

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055743.D
 Acq On : 23 May 2019 9:21
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: May 24 05:46:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	358421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	526240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149036	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	3951	1.01	ug/l	0.00
Spiked Amount			Recovery	=	2.02%	
35) Dibromofluoromethane	7.60	113	3597	1.08	ug/l	0.00
Spiked Amount			Recovery	=	2.16%	
50) Toluene-d8	10.09	98	13321	1.05	ug/l	0.00
Spiked Amount			Recovery	=	2.10%	
62) 4-Bromofluorobenzene	12.40	95	4121	0.94	ug/l	0.00
Spiked Amount			Recovery	=	1.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	2841	1.050	ug/l	96
3) Chloromethane	2.06	50	3883	1.064	ug/l	93
4) Vinyl Chloride	2.18	62	4263	1.082	ug/l	99
5) Bromomethane	2.55	94	3165	1.255	ug/l	90
6) Chloroethane	2.69	64	2429	1.098	ug/l	89
7) Trichlorofluoromethane	3.01	101	5352	1.060	ug/l	99
8) Diethyl Ether	3.40	74	2598	1.265	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1708	0.554	ug/l #	24
10) Methyl Iodide	3.94	142	4149	0.927	ug/l #	98
11) Tert butyl alcohol	4.74	59	12434	16.992	ug/l #	74
12) 1,1-Dichloroethene	3.73	96	3431	1.057	ug/l	97
13) Acrolein	3.60	56	4108	9.760	ug/l #	78
14) Allyl chloride	4.31	41	5596	1.066	ug/l	90
15) Acrylonitrile	5.00	53	8716	5.362	ug/l	96
16) Acetone	3.82	43	9404	5.852	ug/l	99
17) Carbon Disulfide	4.04	76	10024	1.111	ug/l	98
18) Methyl Acetate	4.33	43	5888	1.714	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	11322	1.057	ug/l	92
20) Methylene Chloride	4.54	84	4266	1.173	ug/l	89
21) trans-1,2-Dichloroethene	5.03	96	3623	1.049	ug/l	85
22) Diisopropyl ether	5.95	45	11139	1.067	ug/l #	80
23) Vinyl Acetate	5.90	43	46966	5.304	ug/l	98
24) 1,1-Dichloroethane	5.85	63	6795	1.118	ug/l #	90
25) 2-Butanone	6.85	43	12629	5.639	ug/l	96
26) 2,2-Dichloropropane	6.82	77	6461	1.200	ug/l	91
27) cis-1,2-Dichloroethene	6.82	96	2239	0.555	ug/l	1
28) Bromochloromethane	7.20	49	2972	1.107	ug/l #	99
29) Tetrahydrofuran	7.22	42	7978	5.388	ug/l	98
30) Chloroform	7.37	83	6493	1.037	ug/l	97
31) Cyclohexane	7.66	56	11427	1.970	ug/l #	25
32) 1,1,1-Trichloroethane	7.56	97	5912	1.055	ug/l #	49
36) 1,1-Dichloropropene	7.79	75	5134	1.100	ug/l	95
37) Ethyl Acetate	6.94	43	4491	1.062	ug/l #	75
38) Carbon Tetrachloride	7.77	117	5250	1.051	ug/l #	92

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 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	6266	1.107	ug/l	95
40) Benzene	8.04	78	14894	1.078	ug/l	97
41) Methacrylonitrile	7.18	41	2567	1.398	ug/l #	79
42) 1,2-Dichloroethane	8.12	62	4764	1.067	ug/l	88
43) Isopropyl Acetate	8.17	43	8127	1.103	ug/l #	88
44) Trichloroethene	8.83	130	3923	1.008	ug/l	90
45) 1,2-Dichloropropane	9.12	63	3692	1.016	ug/l	95
46) Dibromomethane	9.21	93	2333	0.979	ug/l	94
47) Bromodichloromethane	9.40	83	5266	1.059	ug/l	97
48) Methyl methacrylate	9.20	41	3337	1.011	ug/l	90
49) 1,4-Dioxane	9.20	88	1467	22.421	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	23038	5.291	ug/l	98
52) Toluene	10.16	92	9119	1.050	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	5019	0.940	ug/l #	84
54) cis-1,3-Dichloropropene	9.84	75	5735	0.980	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	3573	1.001	ug/l	98
56) Ethyl methacrylate	10.43	69	5405	0.969	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	5915	1.048	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	9483	4.095	ug/l	100
59) 2-Hexanone	10.75	43	15939	5.209	ug/l	95
60) Dibromochloromethane	10.90	129	4075	1.007	ug/l	100
61) 1,2-Dibromoethane	11.01	107	3695	1.033	ug/l	94
64) Tetrachloroethene	10.63	164	4184	1.199	ug/l	95
65) Chlorobenzene	11.43	112	9277	1.047	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	3953	1.110	ug/l #	66
67) Ethyl Benzene	11.51	91	16957	1.071	ug/l	99
68) m/p-Xylenes	11.62	106	12449	2.082	ug/l	97
69) o-Xylene	11.95	106	6482	1.105	ug/l	94
70) Styrene	11.96	104	9412	0.968	ug/l	97
71) Bromoform	12.13	173	2927	0.967	ug/l #	98
73) Isopropylbenzene	12.25	105	16363	1.344	ug/l	97
74) N-amyl acetate	12.07	43	5871	1.401	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	4844	1.292	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	5996	1.952	ug/l #	100
77) Bromobenzene	12.53	156	3681	1.195	ug/l	85
78) n-propylbenzene	12.59	91	15410	1.168	ug/l	100
79) 2-Chlorotoluene	12.67	91	9987	1.242	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	13295	1.300	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	1183	1.012	ug/l #	84
82) 4-Chlorotoluene	12.77	91	8755	1.125	ug/l	99
83) tert-Butylbenzene	12.99	119	12141	1.353	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	12324	1.223	ug/l	100
85) sec-Butylbenzene	13.17	105	13915	1.221	ug/l	99
86) p-Isopropyltoluene	13.29	119	12264	1.171	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	5586	1.103	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	5586	1.160	ug/l	94
89) n-Butylbenzene	13.61	91	8629	1.060	ug/l	99
90) Hexachloroethane	13.87	117	2402	1.201	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	5584	1.107	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	782	1.172	ug/l	89

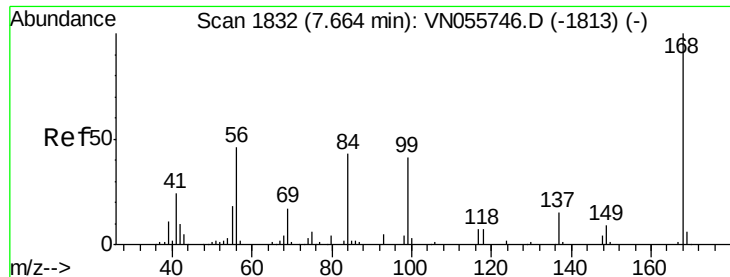
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Quant Title : SW846 8260
QLast Update : Fri May 24 05:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1945	0.768	ug/l	87
94) Hexachlorobutadiene	15.01	225	2334	1.300	ug/l	92
95) Naphthalene	15.13	128	5743	0.839	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	2130	0.798	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

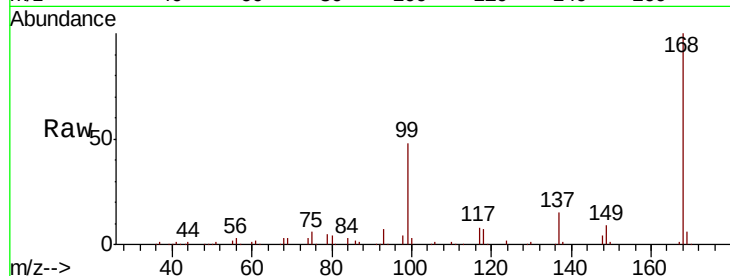
VSTDIC001

Tot Ion:168 Resp: 358421

Ion Ratio Lower Upper

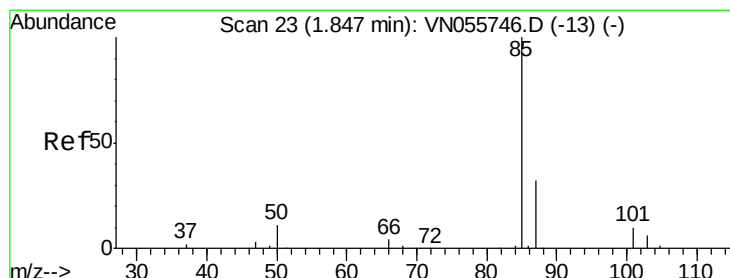
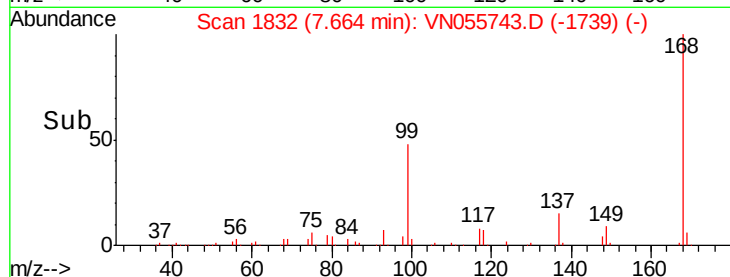
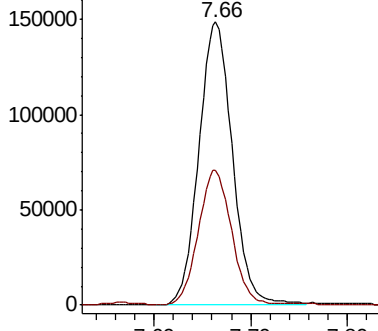
168 100

99 47.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 1.050 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055743.D

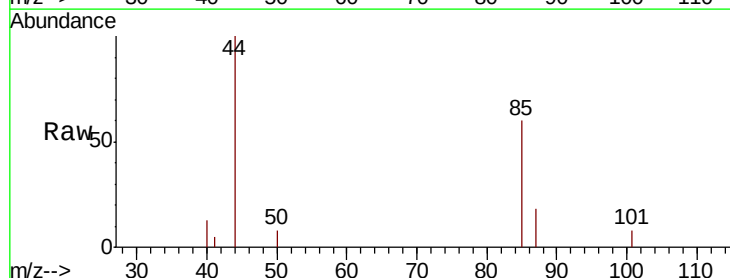
Acq: 23 May 2019 9:21

Tgt Ion: 85 Resp: 2841

Ion Ratio Lower Upper

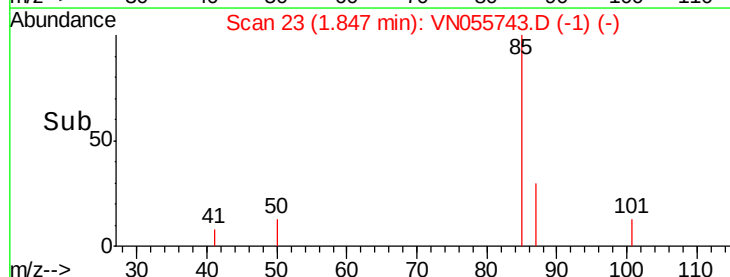
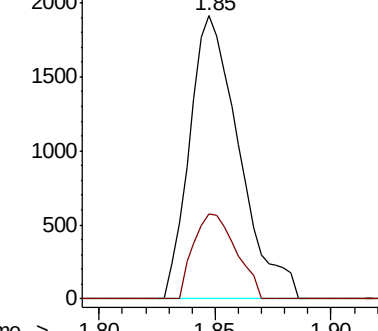
85 100

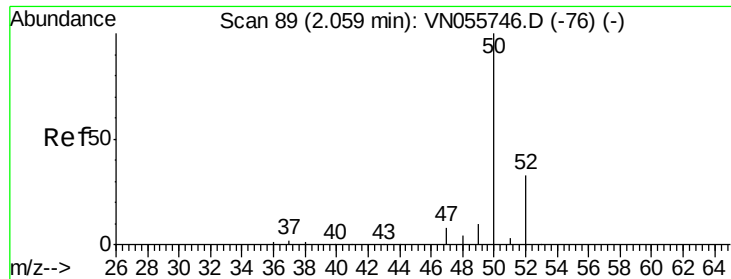
87 29.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

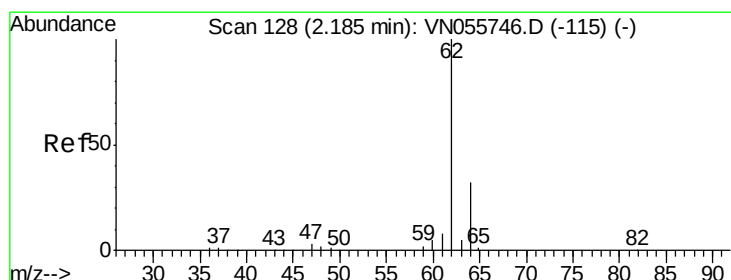
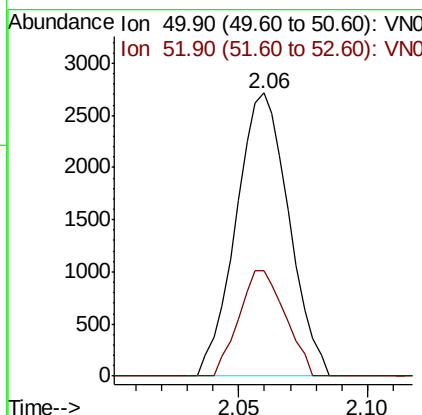
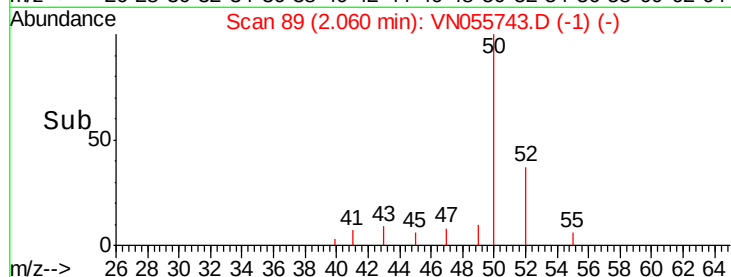
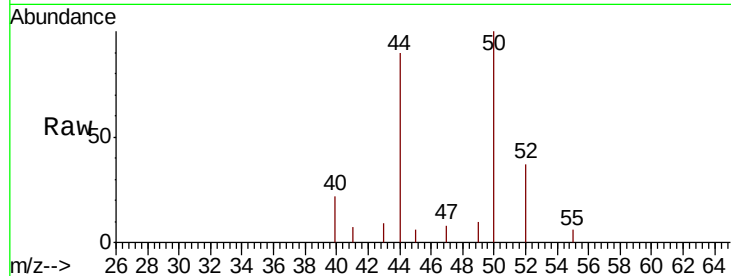




#3
 Chloromethane
 Concen: 1.064 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

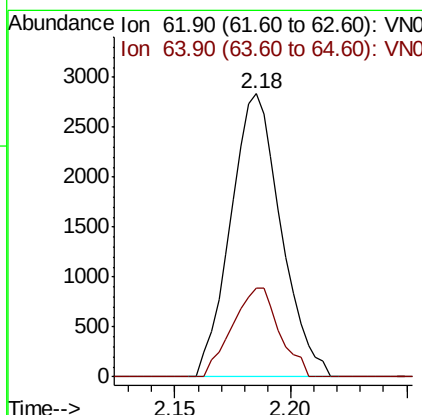
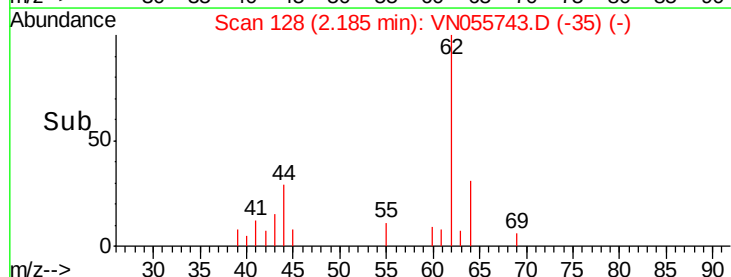
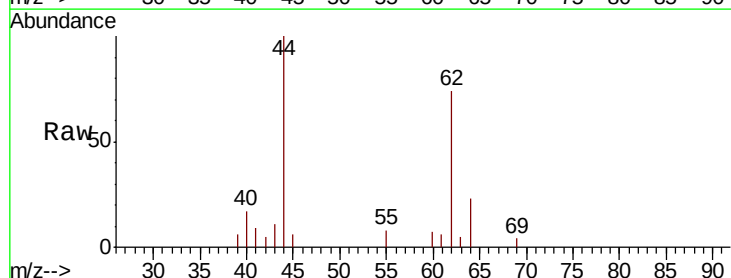
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

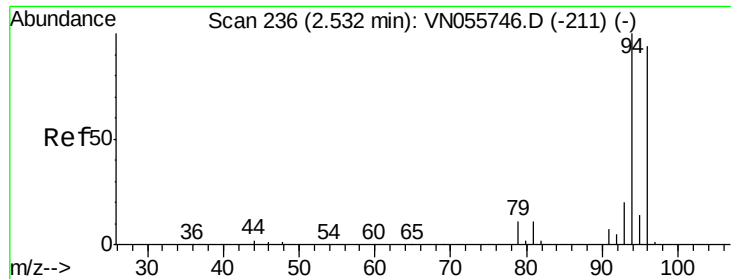
Tot Ion: 50 Resp: 3883
 Ion Ratio Lower Upper
 50 100
 52 37.5 26.6 40.0



#4
 Vinyl Chloride
 Concen: 1.082 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion: 62 Resp: 4263
 Ion Ratio Lower Upper
 62 100
 64 31.4 25.6 38.4





#5

Bromomethane

Concen: 1.255 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

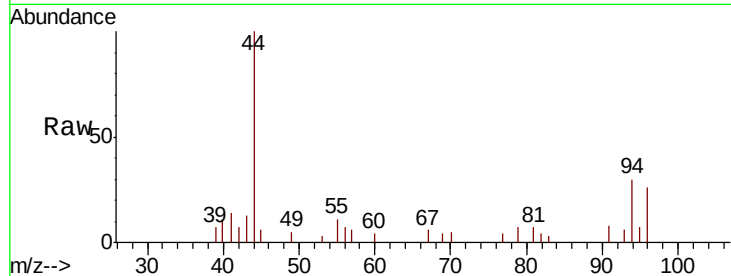
VSTDIC001

Tot Ion: 94 Resp: 3165

Ion Ratio Lower Upper

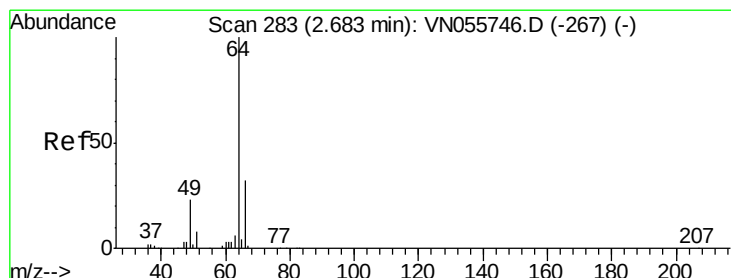
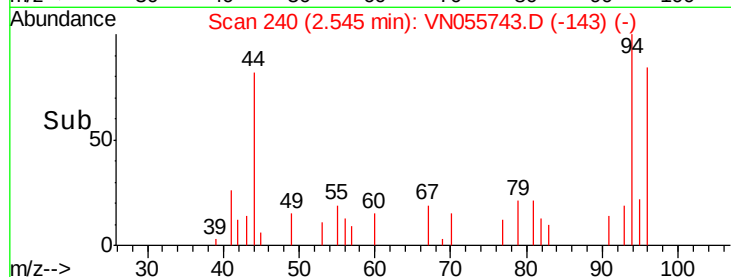
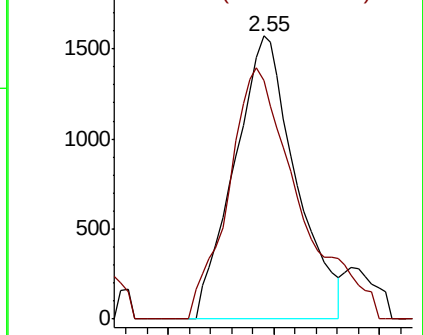
94 100

96 84.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.098 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055743.D

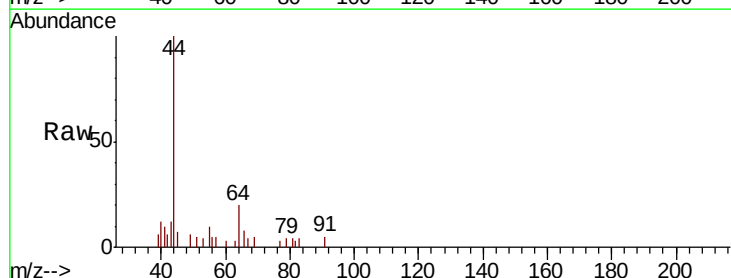
Acq: 23 May 2019 9:21

Tgt Ion: 64 Resp: 2429

Ion Ratio Lower Upper

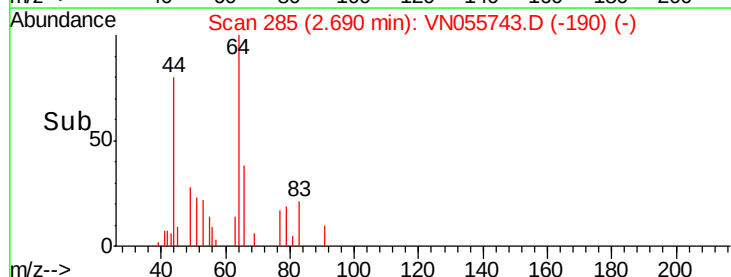
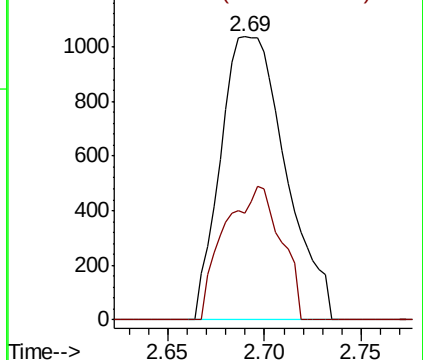
64 100

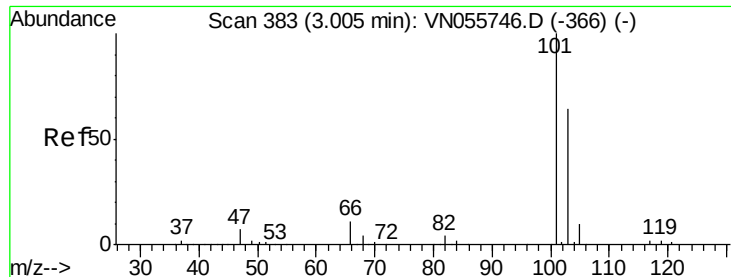
66 37.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 1.060 ug/l

RT: 3.01 min Scan# 384

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

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ClientSampleId :

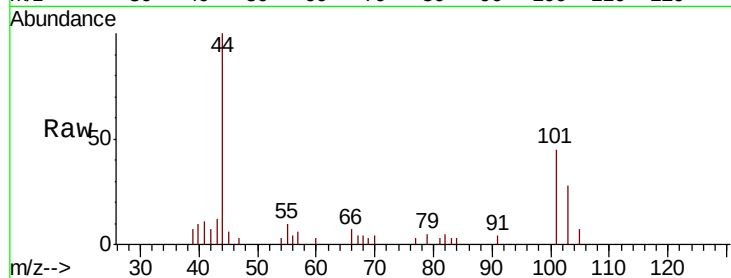
VSTDIC001

Tot Ion:101 Resp: 5352

Ion Ratio Lower Upper

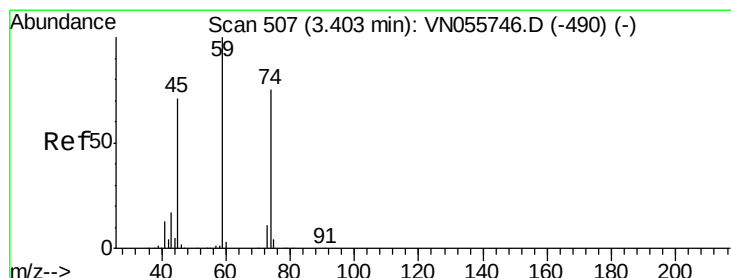
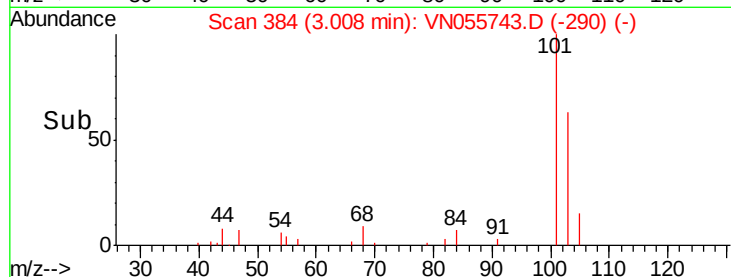
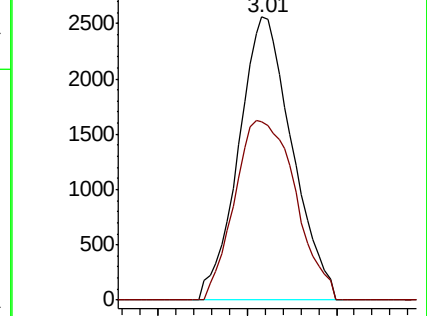
101 100

103 63.1 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.265 ug/l

RT: 3.40 min Scan# 506

Delta R.T. -0.00 min

Lab File: VN055743.D

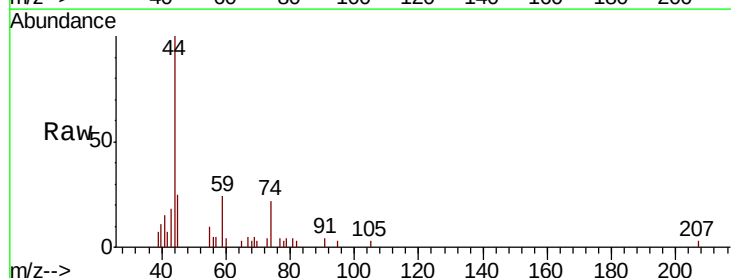
Acq: 23 May 2019 9:21

Tgt Ion: 74 Resp: 2598

Ion Ratio Lower Upper

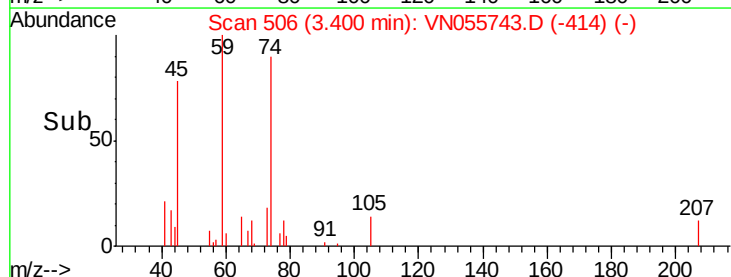
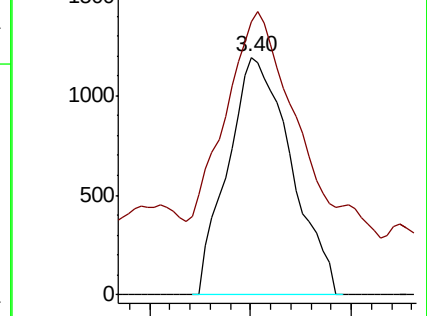
74 100

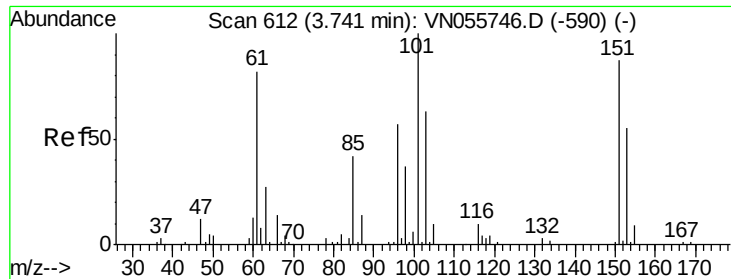
45 107.3 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.554 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055743.D

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ClientSampleId :

VSTDIC001

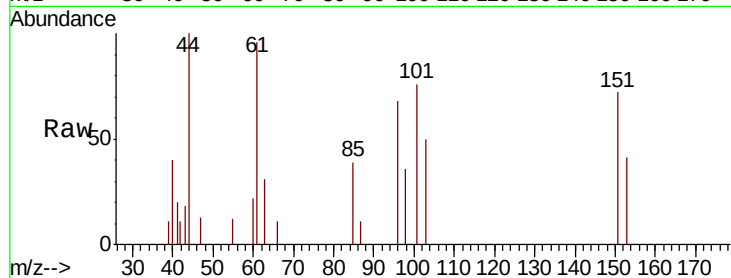
Tot Ion:101 Resp: 1708

Ion Ratio Lower Upper

101 100

85 88.6 33.4 50.2#

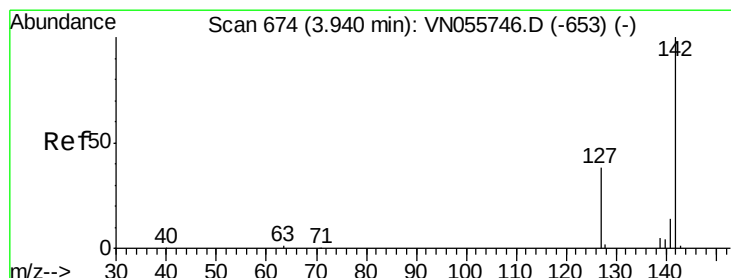
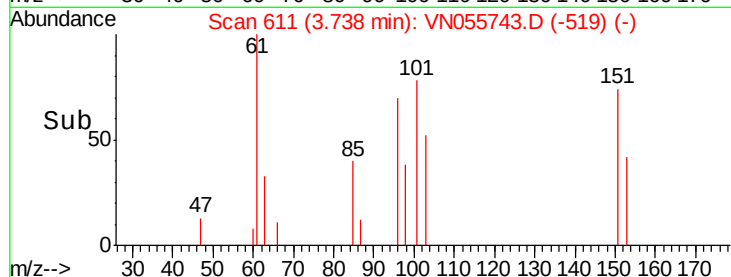
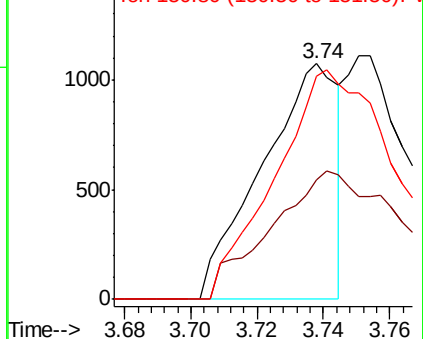
151 157.2 69.4 104.2#



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: 0.927 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

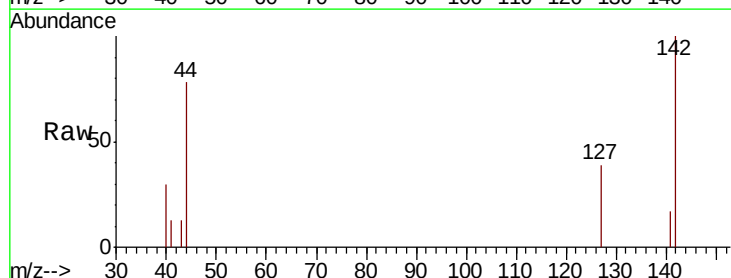
Tgt Ion:142 Resp: 4149

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

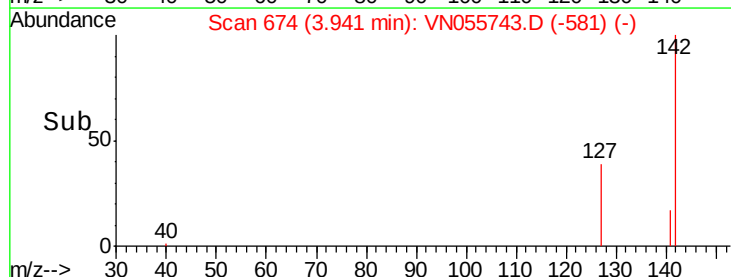
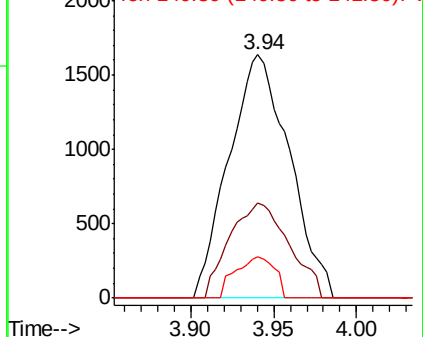
141 10.9 11.4 17.0#

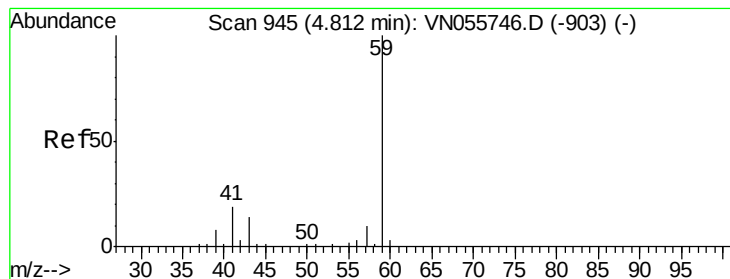


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



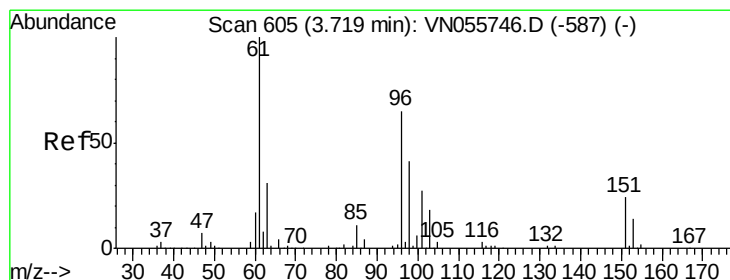
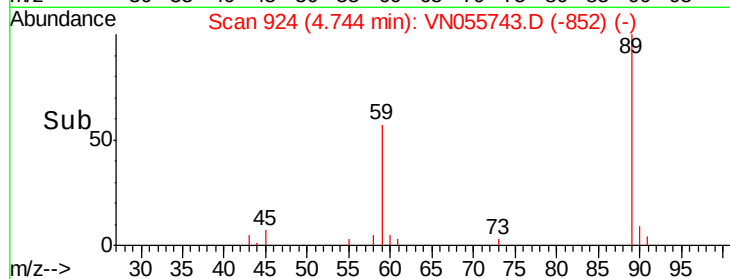
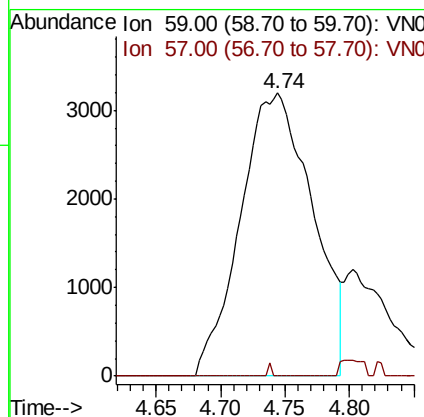
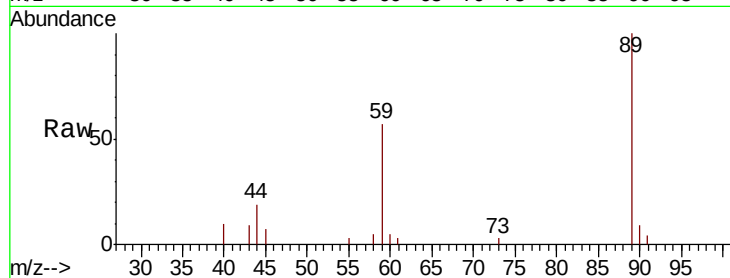


#11

Tert butyl alcohol
 Concen: 16.992 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.07 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

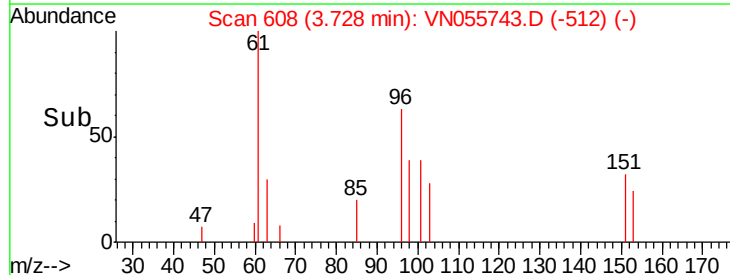
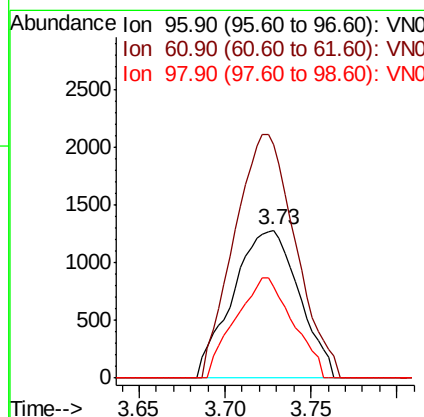
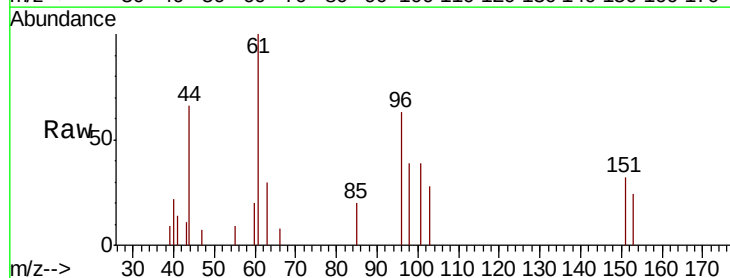
Tot Ion: 59 Resp: 12434
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

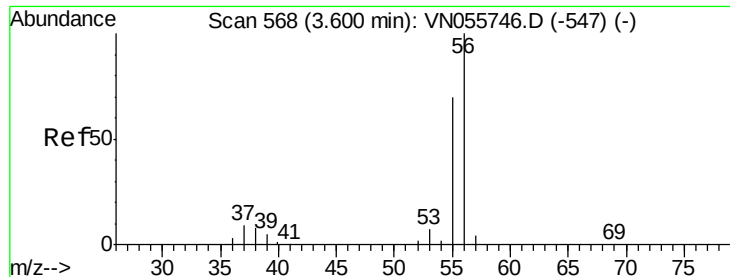


#12

1,1-Dichloroethene
 Concen: 1.057 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion: 96 Resp: 3431
 Ion Ratio Lower Upper
 96 100
 61 157.8 123.2 184.8
 98 61.2 50.4 75.6





#13

Acrolein

Concen: 9.760 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

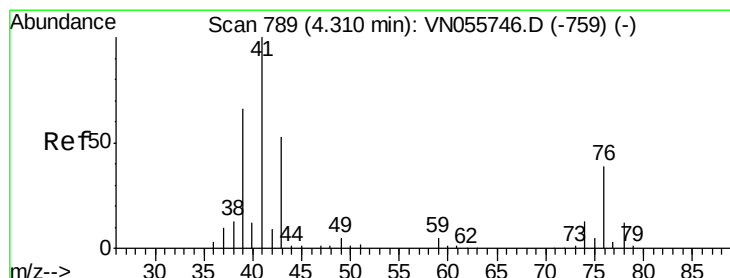
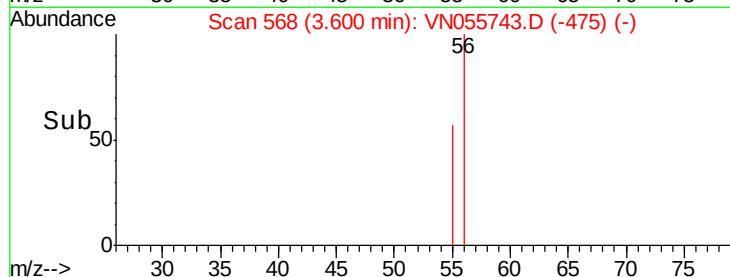
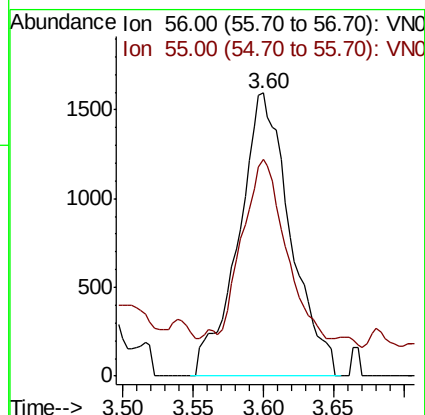
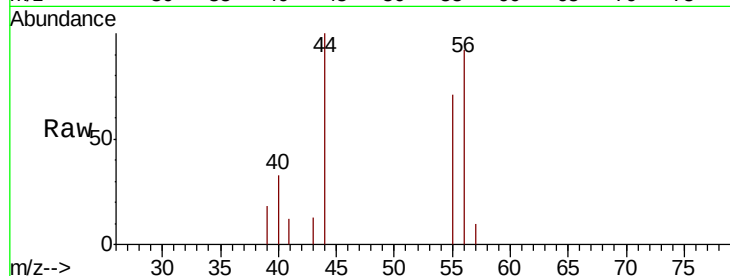
VSTDIC001

Tot Ion: 56 Resp: 4108

Ion Ratio Lower Upper

56 100

55 51.7 55.4 83.2#



#14

Allyl chloride

Concen: 1.066 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

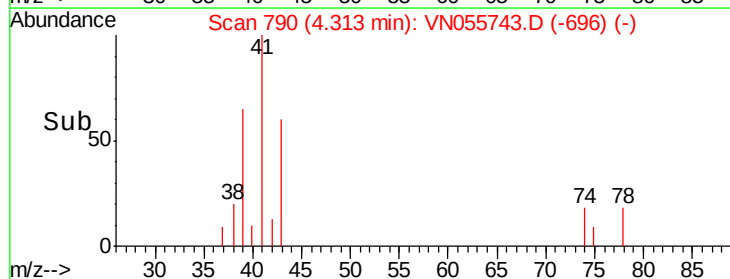
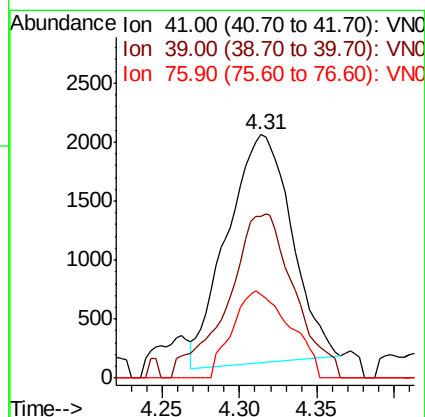
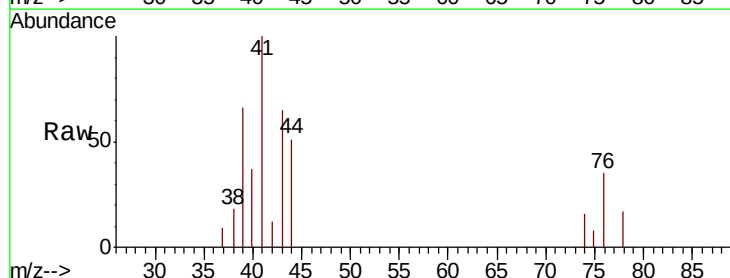
Tgt Ion: 41 Resp: 5596

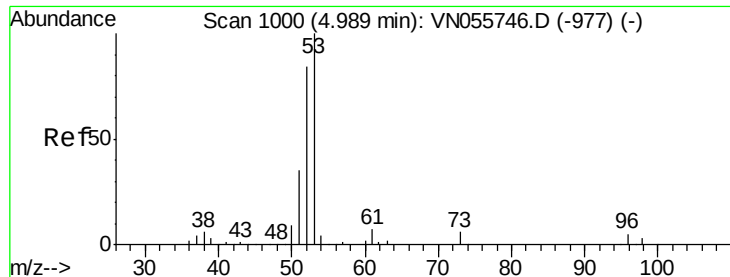
Ion Ratio Lower Upper

41 100

39 74.1 50.0 75.0

76 34.3 28.2 42.2





#15

Acrylonitrile

Concen: 5.362 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

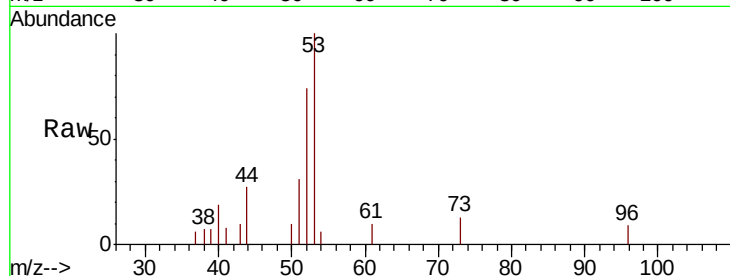
Tot Ion: 53 Resp: 8716

Ion Ratio Lower Upper

53 100

52 78.6 65.8 98.8

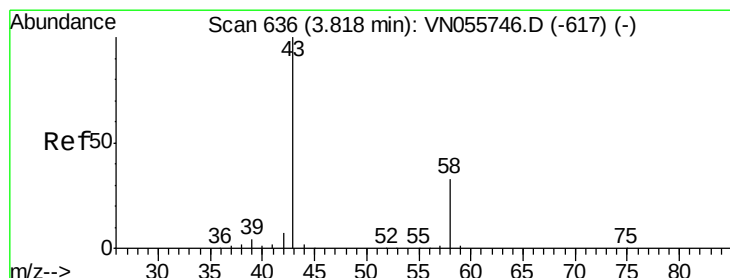
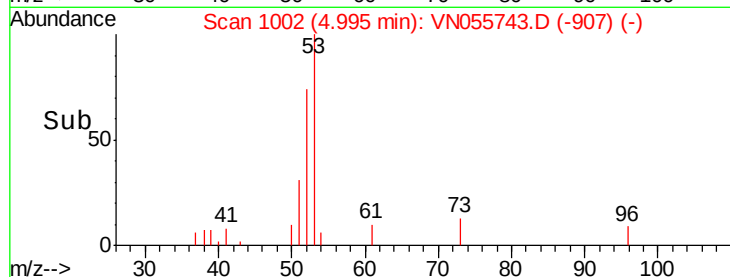
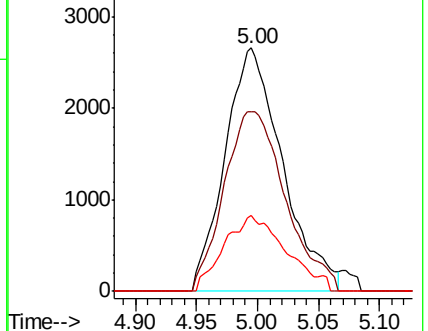
51 33.5 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055743.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN055743.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN055743.D (-907) (-)



#16

Acetone

Concen: 5.852 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055743.D

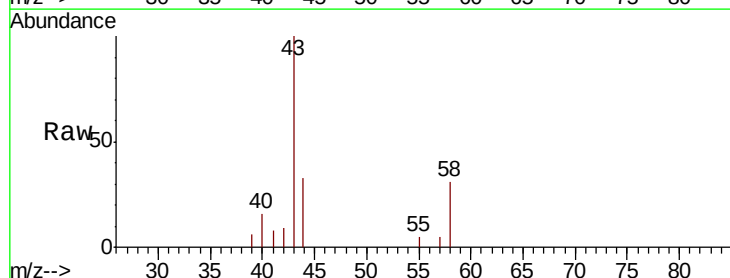
Acq: 23 May 2019 9:21

Tgt Ion: 43 Resp: 9404

Ion Ratio Lower Upper

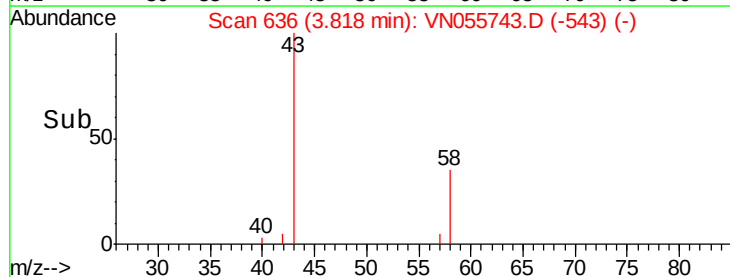
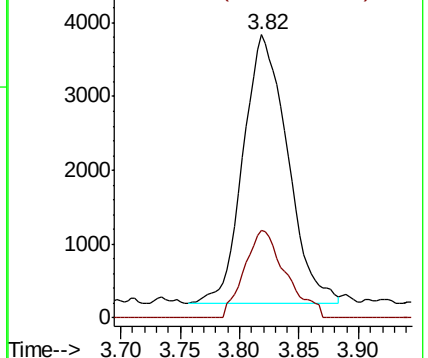
43 100

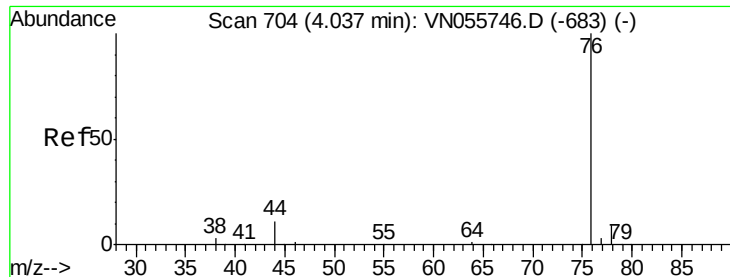
58 32.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055743.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055743.D (-543) (-)

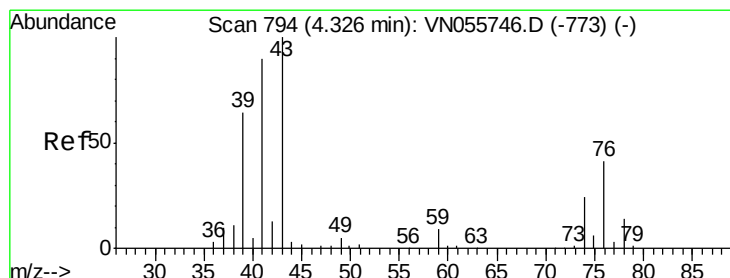
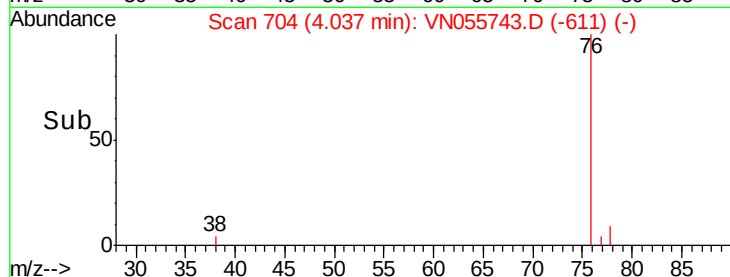
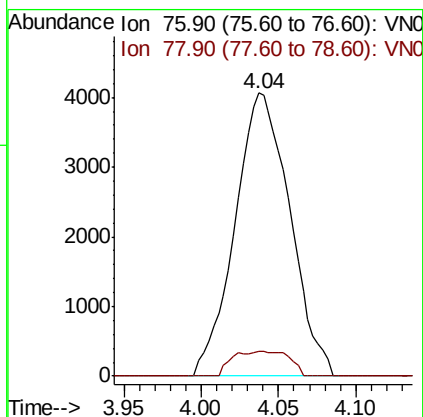
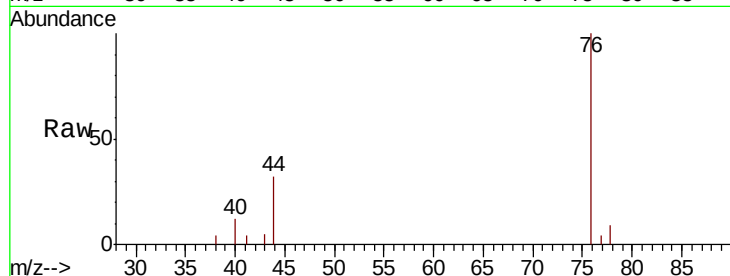




#17
Carbon Disulfide
Concen: 1.111 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

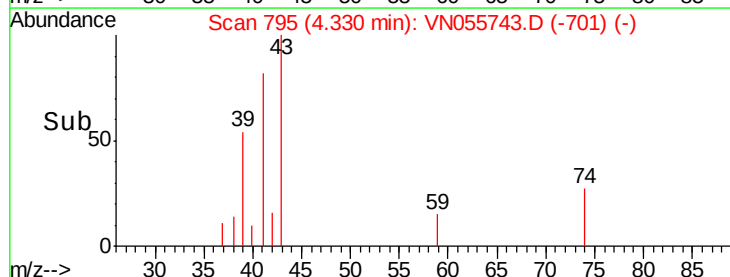
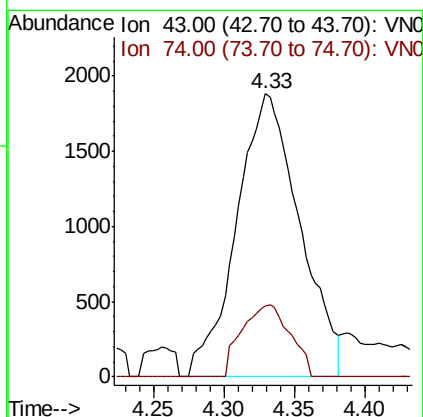
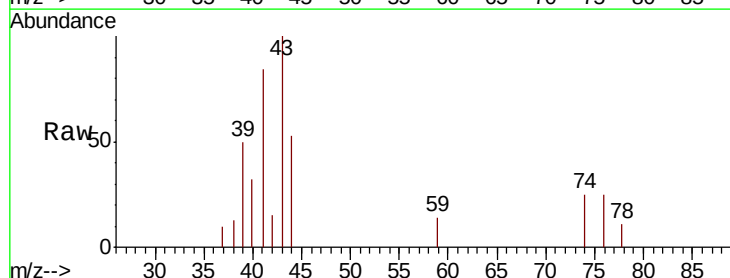
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

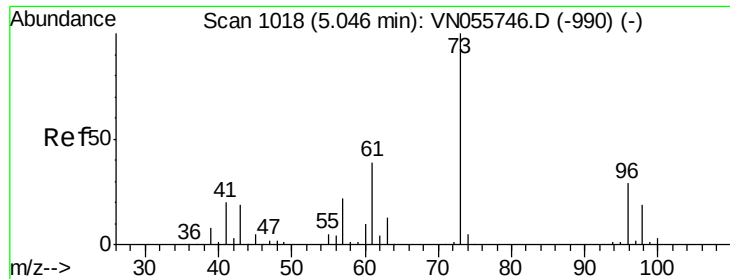
Tot Ion: 76 Resp: 10024
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#18
Methyl Acetate
Concen: 1.714 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 43 Resp: 5888
Ion Ratio Lower Upper
43 100
74 19.6 19.3 28.9

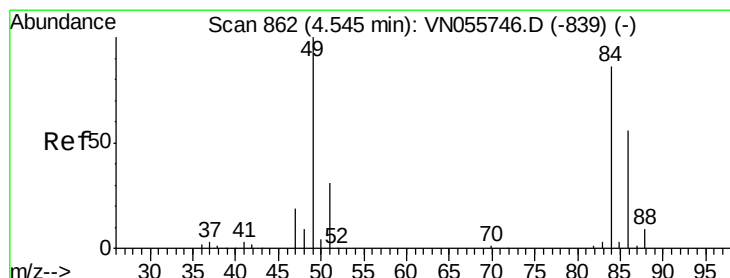
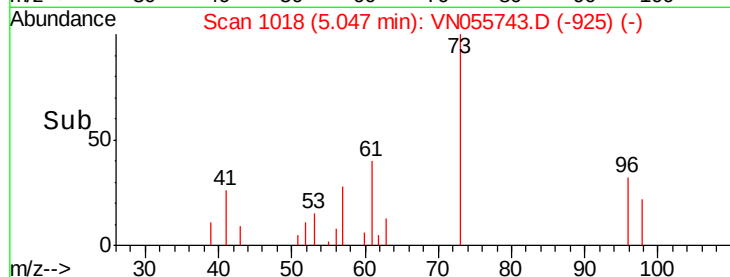
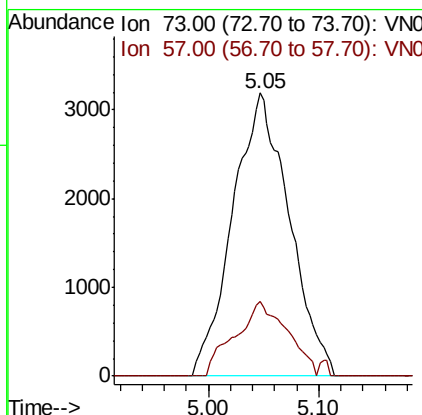
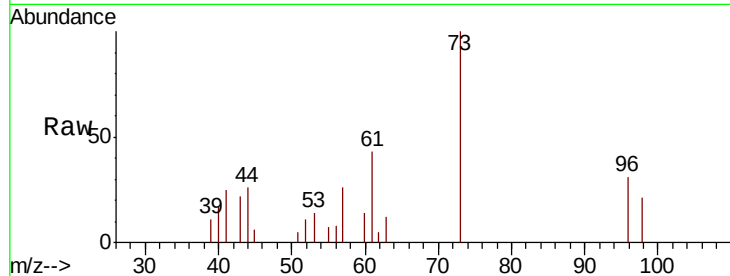




#19
Methyl tert-butyl Ether
Concen: 1.057 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

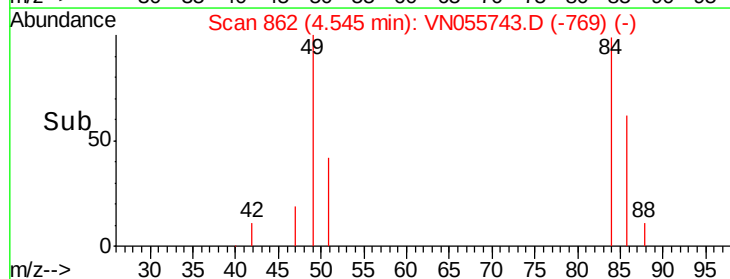
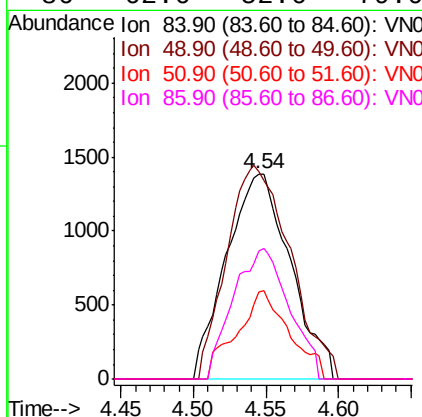
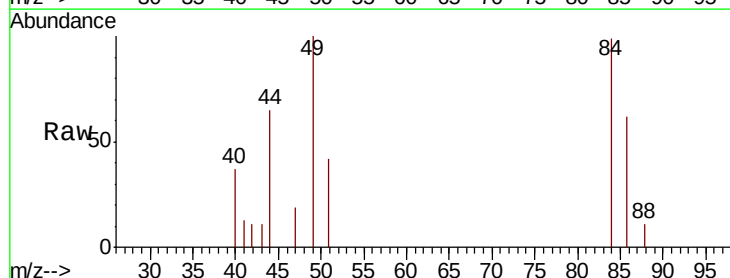
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

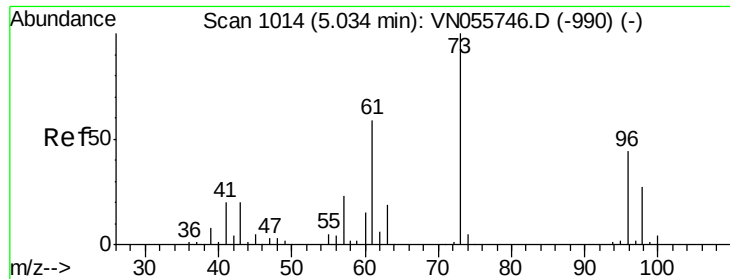
Tot Ion: 73 Resp: 11322
Ion Ratio Lower Upper
73 100
57 26.3 17.8 26.8



#20
Methylene Chloride
Concen: 1.173 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 84 Resp: 4266
Ion Ratio Lower Upper
84 100
49 100.9 93.5 140.3
51 42.5 28.6 43.0
86 62.6 52.6 79.0

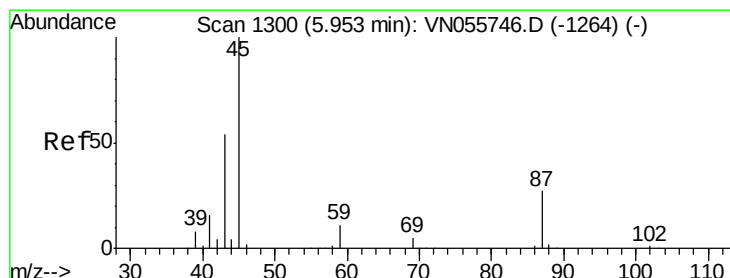
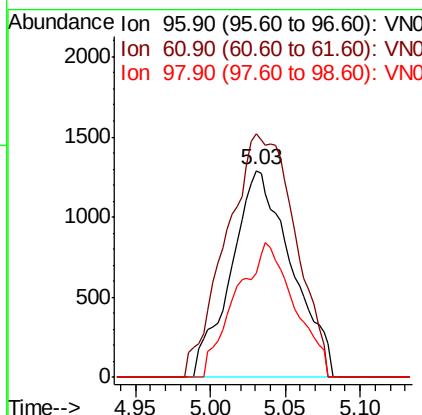
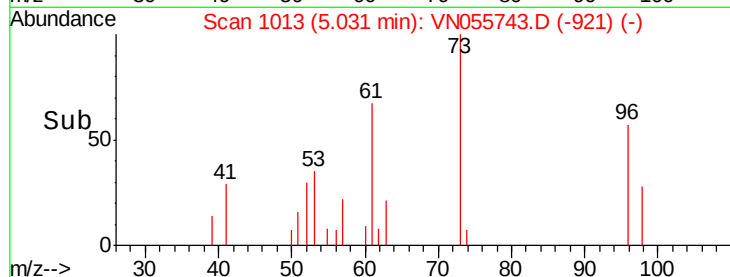
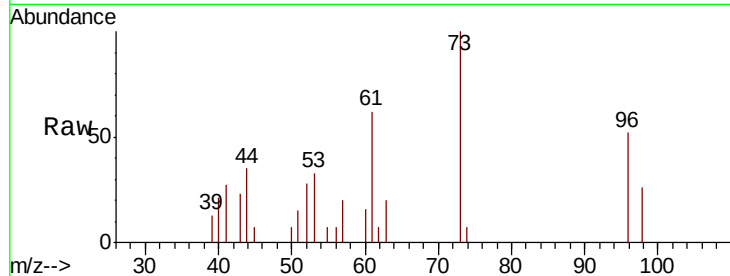




#21
trans-1,2-Dichloroethene
Concen: 1.049 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

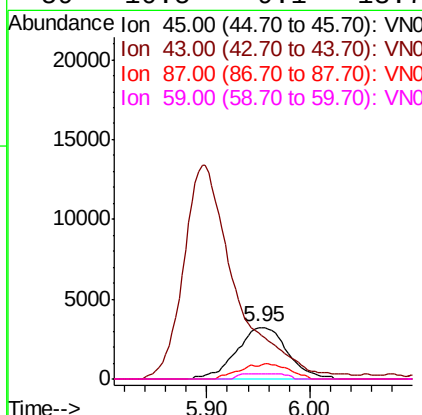
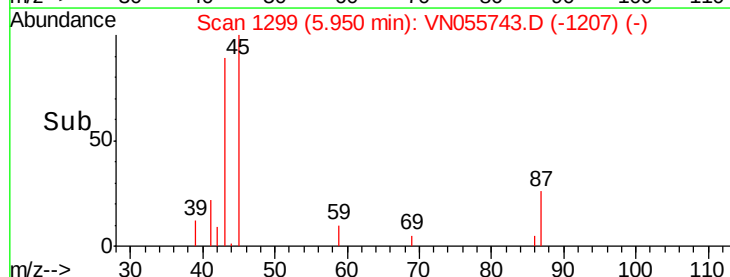
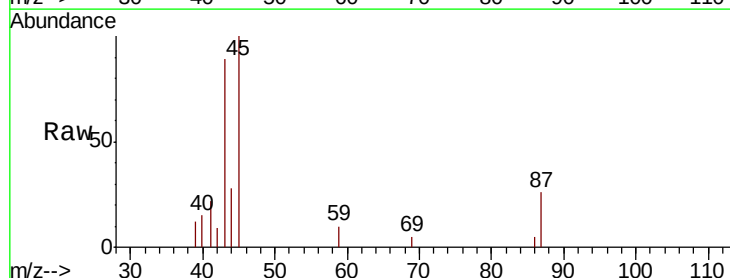
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

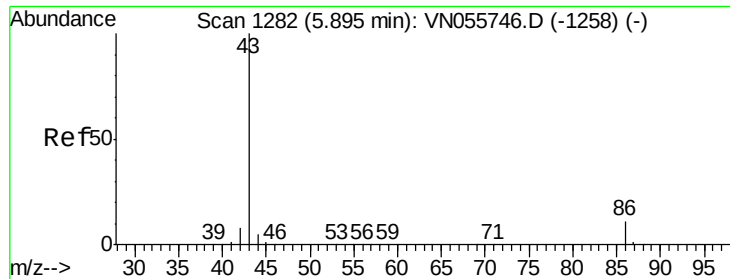
Tot Ion: 96 Resp: 3623
Ion Ratio Lower Upper
96 100
61 117.8 107.8 161.8
98 50.1 49.8 74.8



#22
Diisopropyl ether
Concen: 1.067 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 45 Resp: 11139
Ion Ratio Lower Upper
45 100
43 79.7 45.0 67.6#
87 25.5 22.2 33.4
59 10.5 9.1 13.7





#23

Vinyl Acetate

Concen: 5.304 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

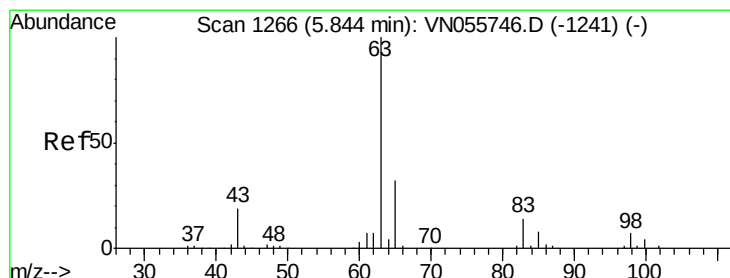
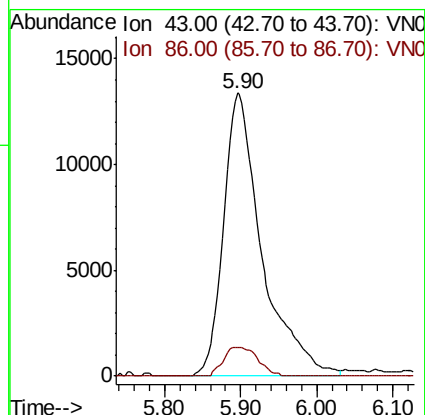
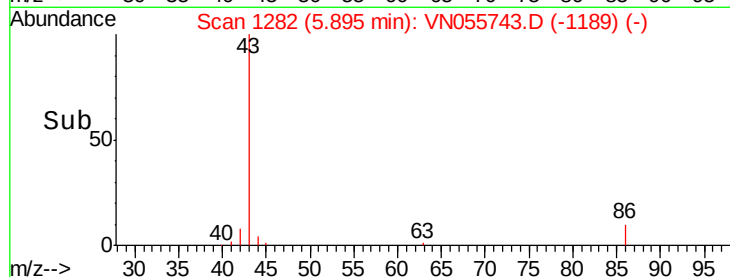
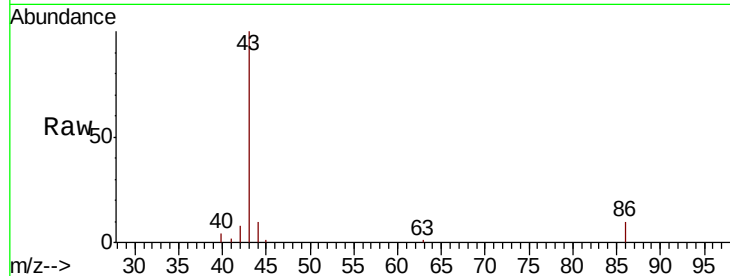
VSTDIC001

Tot Ion: 43 Resp: 46966

Ion Ratio Lower Upper

43 100

86 10.0 8.6 13.0



#24

1,1-Dichloroethane

Concen: 1.118 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

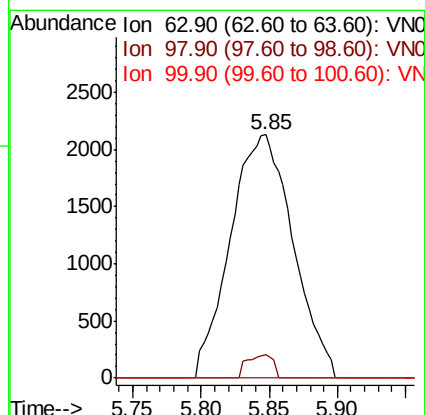
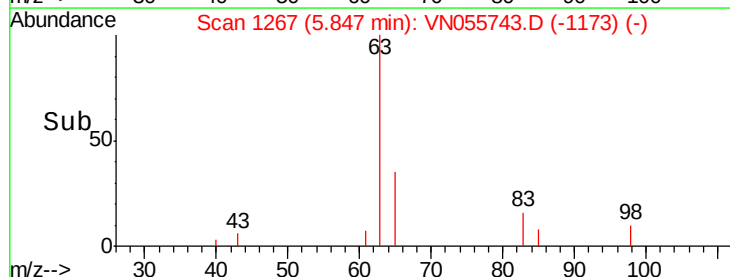
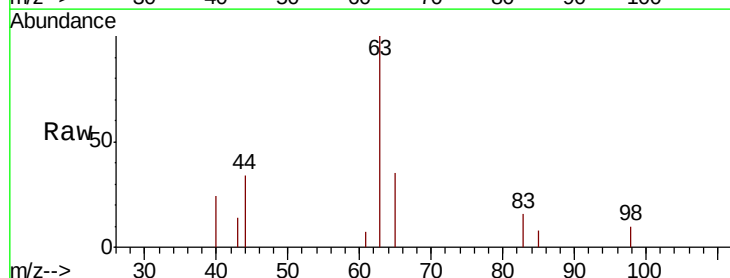
Tgt Ion: 63 Resp: 6795

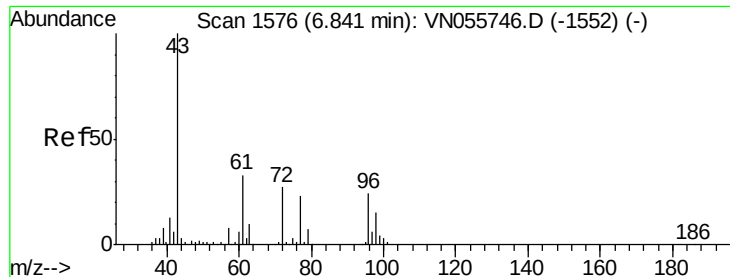
Ion Ratio Lower Upper

63 100

98 9.6 3.4 10.1

100 0.0 2.2 6.6#

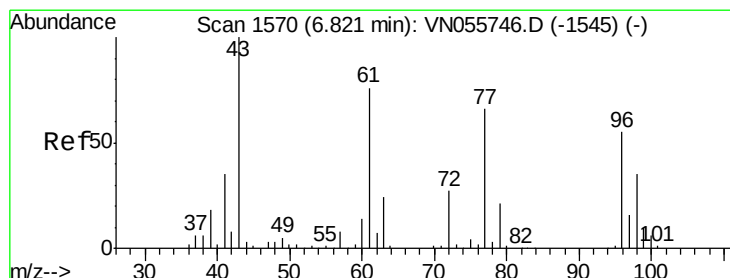
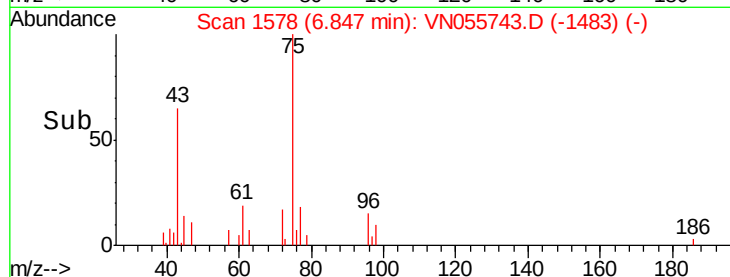
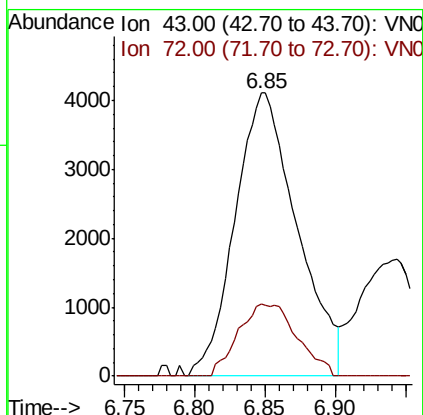
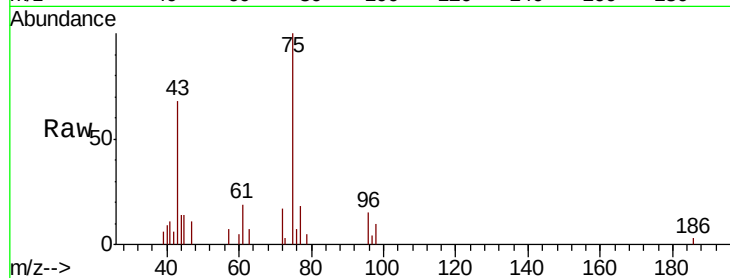




#25
2-Butanone
Concen: 5.639 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

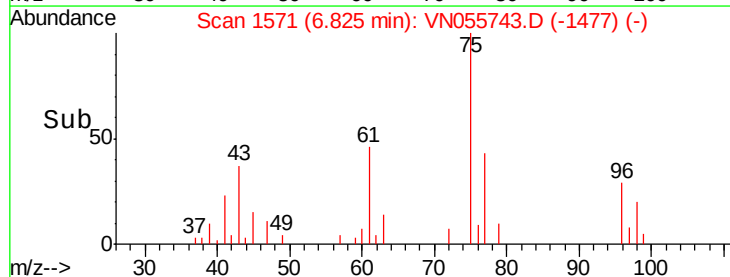
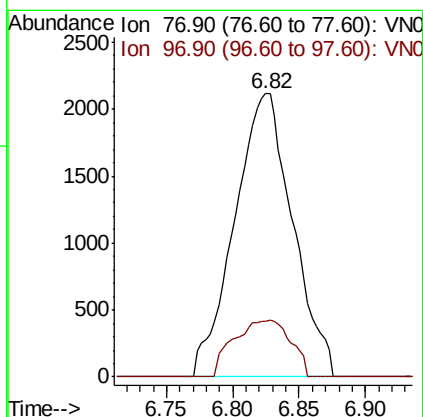
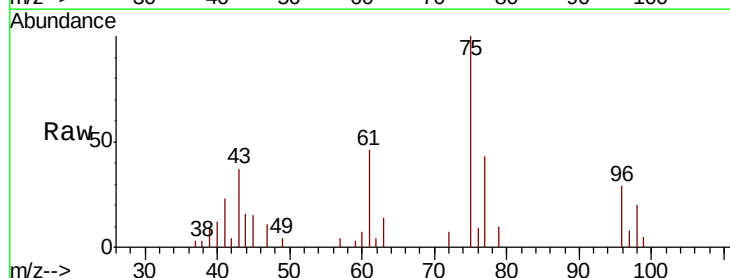
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

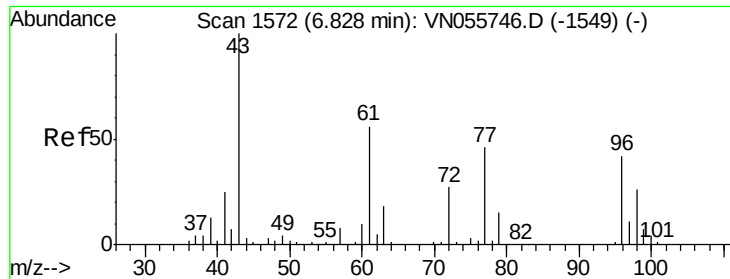
Tot Ion: 43 Resp: 12629
Ion Ratio Lower Upper
43 100
72 25.5 21.9 32.9



#26
2,2-Dichloropropane
Concen: 1.200 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 77 Resp: 6461
Ion Ratio Lower Upper
77 100
97 19.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 0.555 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

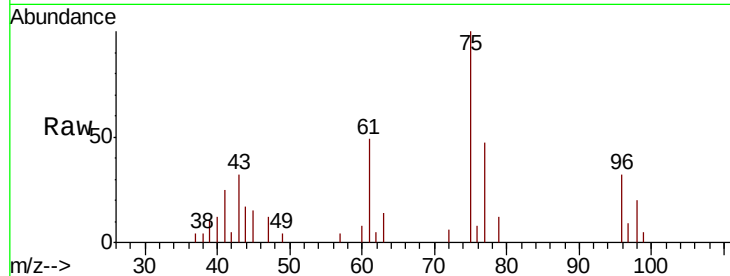
Tot Ion: 96 Resp: 2239

Ion Ratio Lower Upper

96 100

61 273.0 0.0 275.8

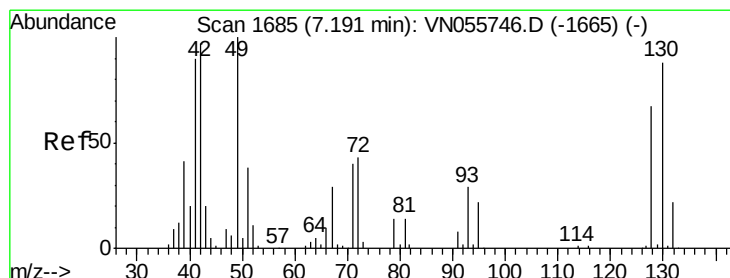
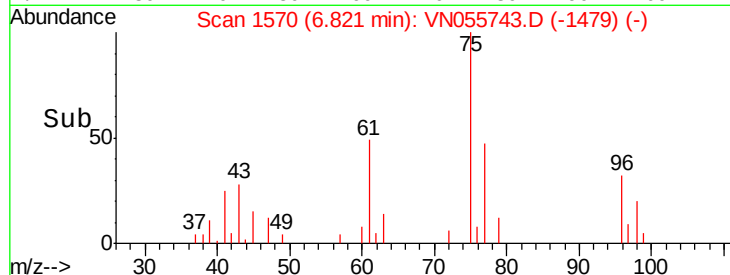
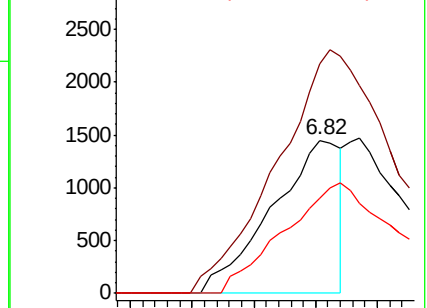
98 119.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 1.107 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

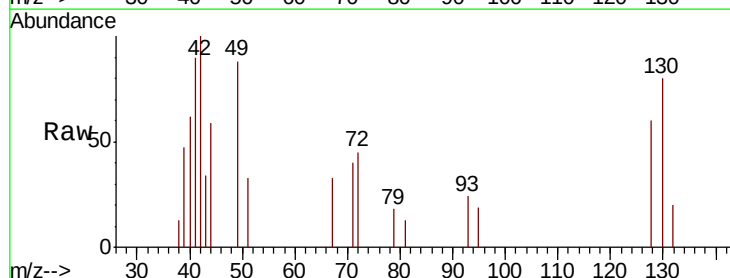
Tgt Ion: 49 Resp: 2972

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

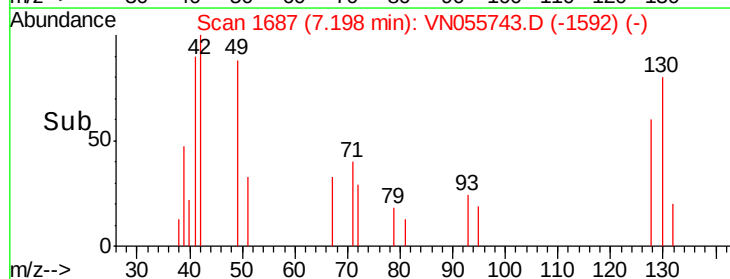
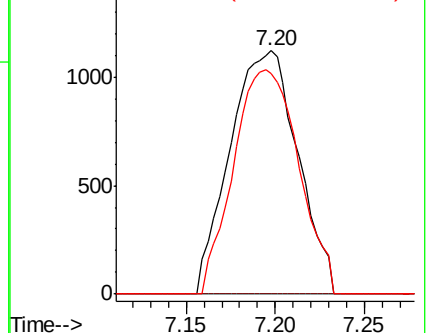
130 88.5 71.2 106.8

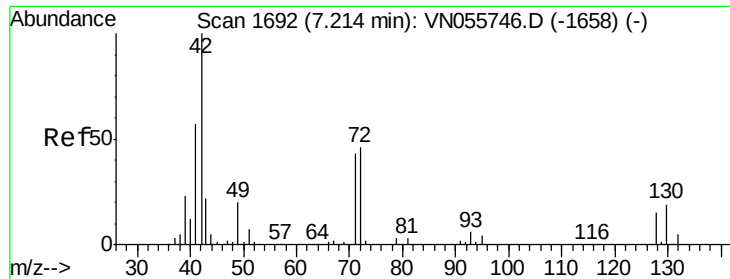


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

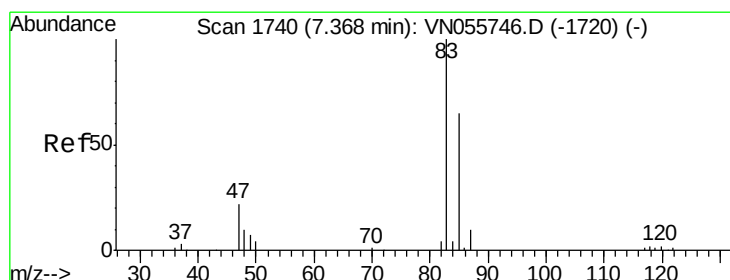
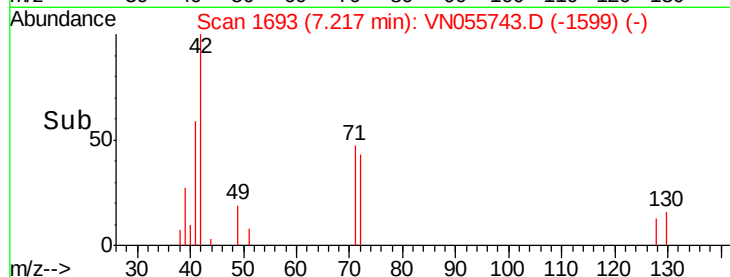
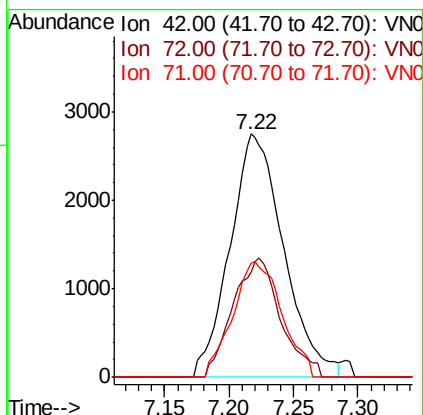
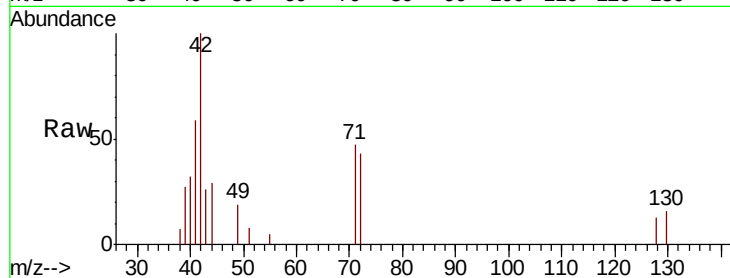




#29
Tetrahydrofuran
Concen: 5.388 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

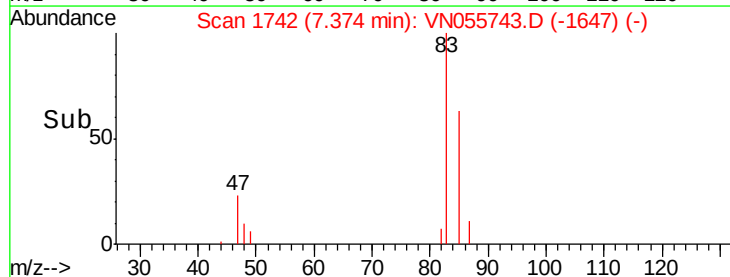
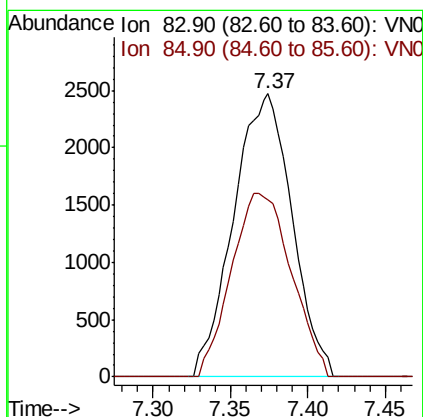
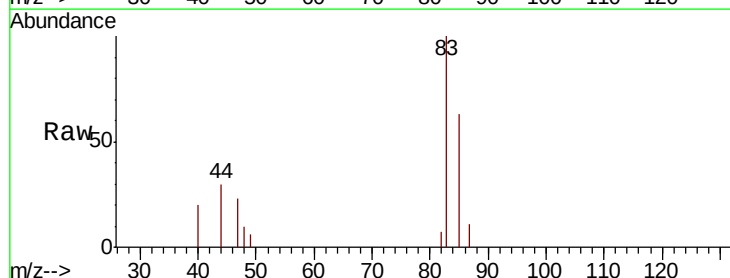
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

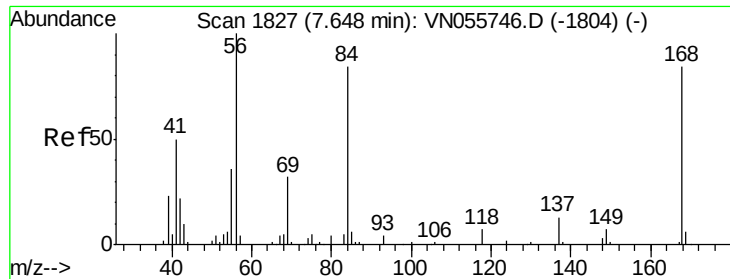
Tot Ion: 42 Resp: 7978
Ion Ratio Lower Upper
42 100
72 43.6 35.9 53.9
71 43.5 34.0 51.0



#30
Chloroform
Concen: 1.037 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 83 Resp: 6493
Ion Ratio Lower Upper
83 100
85 62.7 51.8 77.8

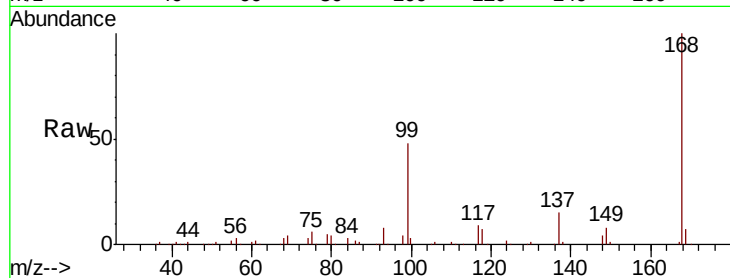




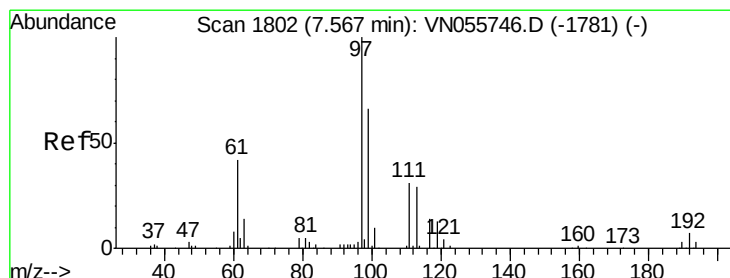
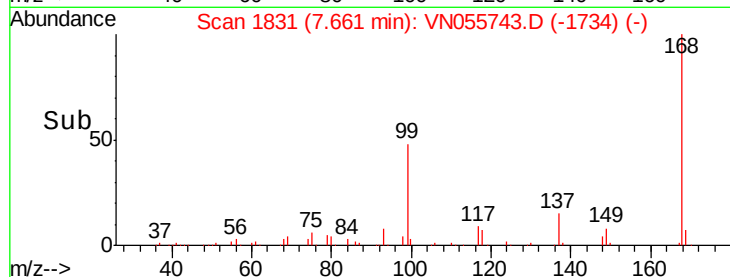
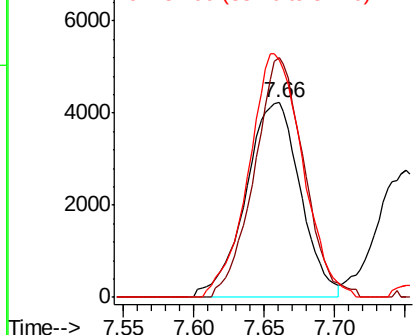
#31
Cyclohexane
Concen: 1.970 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 11427
Ion Ratio Lower Upper
56 100
69 123.3 25.6 38.4#
84 121.6 67.4 101.0#

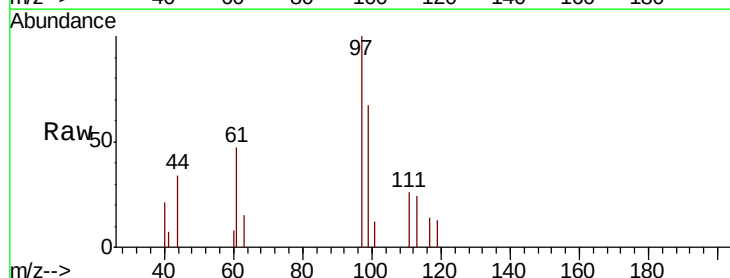


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

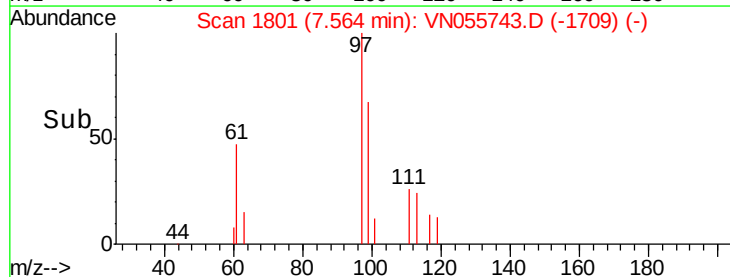
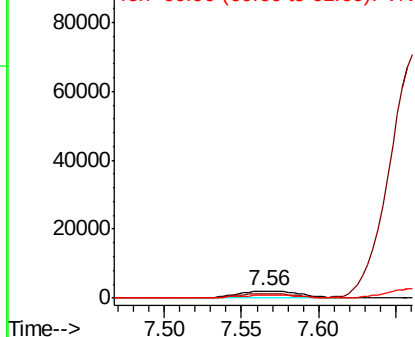


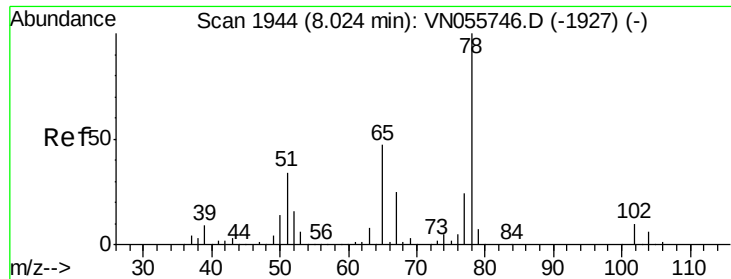
#32
1,1,1-Trichloroethane
Concen: 1.055 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 97 Resp: 5912
Ion Ratio Lower Upper
97 100
99 0.0 52.0 78.0#
61 40.3 32.9 49.3



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

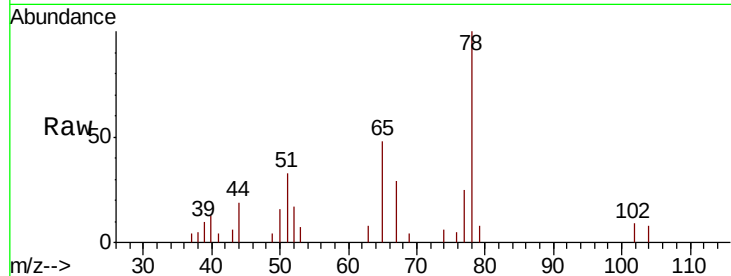




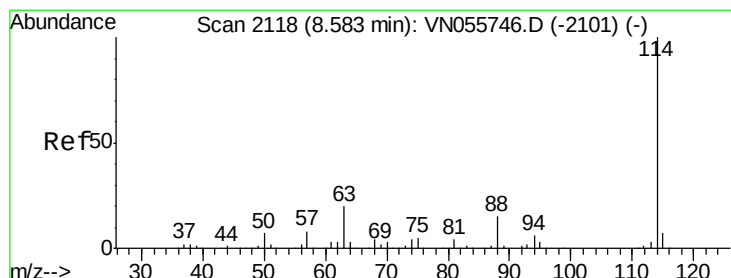
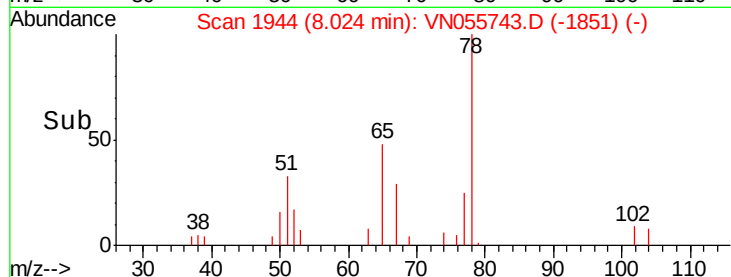
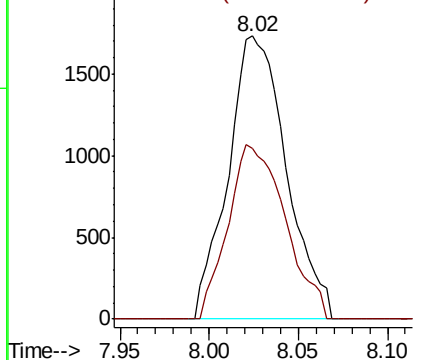
#33
 1,2-Dichloroethane-d4
 Concen: 1.015 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 65 Resp: 3951
 Ion Ratio Lower Upper
 65 100
 67 60.6 0.0 109.2

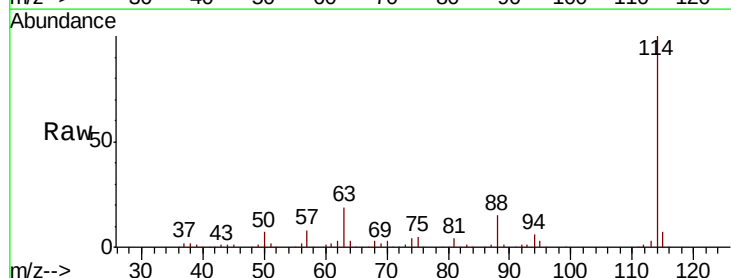


Abundance Ion 64.90 (64.60 to 65.60): VN055743.D (-1851) (-)
 Ion 66.90 (66.60 to 67.60): VN055743.D (-1851) (-)

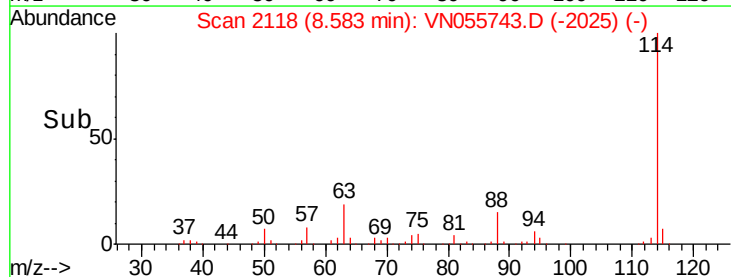
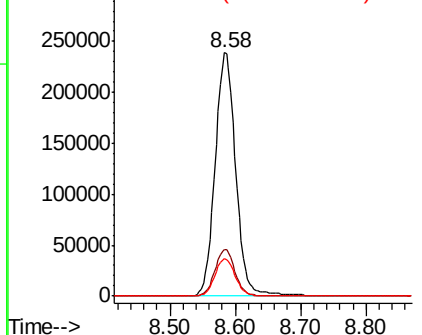


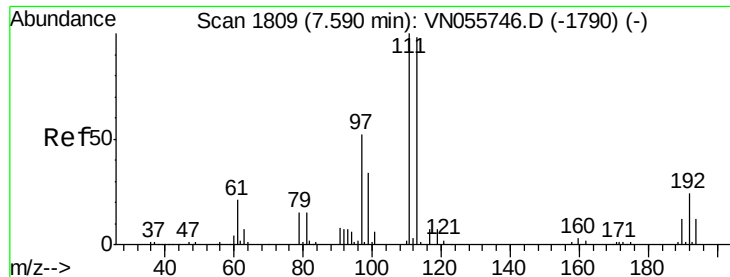
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion: 114 Resp: 526240
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055743.D (-2025) (-)
 Ion 63.00 (62.70 to 63.70): VN055743.D (-2025) (-)
 Ion 87.90 (87.60 to 88.60): VN055743.D (-2025) (-)

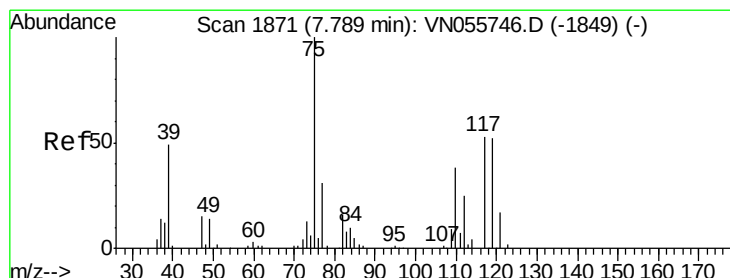
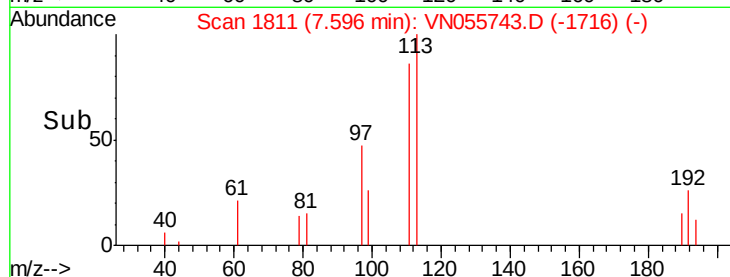
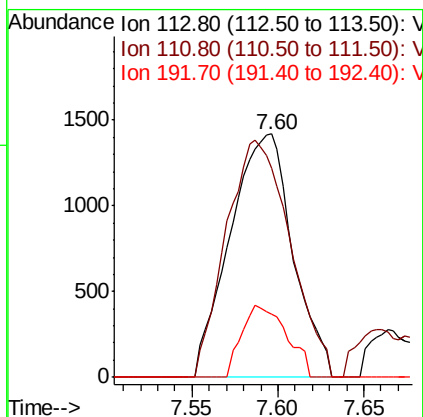
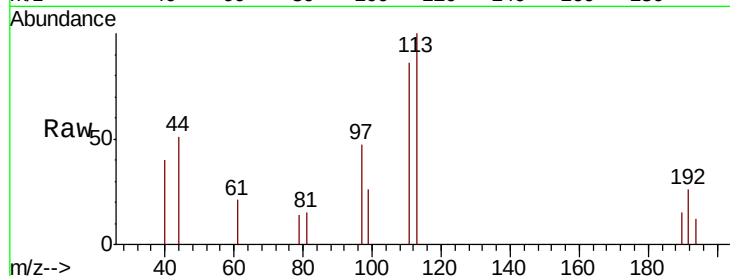




#35
 Dibromofluoromethane
 Concen: 1.078 ug/l
 RT: 7.60 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

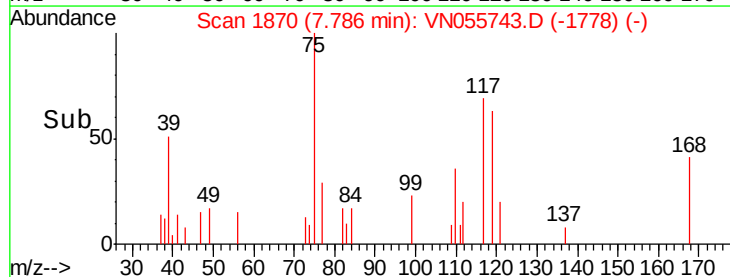
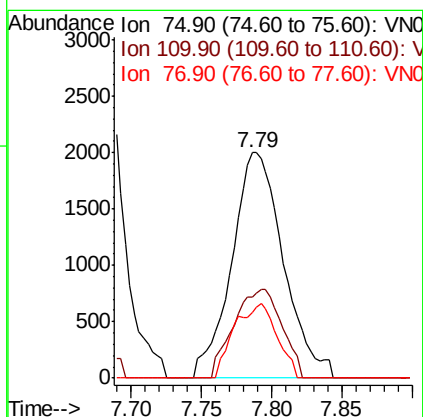
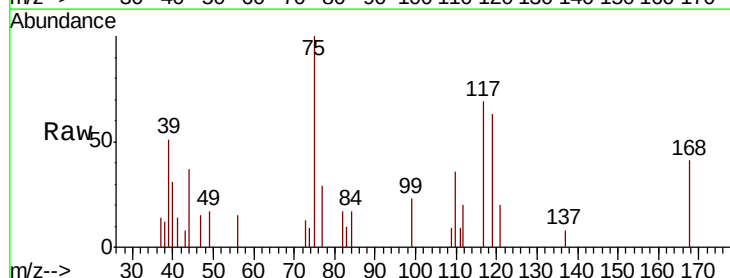
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

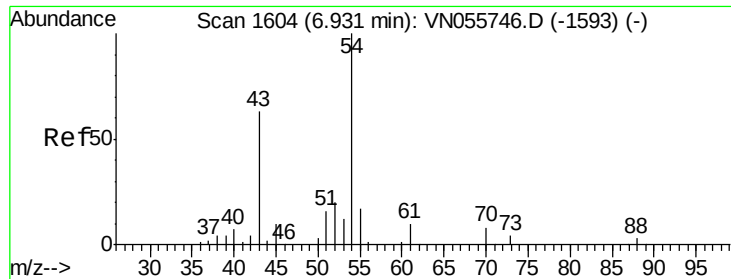
Tot Ion:113 Resp: 3597
 Ion Ratio Lower Upper
 113 100
 111 99.5 81.9 122.9
 192 21.1 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 1.100 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion: 75 Resp: 5134
 Ion Ratio Lower Upper
 75 100
 110 36.7 19.0 57.0
 77 27.2 25.1 37.7

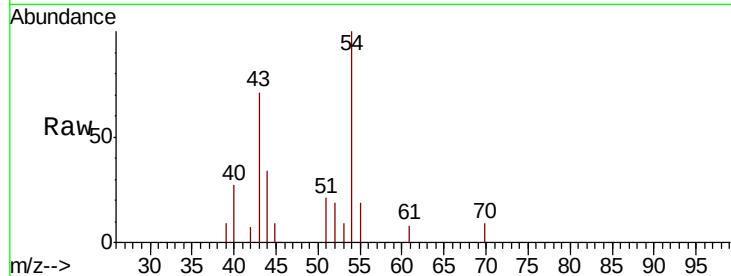




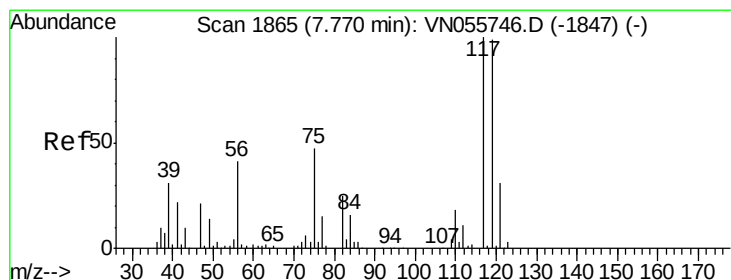
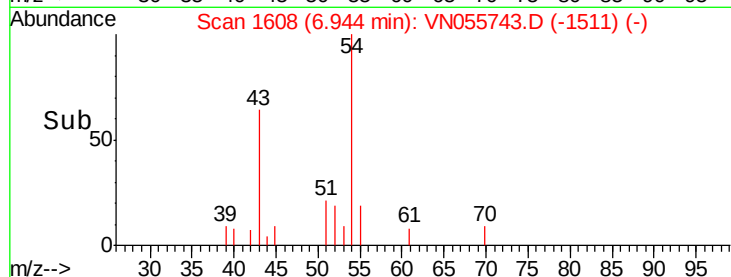
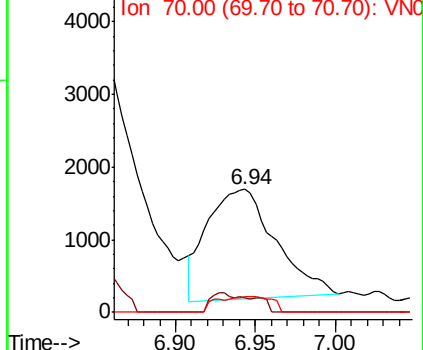
#37
Ethyl Acetate
Concen: 1.062 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 4491
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 7.7 8.9 13.3#

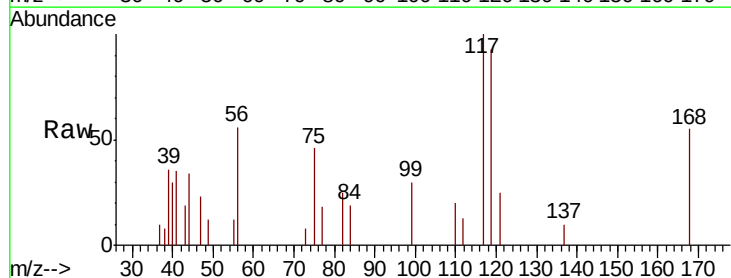


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

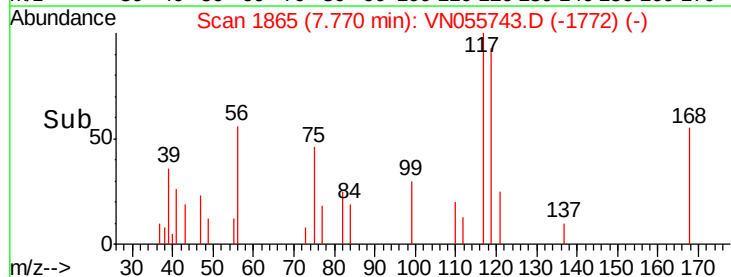
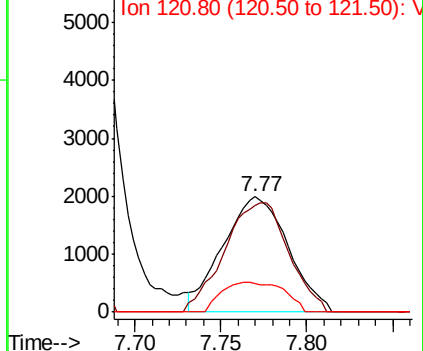


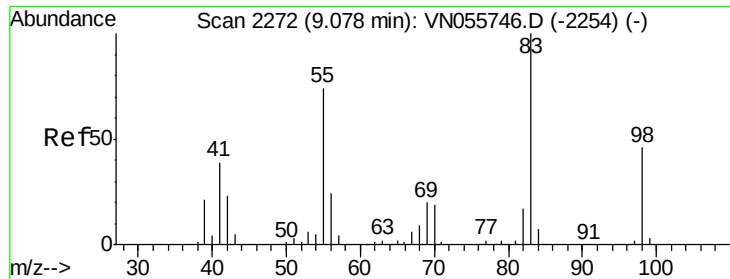
#38
Carbon Tetrachloride
Concen: 1.051 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 117 Resp: 5250
Ion Ratio Lower Upper
117 100
119 92.6 79.0 118.6
121 24.6 24.7 37.1#



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

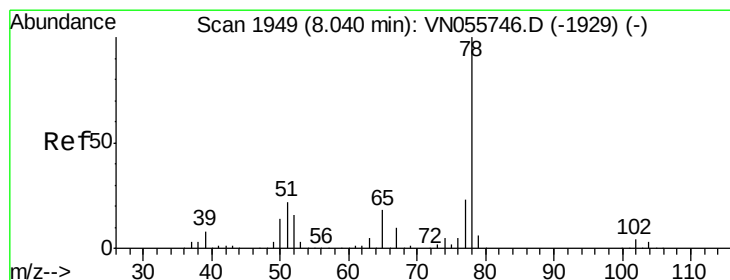
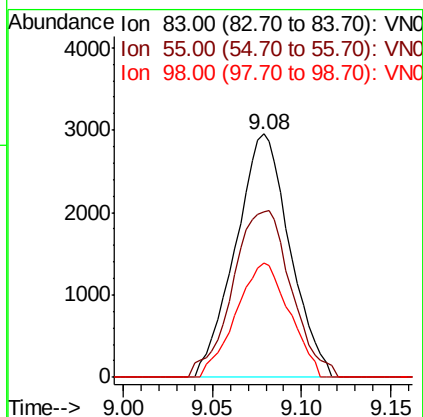
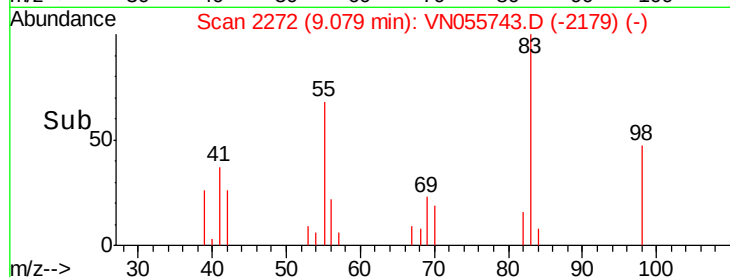
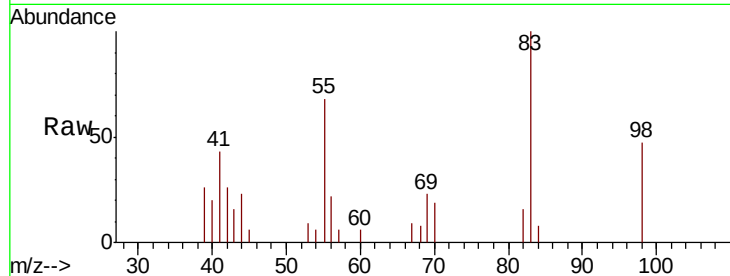




#39
Methylvlcyclohexane
Concen: 1.107 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

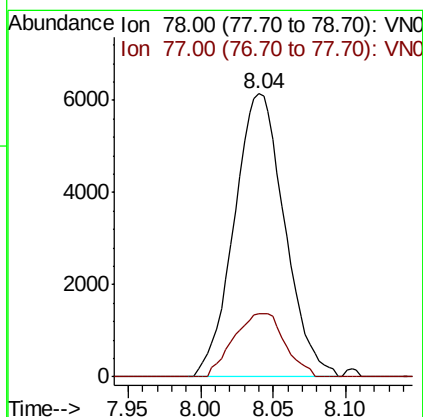
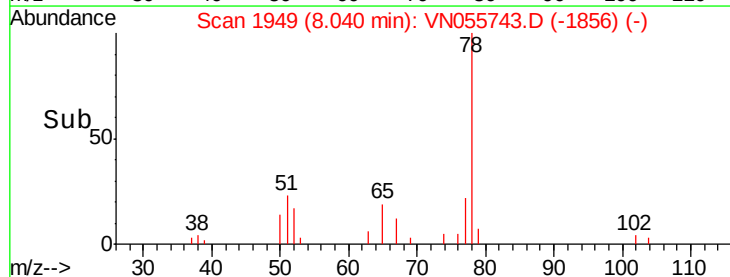
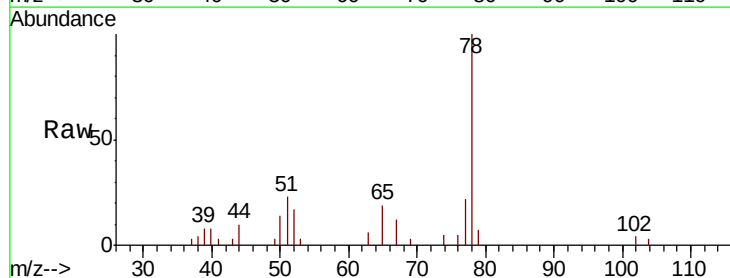
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

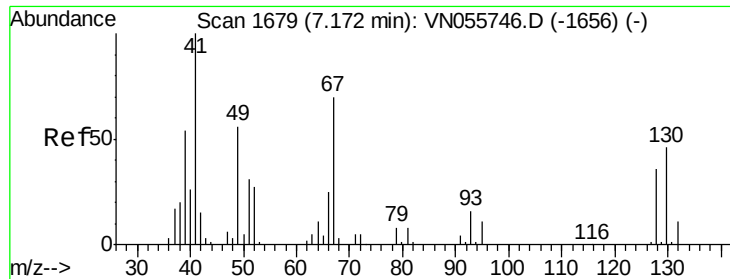
Tot Ion: 83 Resp: 6266
Ion Ratio Lower Upper
83 100
55 67.8 59.3 88.9
98 46.9 36.6 54.8



#40
Benzene
Concen: 1.078 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 78 Resp: 14894
Ion Ratio Lower Upper
78 100
77 22.2 18.8 28.2

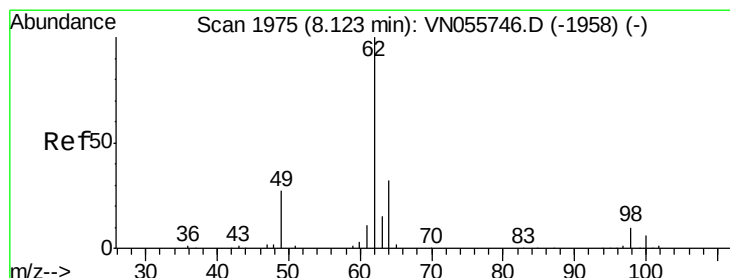
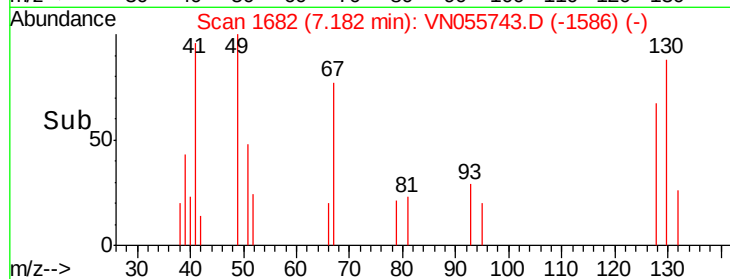
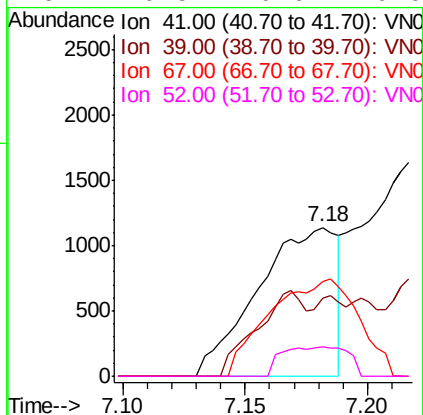
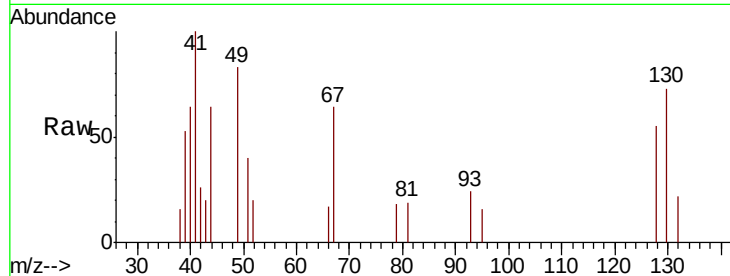




#41
Methacrylonitrile
Concen: 1.398 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

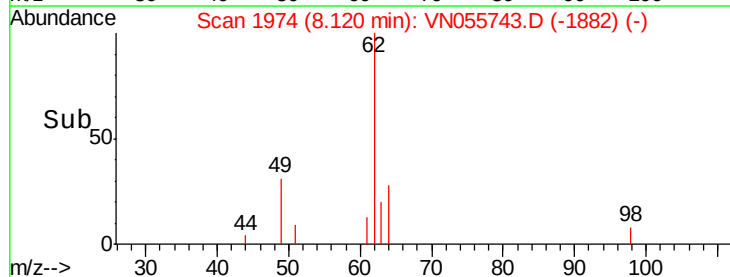
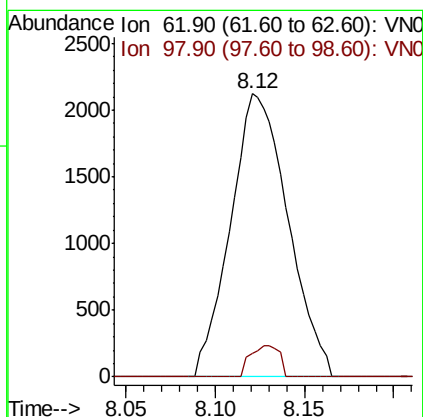
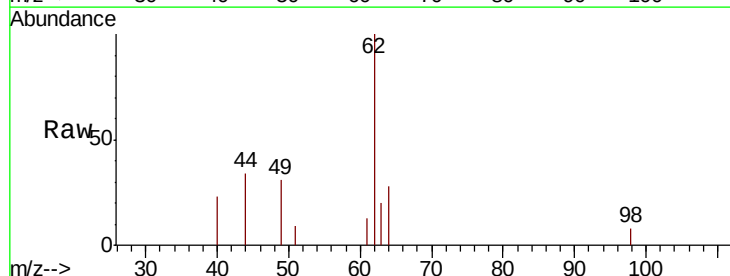
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

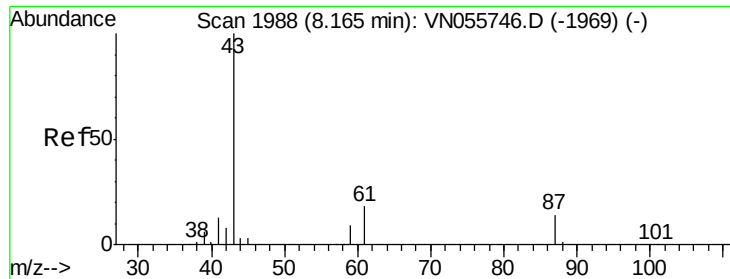
Tot Ion: 41 Resp: 2567
Ion Ratio Lower Upper
41 100
39 35.4 45.6 68.4#
67 73.2 67.7 101.5
52 16.5 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 1.067 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 62 Resp: 4764
Ion Ratio Lower Upper
62 100
98 5.6 0.0 20.2





#43

Isopropyl Acetate

Concen: 1.103 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

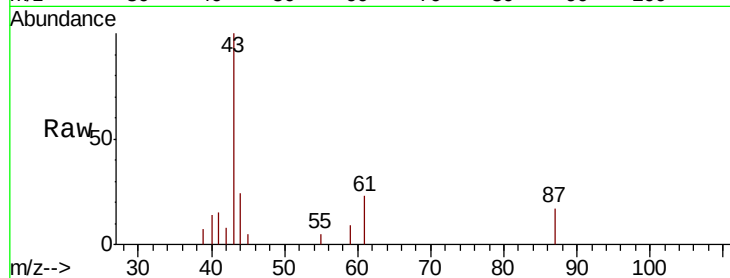
Tot Ion: 43 Resp: 8127

Ion Ratio Lower Upper

43 100

61 19.0 22.2 33.4#

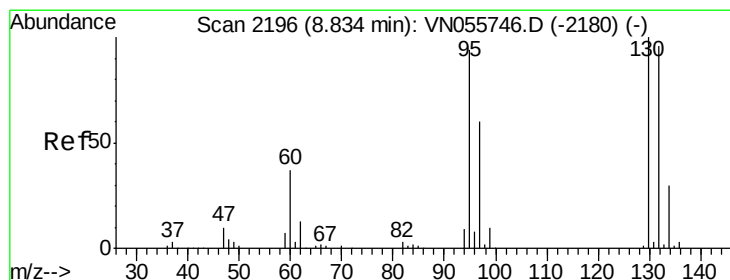
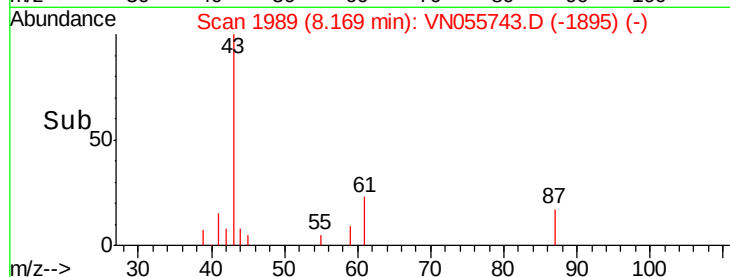
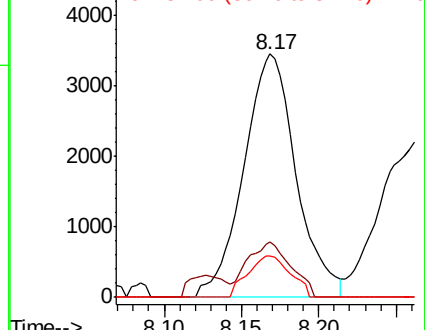
87 13.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 1.008 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055743.D

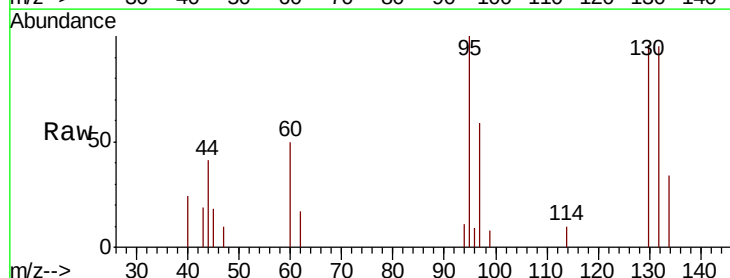
Acq: 23 May 2019 9:21

Tgt Ion: 130 Resp: 3923

Ion Ratio Lower Upper

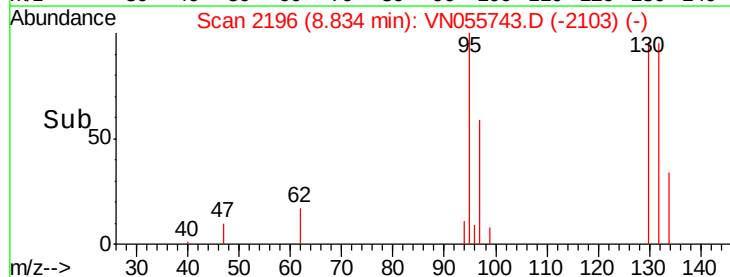
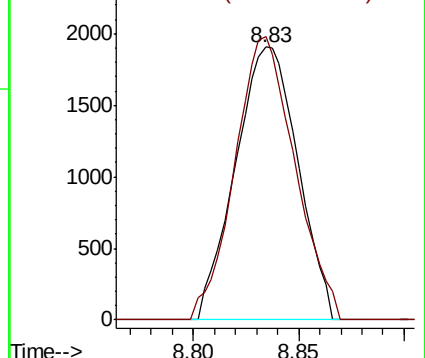
130 100

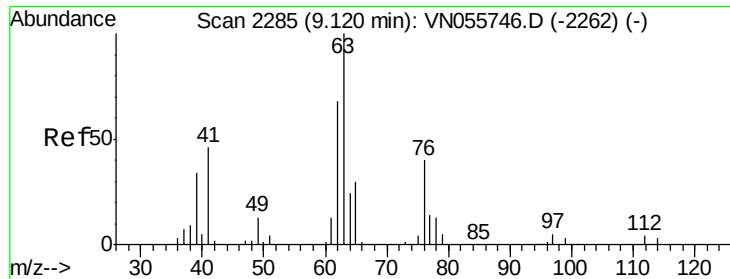
95 103.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 1.016 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

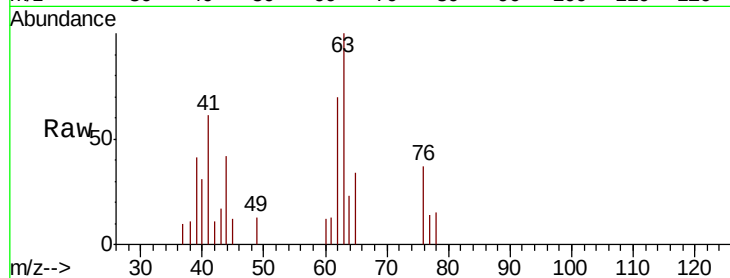
VSTDIC001

Tot Ion: 63 Resp: 3692

Ion Ratio Lower Upper

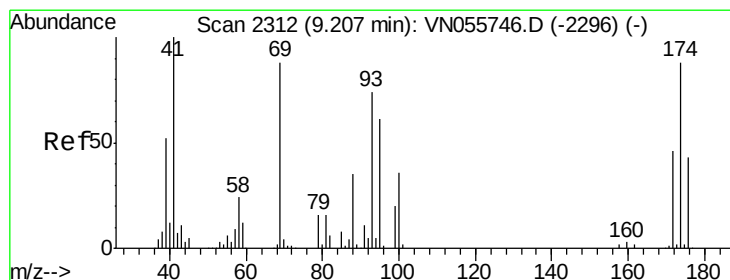
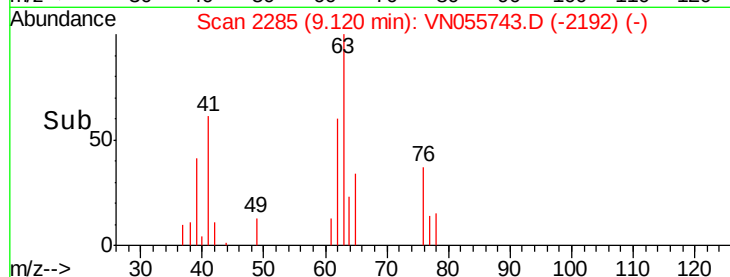
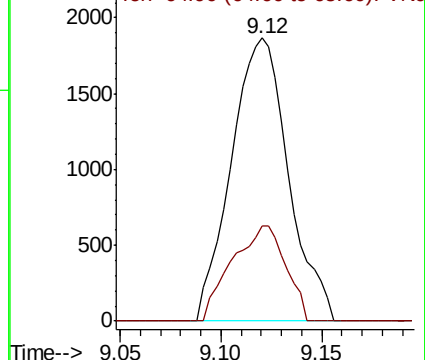
63 100

65 33.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 0.979 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

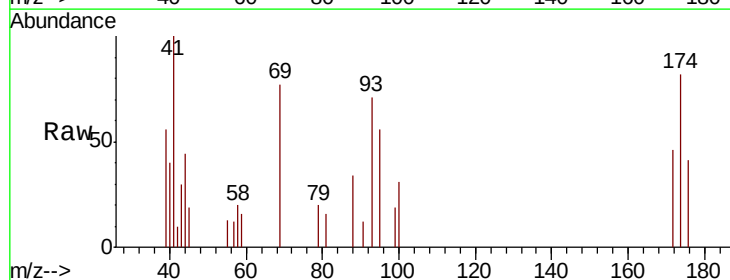
Tgt Ion: 93 Resp: 2333

Ion Ratio Lower Upper

93 100

95 89.2 66.7 100.1

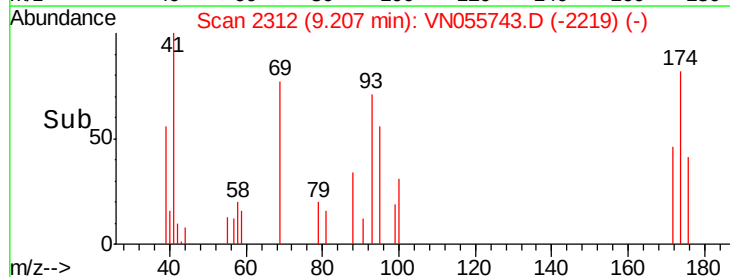
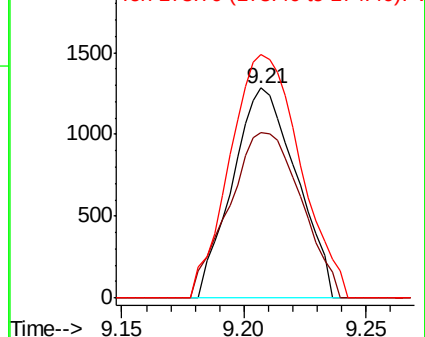
174 127.6 96.4 144.6

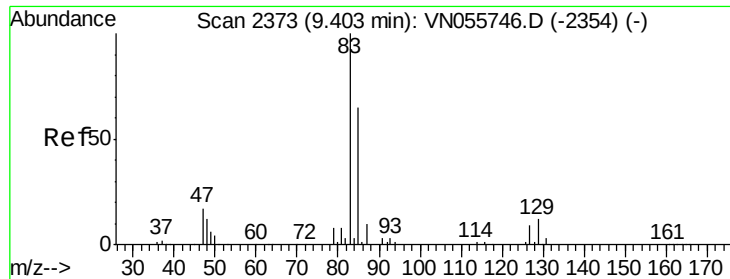


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.059 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

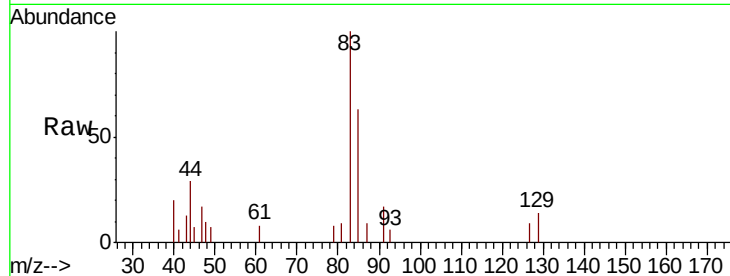
Tot Ion: 83 Resp: 5266

Ion Ratio Lower Upper

83 100

85 62.9 52.2 78.2

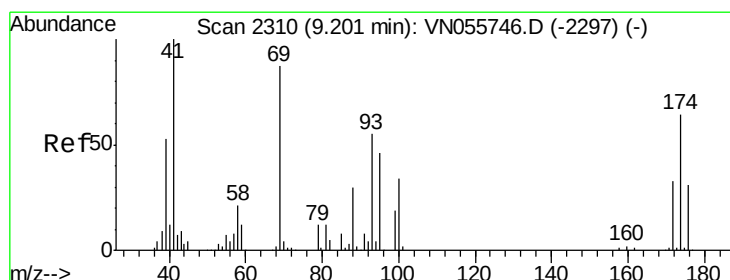
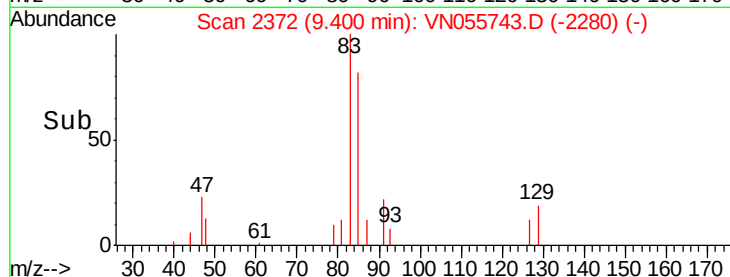
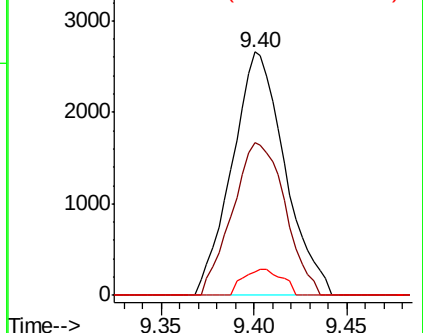
127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)



#48

Methyl methacrylate

Concen: 1.011 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

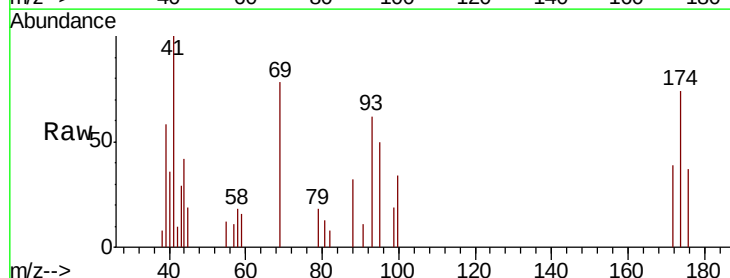
Tgt Ion: 41 Resp: 3337

Ion Ratio Lower Upper

41 100

69 98.3 71.0 106.6

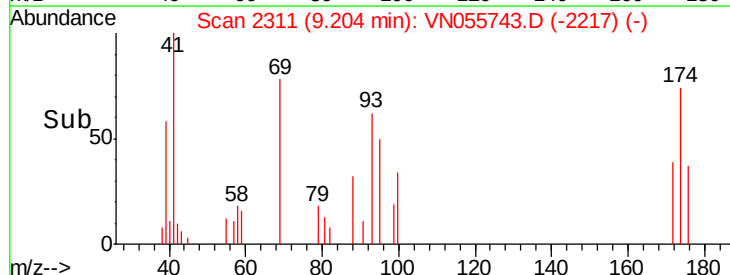
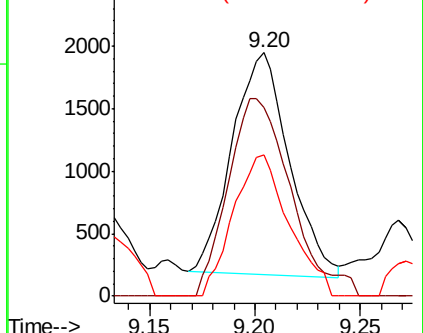
39 62.0 44.2 66.2

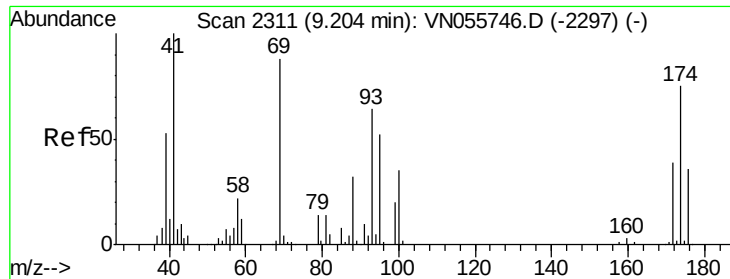


Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)





#49

1,4-Dioxane

Concen: 22.421 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

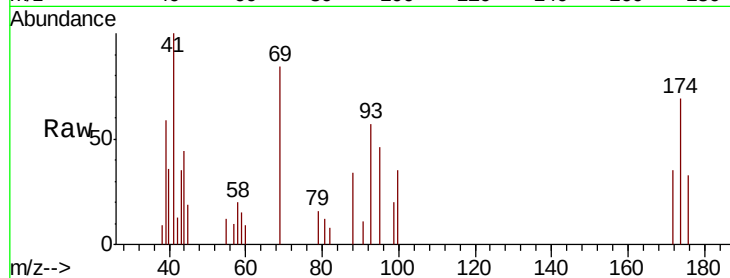
Tot Ion: 88 Resp: 1467

Ion Ratio Lower Upper

88 100

43 31.6 20.5 30.7#

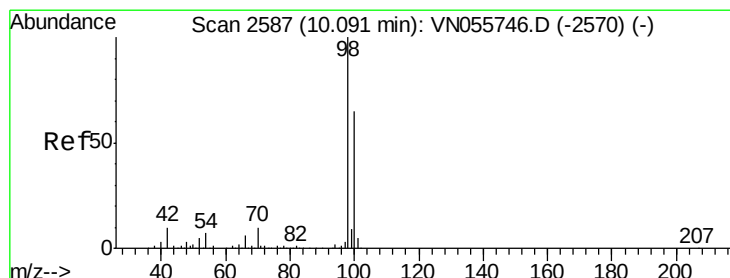
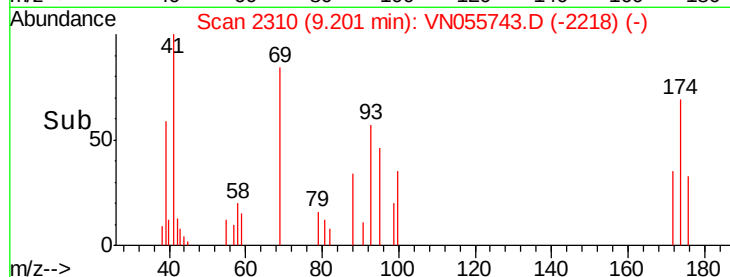
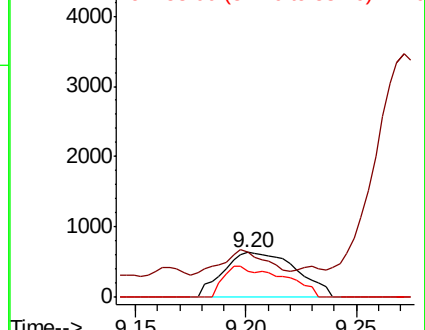
58 56.4 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 1.053 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055743.D

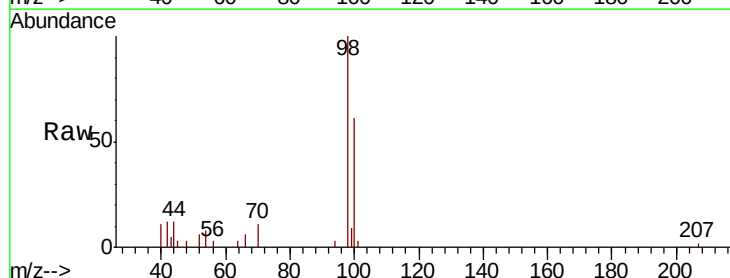
Acq: 23 May 2019 9:21

Tgt Ion: 98 Resp: 13321

Ion Ratio Lower Upper

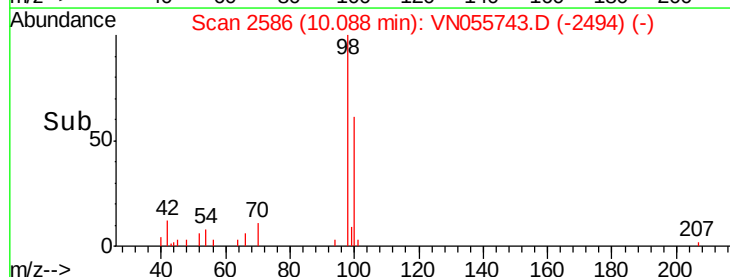
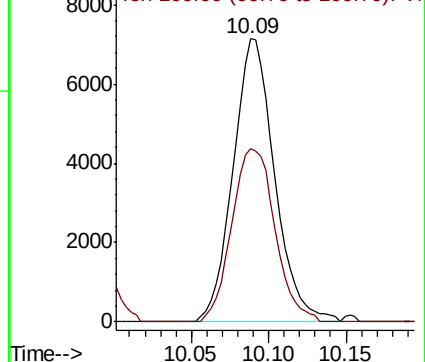
98 100

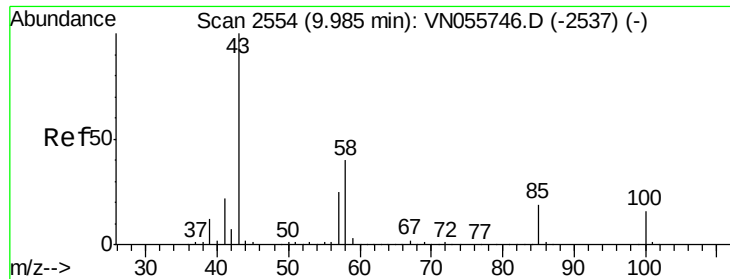
100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 5.291 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

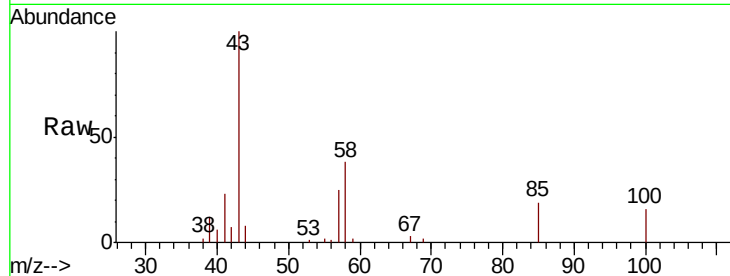
VSTDIC001

Tot Ion: 43 Resp: 23038

Ion Ratio Lower Upper

43 100

58 38.7 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

15000

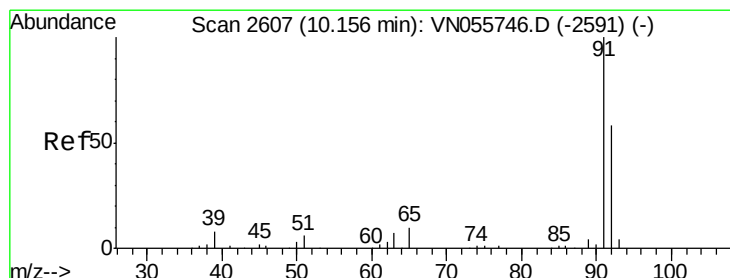
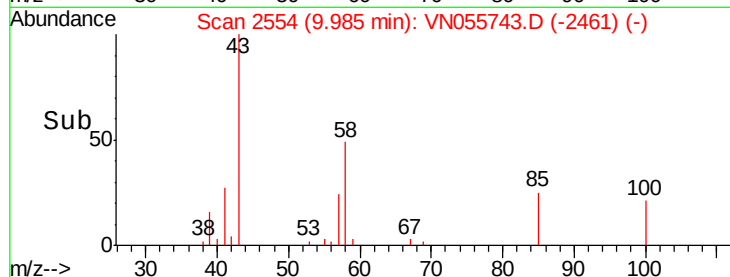
10000

5000

0

Time-->

9.90 9.95 10.00 10.05



#52

Toluene

Concen: 1.050 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055743.D

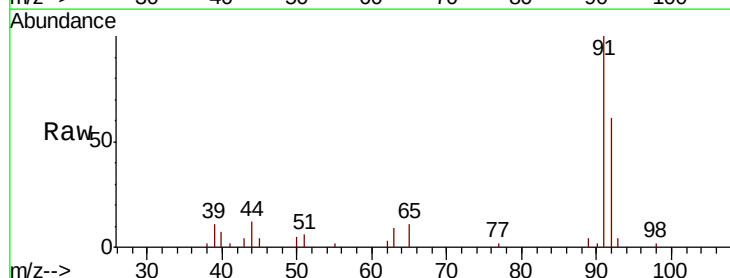
Acq: 23 May 2019 9:21

Tgt Ion: 92 Resp: 9119

Ion Ratio Lower Upper

92 100

91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

8000

6000

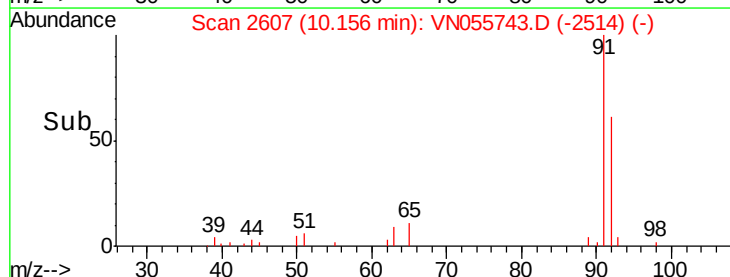
4000

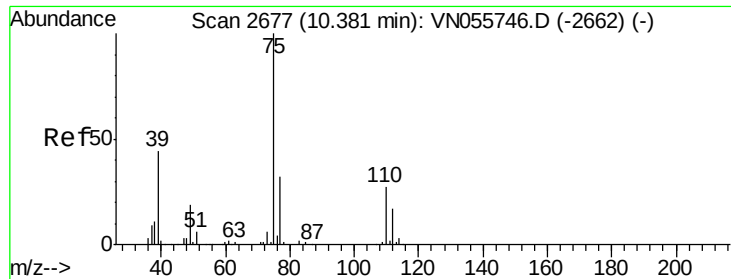
2000

0

Time-->

10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 0.940 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

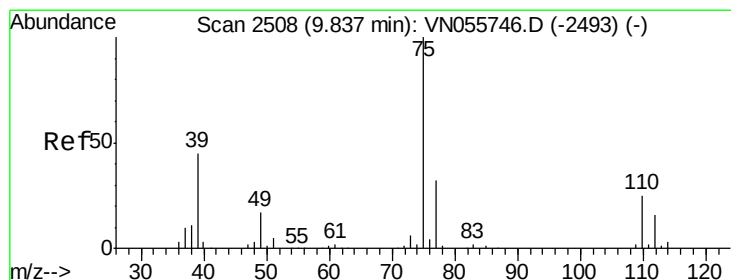
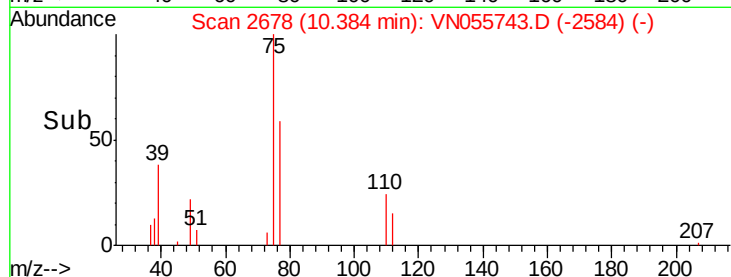
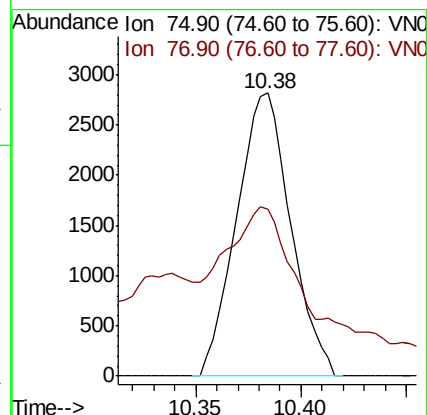
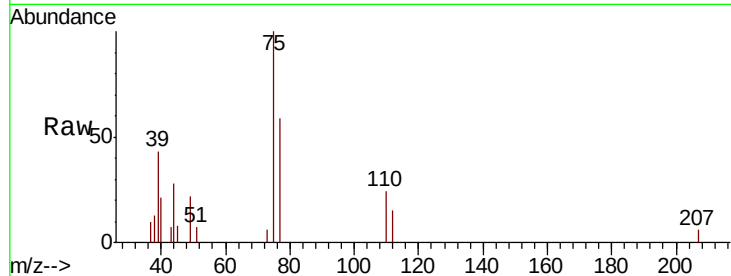
VSTDIC001

Tot Ion: 75 Resp: 5019

Ion Ratio Lower Upper

75 100

77 41.0 25.8 38.6#



#54

cis-1,3-Dichloropropene

Concen: 0.980 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

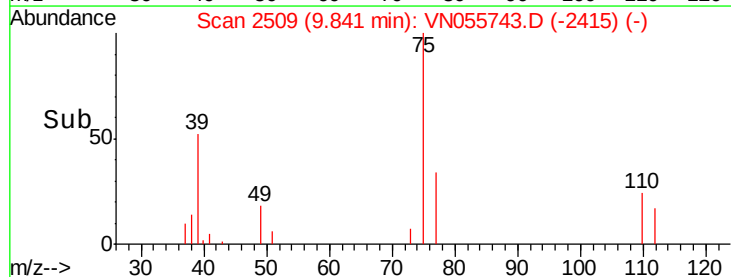
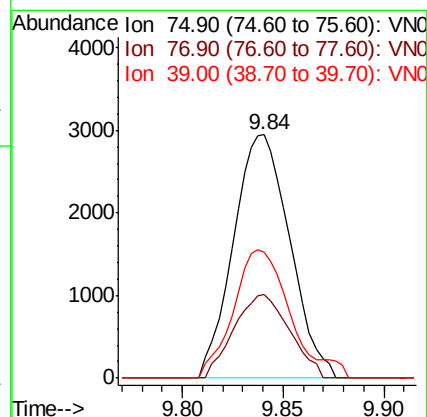
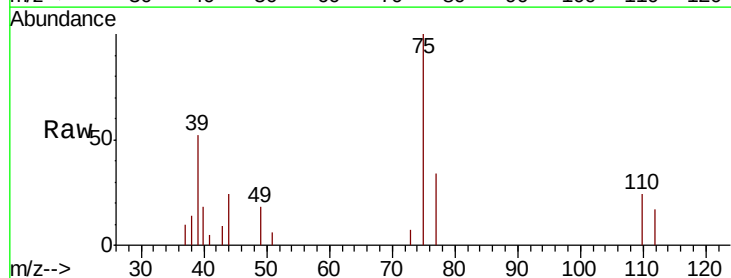
Tgt Ion: 75 Resp: 5735

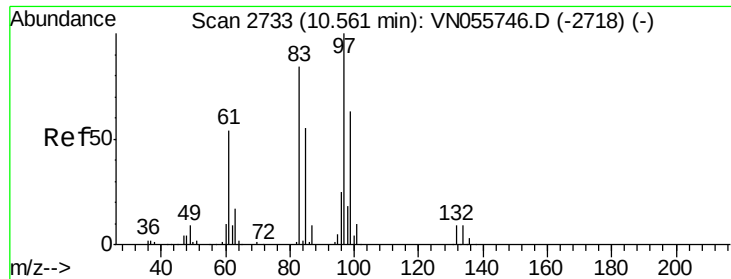
Ion Ratio Lower Upper

75 100

77 34.4 25.4 38.0

39 51.8 36.3 54.5

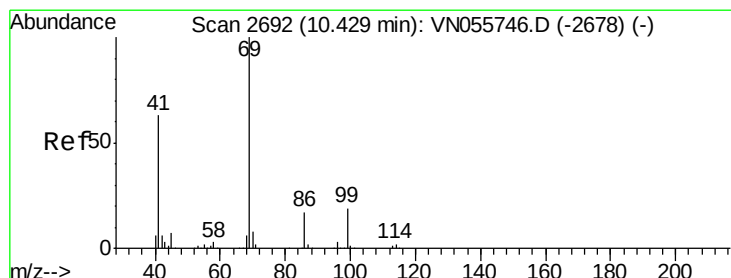
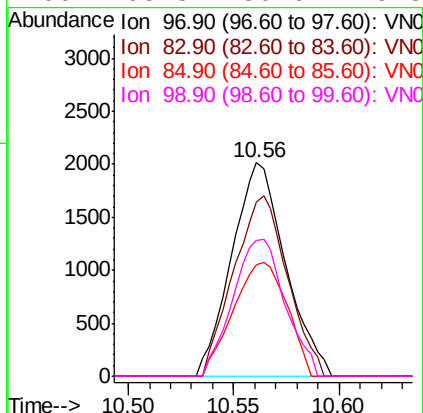
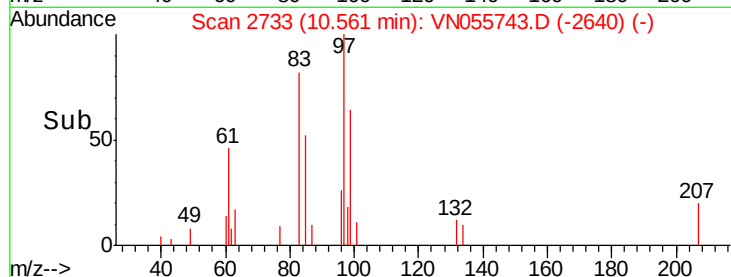
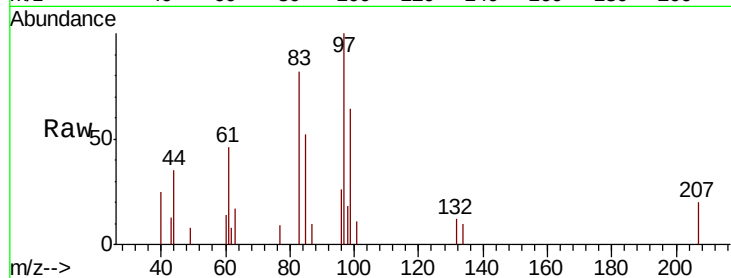




#55
 1,1,2-Trichloroethane
 Concen: 1.001 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

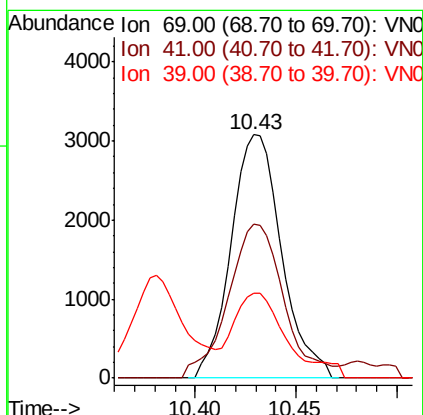
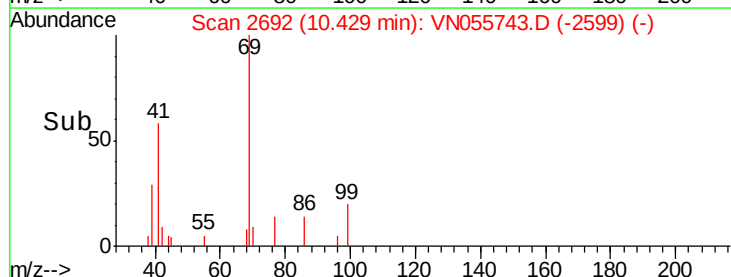
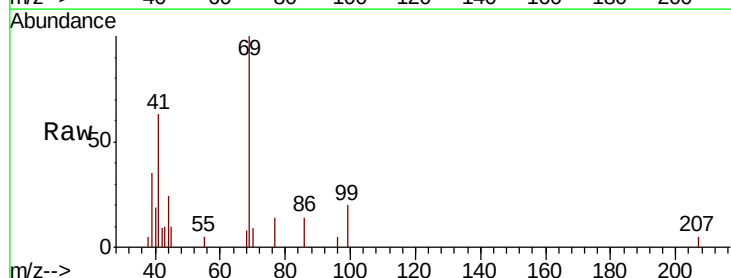
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

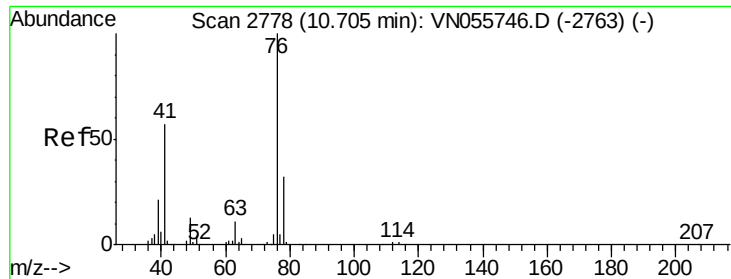
Tot Ion:	97	Resp:	3573
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.0	100.6
85	52.4	44.0	66.0
99	63.8	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 0.969 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion:	69	Resp:	5405
Ion	Ratio	Lower	Upper
69	100		
41	69.3	49.7	74.5
39	37.7	24.7	37.1#





#57

1,3-Dichloropropane

Concen: 1.048 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

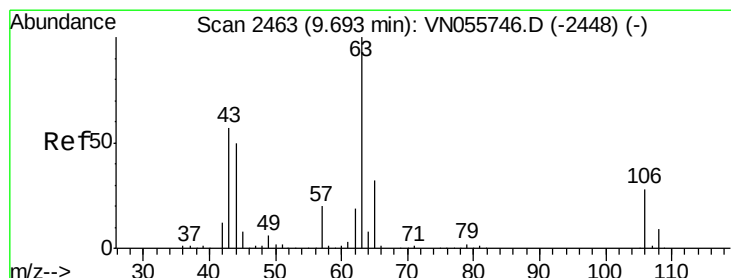
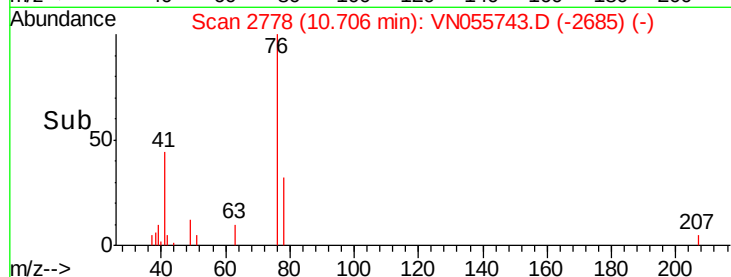
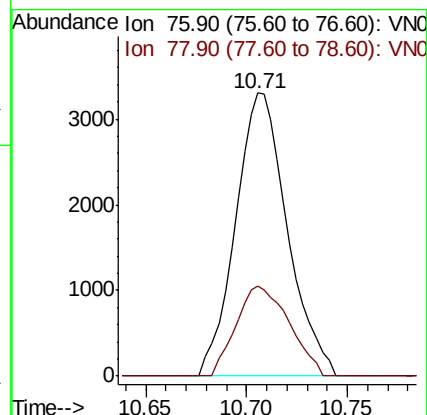
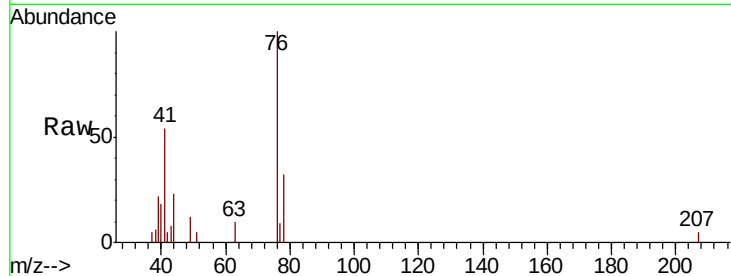
VSTDIC001

Tot Ion: 76 Resp: 5915

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 4.095 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055743.D

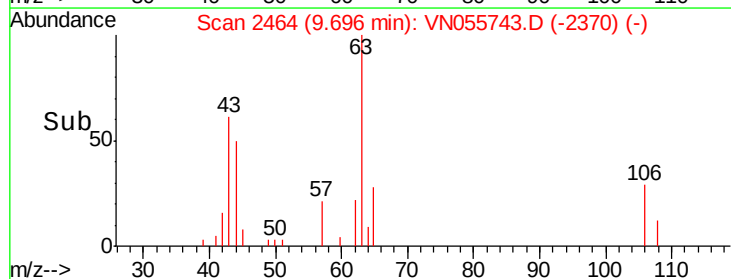
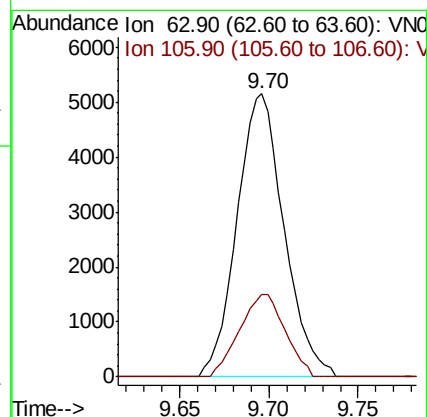
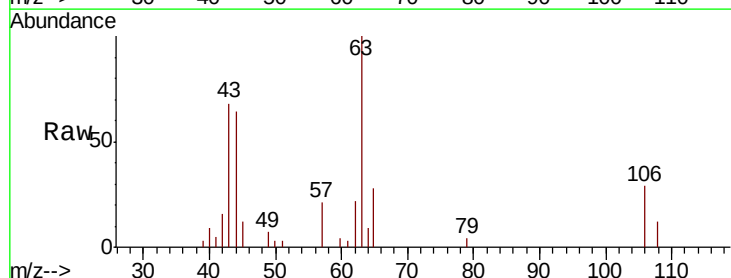
Acq: 23 May 2019 9:21

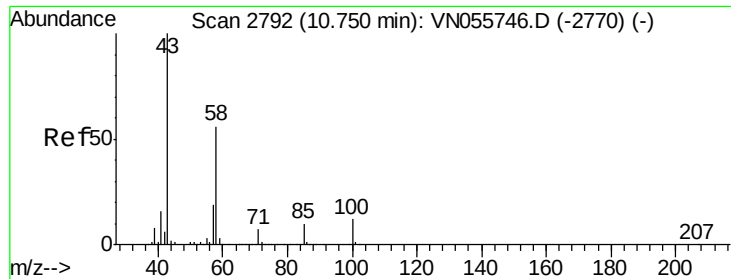
Tgt Ion: 63 Resp: 9483

Ion Ratio Lower Upper

63 100

106 28.2 22.7 34.1

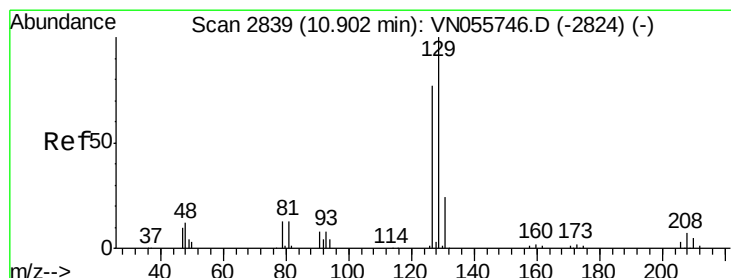
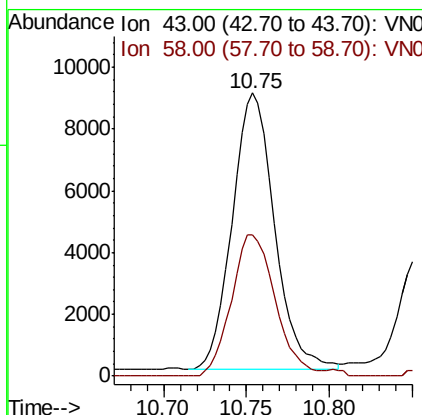
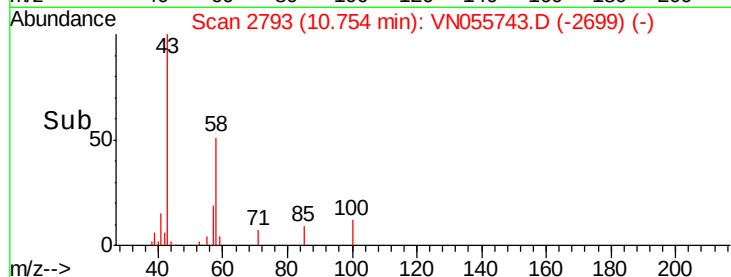
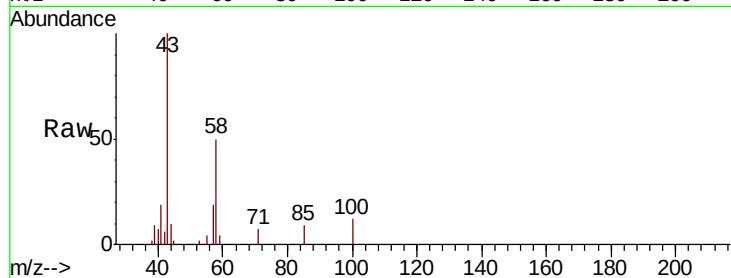




#59
2-Hexanone
Concen: 5.209 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

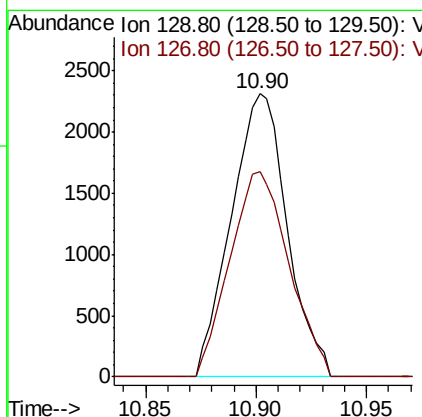
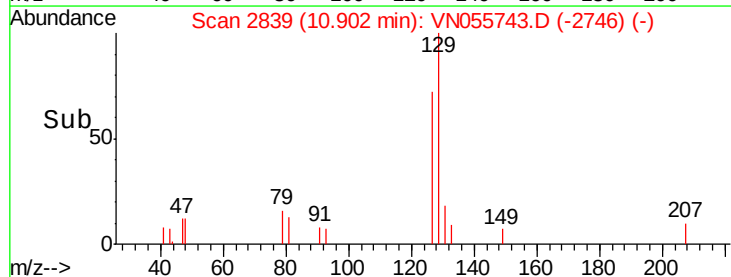
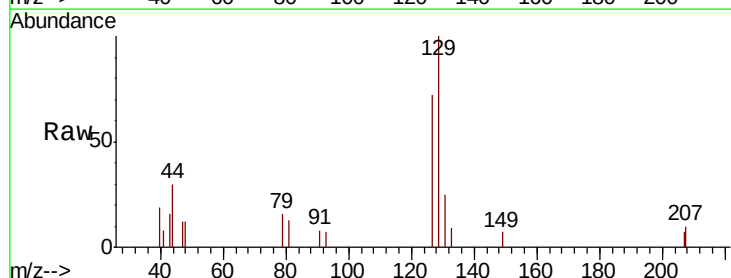
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

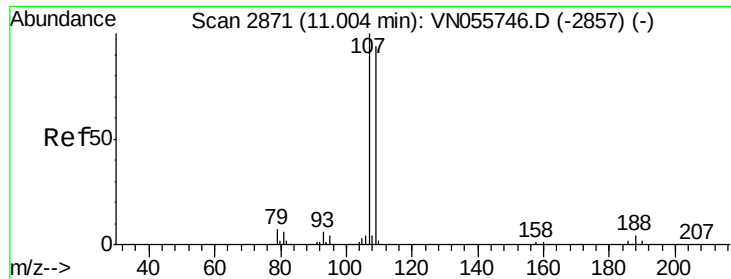
Tot Ion: 43 Resp: 15939
Ion Ratio Lower Upper
43 100
58 52.9 28.2 84.7



#60
Dibromochloromethane
Concen: 1.007 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 129 Resp: 4075
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3

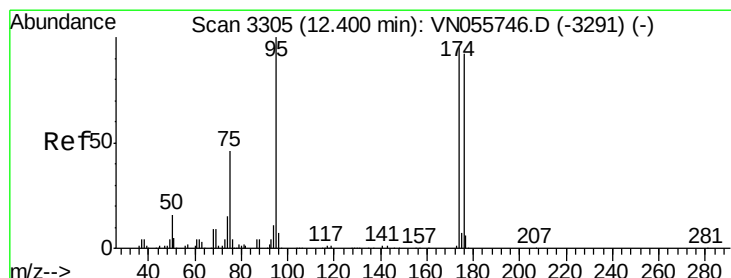
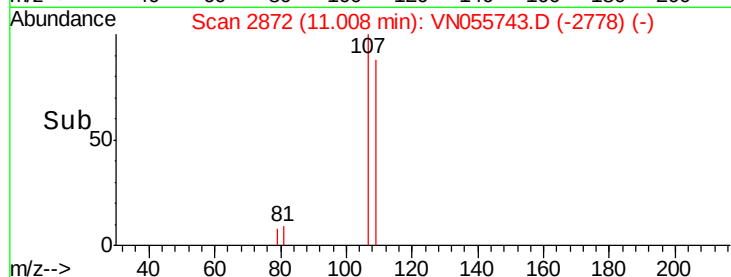
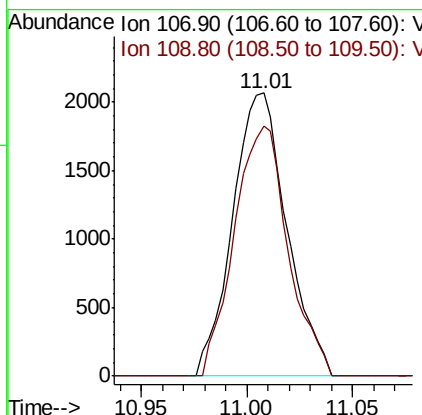
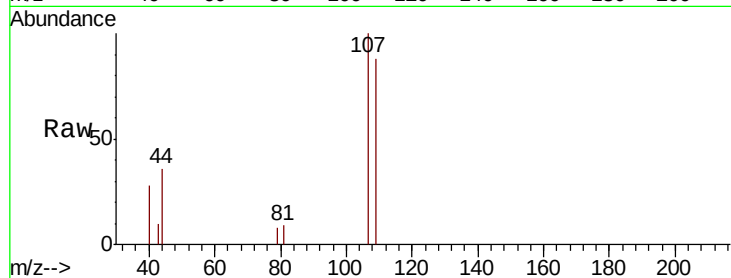




#61
 1,2-Dibromoethane
 Concen: 1.033 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

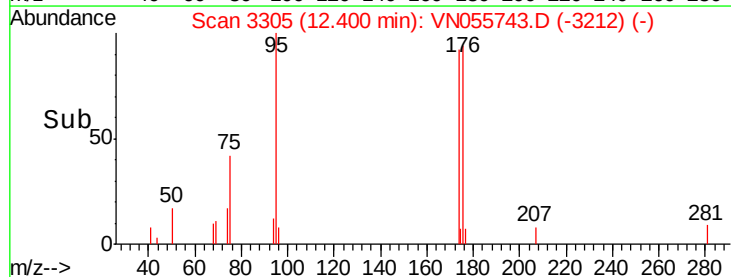
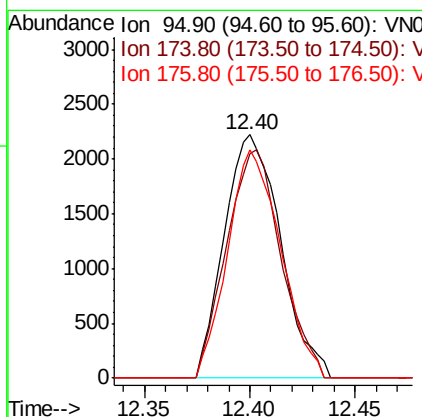
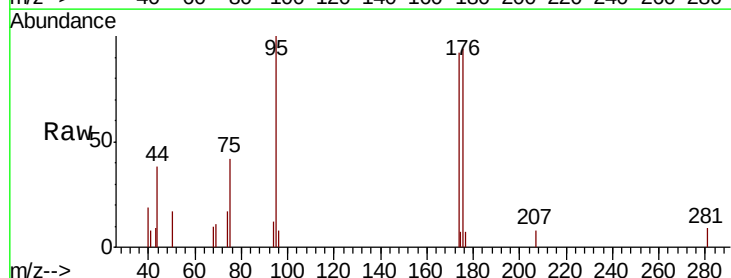
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

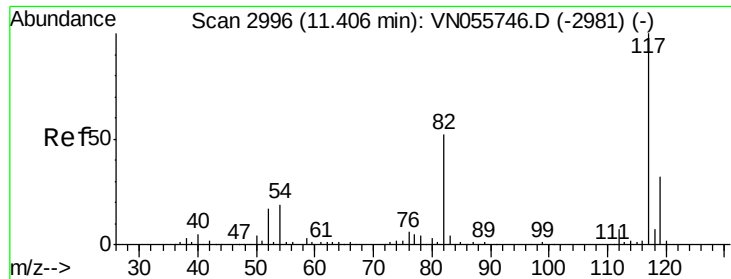
Tot Ion: 107 Resp: 3695
 Ion Ratio Lower Upper
 107 100
 109 87.3 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 0.942 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion: 95 Resp: 4121
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 191.0
 176 88.1 0.0 185.2

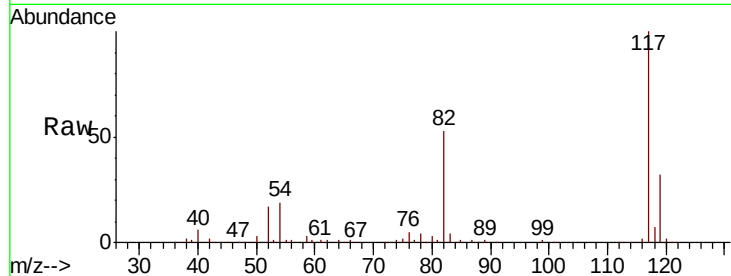




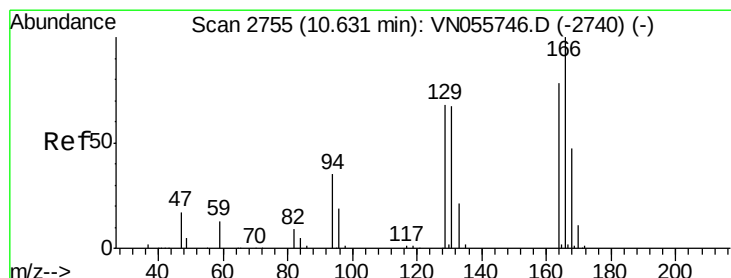
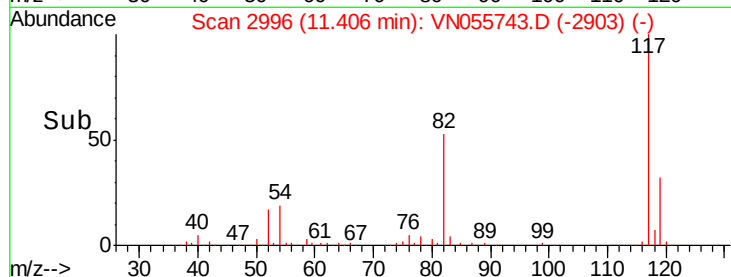
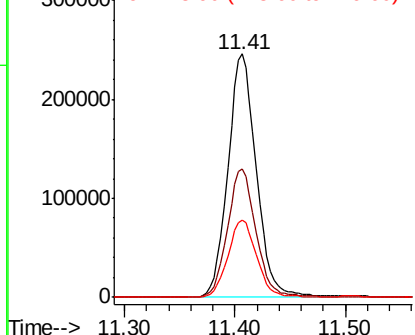
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 438957
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 31.7 25.4 38.0

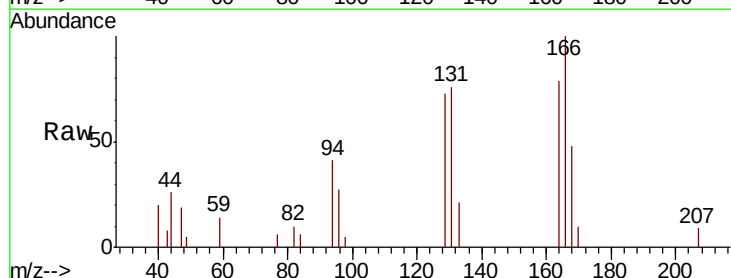


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

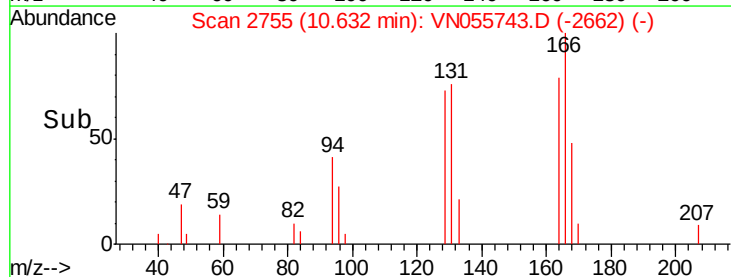
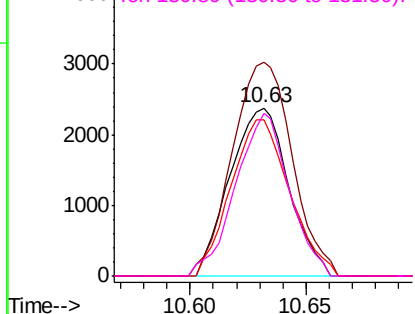


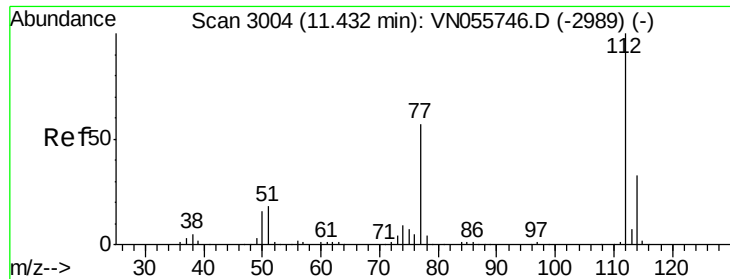
#64
Tetrachloroethene
Concen: 1.199 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion:164 Resp: 4184
Ion Ratio Lower Upper
164 100
166 127.1 103.0 154.6
129 92.6 70.6 105.8
131 96.9 68.6 102.8



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

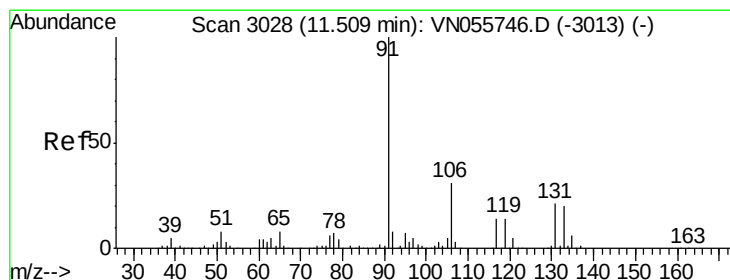
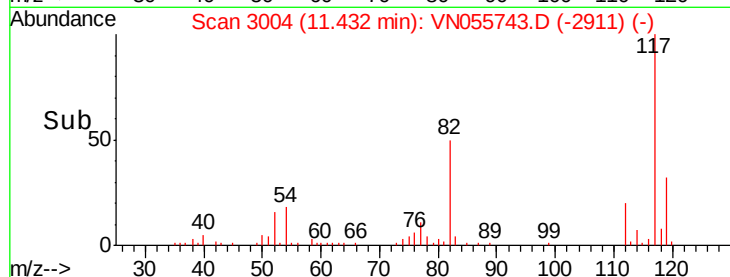
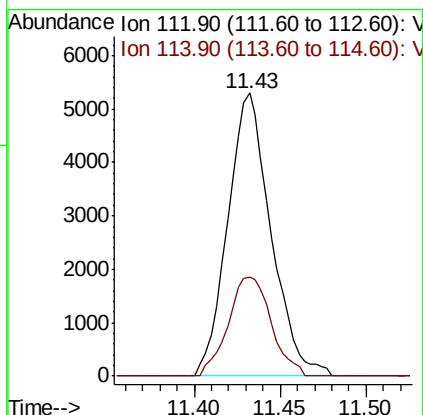
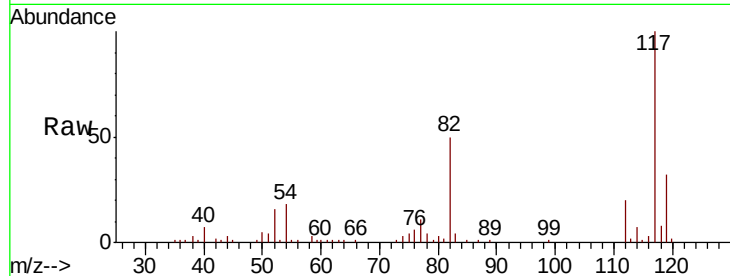




#65
Chlorobenzene
Concen: 1.047 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

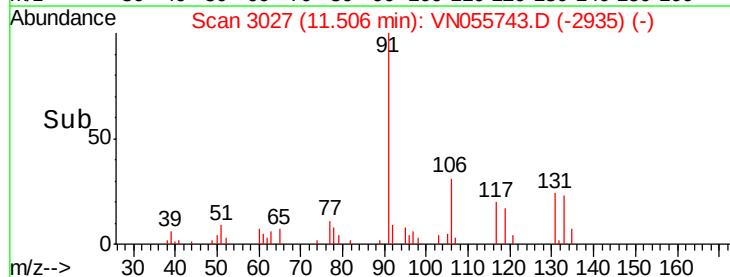
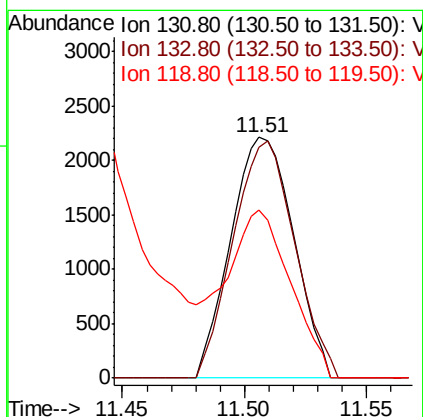
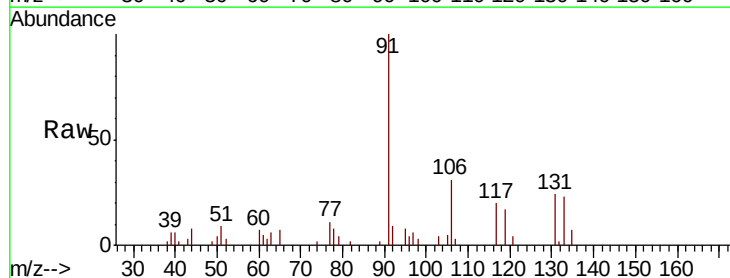
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

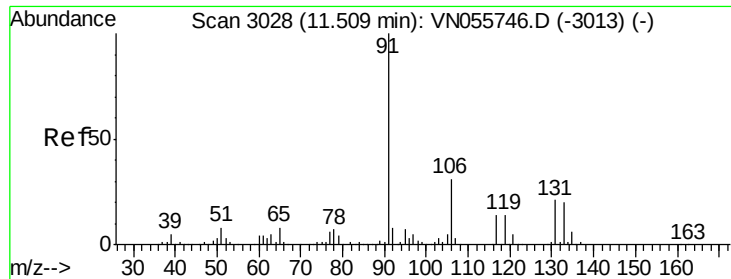
Tot Ion:112 Resp: 9277
Ion Ratio Lower Upper
112 100
114 35.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 1.110 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion:131 Resp: 3953
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.0
119 0.0 33.1 99.5#

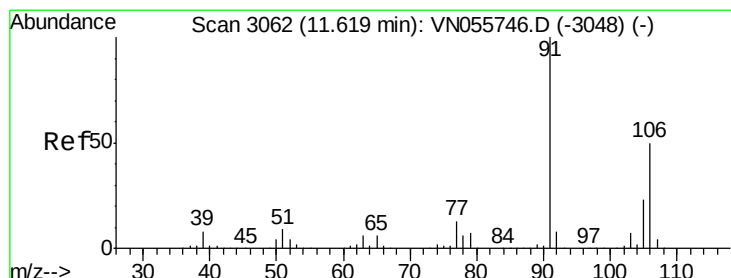
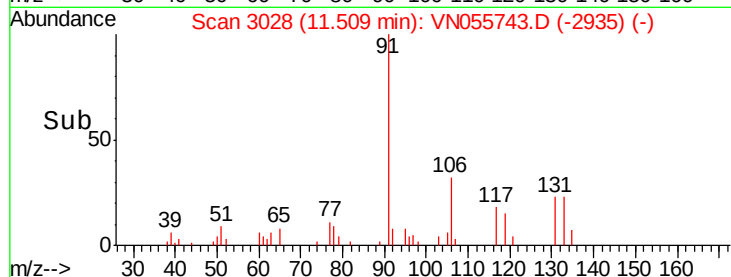
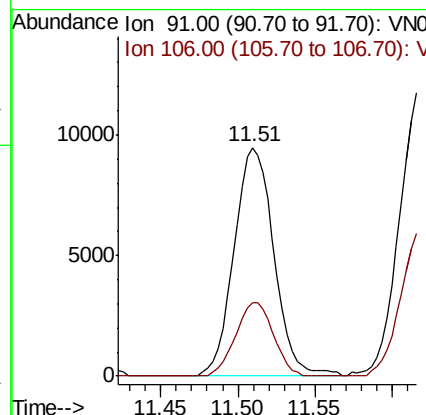
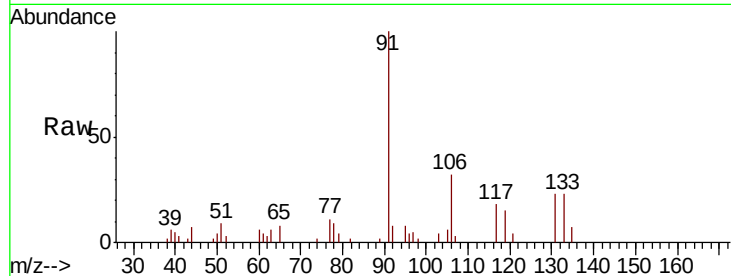




#67
Ethyl Benzene
Concen: 1.071 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

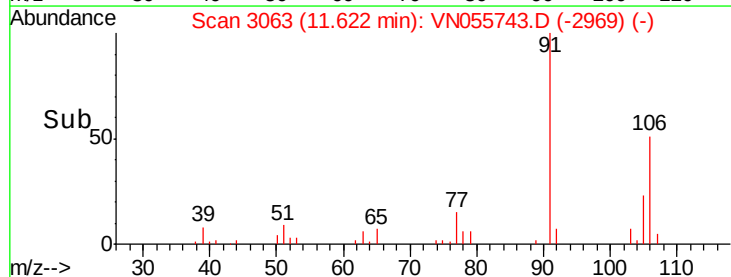
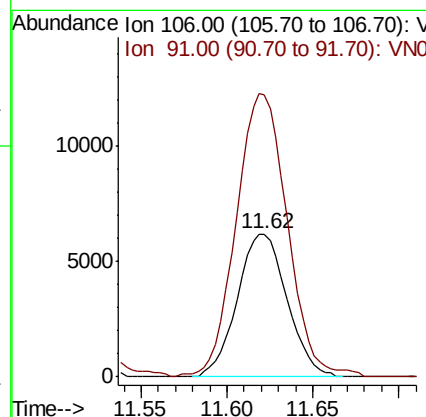
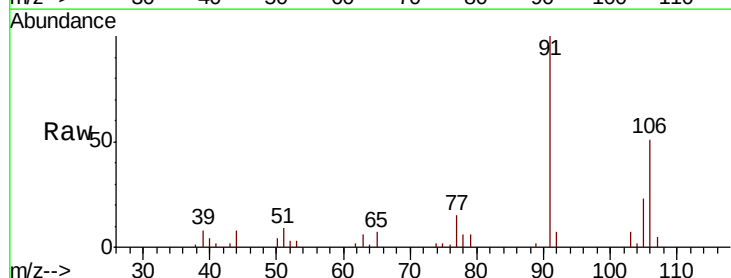
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

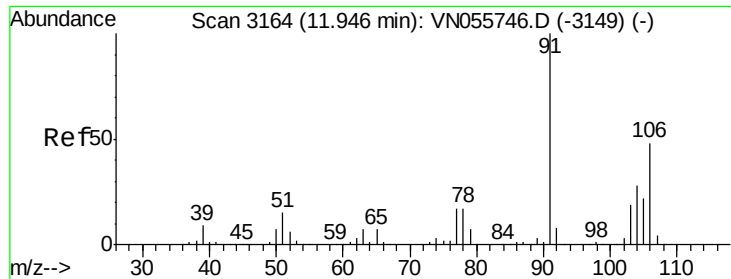
Tot Ion: 91 Resp: 16957
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7



#68
m/p-Xylenes
Concen: 2.082 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 106 Resp: 12449
Ion Ratio Lower Upper
106 100
91 204.0 159.3 238.9

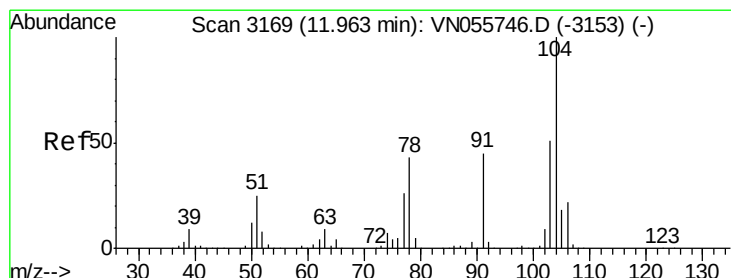
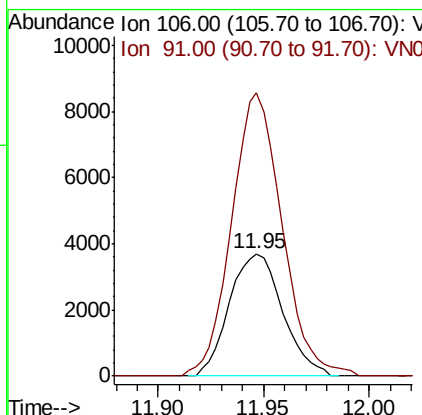
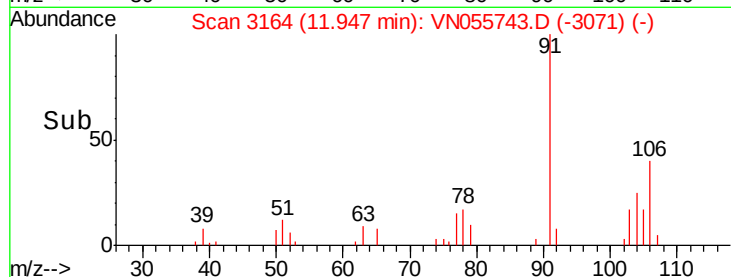
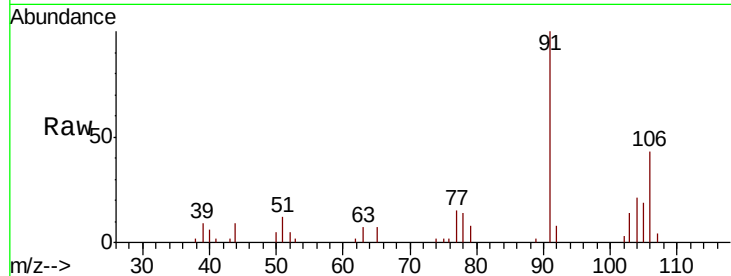




#69
o-Xylene
Concen: 1.105 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

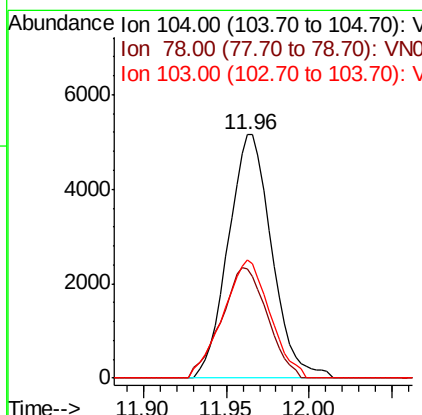
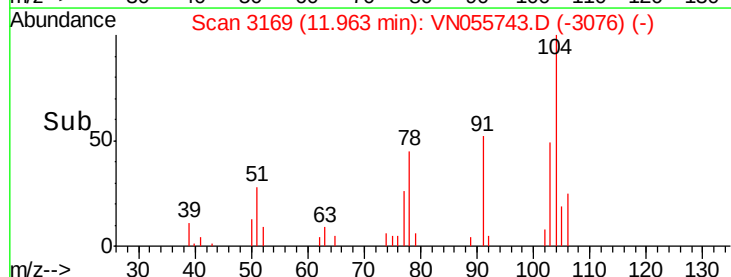
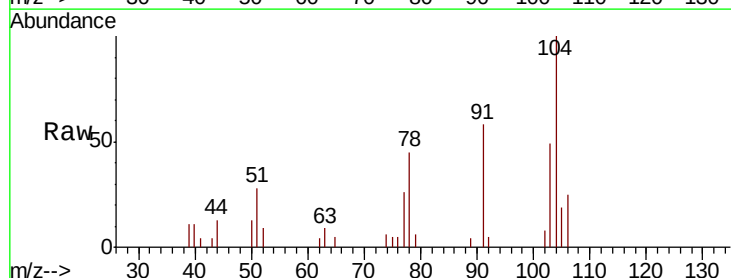
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

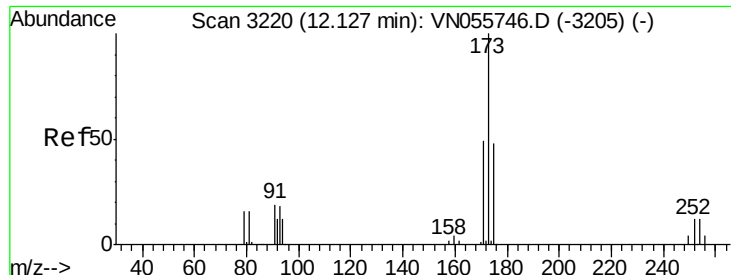
Tot Ion:106 Resp: 6482
Ion Ratio Lower Upper
106 100
91 219.3 104.7 314.1



#70
Styrene
Concen: 0.968 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion:104 Resp: 9412
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 51.8 44.2 66.2





#71

Bromoform

Concen: 0.967 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

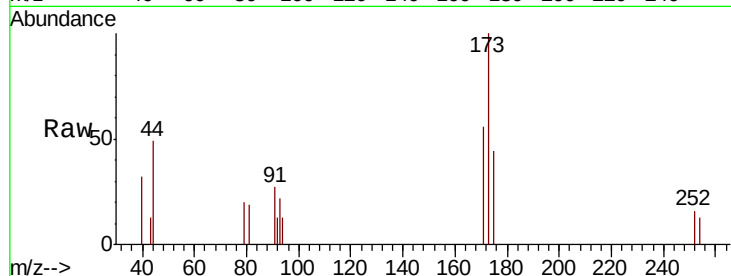
Tot Ion:173 Resp: 2927

Ion Ratio Lower Upper

173 100

175 47.0 24.3 72.8

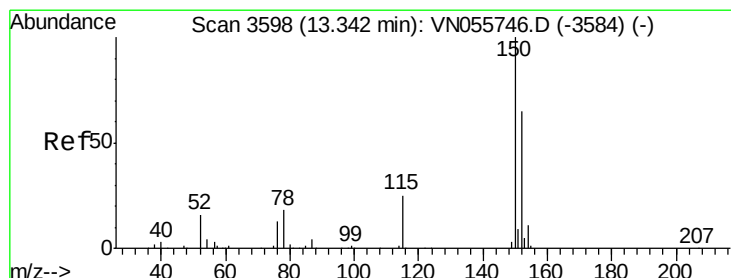
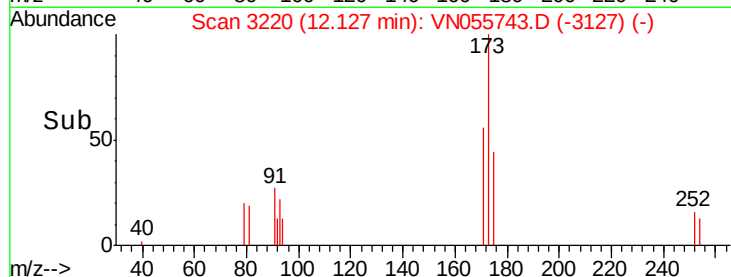
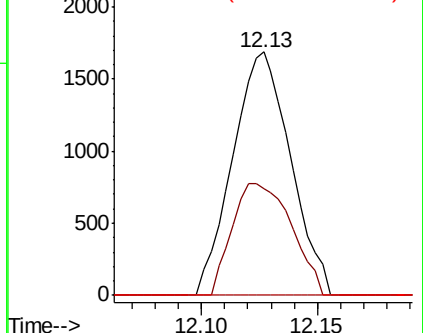
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

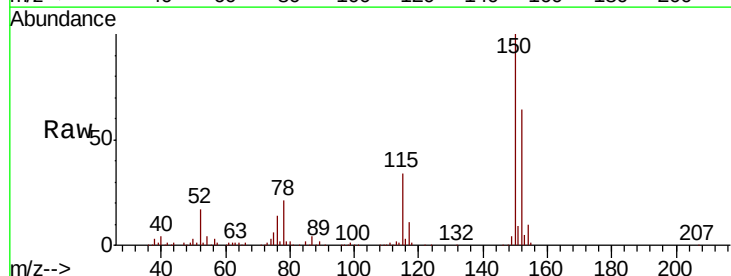
Tgt Ion:152 Resp: 149036

Ion Ratio Lower Upper

152 100

115 54.1 27.0 81.0

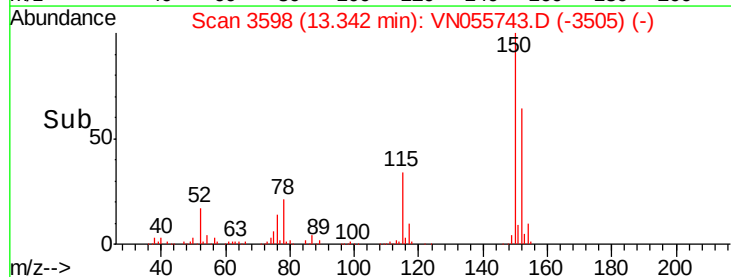
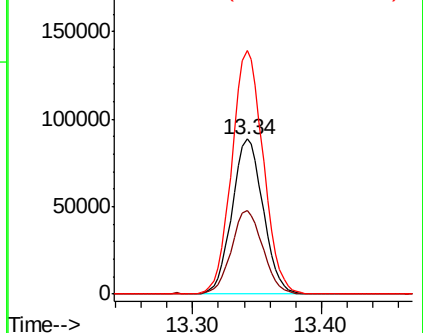
150 158.4 0.0 343.2

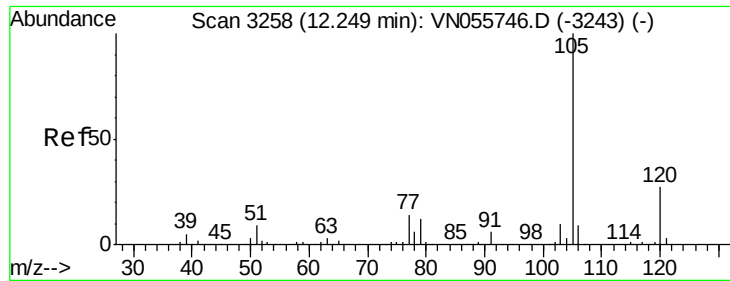


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.344 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

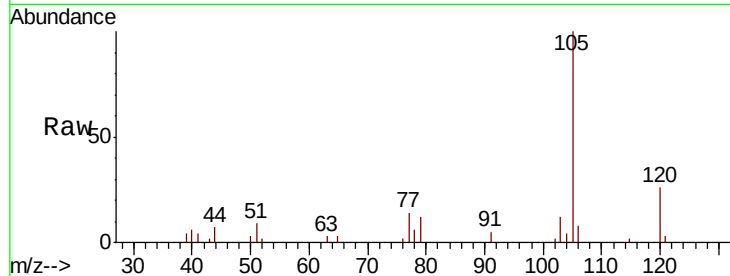
VSTDIC001

Tot Ion:105 Resp: 16363

Ion Ratio Lower Upper

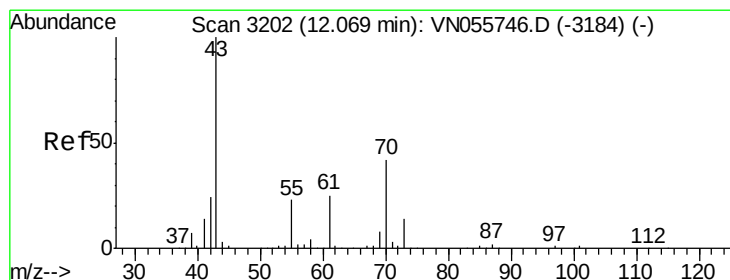
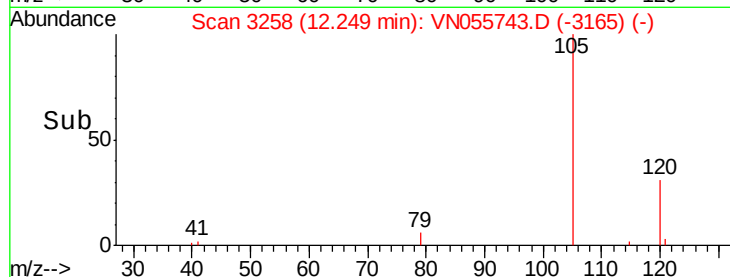
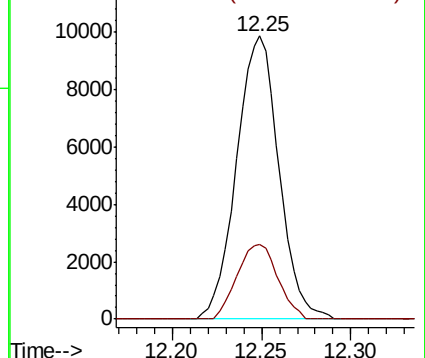
105 100

120 25.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.401 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Tgt Ion: 43 Resp: 5871

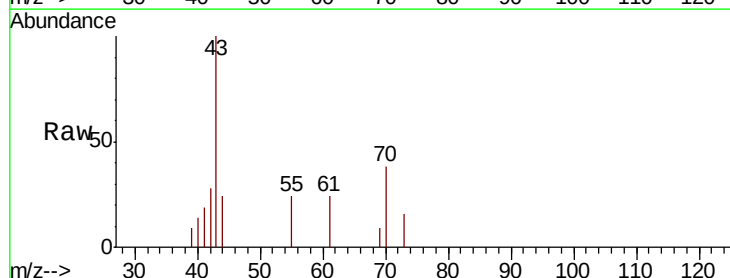
Ion Ratio Lower Upper

43 100

70 38.6 34.0 51.0

55 26.5 18.6 28.0

61 21.5 20.0 30.0

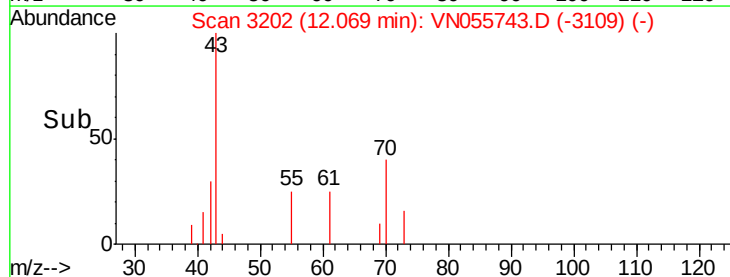
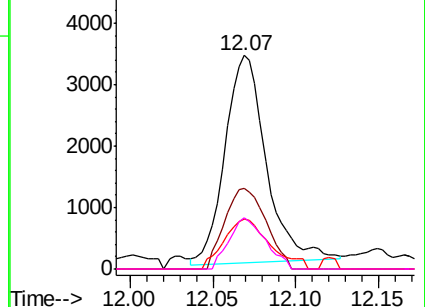


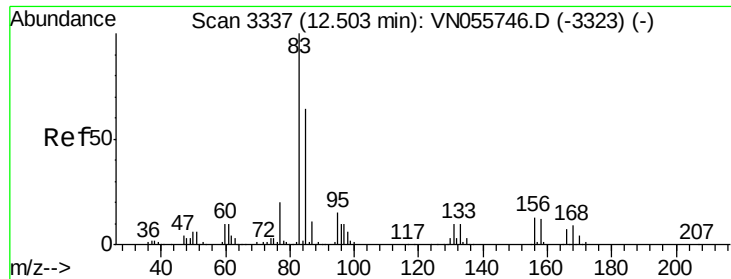
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.292 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

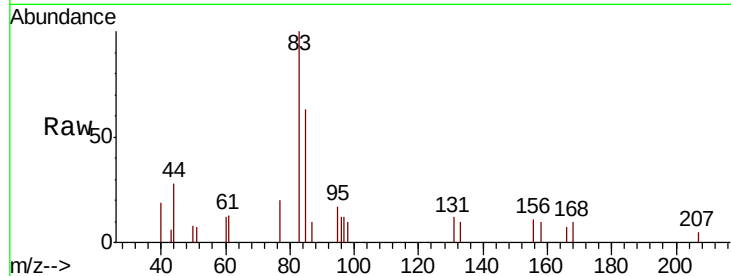
Tot Ion: 83 Resp: 4844

Ion Ratio Lower Upper

83 100

131 10.2 5.4 16.2

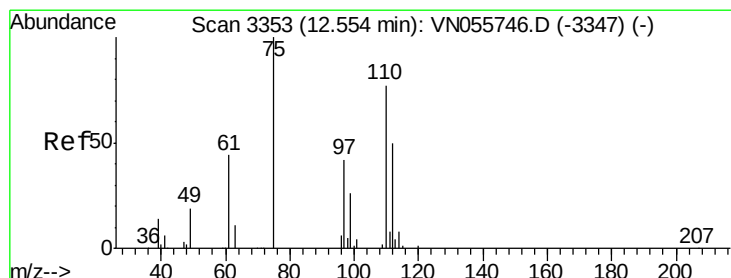
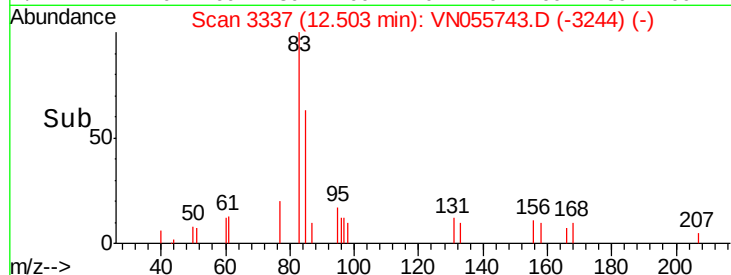
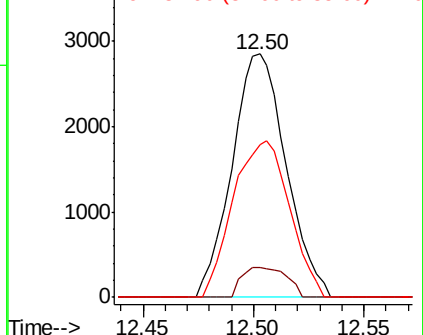
85 67.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055743.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055743.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055743.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 1.952 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055743.D

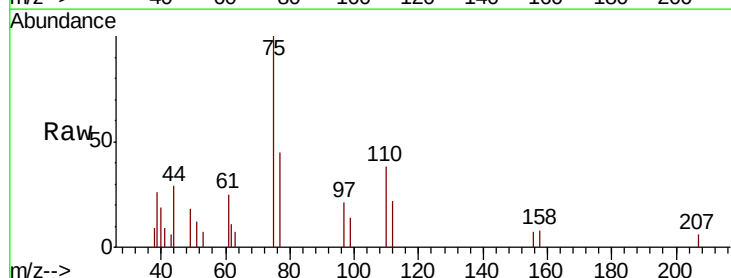
Acq: 23 May 2019 9:21

Tgt Ion: 75 Resp: 5996

Ion Ratio Lower Upper

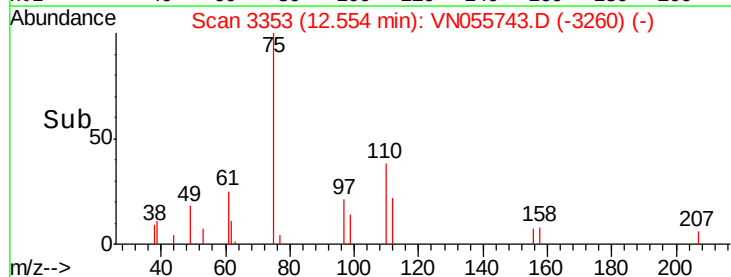
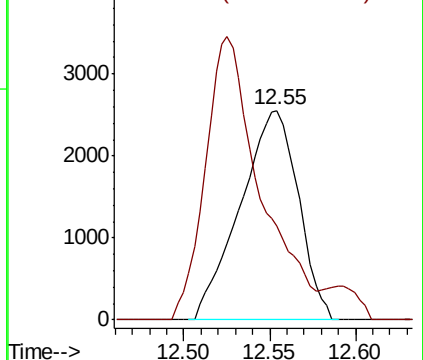
75 100

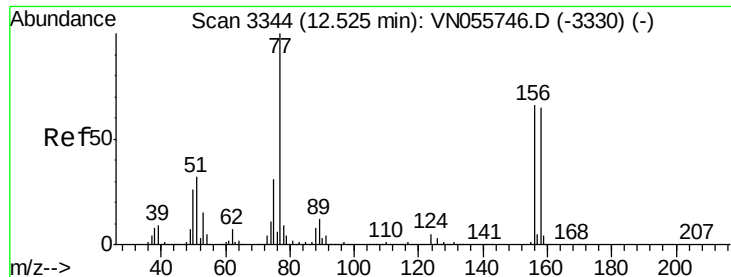
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055743.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055743.D (-3260) (-)





#77

Bromobenzene

Concen: 1.195 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

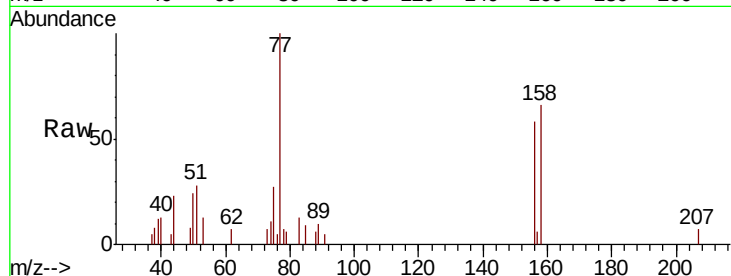
Tot Ion:156 Resp: 3681

Ion Ratio Lower Upper

156 100

77 208.9 90.8 272.5

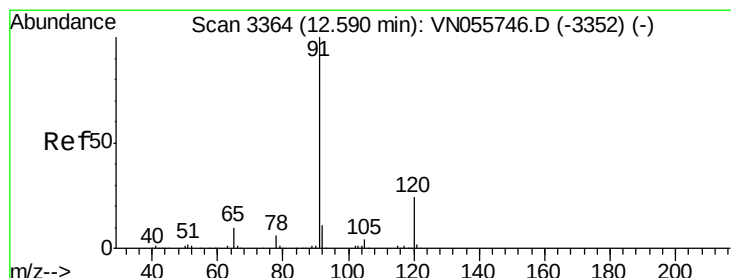
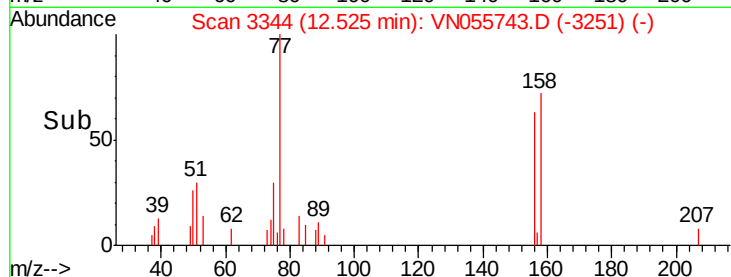
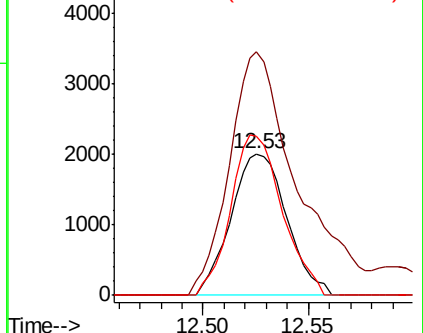
158 105.3 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.168 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055743.D

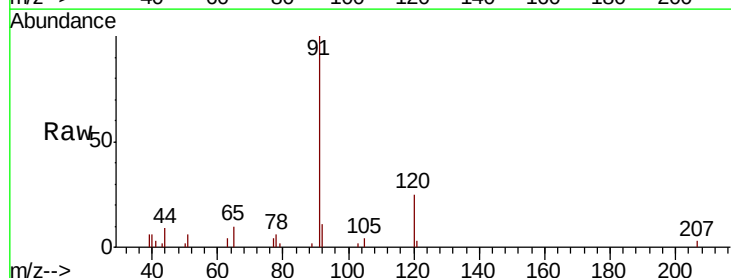
Acq: 23 May 2019 9:21

Tgt Ion: 91 Resp: 15410

Ion Ratio Lower Upper

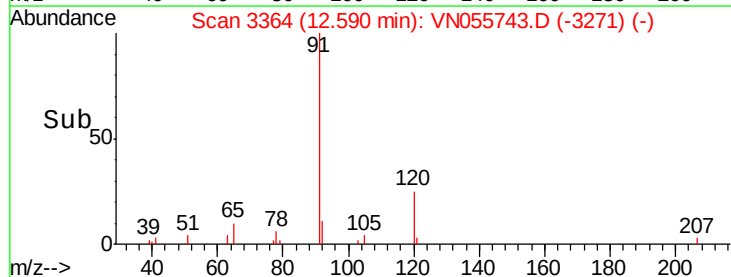
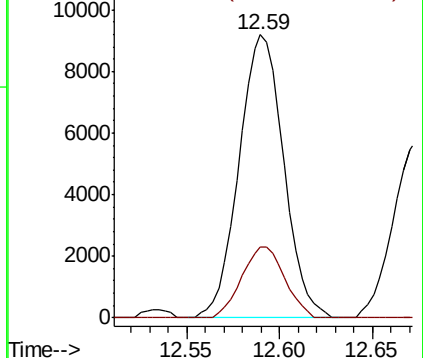
91 100

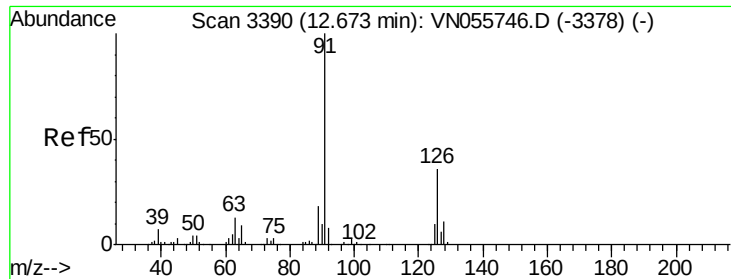
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.242 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

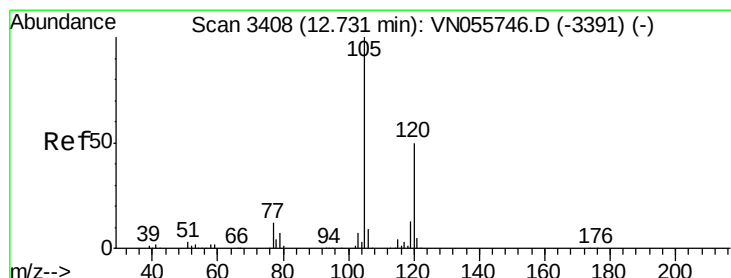
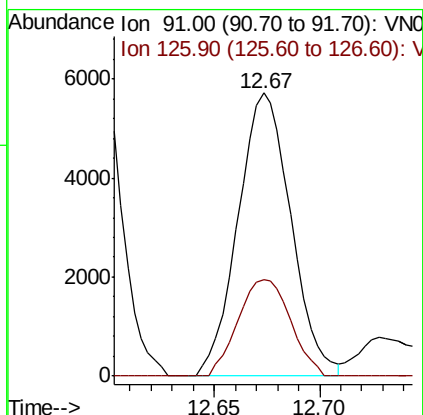
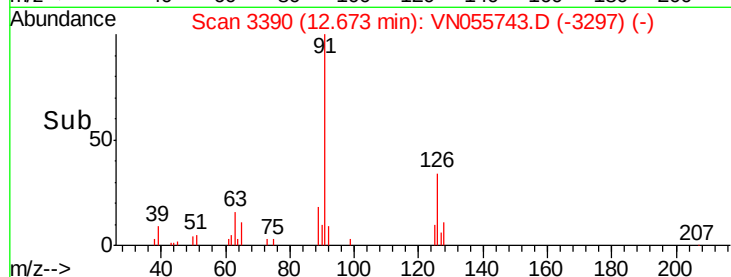
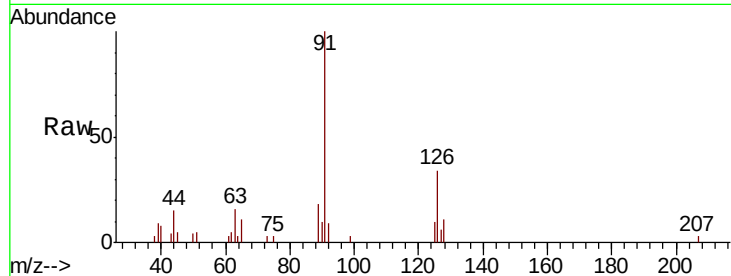
VSTDIC001

Tot Ion: 91 Resp: 9987

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 1.300 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055743.D

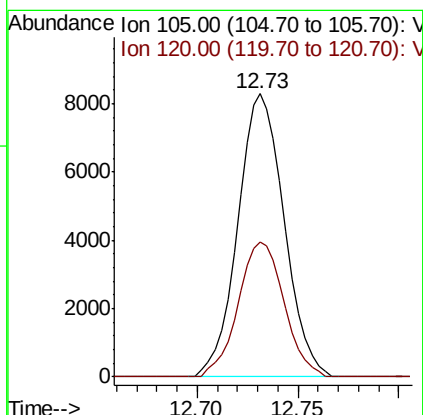
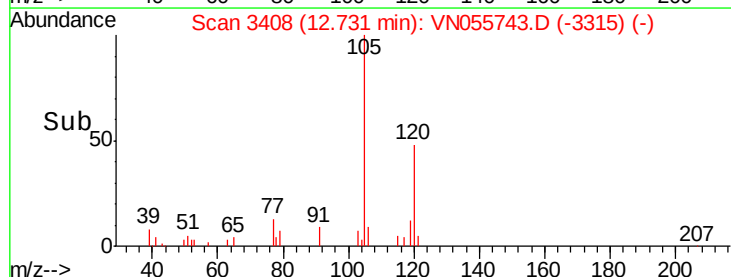
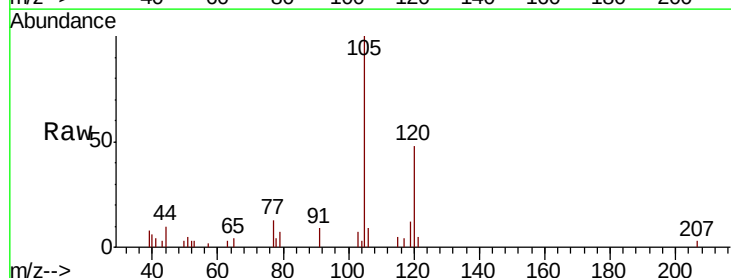
Acq: 23 May 2019 9:21

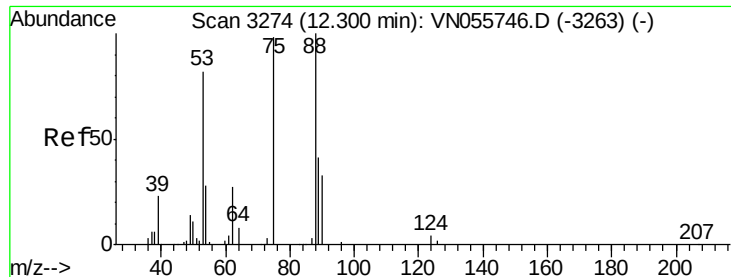
Tgt Ion: 105 Resp: 13295

Ion Ratio Lower Upper

105 100

120 47.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 1.012 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

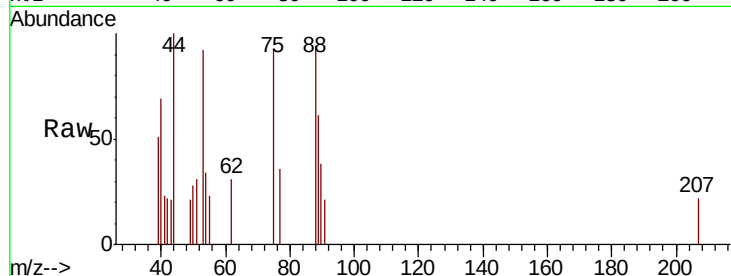
Tot Ion: 75 Resp: 1183

Ion Ratio Lower Upper

75 100

53 106.8 68.1 102.1#

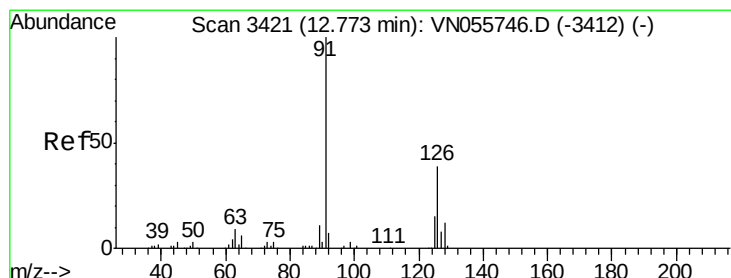
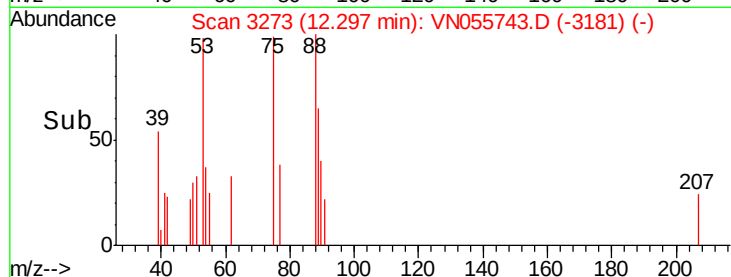
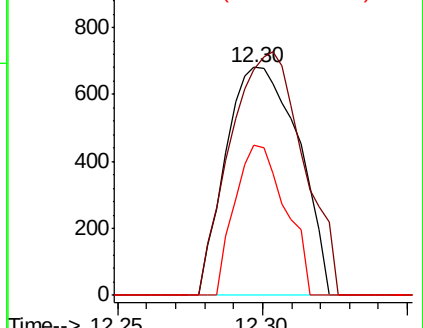
89 45.6 36.9 55.3



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: 1.125 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055743.D

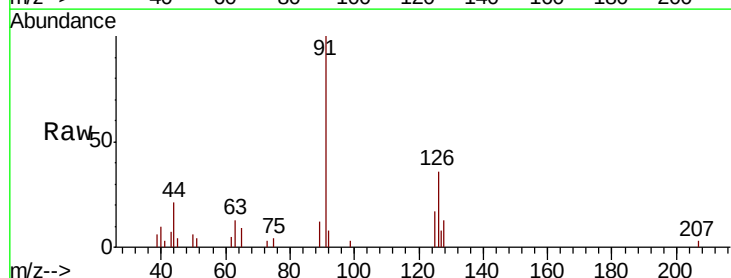
Acq: 23 May 2019 9:21

Tgt Ion: 91 Resp: 8755

Ion Ratio Lower Upper

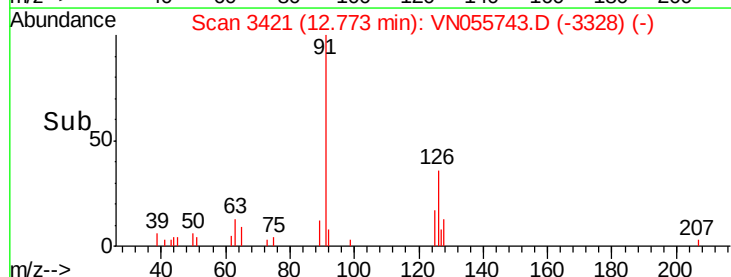
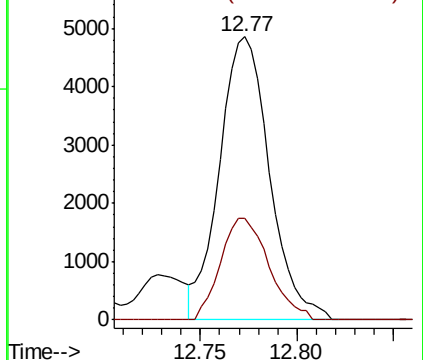
91 100

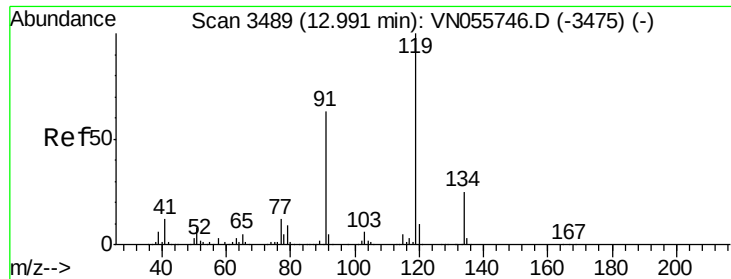
126 34.7 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

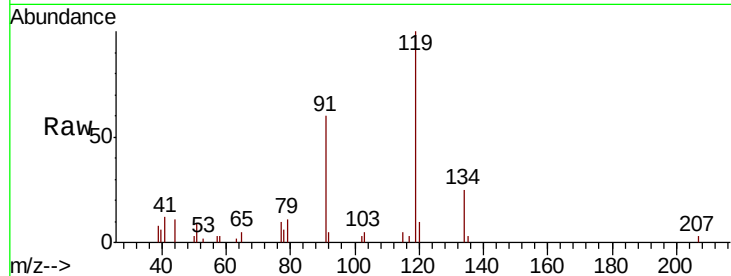




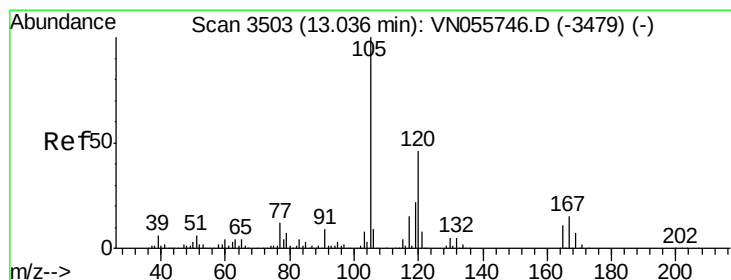
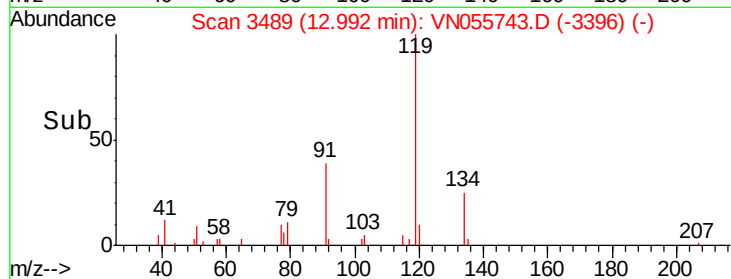
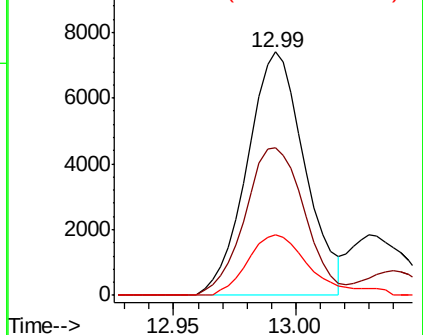
#83
tert-Butylbenzene
Concen: 1.353 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:119 Resp: 12141
Ion Ratio Lower Upper
119 100
91 62.9 30.9 92.8
134 27.0 13.3 39.8

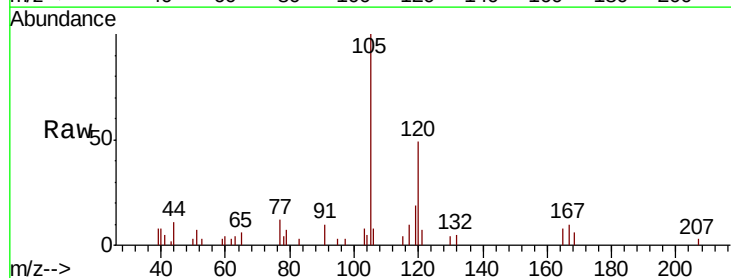


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

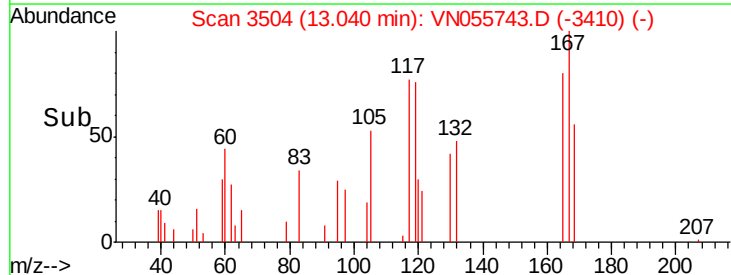
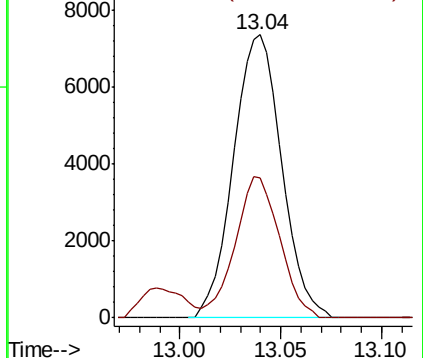


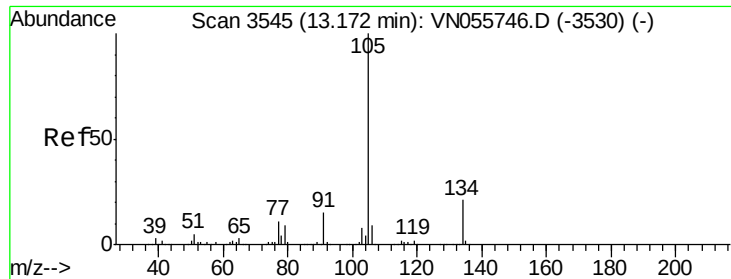
#84
1,2,4-Trimethylbenzene
Concen: 1.223 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion:105 Resp: 12324
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.221 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

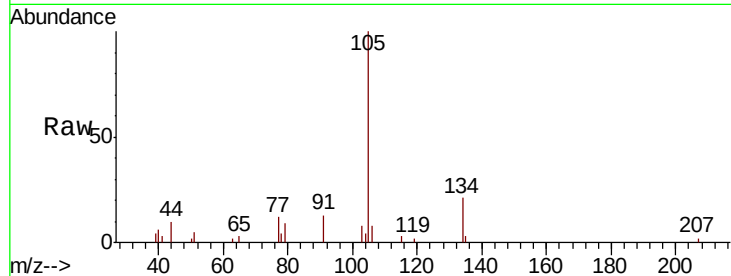
VSTDIC001

Tot Ion:105 Resp: 13915

Ion Ratio Lower Upper

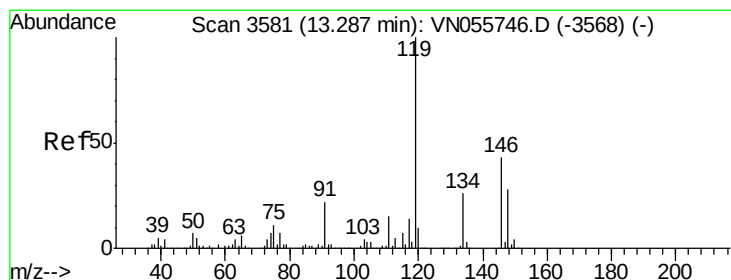
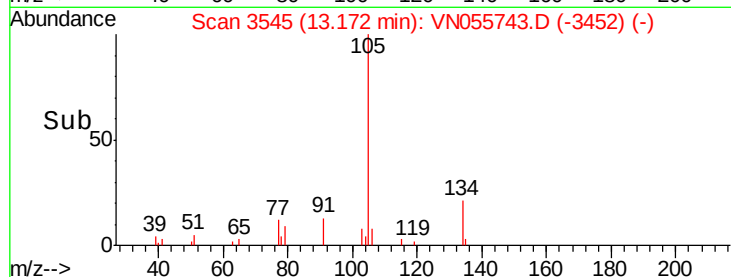
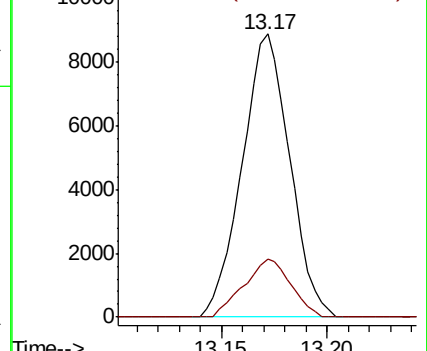
105 100

134 20.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.171 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

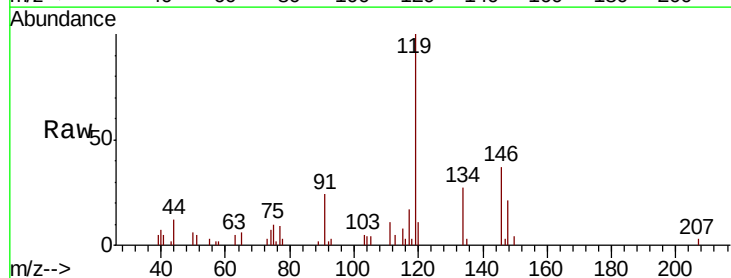
Tgt Ion:119 Resp: 12264

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

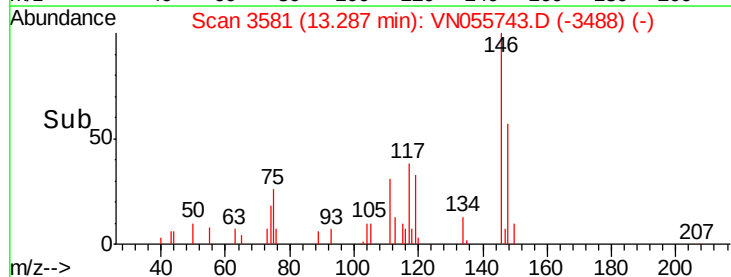
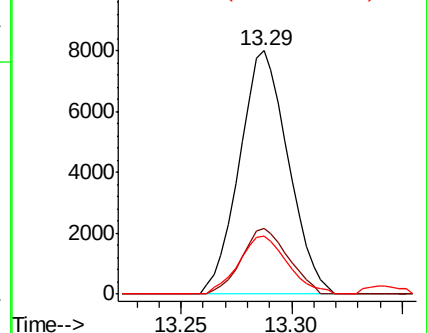
91 23.9 10.9 32.9

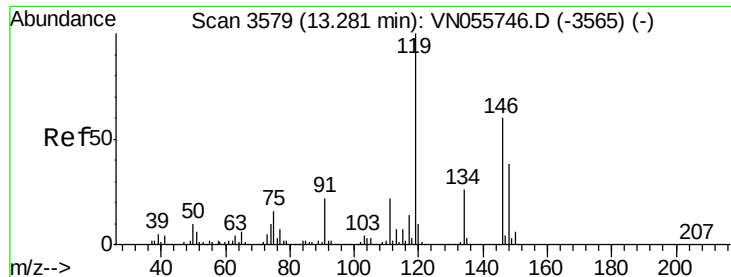


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.103 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

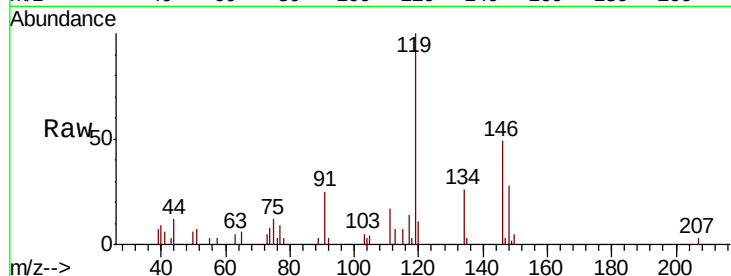
Tot Ion:146 Resp: 5586

Ion Ratio Lower Upper

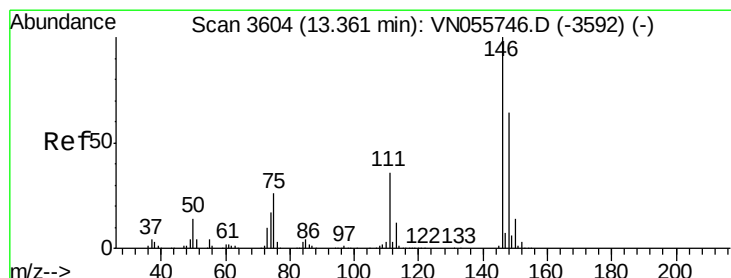
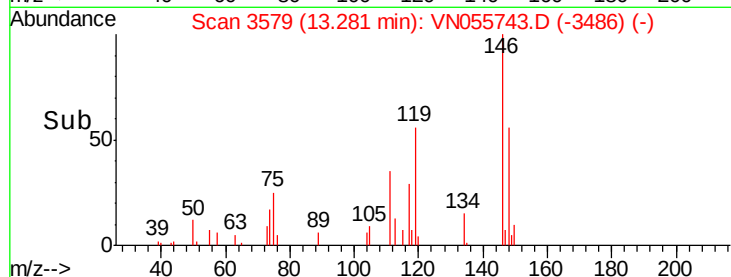
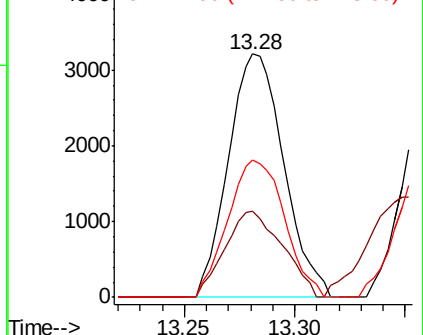
146 100

111 36.7 18.5 55.5

148 57.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.160 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

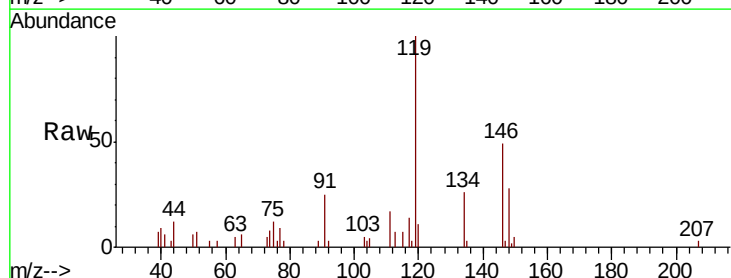
Tgt Ion:146 Resp: 5586

Ion Ratio Lower Upper

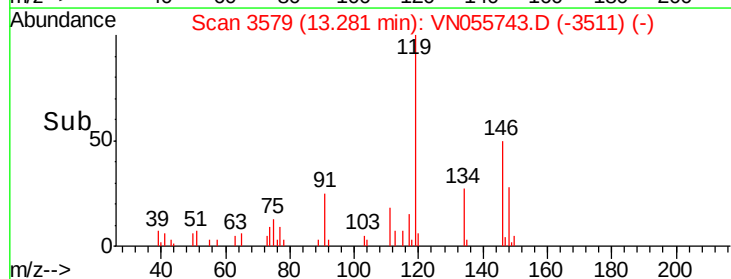
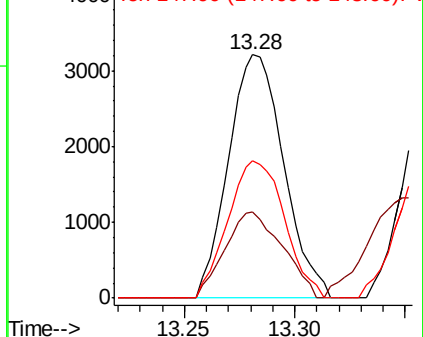
146 100

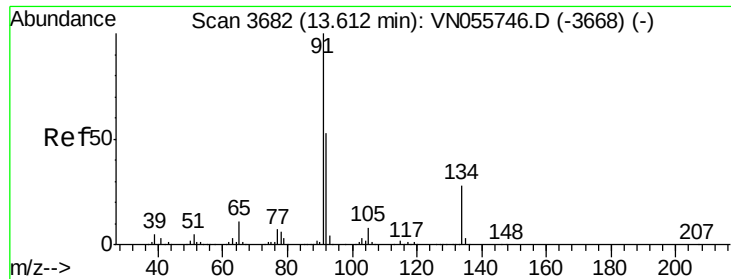
111 36.7 18.1 54.4

148 57.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

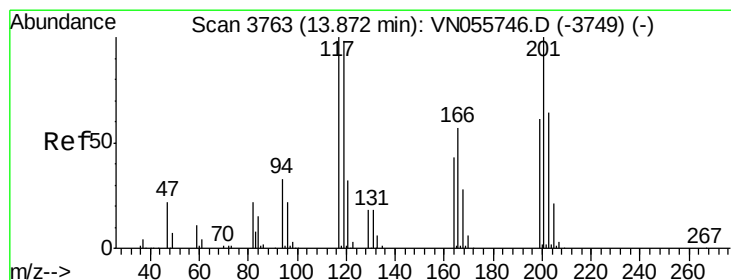
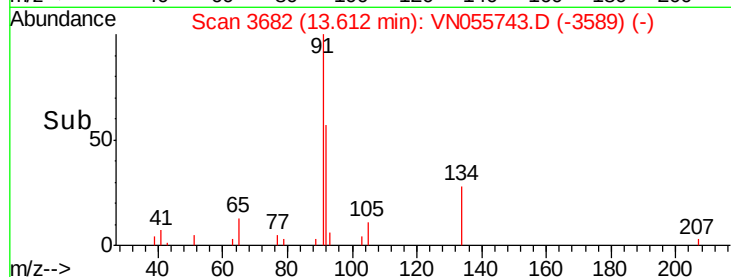
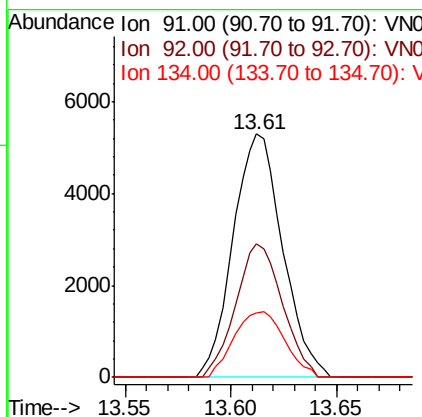
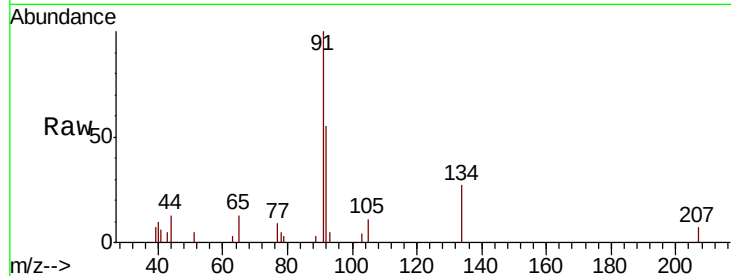




#89
n-Butylbenzene
Concen: 1.060 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

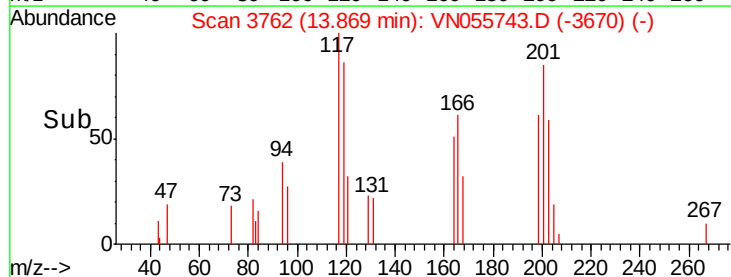
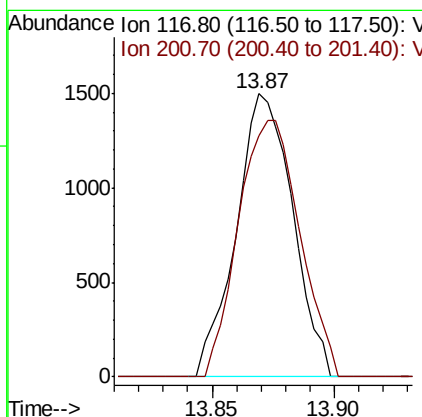
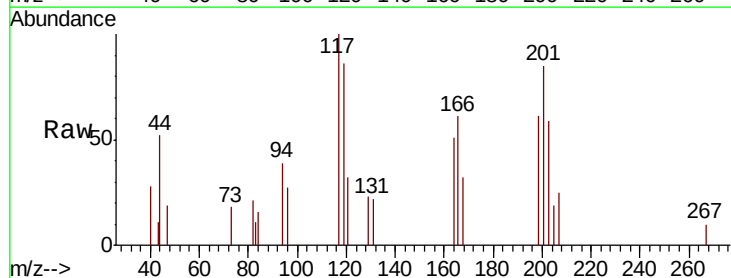
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

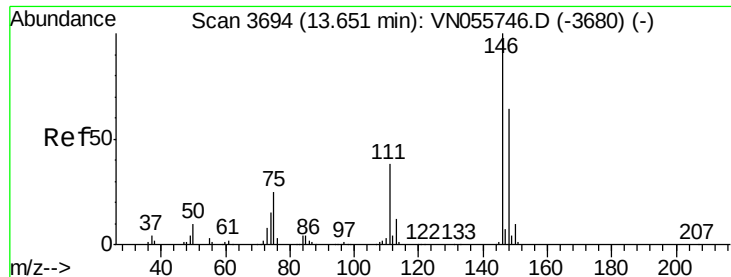
Tot Ion: 91 Resp: 8629
Ion Ratio Lower Upper
91 100
92 51.6 26.4 79.0
134 27.6 13.9 41.7



#90
Hexachloroethane
Concen: 1.201 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN055743.D
Acq: 23 May 2019 9:21

Tgt Ion: 117 Resp: 2402
Ion Ratio Lower Upper
117 100
201 98.6 50.0 150.0

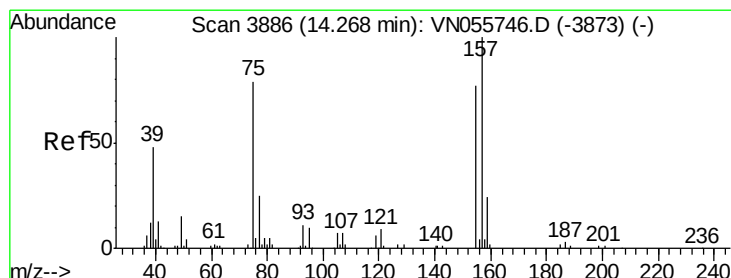
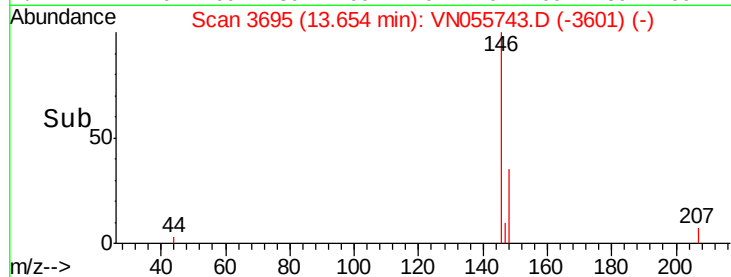
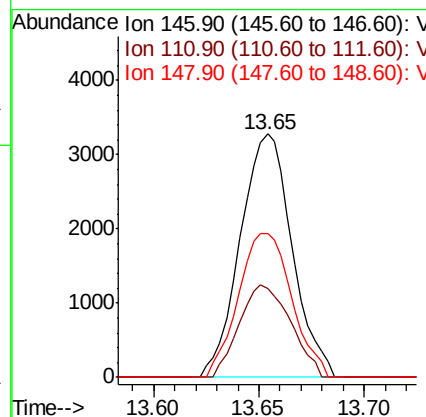
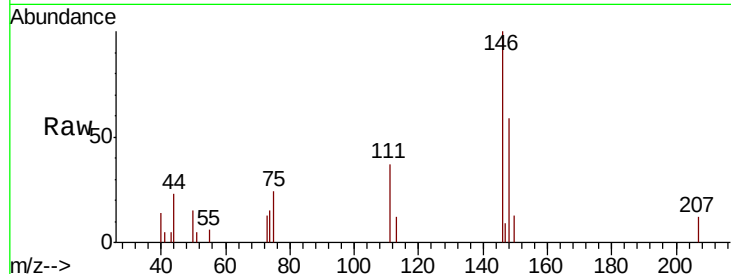




#91
 1,2-Dichlorobenzene
 Concen: 1.107 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

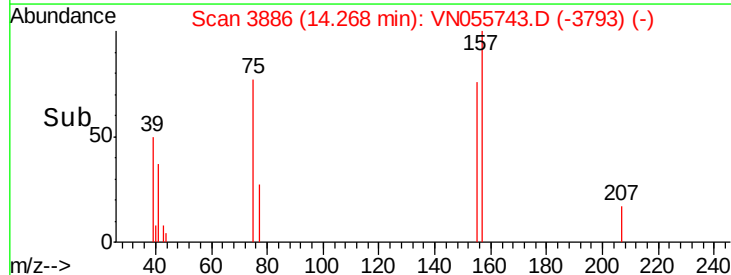
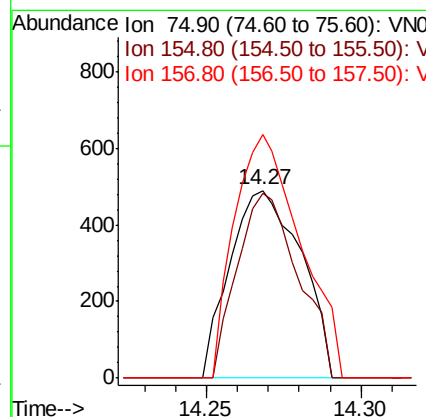
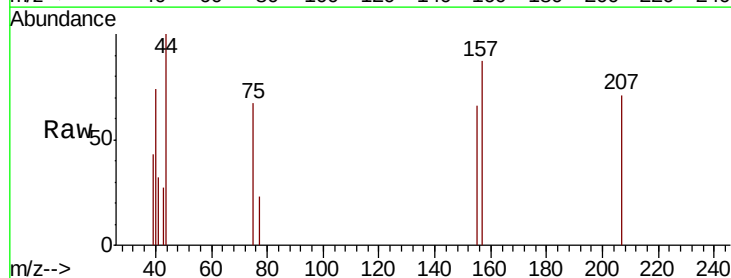
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

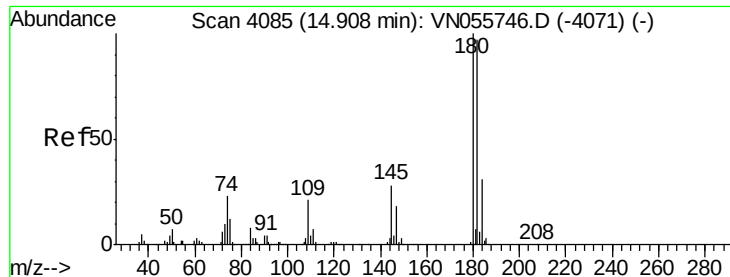
Tot Ion:146 Resp: 5584
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.5
 148 60.8 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.172 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion: 75 Resp: 782
 Ion Ratio Lower Upper
 75 100
 155 84.7 50.0 150.1
 157 121.0 64.8 194.3

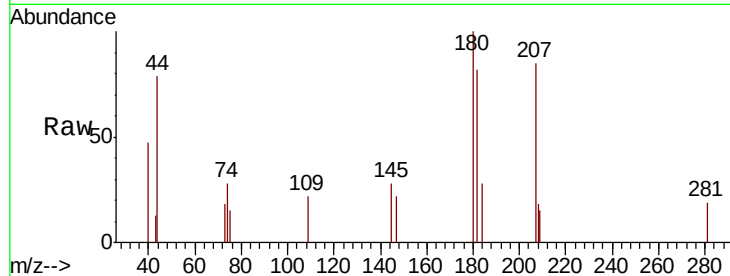




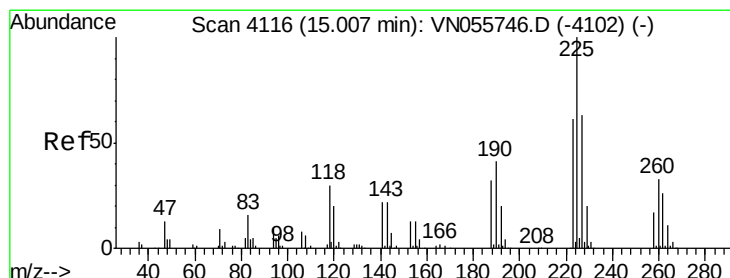
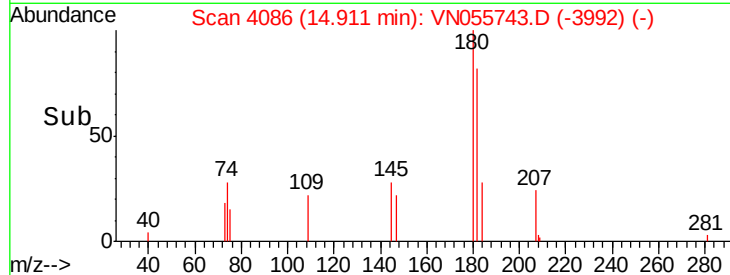
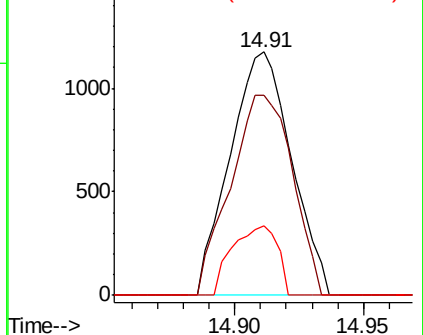
#93
 1,2,4-Trichlorobenzene
 Concen: 0.768 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:180 Resp: 1945
 Ion Ratio Lower Upper
 180 100
 182 83.3 48.3 144.9
 145 20.9 14.0 41.9

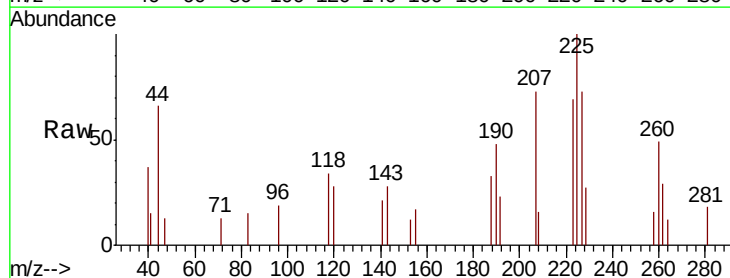


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

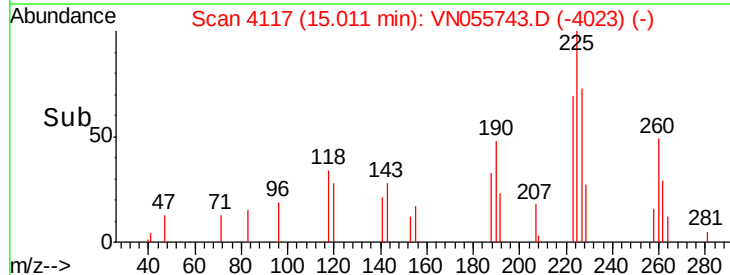
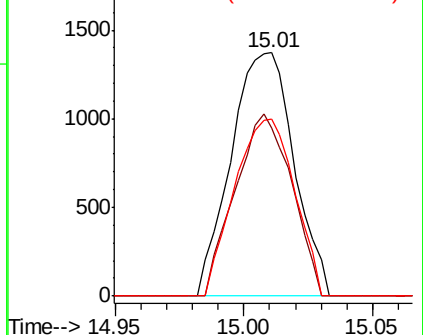


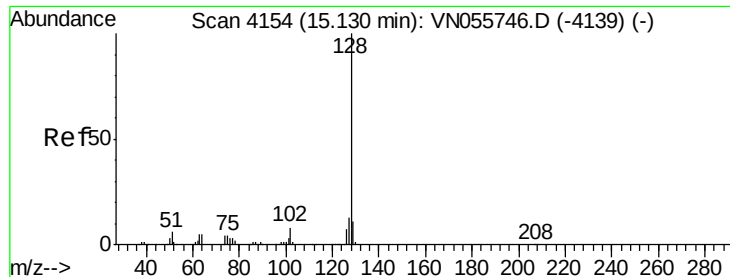
#94
 Hexachlorobutadiene
 Concen: 1.300 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055743.D
 Acq: 23 May 2019 9:21

Tgt Ion:225 Resp: 2334
 Ion Ratio Lower Upper
 225 100
 223 67.6 30.9 92.7
 227 69.5 31.6 94.7



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: 0.839 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

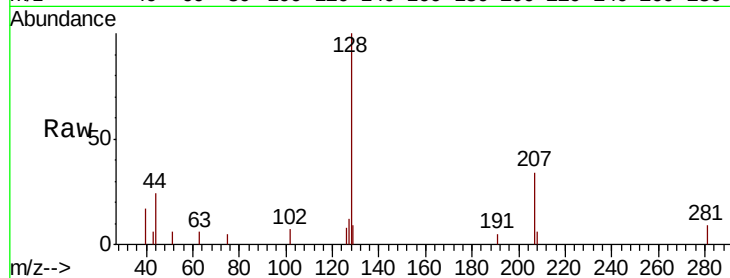
Tot Ion:128 Resp: 5743

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

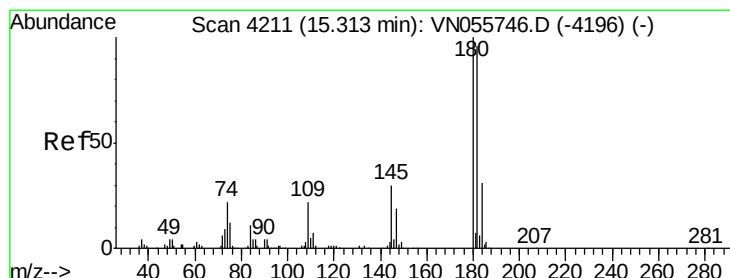
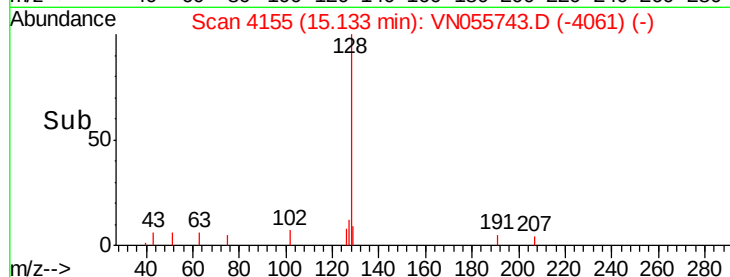
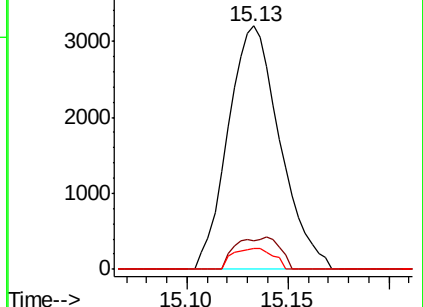
129 6.8 8.7 13.1#



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: 0.798 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055743.D

Acq: 23 May 2019 9:21

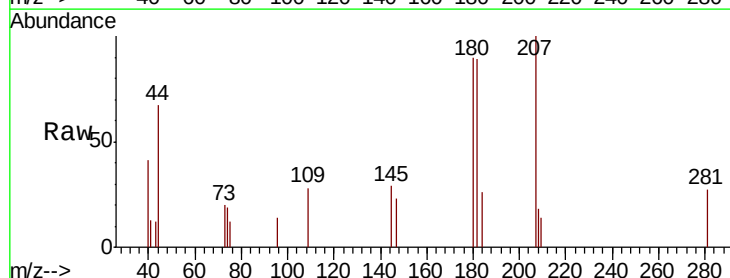
Tgt Ion:180 Resp: 2130

Ion Ratio Lower Upper

180 100

182 93.6 47.9 143.7

145 25.6 14.9 44.7



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

