

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055745.D
 Acq On : 23 May 2019 10:10
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: May 24 05:47:48 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	340354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	437348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185405	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	78649	21.27	ug/l	0.00
Spiked Amount						
			Recovery	=	42.54%	
35) Dibromofluoromethane	7.59	113	69494	21.88	ug/l	0.00
Spiked Amount						
			Recovery	=	43.76%	
50) Toluene-d8	10.09	98	263378	21.87	ug/l	0.00
Spiked Amount						
			Recovery	=	43.74%	
62) 4-Bromofluorobenzene	12.40	95	87285	20.96	ug/l	0.00
Spiked Amount						
			Recovery	=	41.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	45706	17.781	ug/l	99
3) Chloromethane	2.06	50	65674	18.943	ug/l	99
4) Vinyl Chloride	2.19	62	69026	18.458	ug/l	99
5) Bromomethane	2.54	94	46664	19.490	ug/l	98
6) Chloroethane	2.69	64	43795	20.851	ug/l	97
7) Trichlorofluoromethane	3.01	101	91653	19.118	ug/l	99
8) Diethyl Ether	3.40	74	40734	20.883	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56967	19.445	ug/l	99
10) Methyl Iodide	3.94	142	85604	20.132	ug/l	99
11) Tert butyl alcohol	4.81	59	80526	115.883	ug/l	98
12) 1,1-Dichloroethene	3.72	96	59085	19.161	ug/l	97
13) Acrolein	3.60	56	49592	124.075	ug/l	99
14) Allyl chloride	4.31	41	104117	20.886	ug/l	99
15) Acrylonitrile	4.99	53	159734	103.479	ug/l	100
16) Acetone	3.82	43	170789	111.916	ug/l	96
17) Carbon Disulfide	4.04	76	164155	19.163	ug/l	99
18) Methyl Acetate	4.33	43	66781	20.471	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	199903	19.646	ug/l	99
20) Methylene Chloride	4.55	84	67568	19.572	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	63518	19.363	ug/l	98
22) Diisopropyl ether	5.95	45	197585	19.935	ug/l	96
23) Vinyl Acetate	5.90	43	858131	102.063	ug/l	100
24) 1,1-Dichloroethane	5.84	63	114686	19.865	ug/l	100
25) 2-Butanone	6.84	43	224006	105.332	ug/l	100
26) 2,2-Dichloropropane	6.82	77	98162	19.199	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	74306	19.385	ug/l	99
28) Bromochloromethane	7.19	49	60223	23.625	ug/l	99
29) Tetrahydrofuran	7.21	42	141091	100.347	ug/l	100
30) Chloroform	7.37	83	115924	19.494	ug/l	99
31) Cyclohexane	7.65	56	109952	19.963	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	103516	19.445	ug/l	99
36) 1,1-Dichloropropene	7.79	75	85910	19.335	ug/l	99
37) Ethyl Acetate	6.93	43	89621	22.259	ug/l	99
38) Carbon Tetrachloride	7.77	117	92410	19.426	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105965	19.665	ug/l	98
40) Benzene	8.04	78	269073	20.467	ug/l	100
41) Methacrylonitrile	7.18	41	40825	23.358	ug/l	99
42) 1,2-Dichloroethane	8.12	62	88949	20.933	ug/l	100
43) Isopropyl Acetate	8.17	43	140062	19.968	ug/l #	92
44) Trichloroethene	8.83	130	74207	20.022	ug/l	99
45) 1,2-Dichloropropane	9.12	63	69781	20.170	ug/l	99
46) Dibromomethane	9.21	93	46426	20.472	ug/l	99
47) Bromodichloromethane	9.40	83	92795	19.605	ug/l	99
48) Methyl methacrylate	9.20	41	68403	21.766	ug/l	97
49) 1,4-Dioxane	9.20	88	27041	434.175	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	424017	102.301	ug/l	99
52) Toluene	10.16	92	168714	20.410	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	98947	19.460	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	110527	19.834	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	68122	20.040	ug/l	98
56) Ethyl methacrylate	10.43	69	102595	19.325	ug/l	98
57) 1,3-Dichloropropane	10.71	76	109853	20.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	189888	86.137	ug/l	100
59) 2-Hexanone	10.75	43	299988	102.987	ug/l	100
60) Dibromochloromethane	10.90	129	77667	20.156	ug/l	99
61) 1,2-Dibromoethane	11.00	107	68659	20.170	ug/l	98
64) Tetrachloroethene	10.63	164	75441	21.702	ug/l	100
65) Chlorobenzene	11.43	112	175654	19.891	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	69804	19.671	ug/l	98
67) Ethyl Benzene	11.51	91	316323	20.058	ug/l	99
68) m/p-Xylenes	11.62	106	239739	40.249	ug/l	99
69) o-Xylene	11.95	106	119986	20.532	ug/l	99
70) Styrene	11.96	104	192629	19.879	ug/l	99
71) Bromoform	12.13	173	60073	19.926	ug/l #	99
73) Isopropylbenzene	12.25	105	313989	20.726	ug/l	99
74) N-amyl acetate	12.07	43	111782	21.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93419	20.027	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	115200	30.148	ug/l #	100
77) Bromobenzene	12.53	156	80632	21.035	ug/l	99
78) n-propylbenzene	12.59	91	323464	19.700	ug/l	99
79) 2-Chlorotoluene	12.67	91	201393	20.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	257501	20.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28341	19.493	ug/l	100
82) 4-Chlorotoluene	12.77	91	191255	19.757	ug/l	99
83) tert-Butylbenzene	12.99	119	227671	20.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254289	20.293	ug/l	100
85) sec-Butylbenzene	13.17	105	286944	20.241	ug/l	99
86) p-Isopropyltoluene	13.29	119	261564	20.074	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	126948	20.157	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	119159	19.892	ug/l	99
89) n-Butylbenzene	13.61	91	195933	19.356	ug/l	99
90) Hexachloroethane	13.87	117	50190	20.179	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	129802	20.680	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16701	20.124	ug/l	99

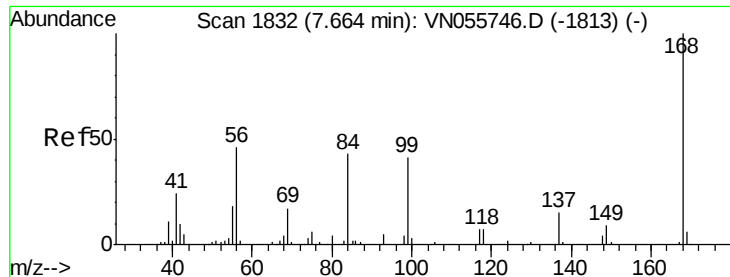
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59484	18.892	ug/l	99
94) Hexachlorobutadiene	15.01	225	49949	22.365	ug/l	100
95) Naphthalene	15.13	128	164722	19.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	64547	19.434	ug/l	99

(#) = 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: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

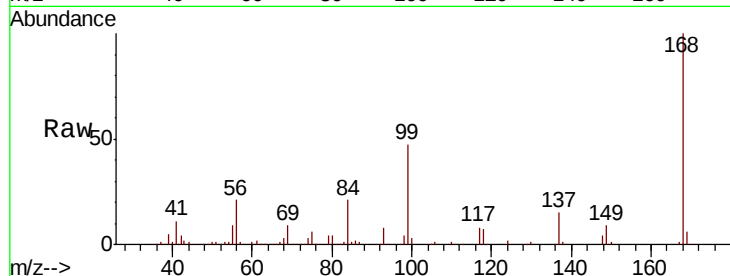
VSTDIC020

Tot Ion:168 Resp: 340354

Ion Ratio Lower Upper

168 100

99 46.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

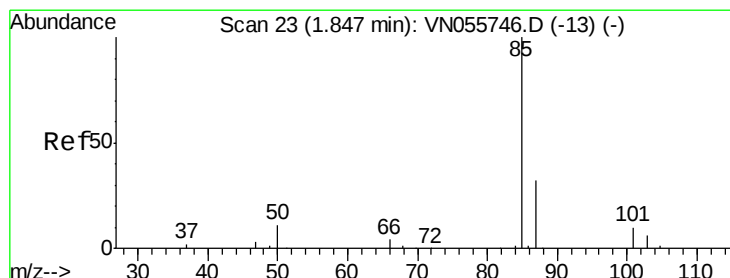
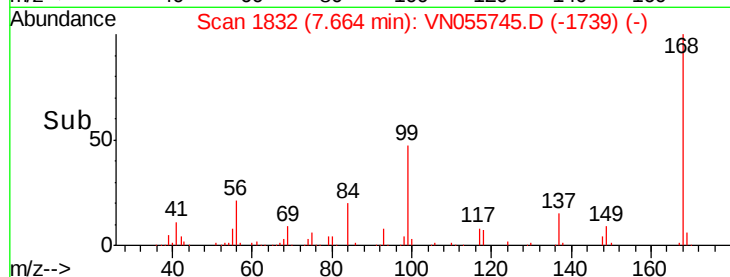
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.781 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055745.D

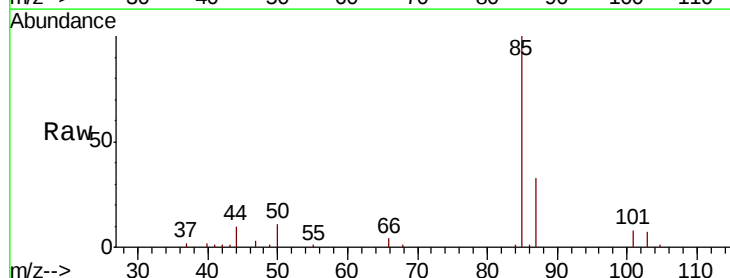
Acq: 23 May 2019 10:10

Tgt Ion: 85 Resp: 45706

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

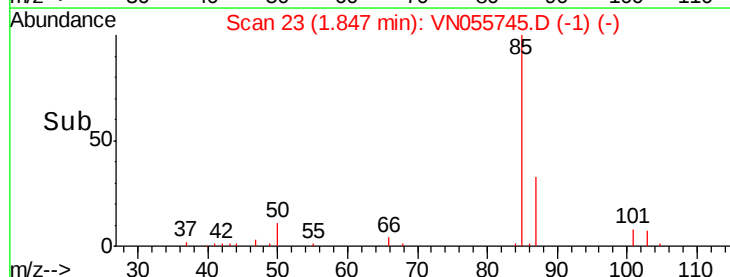
20000

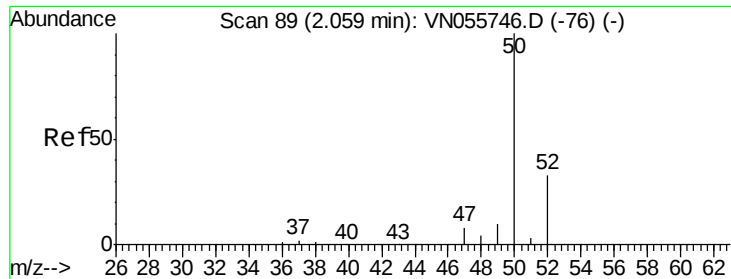
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.943 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

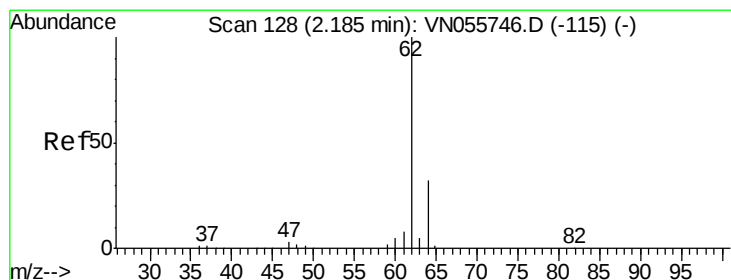
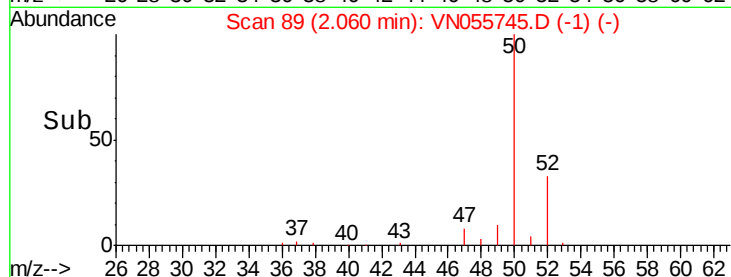
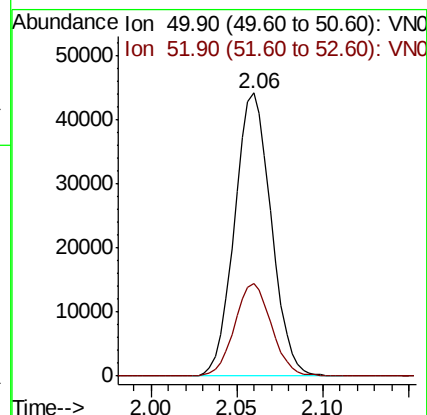
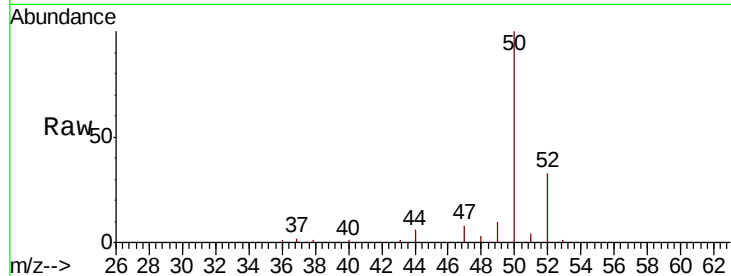
VSTDIC020

Tot Ion: 50 Resp: 65674

Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0



#4

Vinyl Chloride

Concen: 18.458 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055745.D

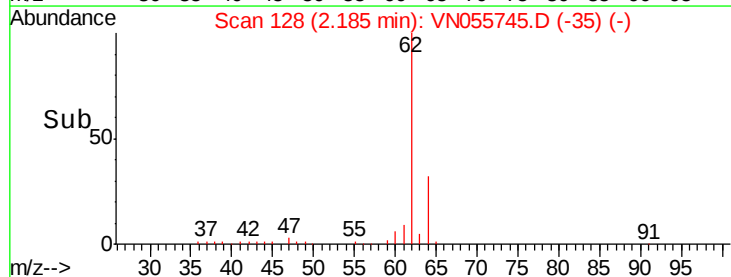
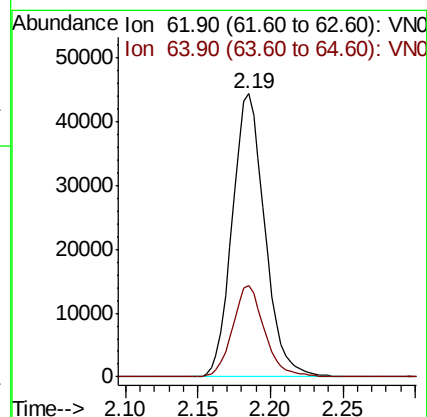
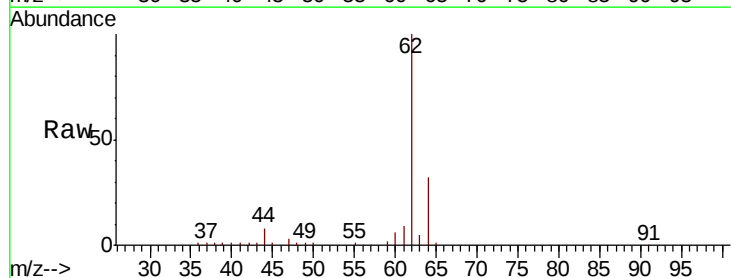
Acq: 23 May 2019 10:10

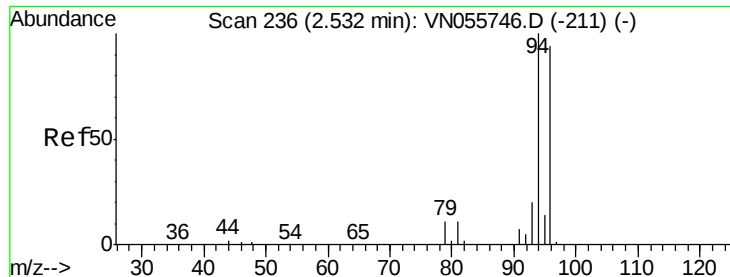
Tgt Ion: 62 Resp: 69026

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 19.490 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

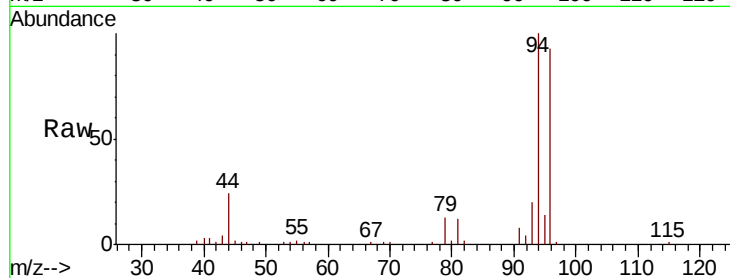
VSTDIC020

Tot Ion: 94 Resp: 46664

Ion Ratio Lower Upper

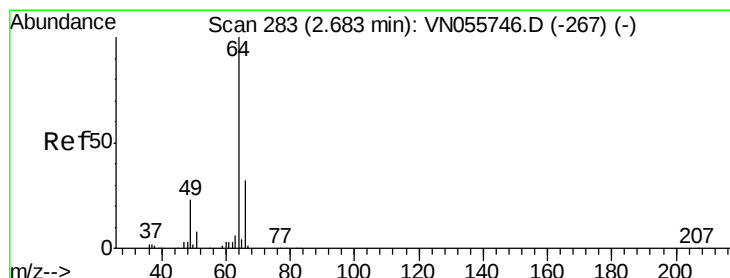
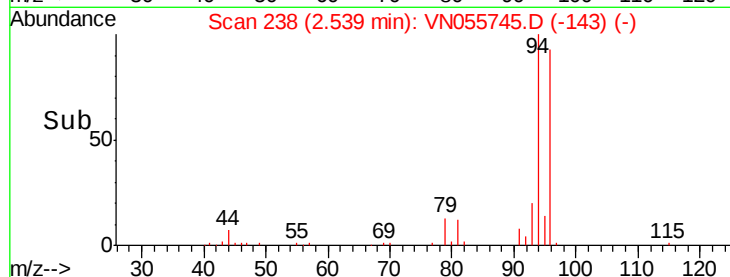
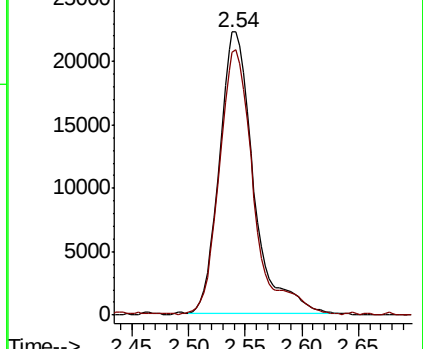
94 100

96 92.9 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: 20.851 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055745.D

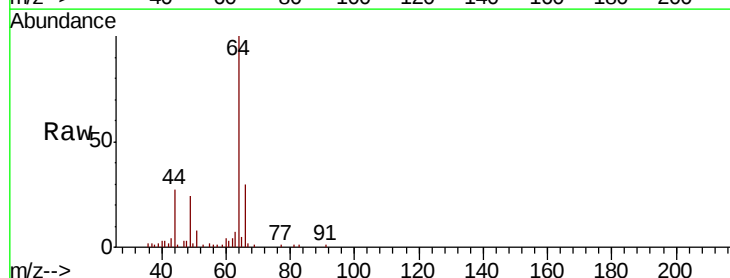
Acq: 23 May 2019 10:10

Tgt Ion: 64 Resp: 43795

Ion Ratio Lower Upper

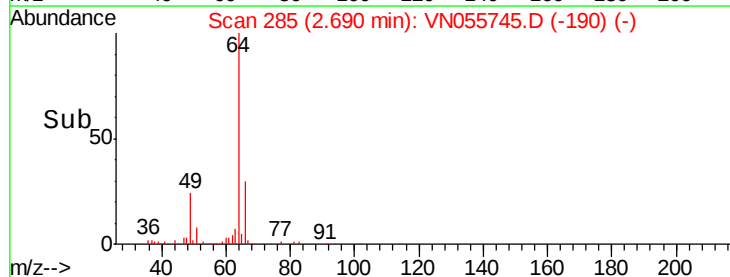
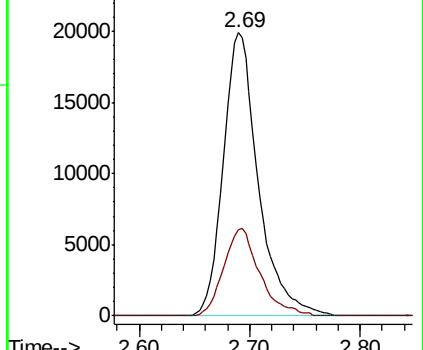
64 100

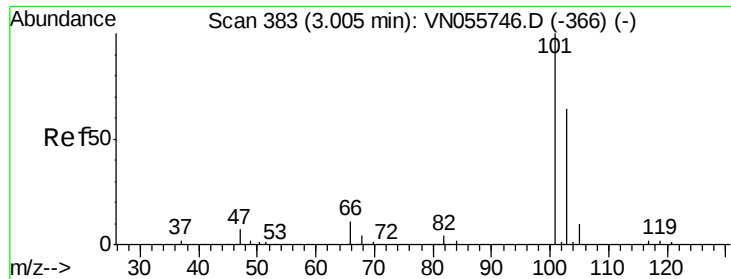
66 30.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



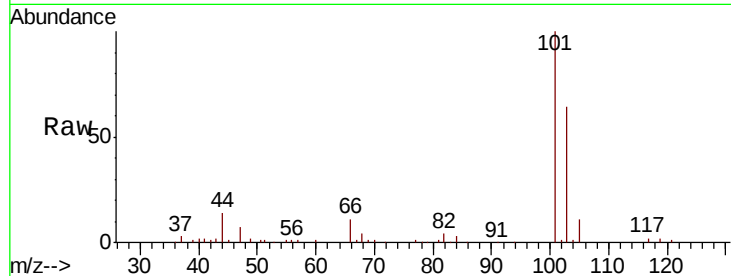


#7

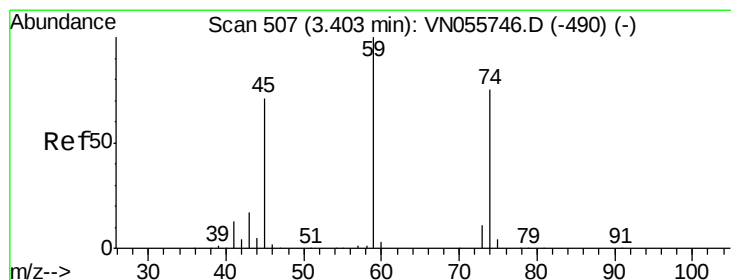
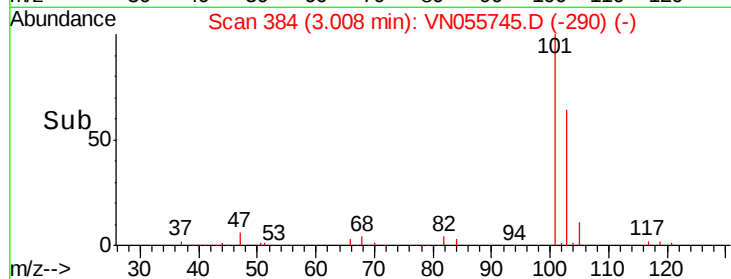
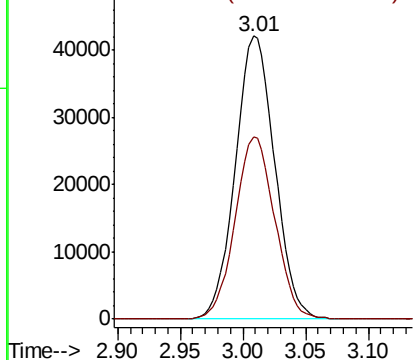
Trichlorofluoromethane
 Concen: 19.118 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Instrument :
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 ClientSampleId :
 VSTDIC020

Tot Ion:101 Resp: 91653
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.2 76.8



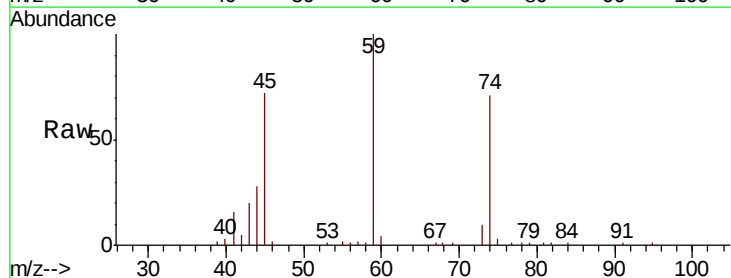
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



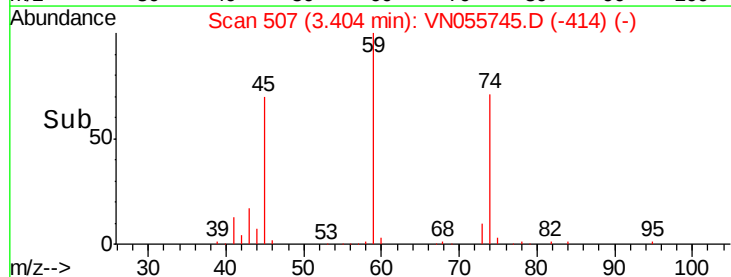
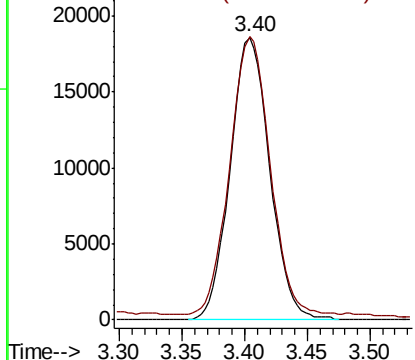
#8

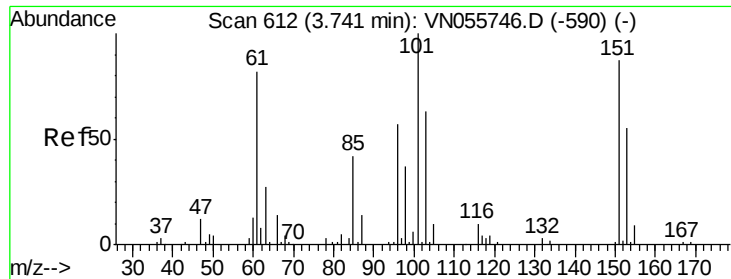
Diethyl Ether
 Concen: 20.883 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 74 Resp: 40734
 Ion Ratio Lower Upper
 74 100
 45 99.1 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: 19.445 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

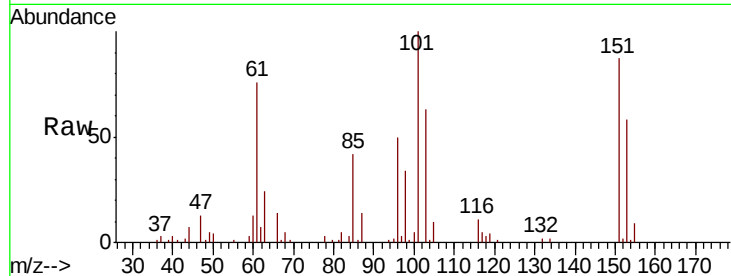
Tot Ion:101 Resp: 56967

Ion Ratio Lower Upper

101 100

85 41.8 33.4 50.2

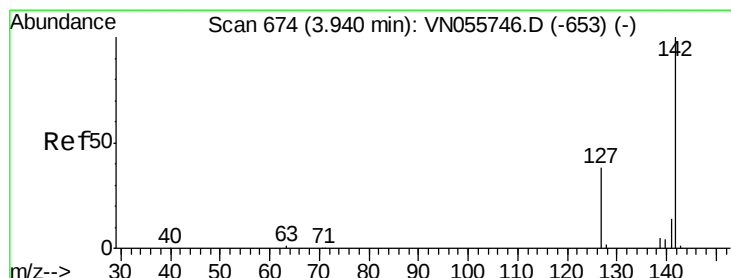
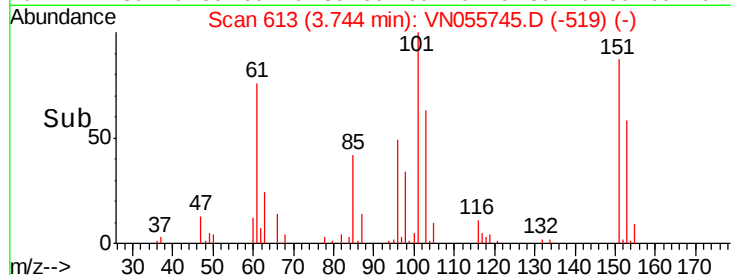
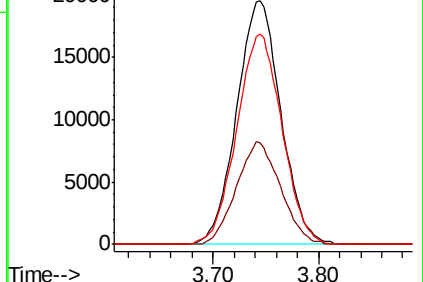
151 88.1 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.132 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

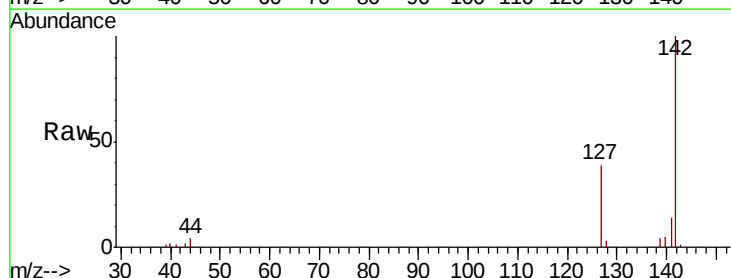
Tgt Ion:142 Resp: 85604

Ion Ratio Lower Upper

142 100

127 39.5 31.0 46.4

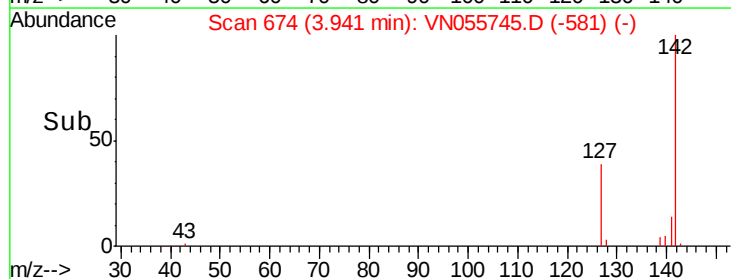
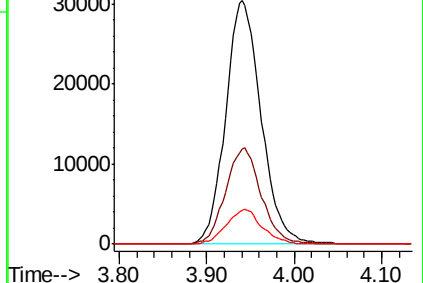
141 14.3 11.4 17.0

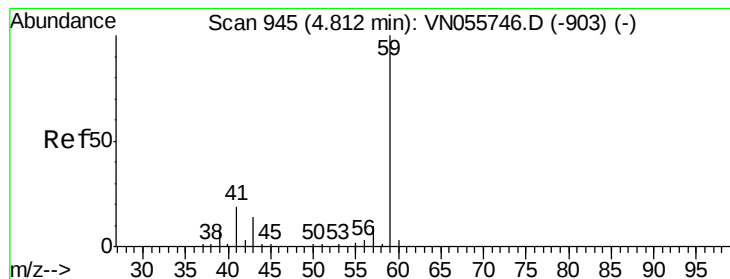


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



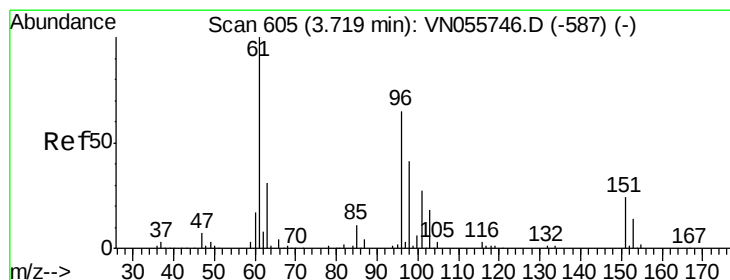
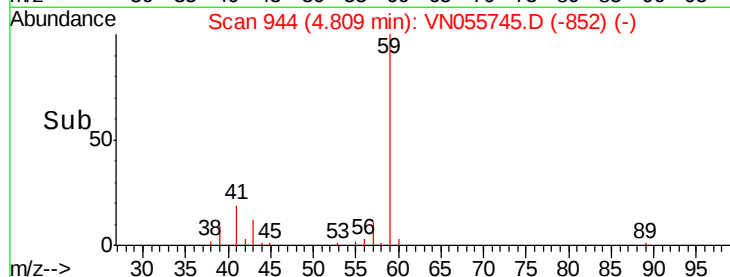
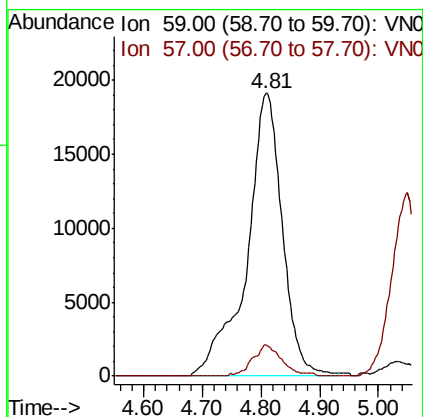
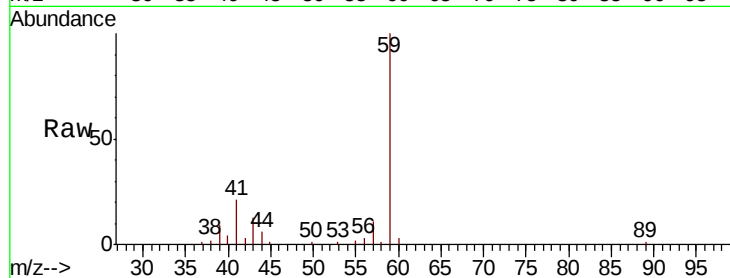


#11

Tert butyl alcohol
 Concen: 115.883 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

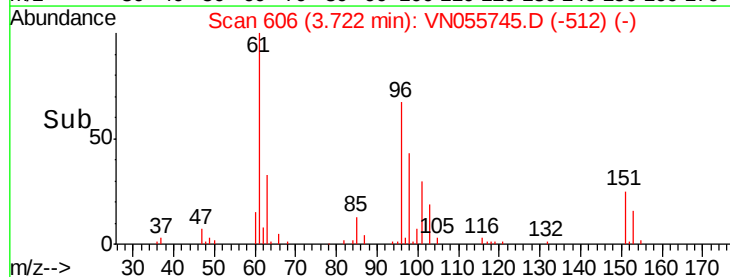
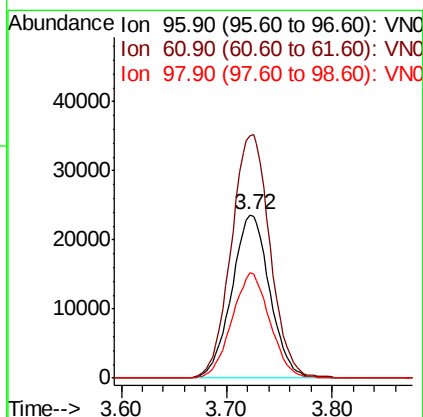
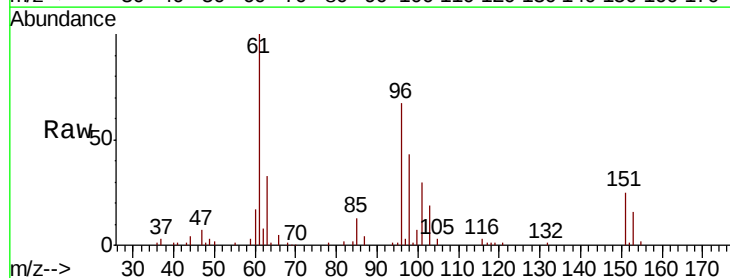
Tot Ion: 59 Resp: 80526
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.8 11.6

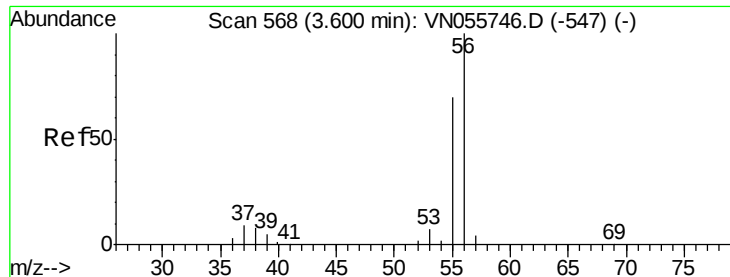


#12

1,1-Dichloroethene
 Concen: 19.161 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 96 Resp: 59085
 Ion Ratio Lower Upper
 96 100
 61 149.1 123.2 184.8
 98 64.3 50.4 75.6





#13

Acrolein

Concen: 124.075 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

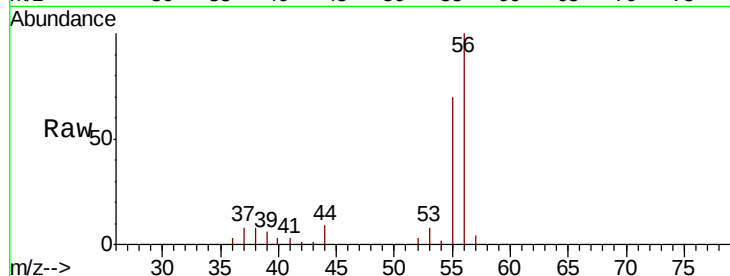
VSTDIC020

Tot Ion: 56 Resp: 49592

Ion Ratio Lower Upper

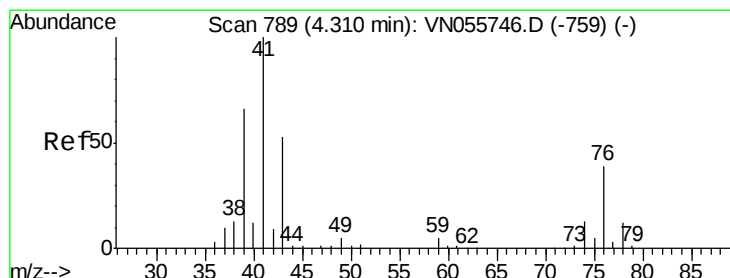
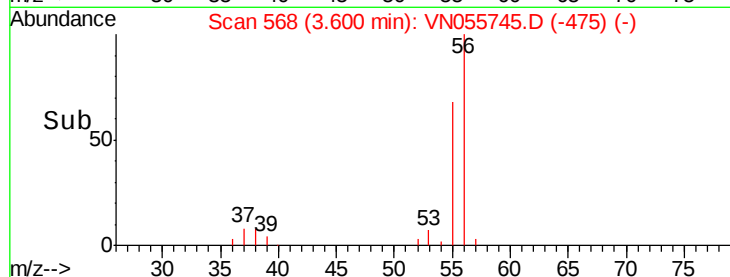
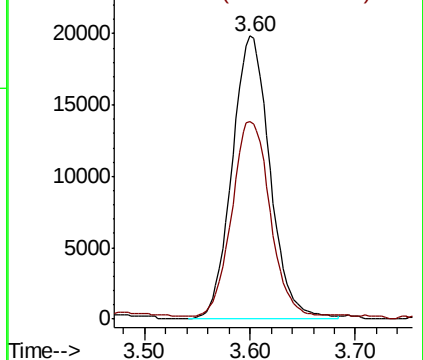
56 100

55 68.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.886 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

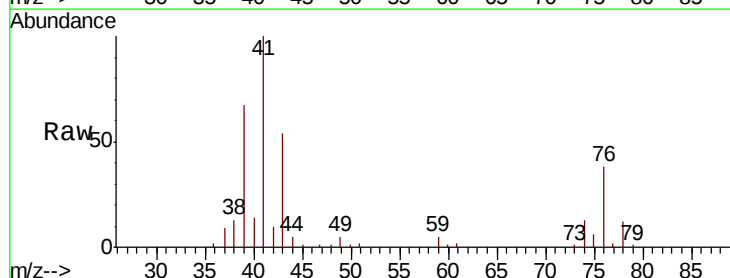
Tgt Ion: 41 Resp: 104117

Ion Ratio Lower Upper

41 100

39 61.6 50.0 75.0

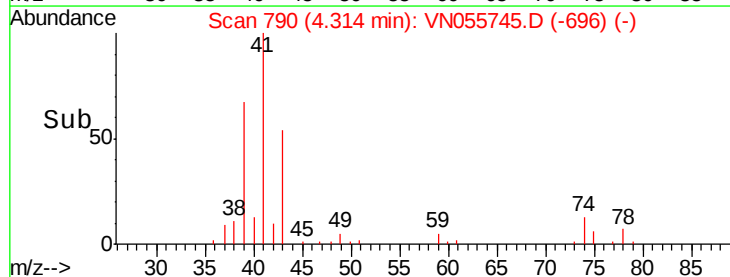
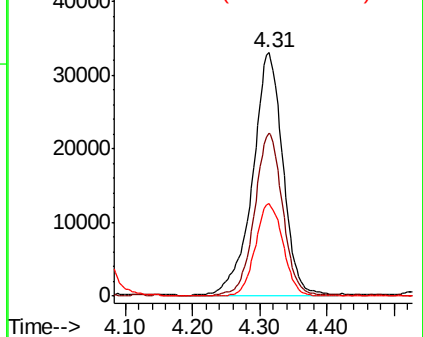
76 34.3 28.2 42.2

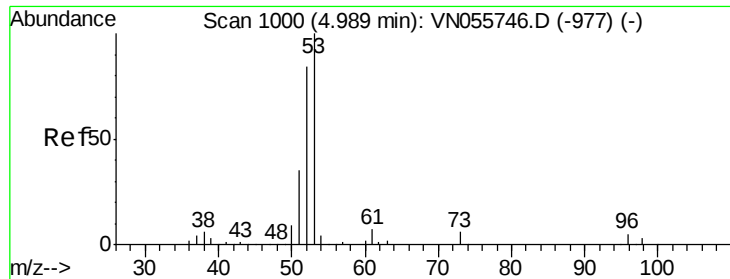


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.479 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

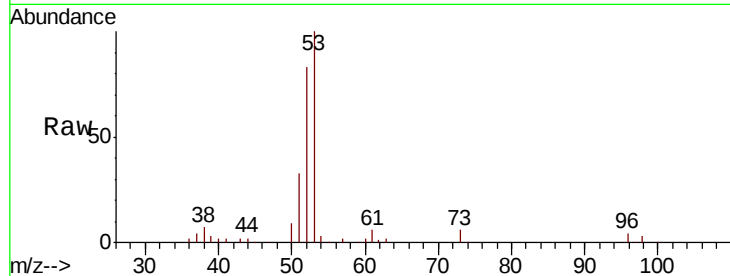
Tot Ion: 53 Resp: 159734

Ion Ratio Lower Upper

53 100

52 82.7 65.8 98.8

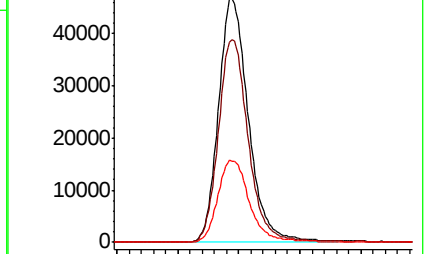
51 35.3 28.2 42.4



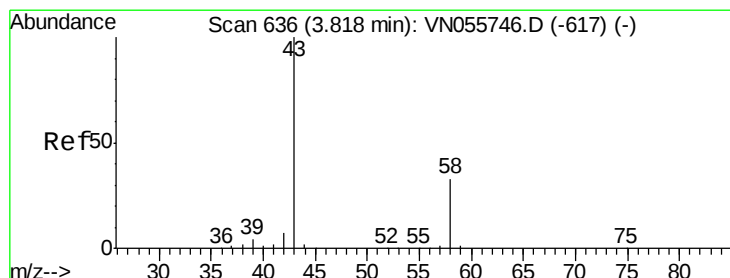
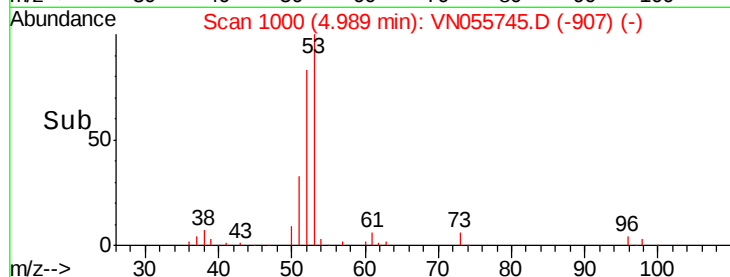
Abundance Ion 53.00 (52.70 to 53.70): VN055745.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN055745.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN055745.D (-907) (-)



Time--> 4.80 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 111.916 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055745.D

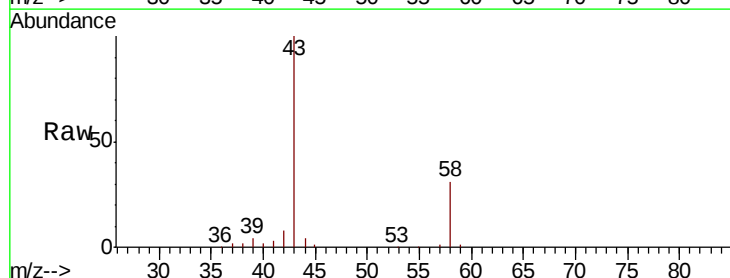
Acq: 23 May 2019 10:10

Tgt Ion: 43 Resp: 170789

Ion Ratio Lower Upper

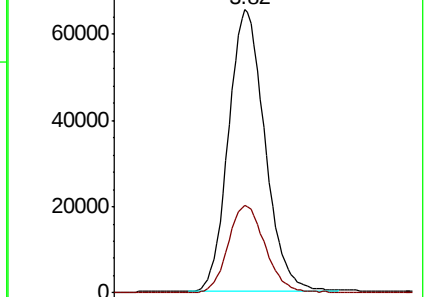
43 100

58 30.9 26.6 39.8

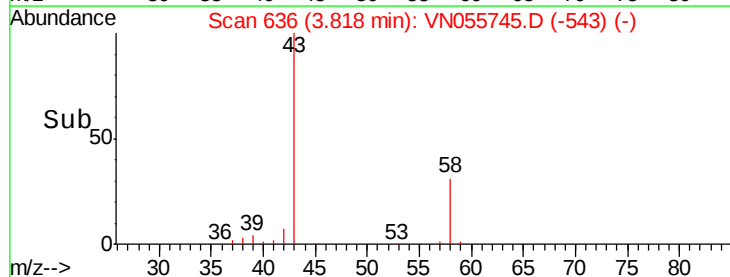


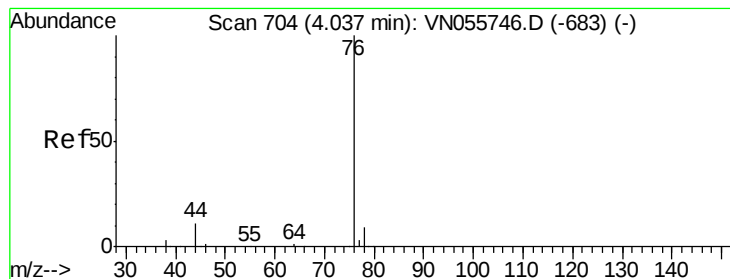
Abundance Ion 43.00 (42.70 to 43.70): VN055745.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055745.D (-543) (-)



Time--> 3.70 3.80 3.90





#17

Carbon Disulfide

Concen: 19.163 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

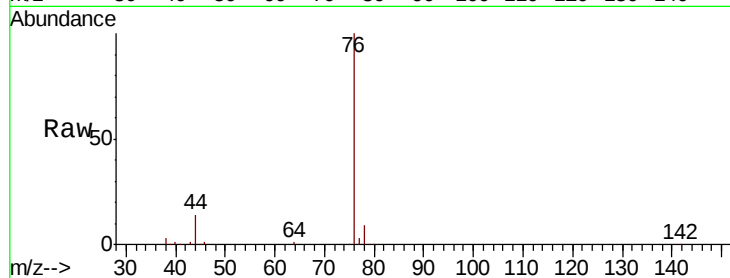
VSTDIC020

Tot Ion: 76 Resp: 164155

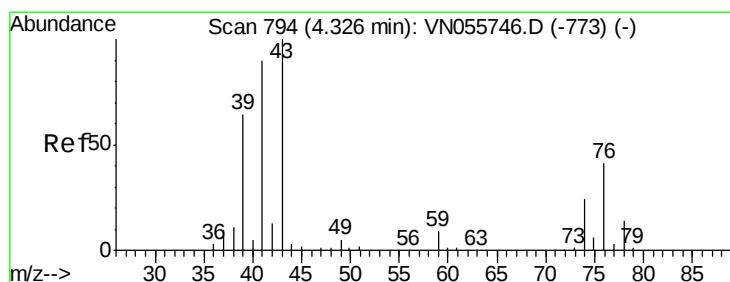
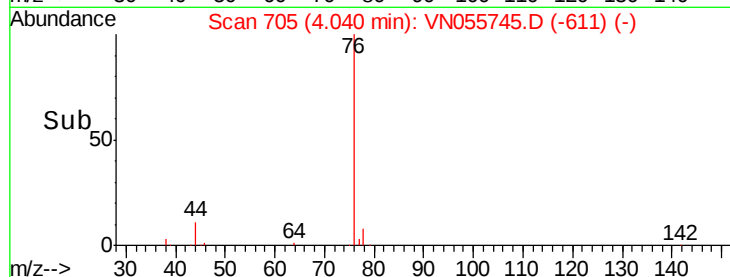
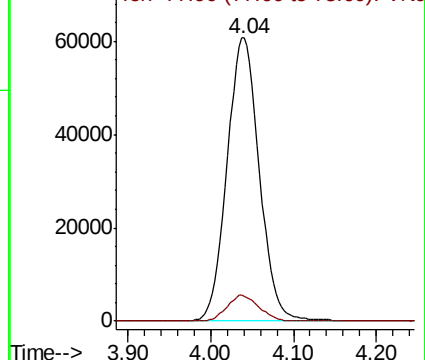
Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



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



#18

Methyl Acetate

Concen: 20.471 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055745.D

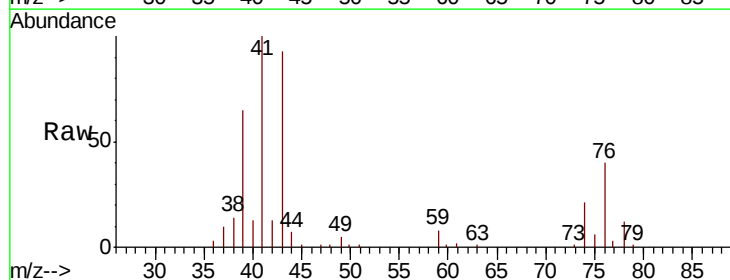
Acq: 23 May 2019 10:10

Tgt Ion: 43 Resp: 66781

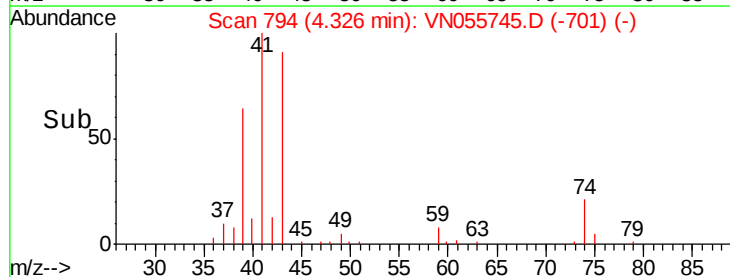
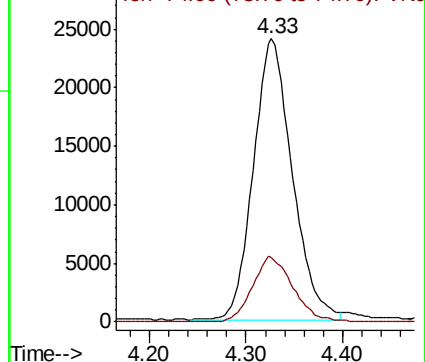
Ion Ratio Lower Upper

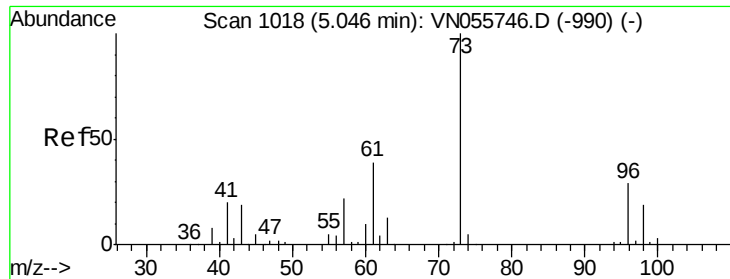
43 100

74 24.0 19.3 28.9



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

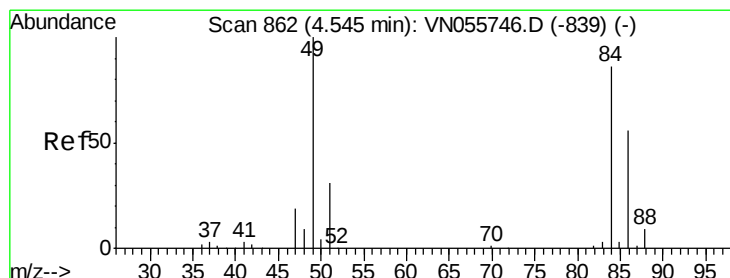
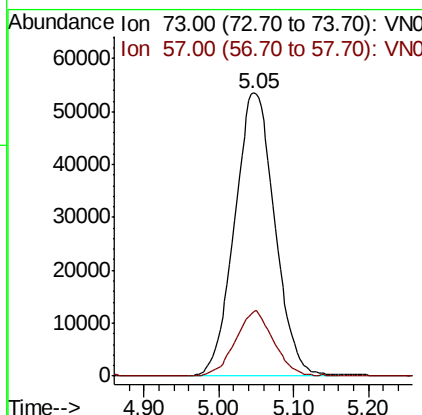
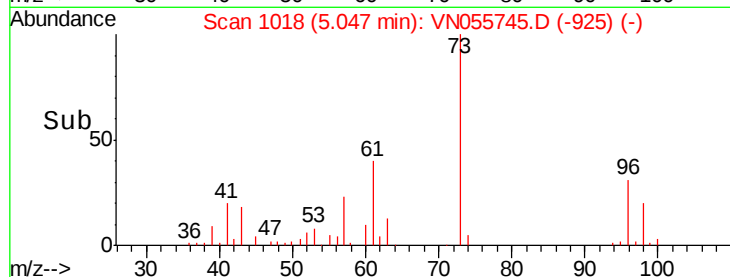
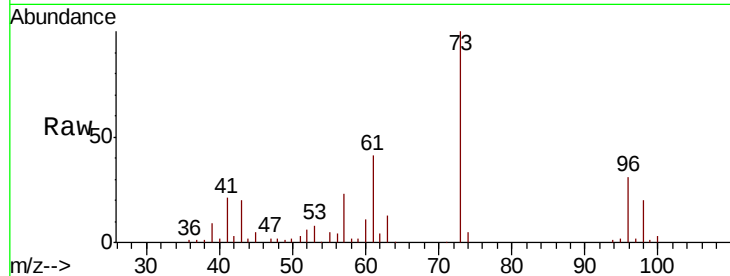




#19
Methyl tert-butyl Ether
Concen: 19.646 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

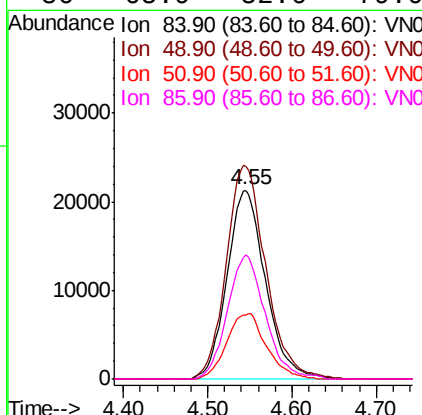
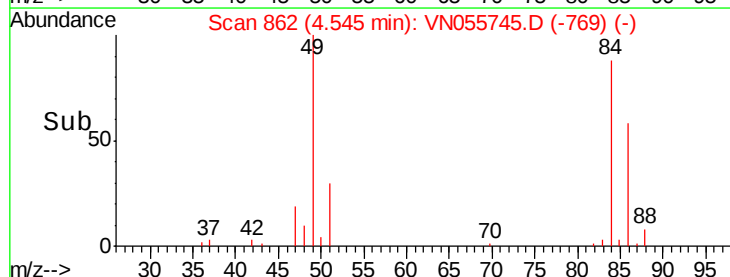
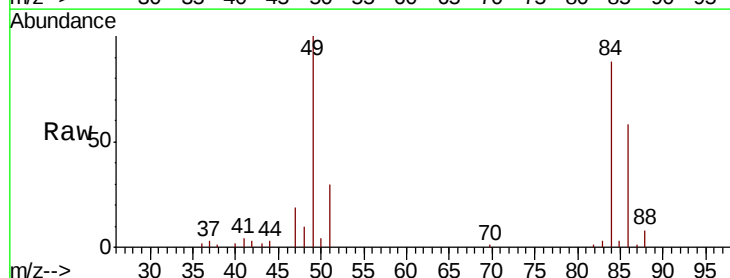
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

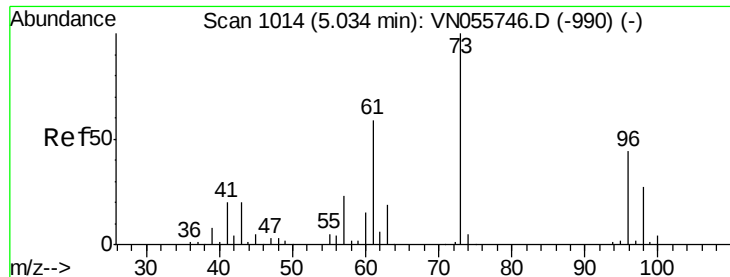
Tot Ion: 73 Resp: 199903
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8



#20
Methylene Chloride
Concen: 19.572 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 84 Resp: 67568
Ion Ratio Lower Upper
84 100
49 113.1 93.5 140.3
51 34.3 28.6 43.0
86 65.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.363 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

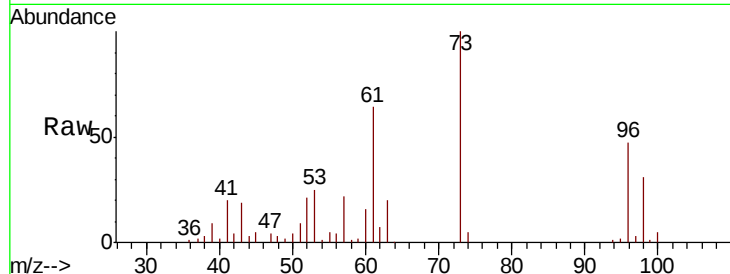
Tot Ion: 96 Resp: 63518

Ion Ratio Lower Upper

96 100

61 135.5 107.8 161.8

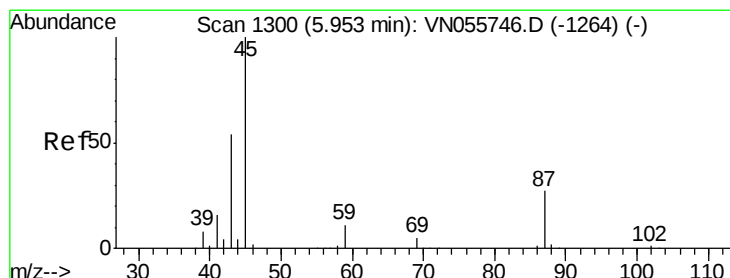
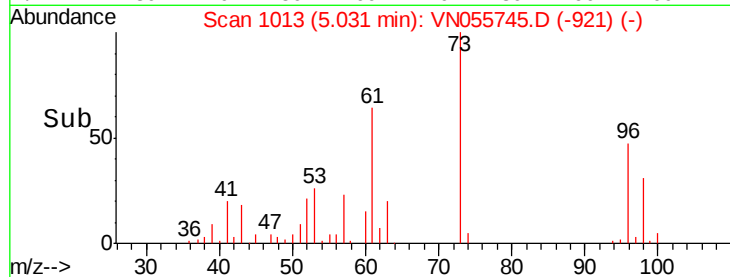
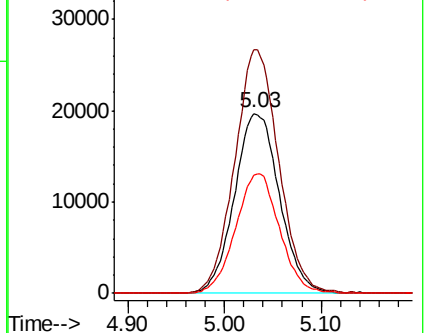
98 65.8 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN055745.D (-921) (-)

Ion 60.90 (60.60 to 61.60): VN055745.D (-921) (-)

Ion 97.90 (97.60 to 98.60): VN055745.D (-921) (-)



#22

Diisopropyl ether

Concen: 19.935 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Tgt Ion: 45 Resp: 197585

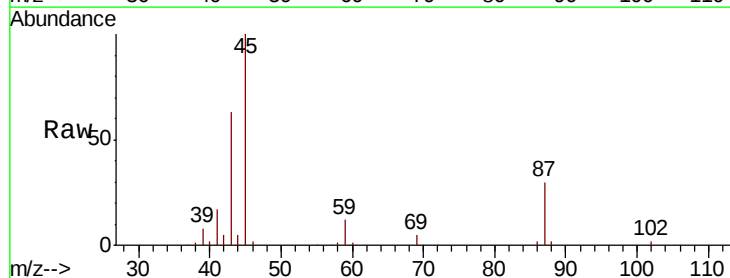
Ion Ratio Lower Upper

45 100

43 60.1 45.0 67.6

87 29.4 22.2 33.4

59 11.8 9.1 13.7

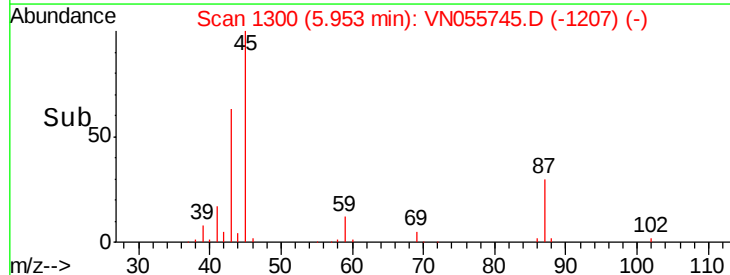
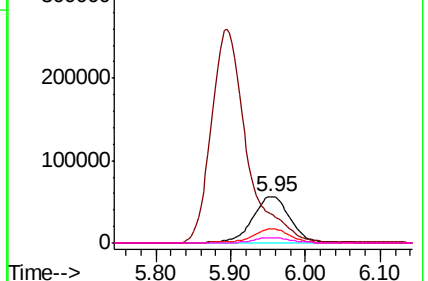


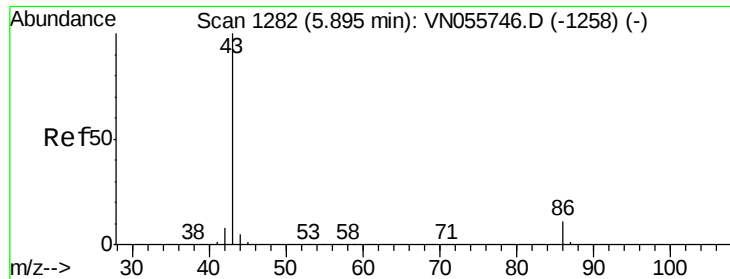
Abundance Ion 45.00 (44.70 to 45.70): VN055745.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055745.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055745.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055745.D (-1207) (-)





#23

Vinyl Acetate

Concen: 102.063 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

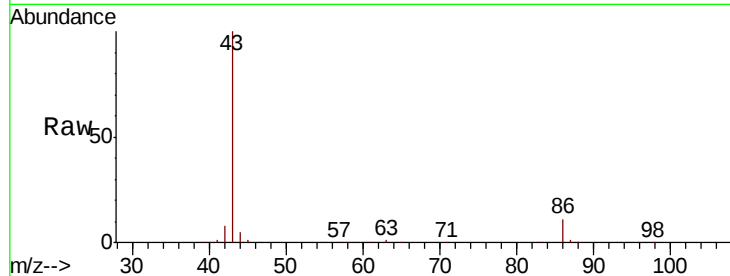
VSTDIC020

Tot Ion: 43 Resp: 858131

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055745.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN055745.D (-1189) (-)

5.90

250000

200000

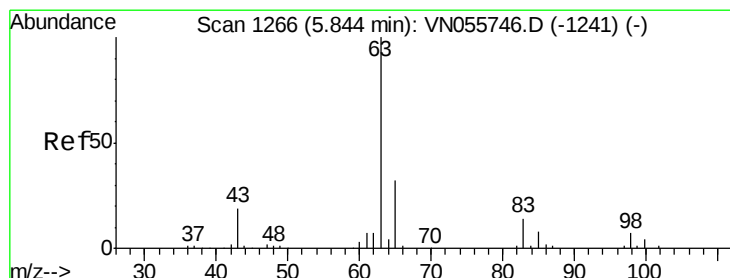
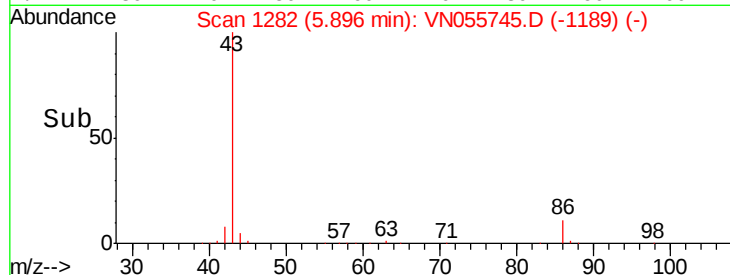
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.865 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

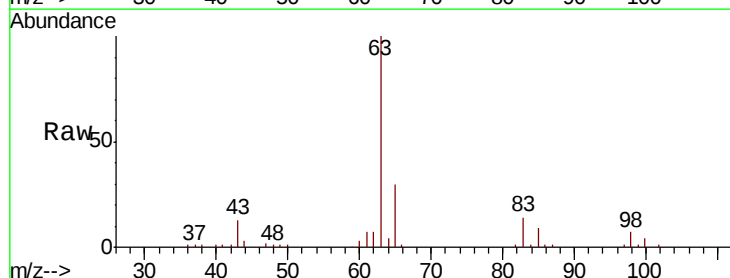
Tgt Ion: 63 Resp: 114686

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055745.D (-1173) (-)

Ion 97.90 (97.60 to 98.60): VN055745.D (-1173) (-)

Ion 99.90 (99.60 to 100.60): VN055745.D (-1173) (-)

5.84

50000

40000

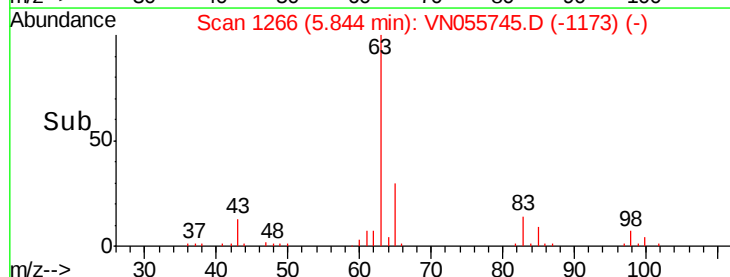
30000

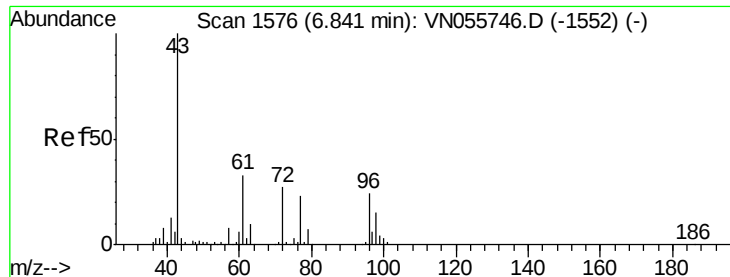
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 105.332 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

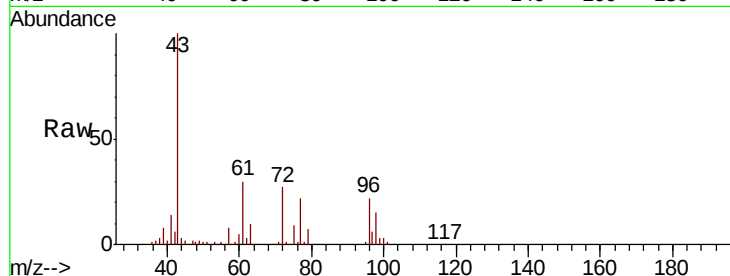
VSTDIC020

Tot Ion: 43 Resp: 224006

Ion Ratio Lower Upper

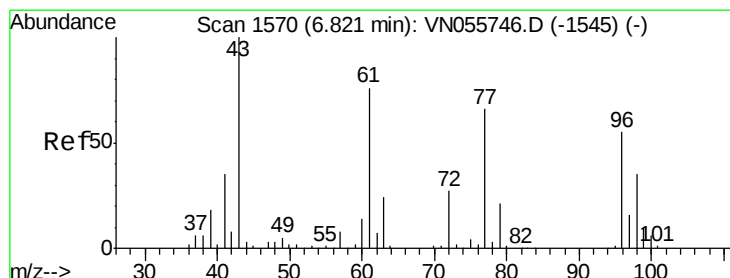
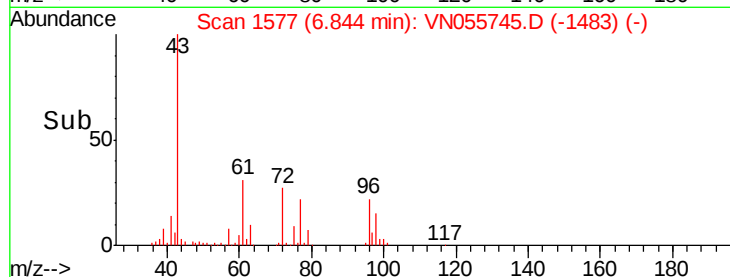
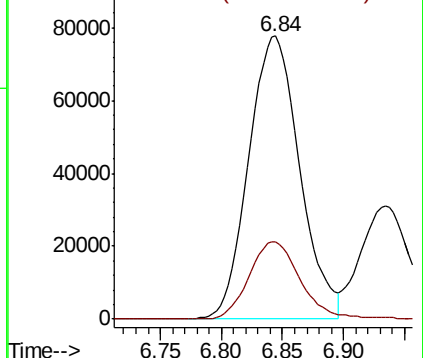
43 100

72 27.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.199 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055745.D

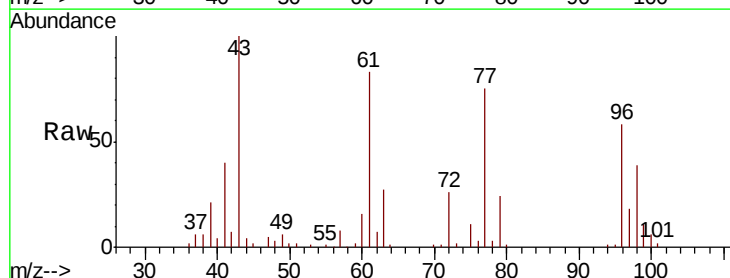
Acq: 23 May 2019 10:10

Tgt Ion: 77 Resp: 98162

Ion Ratio Lower Upper

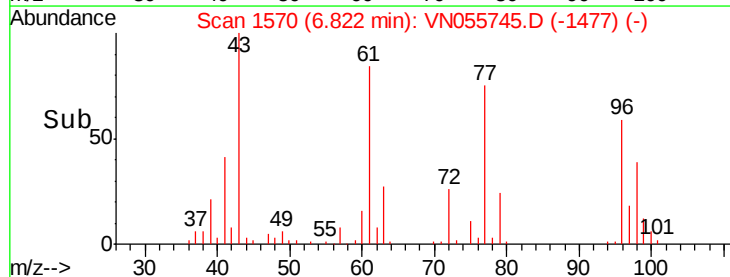
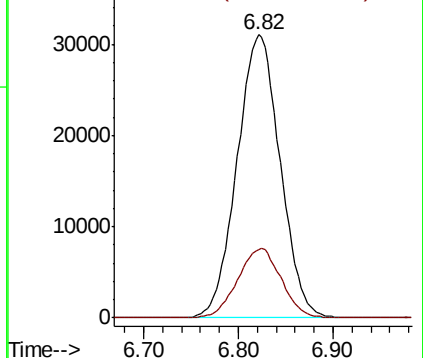
77 100

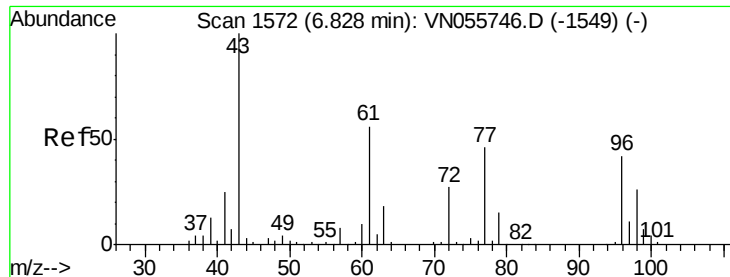
97 24.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.385 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

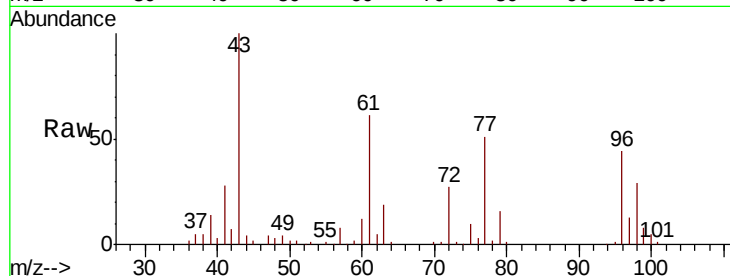
Tot Ion: 96 Resp: 74306

Ion Ratio Lower Upper

96 100

61 140.1 0.0 275.8

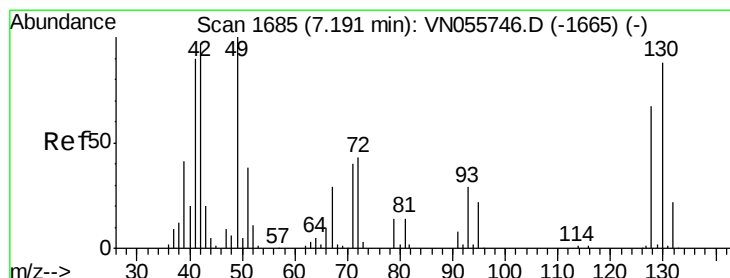
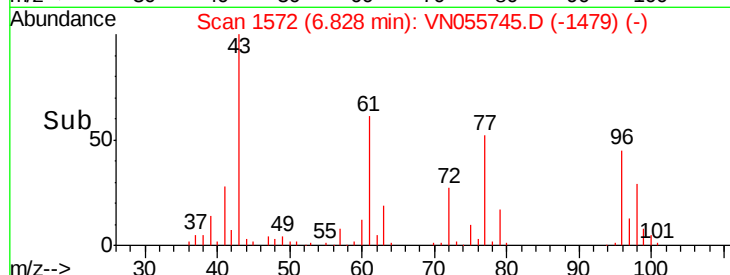
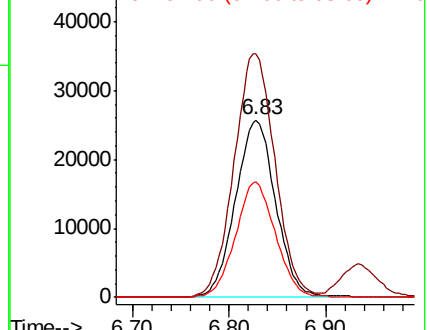
98 64.7 0.0 128.4



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: 23.625 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

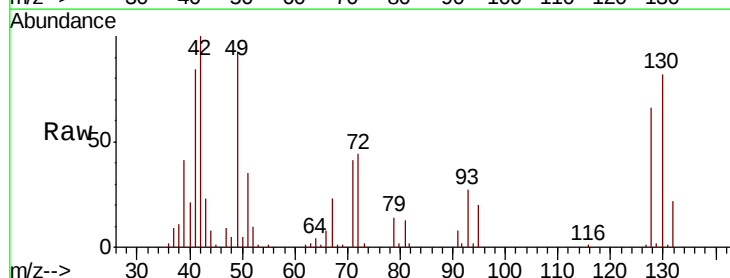
Tgt Ion: 49 Resp: 60223

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

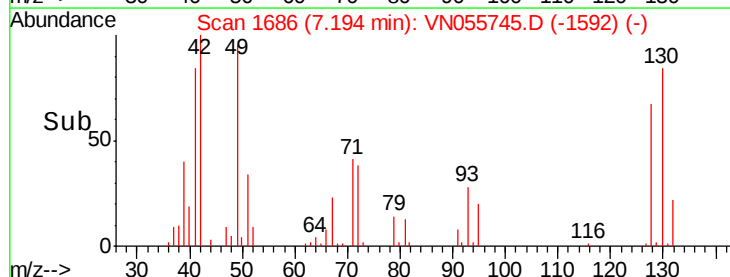
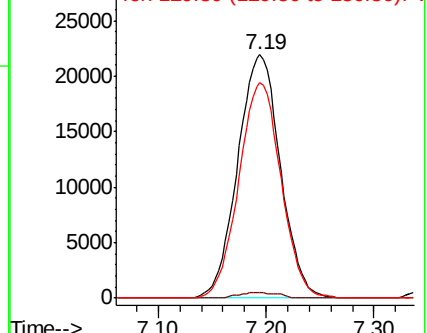
130 87.6 71.2 106.8

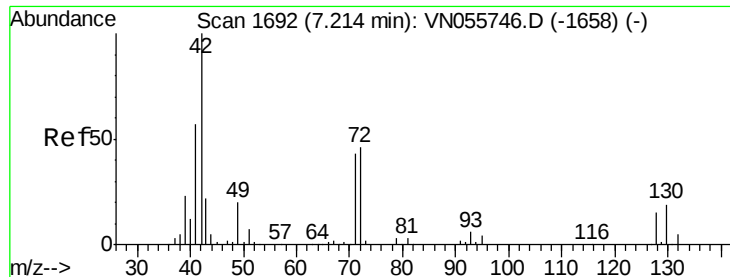


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

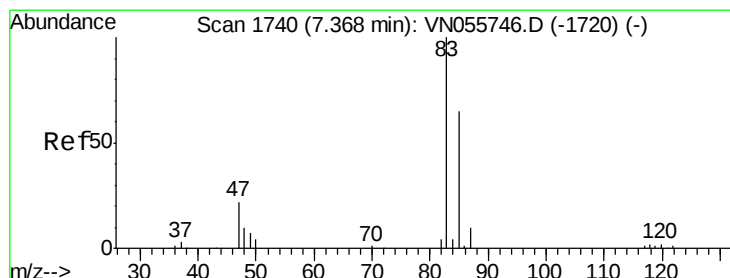
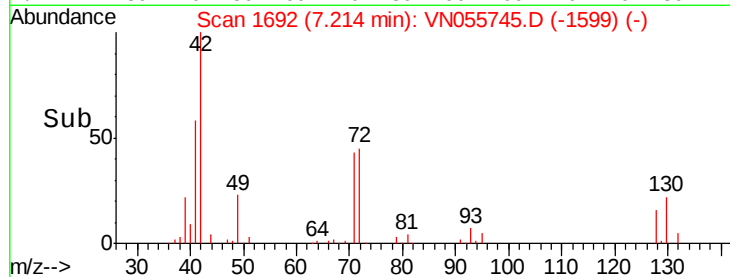
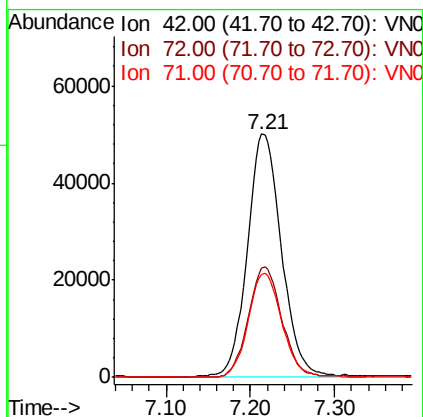
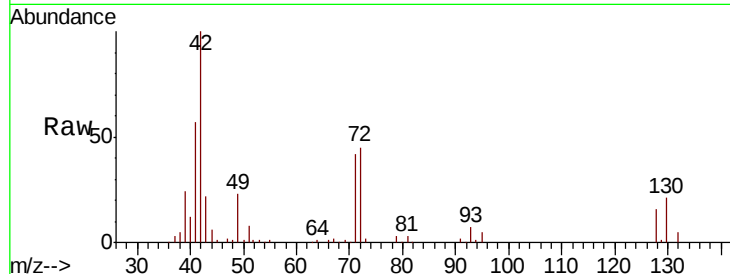




#29
Tetrahydrofuran
Concen: 100.347 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

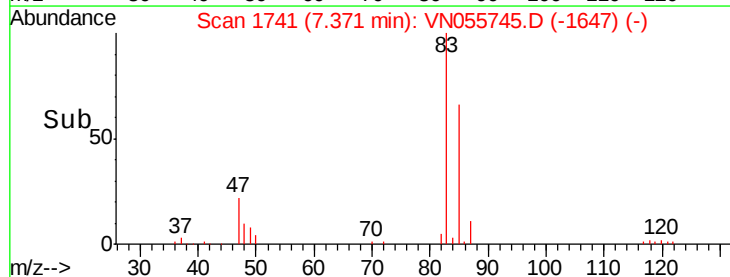
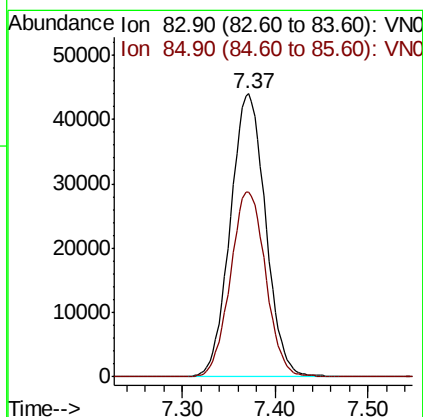
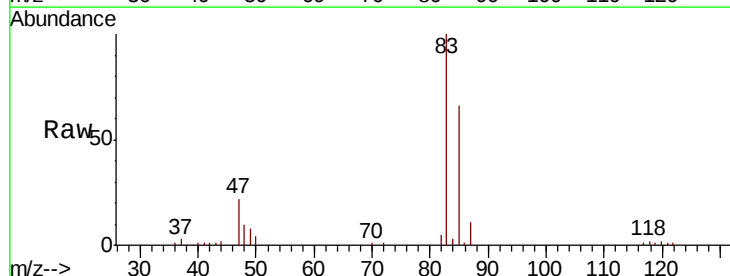
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

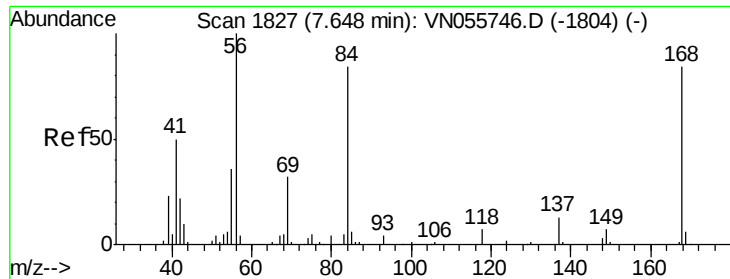
Tot Ion: 42 Resp: 141091
Ion Ratio Lower Upper
42 100
72 44.6 35.9 53.9
71 42.2 34.0 51.0



#30
Chloroform
Concen: 19.494 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 83 Resp: 115924
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.8

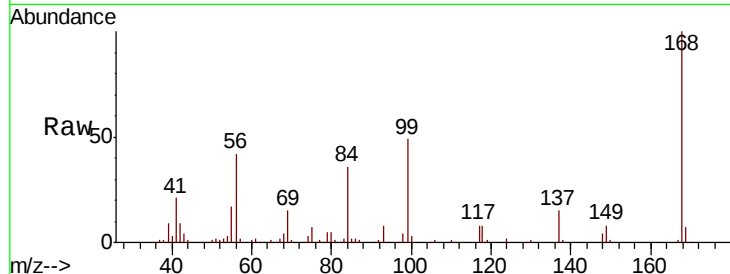




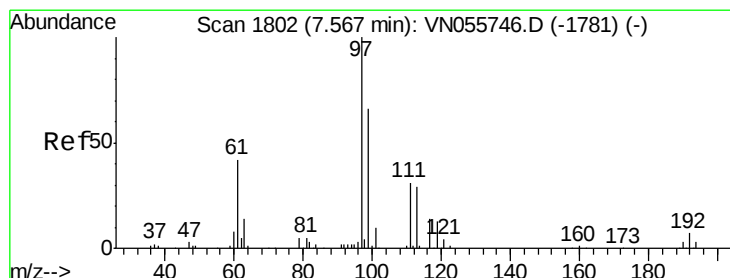
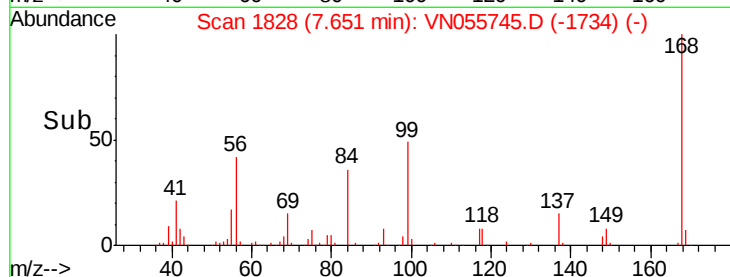
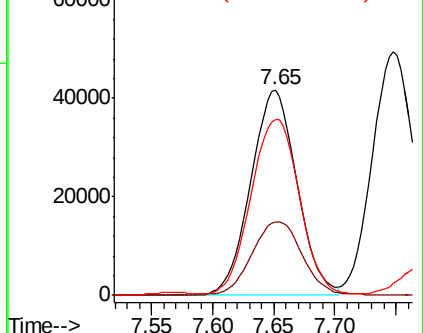
#31
Cyclohexane
Concen: 19.963 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 109952
Ion Ratio Lower Upper
56 100
69 35.9 25.6 38.4
84 84.4 67.4 101.0

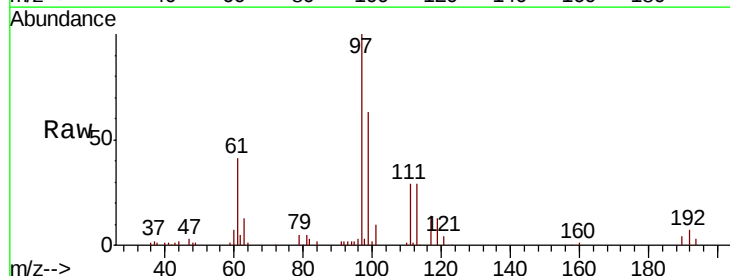


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

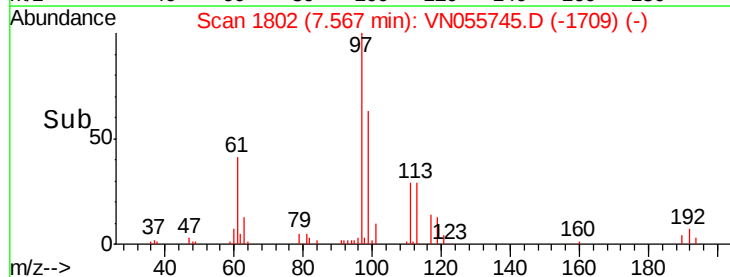
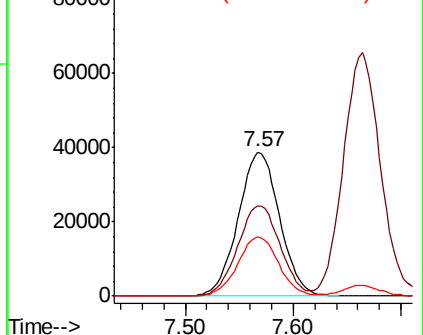


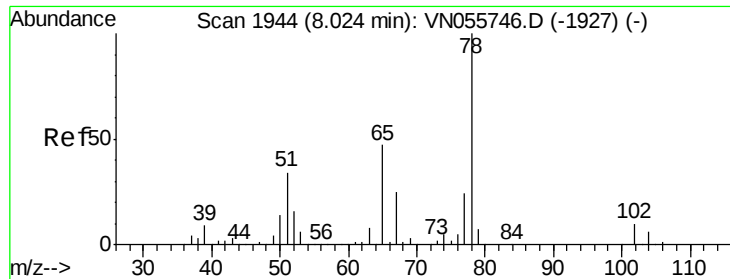
#32
1,1,1-Trichloroethane
Concen: 19.445 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 97 Resp: 103516
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 40.7 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

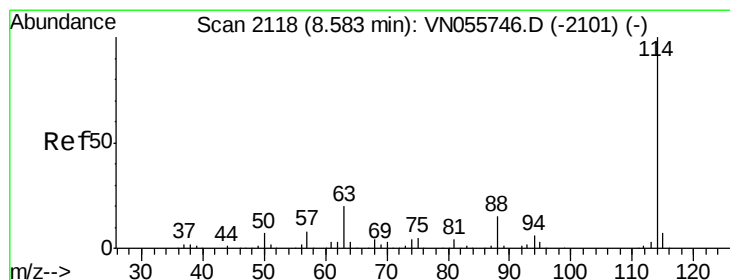
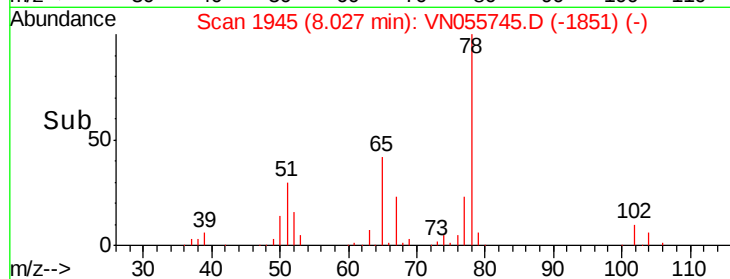
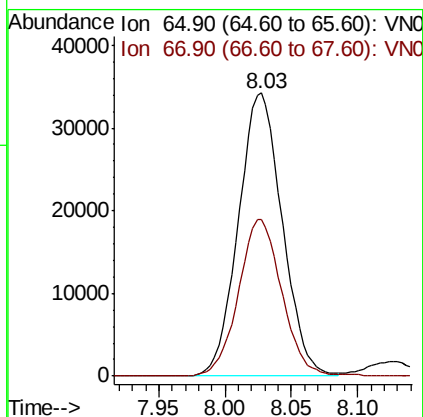
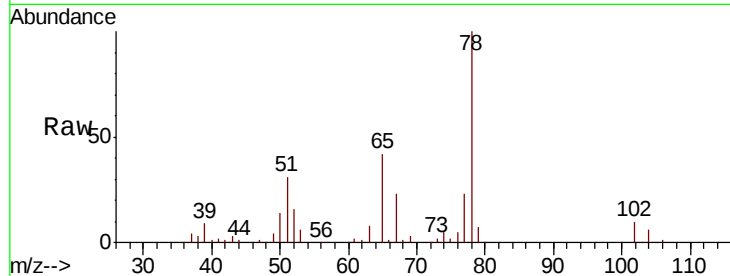




#33
 1,2-Dichloroethane-d4
 Concen: 21.271 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

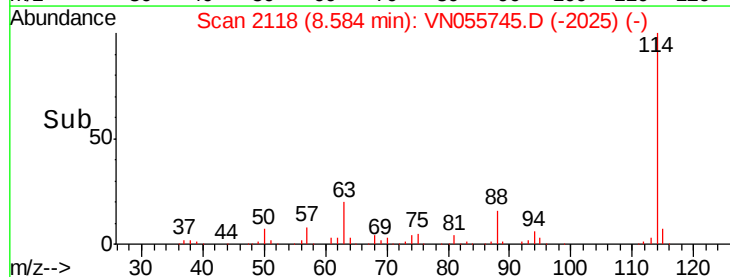
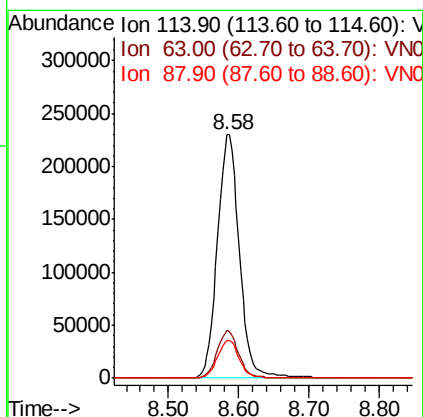
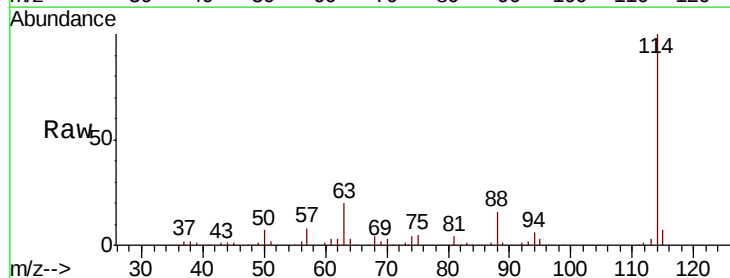
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

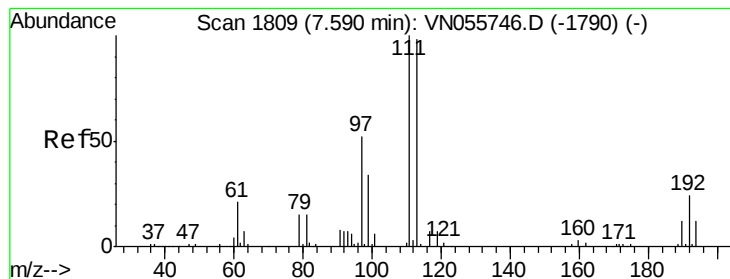
Tot Ion: 65 Resp: 78649
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 114 Resp: 500917
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 21.877 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

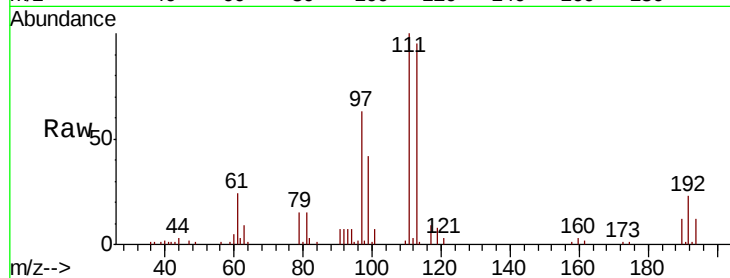
Tot Ion:113 Resp: 69494

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

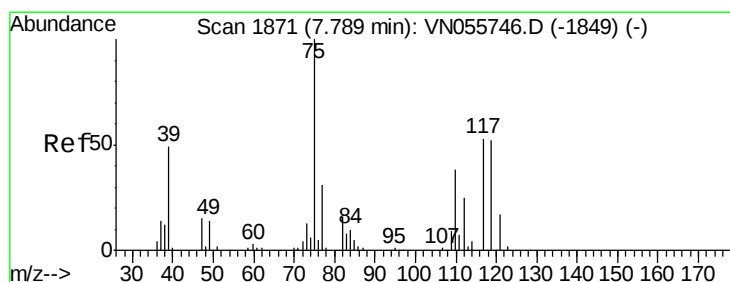
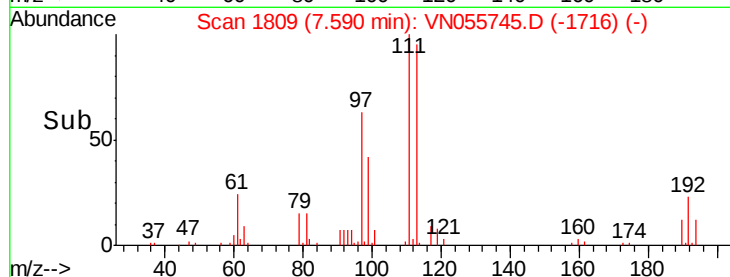
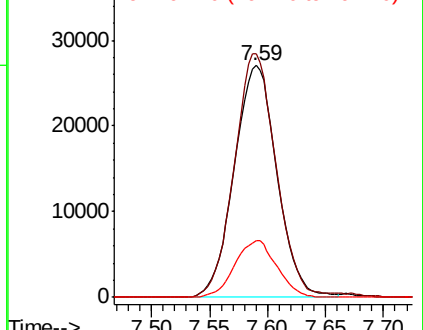
192 23.9 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.335 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

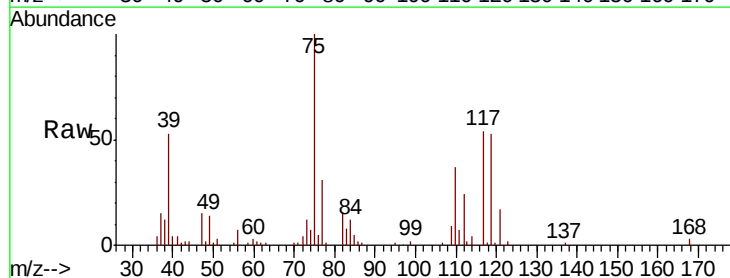
Tgt Ion: 75 Resp: 85910

Ion Ratio Lower Upper

75 100

110 38.1 19.0 57.0

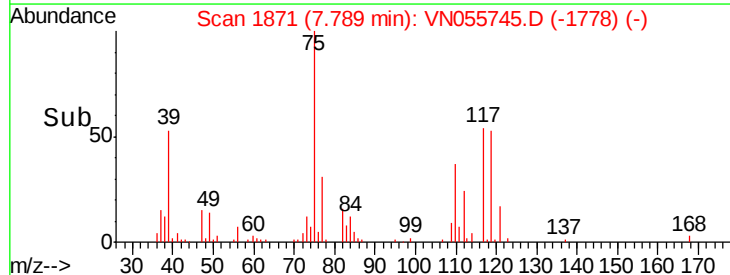
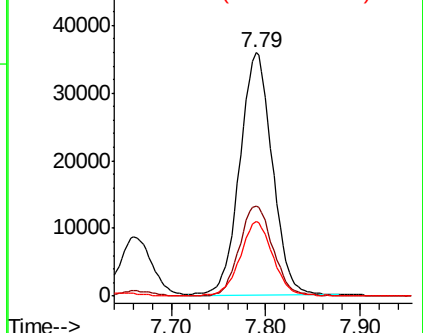
77 30.8 25.1 37.7

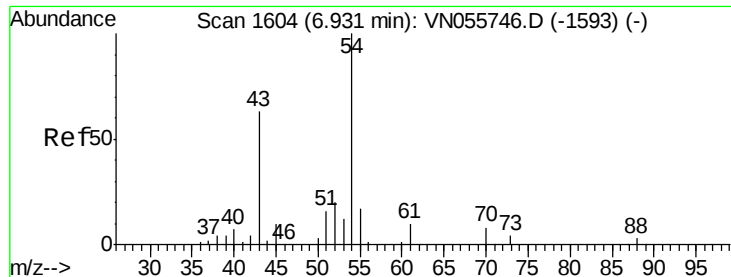


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

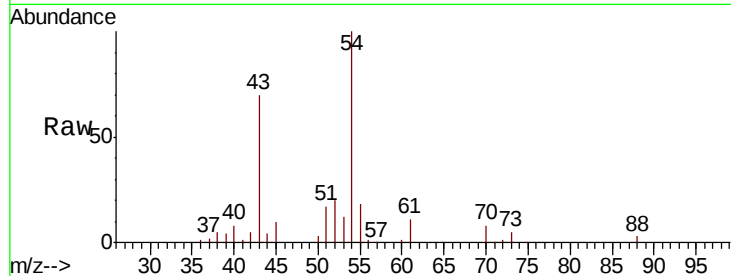




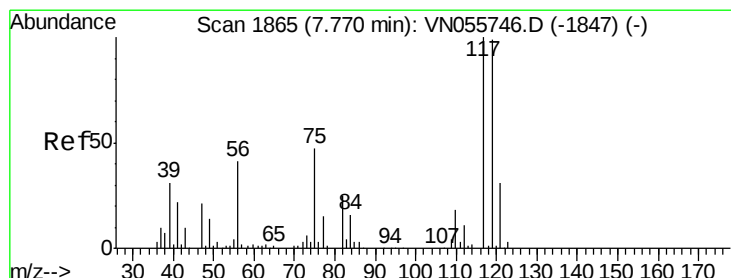
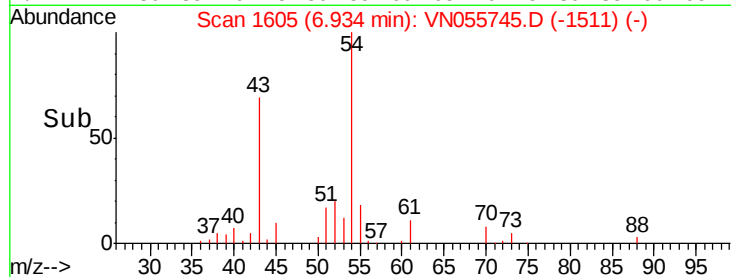
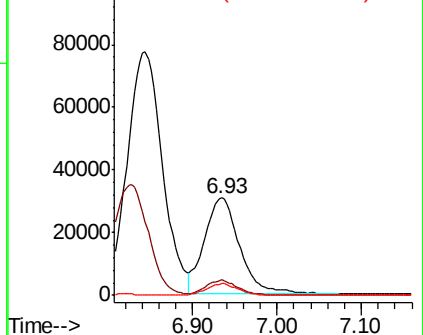
#37
Ethyl Acetate
Concen: 22.259 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 89621
Ion Ratio Lower Upper
43 100
61 14.7 12.2 18.2
70 10.9 8.9 13.3

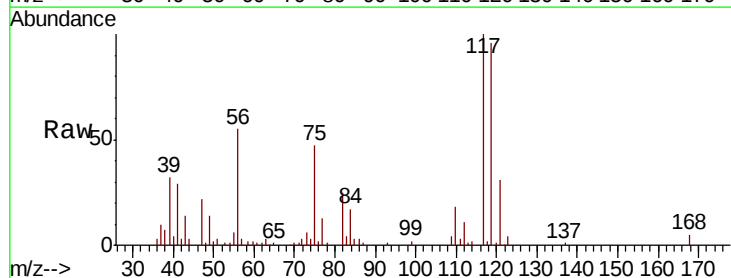


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

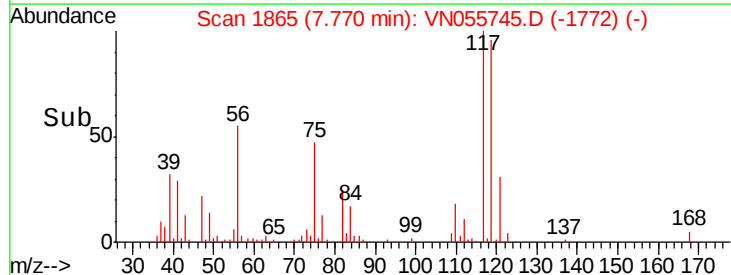
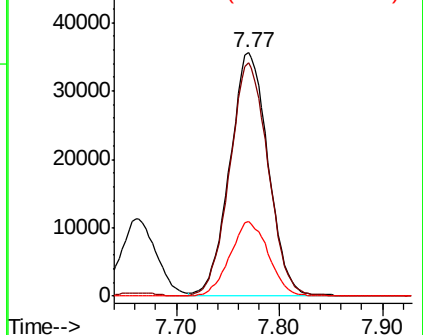


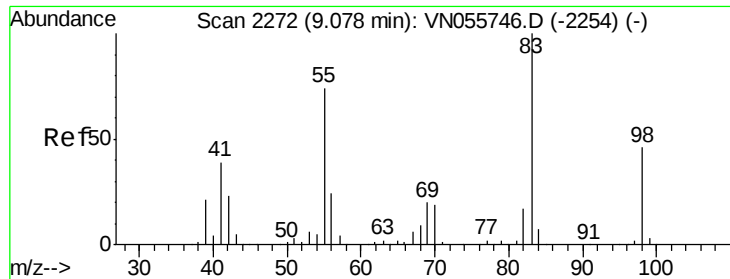
#38
Carbon Tetrachloride
Concen: 19.426 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 117 Resp: 92410
Ion Ratio Lower Upper
117 100
119 95.8 79.0 118.6
121 30.5 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

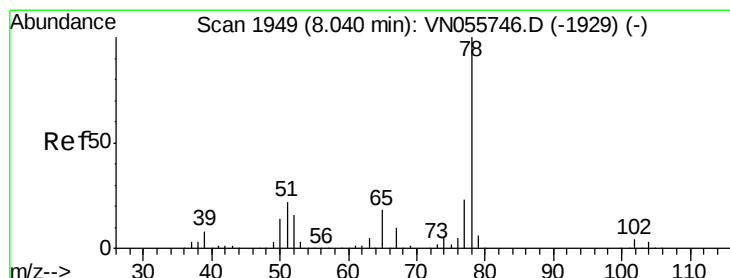
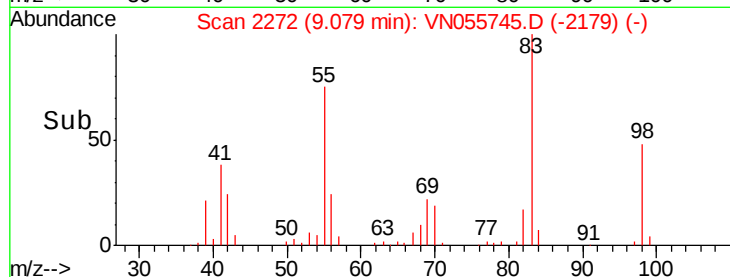
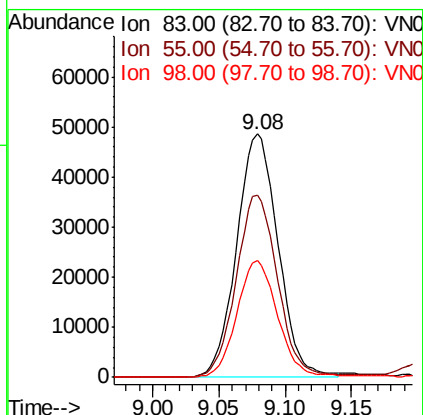
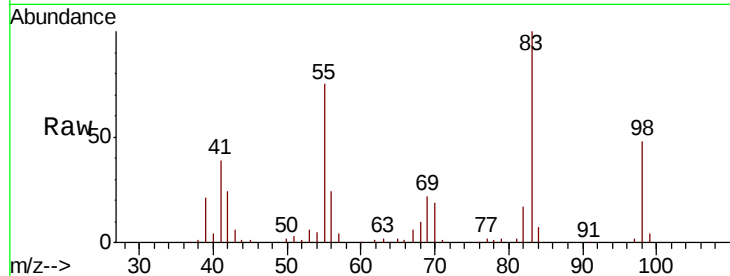




#39
Methvlcvclohexane
Concen: 19.665 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

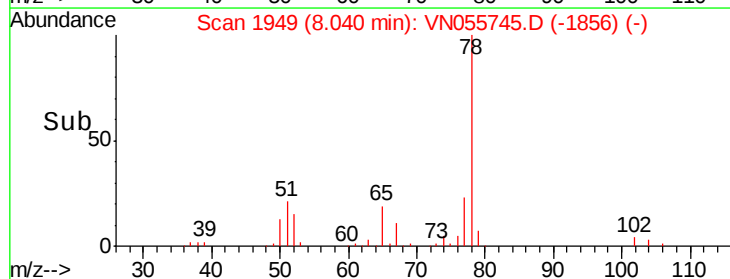
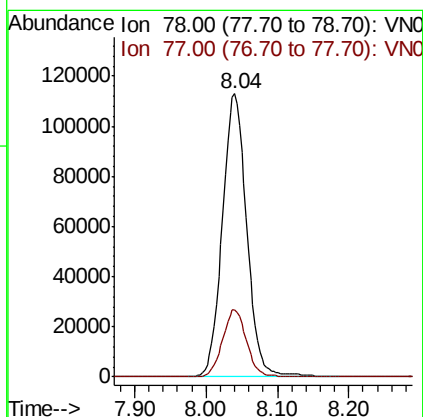
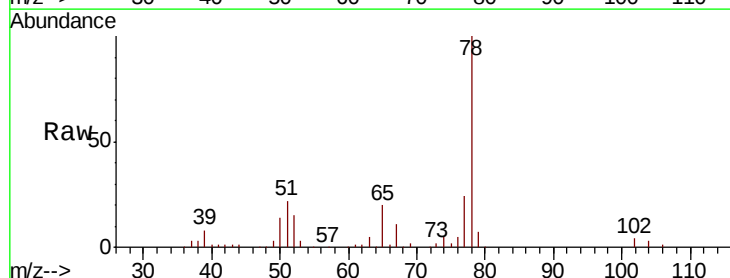
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

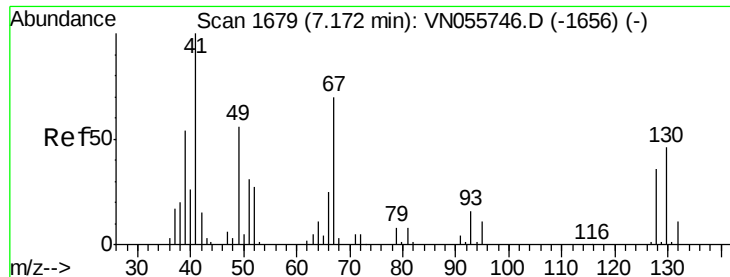
Tot Ion: 83 Resp: 105965
Ion Ratio Lower Upper
83 100
55 74.7 59.3 88.9
98 47.8 36.6 54.8



#40
Benzene
Concen: 20.467 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 78 Resp: 269073
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

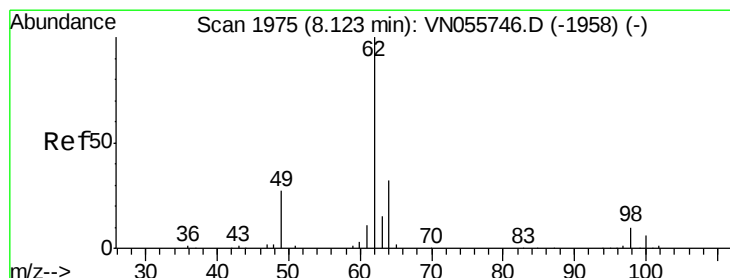
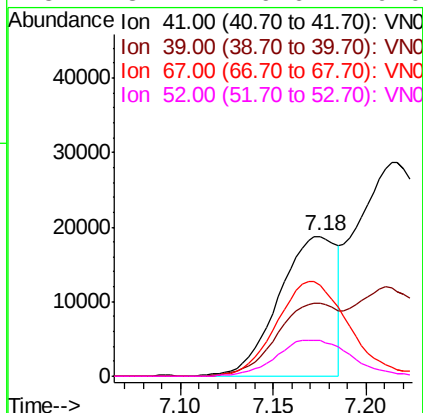
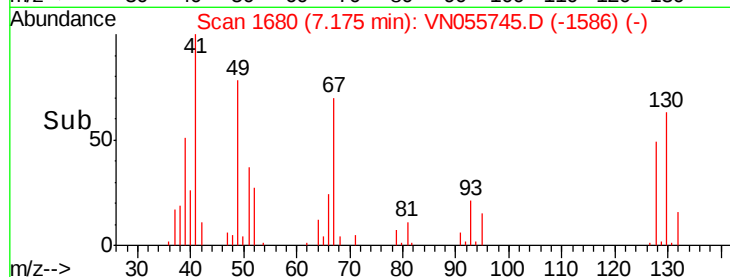
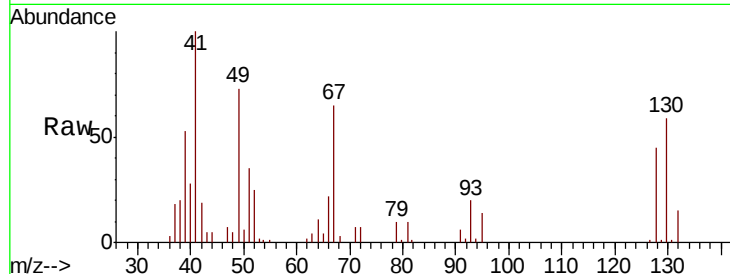




#41
Methacrylonitrile
Concen: 23.358 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

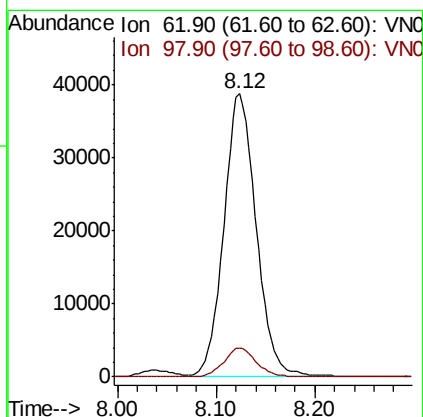
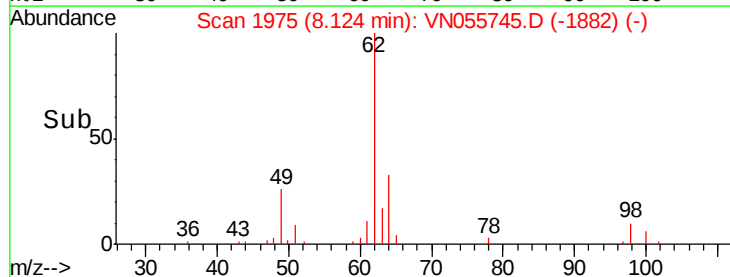
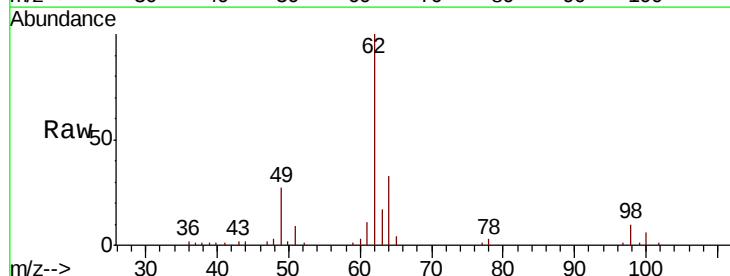
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

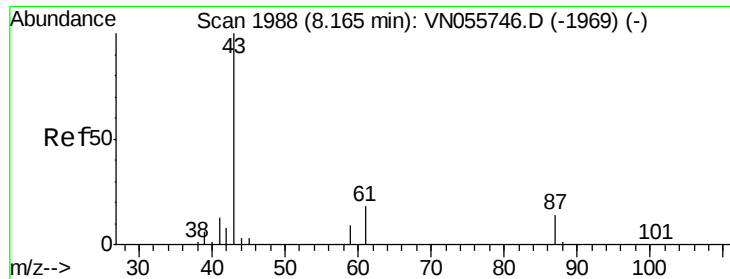
Tot Ion: 41 Resp: 40825
Ion Ratio Lower Upper
41 100
39 57.5 45.6 68.4
67 85.1 67.7 101.5
52 34.2 26.6 40.0



#42
1,2-Dichloroethane
Concen: 20.933 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 62 Resp: 88949
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2





#43

Isopropyl Acetate

Concen: 19.968 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

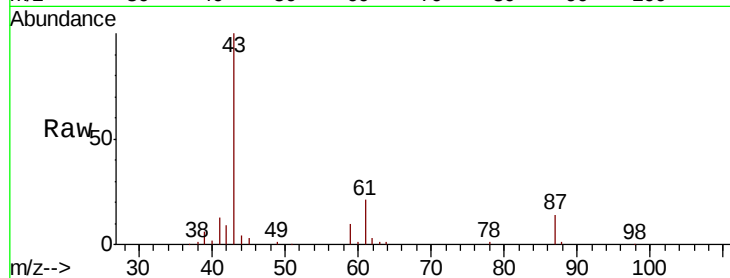
Tot Ion: 43 Resp: 140062

Ion Ratio Lower Upper

43 100

61 21.3 22.2 33.4#

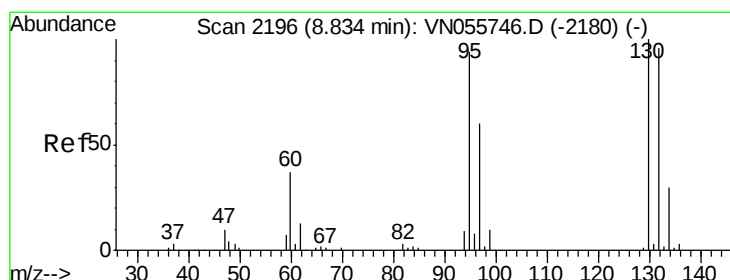
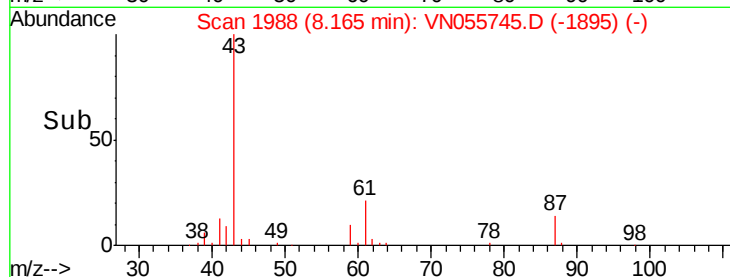
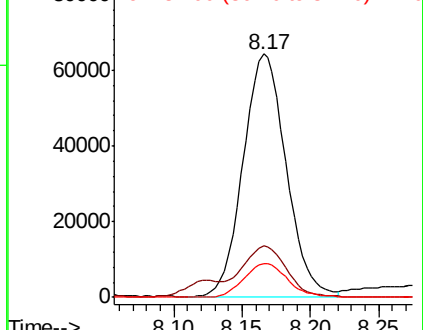
87 14.3 11.4 17.2



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: 20.022 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055745.D

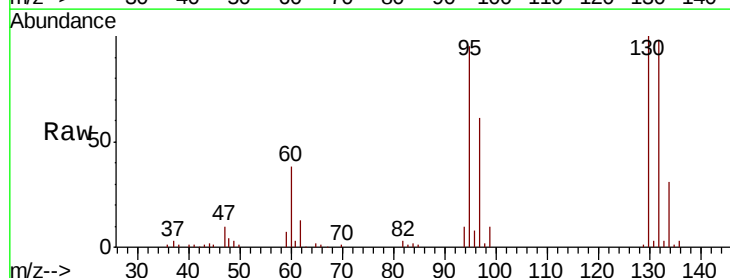
Acq: 23 May 2019 10:10

Tgt Ion: 130 Resp: 74207

Ion Ratio Lower Upper

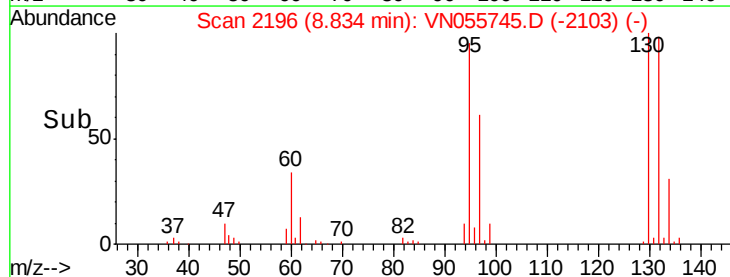
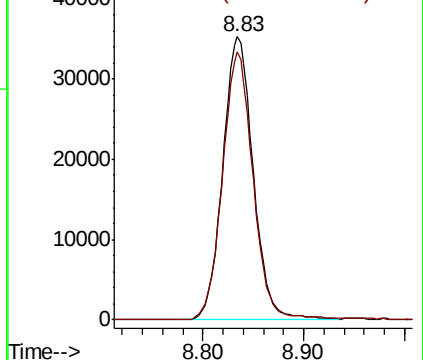
130 100

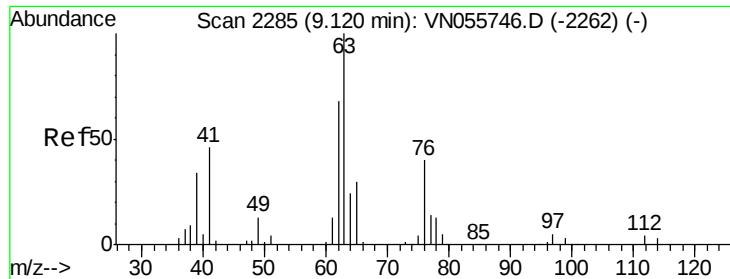
95 94.6 0.0 188.0



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: 20.170 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

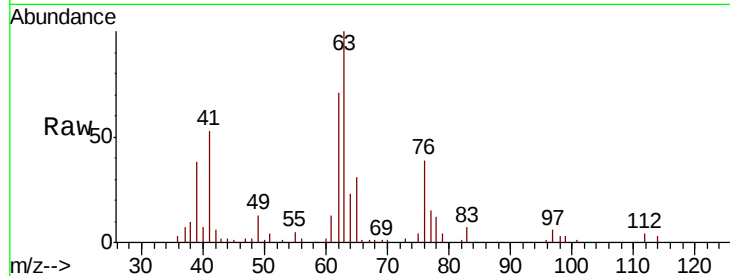
VSTDIC020

Tot Ion: 63 Resp: 69781

Ion Ratio Lower Upper

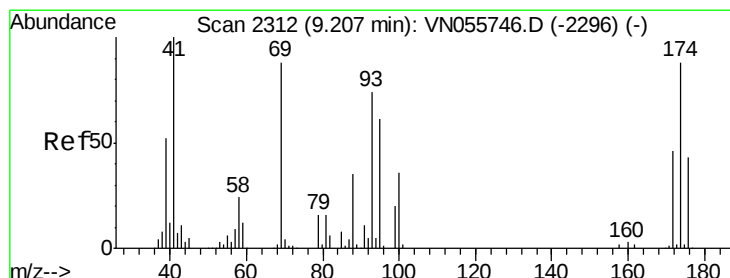
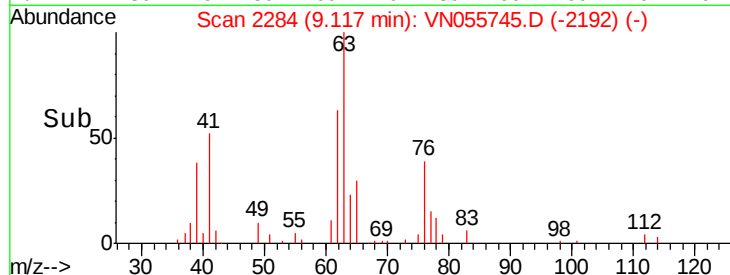
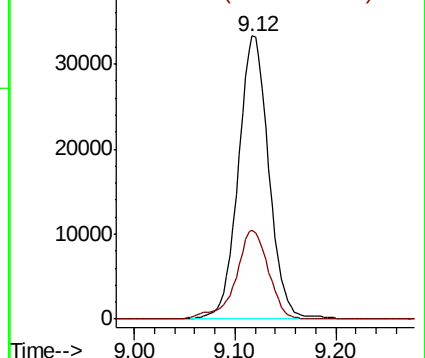
63 100

65 31.4 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: 20.472 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

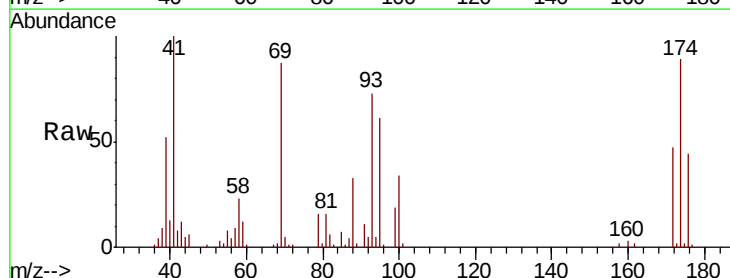
Tgt Ion: 93 Resp: 46426

Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

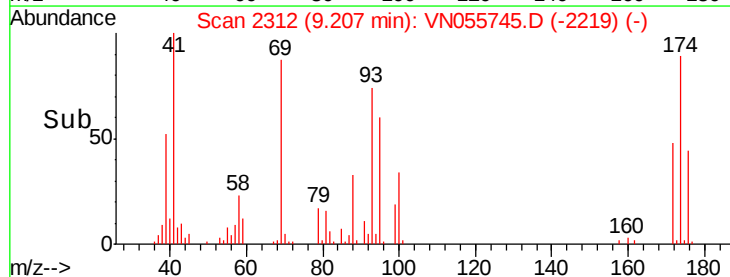
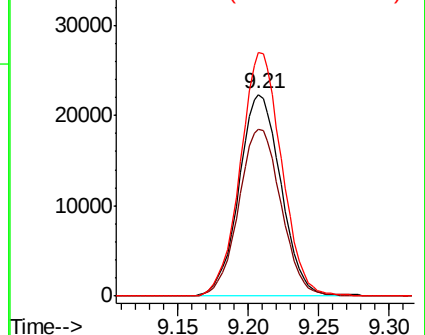
174 119.3 96.4 144.6



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: 19.605 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

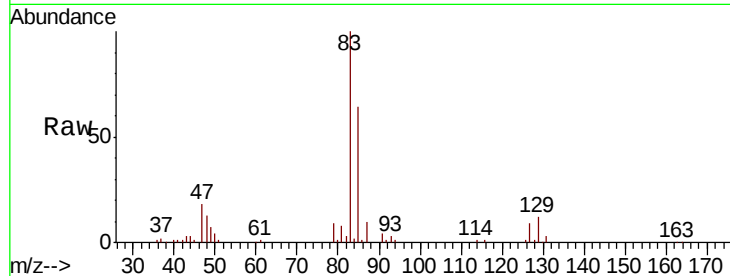
Tot Ion: 83 Resp: 92795

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.2

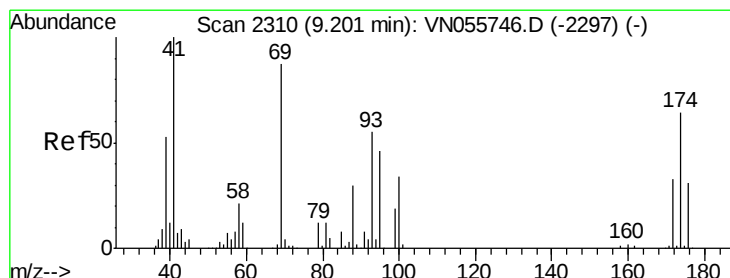
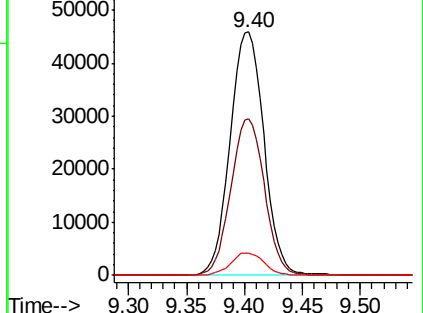
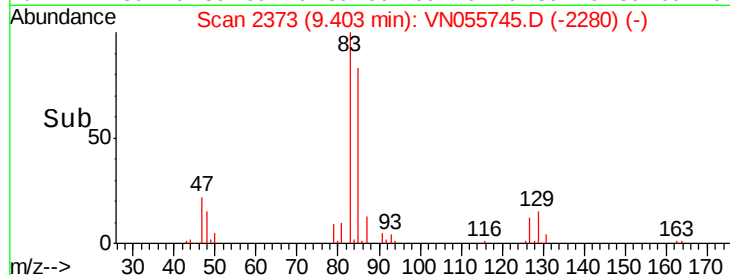
127 9.2 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055745.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055745.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055745.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.766 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

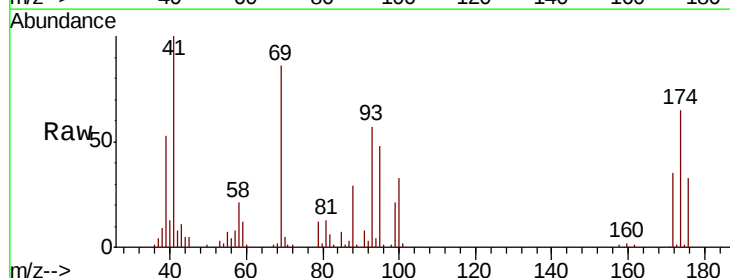
Tgt Ion: 41 Resp: 68403

Ion Ratio Lower Upper

41 100

69 85.5 71.0 106.6

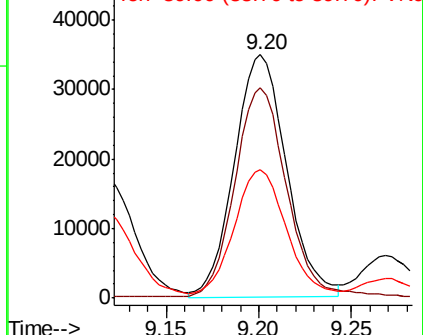
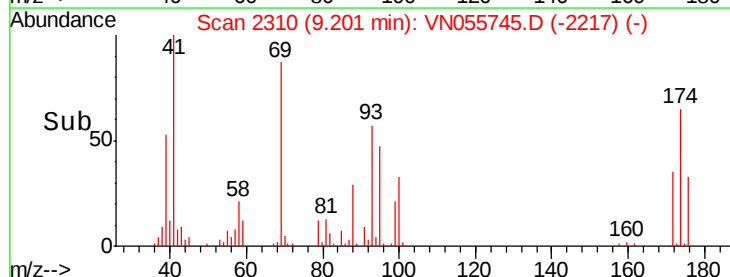
39 54.0 44.2 66.2

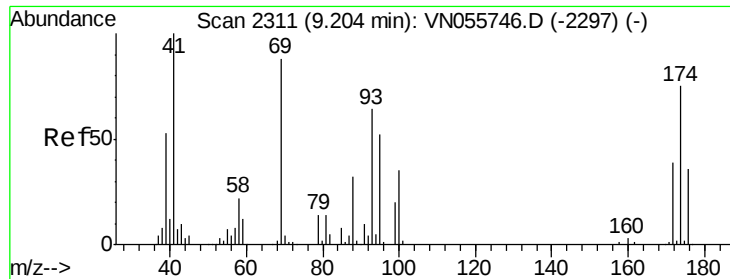


Abundance Ion 41.00 (40.70 to 41.70): VN055745.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055745.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055745.D (-2217) (-)





#49

1,4-Dioxane

Concen: 434.175 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

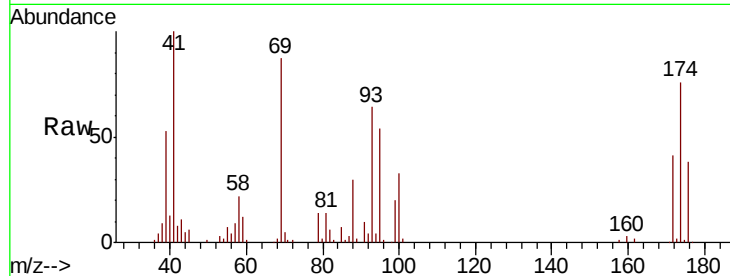
Tot Ion: 88 Resp: 27041

Ion Ratio Lower Upper

88 100

43 27.6 20.5 30.7

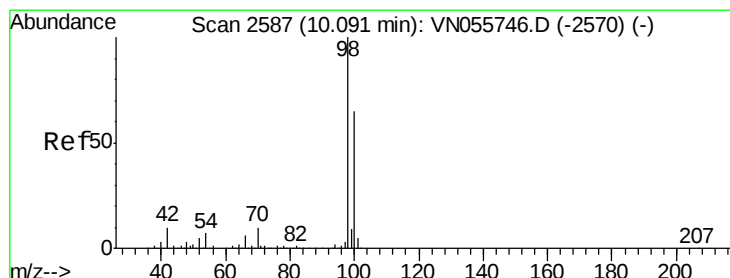
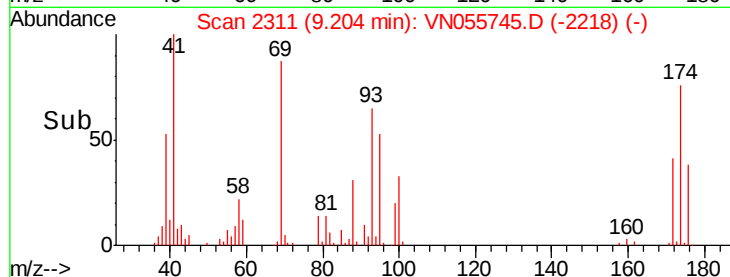
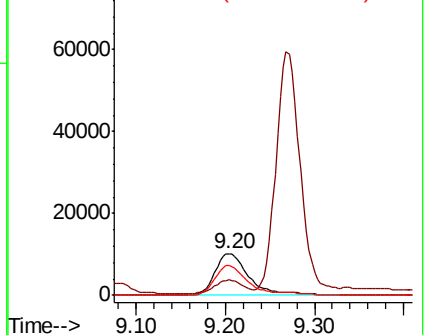
58 66.0 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055746.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055746.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2297) (-)



#50

Toluene-d8

Concen: 21.873 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055745.D

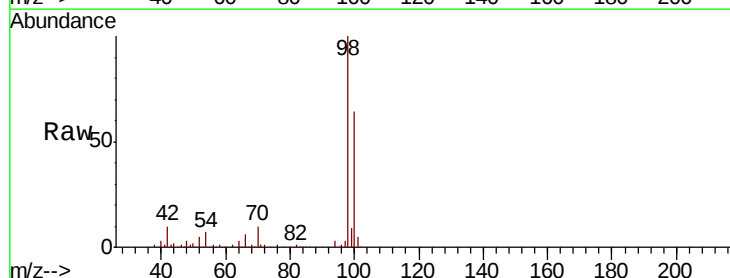
Acq: 23 May 2019 10:10

Tgt Ion: 98 Resp: 263378

Ion Ratio Lower Upper

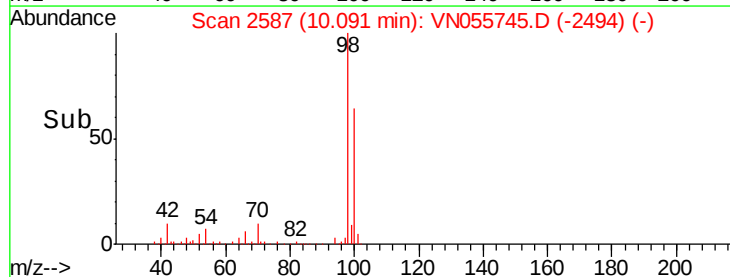
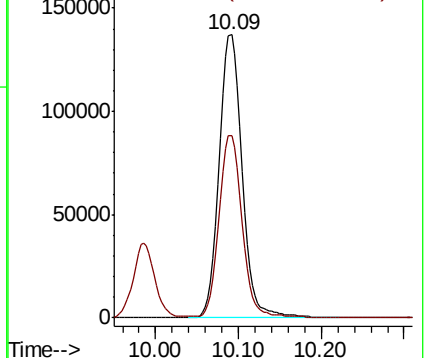
98 100

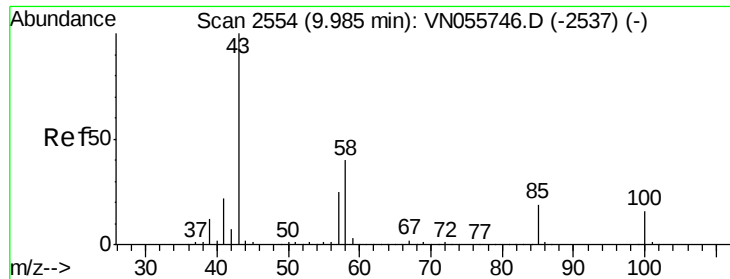
100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055746.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.301 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

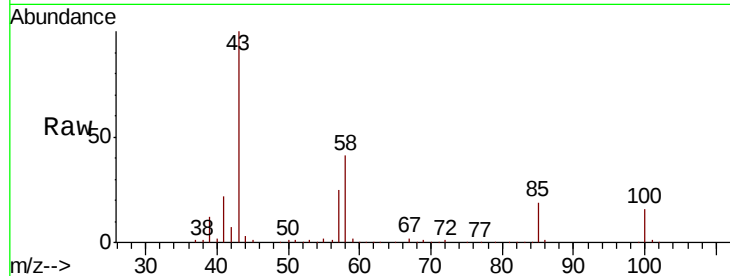
VSTDIC020

Tot Ion: 43 Resp: 424017

Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2537) (-)

9.99

250000

200000

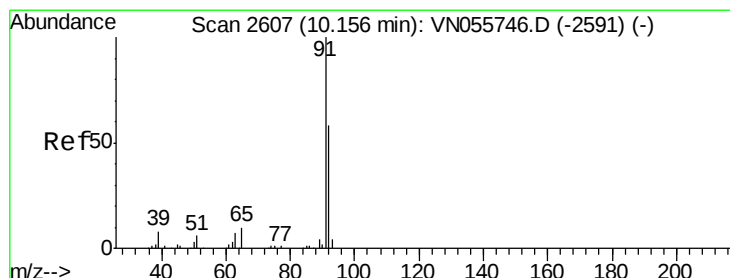
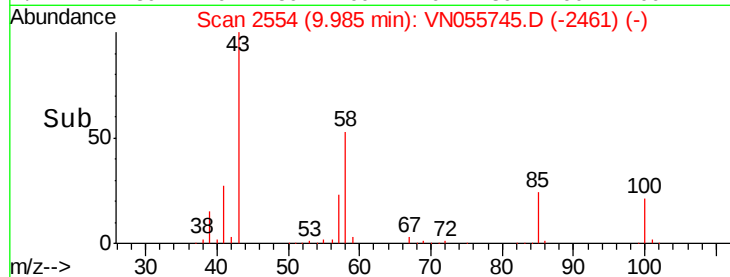
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.410 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055745.D

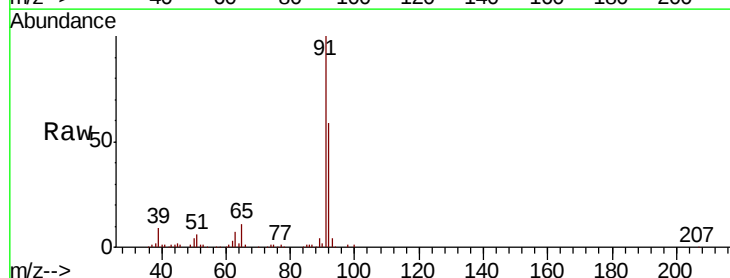
Acq: 23 May 2019 10:10

Tgt Ion: 92 Resp: 168714

Ion Ratio Lower Upper

92 100

91 172.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055746.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055746.D (-2591) (-)

10.16

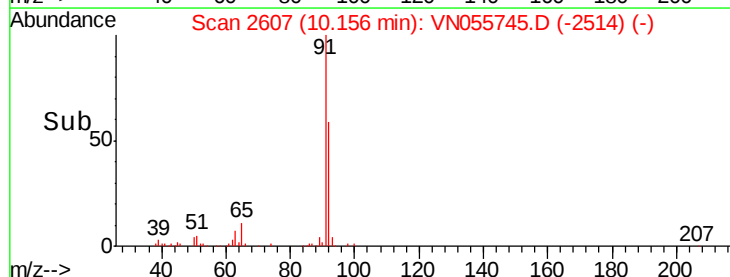
150000

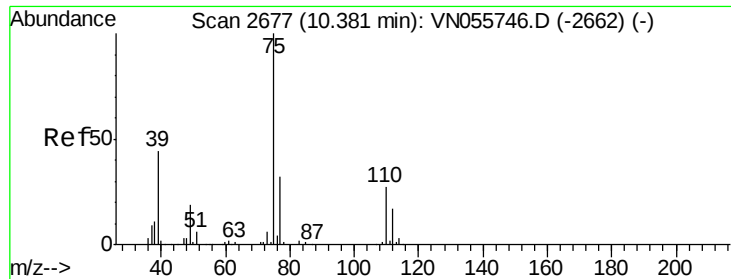
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.460 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

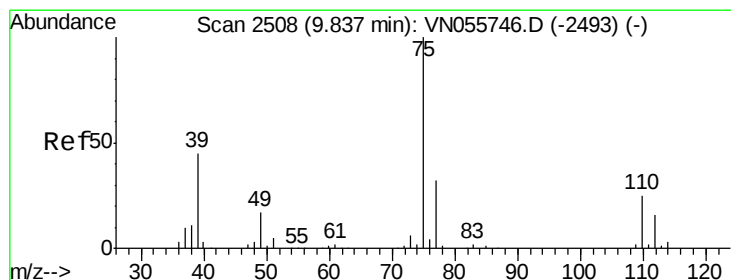
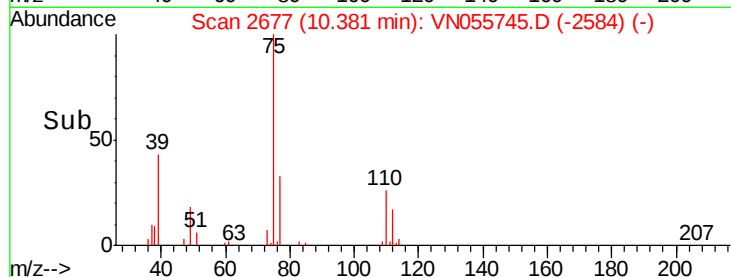
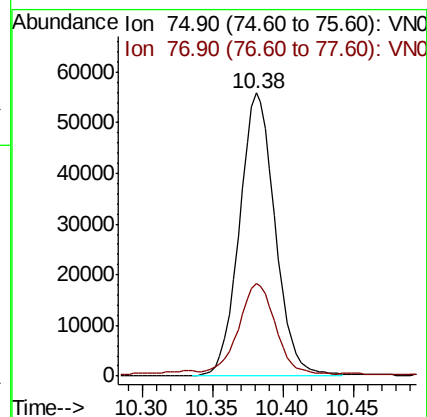
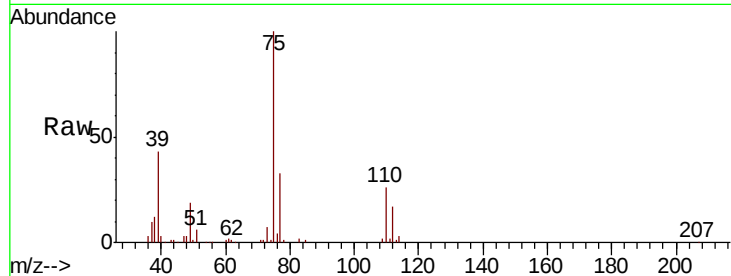
VSTDIC020

Tot Ion: 75 Resp: 98947

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.834 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

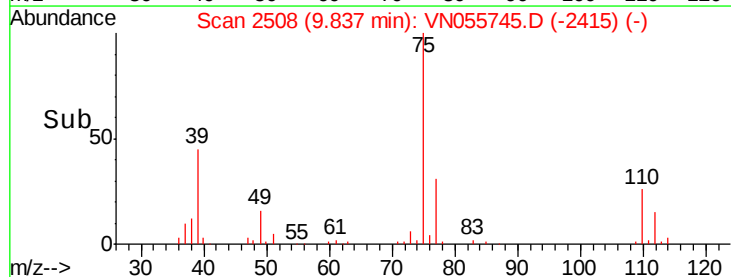
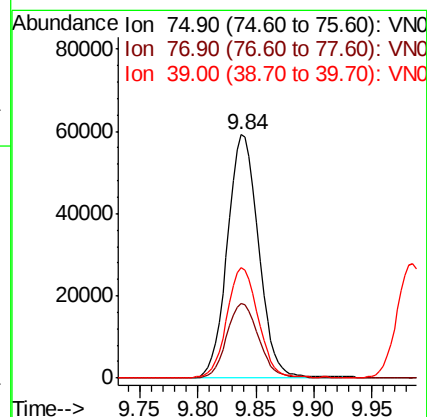
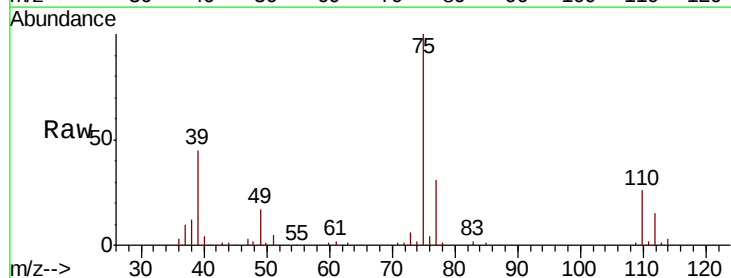
Tgt Ion: 75 Resp: 110527

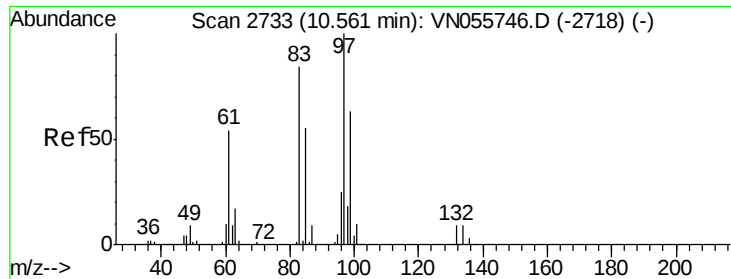
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 44.9 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.040 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 97 Resp: 68122

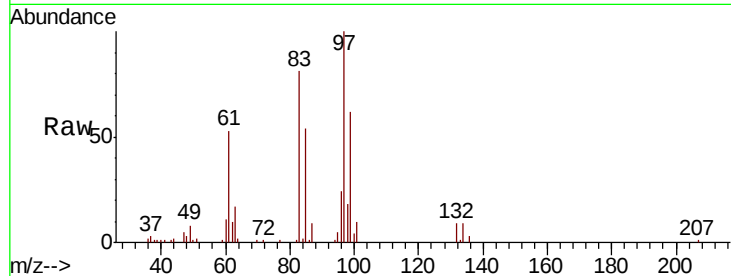
Ion Ratio Lower Upper

97 100

83 81.2 67.0 100.6

85 53.9 44.0 66.0

99 61.7 50.6 75.8



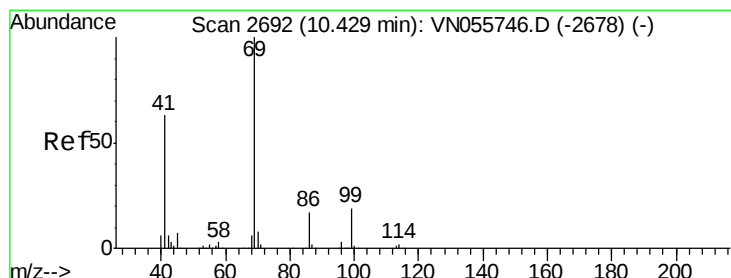
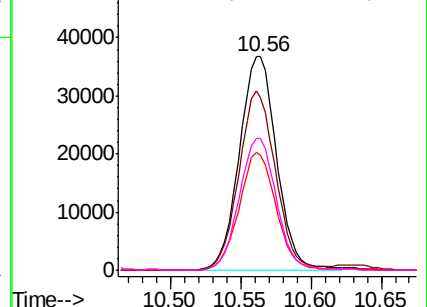
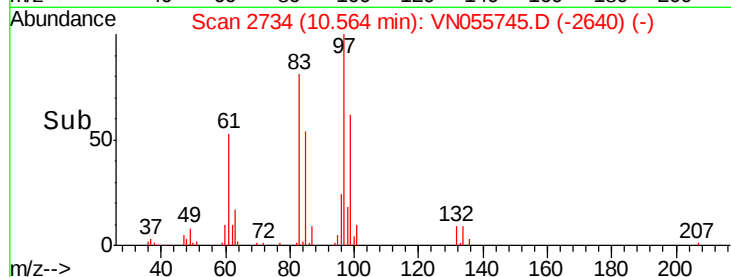
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.325 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

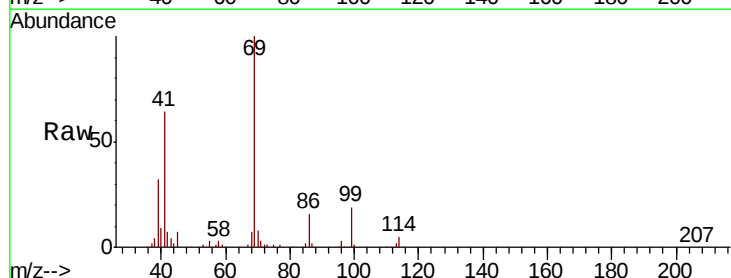
Tgt Ion: 69 Resp: 102595

Ion Ratio Lower Upper

69 100

41 64.1 49.7 74.5

39 32.0 24.7 37.1

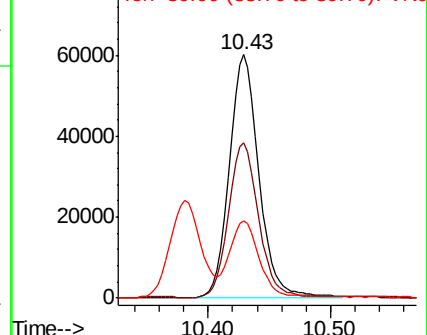
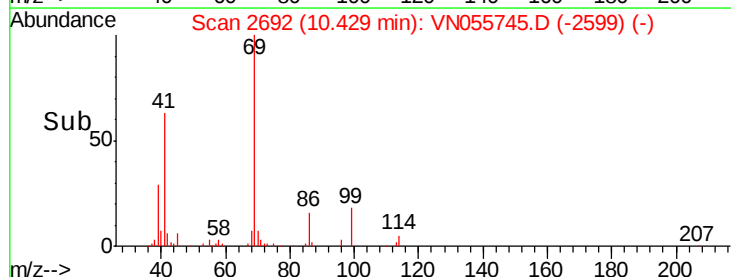


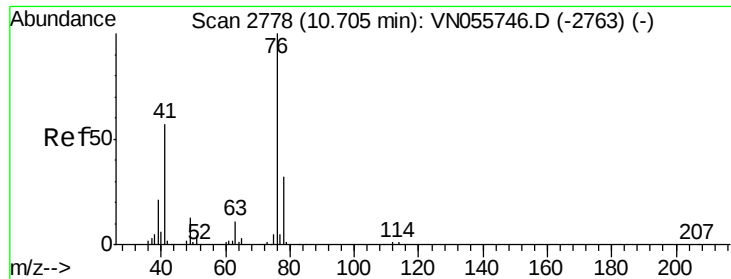
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.439 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

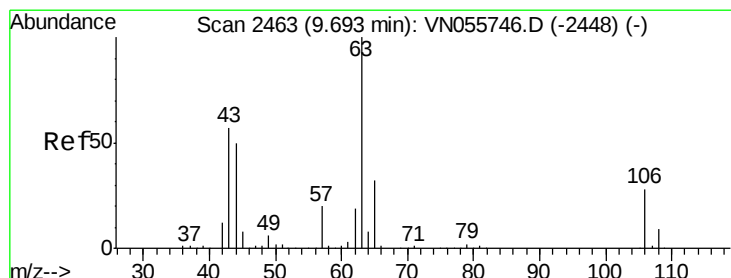
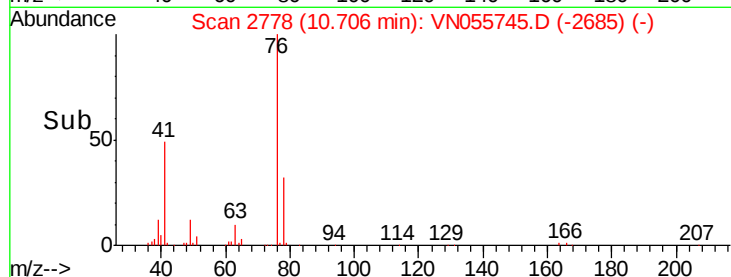
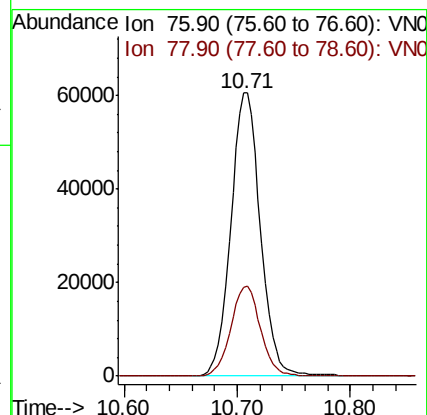
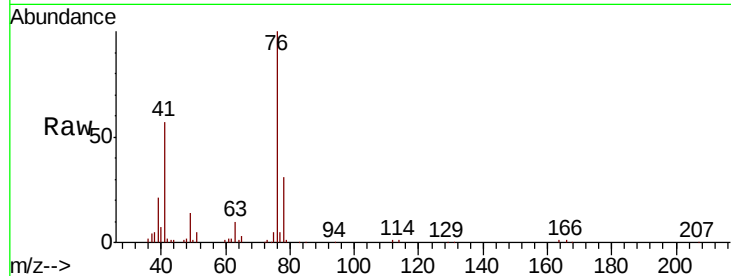
VSTDIC020

Tot Ion: 76 Resp: 109853

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 86.137 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055745.D

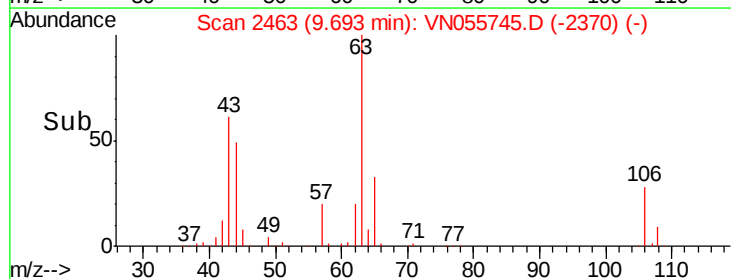
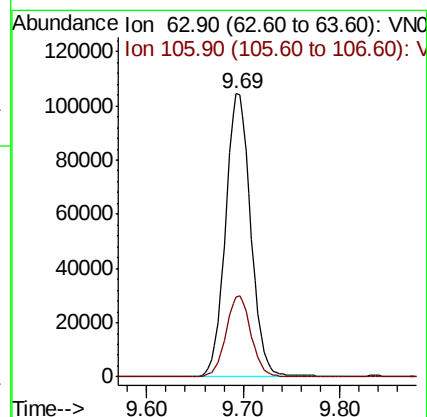
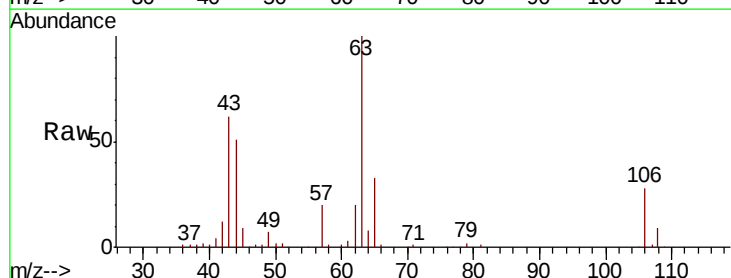
Acq: 23 May 2019 10:10

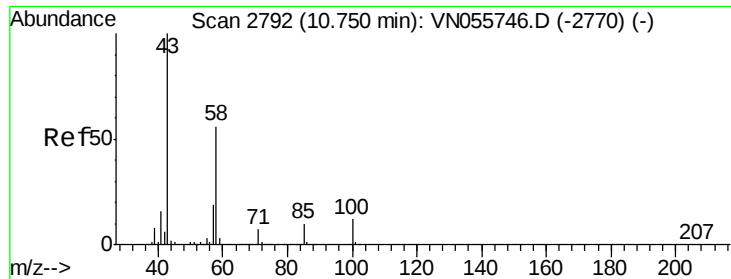
Tgt Ion: 63 Resp: 189888

Ion Ratio Lower Upper

63 100

106 28.2 22.7 34.1

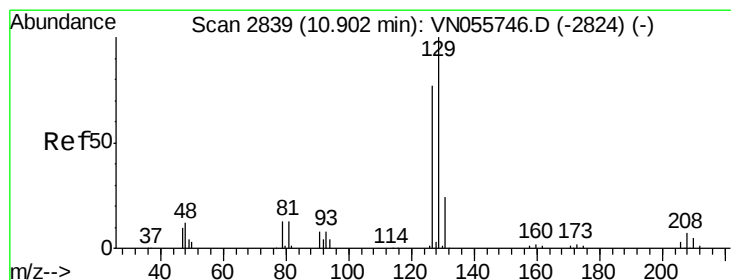
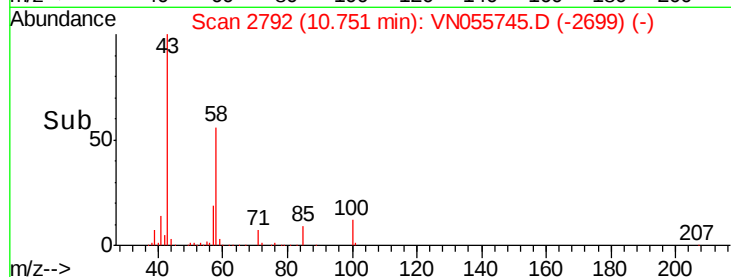
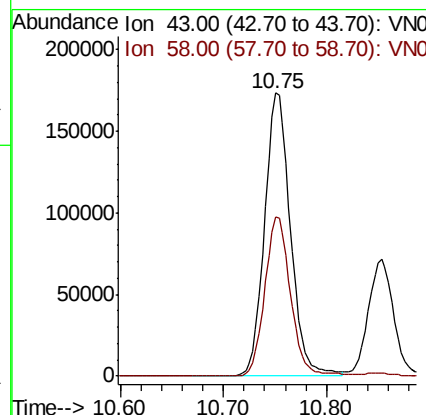
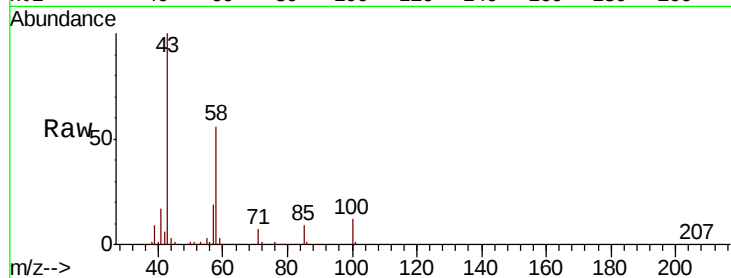




#59
2-Hexanone
Concen: 102.987 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

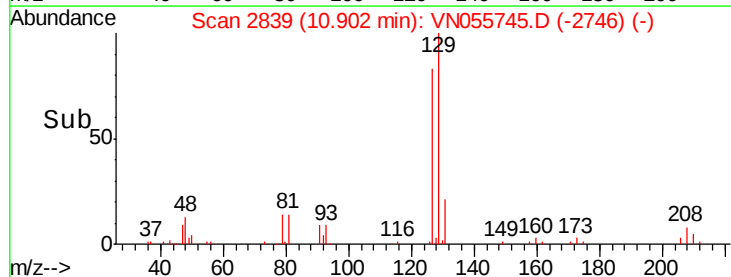
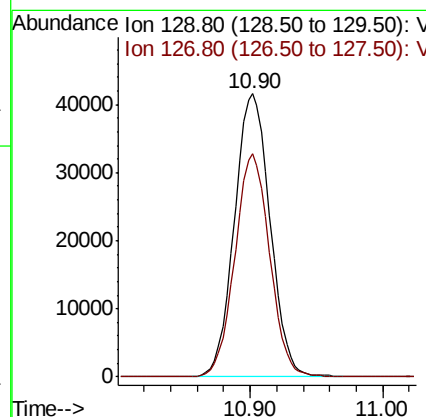
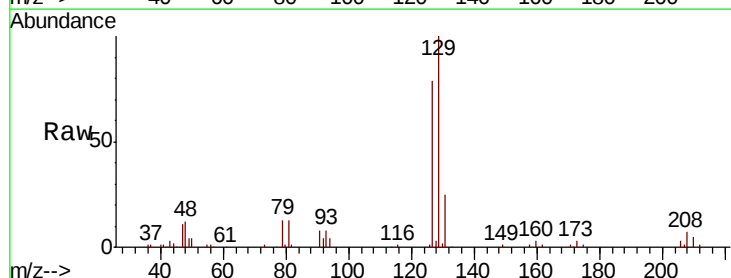
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

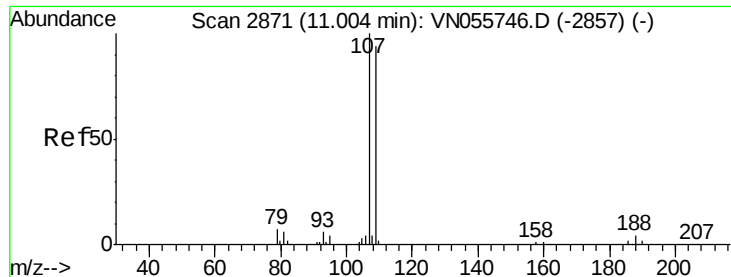
Tot Ion: 43 Resp: 299988
Ion Ratio Lower Upper
43 100
58 56.2 28.2 84.7



#60
Dibromochloromethane
Concen: 20.156 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 129 Resp: 77667
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.170 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

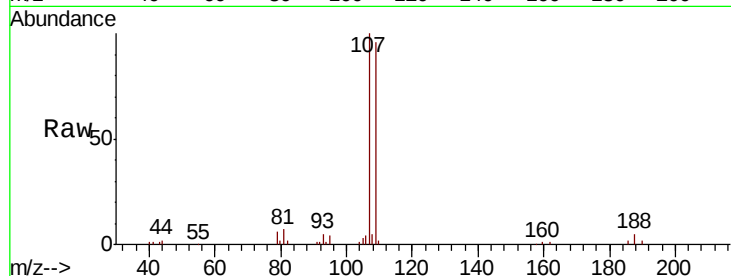
VSTDIC020

Tot Ion:107 Resp: 68659

Ion Ratio Lower Upper

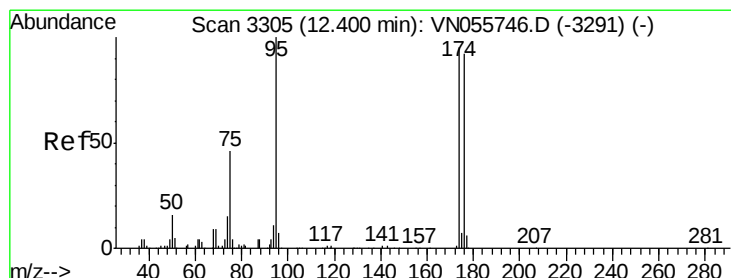
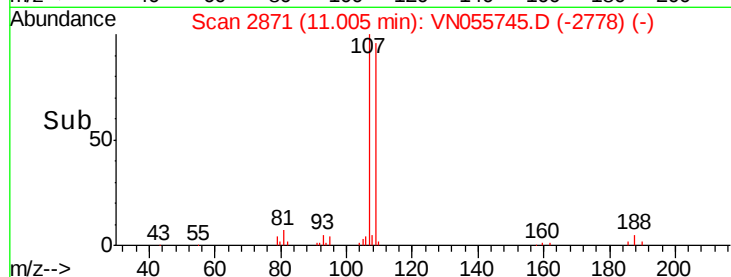
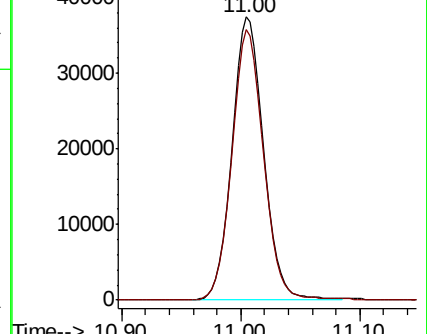
107 100

109 95.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.963 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

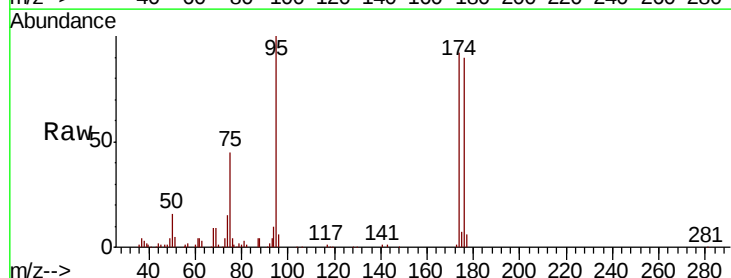
Tgt Ion: 95 Resp: 87285

Ion Ratio Lower Upper

95 100

174 94.0 0.0 191.0

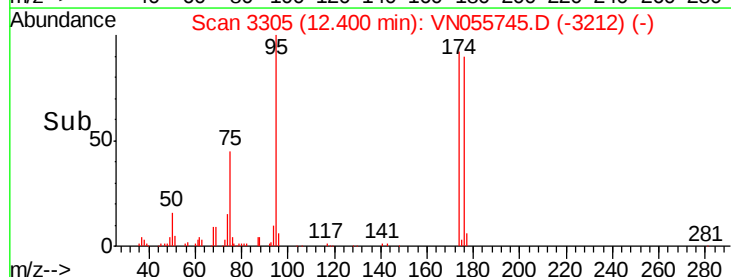
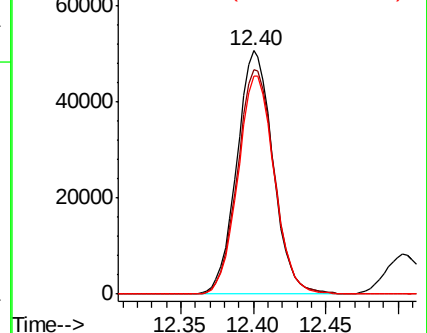
176 90.4 0.0 185.2

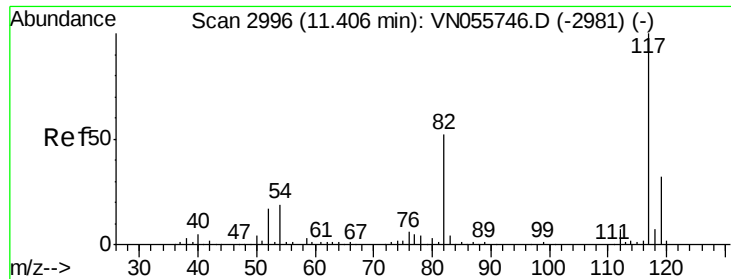


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

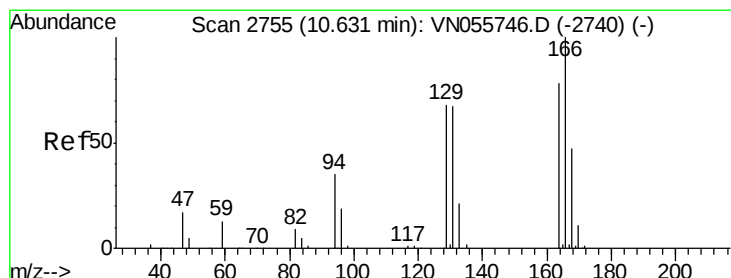
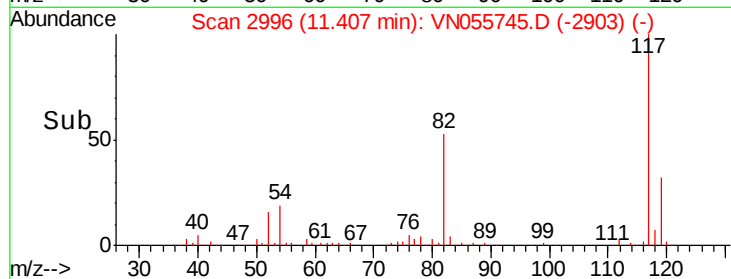
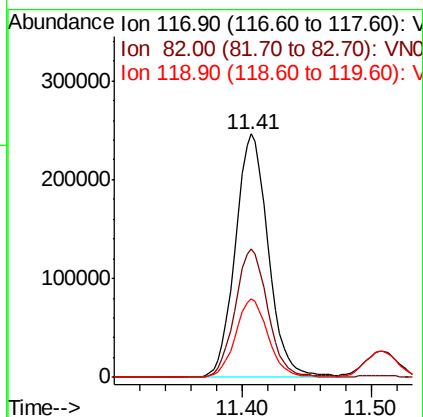
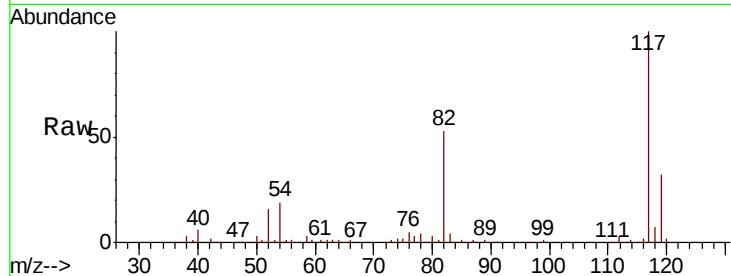




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

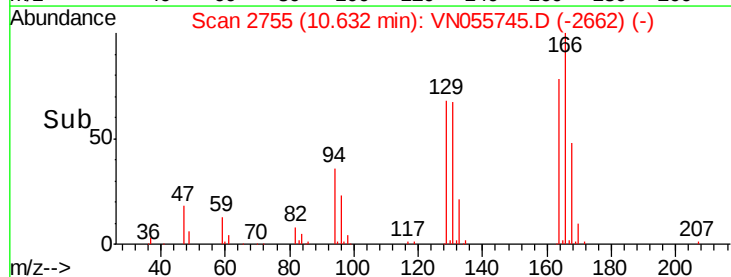
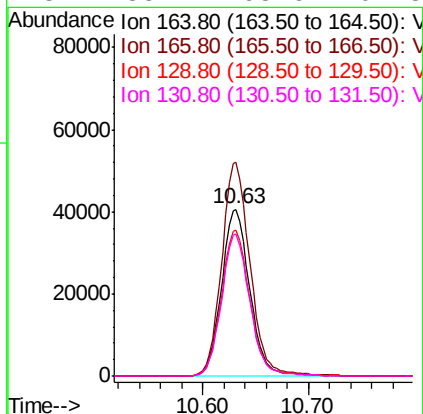
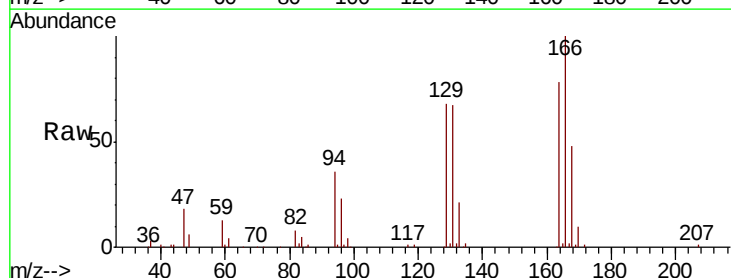
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

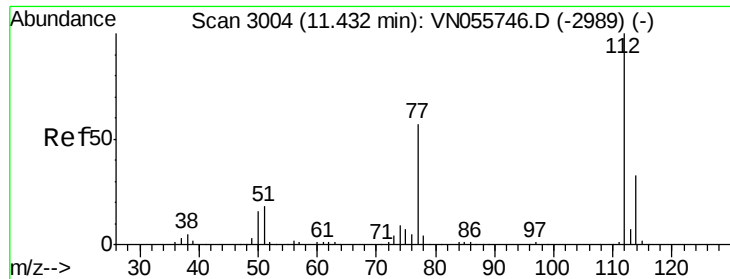
Tot Ion:117 Resp: 437348
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.8
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 21.702 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion:164 Resp: 75441
Ion Ratio Lower Upper
164 100
166 128.3 103.0 154.6
129 87.8 70.6 105.8
131 85.4 68.6 102.8

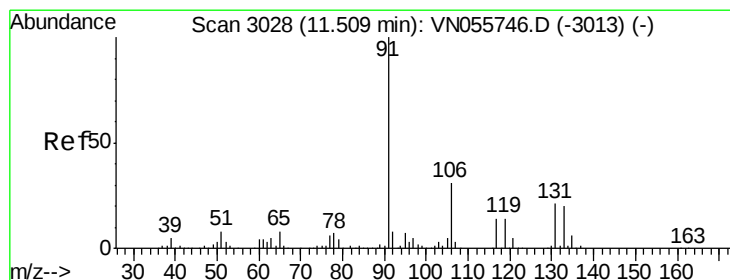
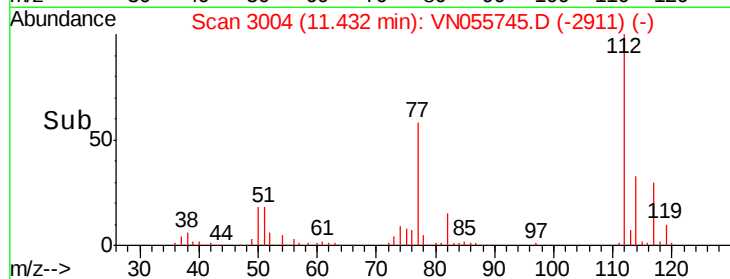
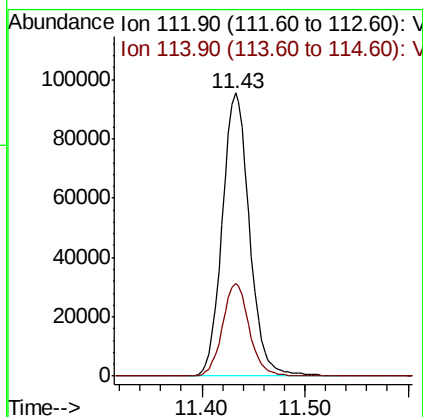
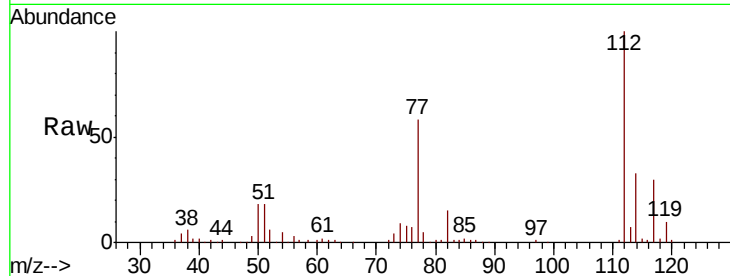




#65
Chlorobenzene
Concen: 19.891 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

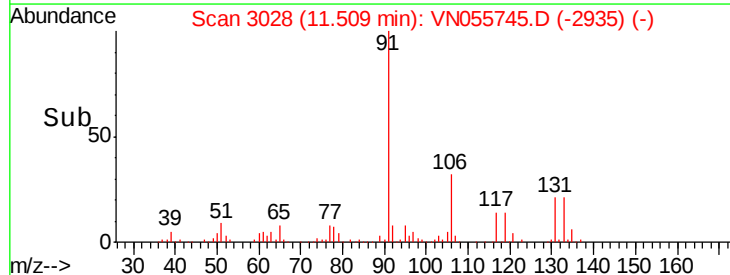
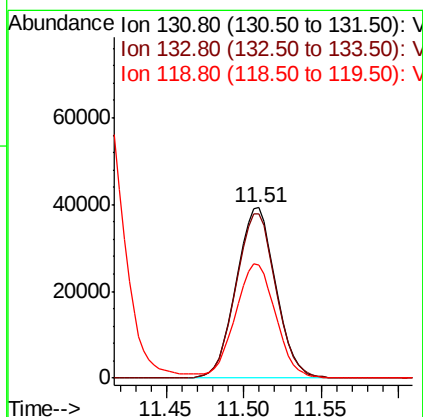
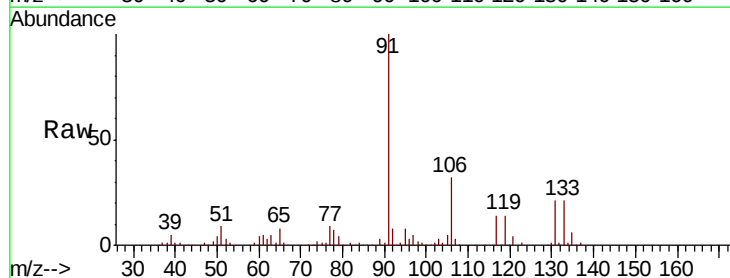
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

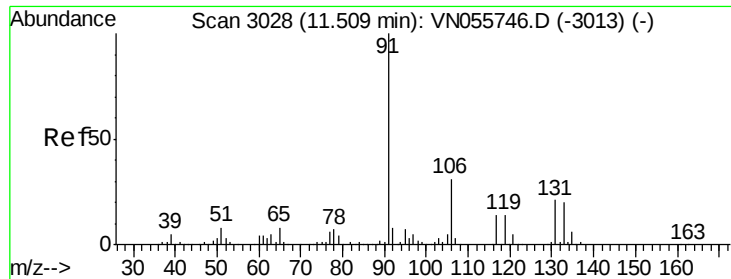
Tot Ion:112 Resp: 175654
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.671 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion:131 Resp: 69804
Ion Ratio Lower Upper
131 100
133 97.7 48.0 144.0
119 68.9 33.1 99.5

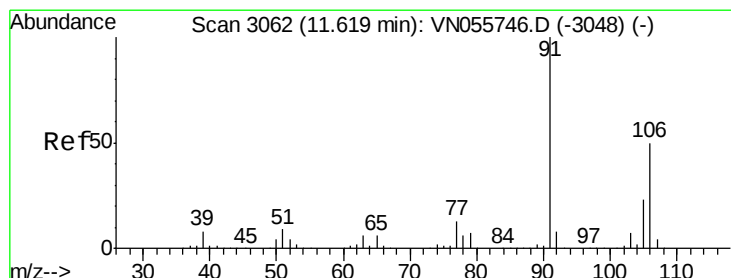
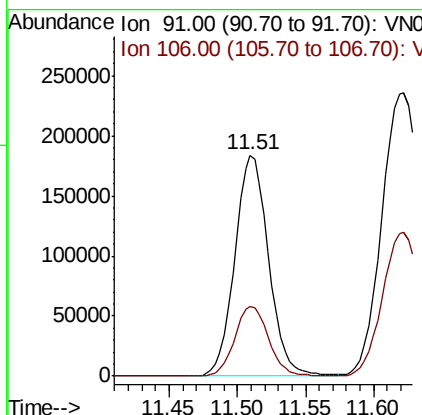
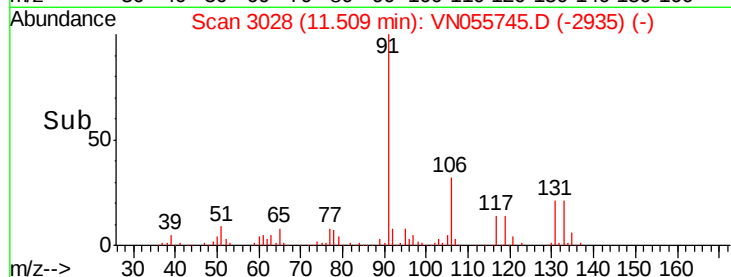
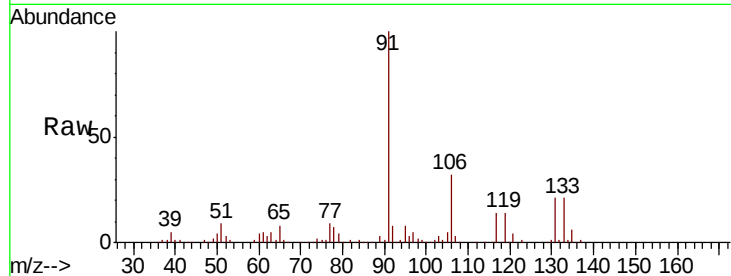




#67
Ethyl Benzene
Concen: 20.058 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

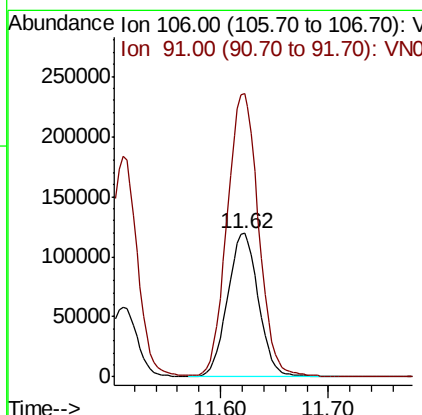
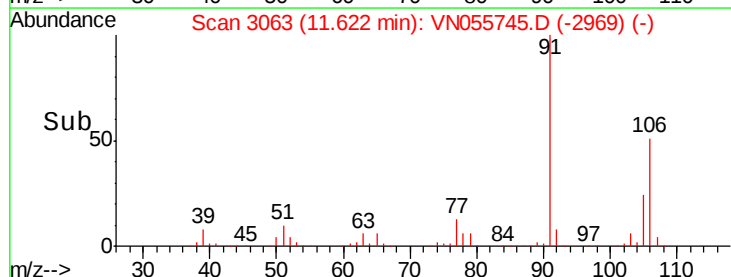
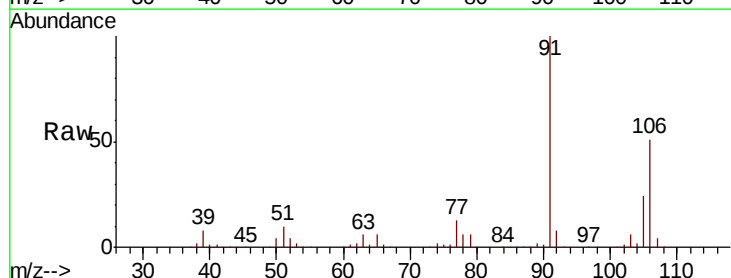
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

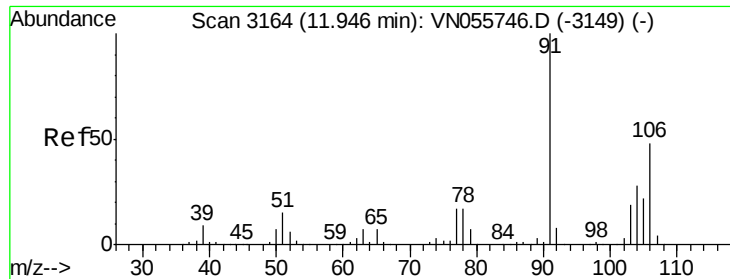
Tot Ion: 91 Resp: 316323
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 40.249 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 106 Resp: 239739
Ion Ratio Lower Upper
106 100
91 200.4 159.3 238.9

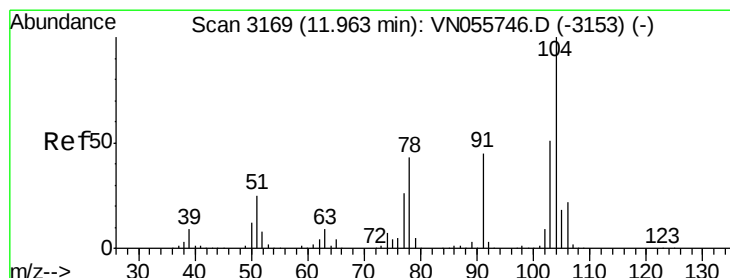
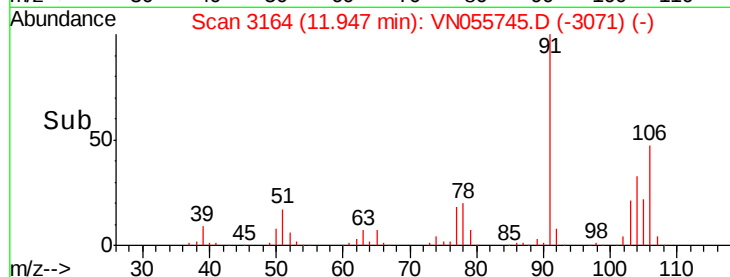
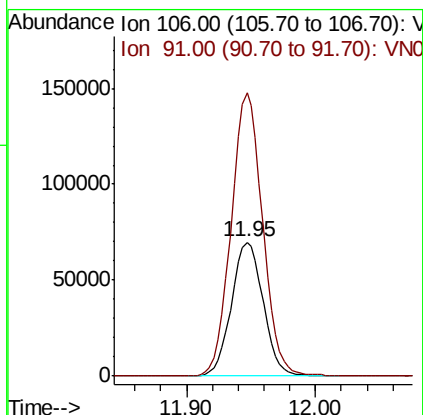
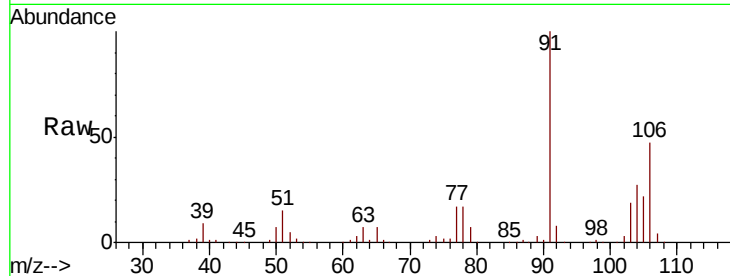




#69
o-Xylene
Concen: 20.532 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

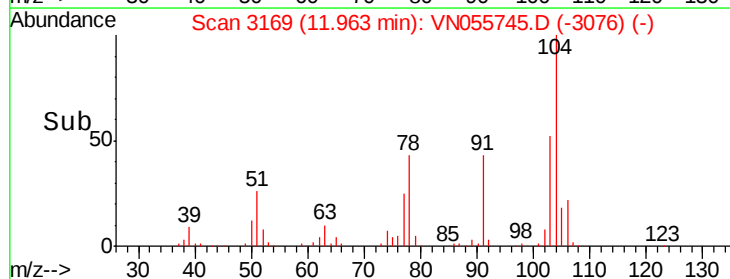
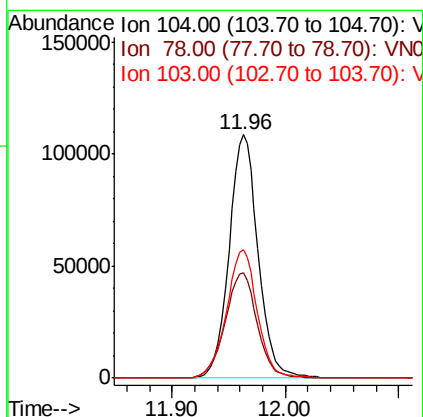
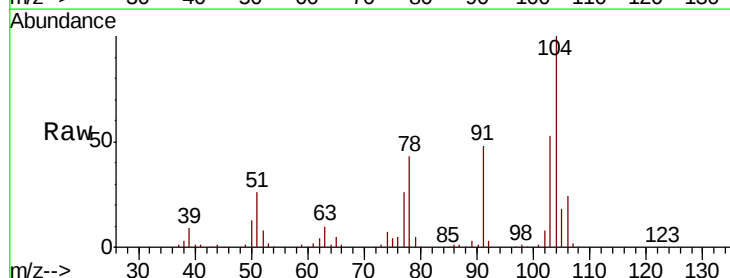
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

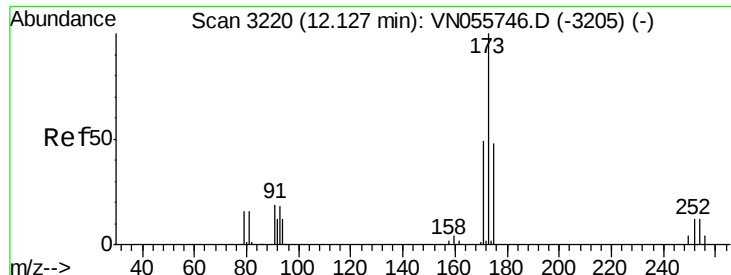
Tot Ion:106 Resp: 119986
Ion Ratio Lower Upper
106 100
91 208.1 104.7 314.1



#70
Styrene
Concen: 19.879 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion:104 Resp: 192629
Ion Ratio Lower Upper
104 100
78 47.8 37.8 56.6
103 55.9 44.2 66.2

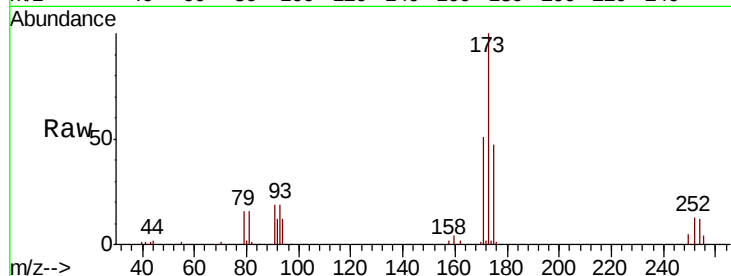




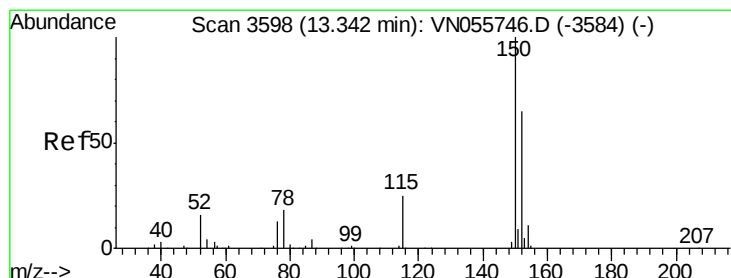
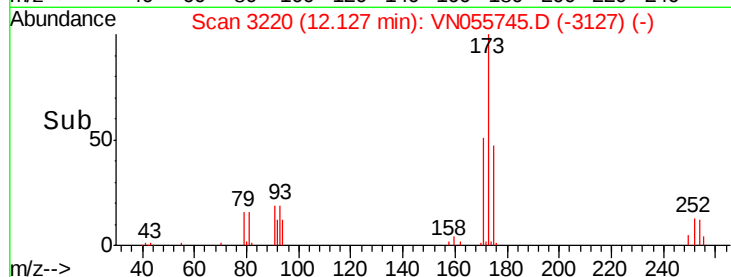
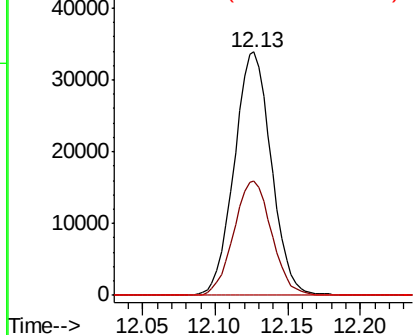
#71
Bromoform
Concen: 19.926 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 60073
Ion Ratio Lower Upper
173 100
175 47.7 24.3 72.8
254 0.0 0.0 0.0

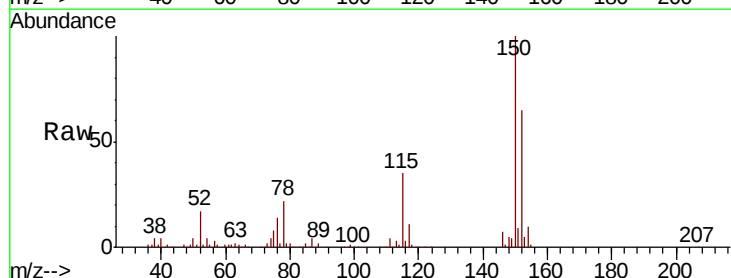


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

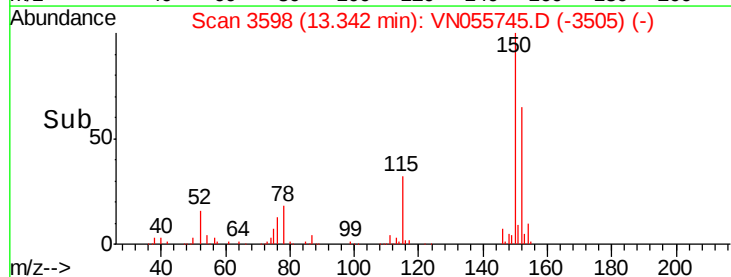
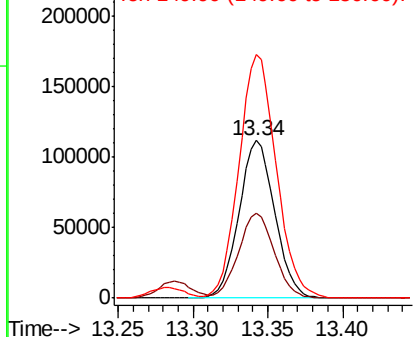


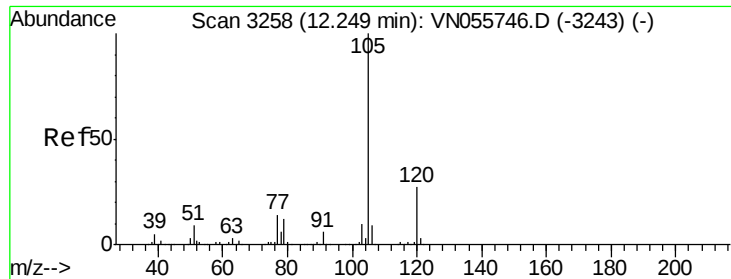
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion:152 Resp: 185405
Ion Ratio Lower Upper
152 100
115 54.0 27.0 81.0
150 162.1 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: 20.726 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

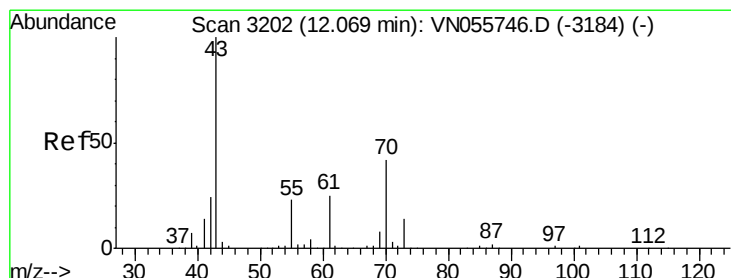
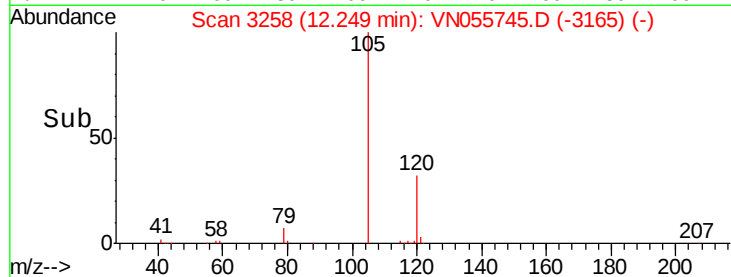
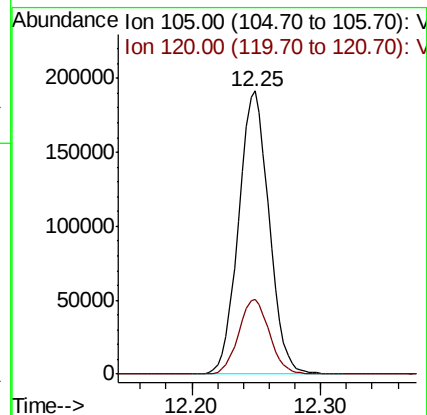
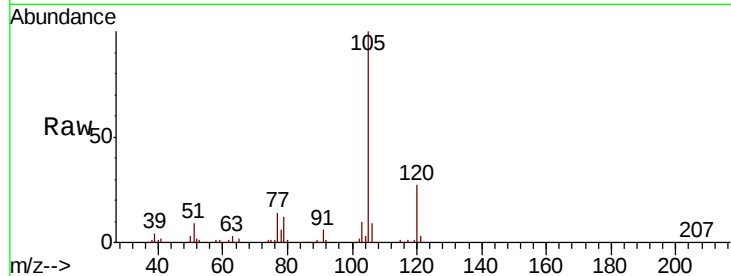
VSTDIC020

Tot Ion:105 Resp: 313989

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7



#74

N-ethyl acetate

Concen: 21.436 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Tgt Ion: 43 Resp: 111782

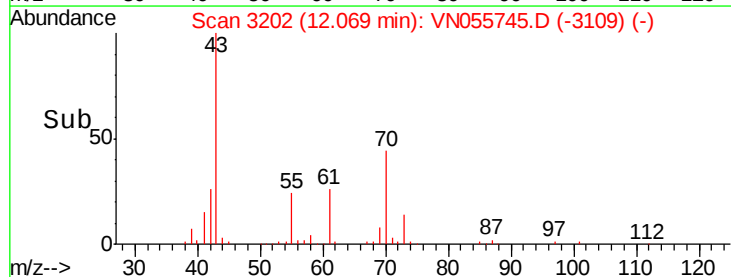
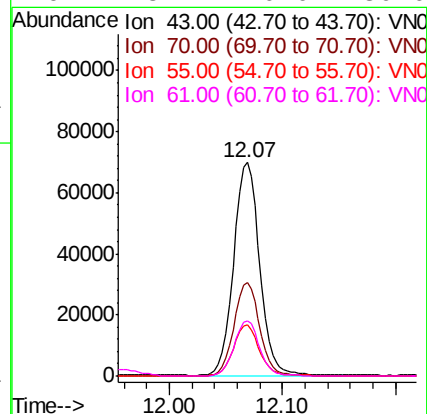
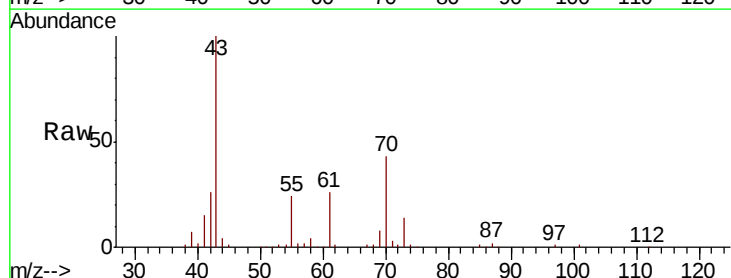
Ion Ratio Lower Upper

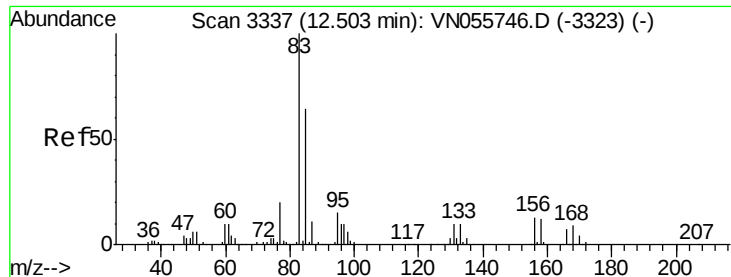
43 100

70 43.1 34.0 51.0

55 24.2 18.6 28.0

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.027 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

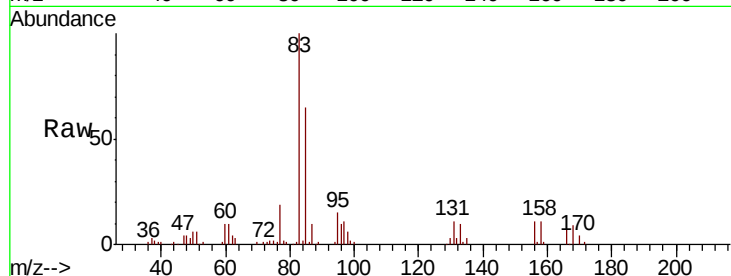
Tot Ion: 83 Resp: 93419

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.7	32.4	97.0

83 100

131 10.8 5.4 16.2

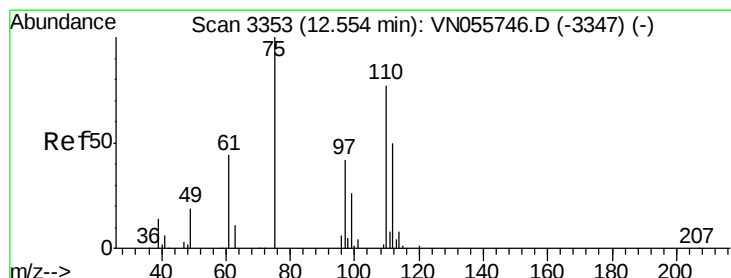
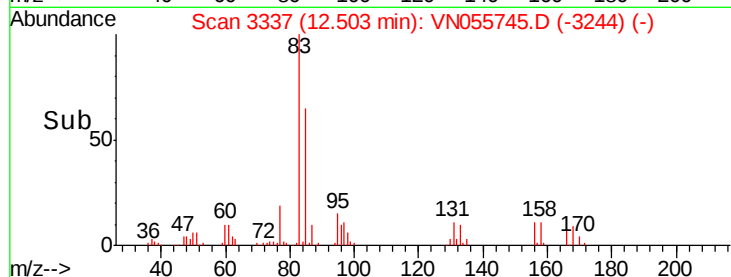
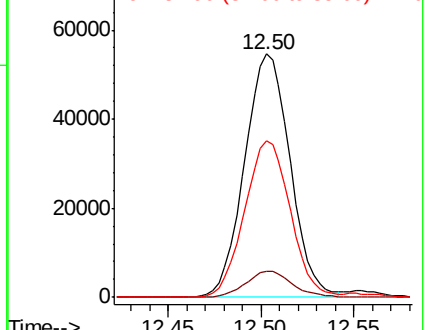
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.148 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055745.D

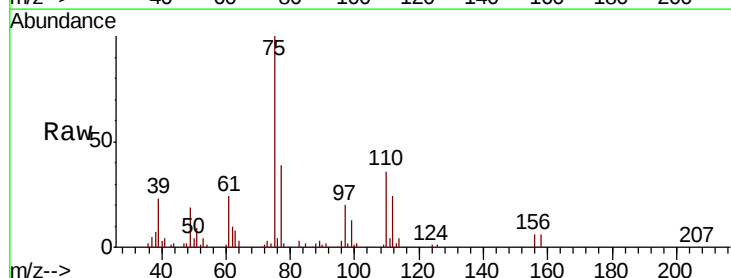
Acq: 23 May 2019 10:10

Tgt Ion: 75 Resp: 115200

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

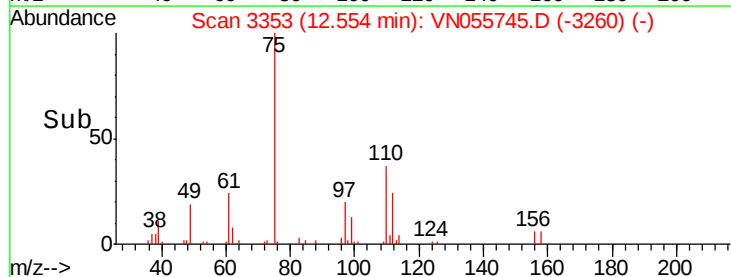
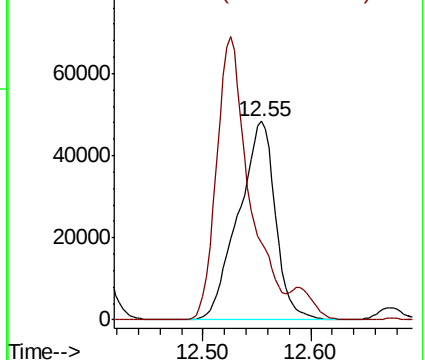
75 100

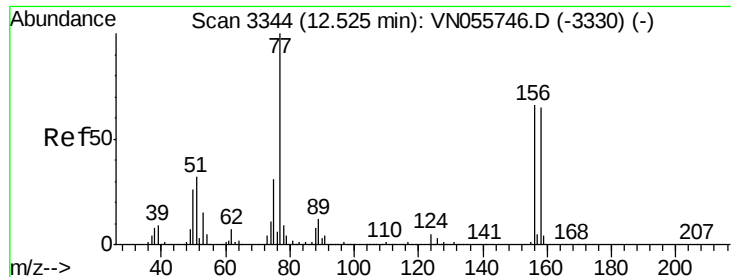
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.035 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

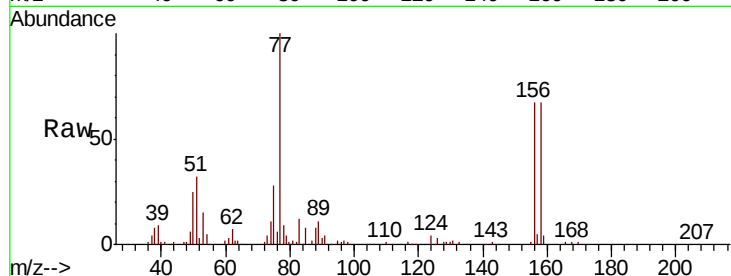
Tot Ion:156 Resp: 80632

Ion Ratio Lower Upper

156 100

77 180.9 90.8 272.5

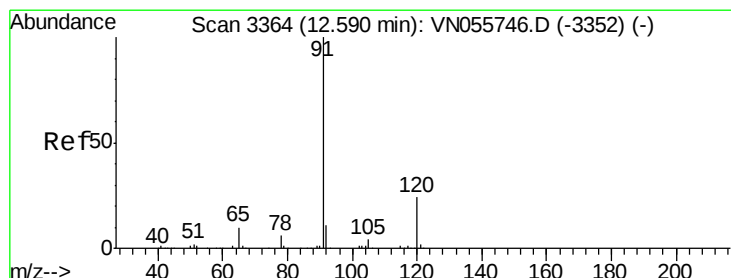
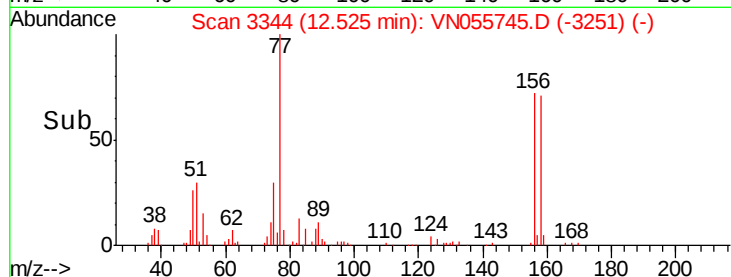
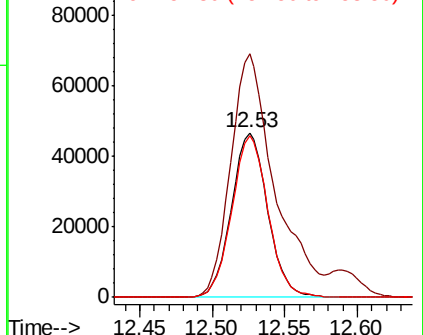
158 98.0 49.3 147.8



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: 19.700 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055745.D

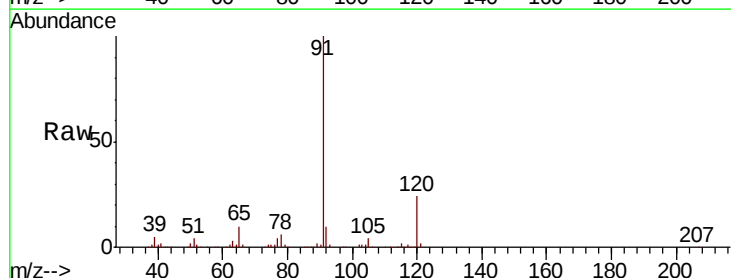
Acq: 23 May 2019 10:10

Tgt Ion: 91 Resp: 323464

Ion Ratio Lower Upper

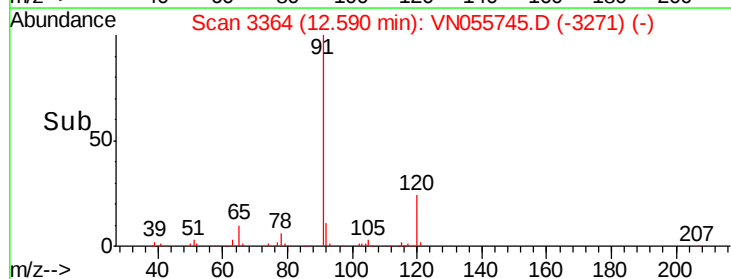
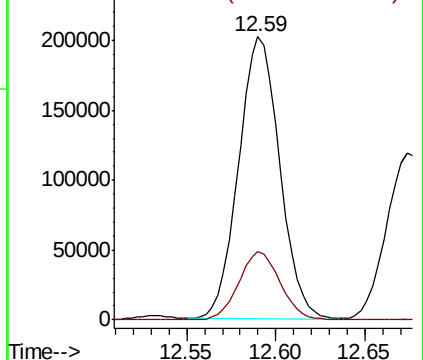
91 100

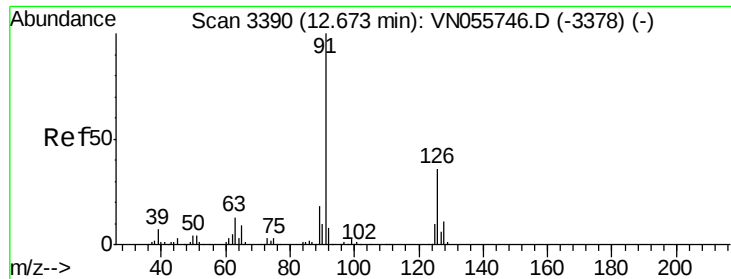
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

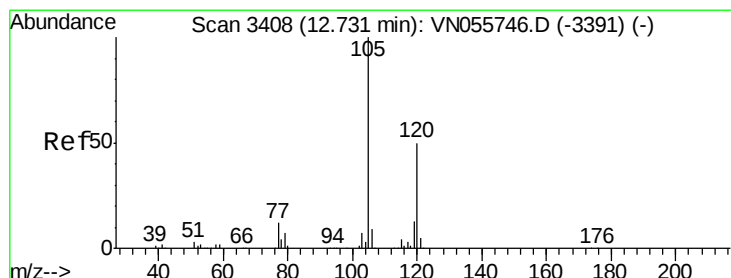
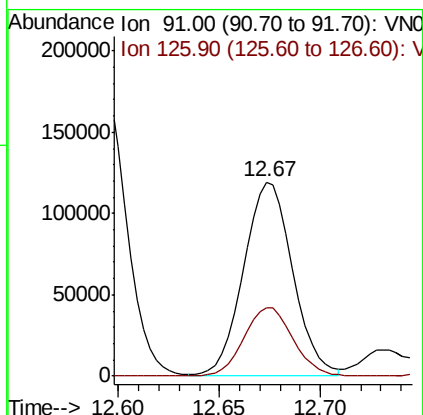
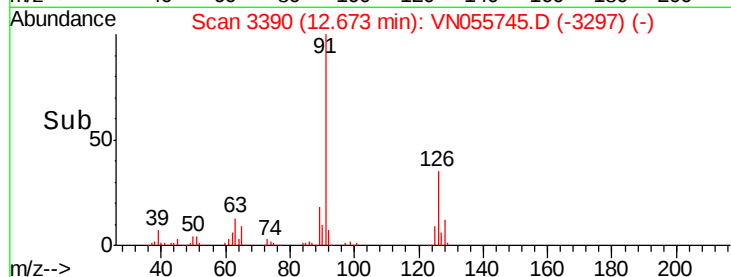
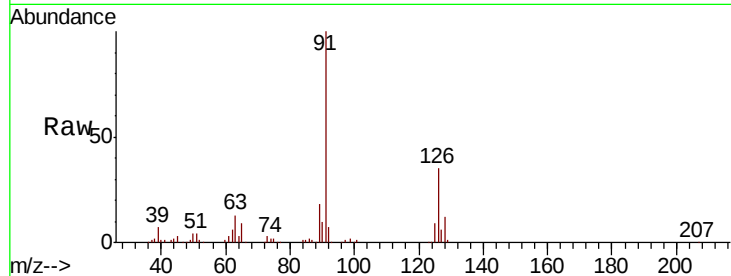




#79
 2-Chlorotoluene
 Concen: 20.134 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

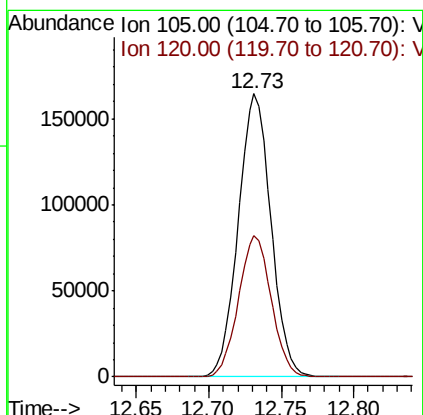
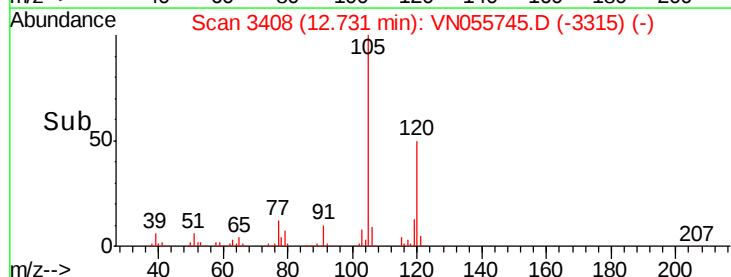
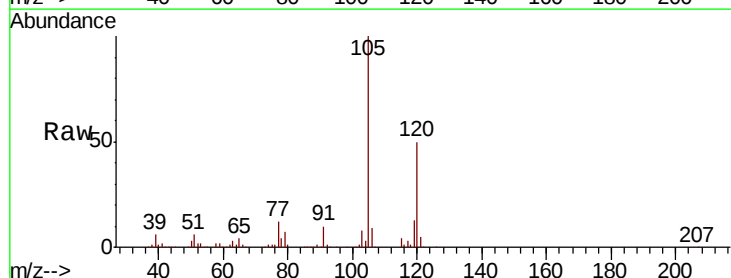
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

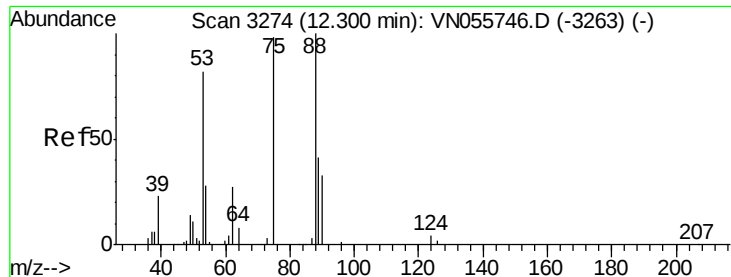
Tot Ion: 91 Resp: 201393
 Ion Ratio Lower Upper
 91 100
 126 35.8 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 20.238 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion: 105 Resp: 257501
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.7 74.1

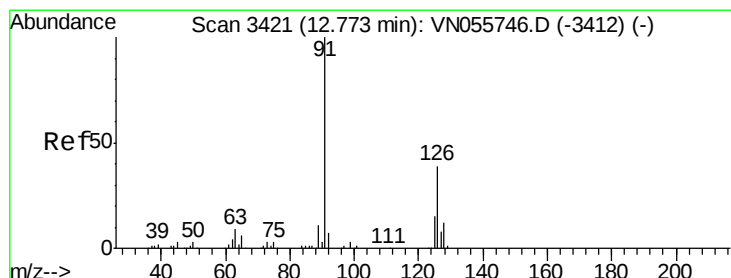
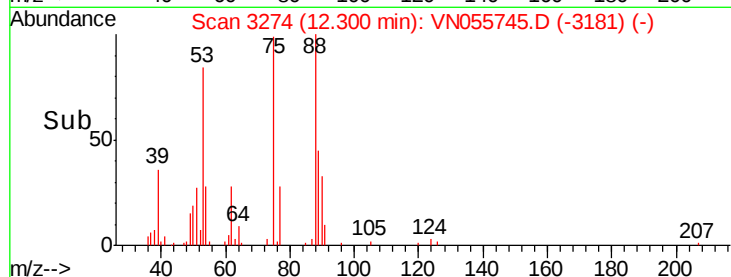
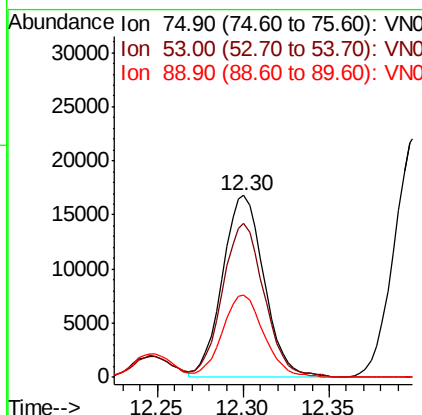
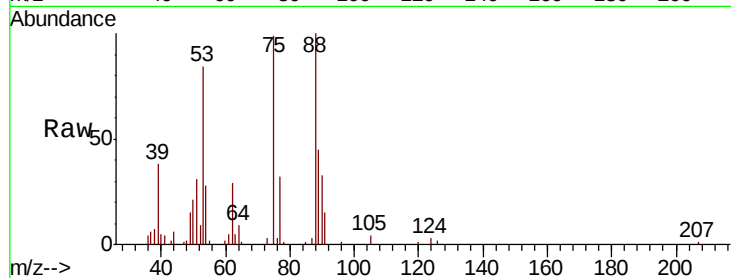




#81
trans-1,4-Dichloro-2-butene
Concen: 19.493 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

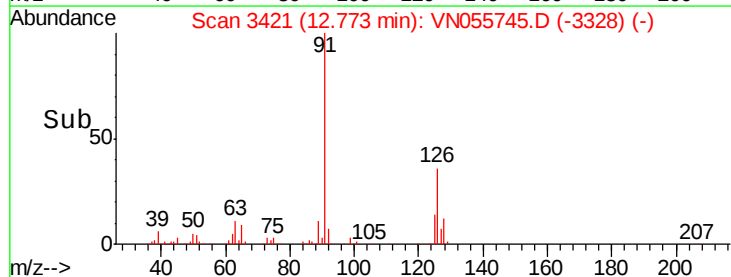
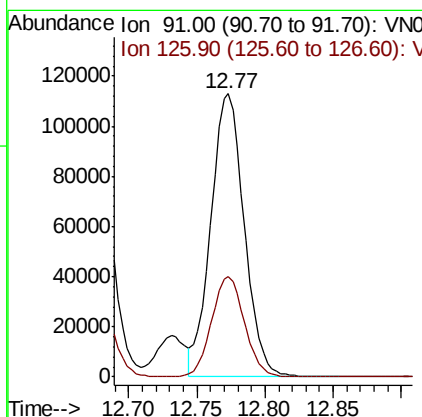
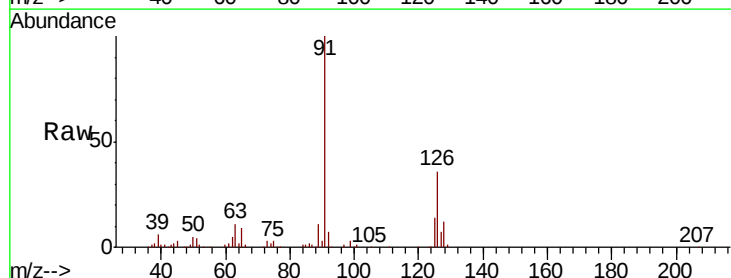
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

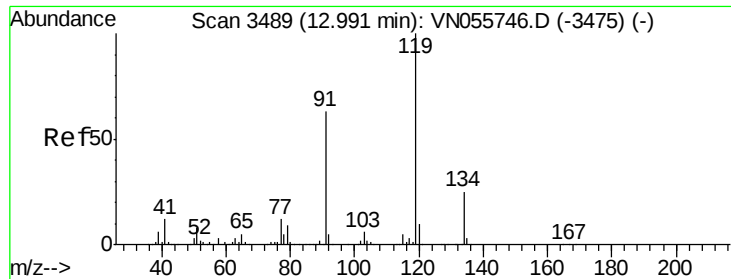
Tot Ion: 75 Resp: 28341
Ion Ratio Lower Upper
75 100
53 85.3 68.1 102.1
89 45.5 36.9 55.3



#82
4-Chlorotoluene
Concen: 19.757 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 91 Resp: 191255
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.3

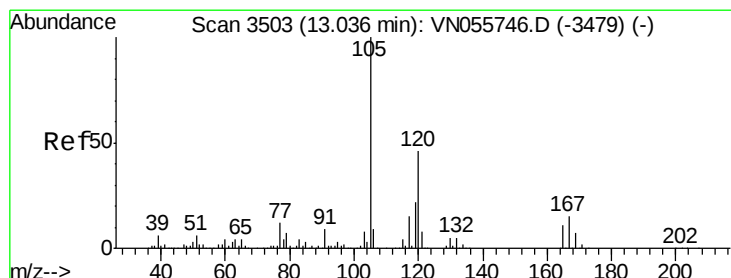
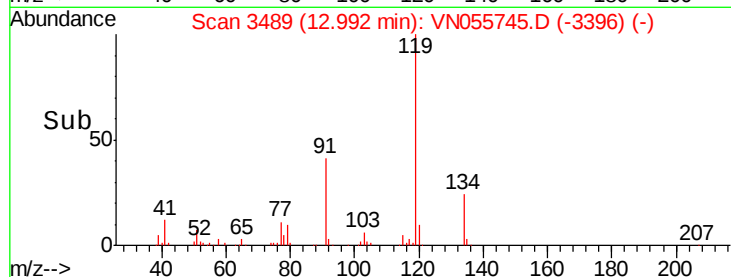
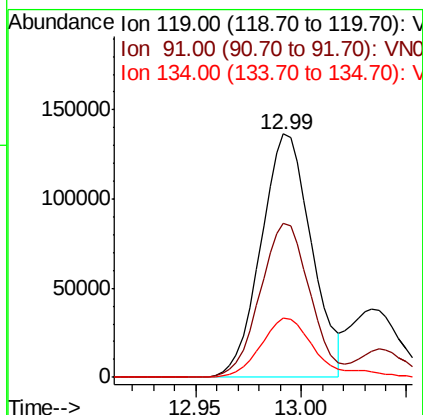
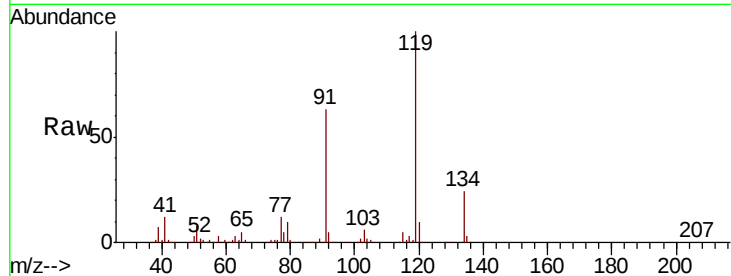




#83
 tert-Butylbenzene
 Concen: 20.393 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

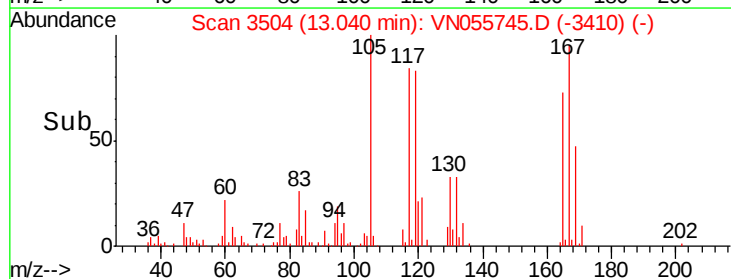
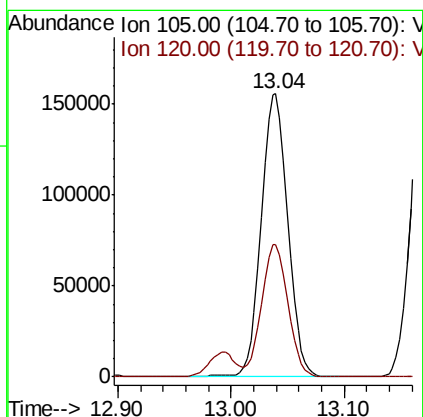
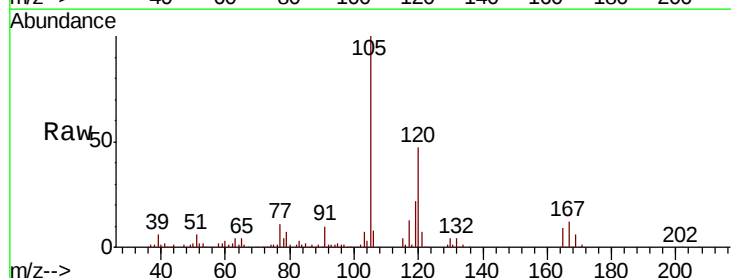
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

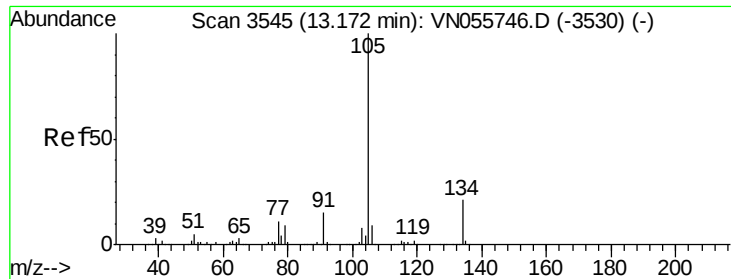
Tot Ion:119 Resp: 227671
 Ion Ratio Lower Upper
 119 100
 91 62.5 30.9 92.8
 134 26.4 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.293 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion:105 Resp: 254289
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.241 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

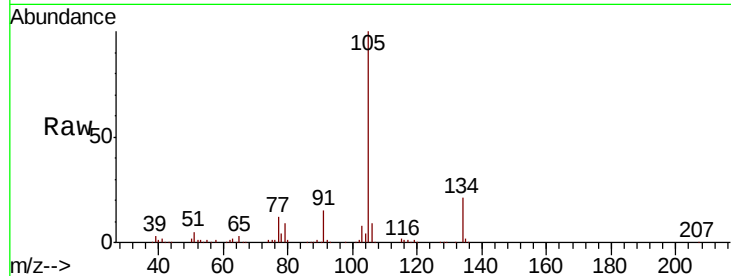
VSTDIC020

Tot Ion:105 Resp: 286944

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

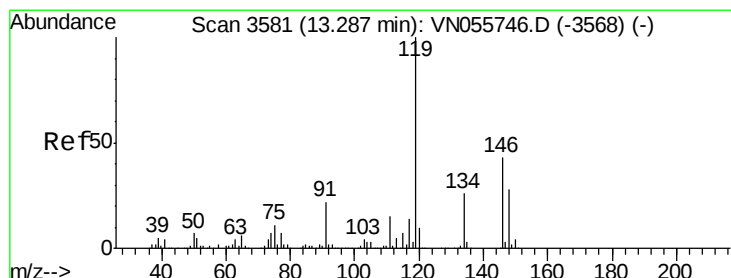
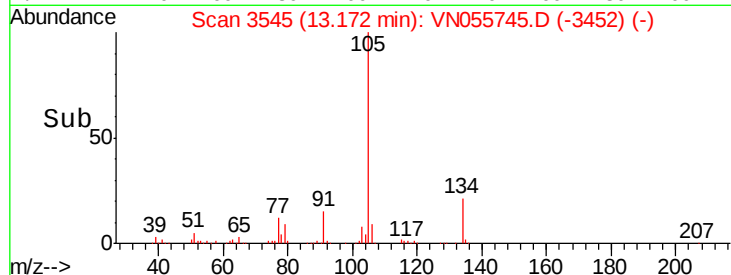
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.074 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

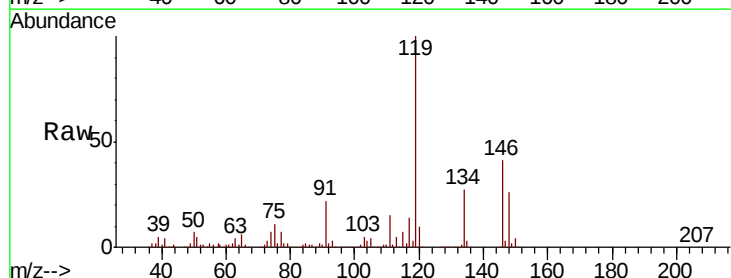
Tgt Ion:119 Resp: 261564

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.0 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

13.29

200000

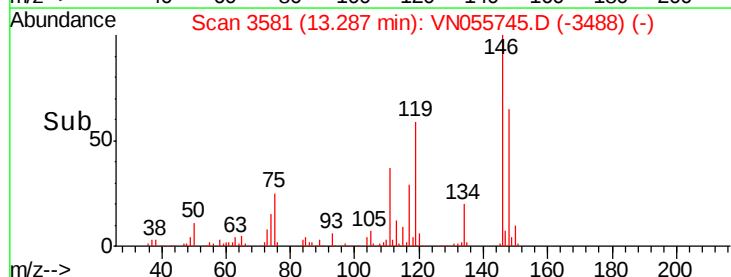
150000

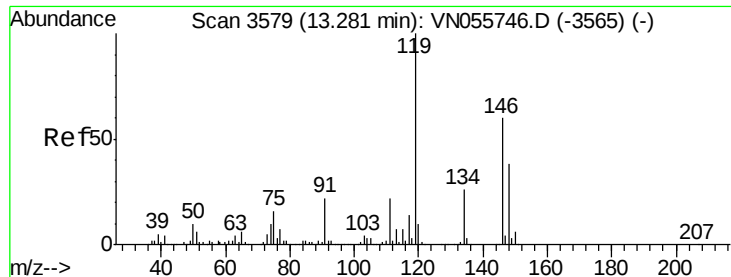
100000

50000

0

Time-->

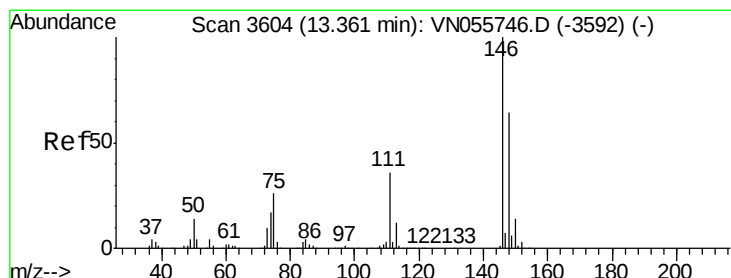
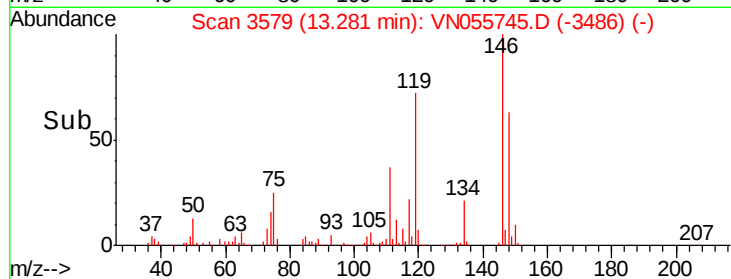
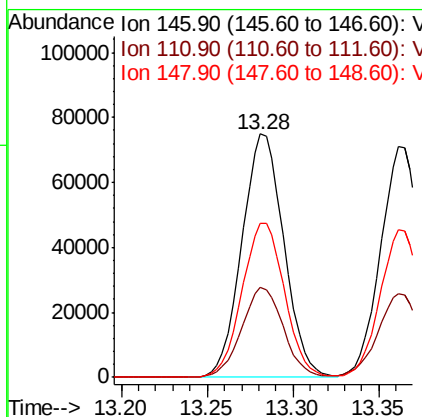
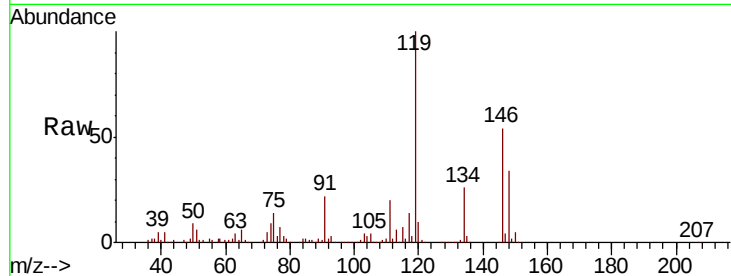




#87
 1,3-Dichlorobenzene
 Concen: 20.157 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

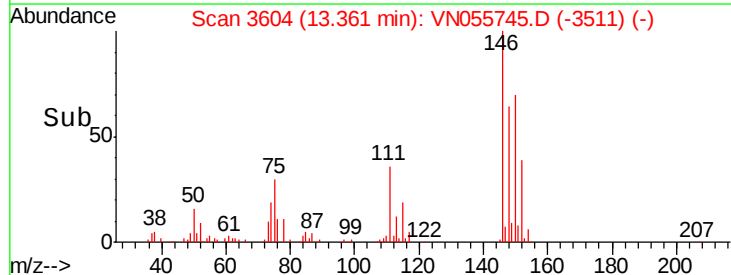
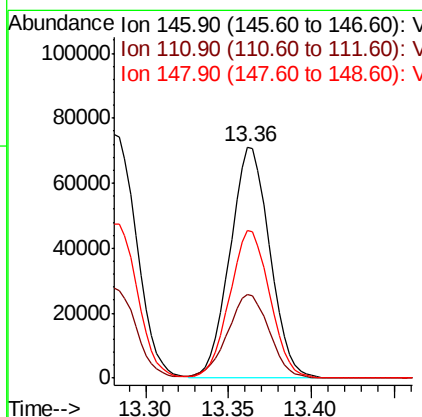
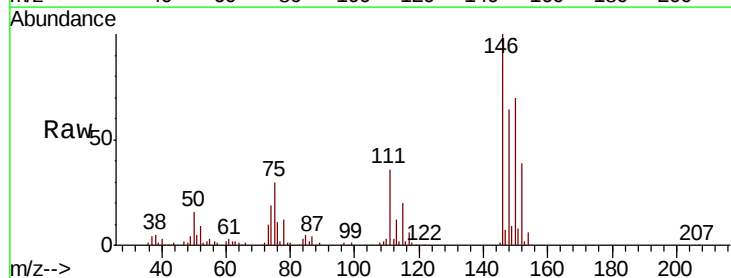
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

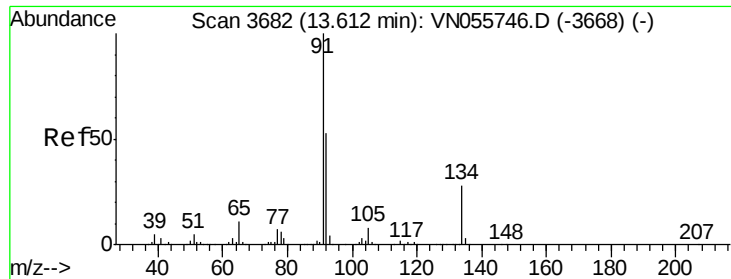
Tot Ion:146 Resp: 126948
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.5 55.5
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.892 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion:146 Resp: 119159
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.4
 148 64.6 32.1 96.5

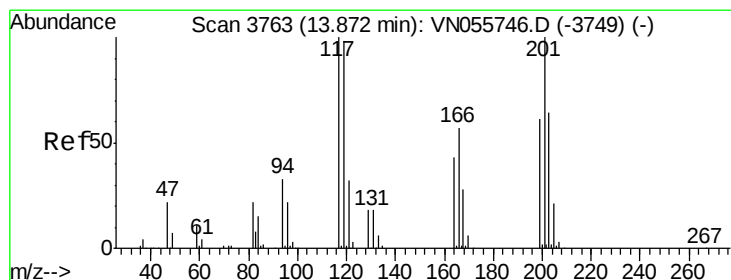
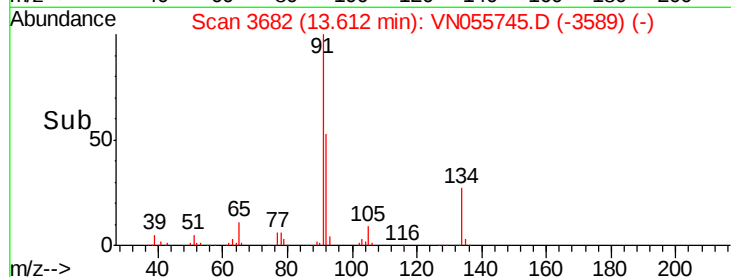
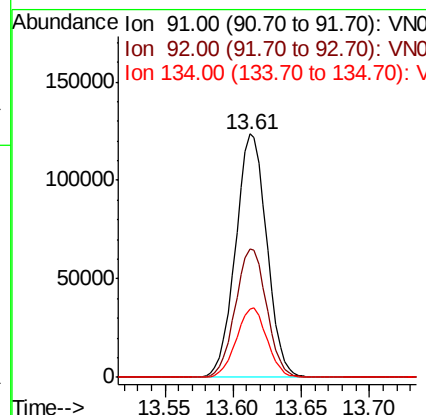
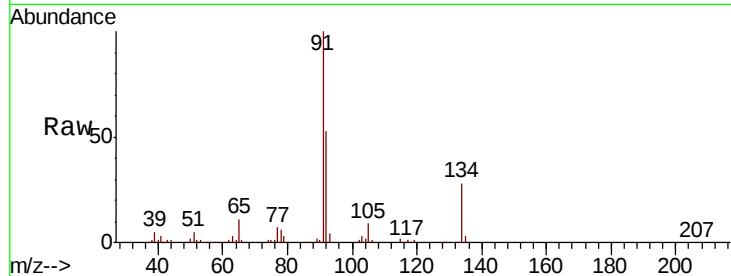




#89
n-Butylbenzene
Concen: 19.356 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

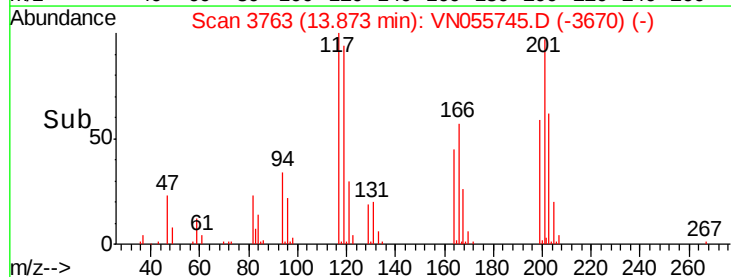
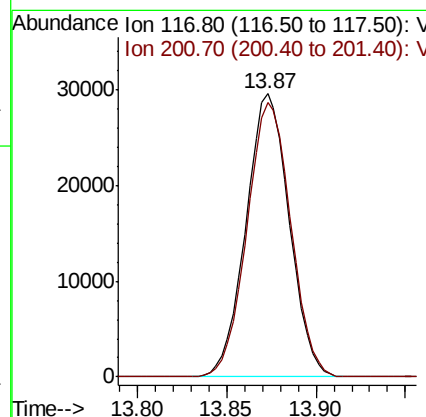
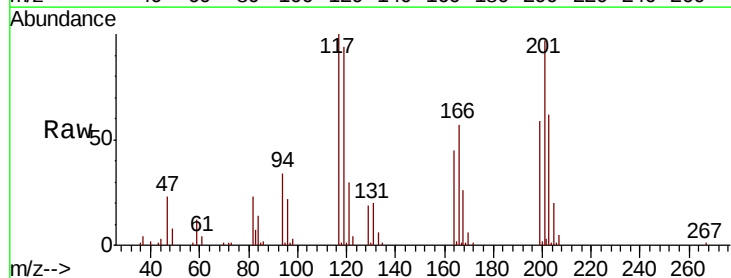
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

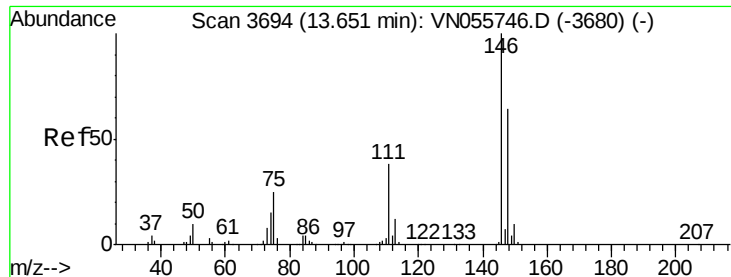
Tot Ion: 91 Resp: 195933
Ion Ratio Lower Upper
91 100
92 53.0 26.4 79.0
134 28.1 13.9 41.7



#90
Hexachloroethane
Concen: 20.179 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055745.D
Acq: 23 May 2019 10:10

Tgt Ion: 117 Resp: 50190
Ion Ratio Lower Upper
117 100
201 97.7 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.680 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

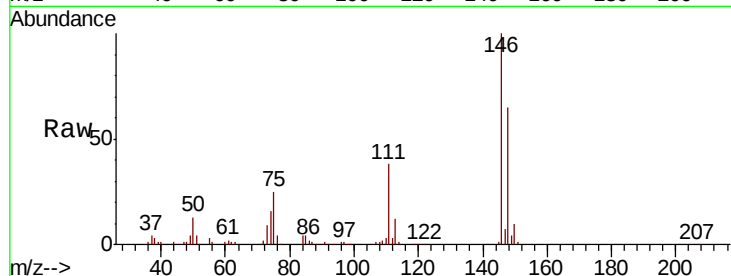
Tot Ion:146 Resp: 129802

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.5

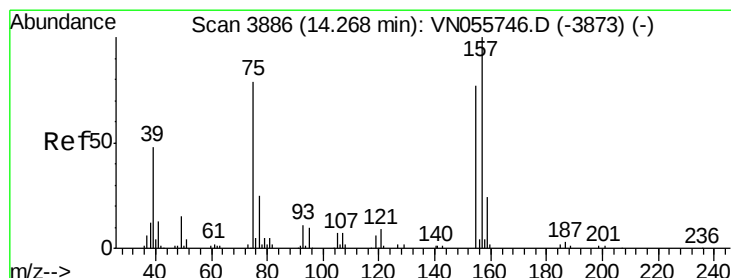
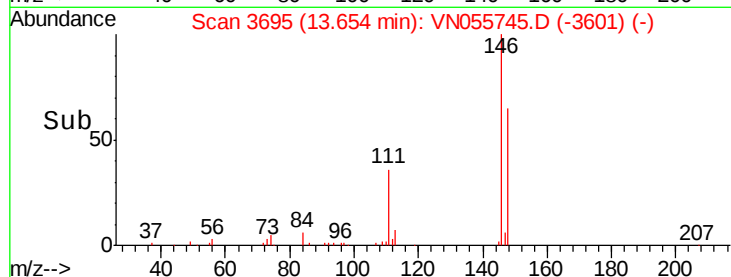
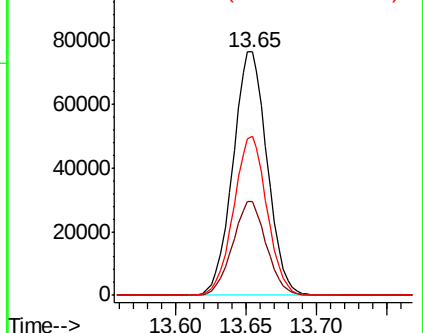
148 63.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.124 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

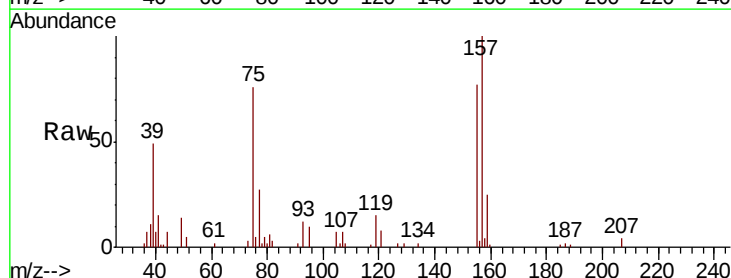
Tgt Ion: 75 Resp: 16701

Ion Ratio Lower Upper

75 100

155 100.7 50.0 150.1

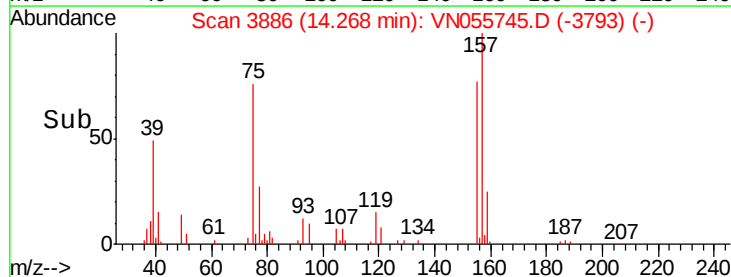
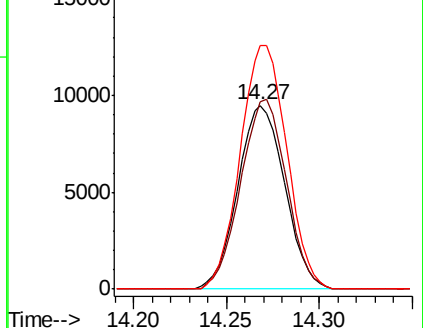
157 131.0 64.8 194.3

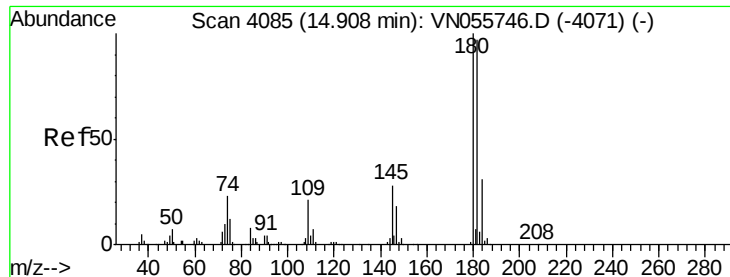


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

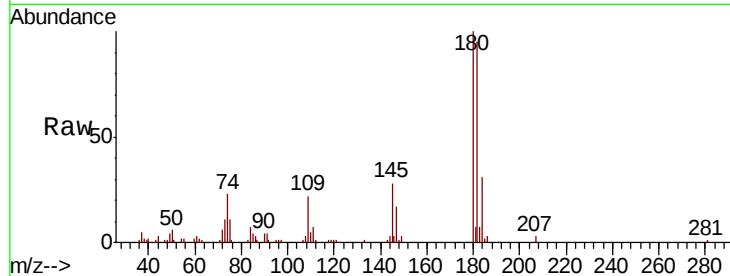




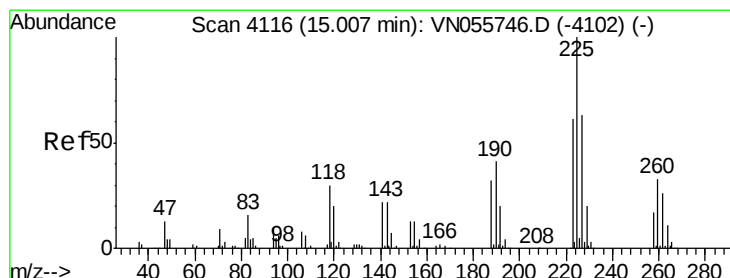
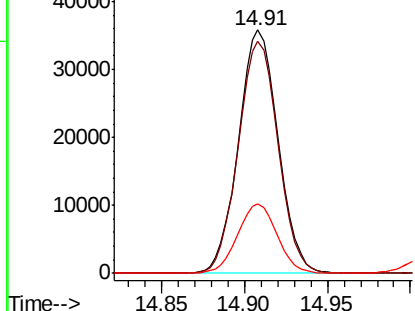
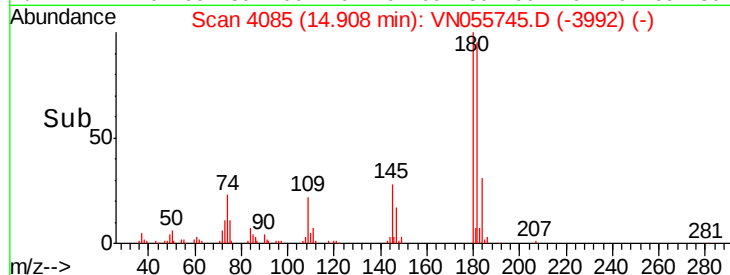
#93
 1,2,4-Trichlorobenzene
 Concen: 18.892 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 59484
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.3 144.9
 145 28.3 14.0 41.9

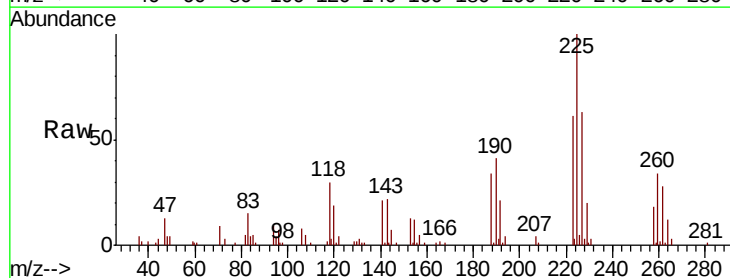


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

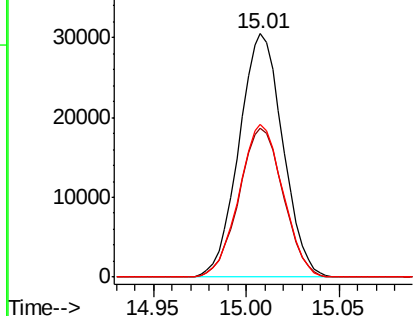
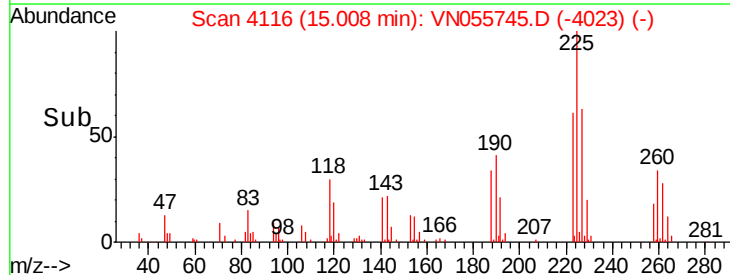


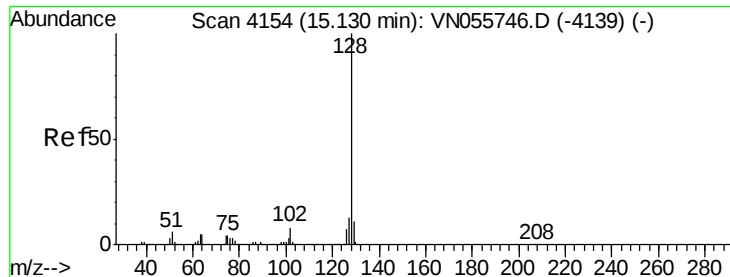
#94
 Hexachlorobutadiene
 Concen: 22.365 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055745.D
 Acq: 23 May 2019 10:10

Tgt Ion:225 Resp: 49949
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.9 92.7
 227 63.0 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: 19.335 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

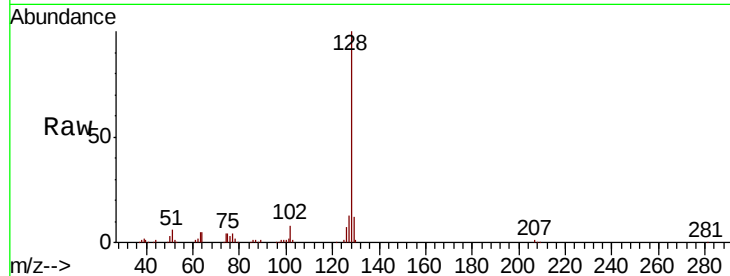
Tot Ion:128 Resp: 164722

Ion Ratio Lower Upper

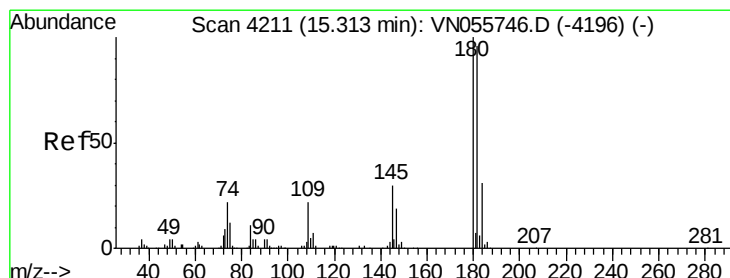
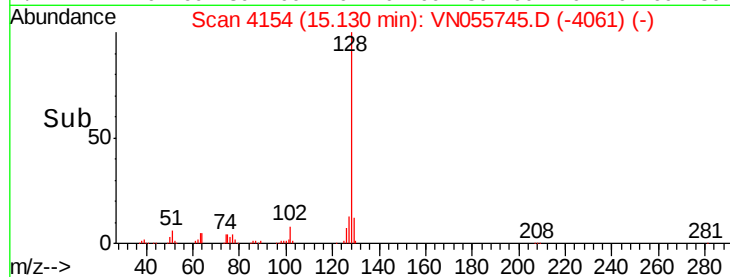
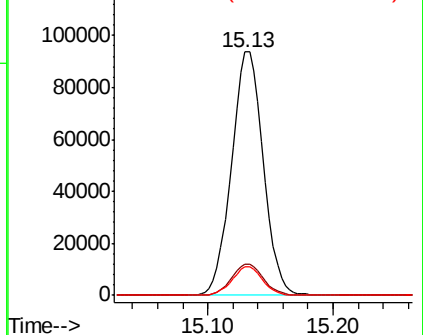
128 100

127 12.8 10.3 15.5

129 11.3 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: 19.434 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055745.D

Acq: 23 May 2019 10:10

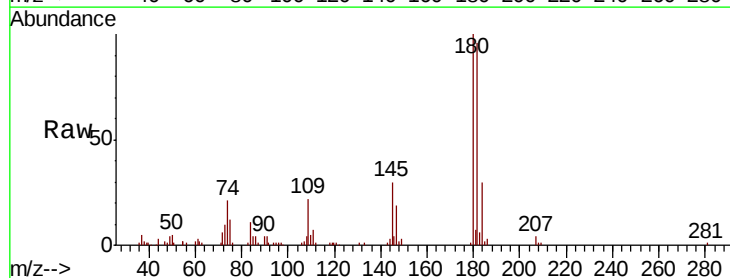
Tgt Ion:180 Resp: 64547

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 29.5 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

