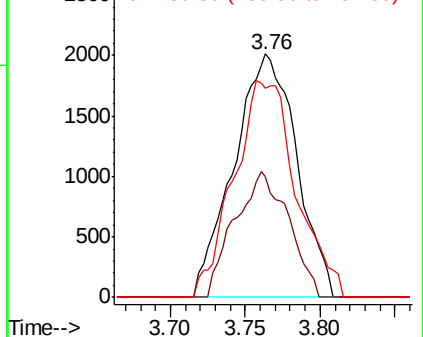
151 88.3 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.339 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

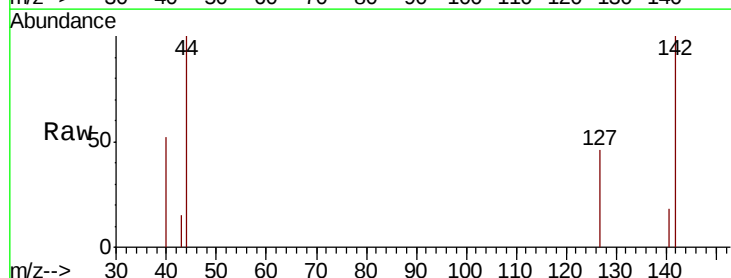
Tgt Ion:142 Resp: 1633

Ion Ratio Lower Upper

142 100

127 84.5 31.7 47.5#

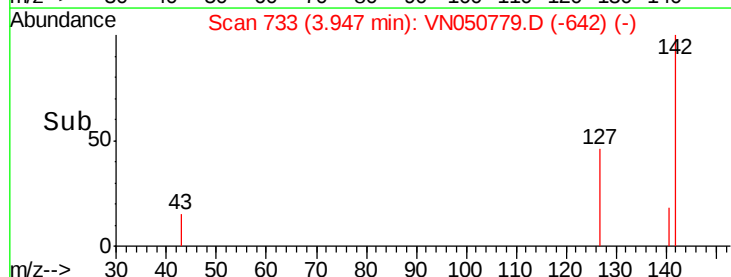
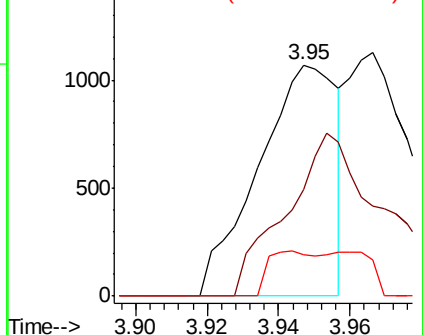
141 11.5 11.4 17.0

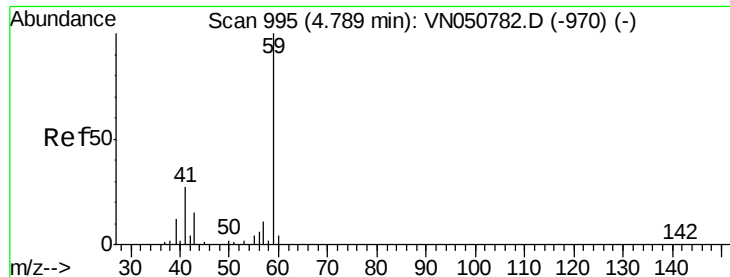


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

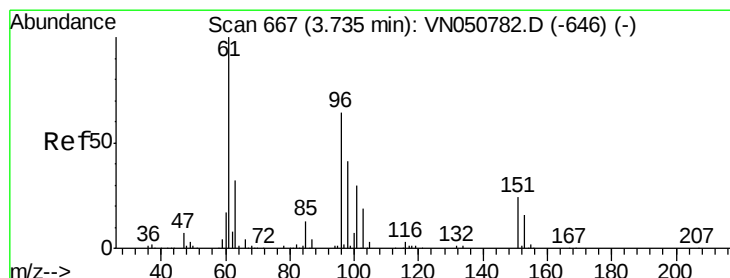
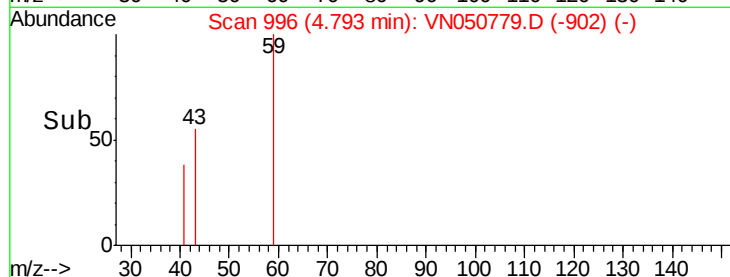
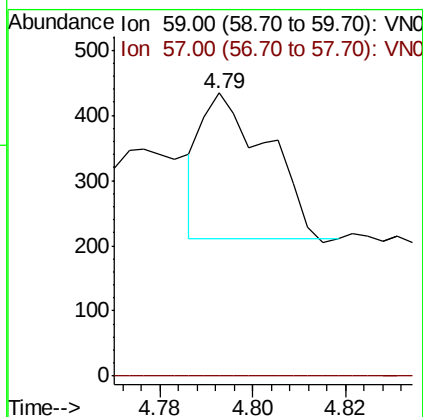
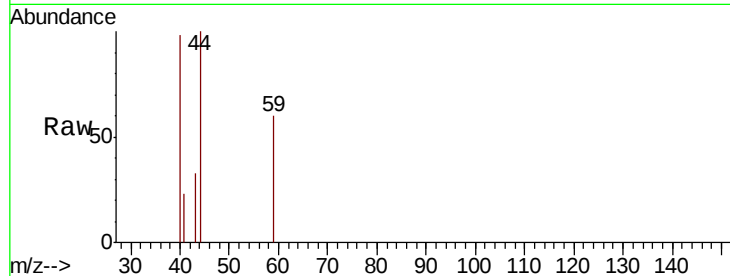




#11
Tert butyl alcohol
Concen: 0.594 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

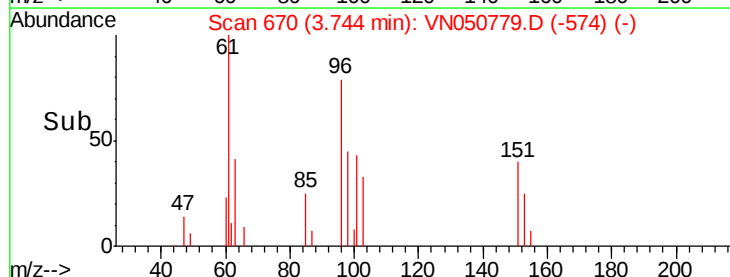
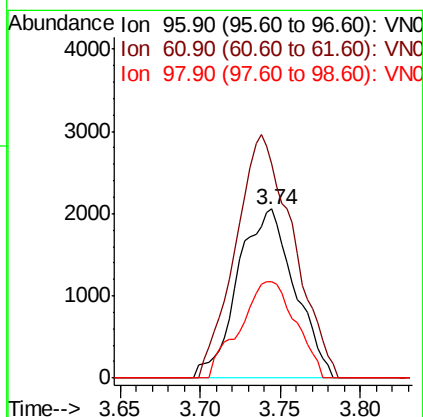
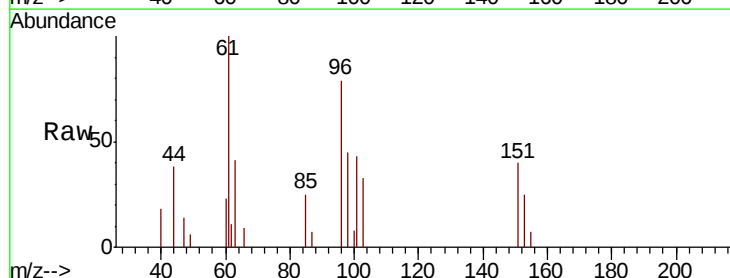
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC

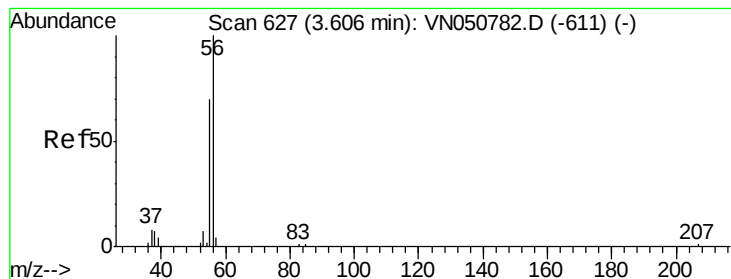
Tot Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.918 ug/l
RT: 3.74 min Scan# 670
Delta R.T. 0.01 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion: 96 Resp: 5009
Ion Ratio Lower Upper
96 100
61 126.8 124.9 187.3
98 56.9 51.1 76.7





#13

Acrolein

Concen: 4.931 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

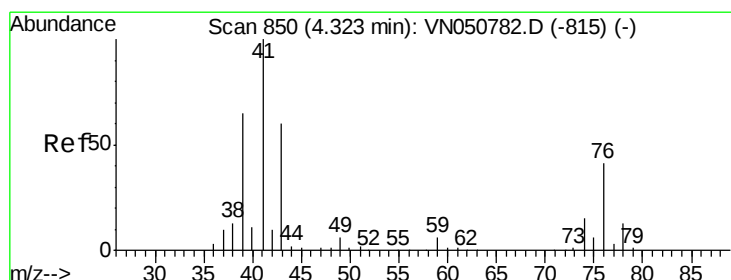
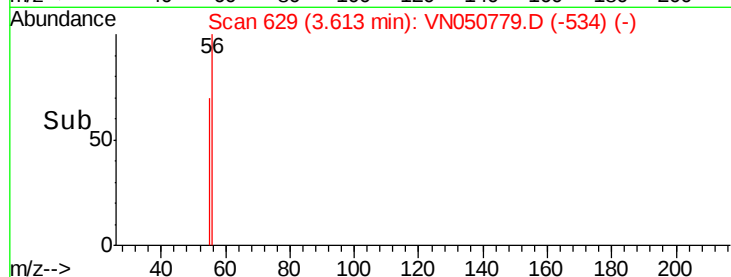
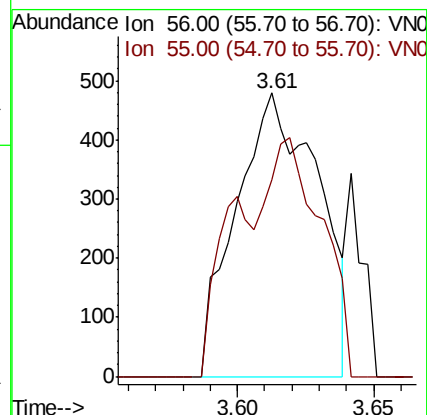
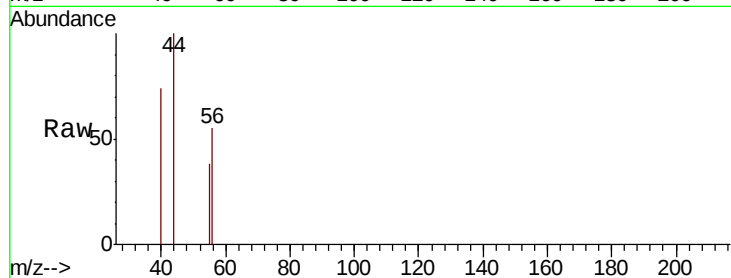
VSTDICC

Tot Ion: 56 Resp: 1003

Ion Ratio Lower Upper

56 100

55 57.3 57.7 86.5#



#14

Allyl chloride

Concen: 0.843 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

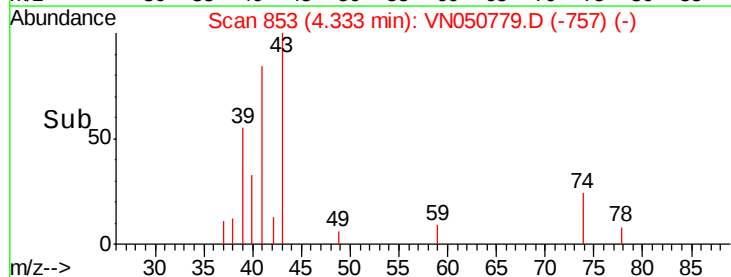
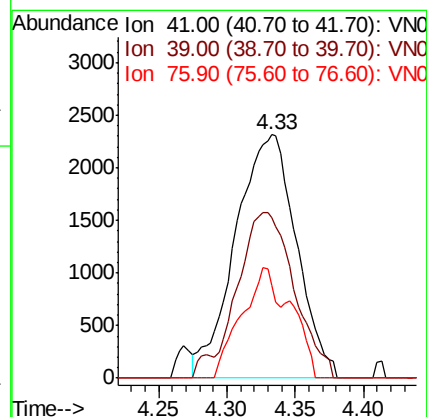
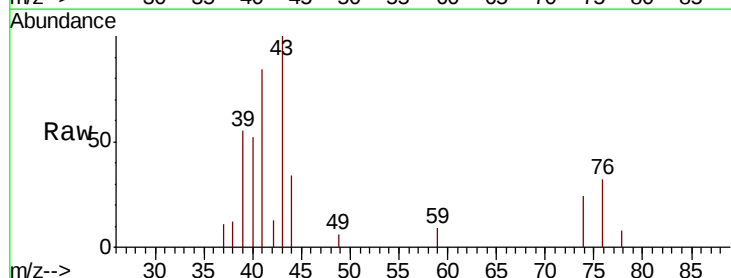
Tgt Ion: 41 Resp: 7168

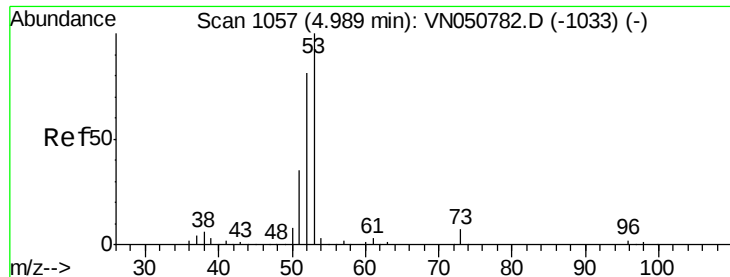
Ion Ratio Lower Upper

41 100

39 64.5 50.2 75.2

76 26.4 29.8 44.8#





#15

Acrylonitrile

Concen: 3.580 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC

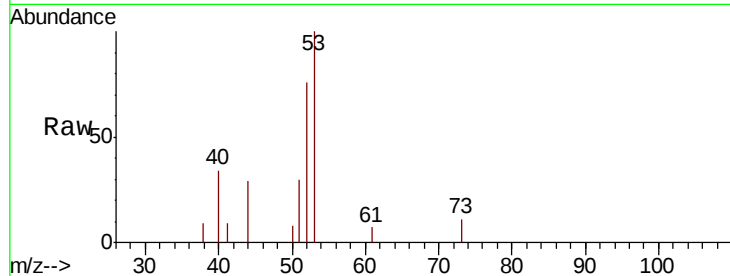
Tot Ion: 53 Resp: 6775

Ion Ratio Lower Upper

53 100

52 61.1 65.9 98.9#

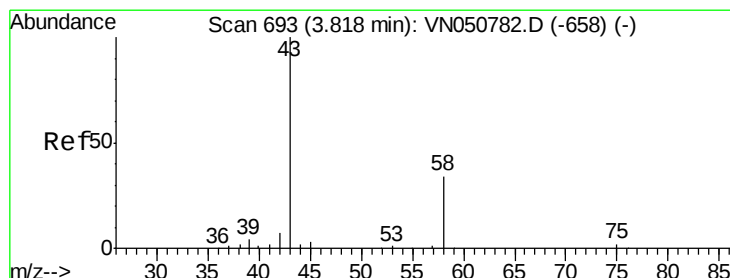
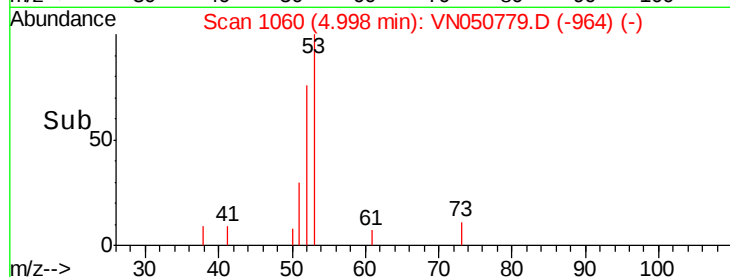
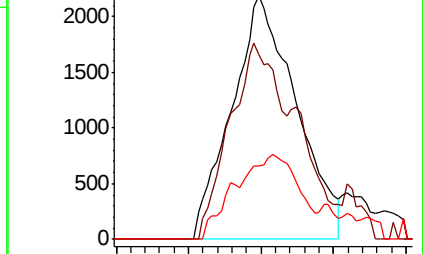
51 34.0 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN050782.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN050782.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN050782.D (-1033) (-)



#16

Acetone

Concen: 6.180 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050779.D

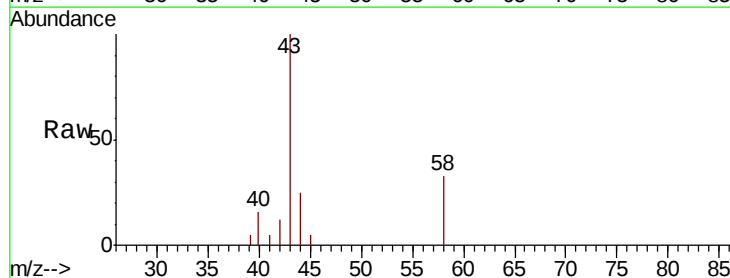
Acq: 21 Aug 2018 9:56

Tgt Ion: 43 Resp: 9965

Ion Ratio Lower Upper

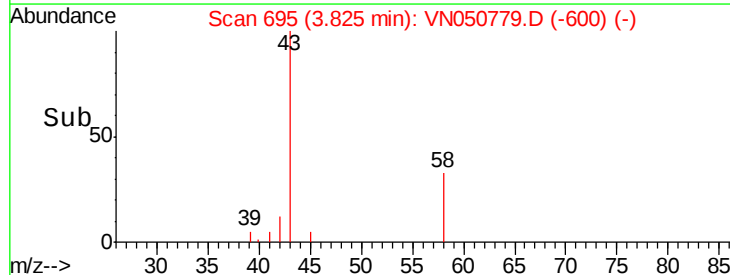
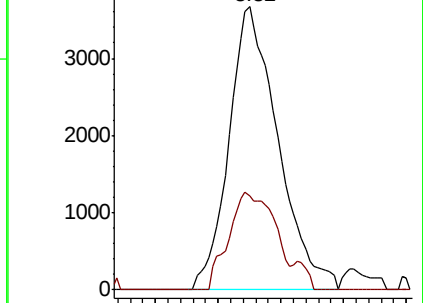
43 100

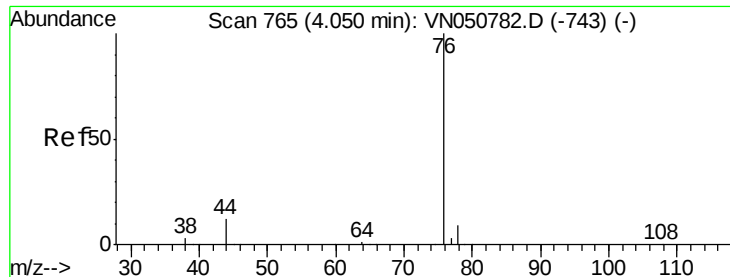
58 33.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-658) (-)

Ion 58.00 (57.70 to 58.70): VN050782.D (-658) (-)





#17

Carbon Disulfide

Concen: 0.916 ug/l

RT: 4.06 min Scan# 768

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

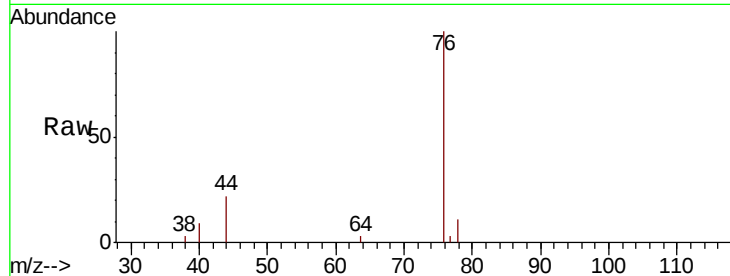
VSTDICC

Tot Ion: 76 Resp: 16749

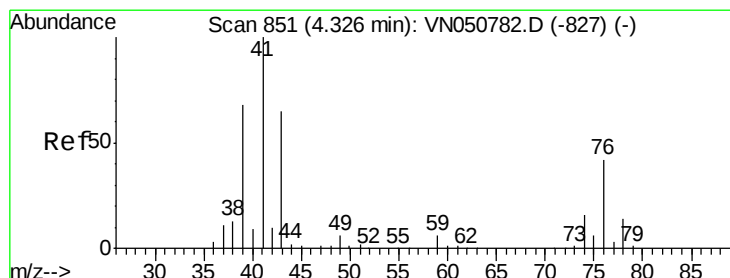
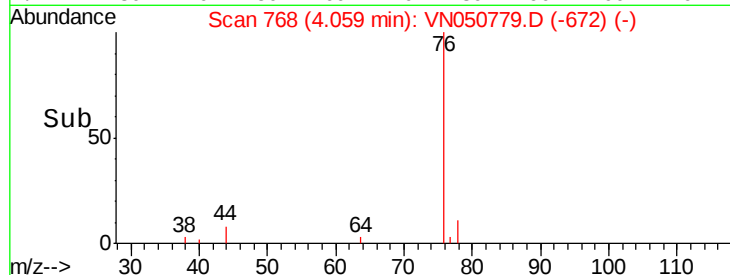
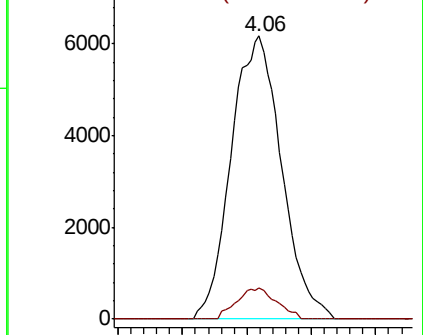
Ion Ratio Lower Upper

76 100

78 10.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 1.549 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN050779.D

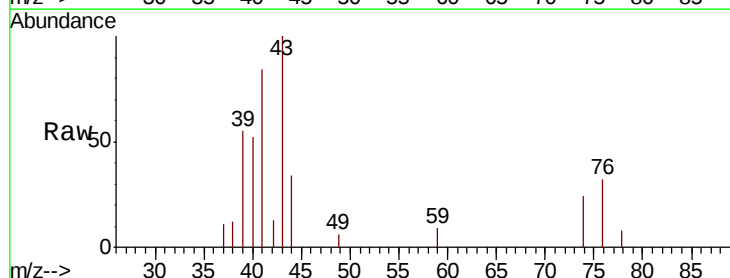
Acq: 21 Aug 2018 9:56

Tgt Ion: 43 Resp: 8613

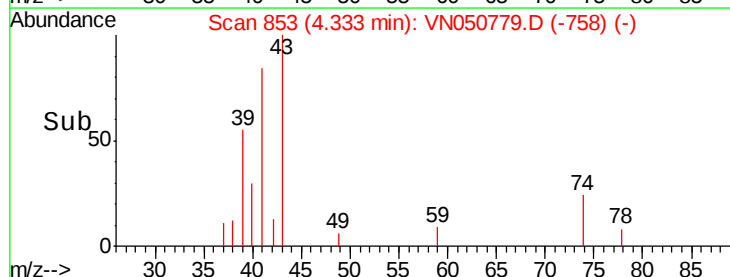
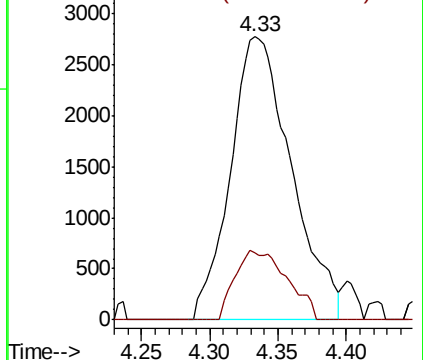
Ion Ratio Lower Upper

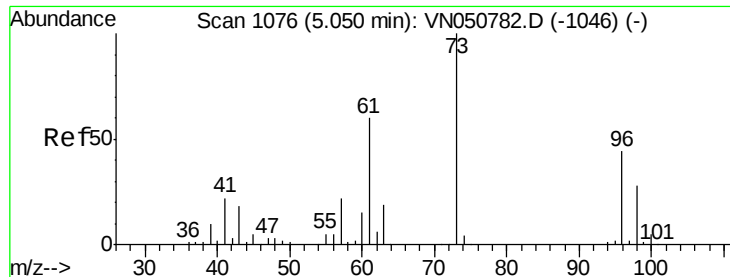
43 100

74 20.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

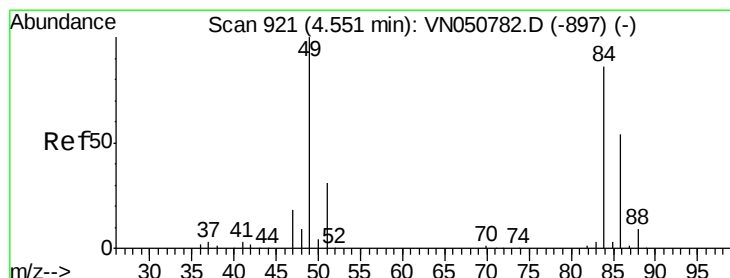
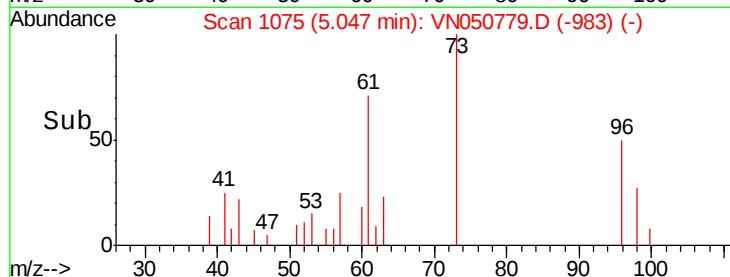
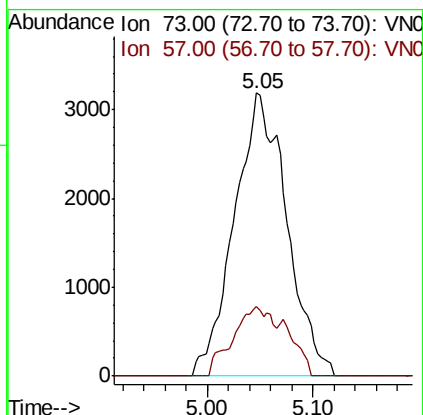
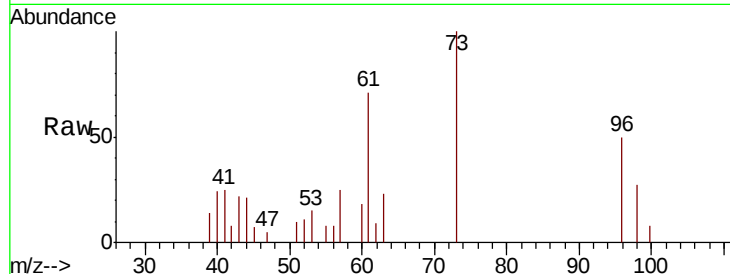




#19
Methyl tert-butyl Ether
Concen: 0.800 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

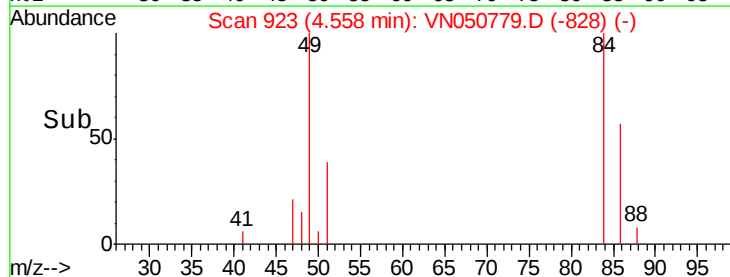
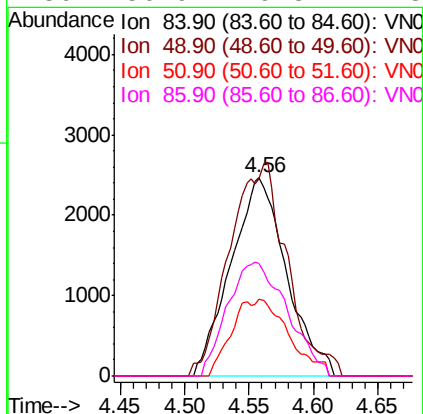
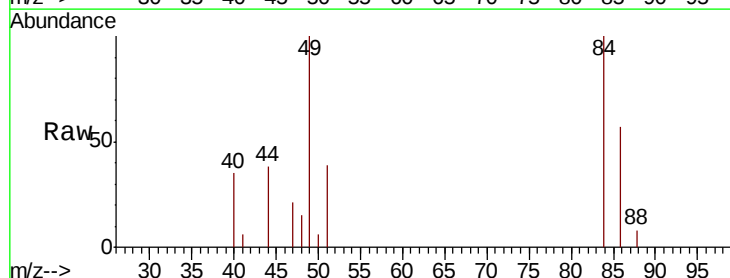
Instrument :
MSVOA_N
ClientSampled :
VSTDICC

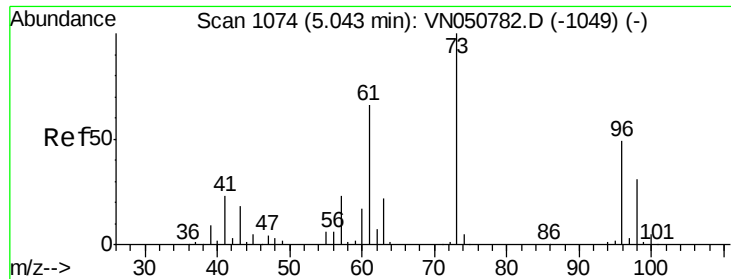
Tot Ion: 73 Resp: 10978
Ion Ratio Lower Upper
73 100
57 24.7 17.8 26.8



#20
Methylene Chloride
Concen: 1.125 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion: 84 Resp: 7414
Ion Ratio Lower Upper
84 100
49 100.0 93.2 139.8
51 38.5 29.0 43.6
86 56.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 0.683 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC

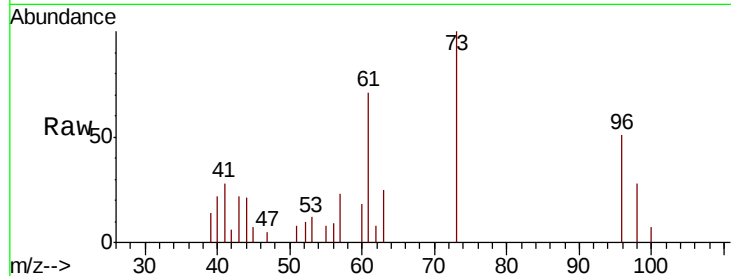
Tot Ion: 96 Resp: 4014

Ion Ratio Lower Upper

96 100

61 138.4 107.4 161.0

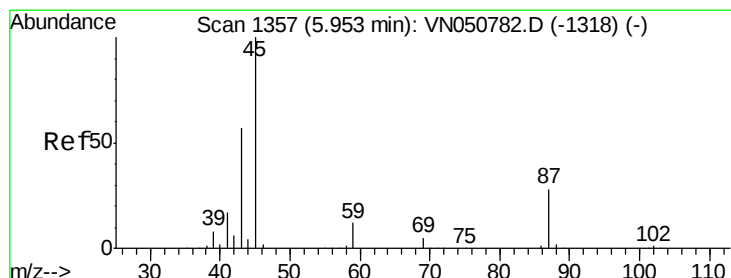
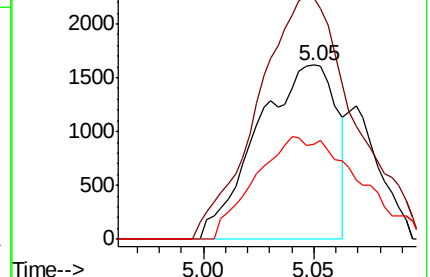
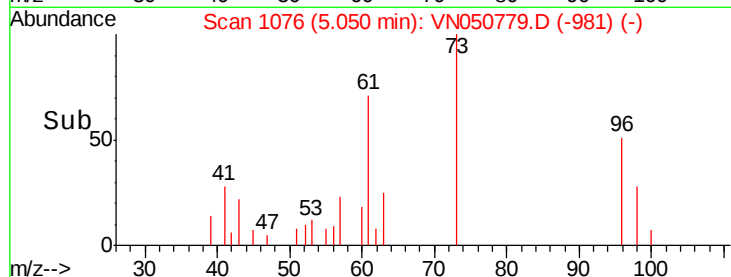
98 54.9 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN050779.D (-1264) (-)

Ion 60.90 (60.60 to 61.60): VN050779.D (-1264) (-)

Ion 97.90 (97.60 to 98.60): VN050779.D (-1264) (-)



#22

Diisopropyl ether

Concen: 0.741 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Tgt Ion: 45 Resp: 12548

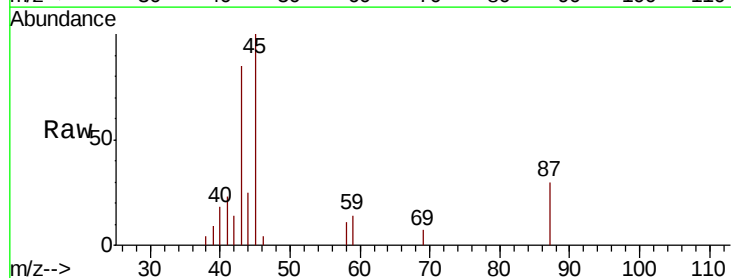
Ion Ratio Lower Upper

45 100

43 79.4 45.9 68.9#

87 30.2 22.7 34.1

59 13.6 9.3 13.9

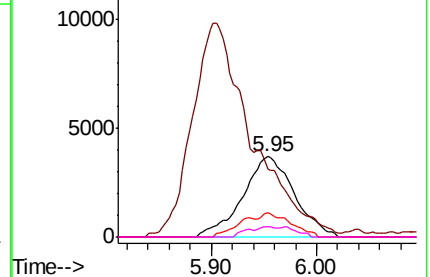
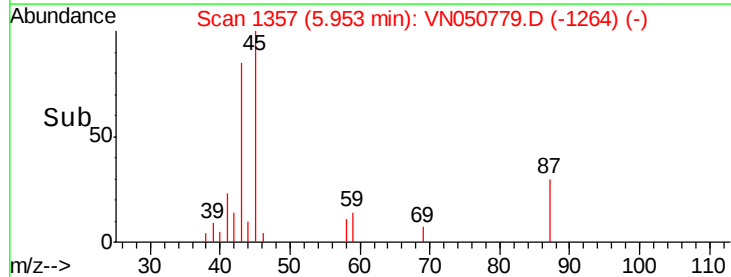


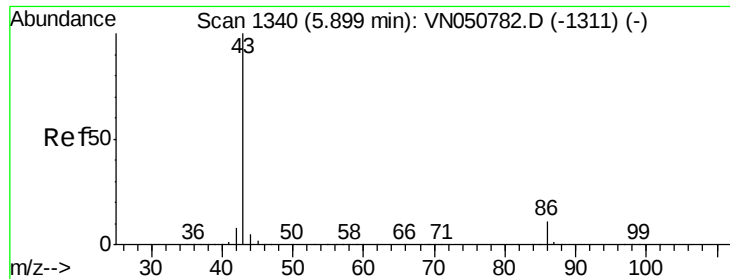
Abundance Ion 45.00 (44.70 to 45.70): VN050779.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN050779.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN050779.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN050779.D (-1264) (-)





#23

Vinyl Acetate

Concen: 3.559 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

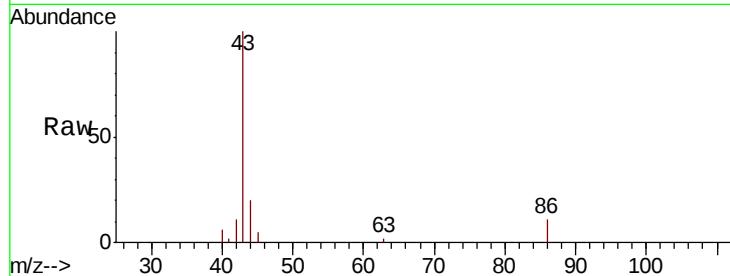
VSTDICC

Tot Ion: 43 Resp: 38828

Ion Ratio Lower Upper

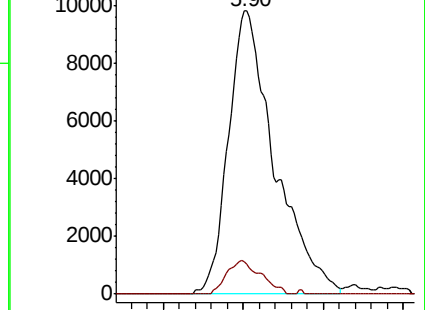
43 100

86 11.5 8.7 13.1

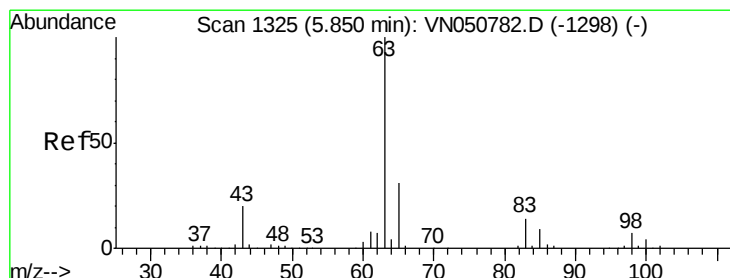
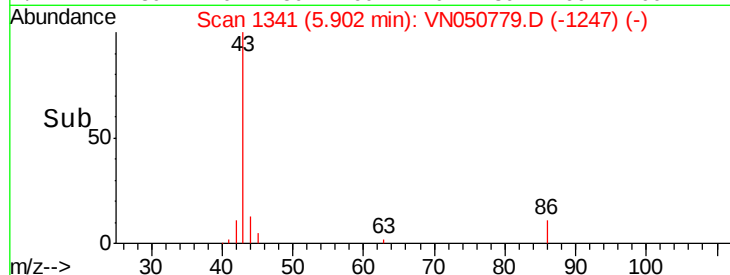


Abundance Ion 43.00 (42.70 to 43.70): VN050779.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN050779.D (-1247) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 0.963 ug/l

RT: 5.86 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

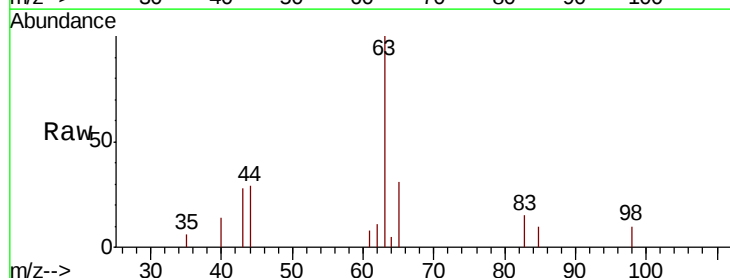
Tgt Ion: 63 Resp: 10473

Ion Ratio Lower Upper

63 100

98 10.3 3.3 9.8#

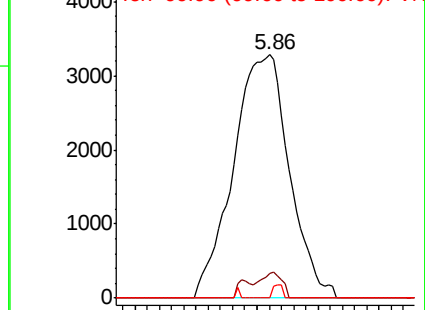
100 0.0 2.1 6.5#



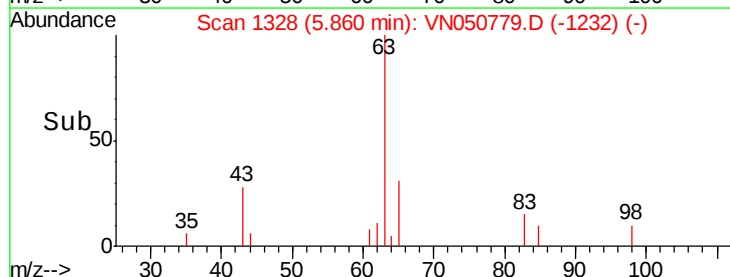
Abundance Ion 62.90 (62.60 to 63.60): VN050779.D (-1232) (-)

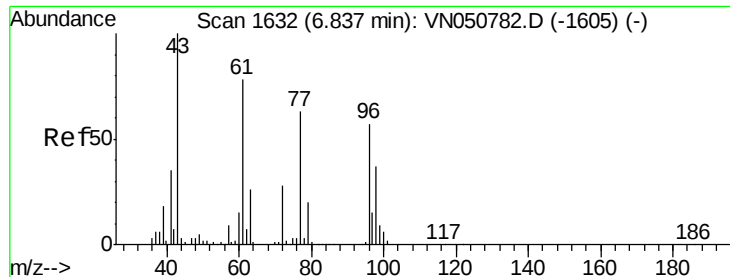
Ion 97.90 (97.60 to 98.60): VN050779.D (-1232) (-)

Ion 99.90 (99.60 to 100.60): VN050779.D (-1232) (-)



Time-->





#25

2-Butanone

Concen: 5.035 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

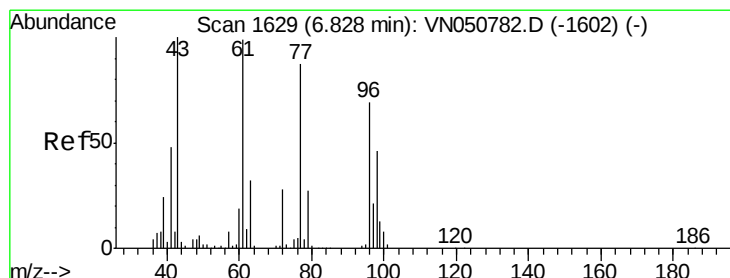
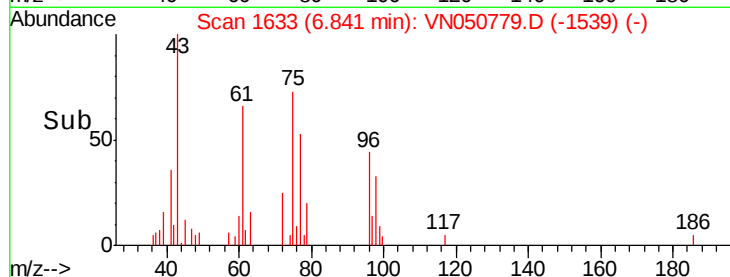
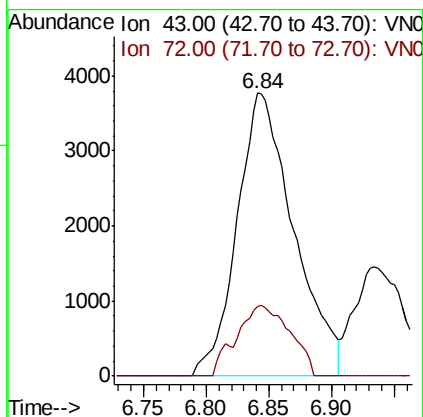
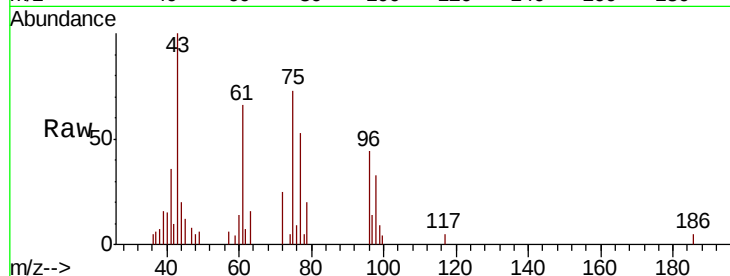
VSTDICC

Tot Ion: 43 Resp: 11865

Ion Ratio Lower Upper

43 100

72 24.7 22.3 33.5



#26

2,2-Dichloropropane

Concen: 0.989 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050779.D

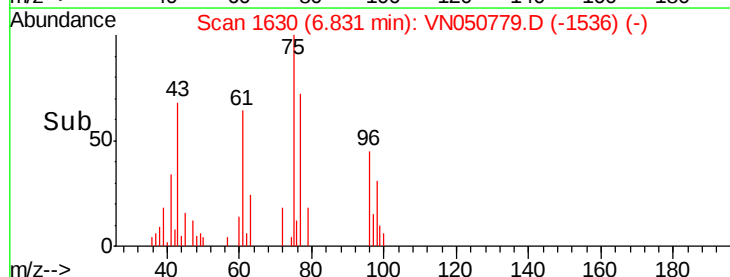
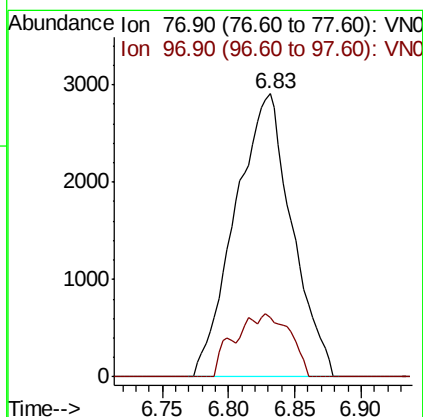
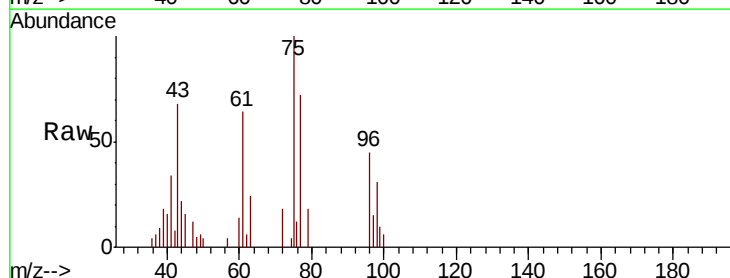
Acq: 21 Aug 2018 9:56

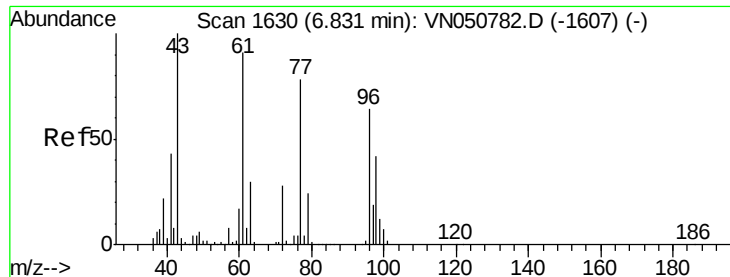
Tgt Ion: 77 Resp: 8643

Ion Ratio Lower Upper

77 100

97 2.3 12.0 36.0#





#27

cis-1,2-Dichloroethene

Concen: 0.831 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC

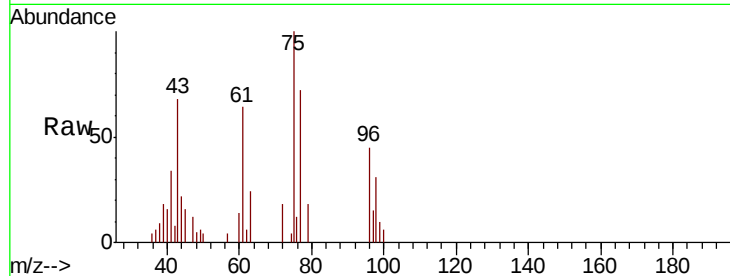
Tot Ion: 96 Resp: 5289

Ion Ratio Lower Upper

96 100

61 73.0 0.0 283.4

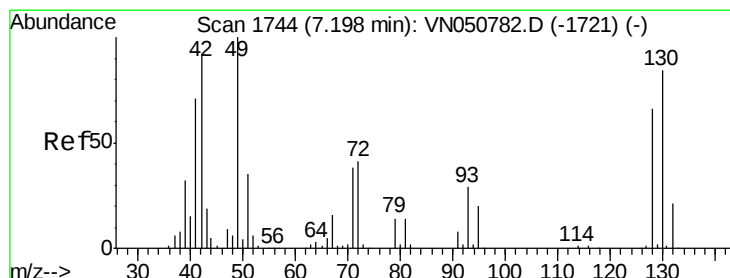
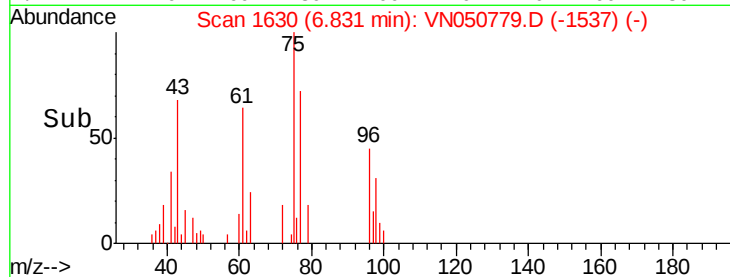
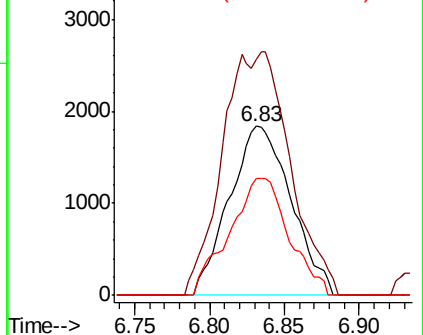
98 66.6 0.0 129.8



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: 0.928 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

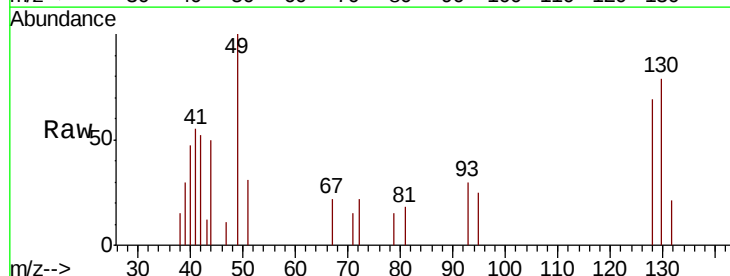
Tgt Ion: 49 Resp: 4290

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

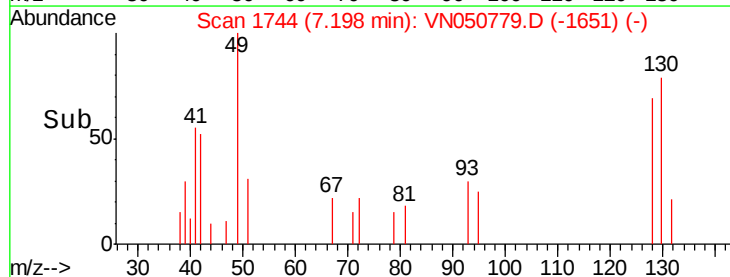
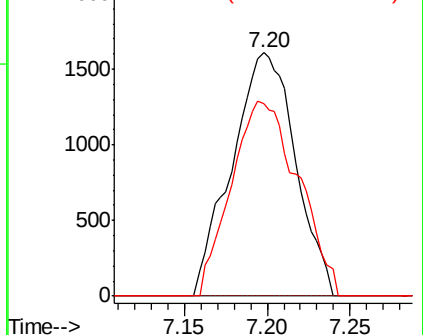
130 84.4 67.1 100.7

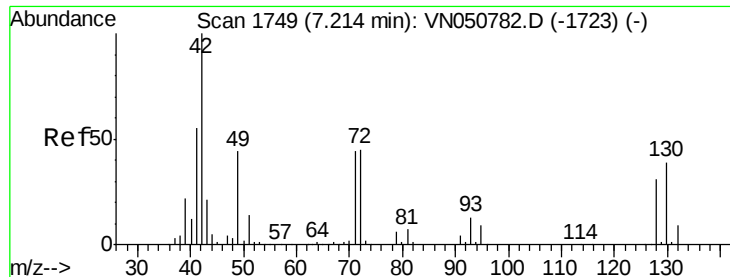


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 4.086 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC

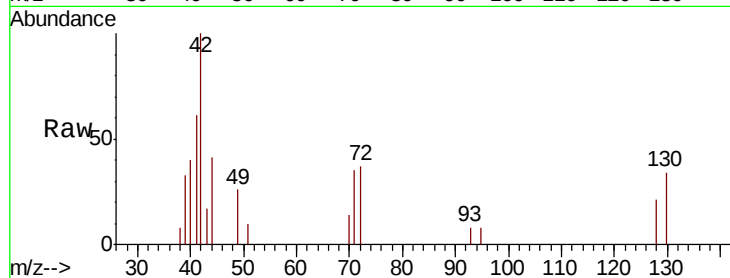
Tot Ion: 42 Resp: 5520

Ion Ratio Lower Upper

42 100

72 13.9 35.5 53.3#

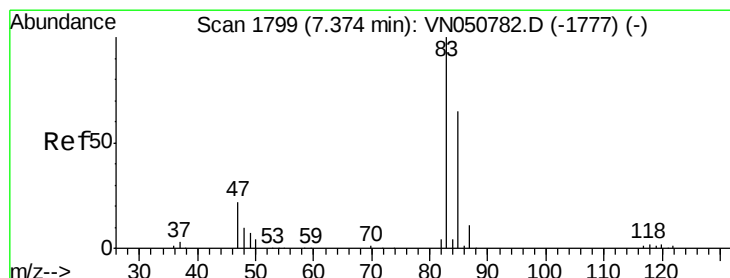
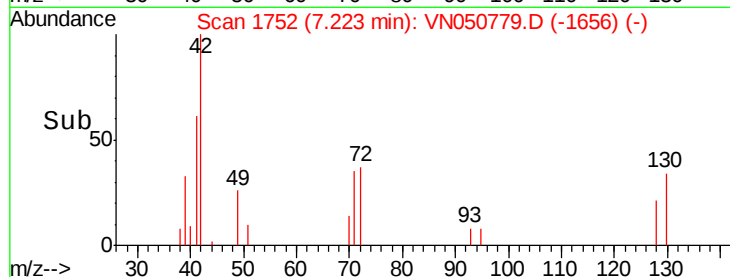
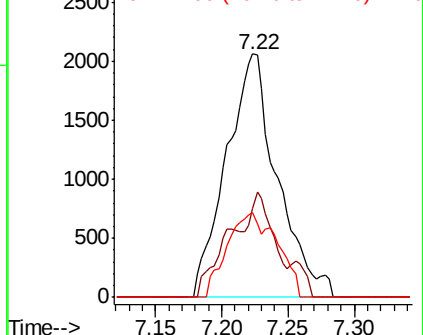
71 22.4 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.971 ug/l

RT: 7.38 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VN050779.D

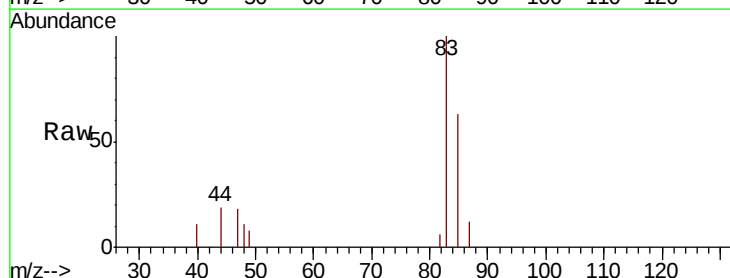
Acq: 21 Aug 2018 9:56

Tgt Ion: 83 Resp: 10457

Ion Ratio Lower Upper

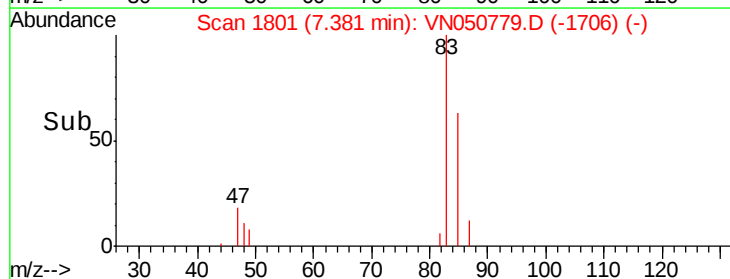
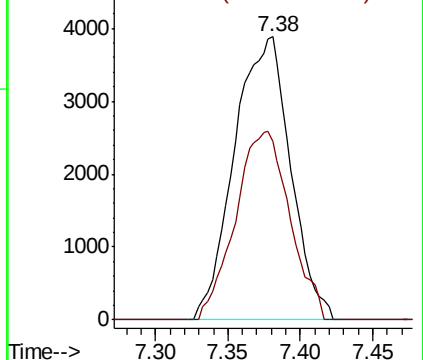
83 100

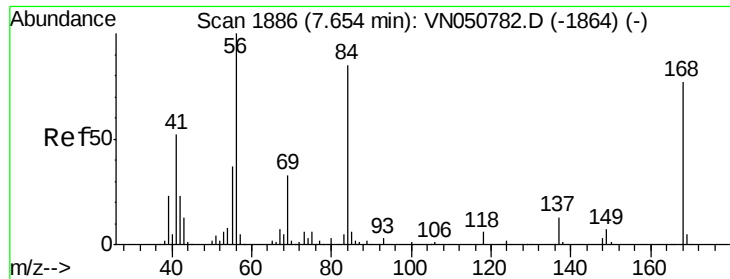
85 62.9 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

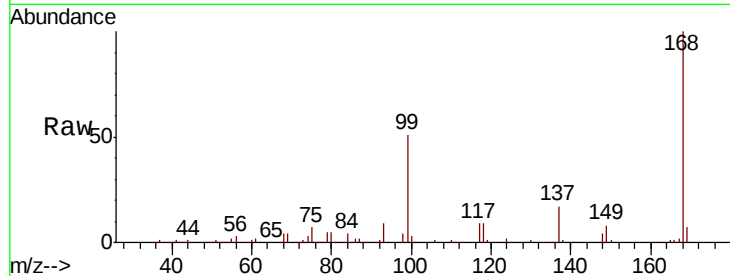




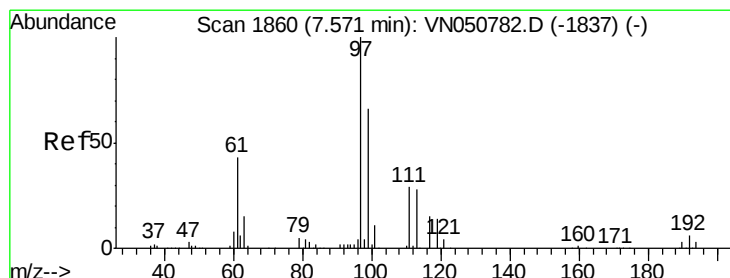
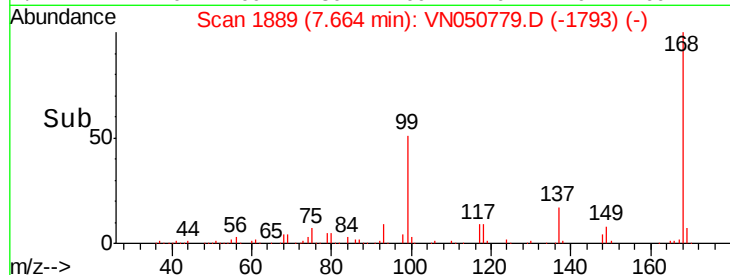
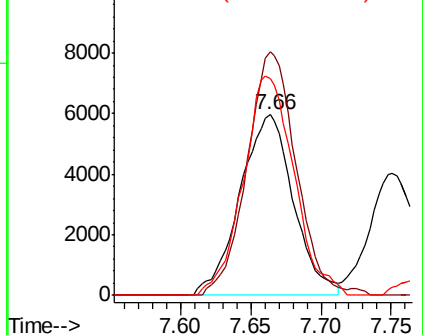
#31
Cyclohexane
Concen: 1.460 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDICC

Tot Ion: 56 Resp: 15778
Ion Ratio Lower Upper
56 100
69 134.7 26.2 39.4#
84 119.9 68.3 102.5#

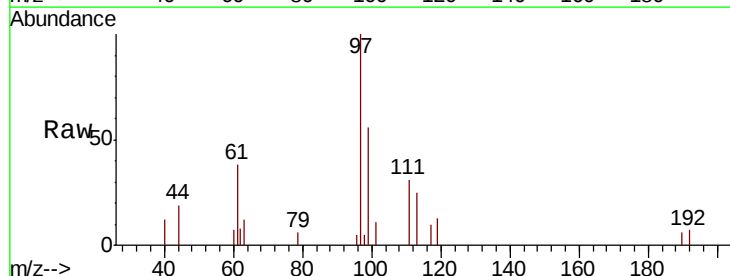


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

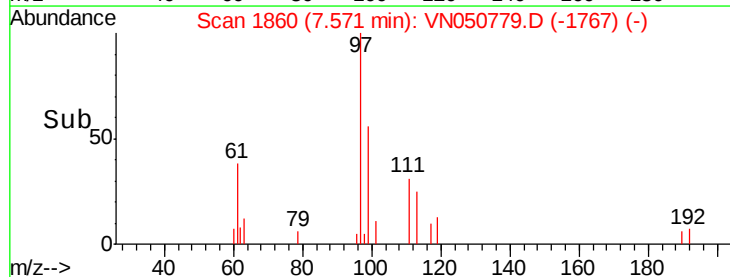
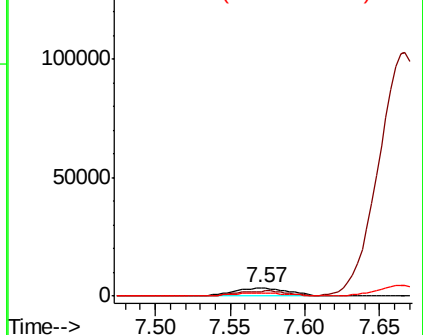


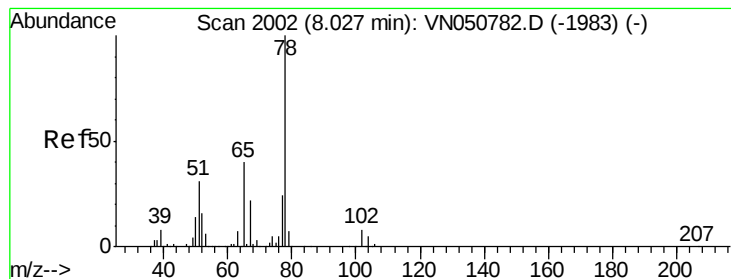
#32
1,1,1-Trichloroethane
Concen: 0.949 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion: 97 Resp: 8775
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 42.1 34.9 52.3



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: 1.256 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

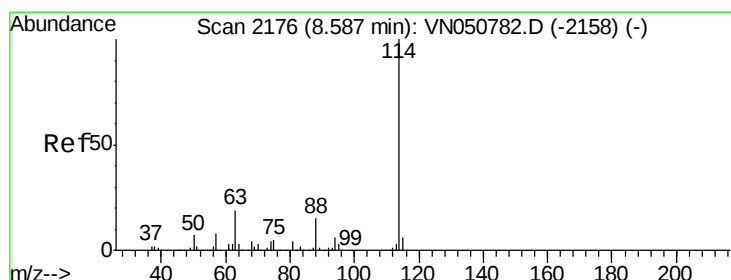
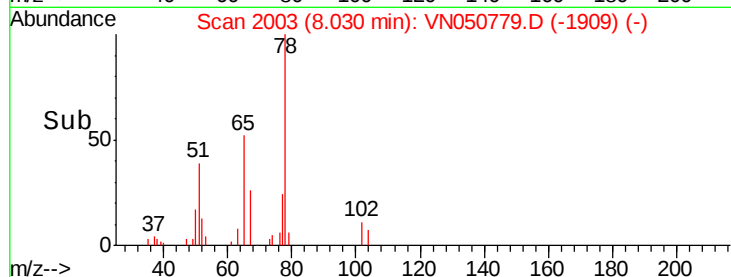
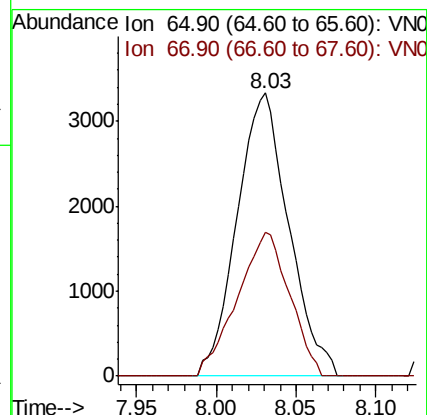
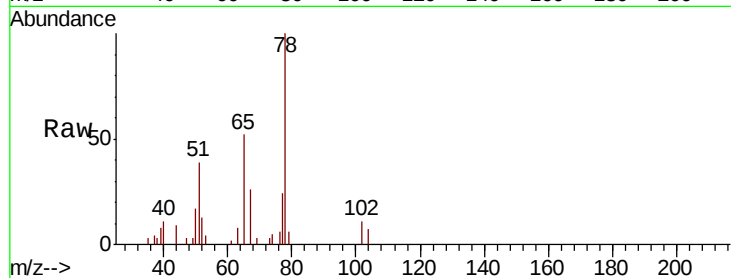
VSTDICC

Tot Ion: 65 Resp: 7346

Ion Ratio Lower Upper

65 100

67 51.5 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

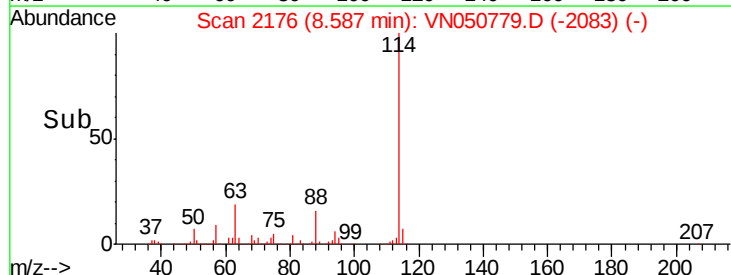
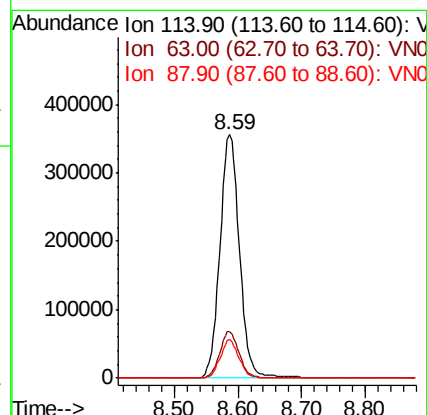
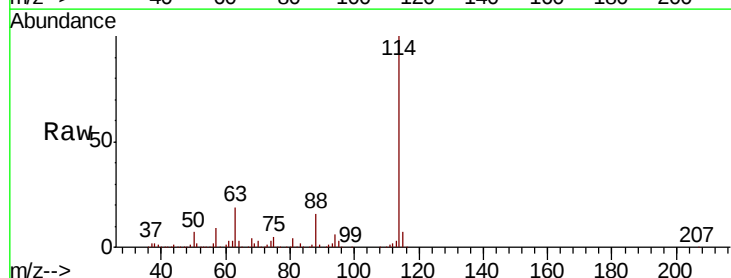
Tgt Ion: 114 Resp: 762253

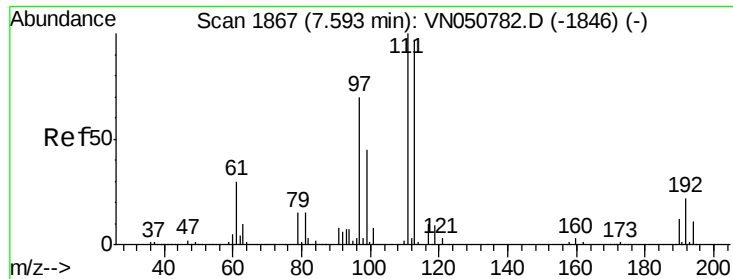
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 15.8 0.0 30.6

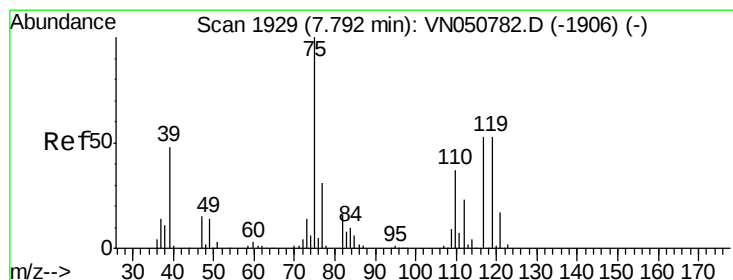
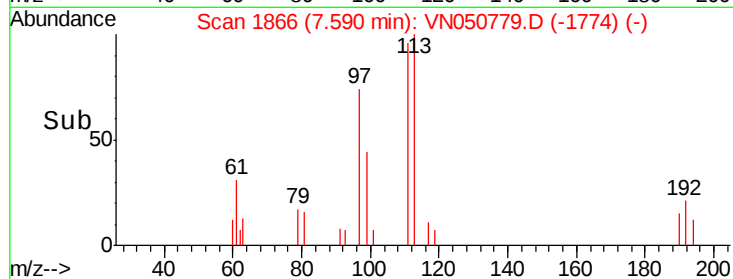
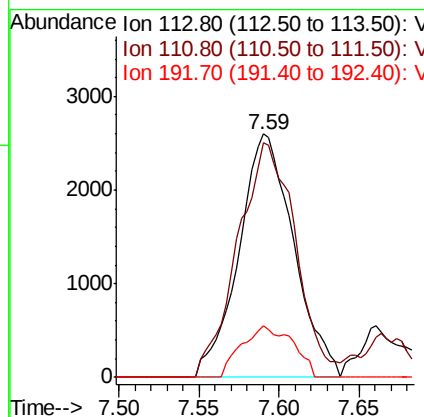
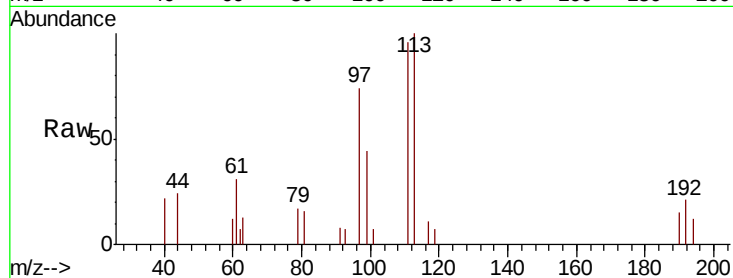




#35
 Dibromofluoromethane
 Concen: 1.005 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

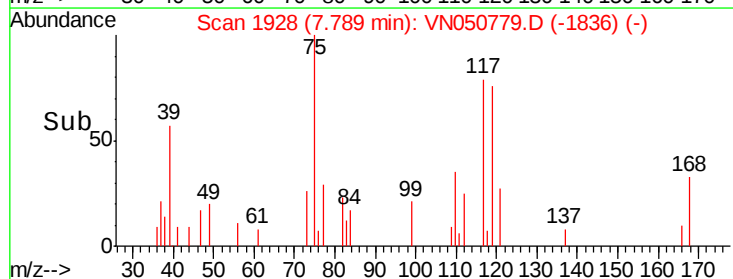
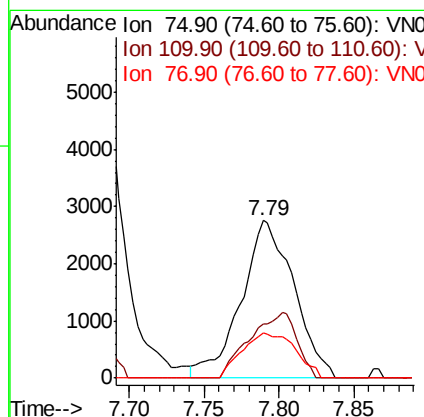
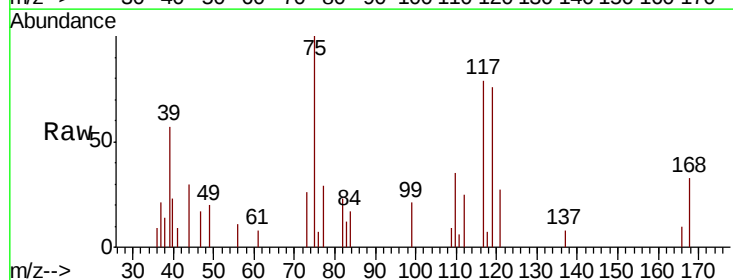
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC

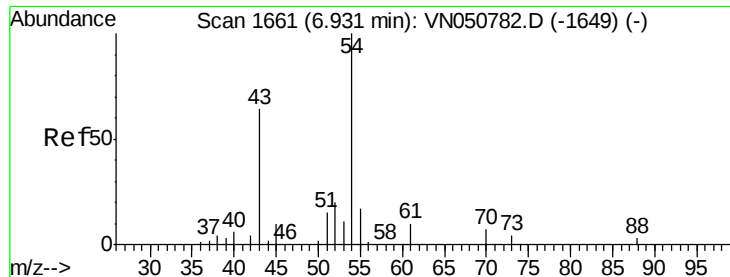
Tot Ion:113 Resp: 6097
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 19.6 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 0.751 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion: 75 Resp: 6758
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.1 54.4
 77 29.1 24.8 37.2

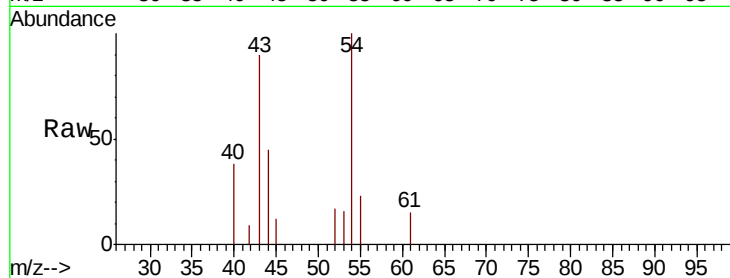




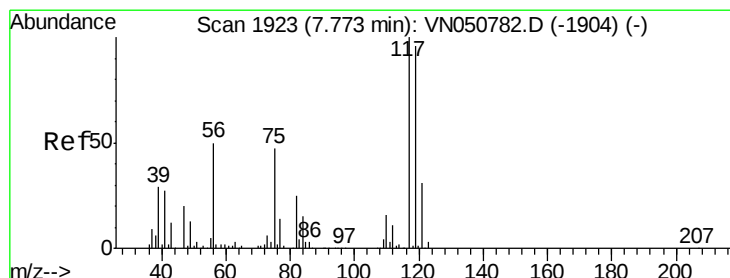
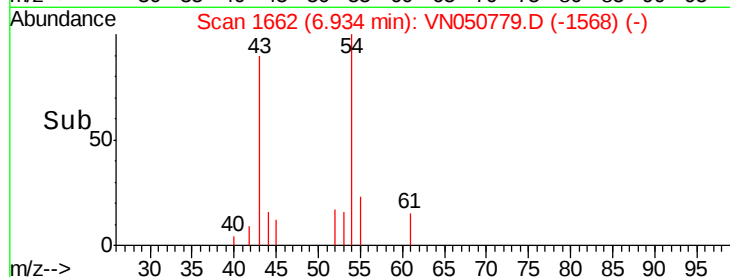
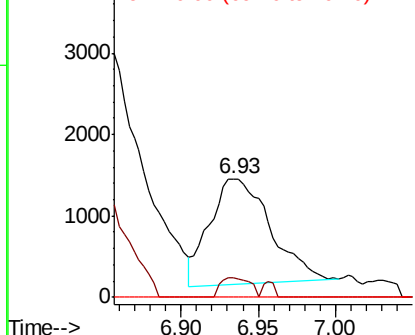
#37
Ethyl Acetate
Concen: 0.719 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC

Tot Ion: 43 Resp: 3558
Ion Ratio Lower Upper
43 100
61 8.8 12.0 18.0#
70 0.0 8.6 13.0#

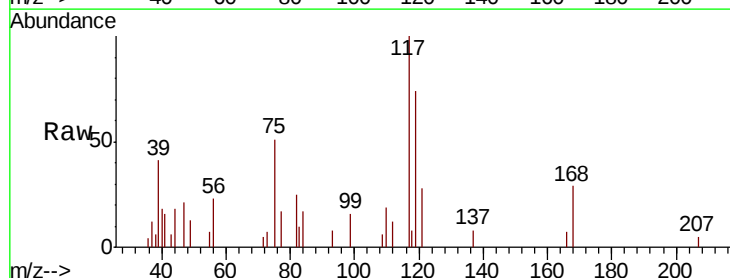


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

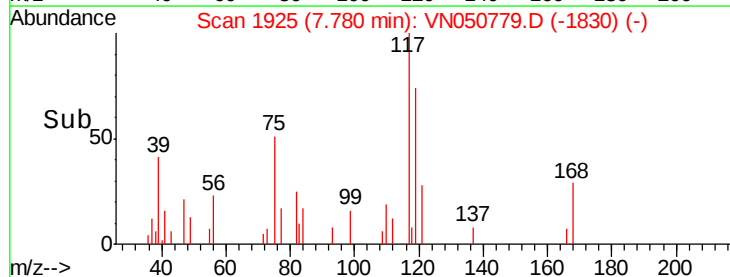
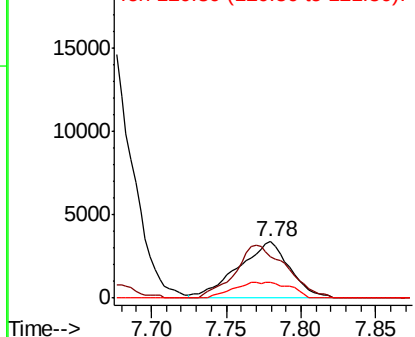


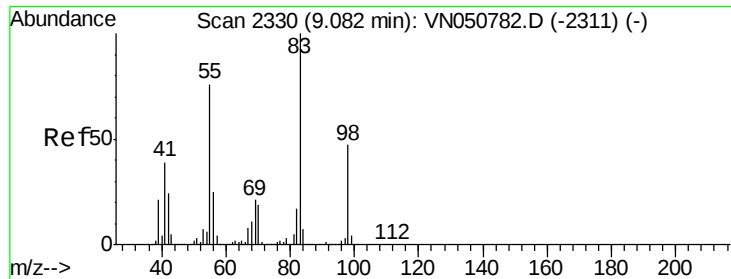
#38
Carbon Tetrachloride
Concen: 0.899 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion: 117 Resp: 8174
Ion Ratio Lower Upper
117 100
119 73.8 76.3 114.5#
121 28.4 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

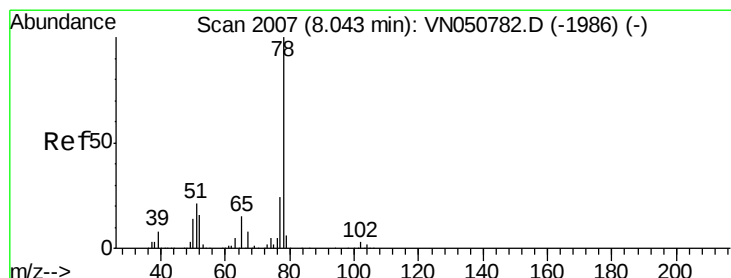
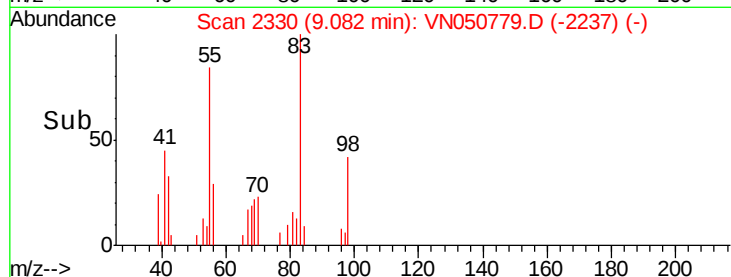
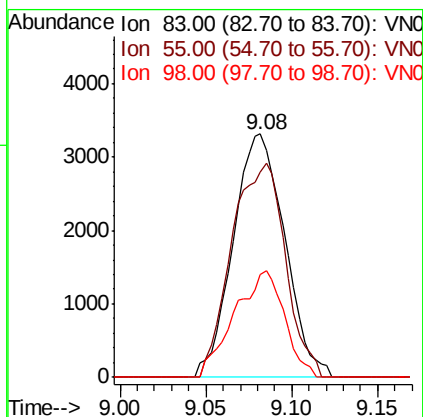
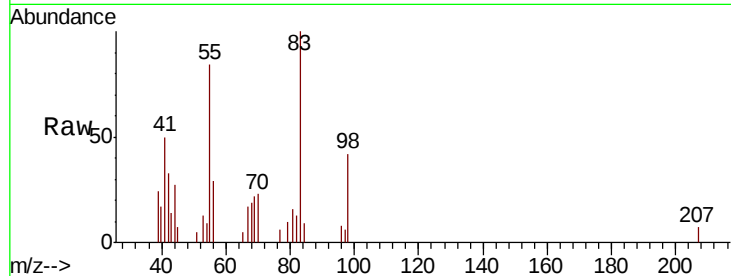




#39
Methvlcvclohexane
Concen: 0.712 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

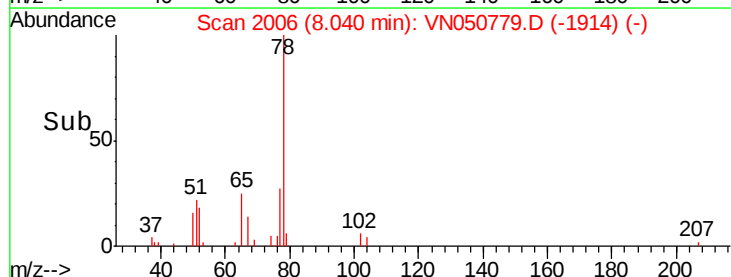
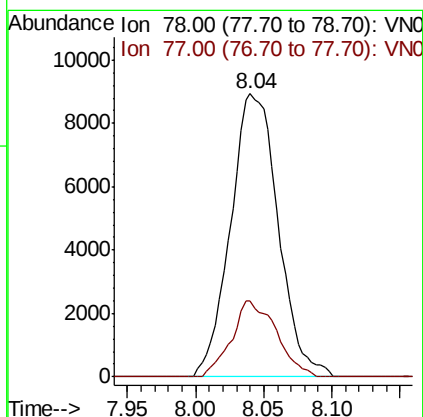
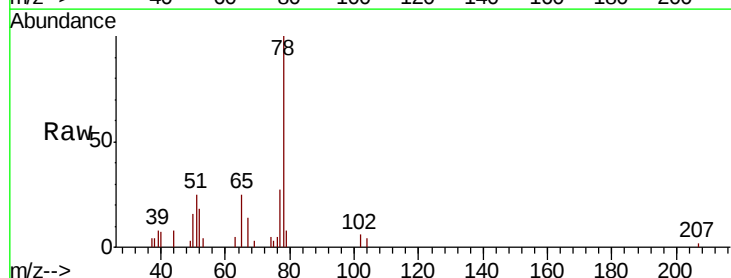
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC

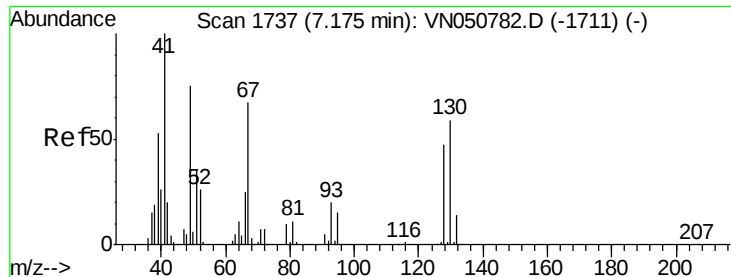
Tot Ion: 83 Resp: 6933
Ion Ratio Lower Upper
83 100
55 84.4 61.0 91.4
98 42.2 37.5 56.3



#40
Benzene
Concen: 0.799 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion: 78 Resp: 21681
Ion Ratio Lower Upper
78 100
77 26.7 19.0 28.4

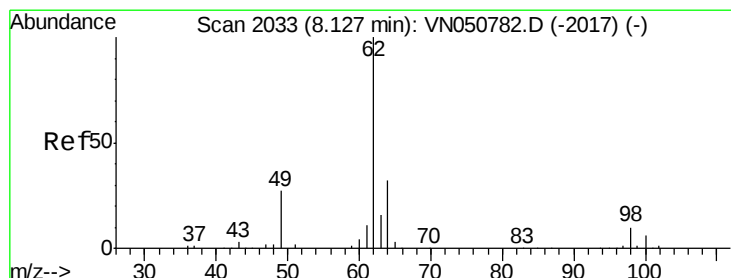
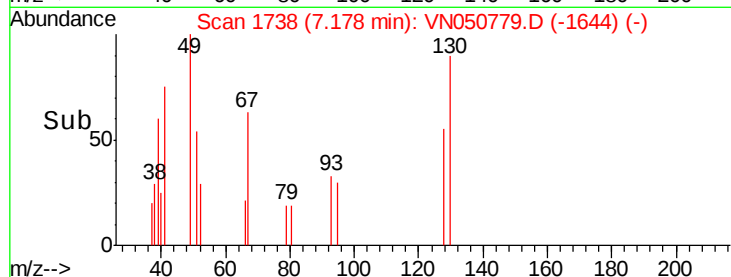
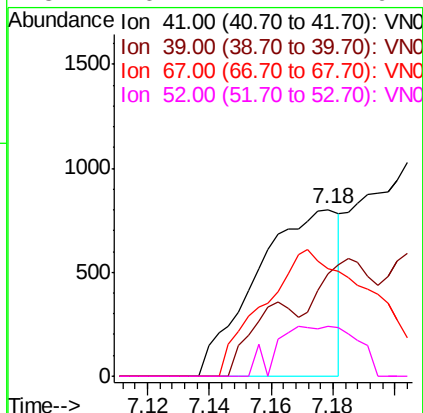
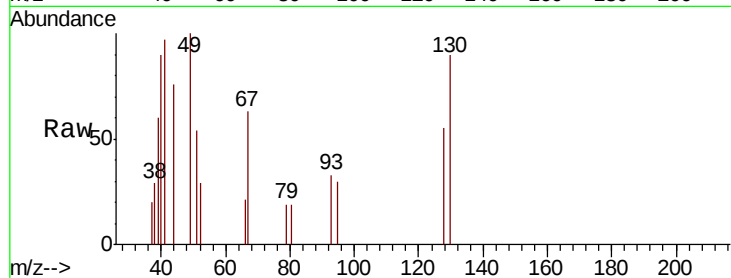




#41
Methacrylonitrile
Concen: 0.564 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

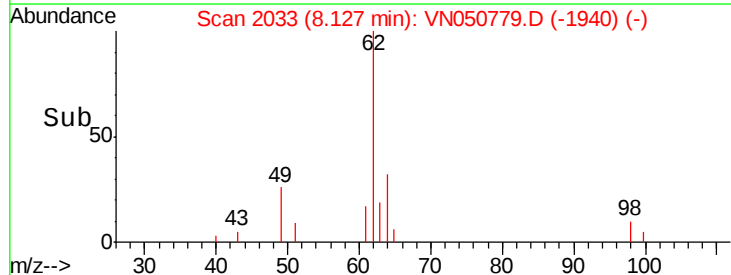
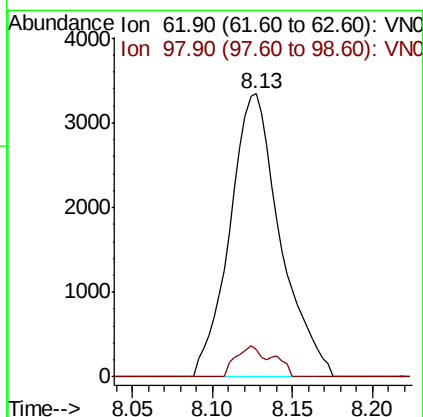
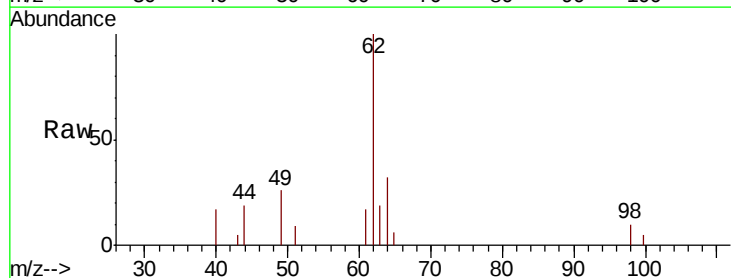
Instrument :
MSVOA_N
ClientSampled :
VSTDICC

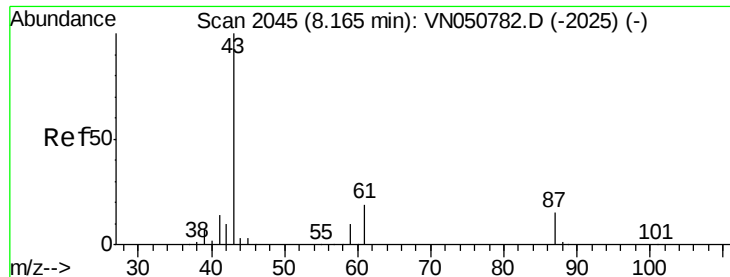
Tot Ion: 41 Resp: 1477
Ion Ratio Lower Upper
41 100
39 49.4 45.4 68.0
67 100.6 70.6 106.0
52 16.2 27.1 40.7#



#42
1,2-Dichloroethane
Concen: 0.889 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion: 62 Resp: 7209
Ion Ratio Lower Upper
62 100
98 5.6 0.0 19.6

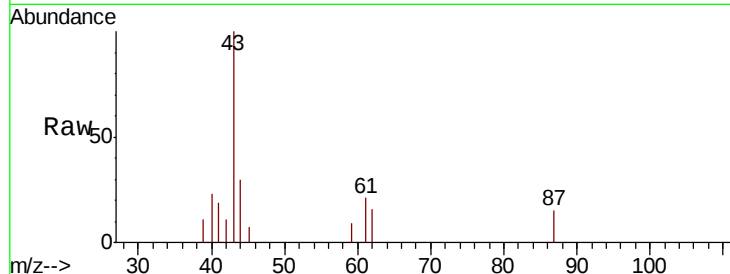




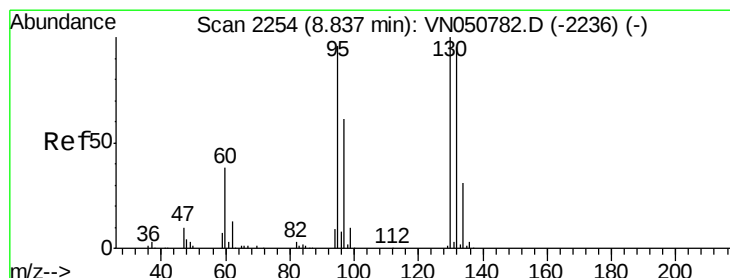
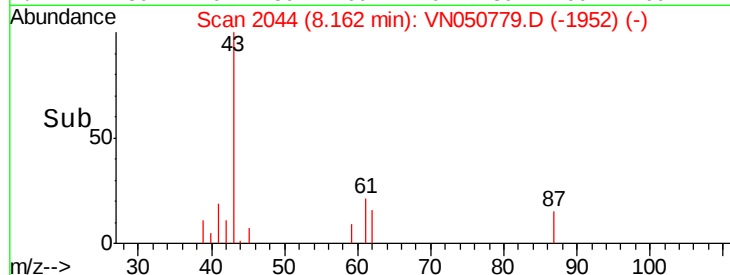
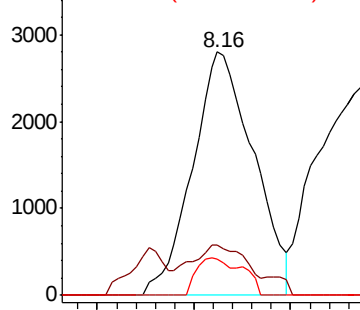
#43
Isopropyl Acetate
Concen: 0.693 ug/l
RT: 8.16 min Scan# 2044
Delta R.T. -0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC

Tot Ion	43	Resp	6155
Ion Ratio	Lower	Upper	
43	100		
61	21.3	17.5	26.3
87	11.5	11.3	16.9

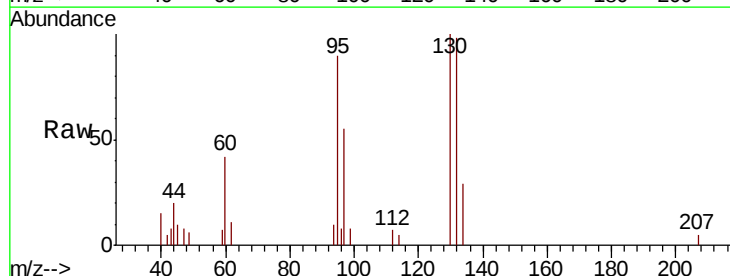


Abundance Ion 43.00 (42.70 to 43.70): VN050779.D (-1952) (-)

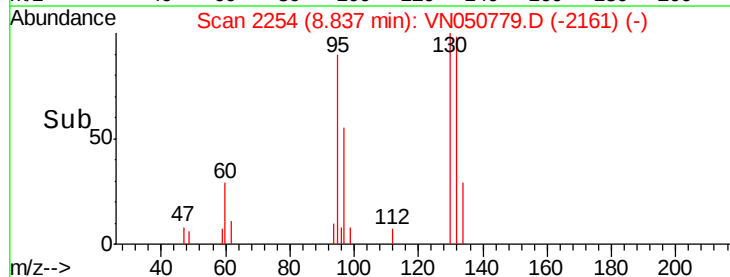
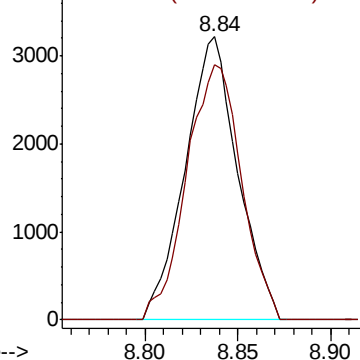


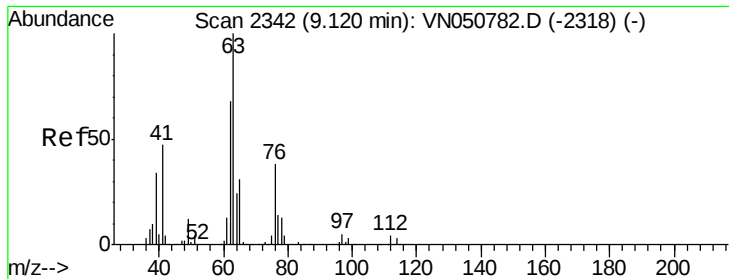
#44
Trichloroethene
Concen: 0.888 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion	130	Resp	6355
Ion Ratio	Lower	Upper	
130	100		
95	90.1	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050779.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 0.813 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

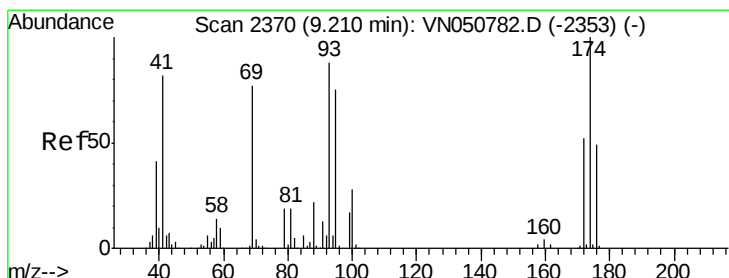
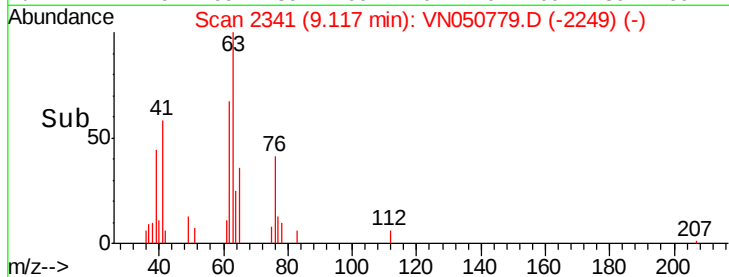
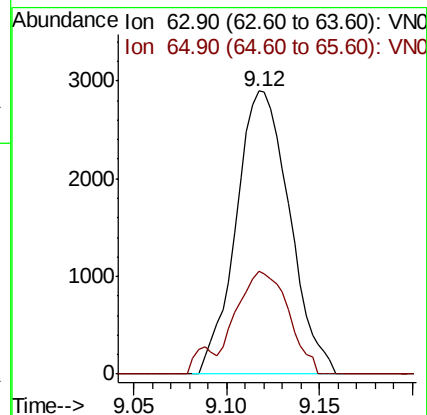
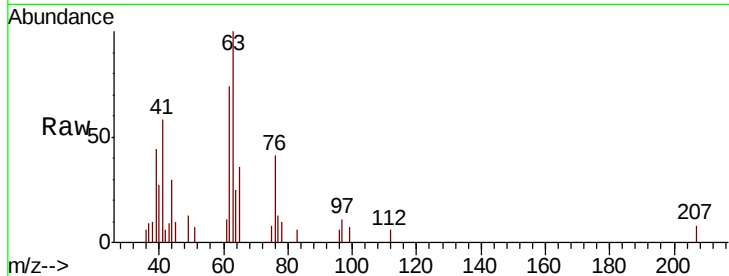
VSTDICC

Tot Ion: 63 Resp: 5794

Ion Ratio Lower Upper

63 100

65 36.2 25.0 37.6



#46

Dibromomethane

Concen: 0.827 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

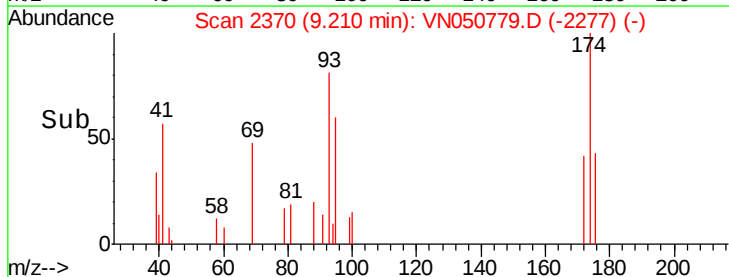
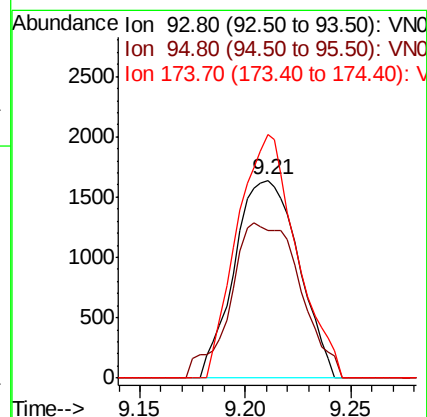
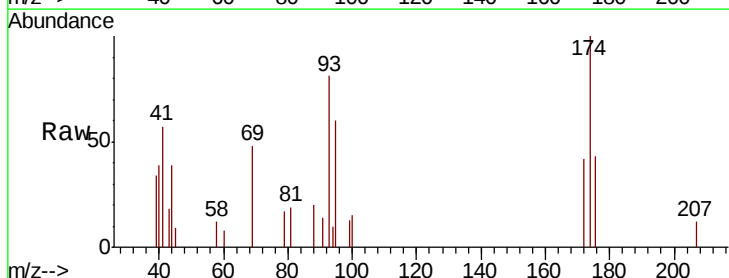
Tgt Ion: 93 Resp: 3463

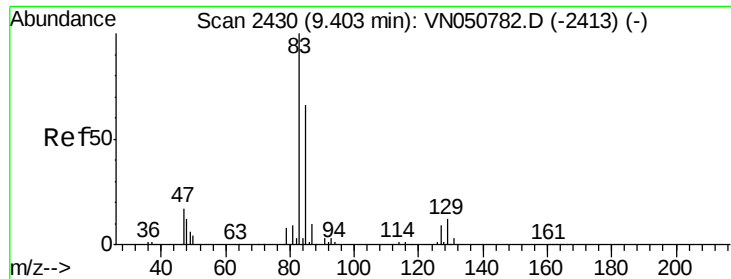
Ion Ratio Lower Upper

93 100

95 84.9 66.7 100.1

174 113.7 89.8 134.6





#47

Bromodichloromethane

Concen: 0.892 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC

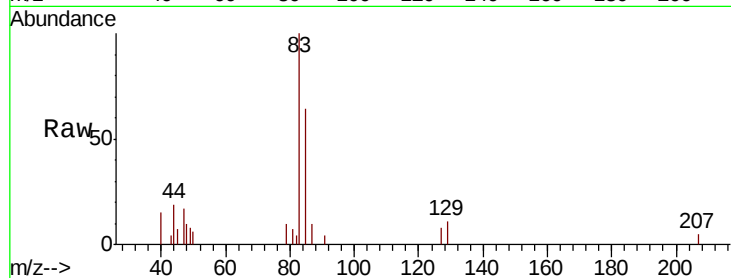
Tot Ion: 83 Resp: 7822

Ion Ratio Lower Upper

83 100

85 64.0 52.6 78.8

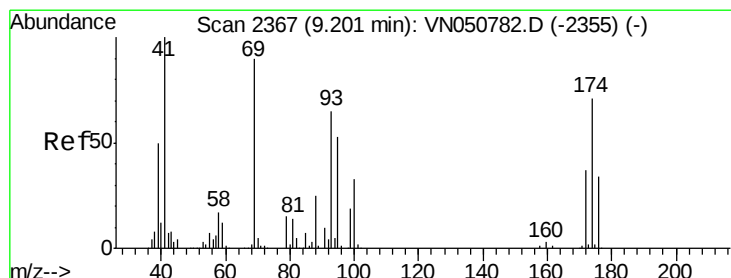
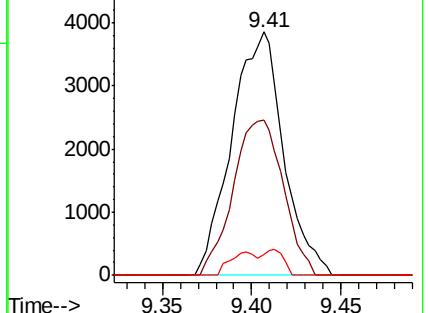
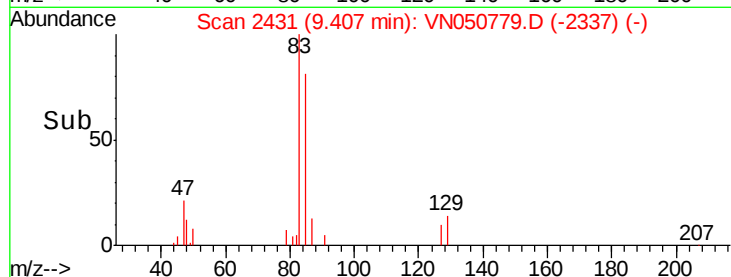
127 8.3 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050779.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050779.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050779.D (-2337) (-)



#48

Methyl methacrylate

Concen: 0.692 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

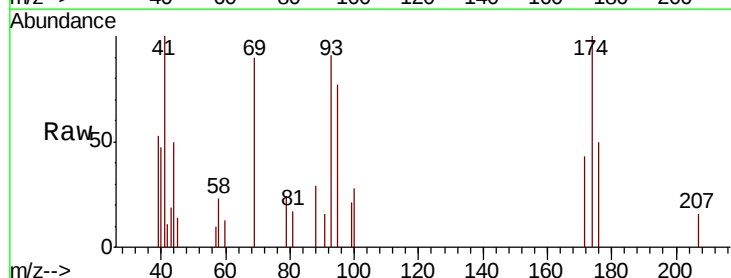
Tgt Ion: 41 Resp: 3134

Ion Ratio Lower Upper

41 100

69 85.0 74.7 112.1

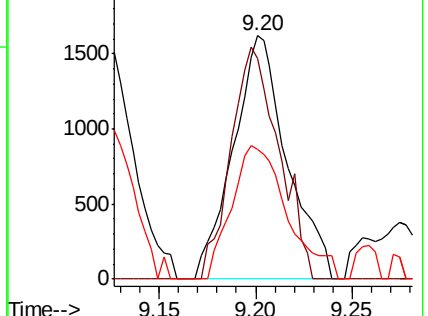
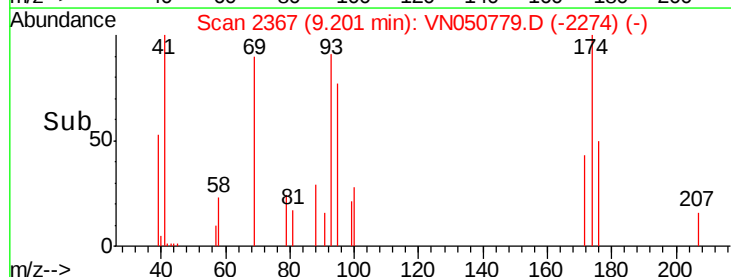
39 56.6 42.2 63.2

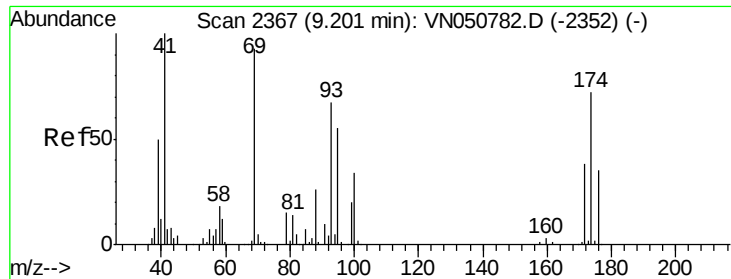


Abundance Ion 41.00 (40.70 to 41.70): VN050779.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050779.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050779.D (-2274) (-)

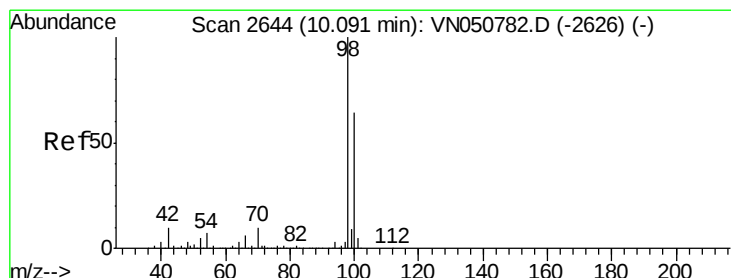
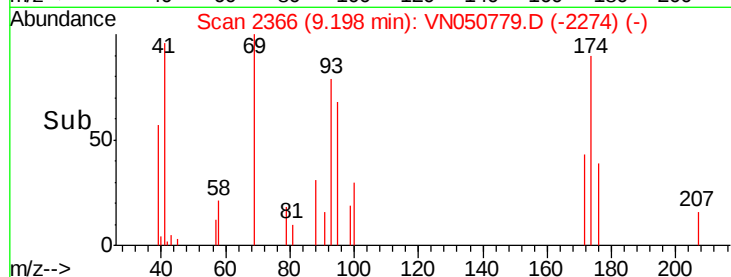
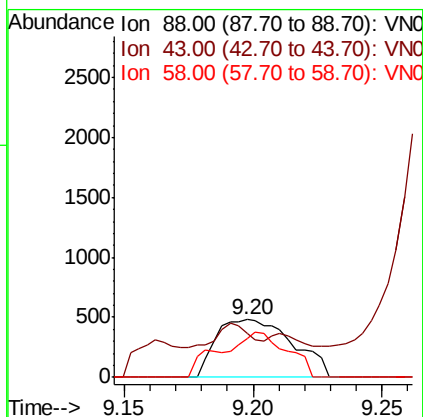
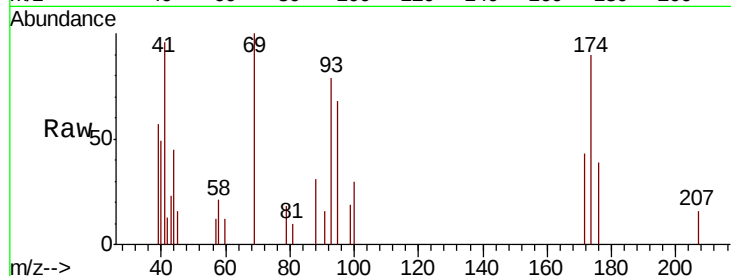




#49
 1,4-Dioxane
 Concen: 16.137 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

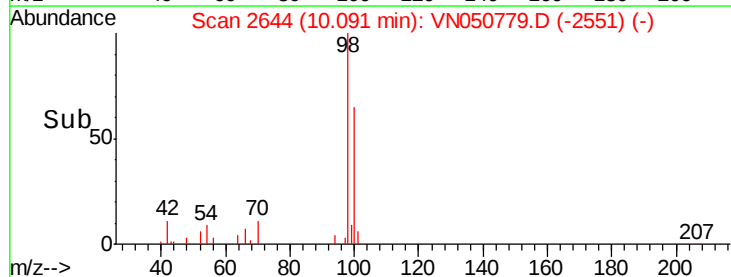
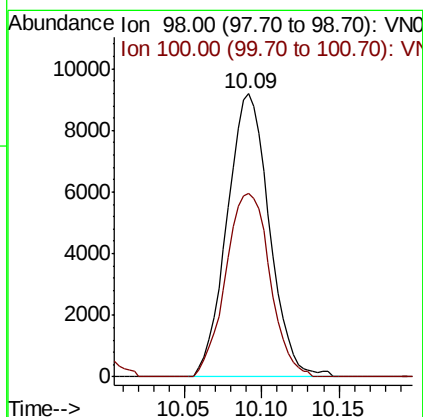
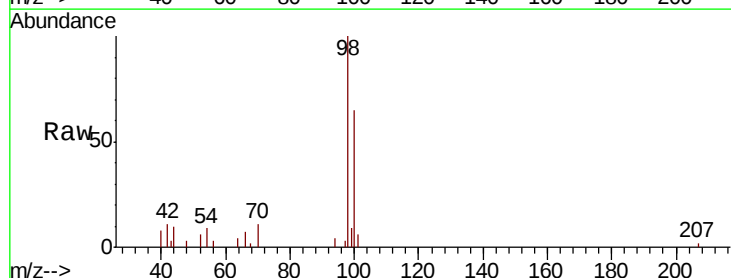
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC

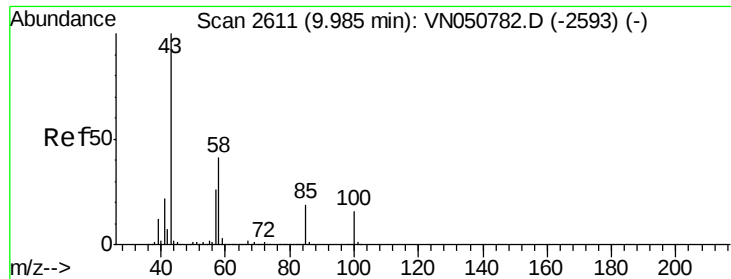
Tot Ion: 88 Resp: 996
 Ion Ratio Lower Upper
 88 100
 43 21.0 25.9 38.9#
 58 67.6 55.0 82.4



#50
 Toluene-d8
 Concen: 0.769 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion: 98 Resp: 17443
 Ion Ratio Lower Upper
 98 100
 100 67.7 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 3.931 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

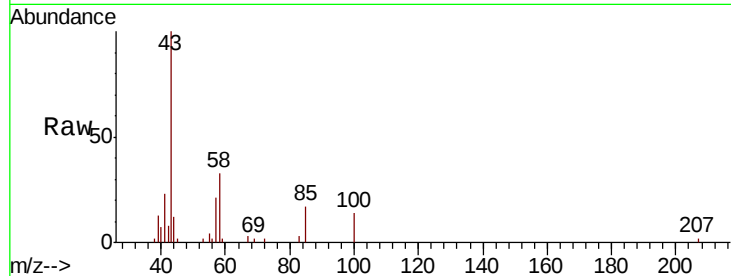
VSTDICC

Tot Ion: 43 Resp: 20839

Ion Ratio Lower Upper

43 100

58 34.2 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2593) (-)

Ion 58.00 (57.70 to 58.70): VN050782.D (-2593) (-)

9.99

12000

10000

8000

6000

4000

2000

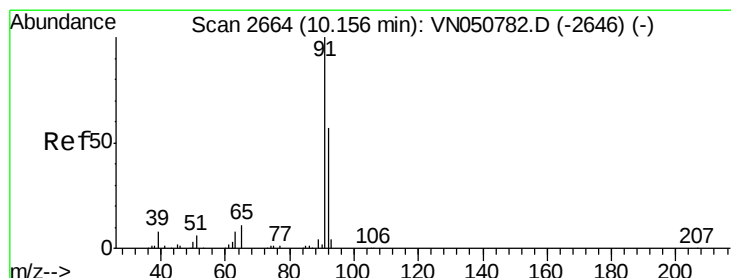
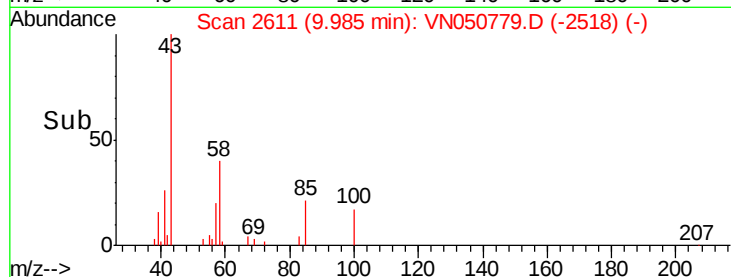
0

Time-->

9.90

10.00

10.10



#52

Toluene

Concen: 0.727 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050779.D

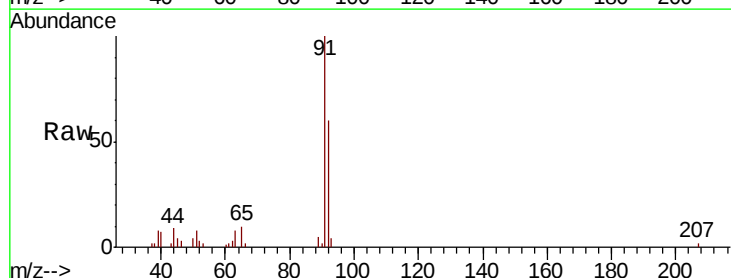
Acq: 21 Aug 2018 9:56

Tgt Ion: 92 Resp: 11687

Ion Ratio Lower Upper

92 100

91 169.0 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN050782.D (-2646) (-)

Ion 91.00 (90.70 to 91.70): VN050782.D (-2646) (-)

10.16

12000

10000

8000

6000

4000

2000

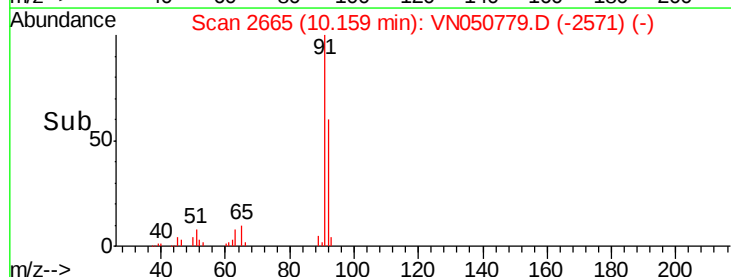
0

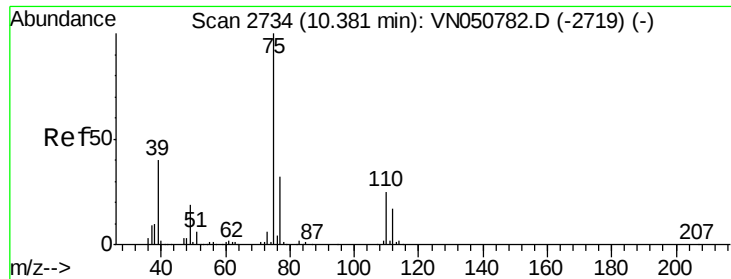
Time-->

10.10

10.15

10.20





#53

t-1,3-Dichloropropene

Concen: 0.669 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

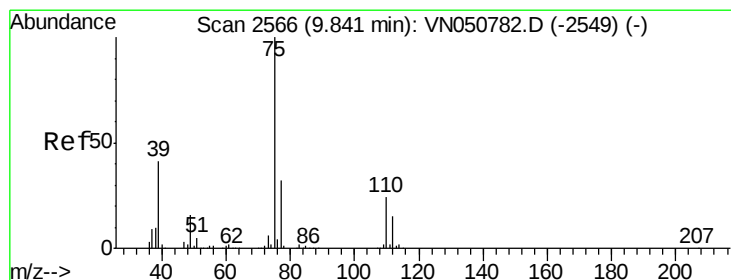
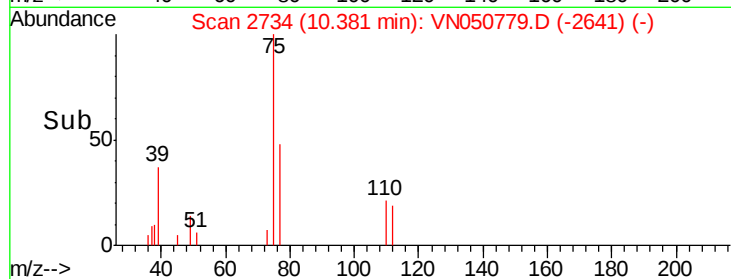
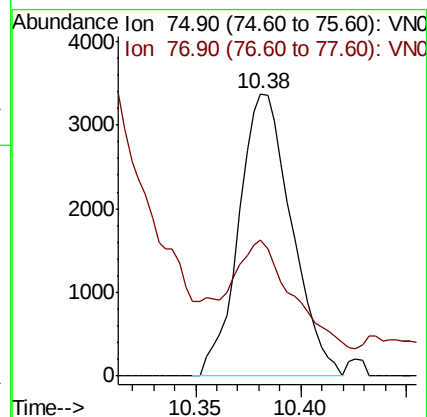
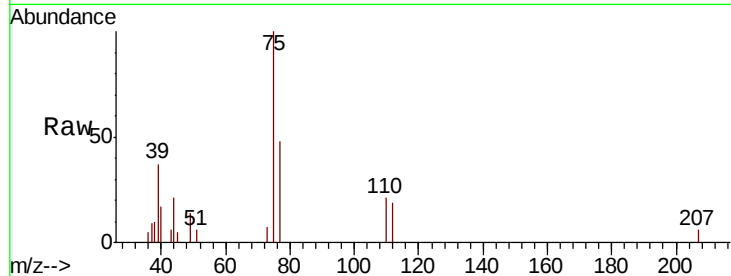
VSTDICC

Tot Ion: 75 Resp: 5845

Ion Ratio Lower Upper

75 100

77 35.8 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 0.714 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

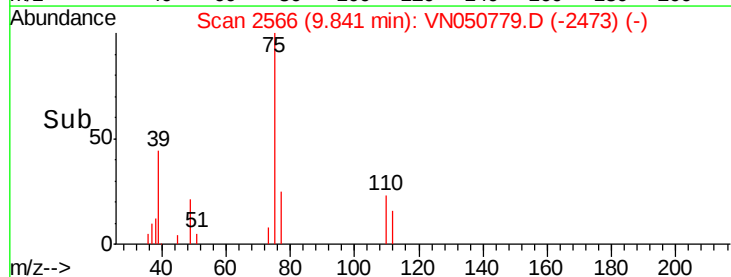
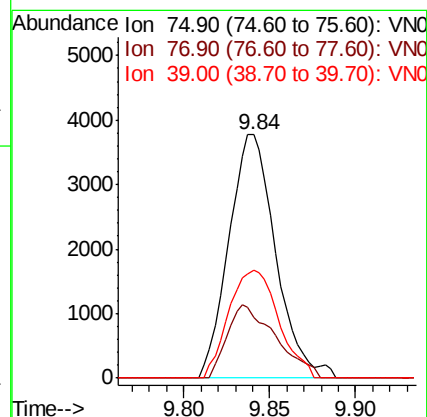
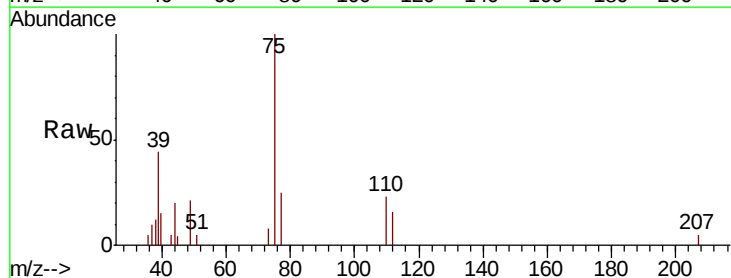
Tgt Ion: 75 Resp: 7137

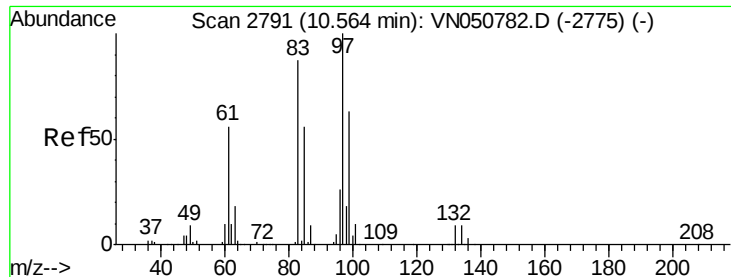
Ion Ratio Lower Upper

75 100

77 25.0 25.4 38.2#

39 44.3 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 0.866 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VSTDICC

Tot Ion: 97 Resp: 5166

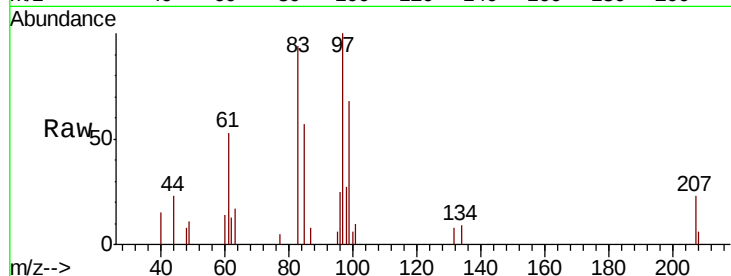
Ion Ratio Lower Upper

97 100

83 94.2 69.7 104.5

85 56.6 44.5 66.7

99 68.4 50.7 76.1



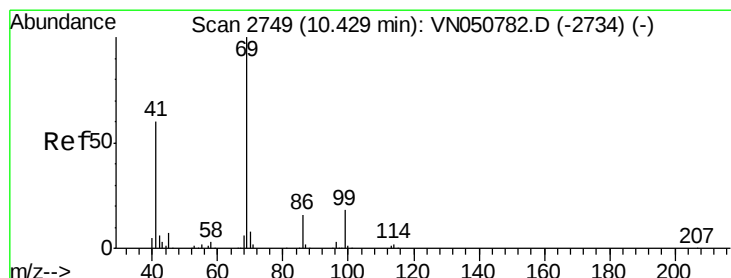
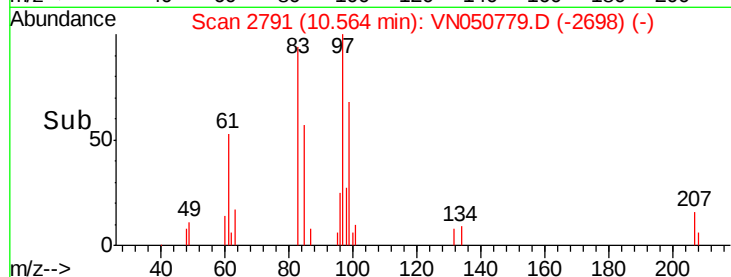
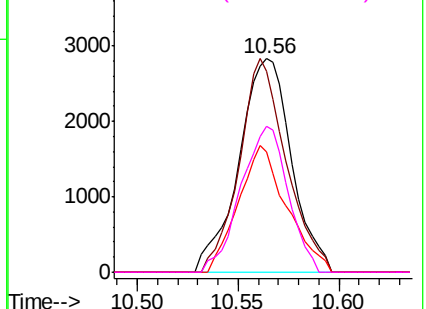
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.570 ug/l

RT: 10.43 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

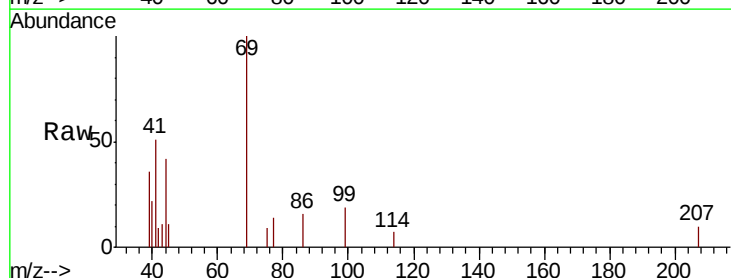
Tgt Ion: 69 Resp: 3858

Ion Ratio Lower Upper

69 100

41 61.4 48.3 72.5

39 35.4 24.0 36.0

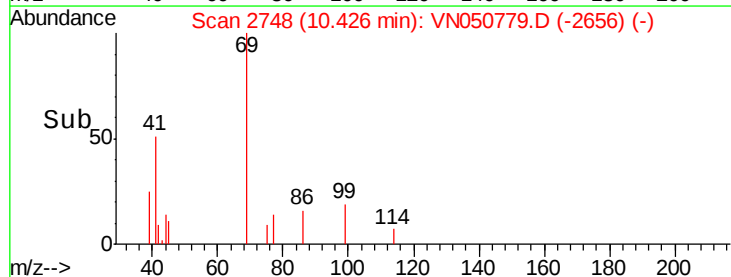
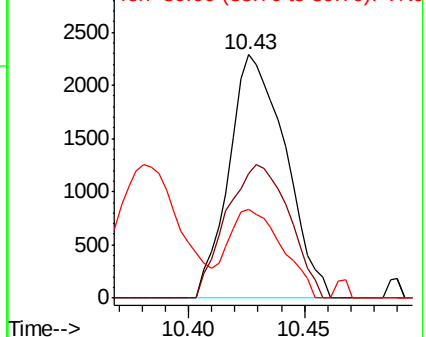


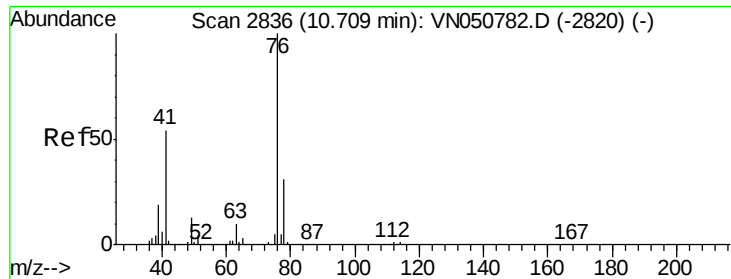
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

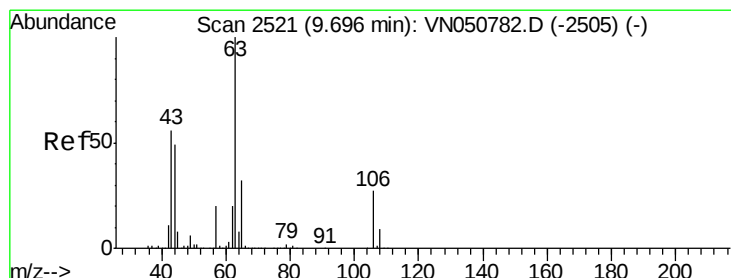
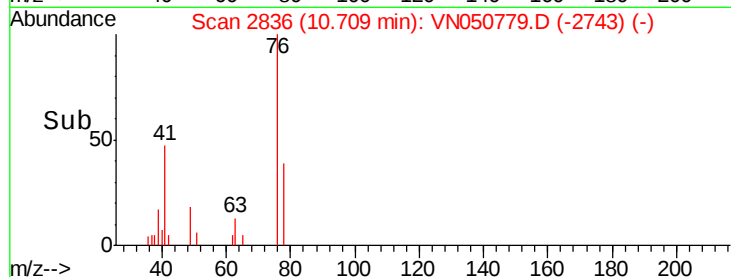
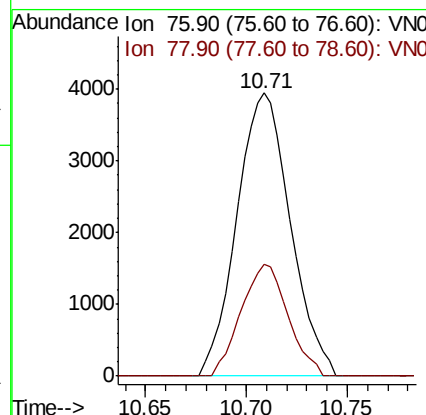
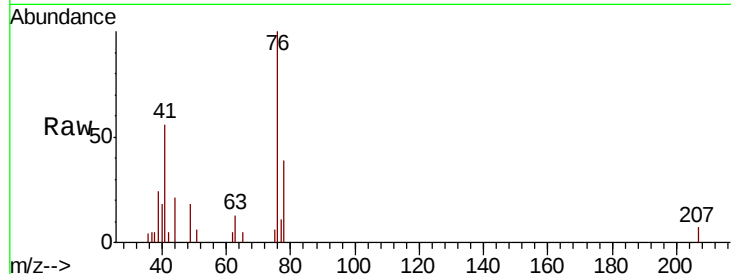




#57
 1,3-Dichloropropane
 Concen: 0.743 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

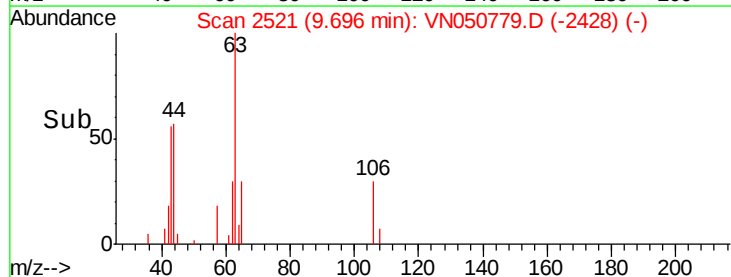
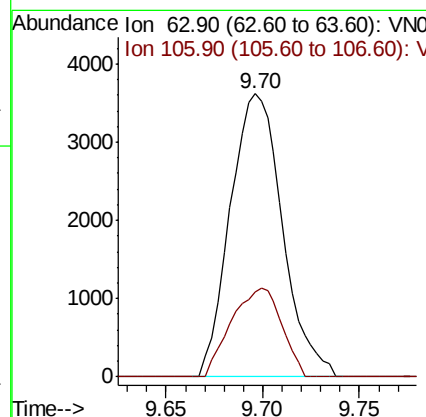
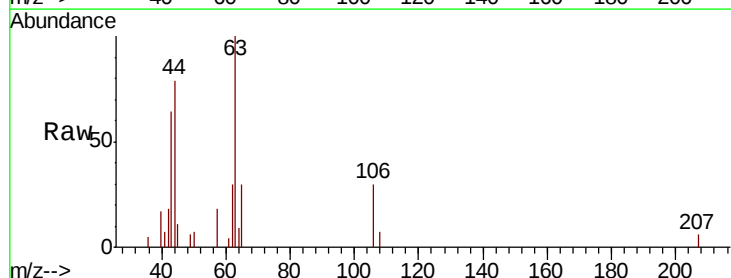
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC

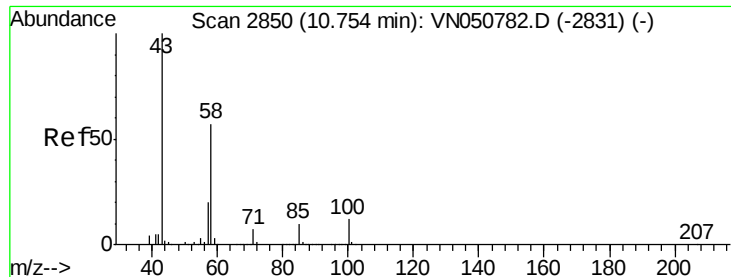
Tot Ion: 76 Resp: 7318
 Ion Ratio Lower Upper
 76 100
 78 34.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.353 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion: 63 Resp: 6797
 Ion Ratio Lower Upper
 63 100
 106 30.2 21.9 32.9

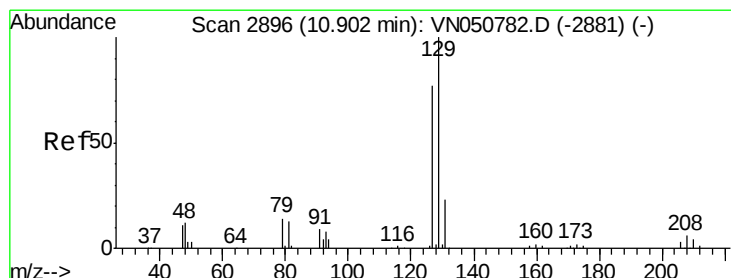
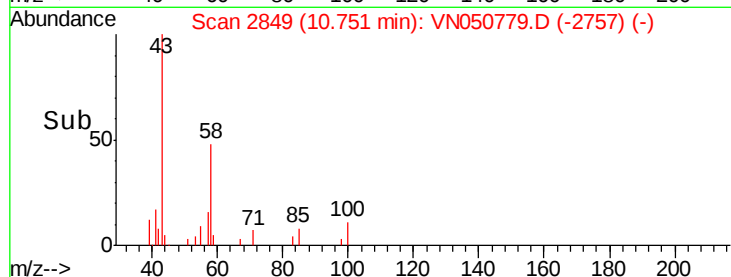
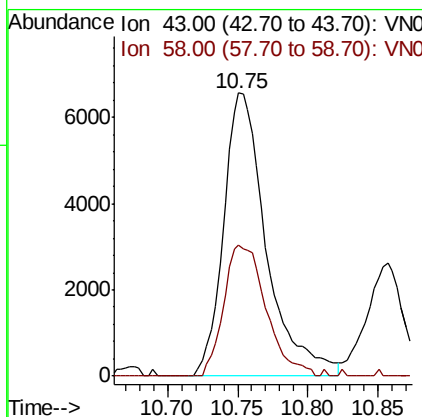
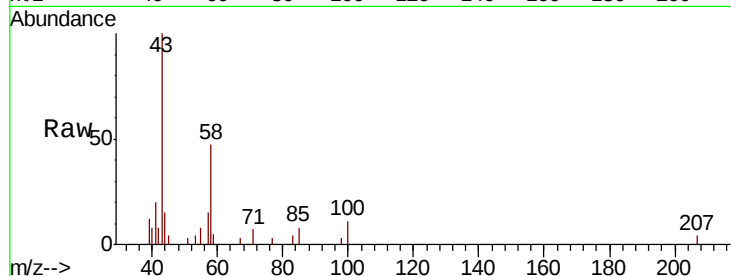




#59
2-Hexanone
Concen: 3.945 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

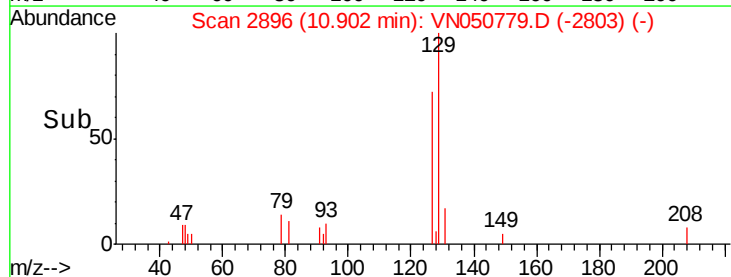
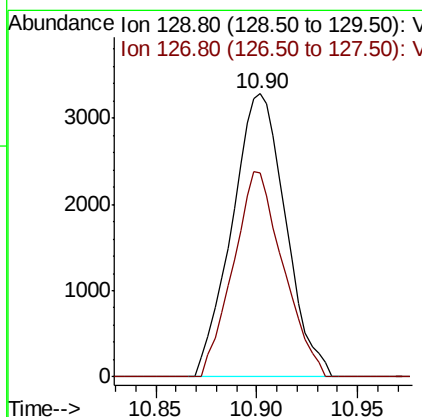
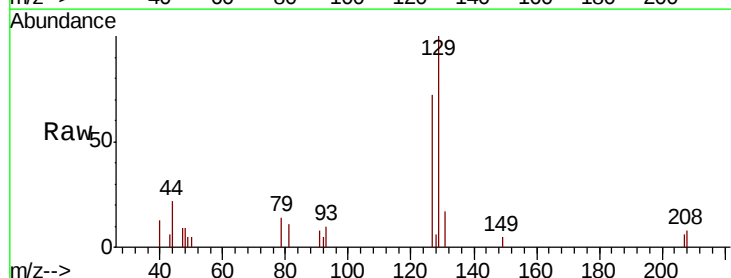
Instrument :
MSVOA_N
ClientSampled :
VSTDICC

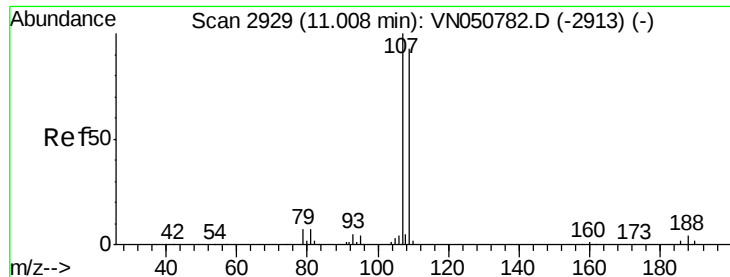
Tot Ion: 43 Resp: 13924
Ion Ratio Lower Upper
43 100
58 45.7 28.3 85.0



#60
Dibromochloromethane
Concen: 0.913 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion: 129 Resp: 6096
Ion Ratio Lower Upper
129 100
127 67.5 38.3 114.9

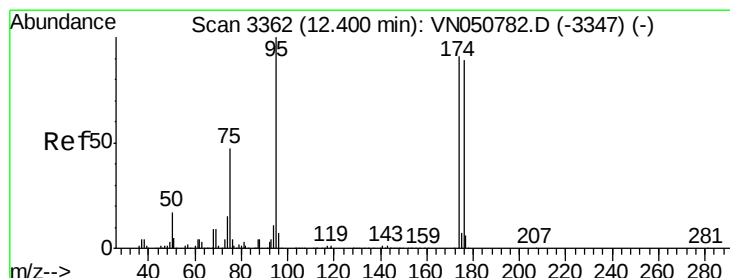
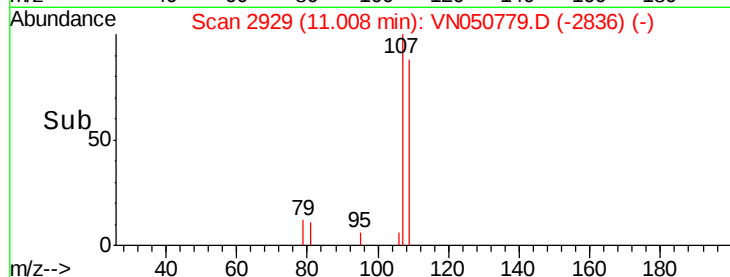
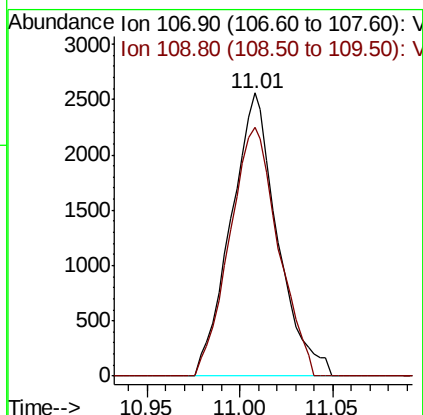
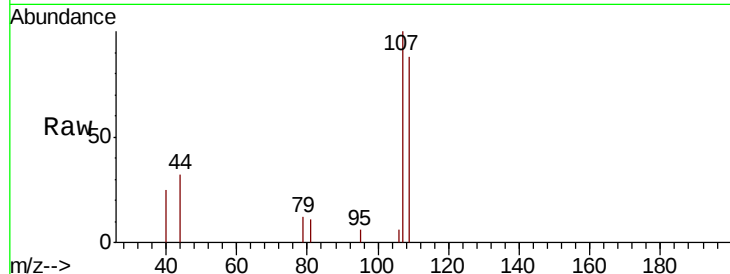




#61
 1,2-Dibromoethane
 Concen: 0.772 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

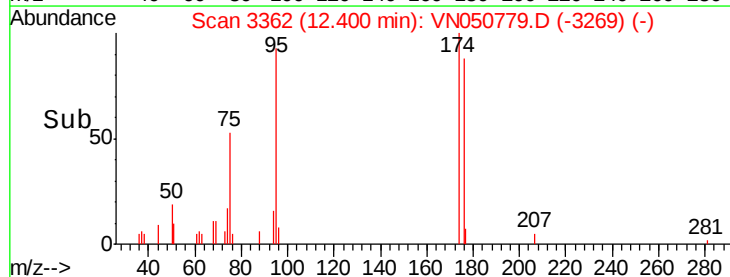
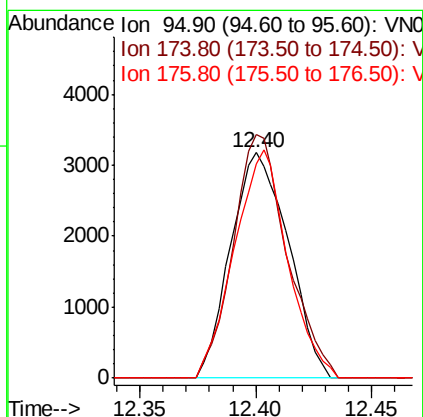
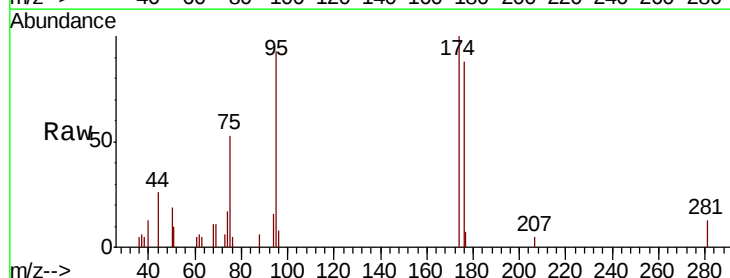
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC

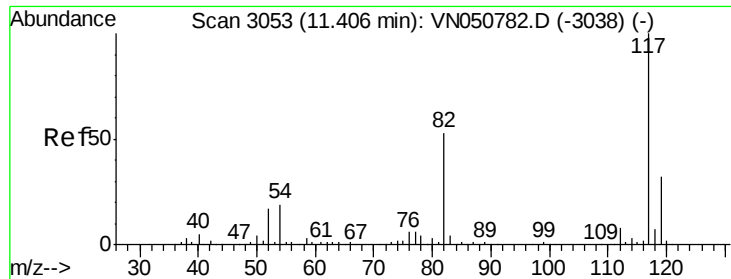
Tot Ion: 107 Resp: 4453
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 0.727 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion: 95 Resp: 5479
 Ion Ratio Lower Upper
 95 100
 174 101.4 0.0 183.0
 176 93.6 0.0 178.8

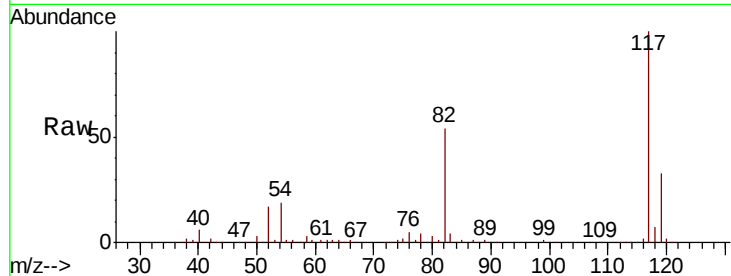




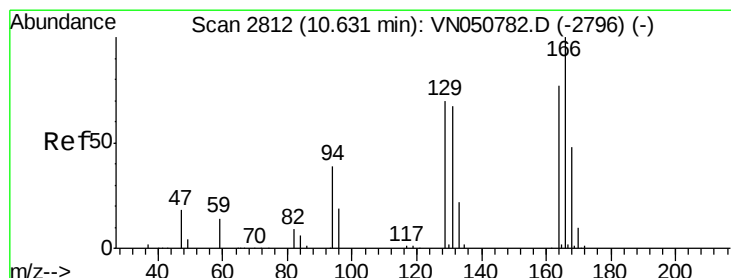
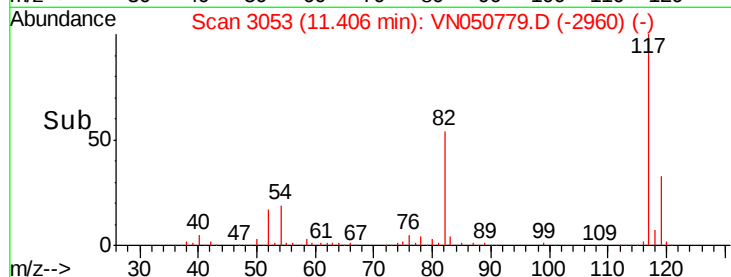
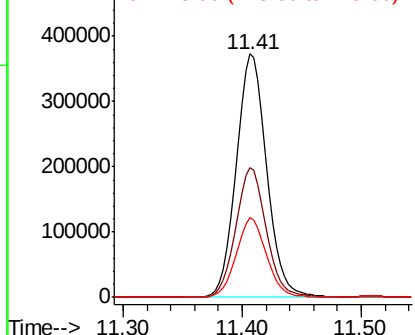
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDICC

Tot Ion:117 Resp: 659840
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 32.5 25.8 38.6

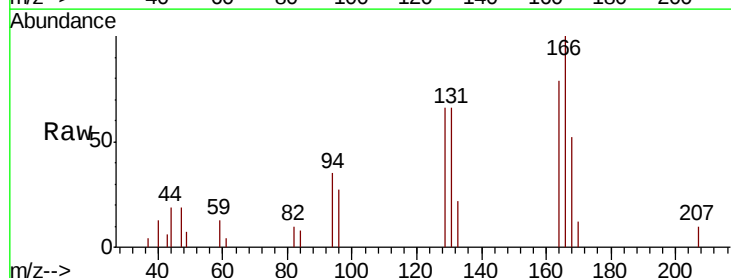


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

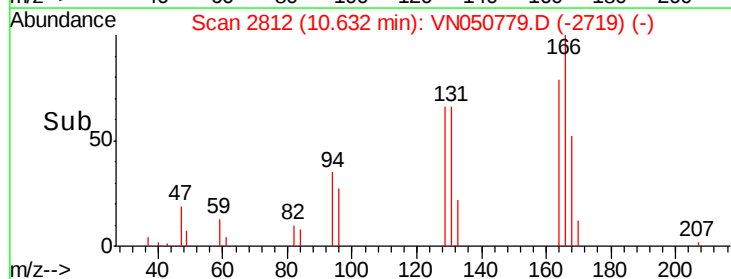
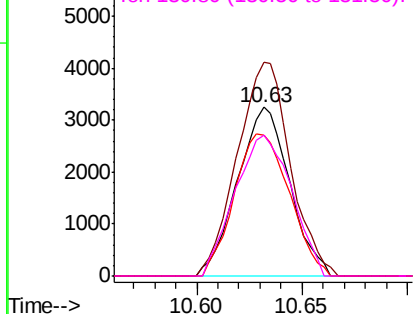


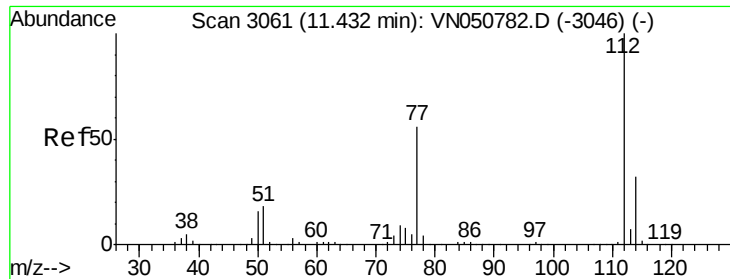
#64
Tetrachloroethene
Concen: 0.889 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion:164 Resp: 5572
Ion Ratio Lower Upper
164 100
166 126.7 103.5 155.3
129 83.8 72.7 109.1
131 83.8 69.5 104.3



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

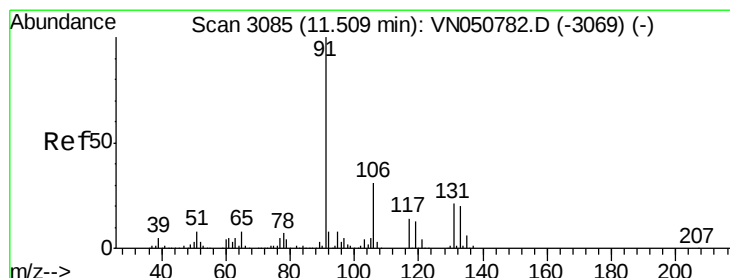
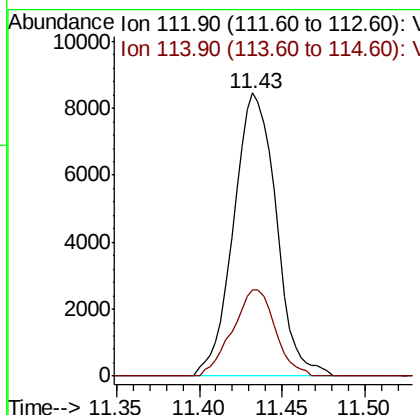
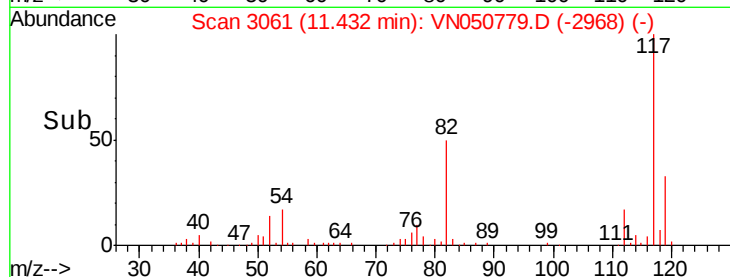
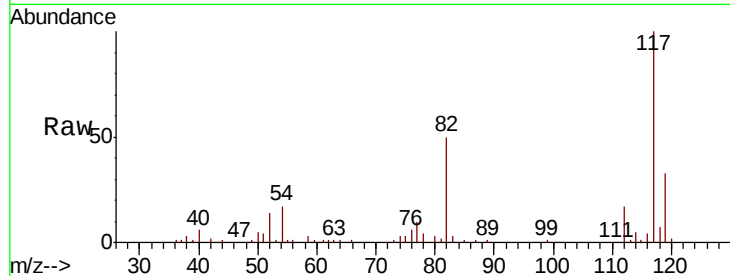




#65
Chlorobenzene
Concen: 0.877 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

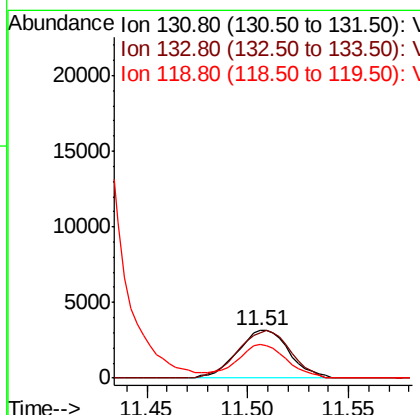
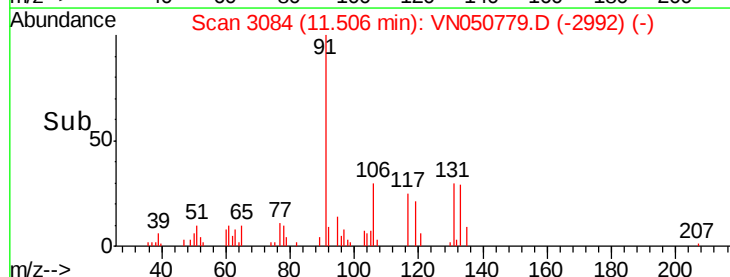
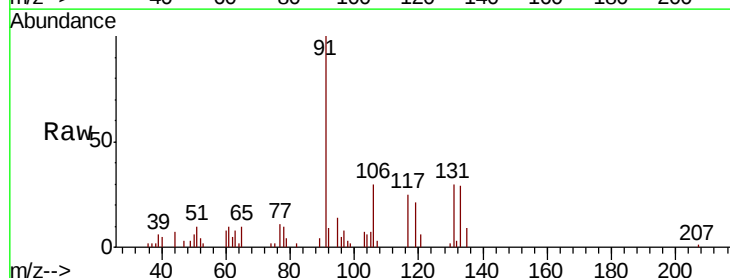
Instrument :
MSVOA_N
ClientSampled :
VSTDICC

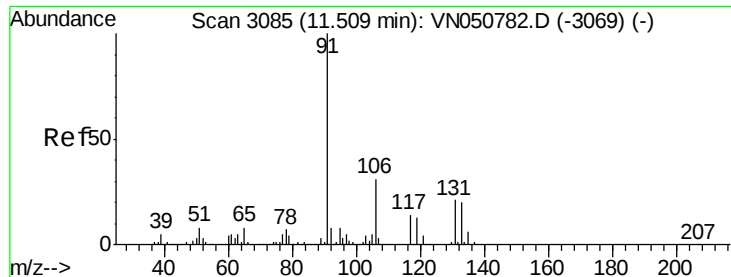
Tot Ion:112 Resp: 15132
Ion Ratio Lower Upper
112 100
114 30.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 0.901 ug/l
RT: 11.51 min Scan# 3084
Delta R.T. -0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion:131 Resp: 5684
Ion Ratio Lower Upper
131 100
133 101.1 47.4 142.3
119 0.0 32.8 98.4#





#67

Ethyl Benzene

Concen: 0.681 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

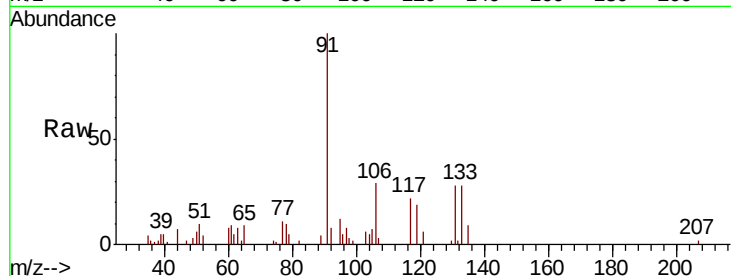
VSTDICC

Tot Ion: 91 Resp: 19104

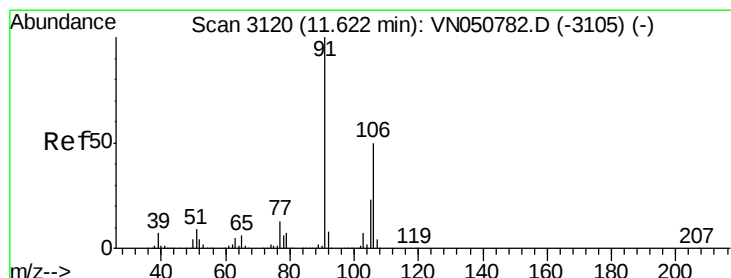
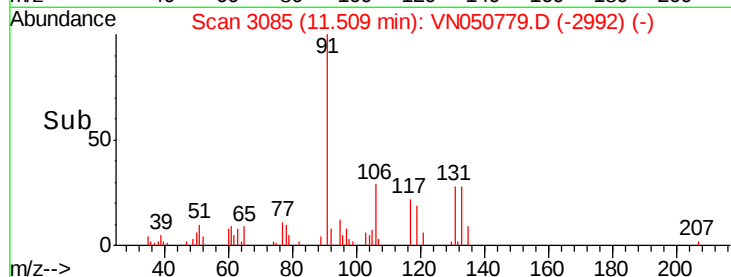
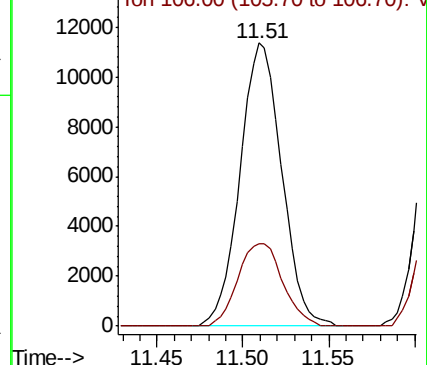
Ion Ratio Lower Upper

91 100

106 29.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3069) (-)



#68

m/p-Xylenes

Concen: 1.367 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050779.D

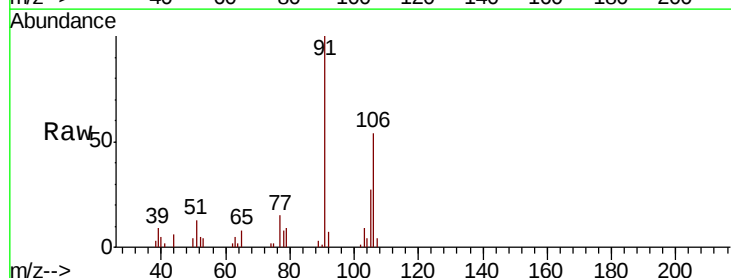
Acq: 21 Aug 2018 9:56

Tgt Ion: 106 Resp: 14550

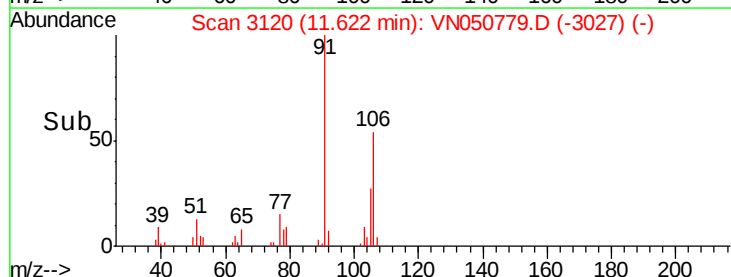
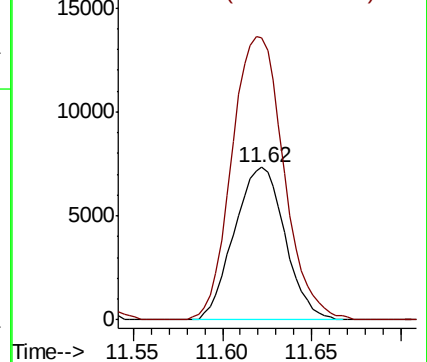
Ion Ratio Lower Upper

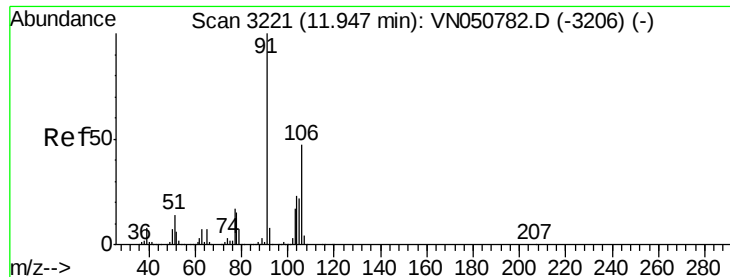
106 100

91 190.0 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): VN050782.D (-3105) (-)

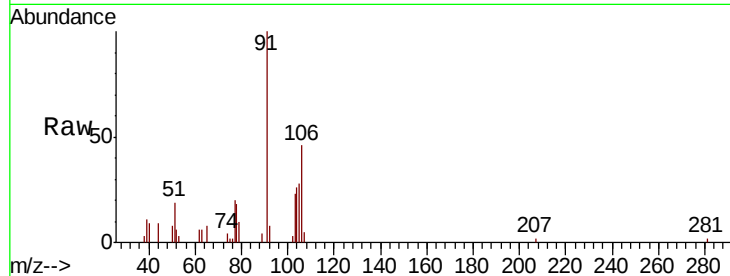




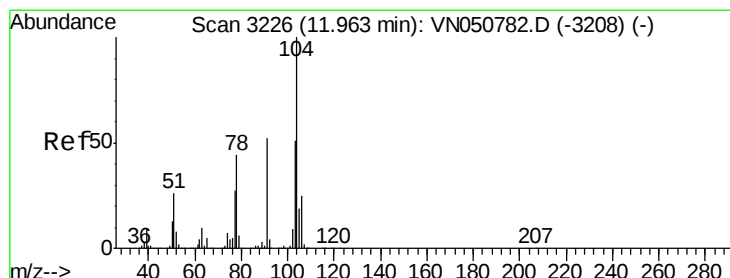
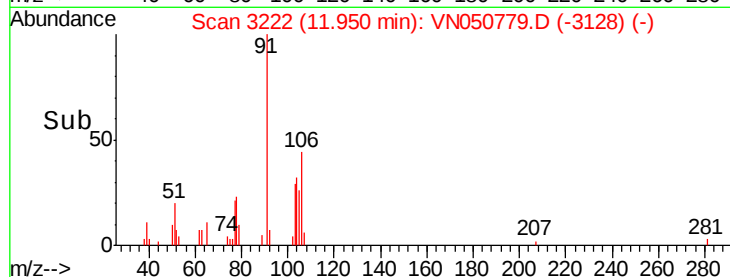
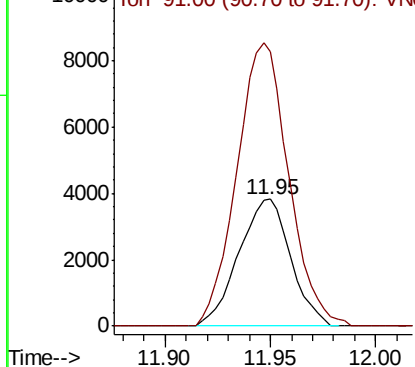
#69
o-Xylene
Concen: 0.638 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDICC

Tot Ion:106 Resp: 6532
Ion Ratio Lower Upper
106 100
91 223.2 106.5 319.5

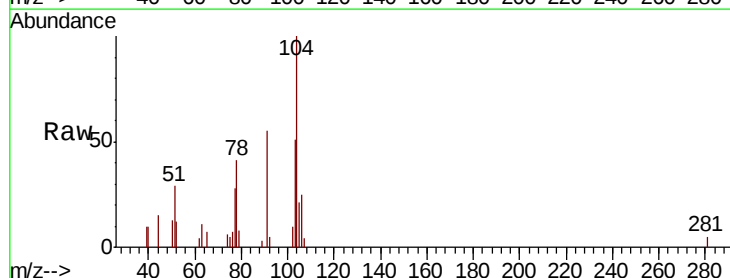


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

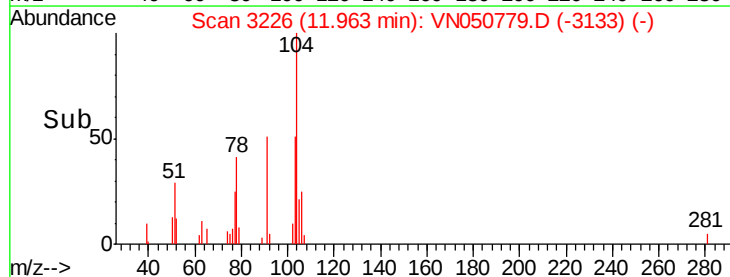
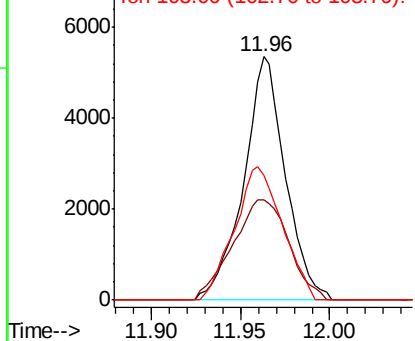


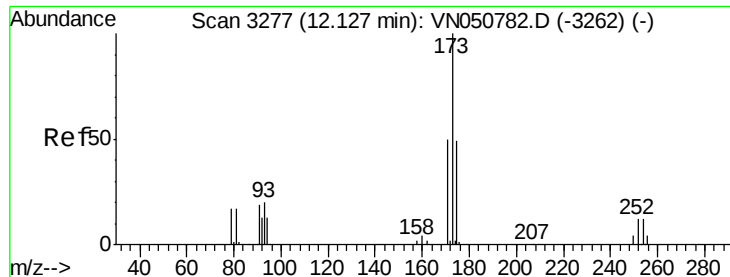
#70
Styrene
Concen: 0.547 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion:104 Resp: 8754
Ion Ratio Lower Upper
104 100
78 55.2 38.2 57.4
103 62.7 44.4 66.6



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





#71

Bromoform

Concen: 0.749 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VSTDICC

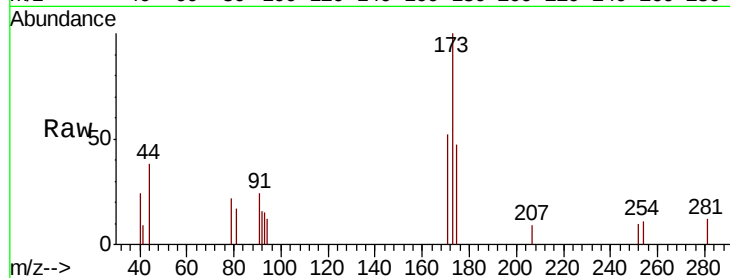
Tot Ion:173 Resp: 3252

Ion Ratio Lower Upper

173 100

175 50.7 24.4 73.4

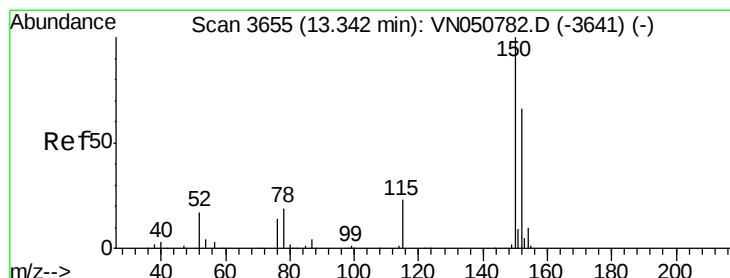
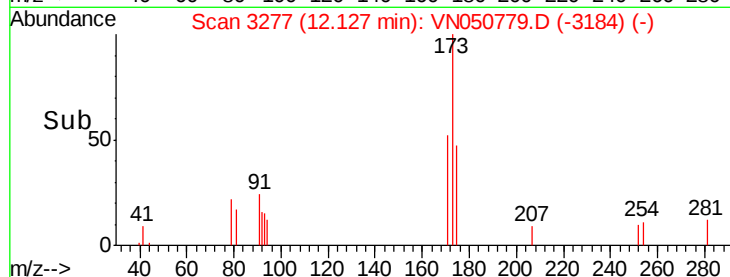
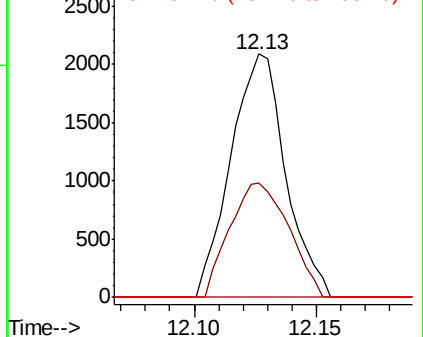
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

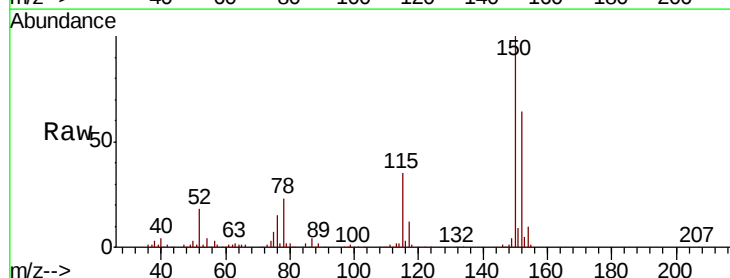
Tgt Ion:152 Resp: 238833

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

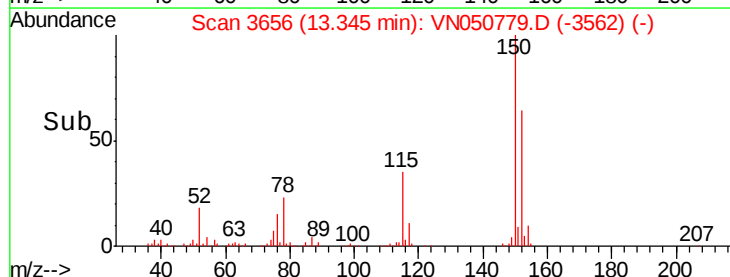
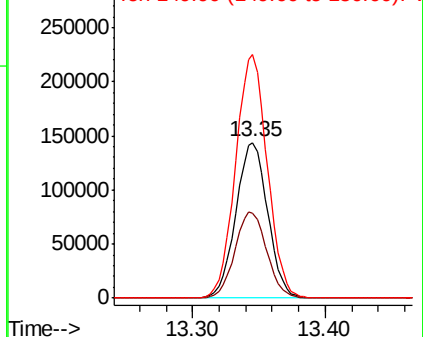
150 156.1 0.0 351.4

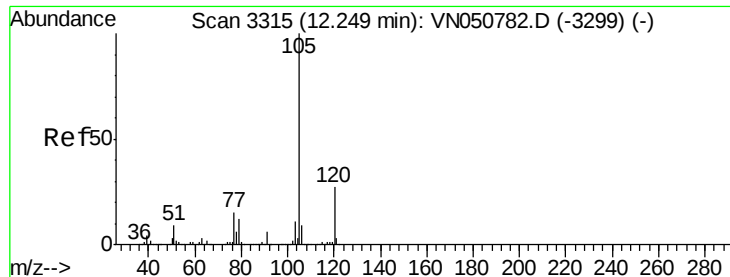


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.802 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

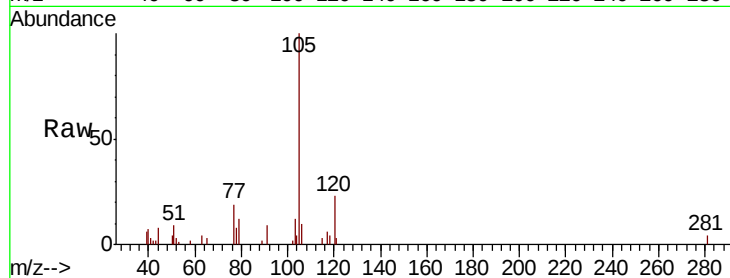
VSTDICC

Tot Ion:105 Resp: 15852

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

4000

2000

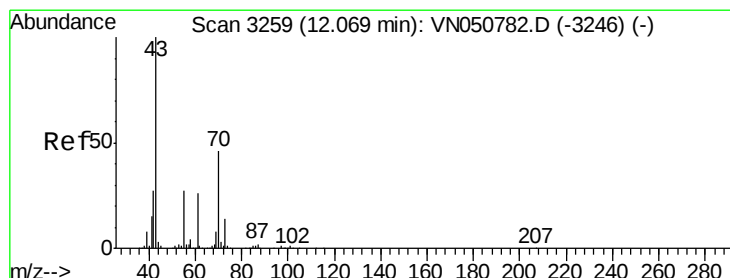
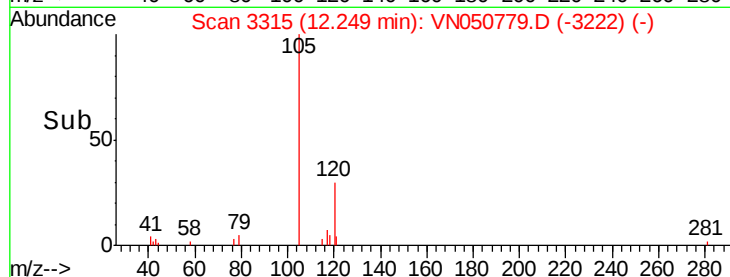
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 0.743 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Tgt Ion: 43 Resp: 3693

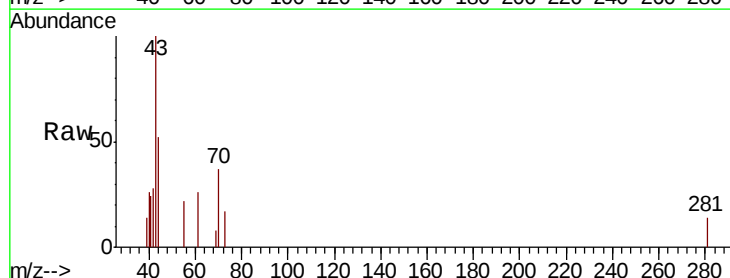
Ion Ratio Lower Upper

43 100

70 36.0 36.2 54.2#

55 19.7 21.8 32.8#

61 18.8 20.5 30.7#



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

2500

2000

1500

1000

500

0

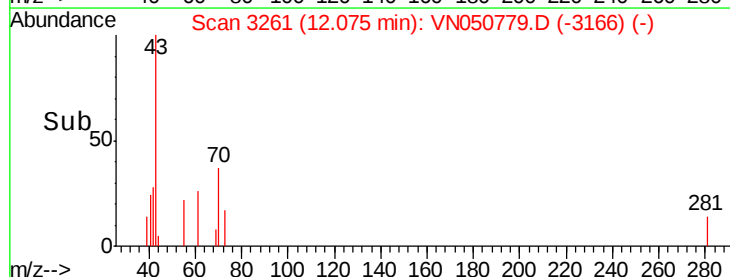
12.00

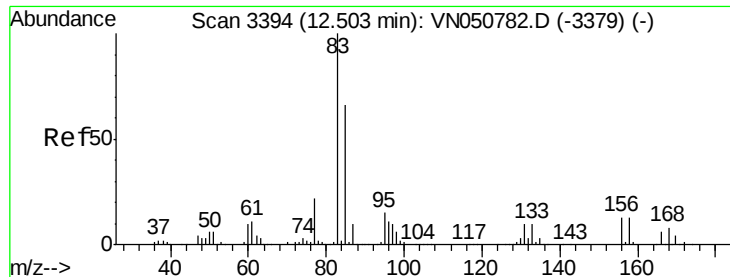
12.05

12.10

12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.037 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC

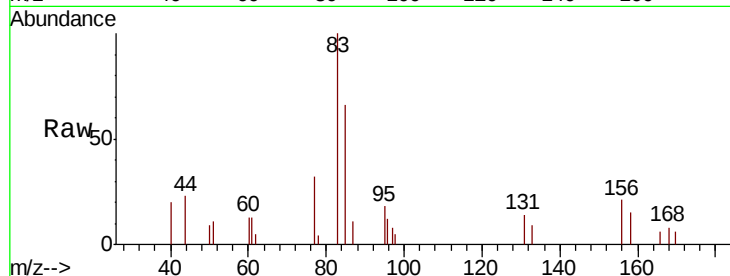
Tot Ion: 83 Resp: 5524

Ion Ratio Lower Upper

83 100

131 14.1 5.3 15.9

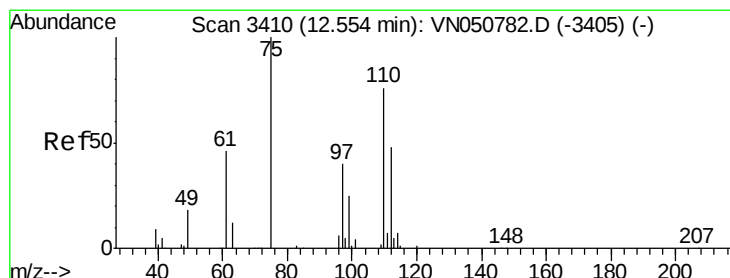
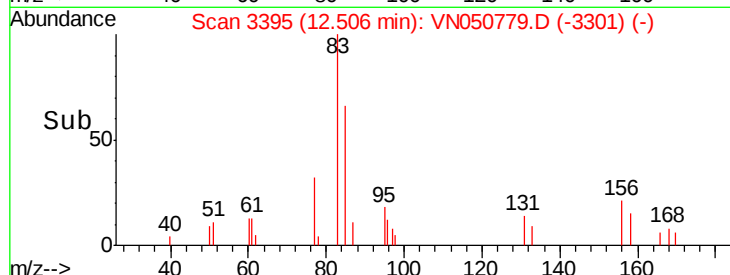
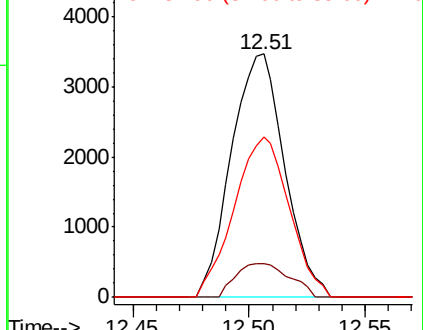
85 68.3 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN050782.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN050782.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 1.480 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050779.D

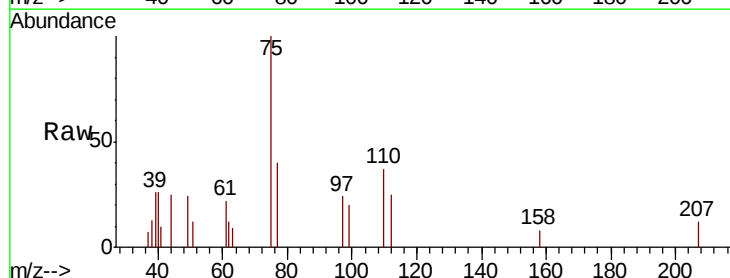
Acq: 21 Aug 2018 9:56

Tgt Ion: 75 Resp: 5992

Ion Ratio Lower Upper

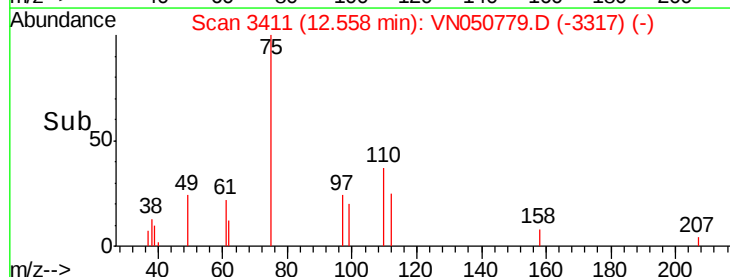
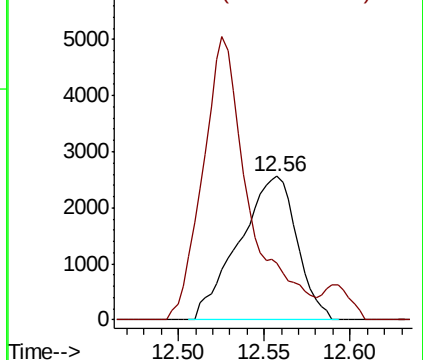
75 100

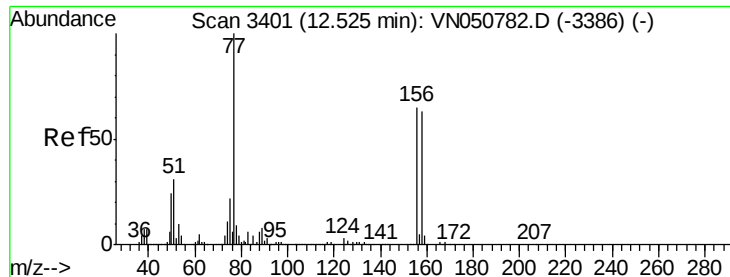
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050782.D (-3405) (-)





#77

Bromobenzene

Concen: 0.960 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC

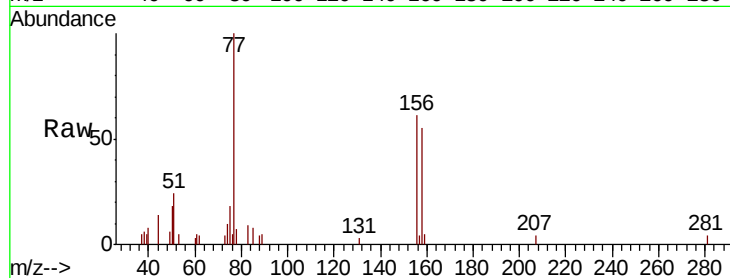
Tot Ion:156 Resp: 5160

Ion Ratio Lower Upper

156 100

77 185.2 89.9 269.7

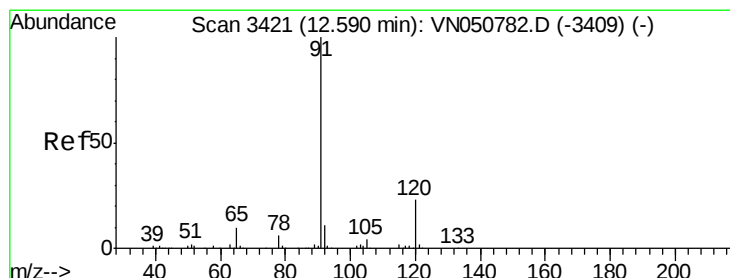
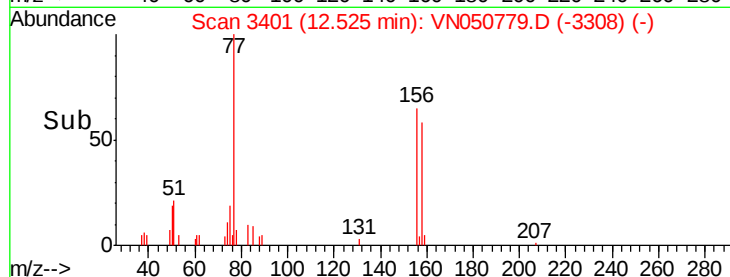
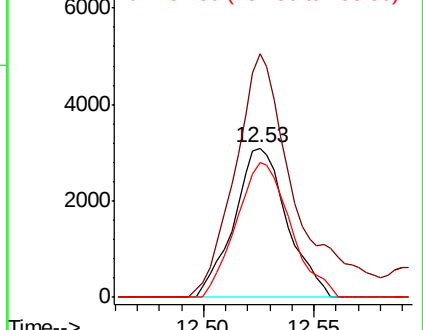
158 92.4 49.3 147.9



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: 0.778 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN050779.D

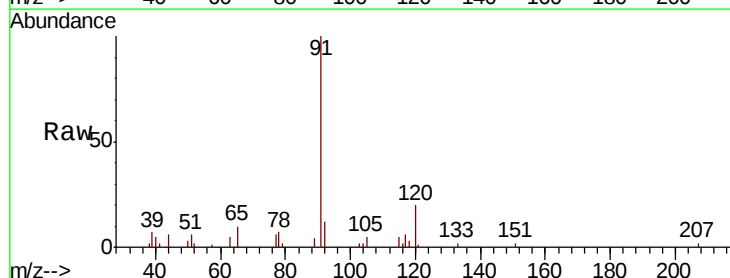
Acq: 21 Aug 2018 9:56

Tgt Ion: 91 Resp: 17198

Ion Ratio Lower Upper

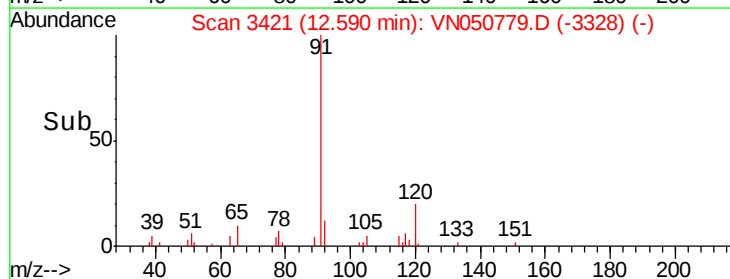
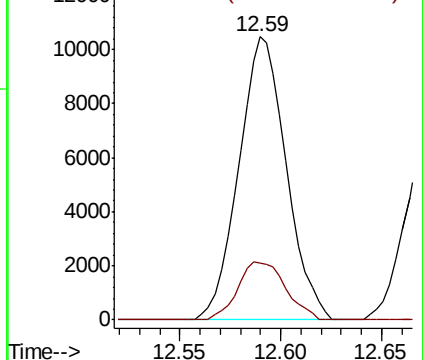
91 100

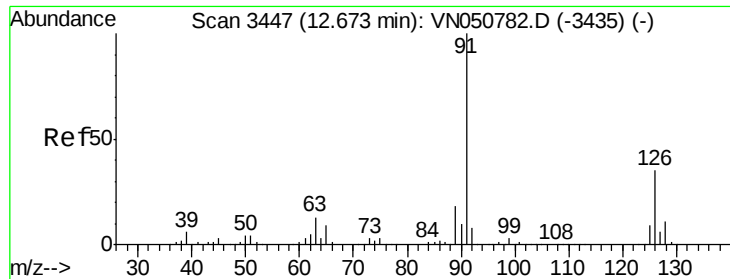
120 20.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.820 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

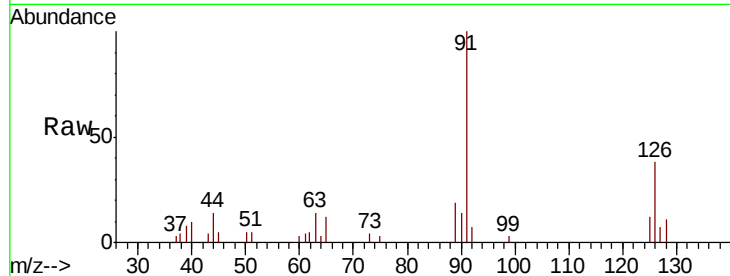
VSTDICC

Tot Ion: 91 Resp: 11285

Ion Ratio Lower Upper

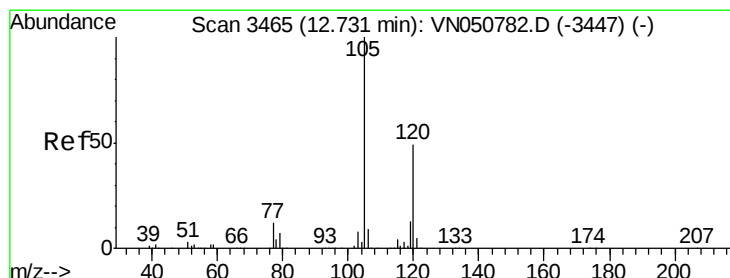
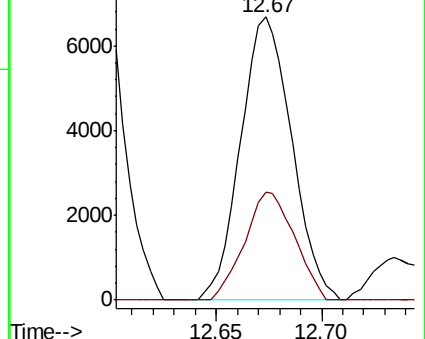
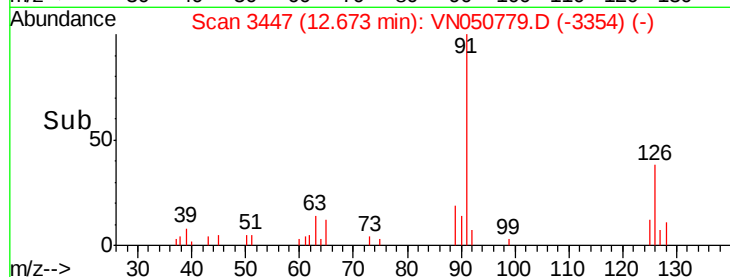
91 100

126 37.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050782.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.687 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN050779.D

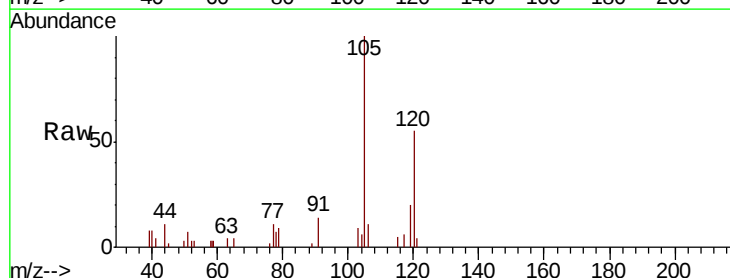
Acq: 21 Aug 2018 9:56

Tgt Ion: 105 Resp: 10968

Ion Ratio Lower Upper

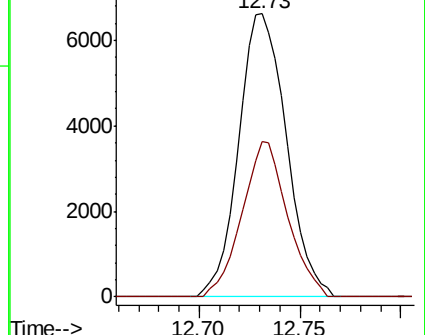
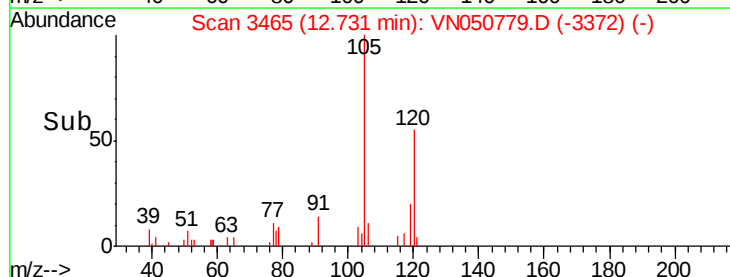
105 100

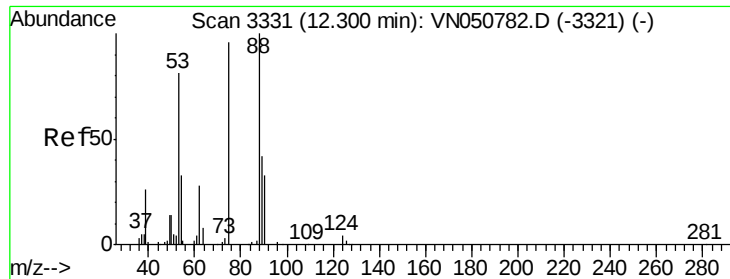
120 52.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050782.D (-3447) (-)

Ion 120.00 (119.70 to 120.70): VN050782.D (-3447) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 0.620 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC

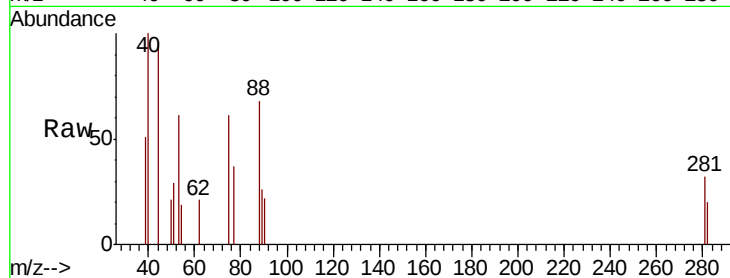
Tot Ion: 75 Resp: 767

Ion Ratio Lower Upper

75 100

53 97.9 68.9 103.3

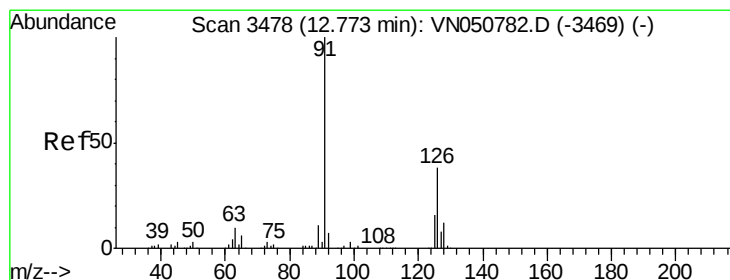
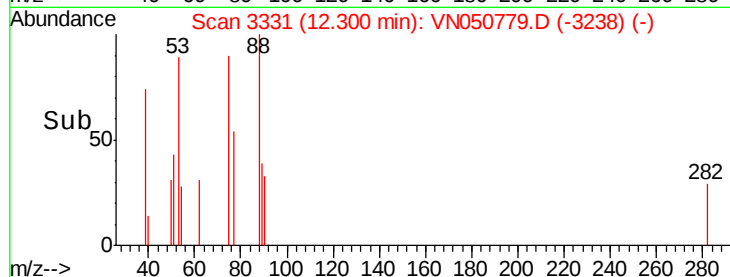
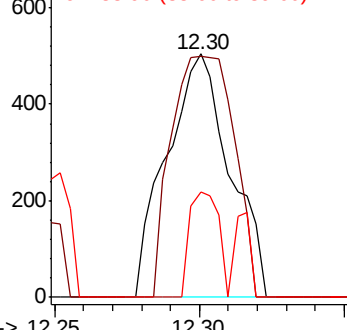
89 19.8 36.1 54.1#



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: 0.736 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050779.D

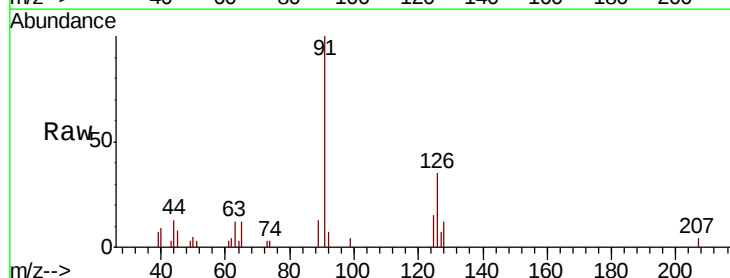
Acq: 21 Aug 2018 9:56

Tgt Ion: 91 Resp: 9995

Ion Ratio Lower Upper

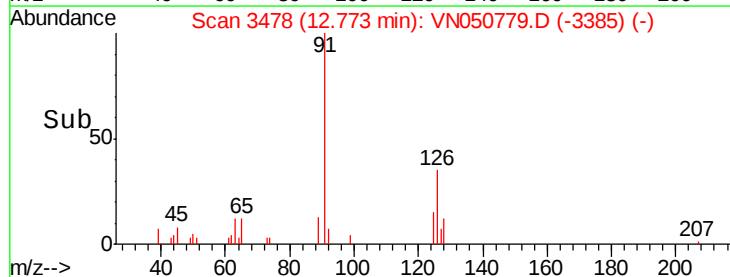
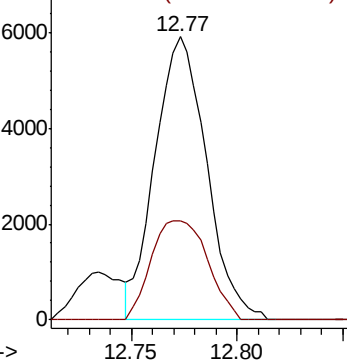
91 100

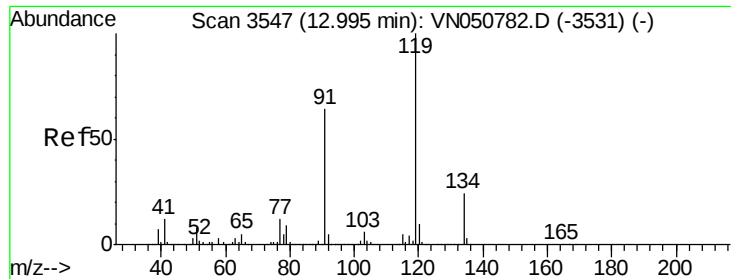
126 38.4 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

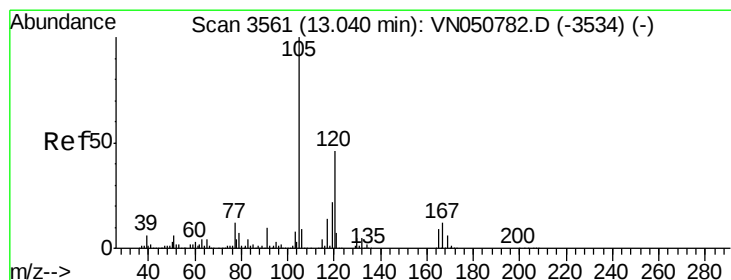
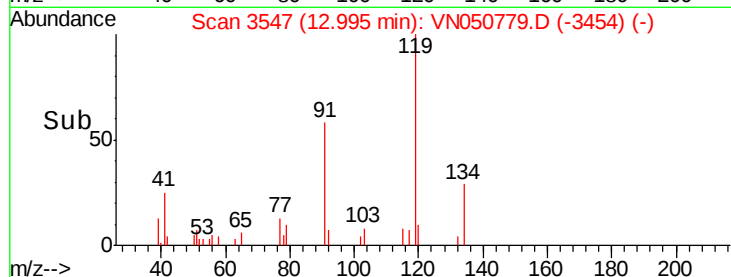
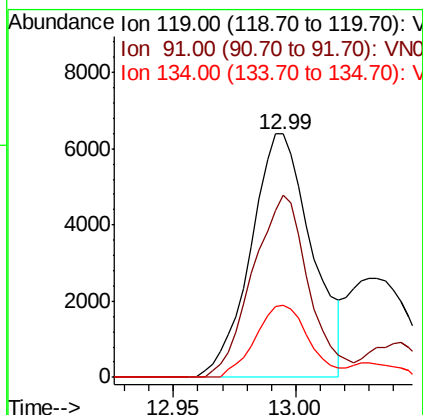
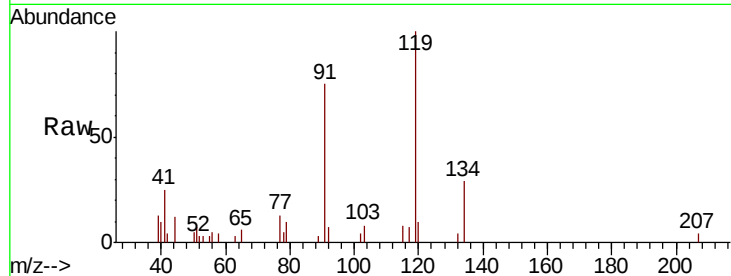




#83
 tert-Butylbenzene
 Concen: 0.802 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

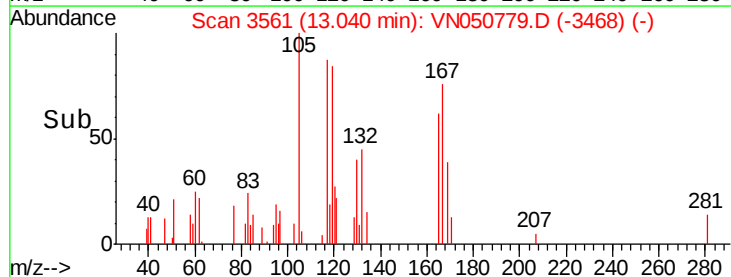
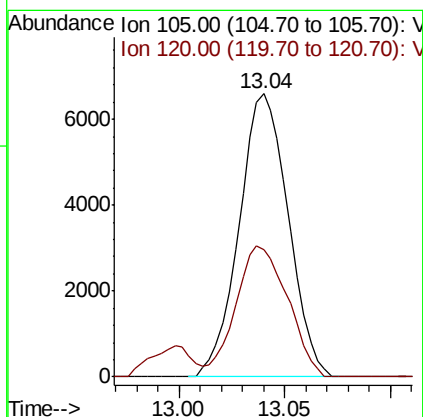
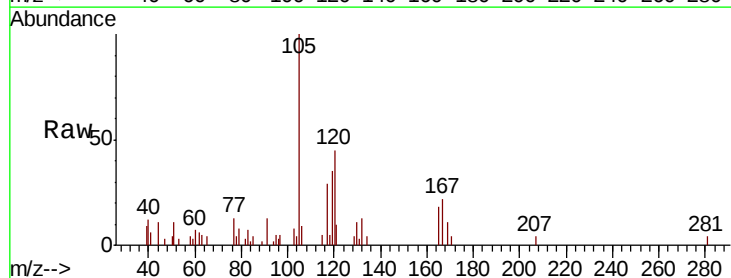
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC

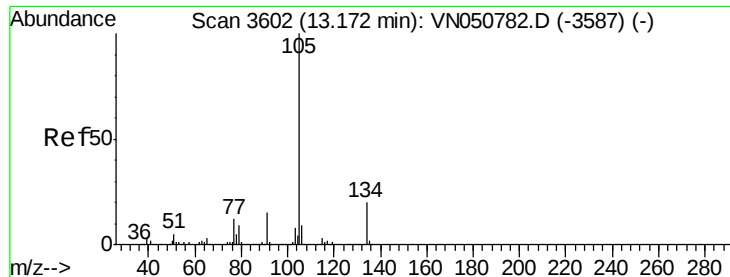
Tot Ion:119 Resp: 11082
 Ion Ratio Lower Upper
 119 100
 91 68.8 31.6 94.7
 134 25.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.664 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion:105 Resp: 10663
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.9 68.8

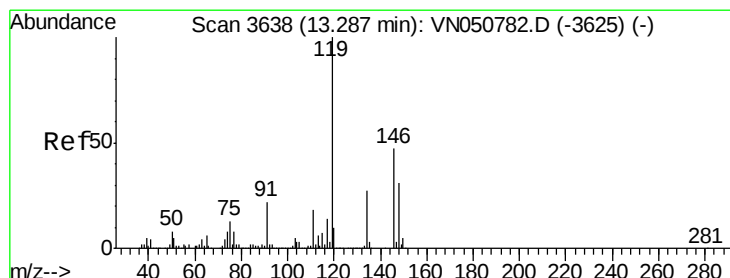
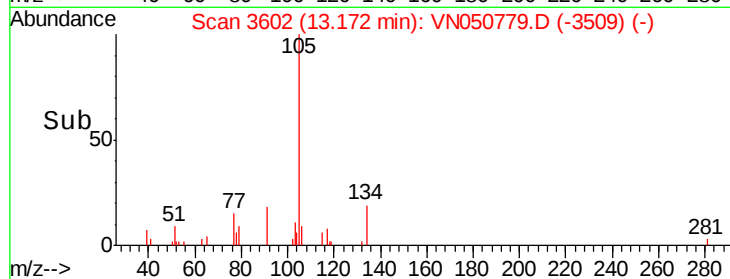
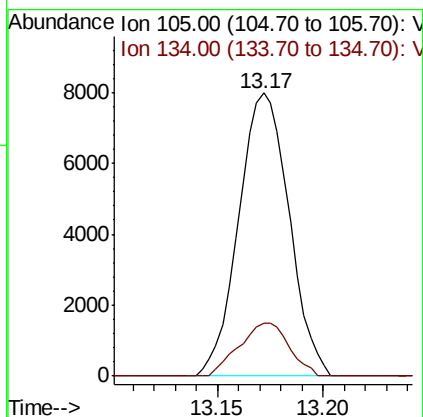
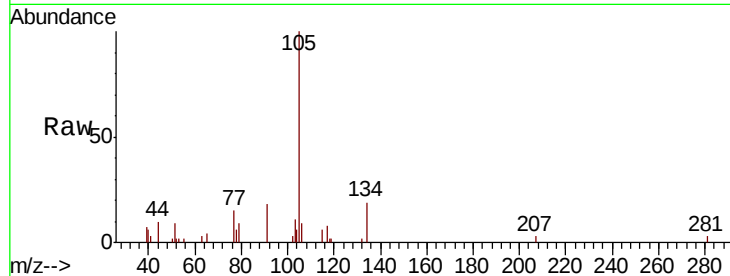




#85
 sec-Butylbenzene
 Concen: 0.732 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

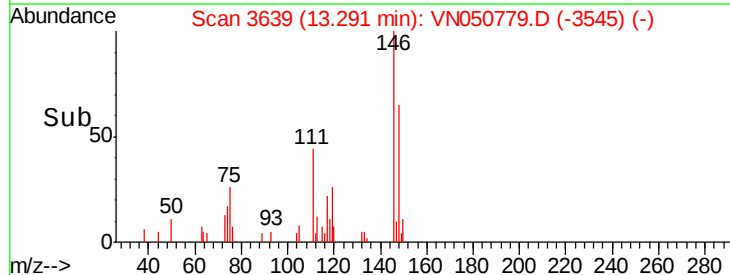
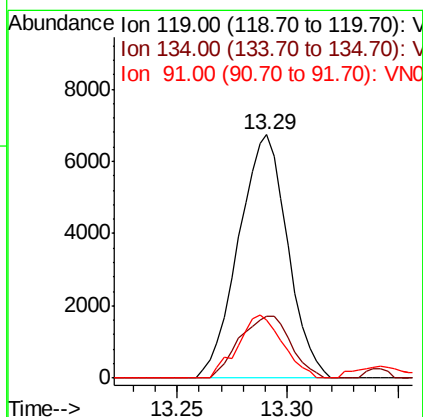
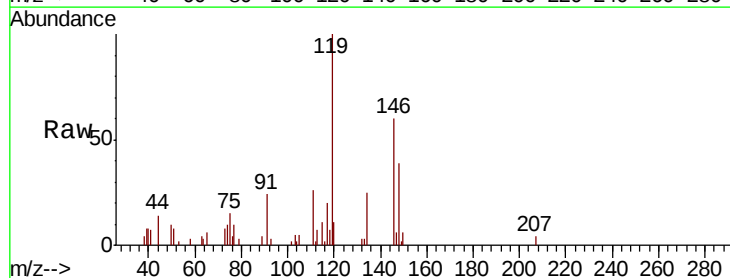
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC

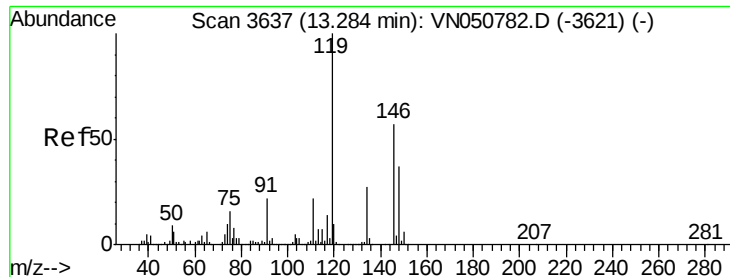
Tot Ion:105 Resp: 13258
 Ion Ratio Lower Upper
 105 100
 134 18.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 0.675 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion:119 Resp: 10414
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.7 41.0
 91 23.5 11.2 33.5

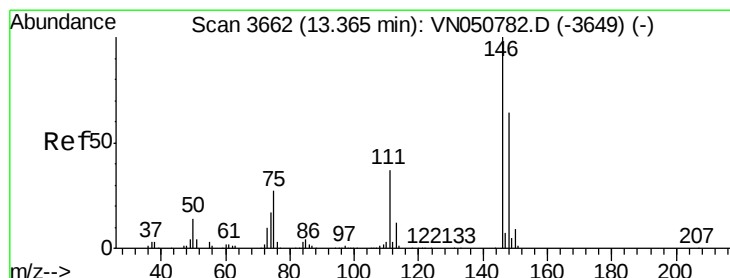
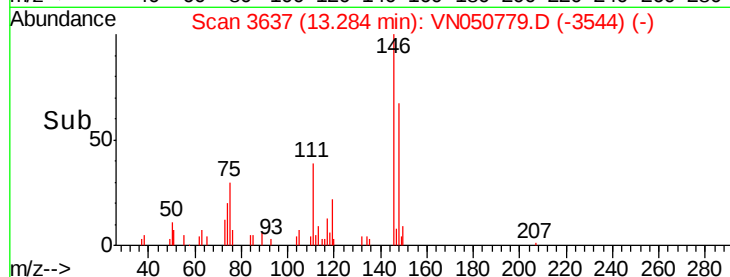
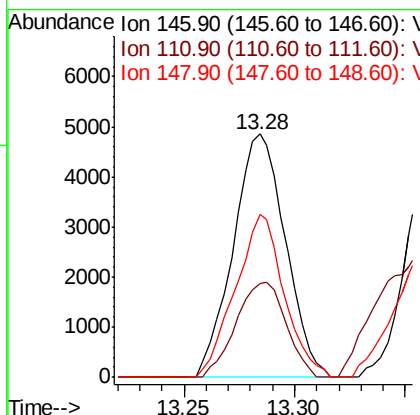
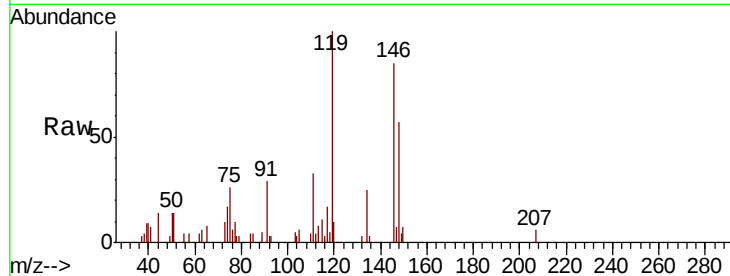




#87
 1,3-Dichlorobenzene
 Concen: 0.874 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

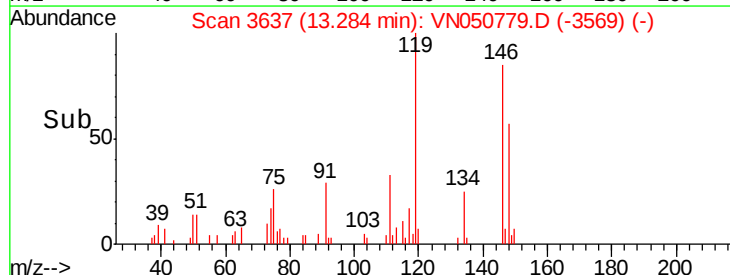
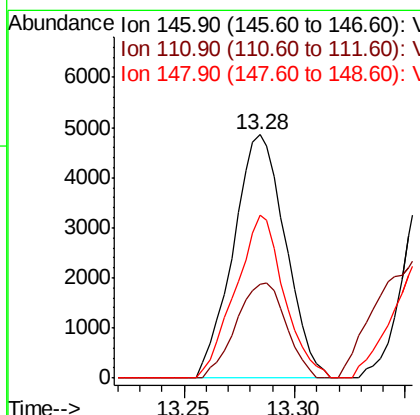
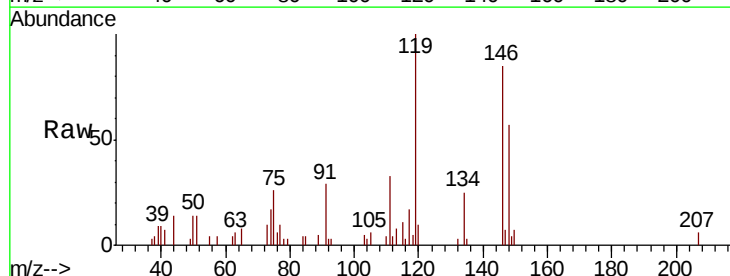
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC

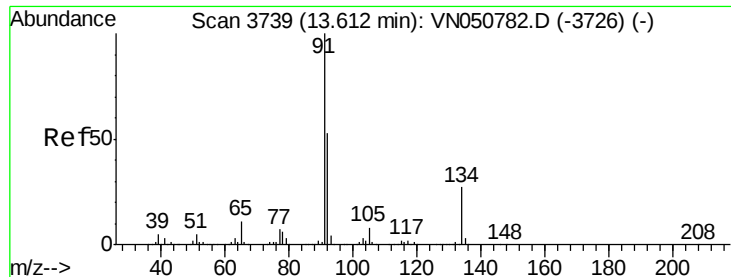
Tot Ion:146 Resp: 7974
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.3
 148 62.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.888 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.08 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion:146 Resp: 7974
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.3
 148 62.6 32.2 96.6

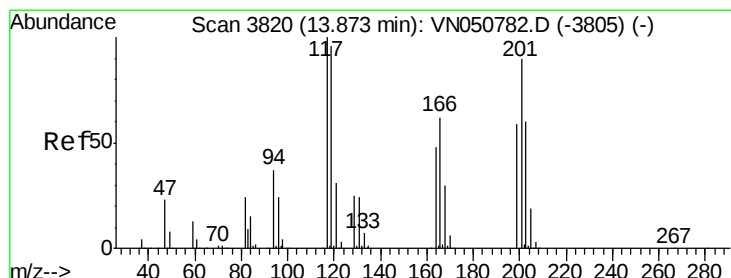
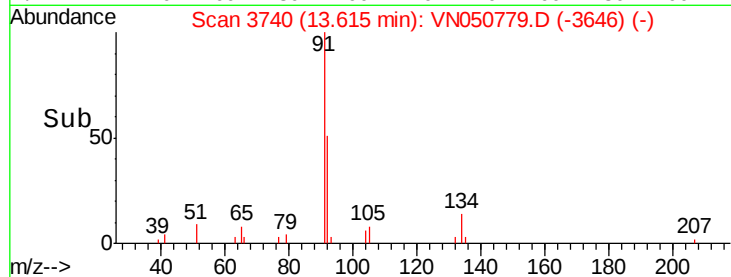
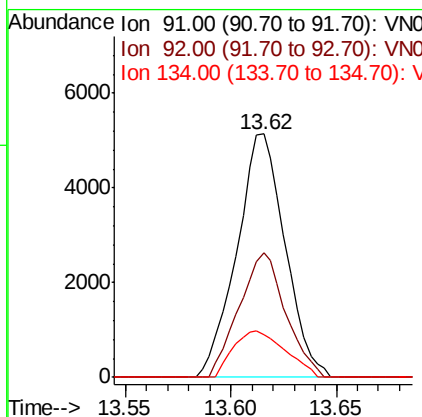
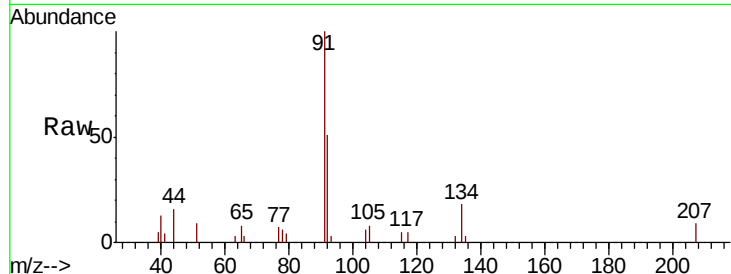




#89
n-Butylbenzene
Concen: 0.663 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

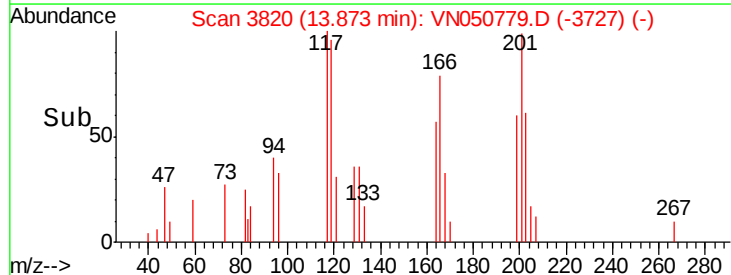
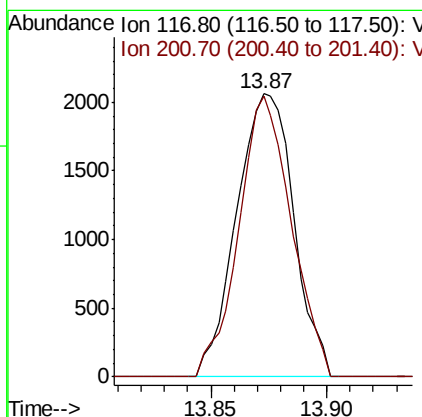
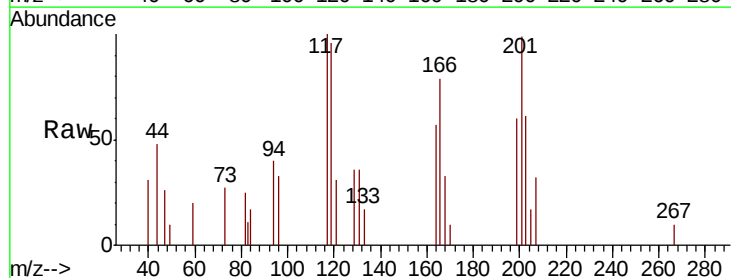
Instrument :
MSVOA_N
ClientSampled :
VSTDICC

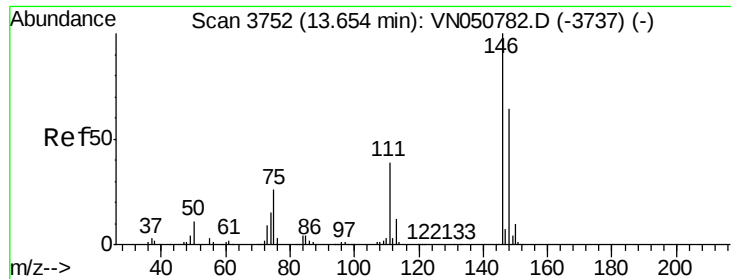
Tot Ion: 91 Resp: 8188
Ion Ratio Lower Upper
91 100
92 49.1 26.1 78.2
134 20.4 13.2 39.6



#90
Hexachloroethane
Concen: 1.105 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050779.D
Acq: 21 Aug 2018 9:56

Tgt Ion: 117 Resp: 3529
Ion Ratio Lower Upper
117 100
201 91.3 46.0 137.8

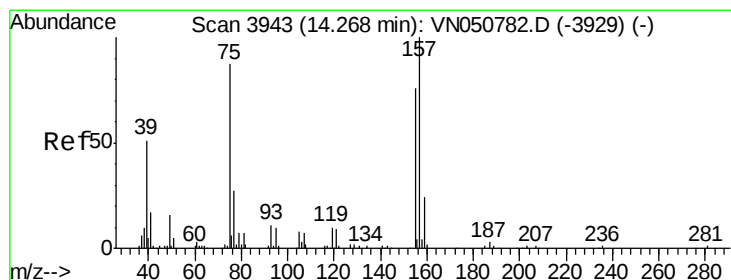
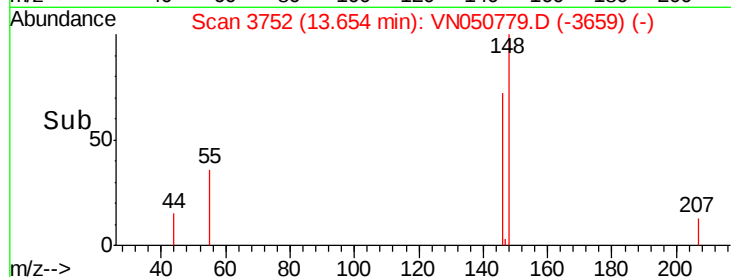
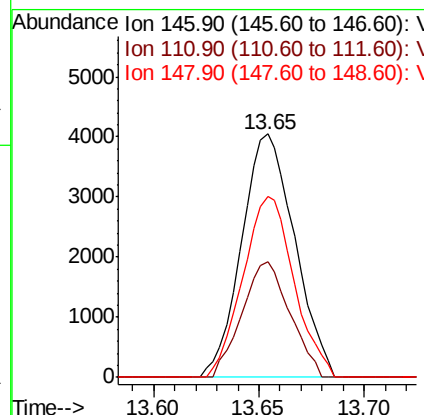
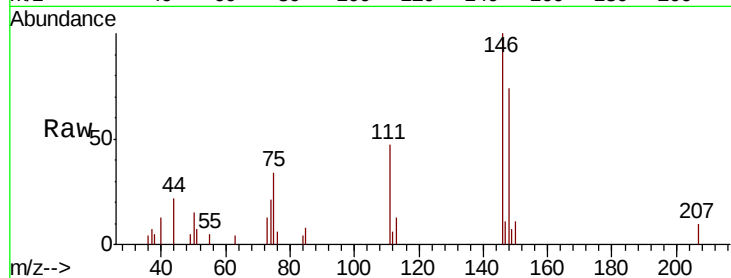




#91
 1,2-Dichlorobenzene
 Concen: 0.805 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

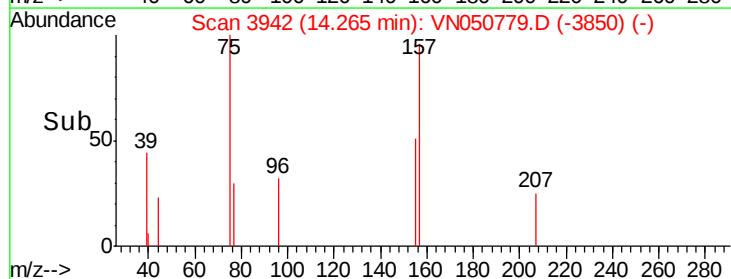
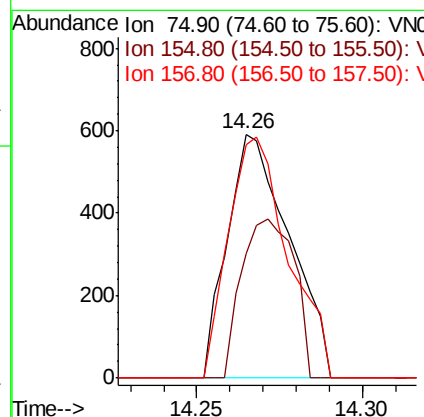
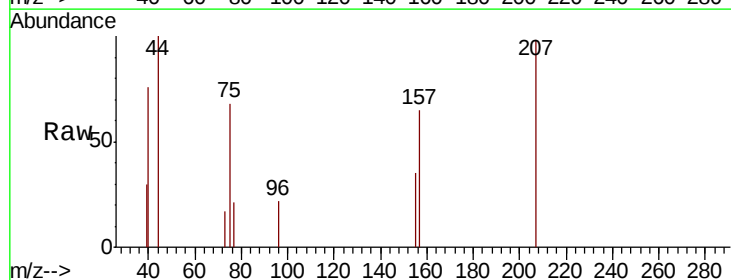
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC

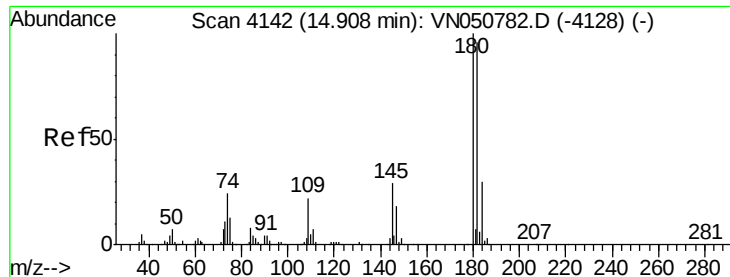
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.8	59.3
148	71.4	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.084 ug/l
 RT: 14.26 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.1	46.4	139.1
157	95.2	60.7	182.0

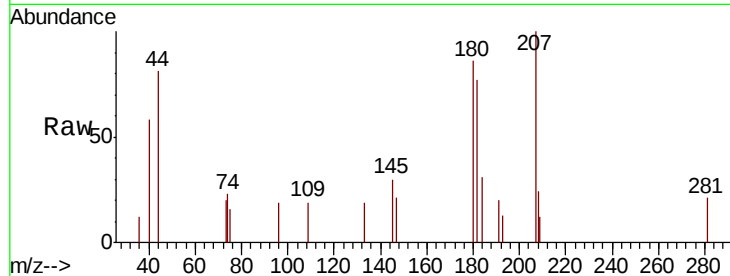




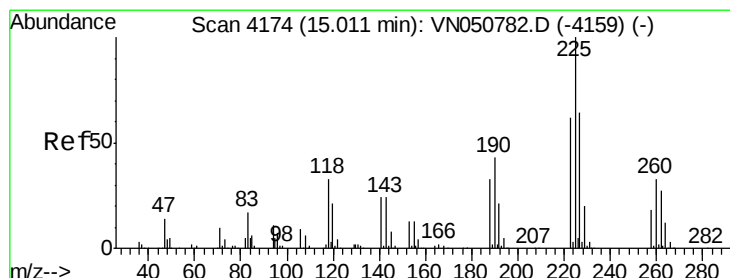
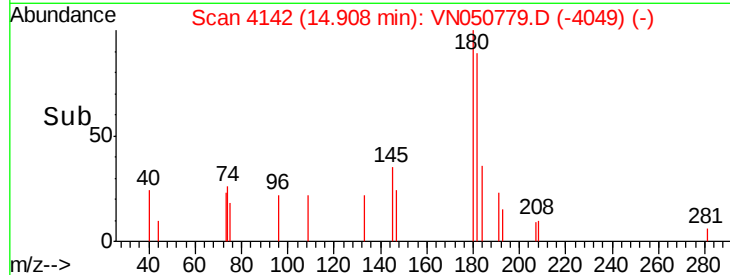
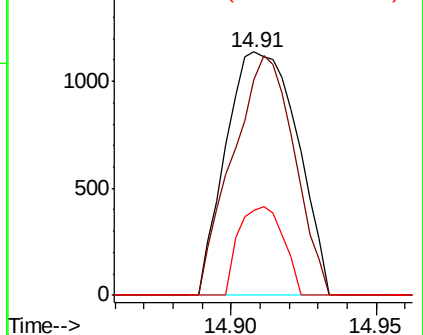
#93
 1,2,4-Trichlorobenzene
 Concen: 0.507 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC

Tot Ion:180 Resp: 1943
 Ion Ratio Lower Upper
 180 100
 182 85.0 48.2 144.6
 145 22.7 14.1 42.2

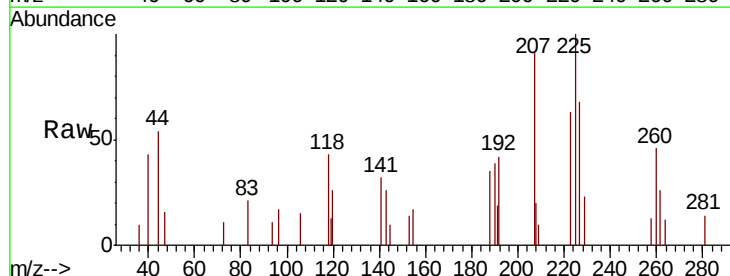


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

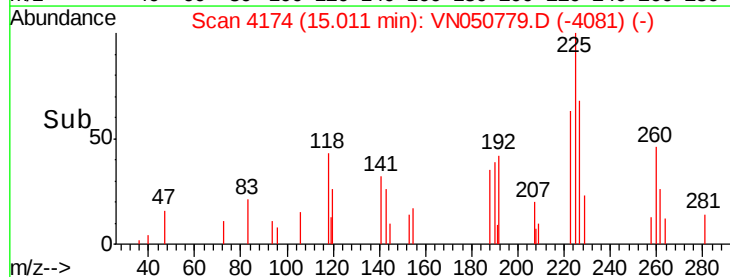
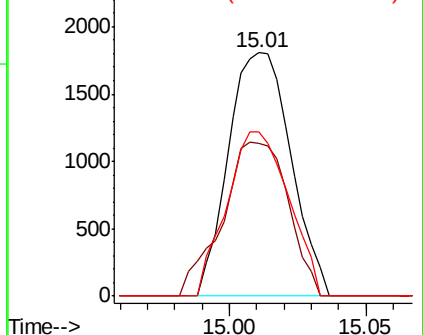


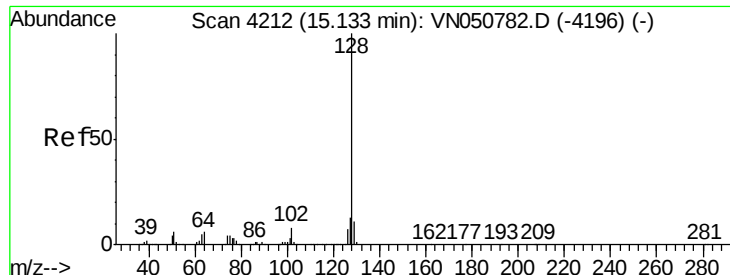
#94
 Hexachlorobutadiene
 Concen: 1.001 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050779.D
 Acq: 21 Aug 2018 9:56

Tgt Ion:225 Resp: 2871
 Ion Ratio Lower Upper
 225 100
 223 66.5 31.3 93.8
 227 66.9 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.436 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC

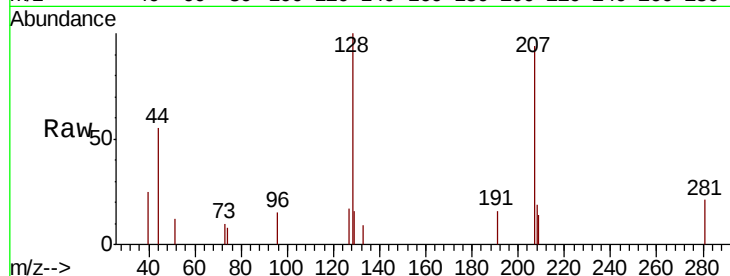
Tot Ion:128 Resp: 3295

Ion Ratio Lower Upper

128 100

127 17.7 10.5 15.7#

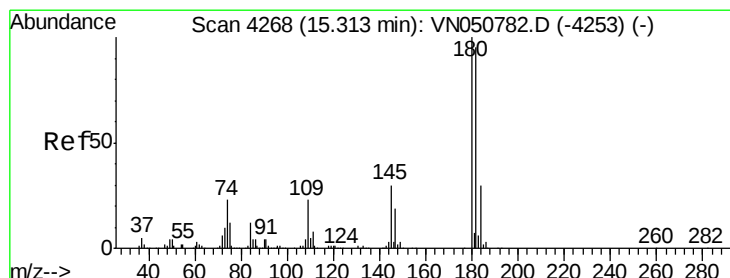
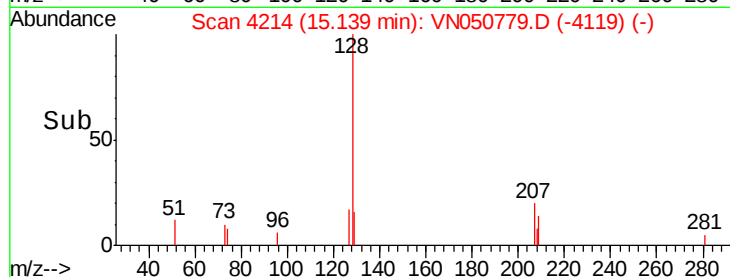
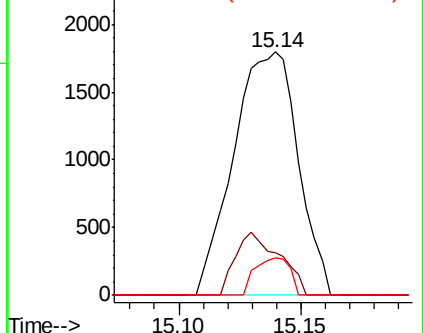
129 8.2 8.7 13.1#



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: 0.645 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050779.D

Acq: 21 Aug 2018 9:56

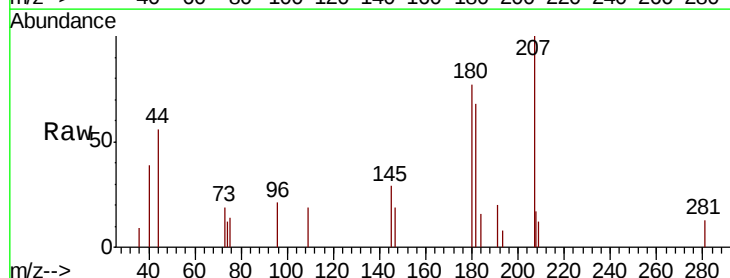
Tgt Ion:180 Resp: 2405

Ion Ratio Lower Upper

180 100

182 82.5 48.0 144.2

145 25.5 15.2 45.6



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

