

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055756.D
 Acq On : 23 May 2019 16:21
 Operator : JC/SP
 Sample : VN0523WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 24 06:48:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	547403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	194465	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.59	113	172970	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.09	98	658368	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	219401	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	46058	17.688	ug/l	99
3) Chloromethane	2.06	50	65264	17.889	ug/l	100
4) Vinyl Chloride	2.18	62	72305	18.581	ug/l	99
5) Bromomethane	2.54	94	51848	21.298	ug/l	97
6) Chloroethane	2.69	64	45458	19.403	ug/l	98
7) Trichlorofluoromethane	3.01	101	98909	19.388	ug/l	100
8) Diethyl Ether	3.40	74	43055	18.830	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	60770	19.082	ug/l	98
10) Methyl Iodide	3.94	142	90054	19.342	ug/l	100
11) Tert butyl alcohol	4.82	59	72086	94.423	ug/l	95
12) 1,1-Dichloroethene	3.72	96	62715	19.059	ug/l	97
13) Acrolein	3.60	56	48299	88.354	ug/l	98
14) Allyl chloride	4.31	41	104581	18.540	ug/l	98
15) Acrylonitrile	4.99	53	168311	96.010	ug/l	100
16) Acetone	3.82	43	162025	92.248	ug/l	98
17) Carbon Disulfide	4.04	76	169407	18.121	ug/l	100
18) Methyl Acetate	4.33	43	71628	19.283	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	212089	19.326	ug/l	97
20) Methylene Chloride	4.54	84	71719	18.855	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	66020	18.675	ug/l	97
22) Diisopropyl ether	5.96	45	207405	18.904	ug/l	98
23) Vinyl Acetate	5.90	43	901784	95.865	ug/l	100
24) 1,1-Dichloroethane	5.84	63	121304	18.990	ug/l	99
25) 2-Butanone	6.84	43	231709	94.461	ug/l	100
26) 2,2-Dichloropropane	6.82	77	102707	18.578	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	79734	19.333	ug/l	99
28) Bromochloromethane	7.19	49	60800	19.991	ug/l	98
29) Tetrahydrofuran	7.22	42	150076	96.612	ug/l	98
30) Chloroform	7.37	83	122316	19.200	ug/l	99
31) Cyclohexane	7.65	56	113263	18.885	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	110622	19.459	ug/l	99
36) 1,1-Dichloropropene	7.79	75	91492	19.179	ug/l	100
37) Ethyl Acetate	6.93	43	90597	19.650	ug/l	100
38) Carbon Tetrachloride	7.77	117	99425	20.009	ug/l	98

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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)
39) Methylcyclohexane	9.08	83	112647	19.069	ug/l	99
40) Benzene	8.04	78	286072	19.898	ug/l	100
41) Methacrylonitrile	7.18	41	42108	18.078	ug/l	96
42) 1,2-Dichloroethane	8.12	62	94748	20.168	ug/l	100
43) Isopropyl Acetate	8.17	43	148887	19.220	ug/l	99
44) Trichloroethene	8.83	130	81719	20.389	ug/l	96
45) 1,2-Dichloropropane	9.12	63	74810	19.972	ug/l	100
46) Dibromomethane	9.21	93	49703	20.233	ug/l	97
47) Bromodichloromethane	9.40	83	99224	19.698	ug/l	96
48) Methyl methacrylate	9.20	41	71661	20.072	ug/l	98
49) 1,4-Dioxane	9.20	88	29994	404.276	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	456217	99.717	ug/l	100
52) Toluene	10.16	92	179764	19.881	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	106287	19.767	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	117364	19.703	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	72338	19.970	ug/l	99
56) Ethyl methacrylate	10.43	69	108898	19.452	ug/l	98
57) 1,3-Dichloropropane	10.71	76	115937	19.690	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	204384	95.532	ug/l	99
59) 2-Hexanone	10.75	43	315006	97.055	ug/l	100
60) Dibromochloromethane	10.90	129	85348	20.225	ug/l	99
61) 1,2-Dibromoethane	11.00	107	76066	20.245	ug/l	100
64) Tetrachloroethene	10.63	164	82469	20.453	ug/l	99
65) Chlorobenzene	11.43	112	193929	20.264	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	77803	20.383	ug/l	99
67) Ethyl Benzene	11.51	91	338879	19.745	ug/l	100
68) m/p-Xylenes	11.62	106	259923	40.061	ug/l	99
69) o-Xylene	11.95	106	129464	20.112	ug/l	99
70) Styrene	11.96	104	208527	20.004	ug/l	100
71) Bromoform	12.13	173	66663	20.475	ug/l #	98
73) Isopropylbenzene	12.25	105	341758	21.891	ug/l	100
74) N-amyl acetate	12.07	43	119680	20.157	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	99359	21.042	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	121505	33.302	ug/l #	100
77) Bromobenzene	12.53	156	88796	20.258	ug/l	97
78) n-propylbenzene	12.59	91	350555	19.636	ug/l	99
79) 2-Chlorotoluene	12.67	91	216282	21.014	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	281672	21.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29283	19.181	ug/l	95
82) 4-Chlorotoluene	12.77	91	206188	19.648	ug/l	100
83) tert-Butylbenzene	12.99	119	247914	21.601	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	274603	21.007	ug/l	99
85) sec-Butylbenzene	13.17	105	309903	21.045	ug/l	99
86) p-Isopropyltoluene	13.29	119	286136	20.059	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	138136	19.903	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	130890	19.836	ug/l	99
89) n-Butylbenzene	13.61	91	207451	18.981	ug/l	99
90) Hexachloroethane	13.87	117	53978	19.881	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	140205	20.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17370	19.085	ug/l	93

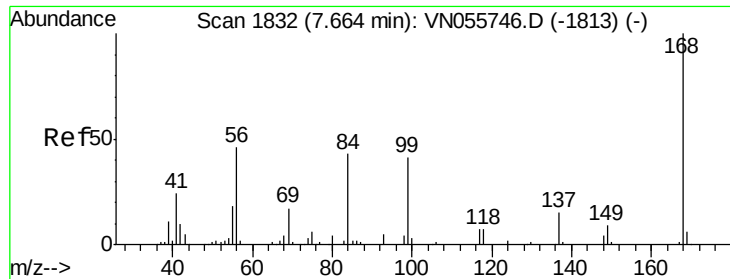
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67441	19.334	ug/l	99
94) Hexachlorobutadiene	15.01	225	56218	22.048	ug/l	97
95) Naphthalene	15.13	128	179356	18.876	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	72758	19.877	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: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

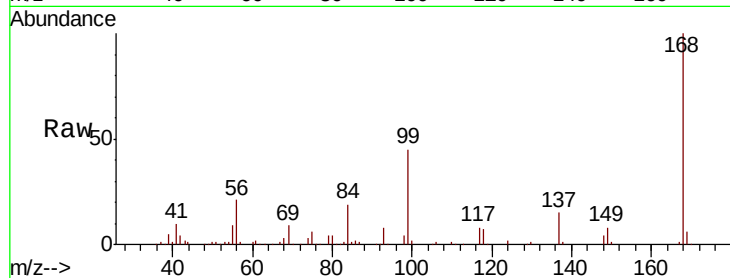
ClientSampleId :

Tot Ion:168 Resp: 386907

Ion Ratio Lower Upper

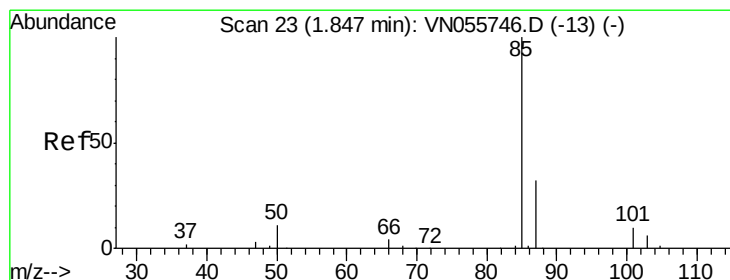
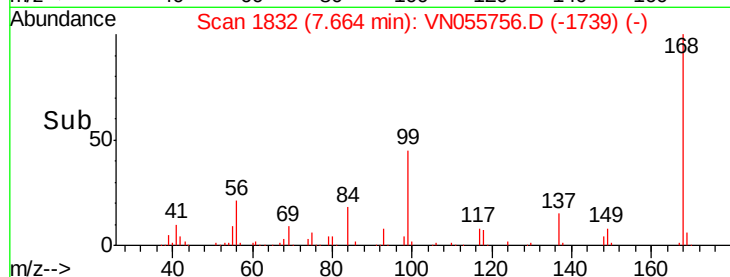
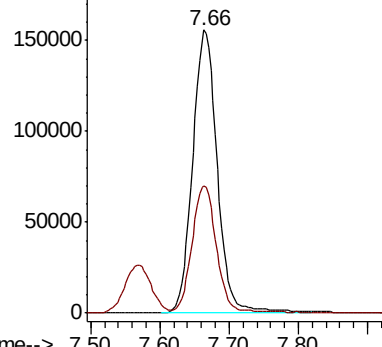
168 100

99 44.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.688 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055756.D

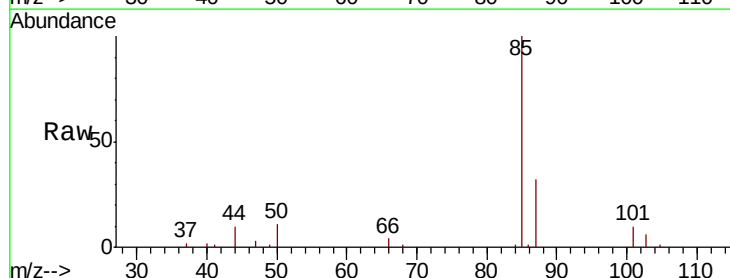
Acq: 23 May 2019 16:21

Tgt Ion: 85 Resp: 46058

Ion Ratio Lower Upper

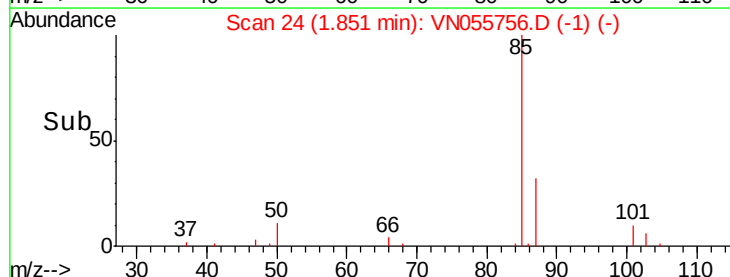
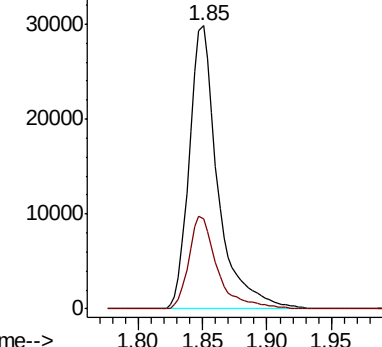
85 100

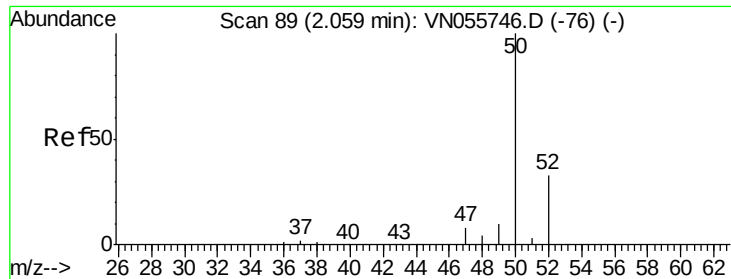
87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

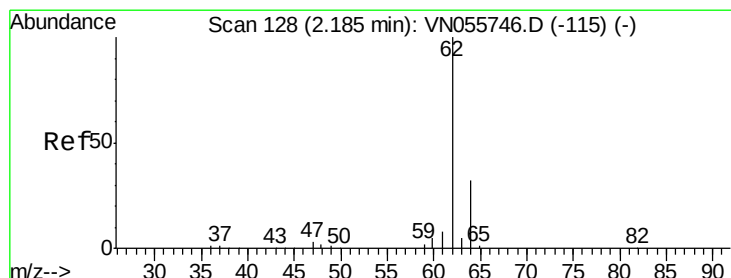
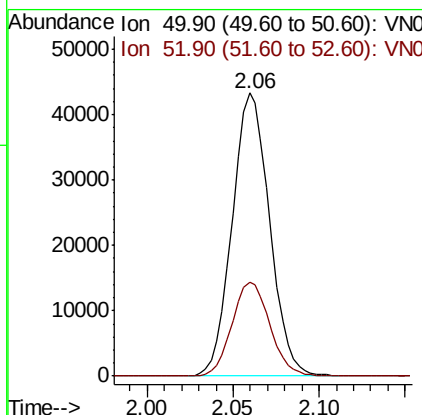
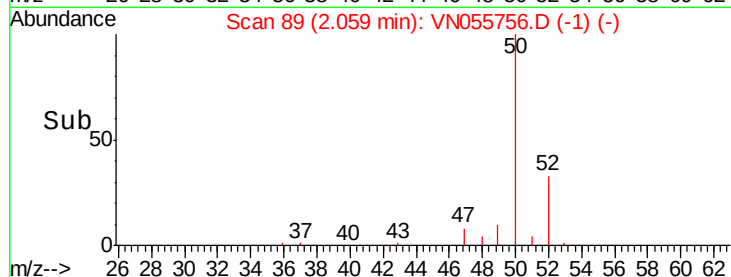
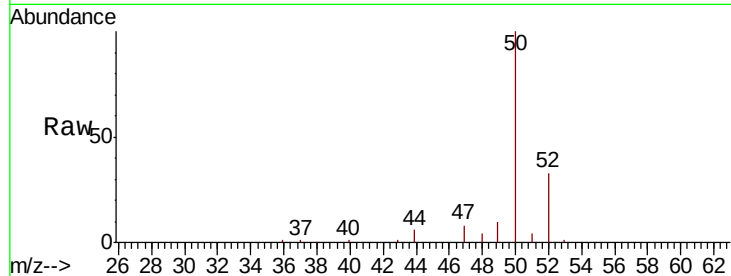




#3
Chloromethane
Concen: 17.889 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

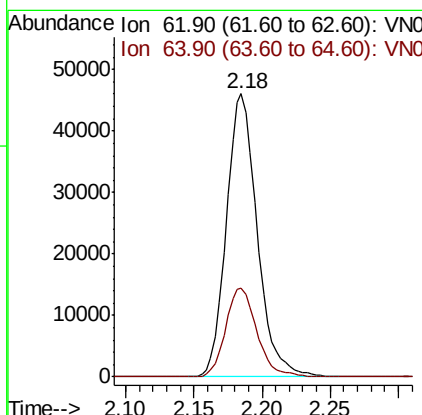
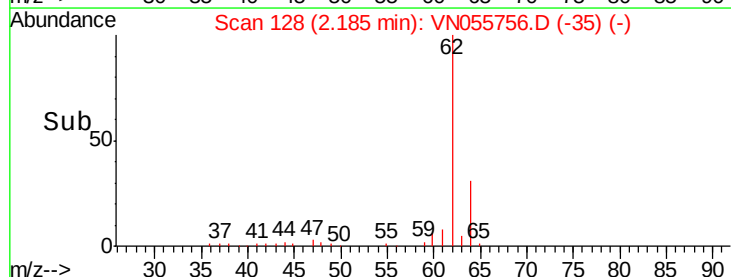
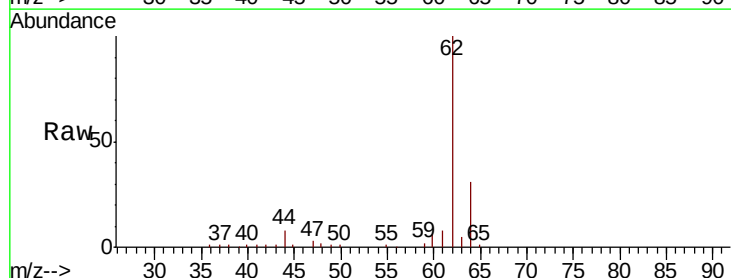
Instrument :
MSVOA_N
ClientSampleId :

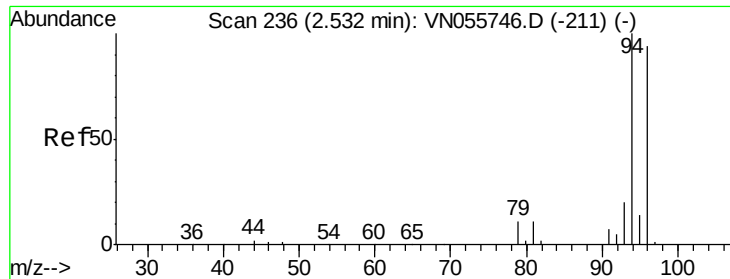
Tot Ion: 50 Resp: 65264
Ion Ratio Lower Upper
50 100
52 33.2 26.6 40.0



#4
Vinyl Chloride
Concen: 18.581 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion: 62 Resp: 72305
Ion Ratio Lower Upper
62 100
64 31.4 25.6 38.4

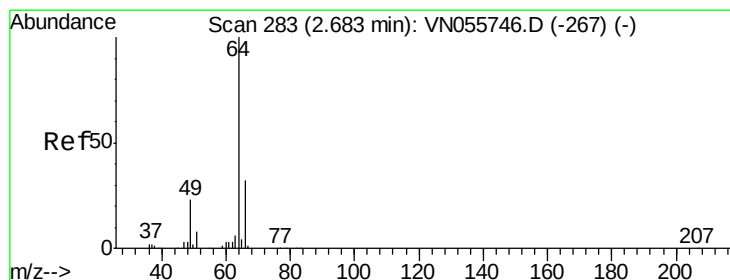
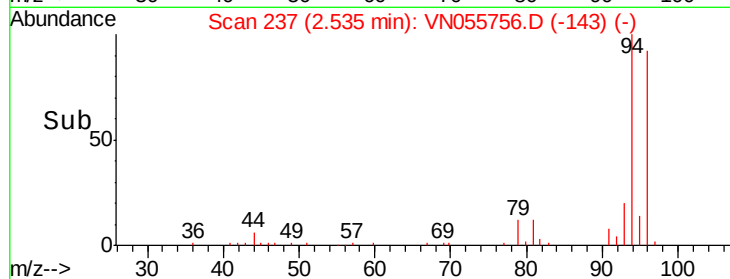
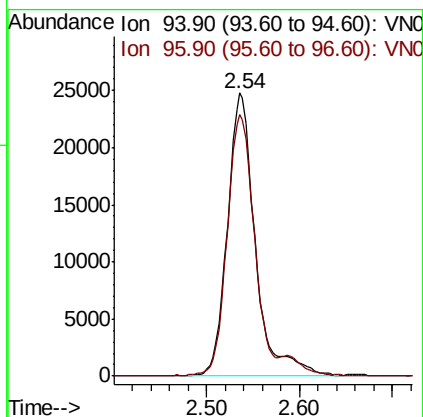
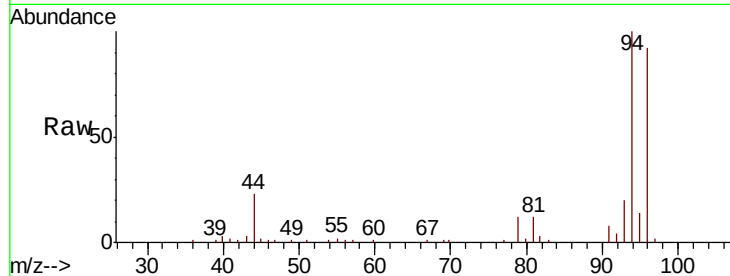




#5
Bromomethane
Concen: 21.298 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

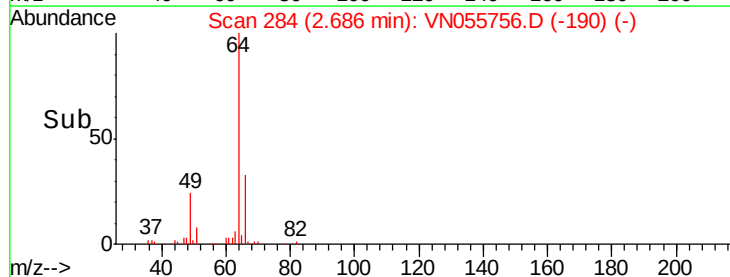
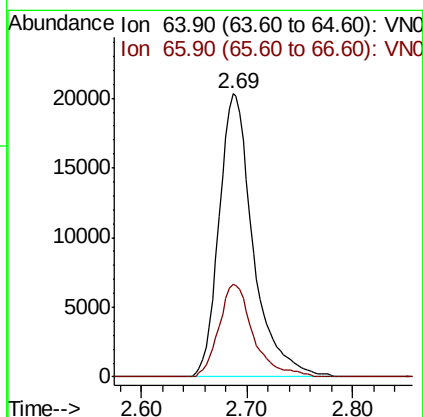
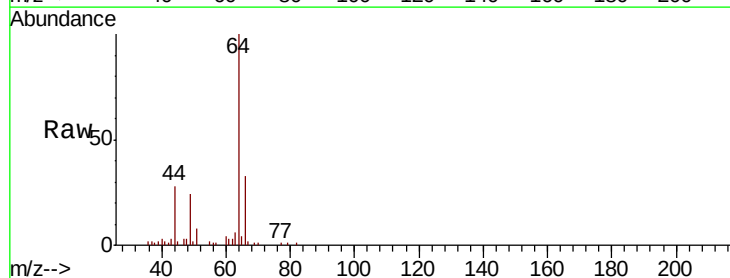
Instrument :
MSVOA_N
ClientSampled :

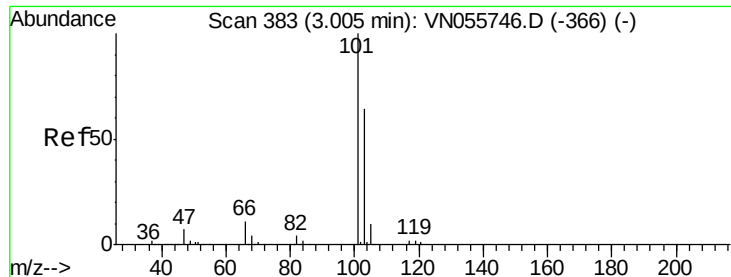
Tot Ion: 94 Resp: 51848
Ion Ratio Lower Upper
94 100
96 91.7 75.5 113.3



#6
Chloroethane
Concen: 19.403 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion: 64 Resp: 45458
Ion Ratio Lower Upper
64 100
66 32.7 25.4 38.0



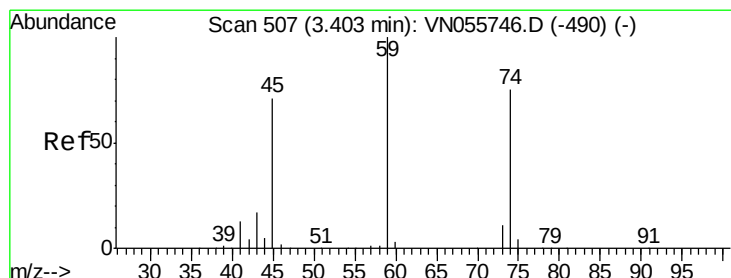
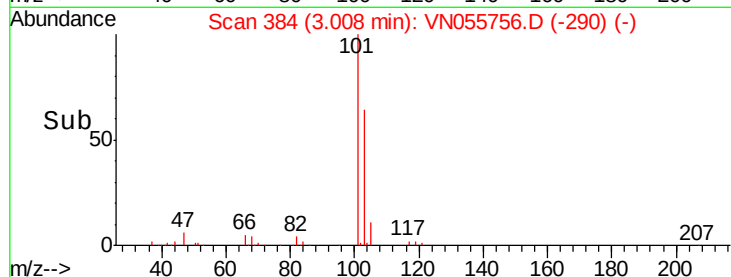
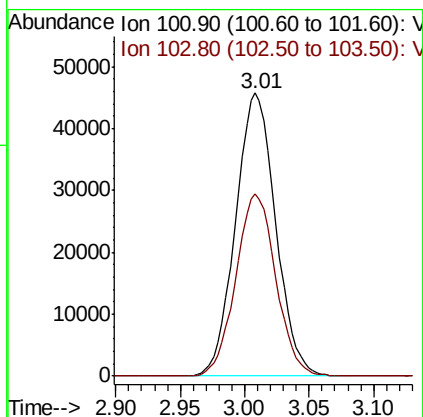
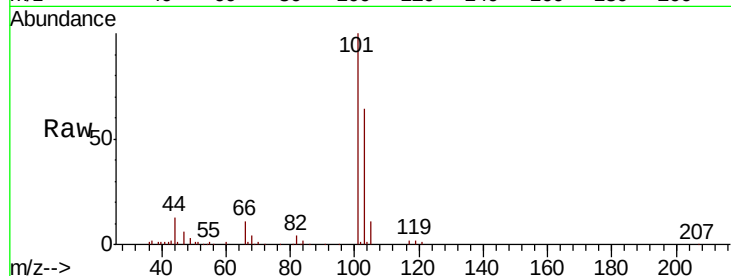


#7

Trichlorofluoromethane
 Concen: 19.388 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Instrument :
 MSVOA_N
 ClientSampled :

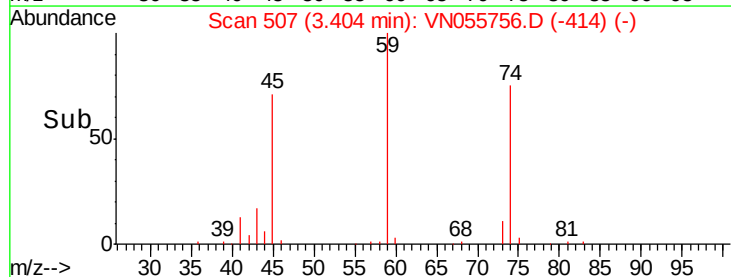
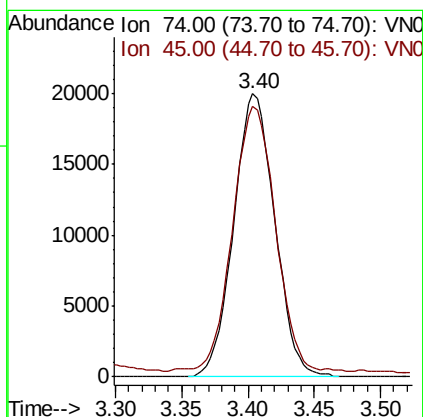
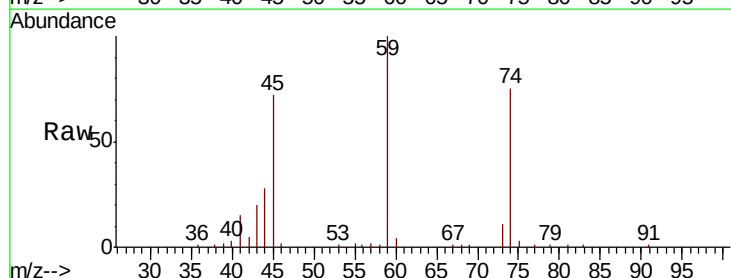
Tot Ion:101 Resp: 98909
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.2 76.8

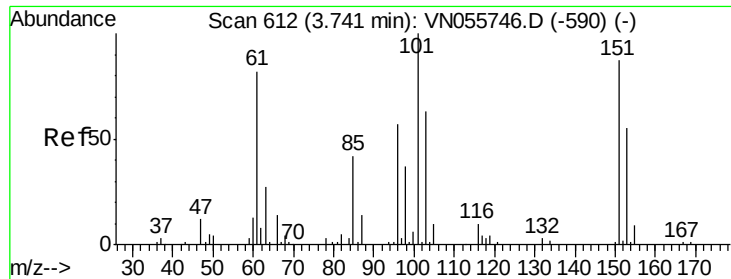


#8

Diethyl Ether
 Concen: 18.830 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion: 74 Resp: 43055
 Ion Ratio Lower Upper
 74 100
 45 97.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.082 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampled :

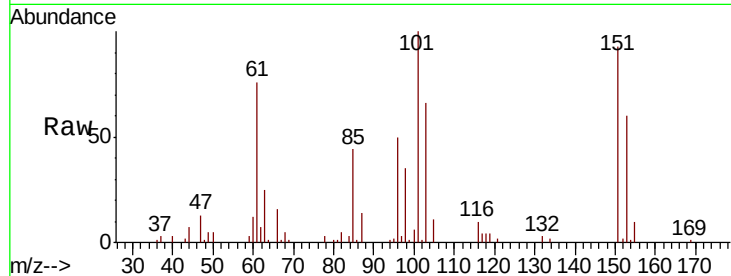
Tot Ion:101 Resp: 60770

Ion Ratio Lower Upper

101 100

85 42.6 33.4 50.2

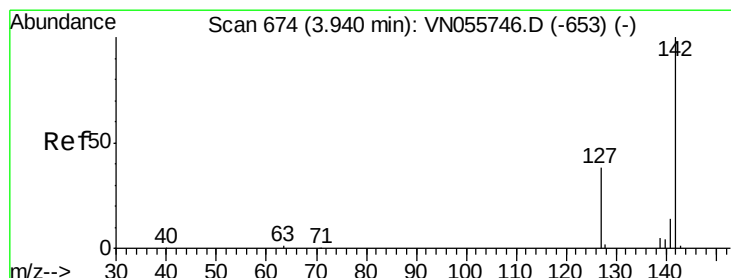
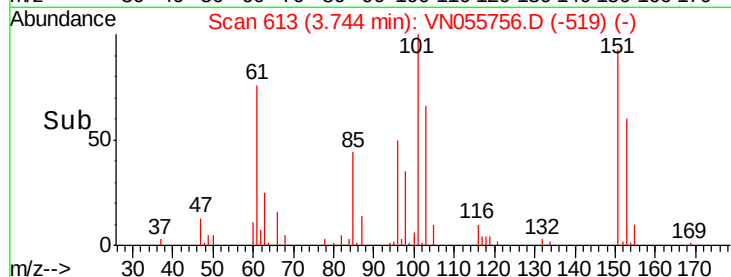
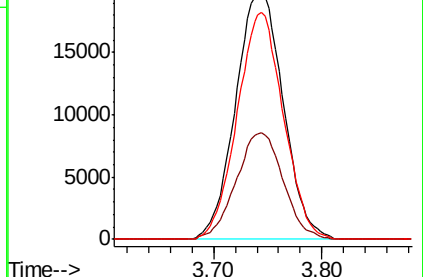
151 89.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.342 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

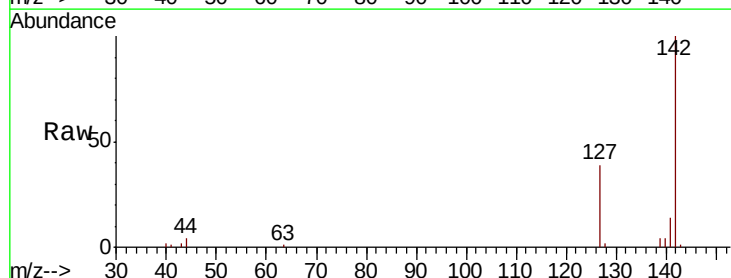
Tgt Ion:142 Resp: 90054

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

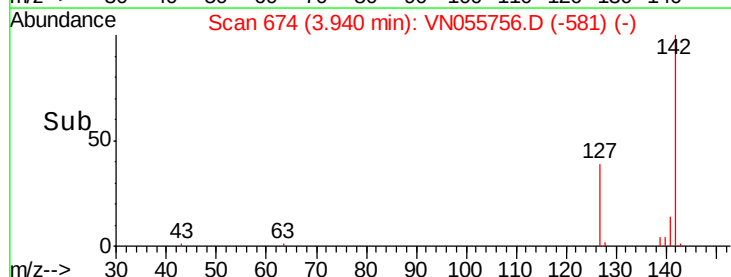
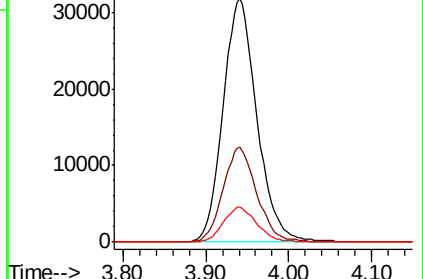
141 14.0 11.4 17.0

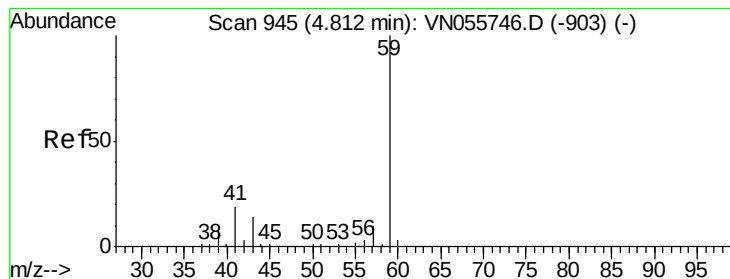


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



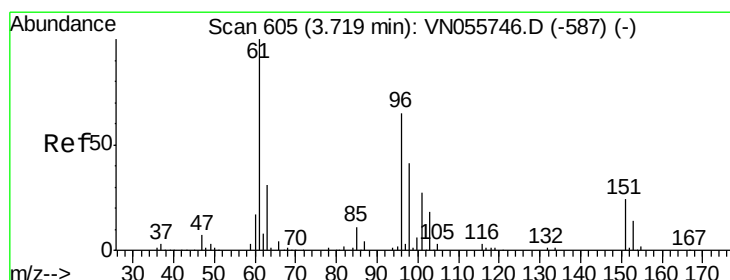
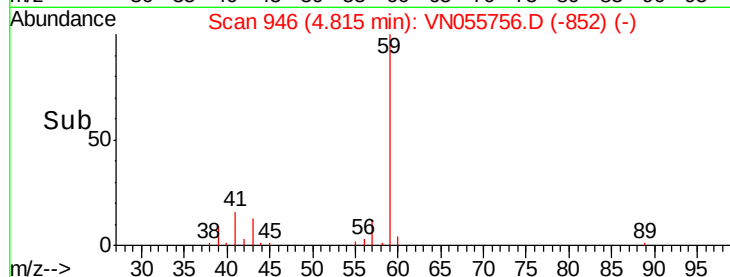
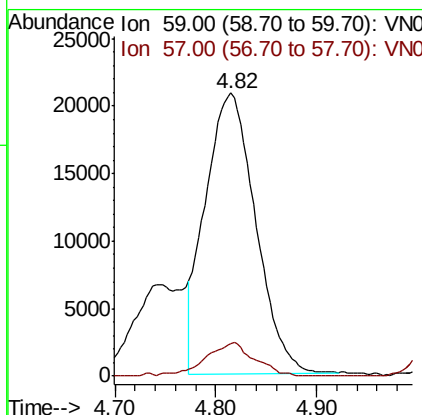
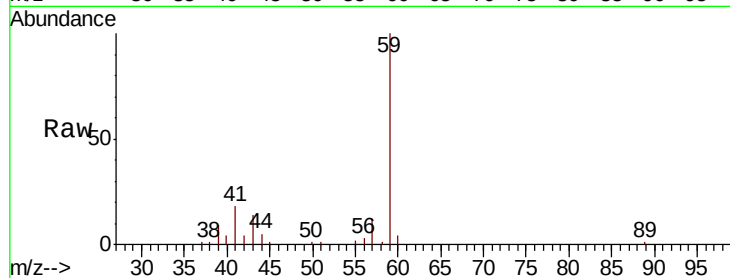


#11

Tert butyl alcohol
 Concen: 94.423 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :

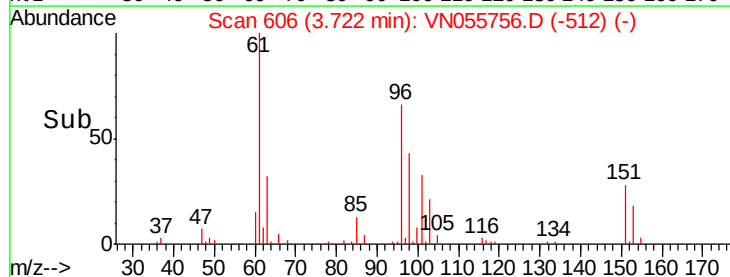
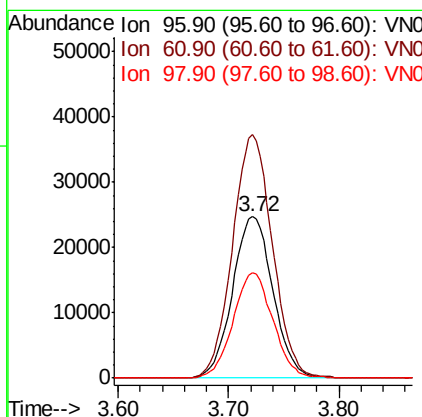
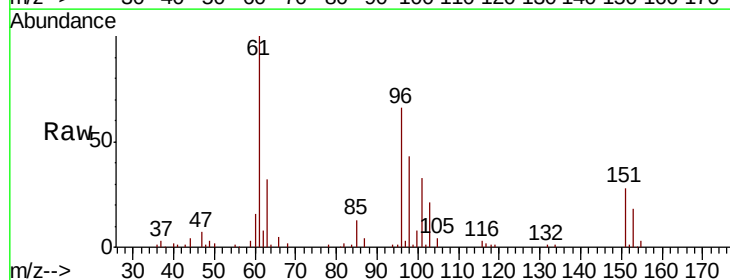
Tot Ion: 59 Resp: 72086
 Ion Ratio Lower Upper
 59 100
 57 11.6 7.8 11.6

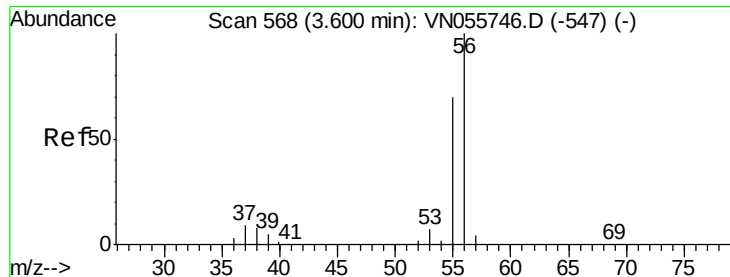


#12

1,1-Dichloroethene
 Concen: 19.059 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion: 96 Resp: 62715
 Ion Ratio Lower Upper
 96 100
 61 150.7 123.2 184.8
 98 65.3 50.4 75.6





#13

Acrolein

Concen: 88.354 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

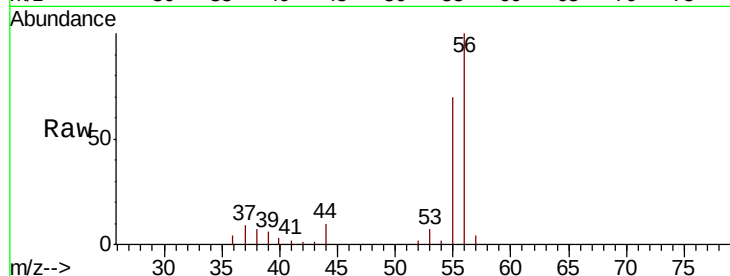
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 48299

Ion Ratio Lower Upper

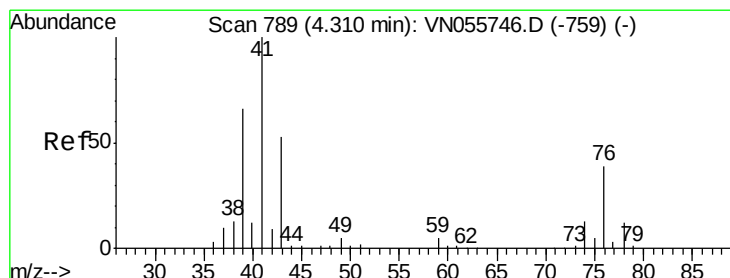
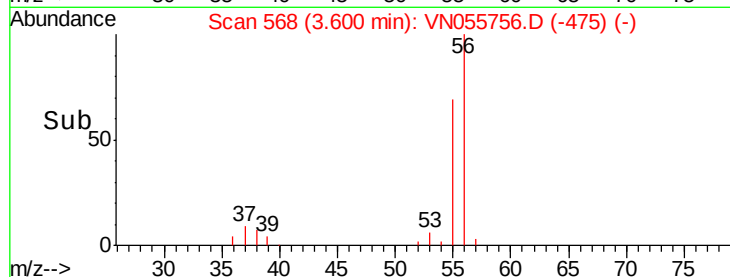
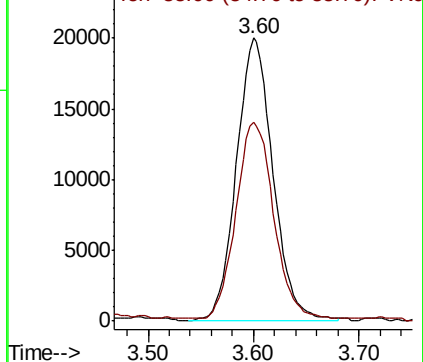
56 100

55 70.7 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: 18.540 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

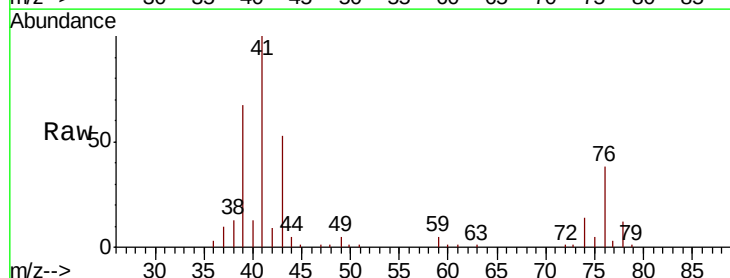
Tgt Ion: 41 Resp: 104581

Ion Ratio Lower Upper

41 100

39 64.4 50.0 75.0

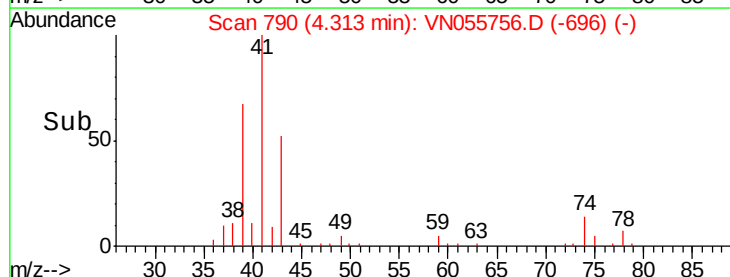
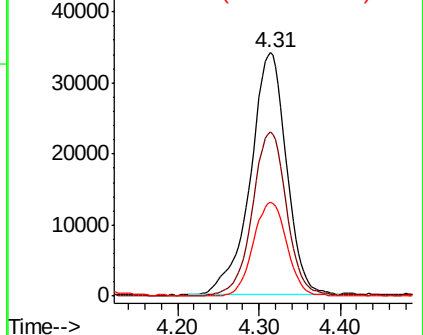
76 36.0 28.2 42.2

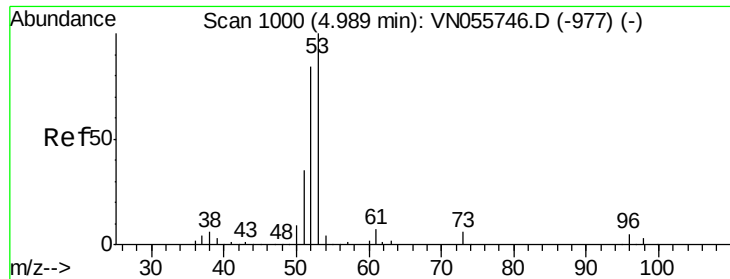


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.010 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

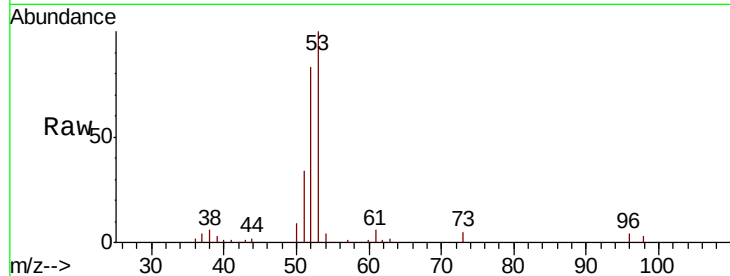
Tot Ion: 53 Resp: 168311

Ion Ratio Lower Upper

53 100

52 82.2 65.8 98.8

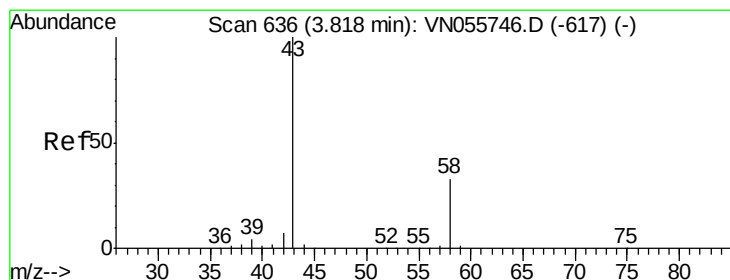
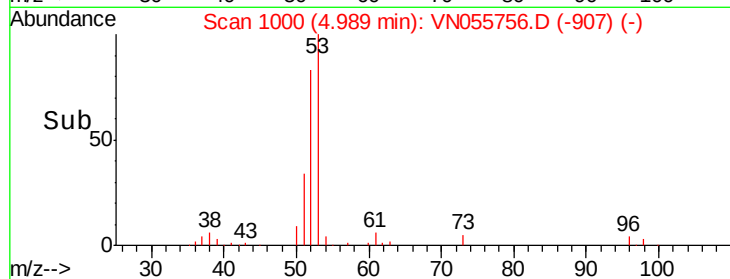
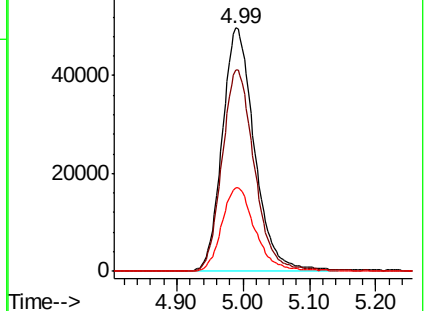
51 35.2 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 92.248 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055756.D

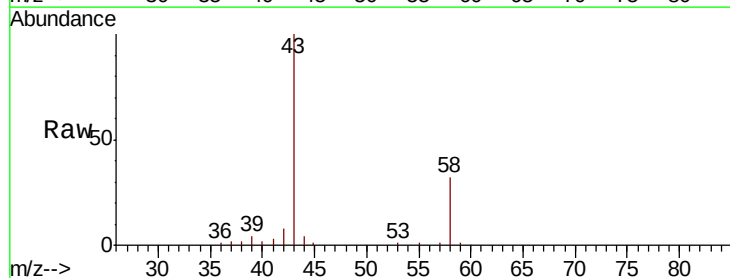
Acq: 23 May 2019 16:21

Tgt Ion: 43 Resp: 162025

Ion Ratio Lower Upper

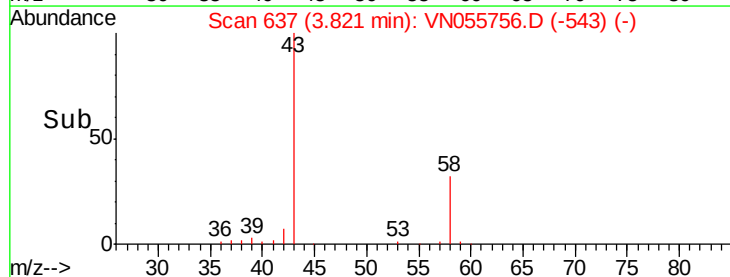
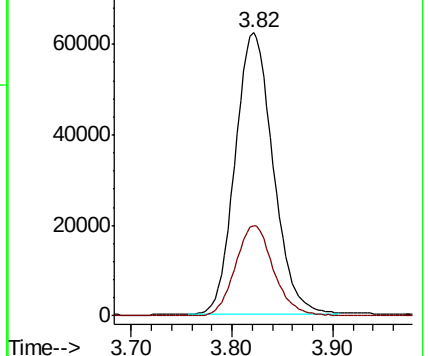
43 100

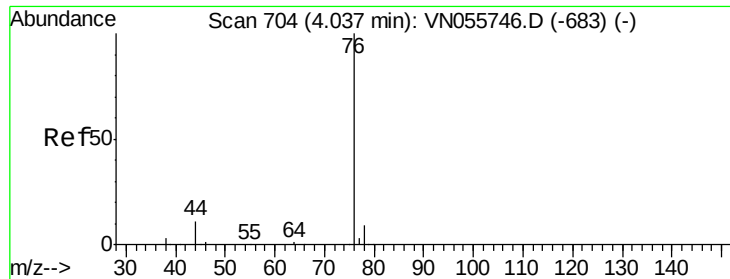
58 32.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.121 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

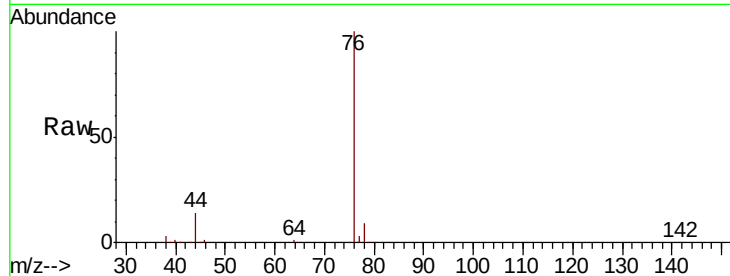
ClientSampleId :

Tot Ion: 76 Resp: 169407

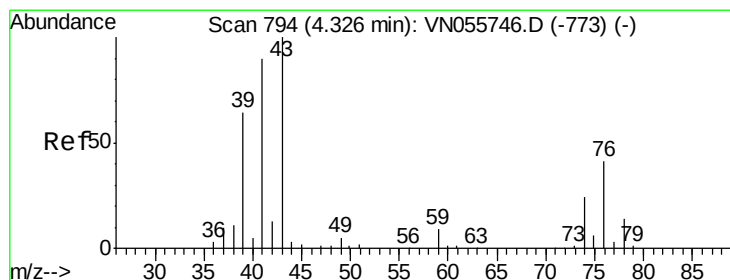
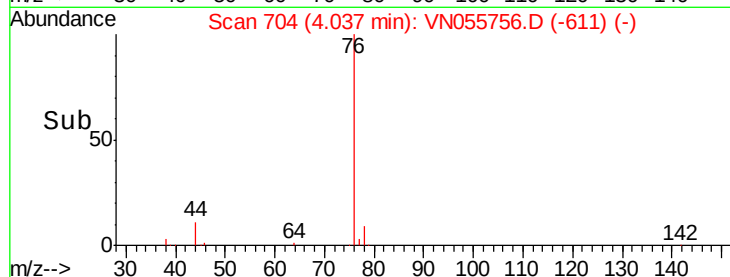
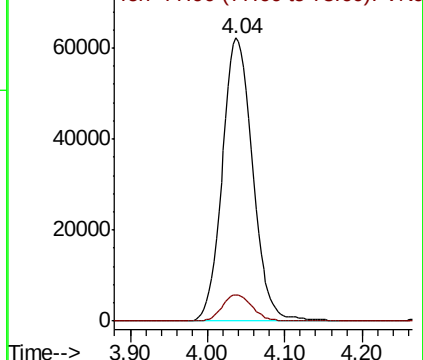
Ion Ratio Lower Upper

76 100

78 9.4 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: 19.283 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055756.D

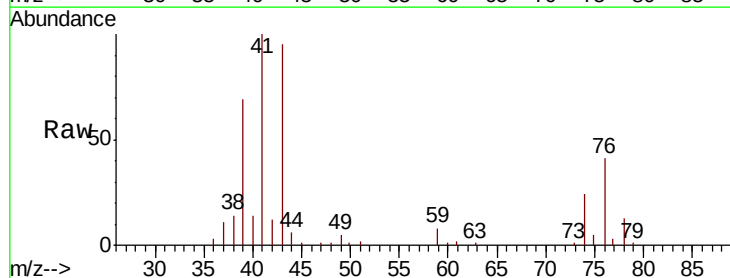
Acq: 23 May 2019 16:21

Tgt Ion: 43 Resp: 71628

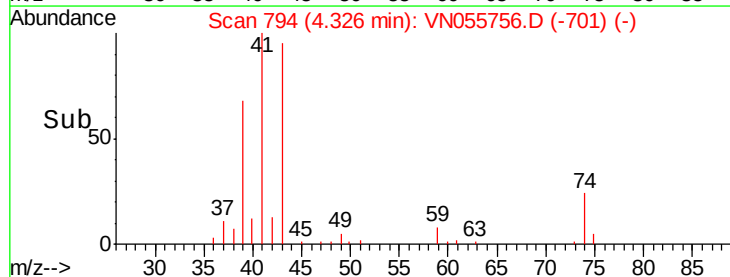
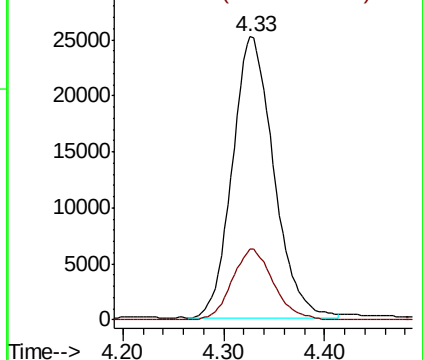
Ion Ratio Lower Upper

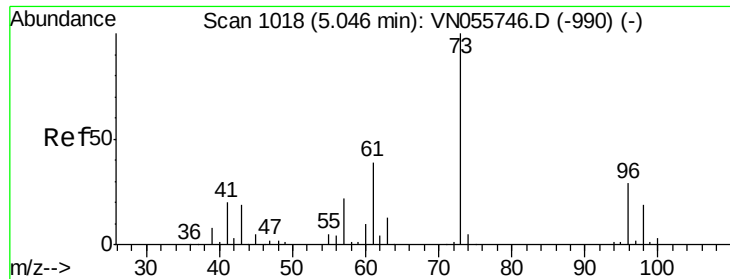
43 100

74 24.9 19.3 28.9



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

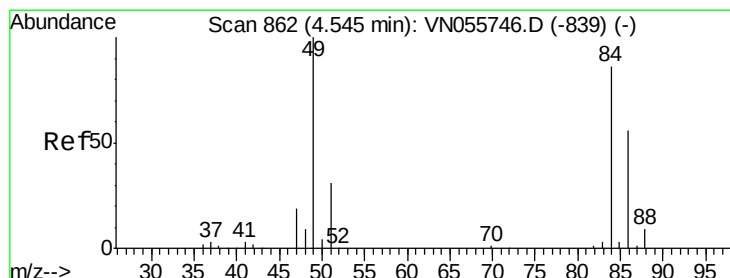
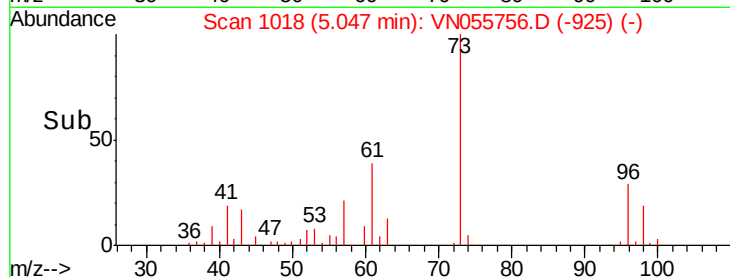
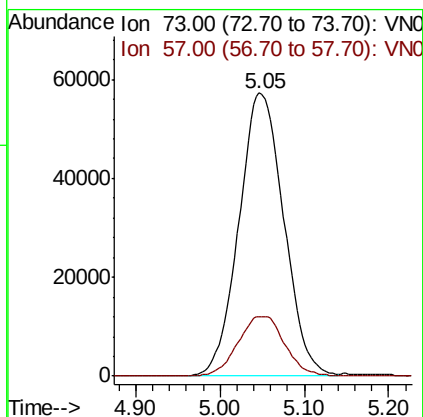
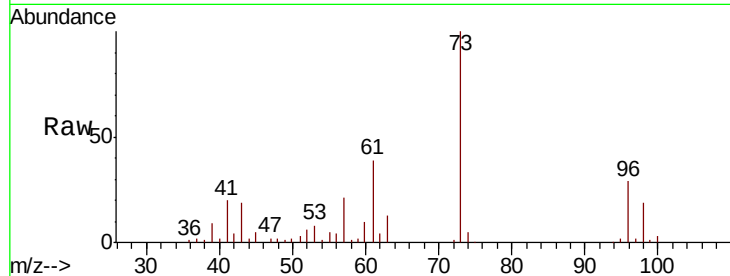




#19
Methyl tert-butyl Ether
Concen: 19.326 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

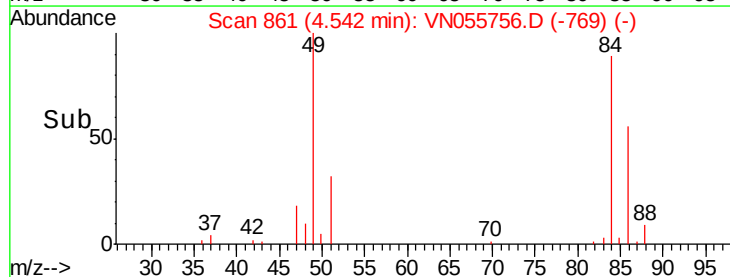
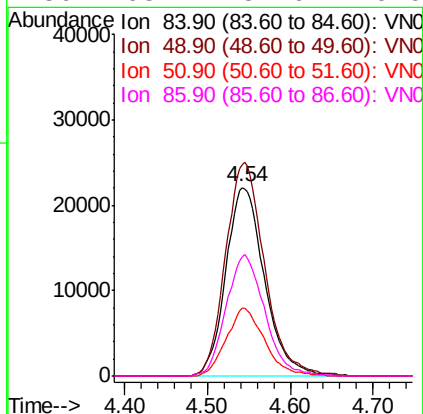
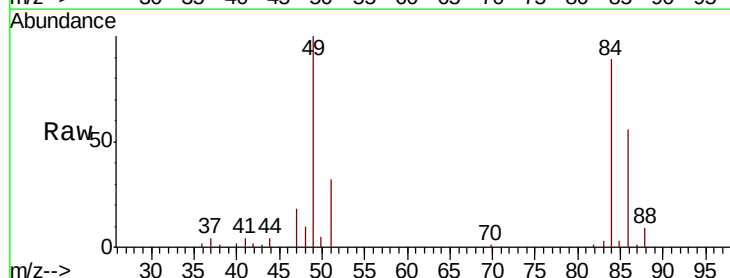
Instrument :
MSVOA_N
ClientSampled :

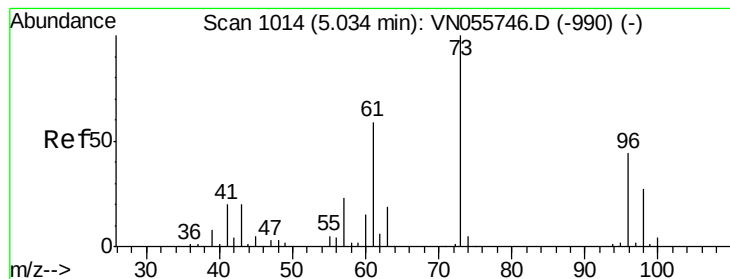
Tot Ion: 73 Resp: 212089
Ion Ratio Lower Upper
73 100
57 21.1 17.8 26.8



#20
Methylene Chloride
Concen: 18.855 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion: 84 Resp: 71719
Ion Ratio Lower Upper
84 100
49 112.1 93.5 140.3
51 35.8 28.6 43.0
86 63.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 18.675 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :
MSVOA_N
ClientSampled :

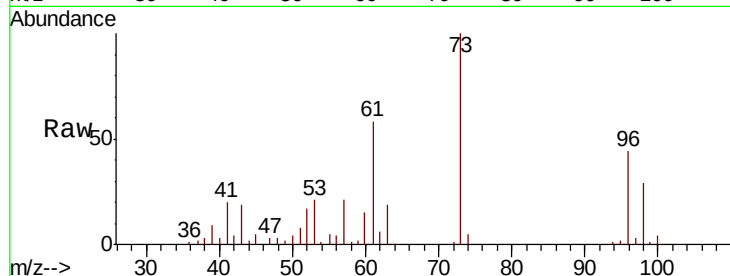
Tot Ion: 96 Resp: 66020

Ion Ratio Lower Upper

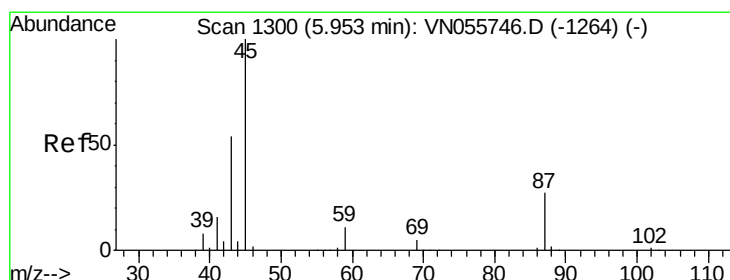
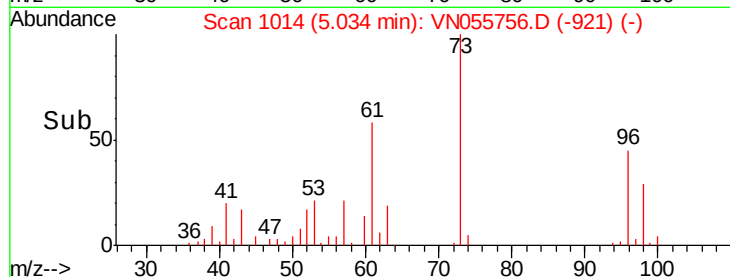
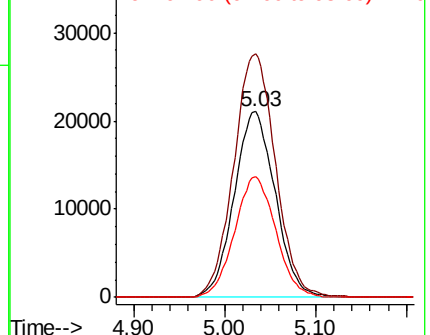
96 100

61 131.2 107.8 161.8

98 65.2 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.904 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Tgt Ion: 45 Resp: 207405

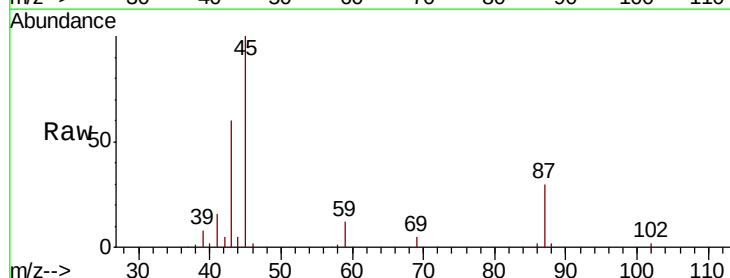
Ion Ratio Lower Upper

45 100

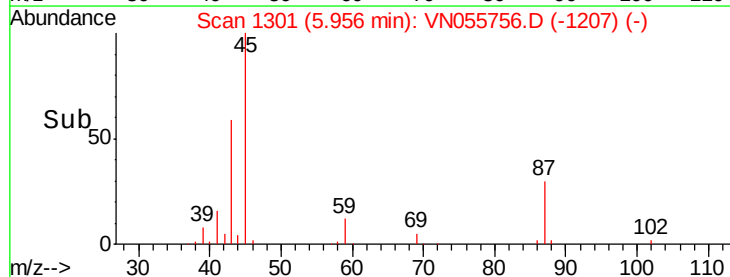
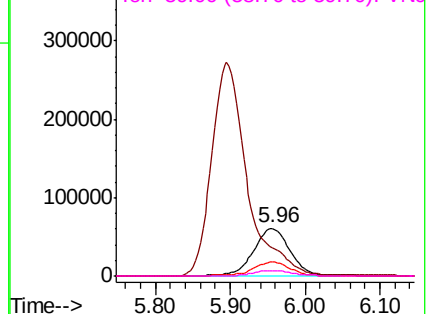
43 57.3 45.0 67.6

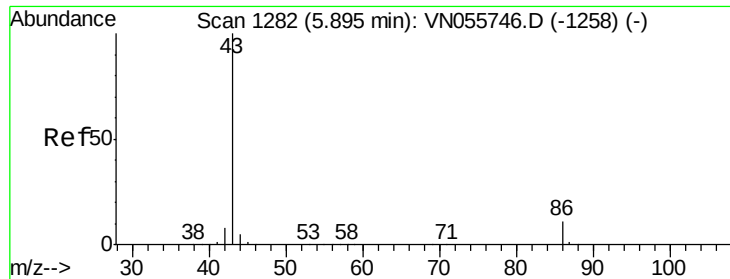
87 29.5 22.2 33.4

59 11.8 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 95.865 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

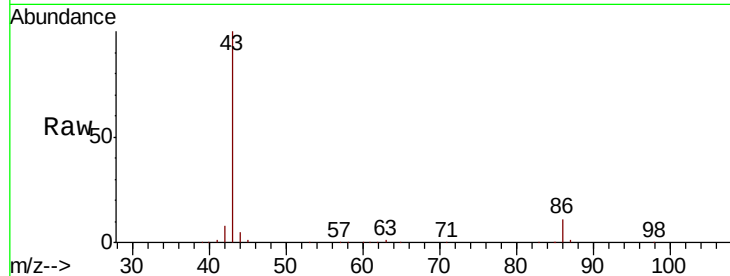
ClientSampleId :

Tot Ion: 43 Resp: 901784

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN055746.D (-1258) (-)

5.90

300000

250000

200000

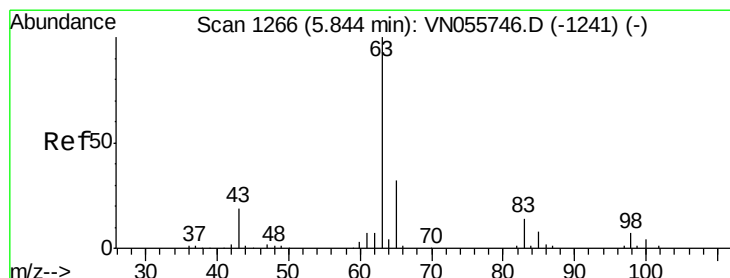
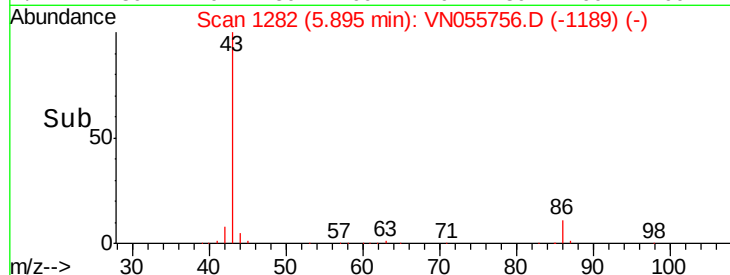
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.990 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

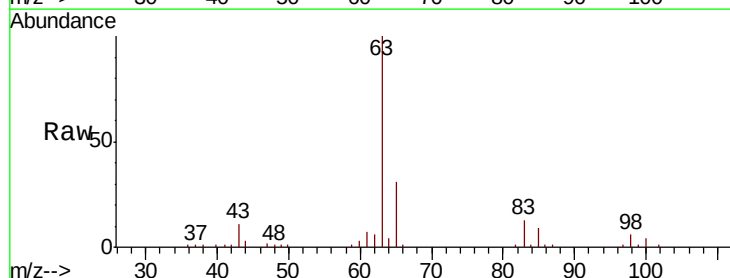
Tgt Ion: 63 Resp: 121304

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055746.D (-1241) (-)

5.84

50000

40000

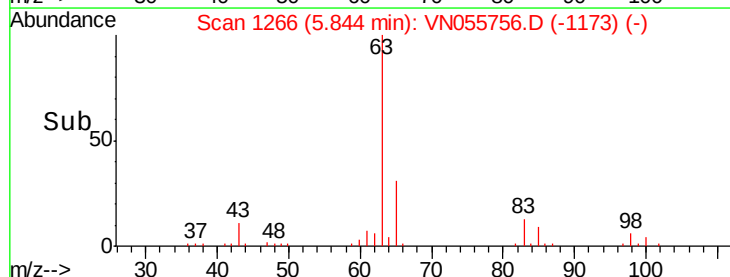
30000

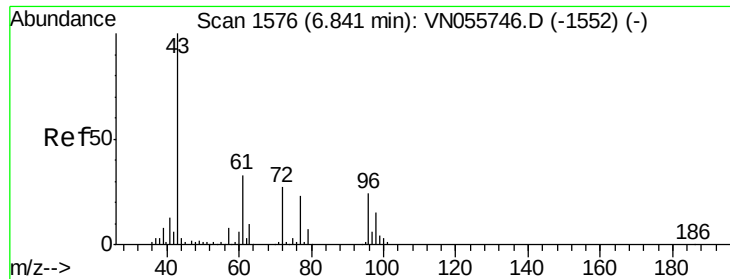
20000

10000

0

Time-->

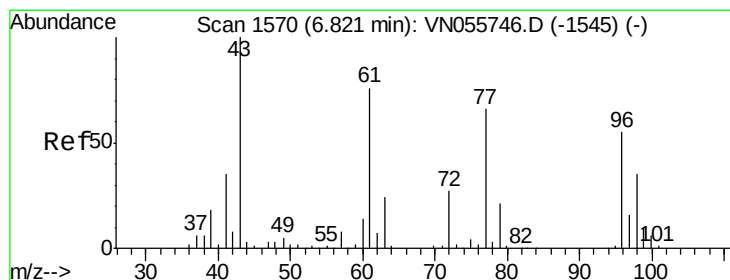
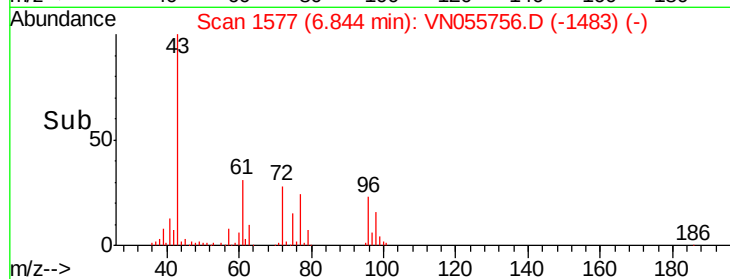
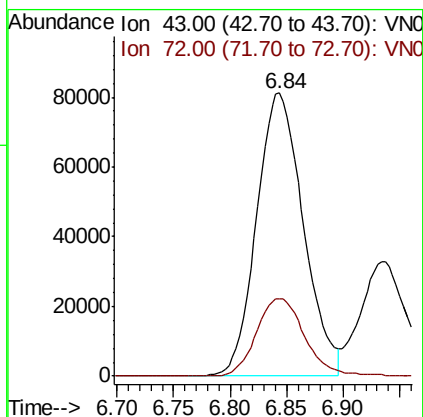
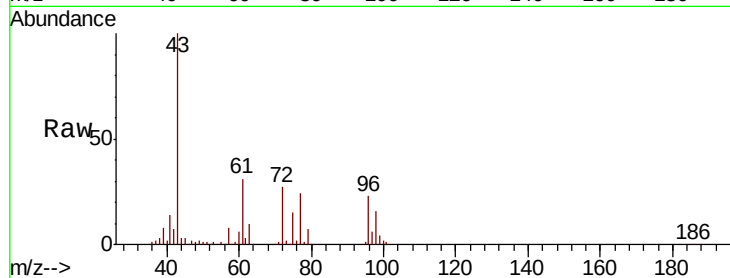




#25
2-Butanone
Concen: 94.461 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

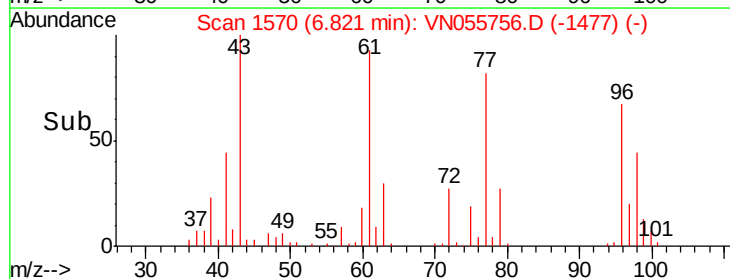
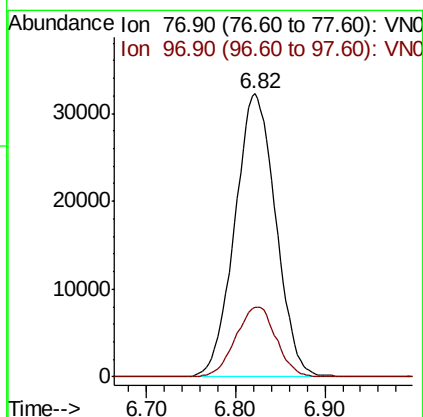
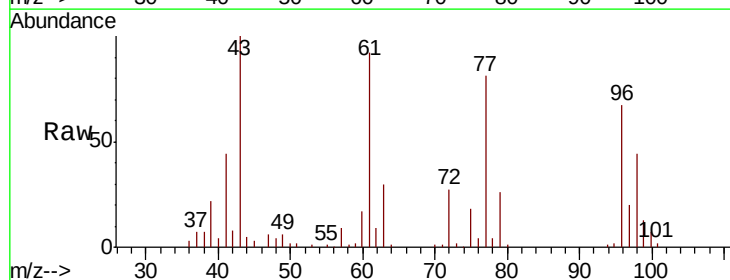
Instrument :
MSVOA_N
ClientSampled :

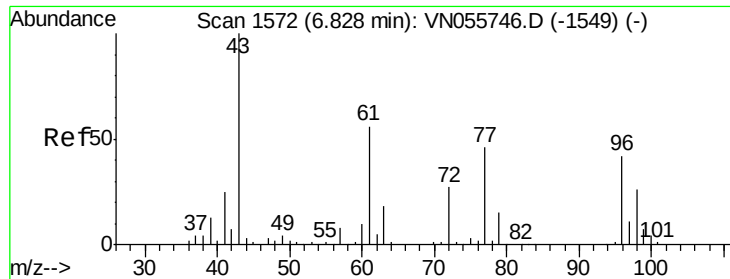
Tot Ion: 43 Resp: 231709
Ion Ratio Lower Upper
43 100
72 27.5 21.9 32.9



#26
2,2-Dichloropropane
Concen: 18.578 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion: 77 Resp: 102707
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.333 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :
MSVOA_N
ClientSampled :

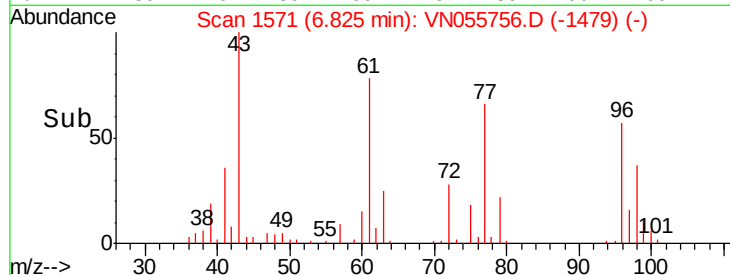
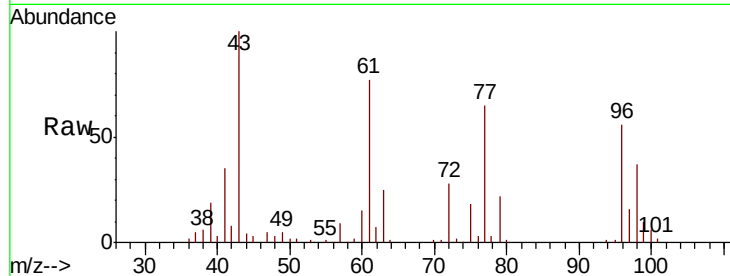
Tot Ion: 96 Resp: 79734

Ion Ratio Lower Upper

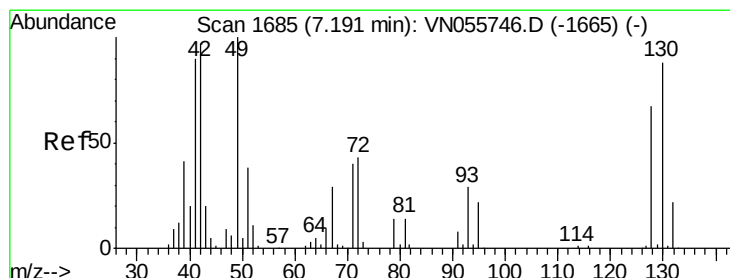
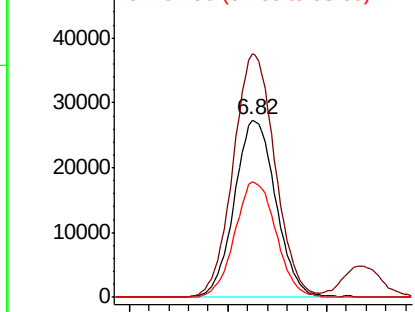
96 100

61 138.7 0.0 275.8

98 64.6 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: 19.991 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

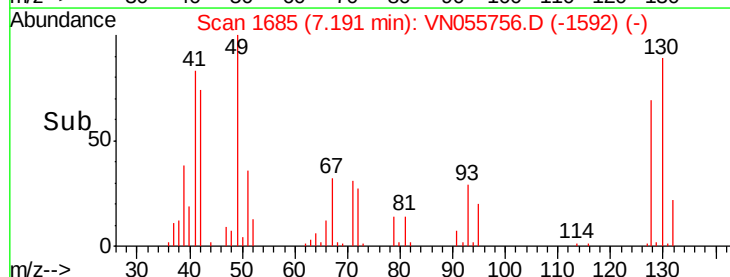
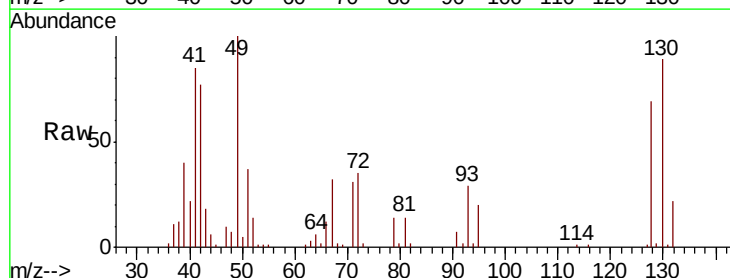
Tgt Ion: 49 Resp: 60800

Ion Ratio Lower Upper

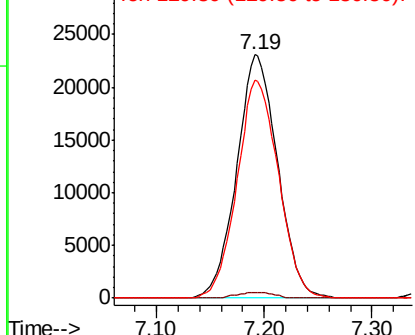
49 100

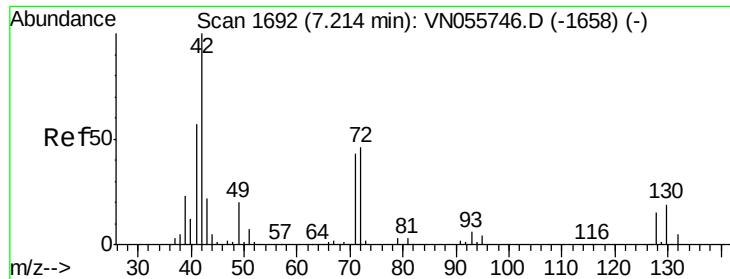
129 2.0 0.0 4.4

130 90.6 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

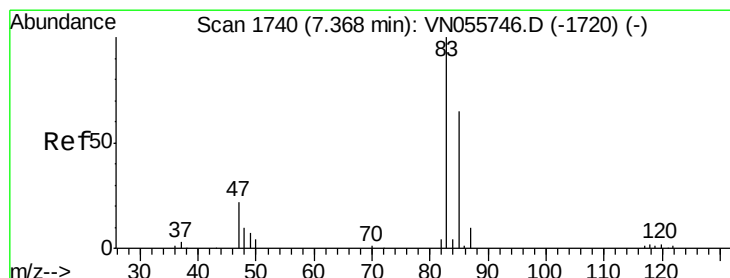
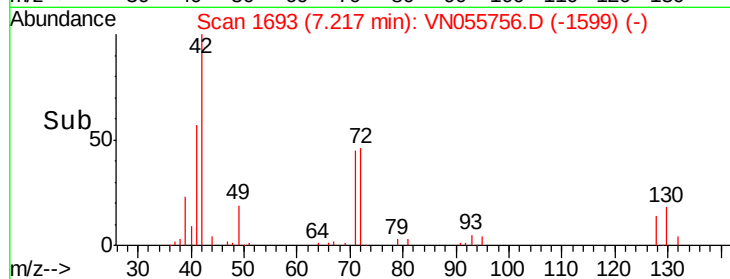
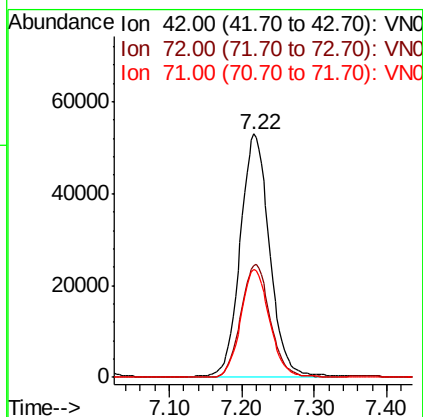
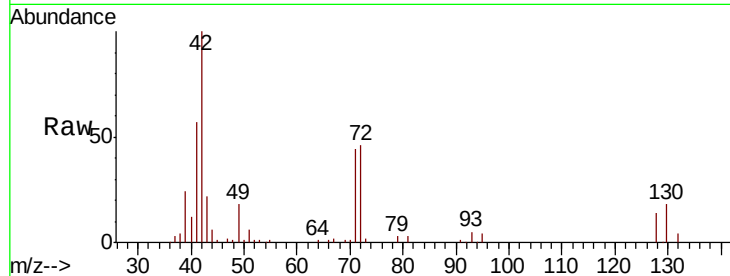




#29
Tetrahydrofuran
Concen: 96.612 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

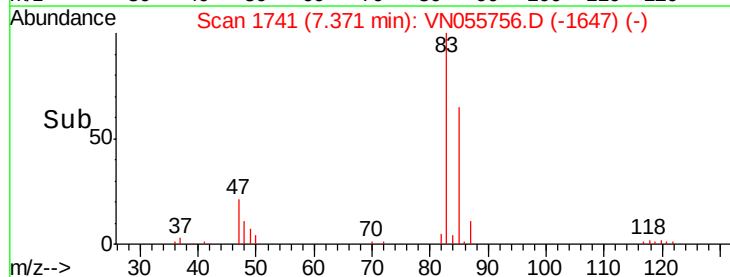
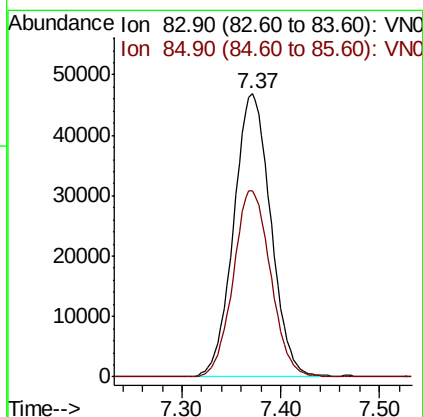
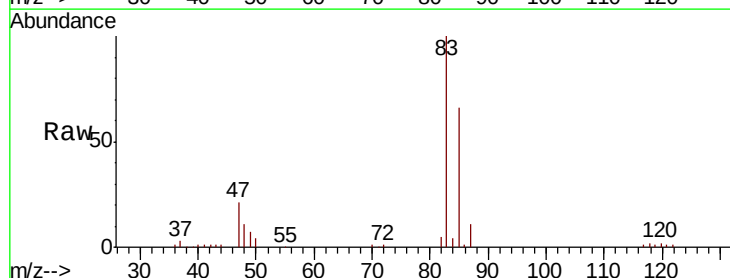
Instrument :
MSVOA_N
ClientSampleId :

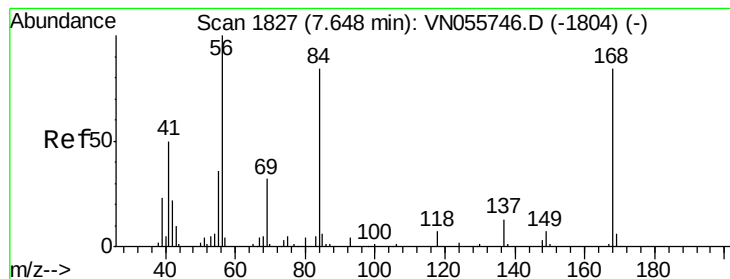
Tot Ion: 42 Resp: 150076
Ion Ratio Lower Upper
42 100
72 45.9 35.9 53.9
71 43.4 34.0 51.0



#30
Chloroform
Concen: 19.200 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion: 83 Resp: 122316
Ion Ratio Lower Upper
83 100
85 65.7 51.8 77.8





#31

Cyclohexane

Concen: 18.885 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :

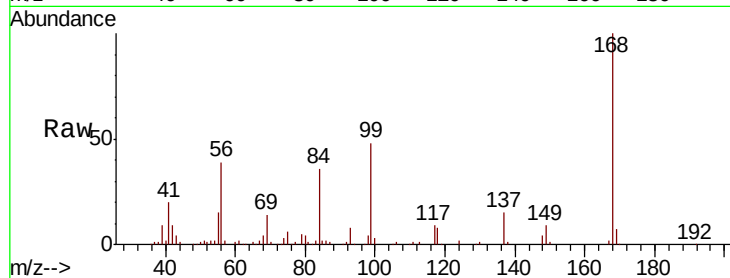
Tot Ion: 56 Resp: 113263

Ion Ratio Lower Upper

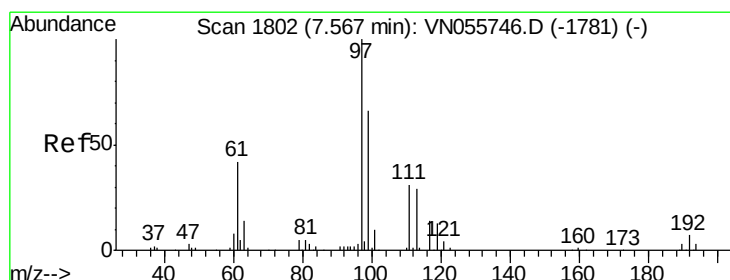
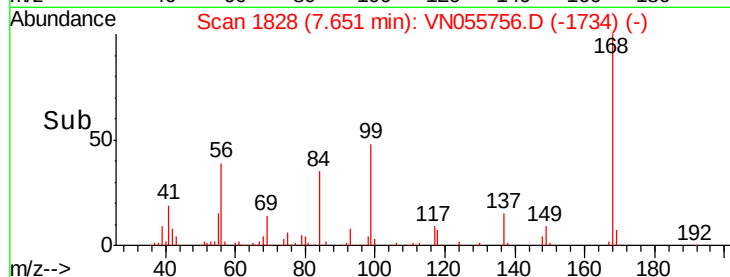
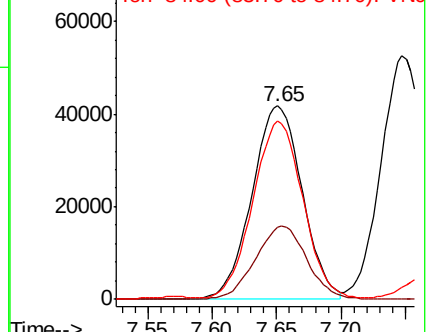
56 100

69 37.2 25.6 38.4

84 91.6 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: 19.459 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

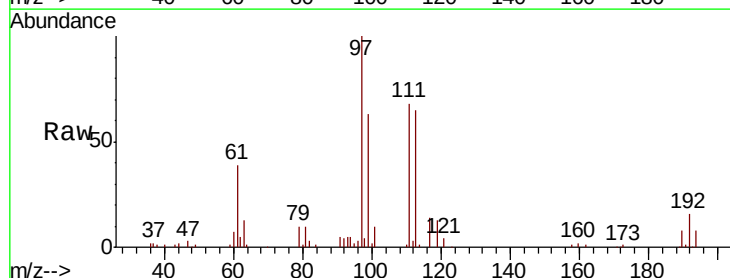
Tgt Ion: 97 Resp: 110622

Ion Ratio Lower Upper

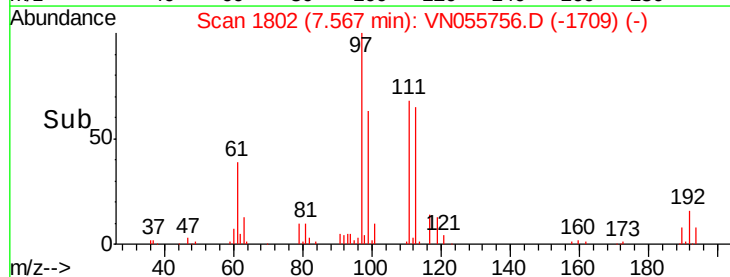
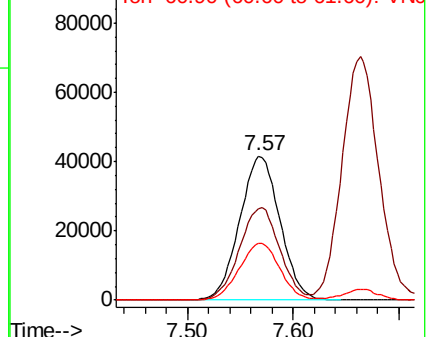
97 100

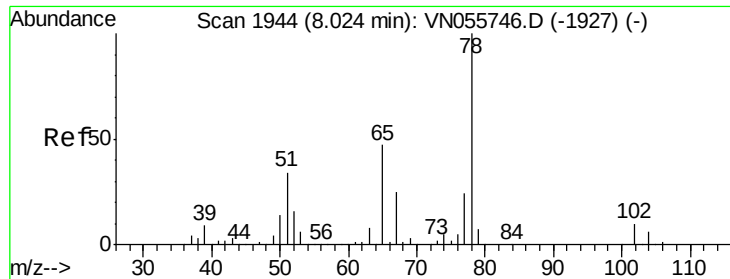
99 64.2 52.0 78.0

61 39.7 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

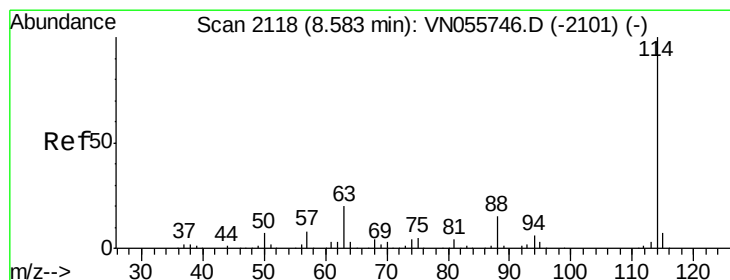
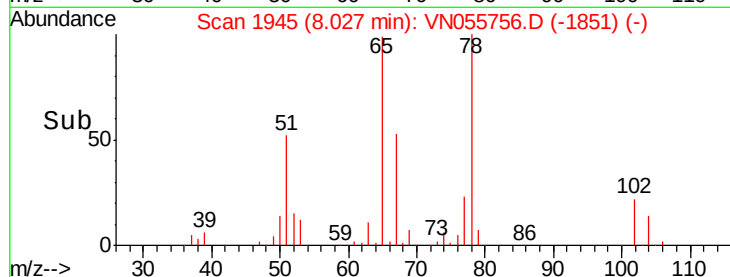
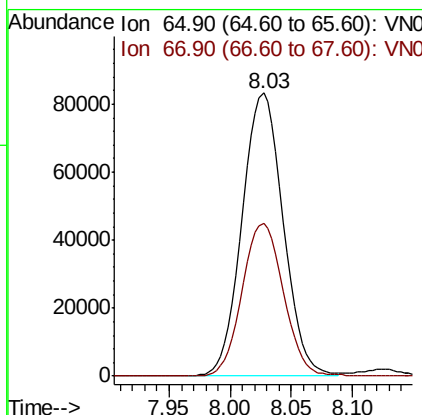
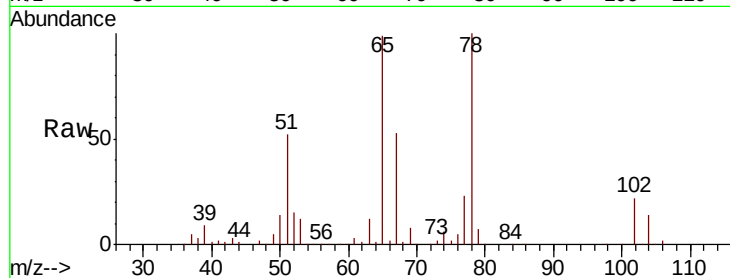




#33
 1,2-Dichloroethane-d4
 Concen: 48.669 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

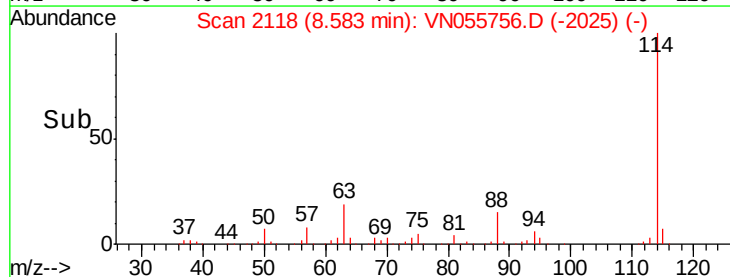
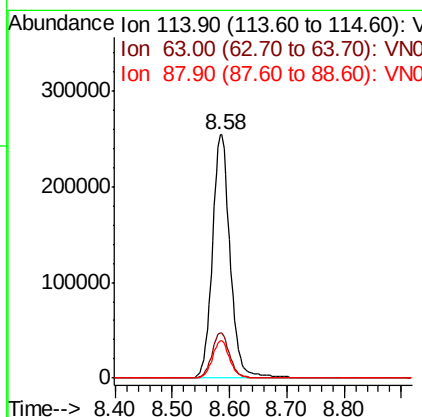
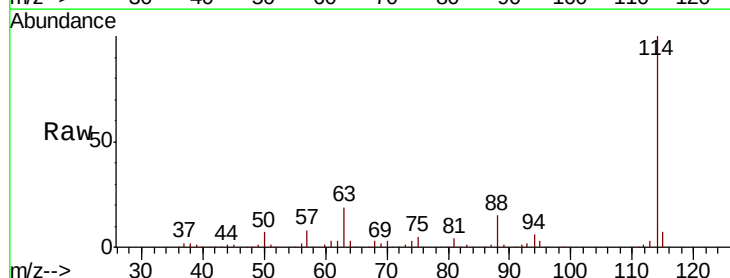
Instrument :
 MSVOA_N
 ClientSampleId :

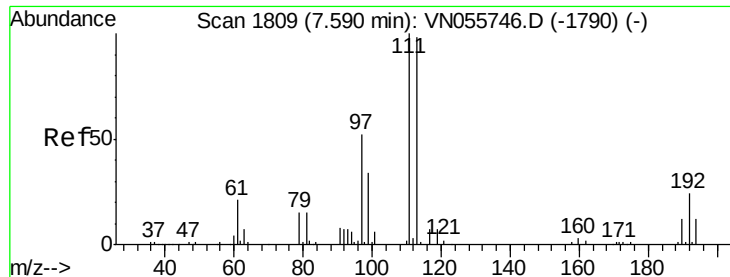
Tot Ion: 65 Resp: 194465
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion: 114 Resp: 547403
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 15.4 0.0 31.0

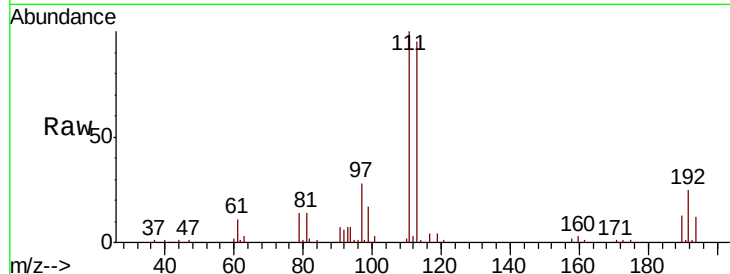




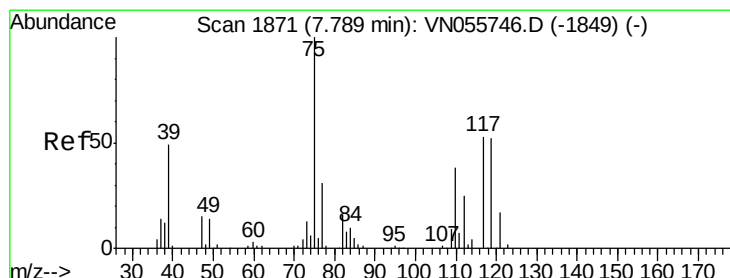
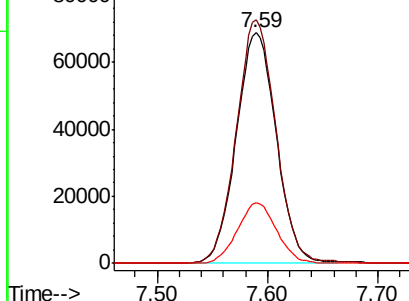
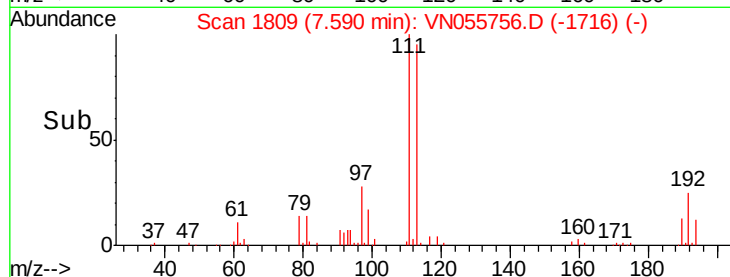
#35
 Dibromofluoromethane
 Concen: 49.979 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.9	122.9
192	25.7	19.5	29.3

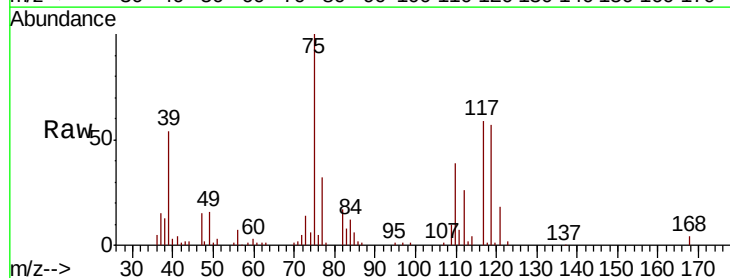


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

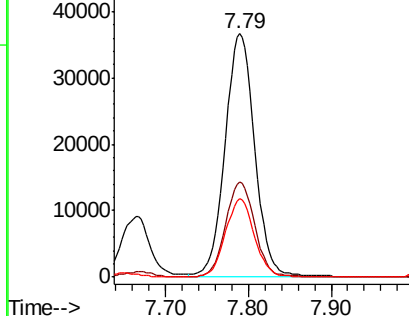
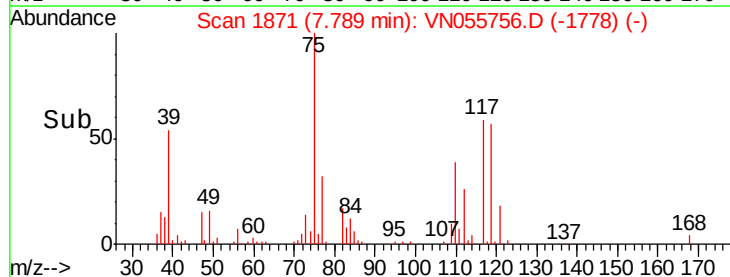


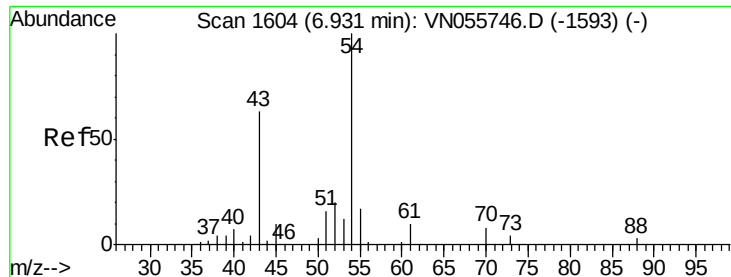
#36
 1,1-Dichloropropene
 Concen: 19.179 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.0	57.0
77	31.3	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

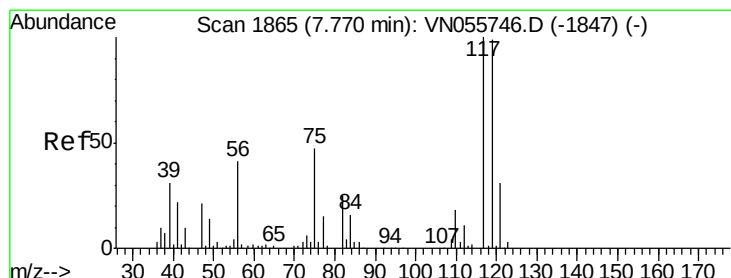
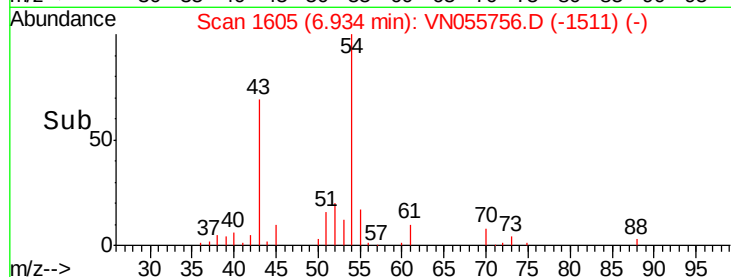
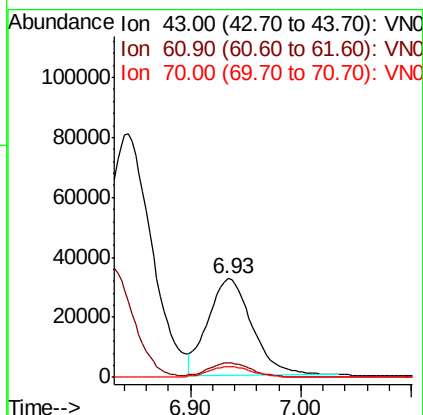
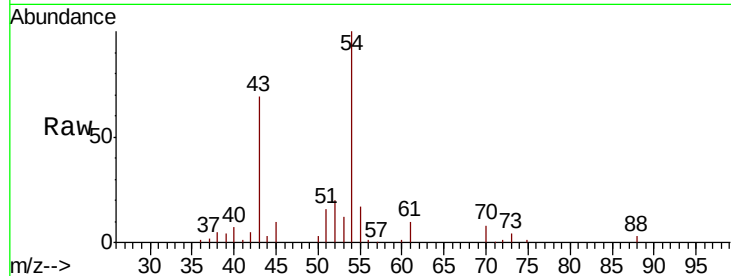




#37
Ethyl Acetate
Concen: 19.650 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

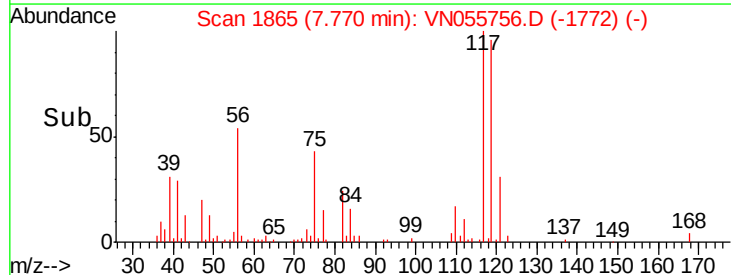
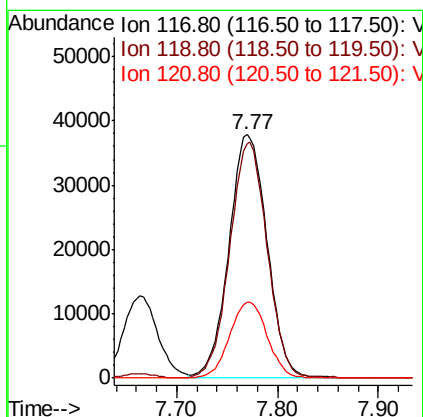
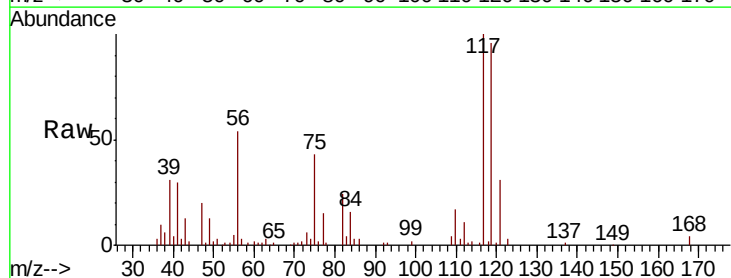
Instrument :
MSVOA_N
ClientSampled :

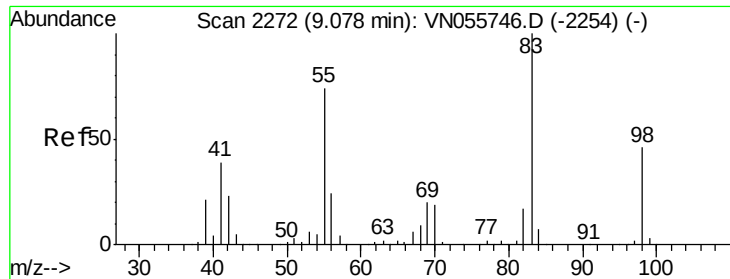
Tot Ion: 43 Resp: 90597
Ion Ratio Lower Upper
43 100
61 15.4 12.2 18.2
70 10.9 8.9 13.3



#38
Carbon Tetrachloride
Concen: 20.009 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion: 117 Resp: 99425
Ion Ratio Lower Upper
117 100
119 96.3 79.0 118.6
121 31.0 24.7 37.1

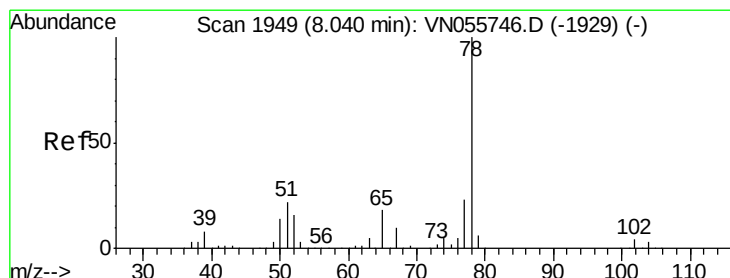
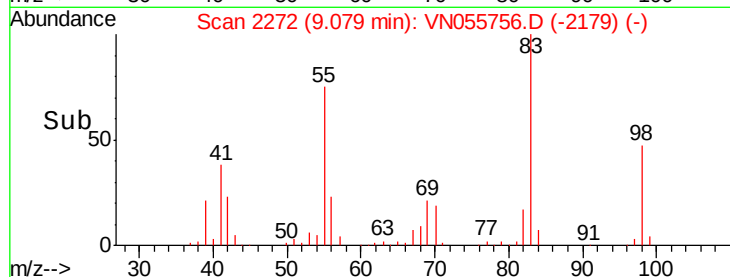
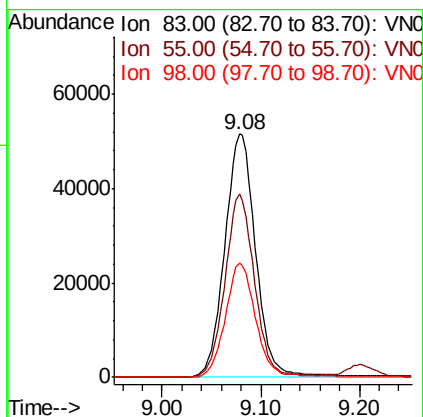
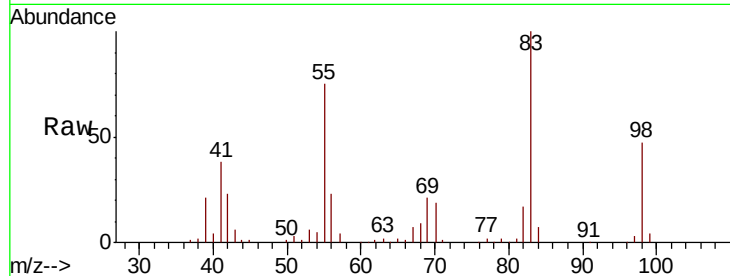




#39
Methylvlcyclohexane
Concen: 19.069 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

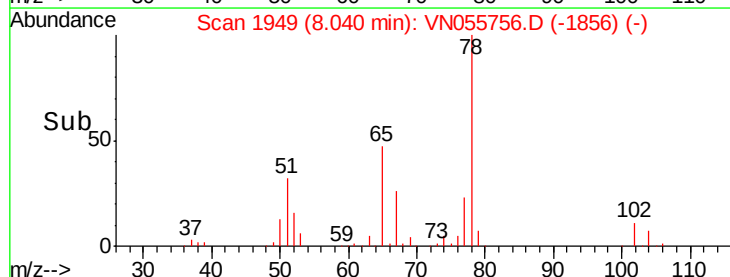
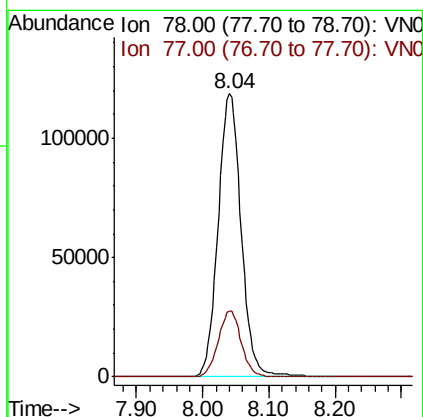
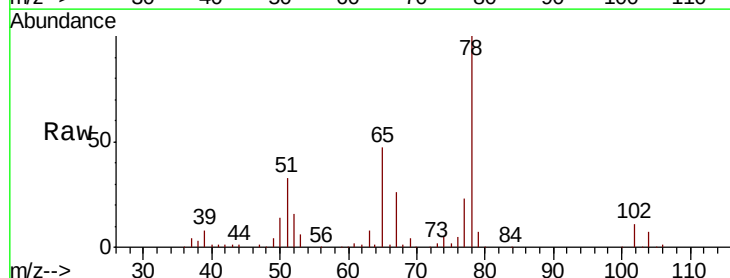
Instrument :
MSVOA_N
ClientSampled :

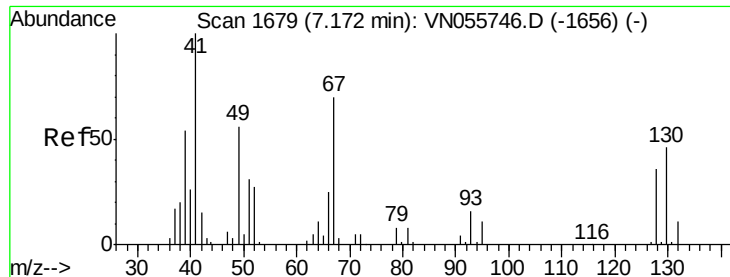
Tot Ion: 83 Resp: 112647
Ion Ratio Lower Upper
83 100
55 75.2 59.3 88.9
98 46.9 36.6 54.8



#40
Benzene
Concen: 19.898 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion: 78 Resp: 286072
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

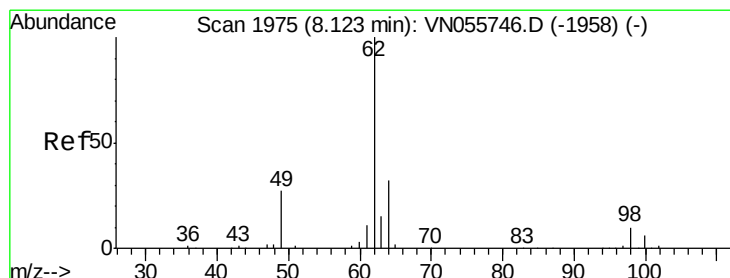
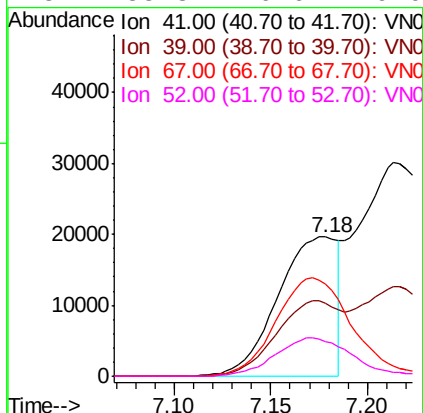
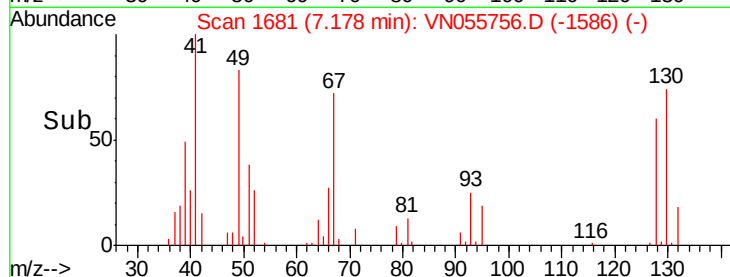
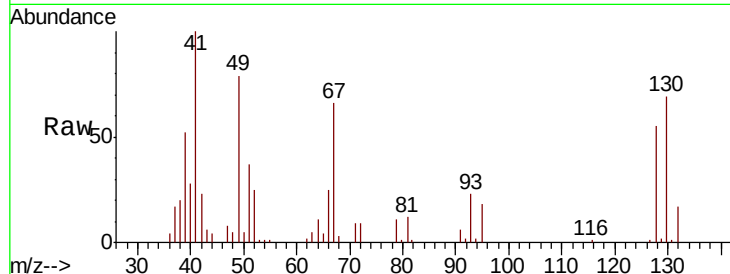




#41
Methacrylonitrile
Concen: 18.078 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

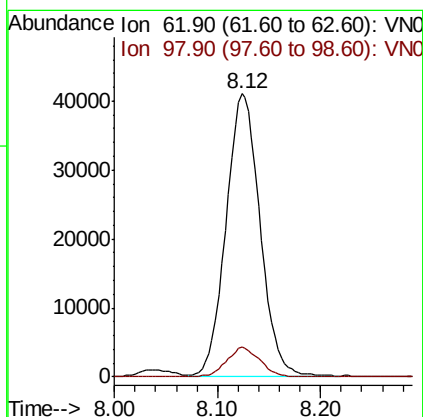
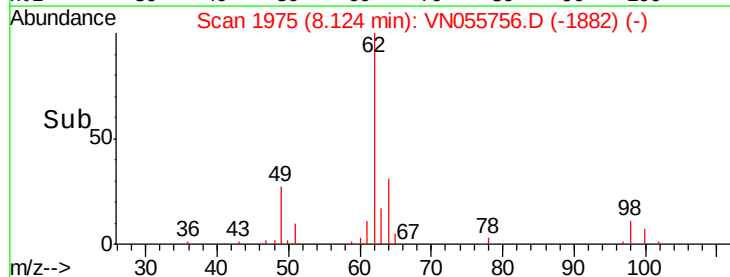
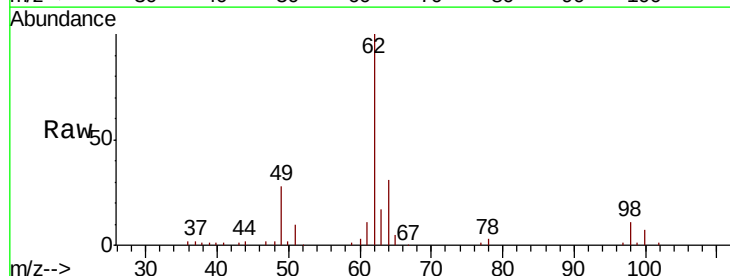
Instrument :
MSVOA_N
ClientSampleId :

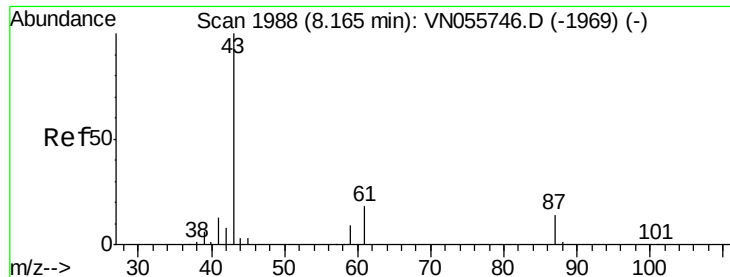
Tot Ion: 41 Resp: 42108
Ion Ratio Lower Upper
41 100
39 58.2 45.6 68.4
67 89.9 67.7 101.5
52 35.8 26.6 40.0



#42
1,2-Dichloroethane
Concen: 20.168 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion: 62 Resp: 94748
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 19.220 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

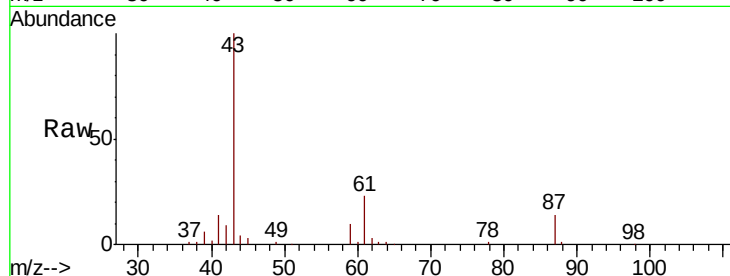
Tot Ion: 43 Resp: 148887

Ion Ratio Lower Upper

43 100

61 28.2 22.2 33.4

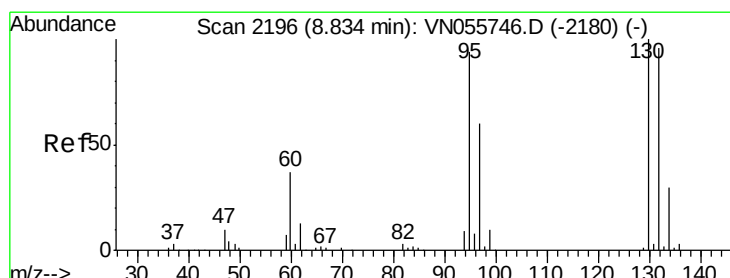
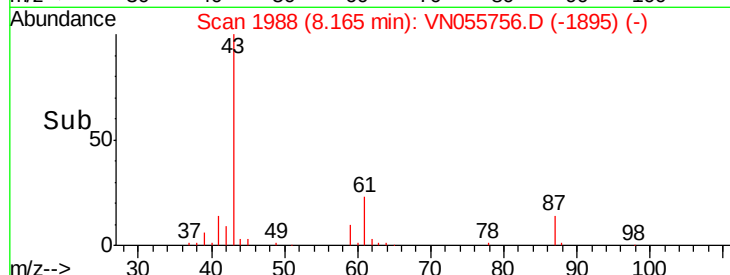
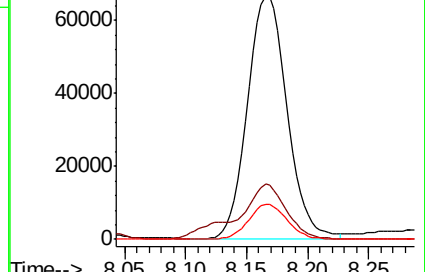
87 14.2 11.4 17.2



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: 20.389 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055756.D

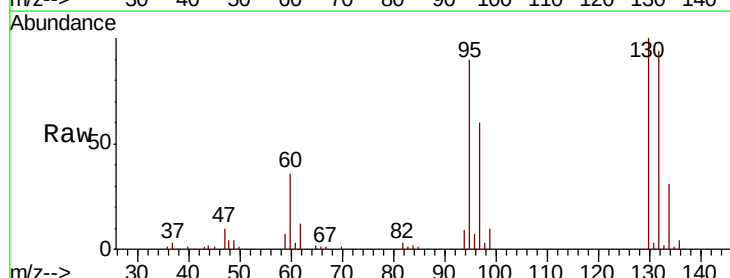
Acq: 23 May 2019 16:21

Tgt Ion: 130 Resp: 81719

Ion Ratio Lower Upper

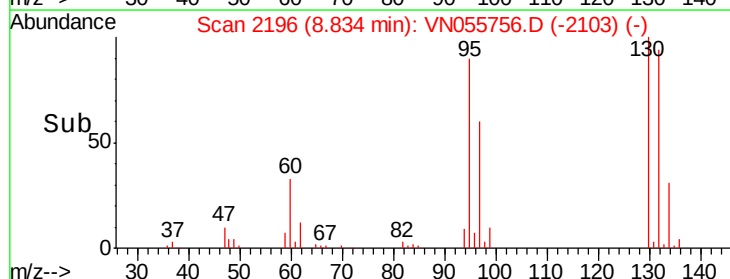
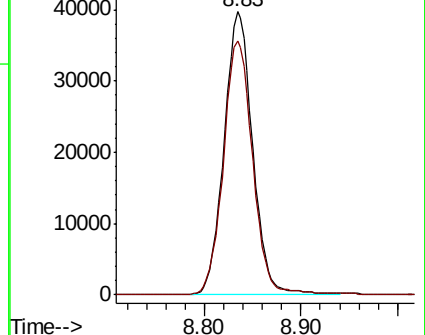
130 100

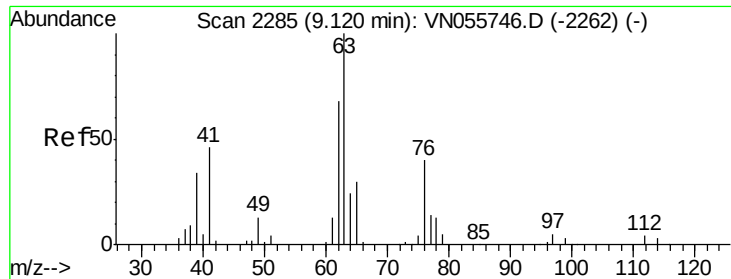
95 89.9 0.0 188.0



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

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

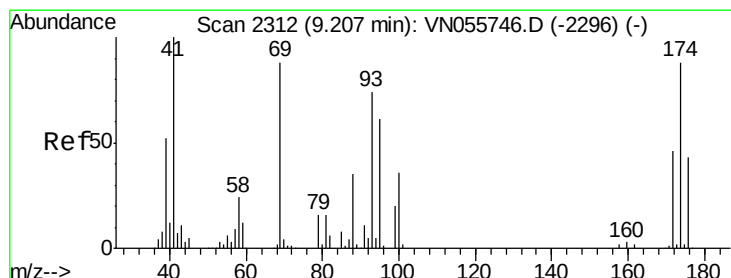
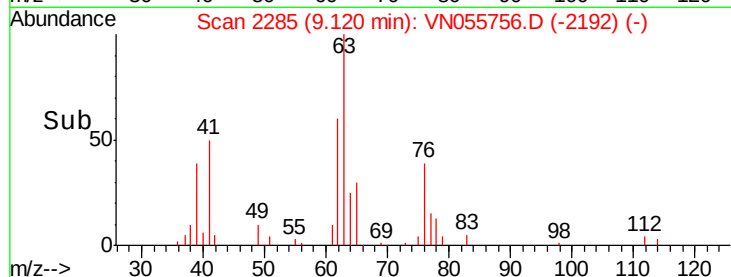
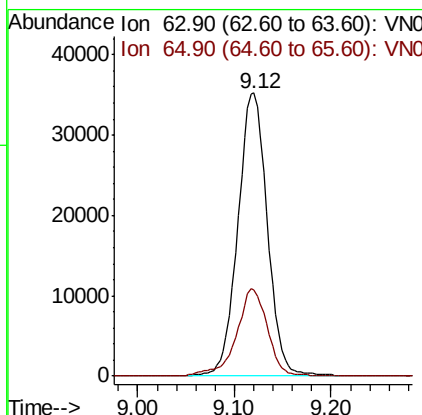
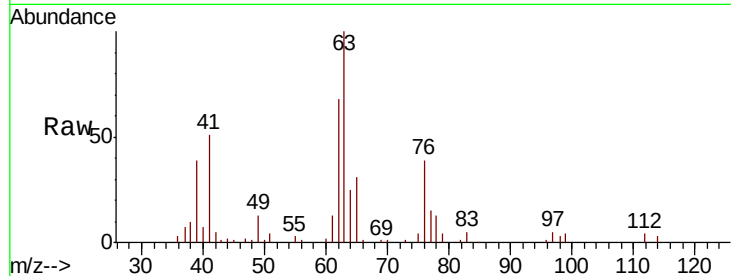




#45
 1,2-Dichloropropane
 Concen: 19.972 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

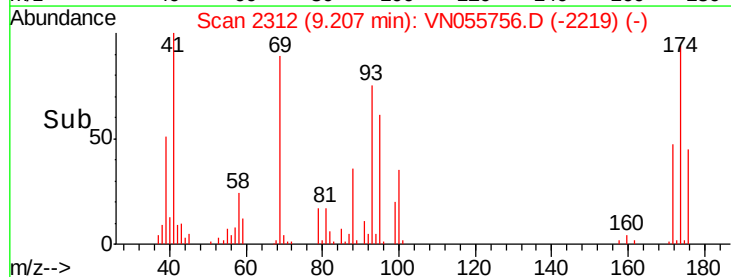
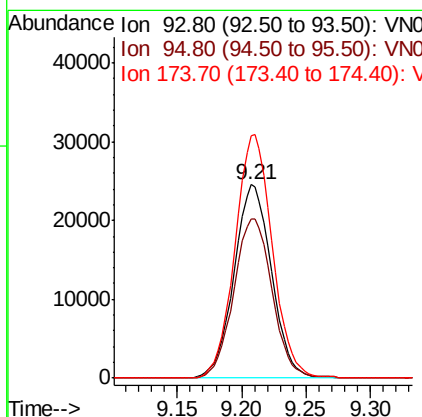
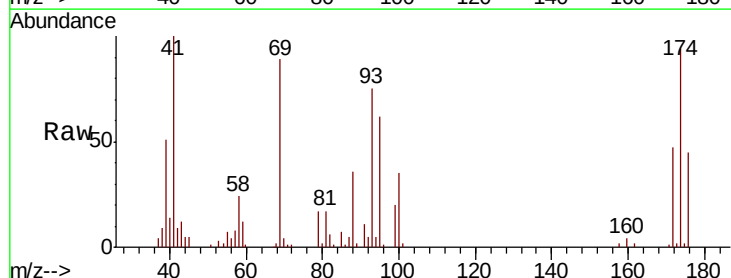
Instrument :
 MSVOA_N
 ClientSampleId :

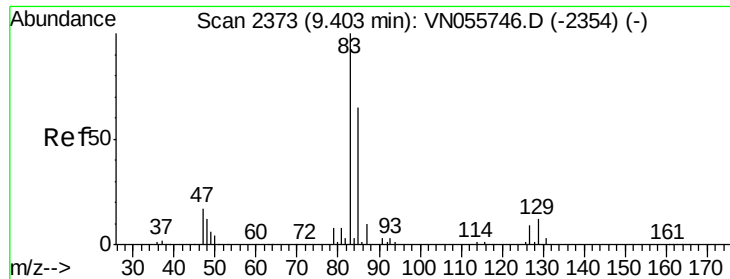
Tot Ion: 63 Resp: 74810
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8



#46
 Dibromomethane
 Concen: 20.233 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion: 93 Resp: 49703
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 125.0 96.4 144.6





#47

Bromodichloromethane

Concen: 19.698 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

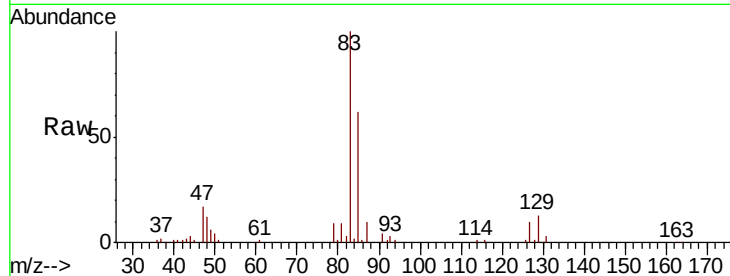
Tot Ion: 83 Resp: 99224

Ion Ratio Lower Upper

83 100

85 61.8 52.2 78.2

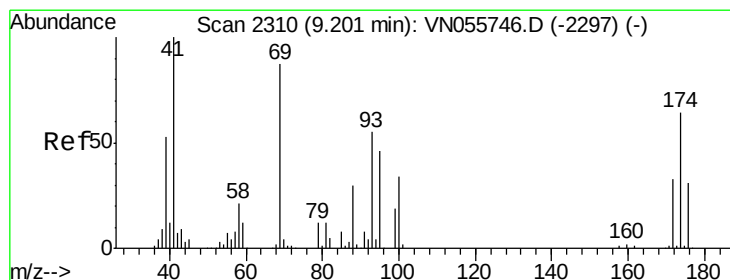
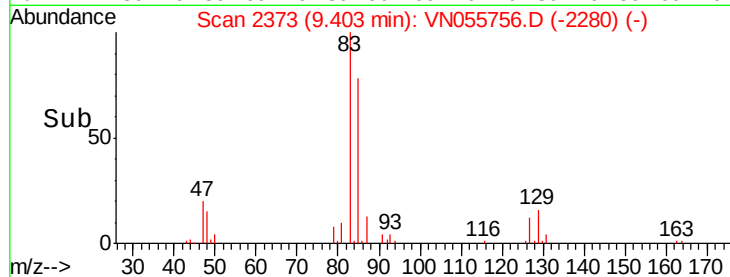
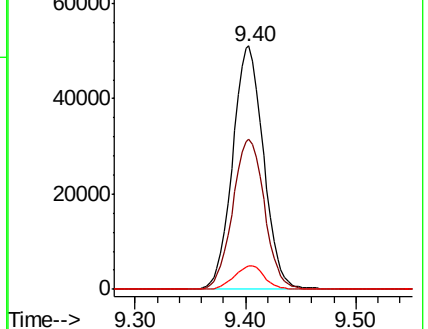
127 9.8 7.4 11.0



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

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

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



#48

Methyl methacrylate

Concen: 20.072 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

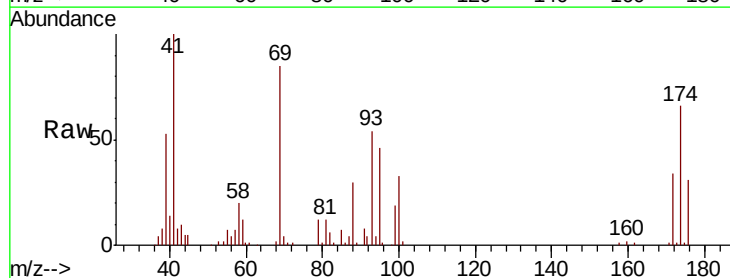
Tgt Ion: 41 Resp: 71661

Ion Ratio Lower Upper

41 100

69 87.9 71.0 106.6

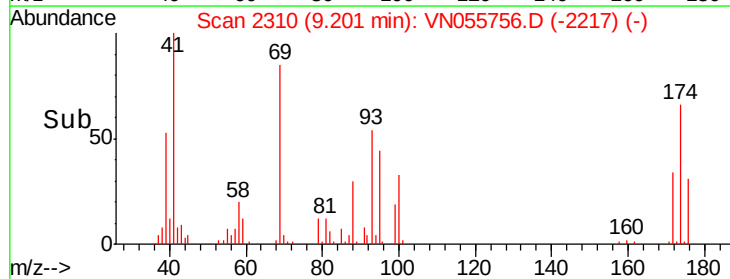
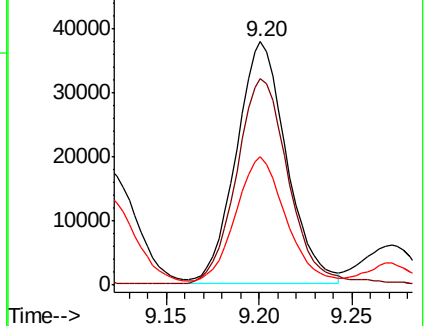
39 53.5 44.2 66.2

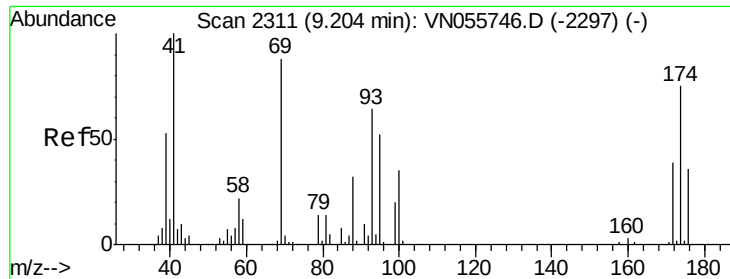


Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

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

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





#49

1,4-Dioxane

Concen: 404.276 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

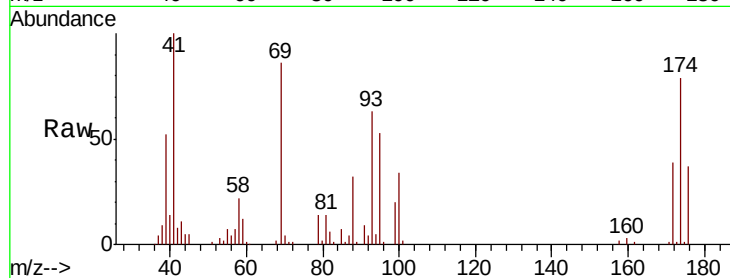
Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 29994

Ion	Ratio	Lower	Upper
88	100		
43	26.1	20.5	30.7
58	61.9	55.8	83.6

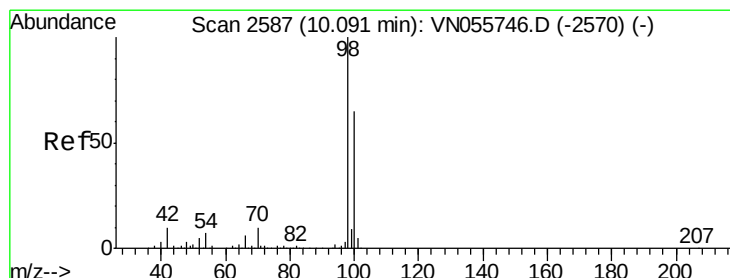
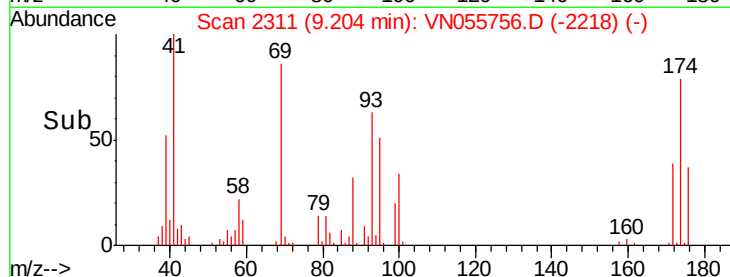
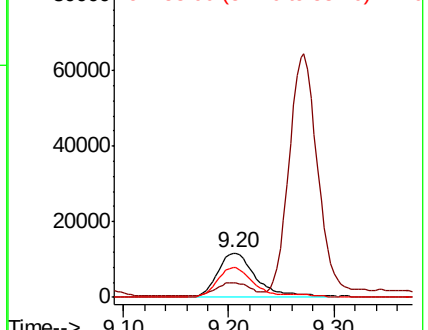


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.593 ug/l

RT: 10.09 min Scan# 2586

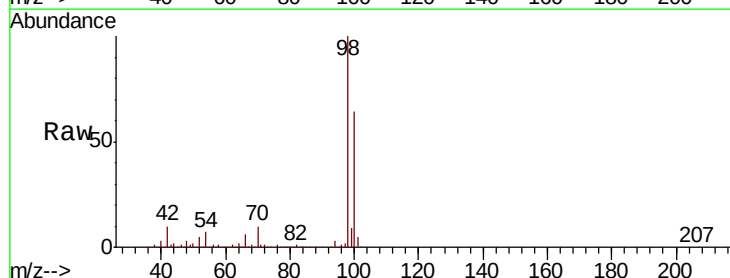
Delta R.T. -0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Tgt Ion: 98 Resp: 658368

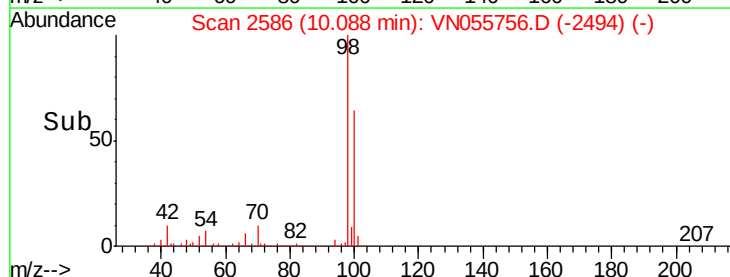
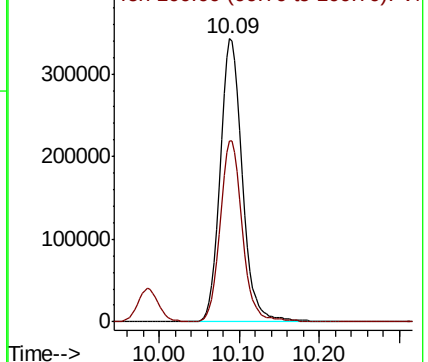
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.9	77.9

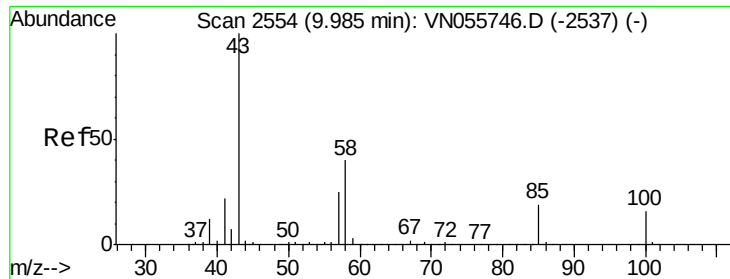


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 99.717 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

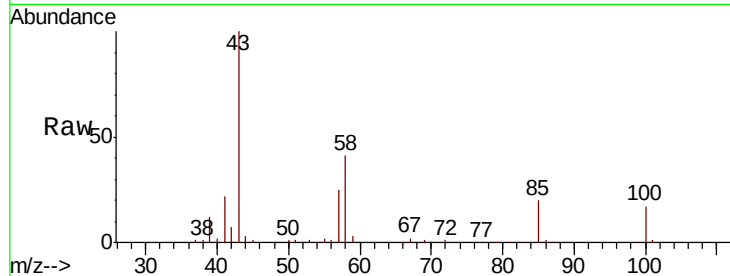
ClientSampled :

Tot Ion: 43 Resp: 456217

Ion Ratio Lower Upper

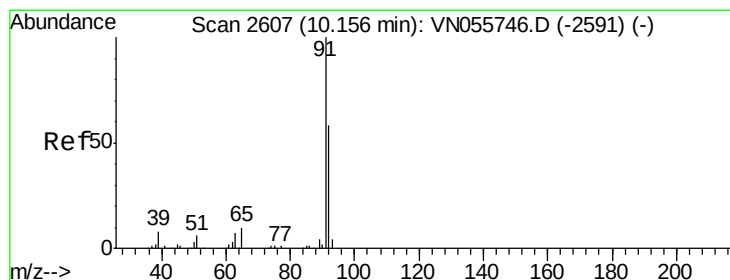
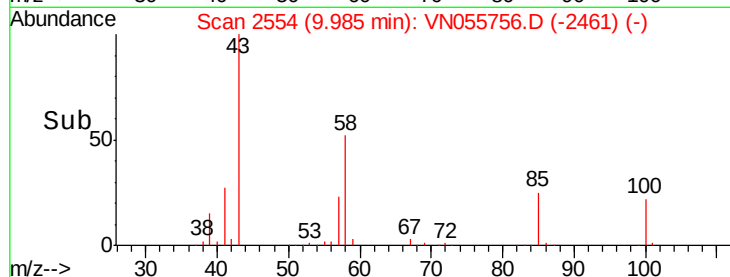
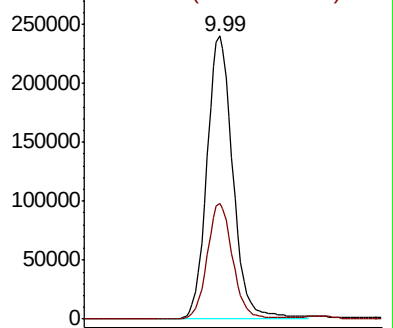
43 100

58 40.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.881 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055756.D

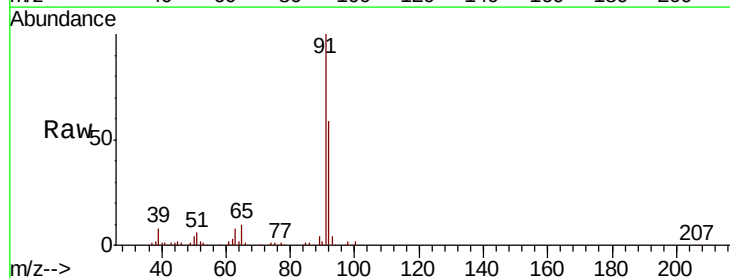
Acq: 23 May 2019 16:21

Tgt Ion: 92 Resp: 179764

Ion Ratio Lower Upper

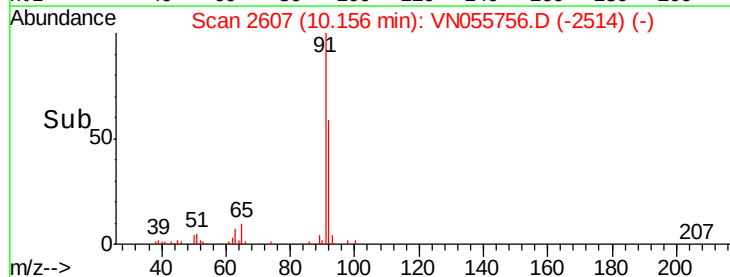
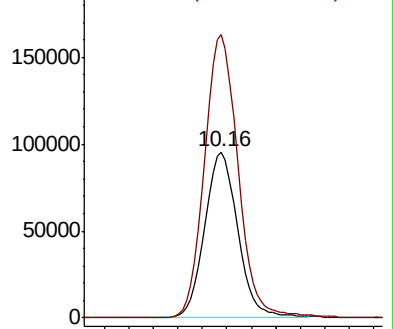
92 100

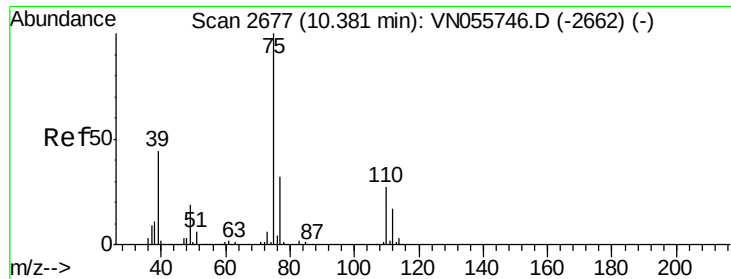
91 174.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.767 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

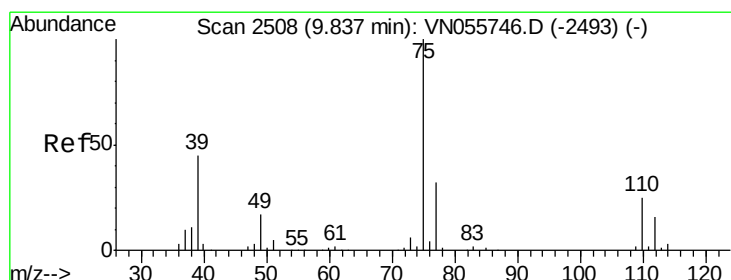
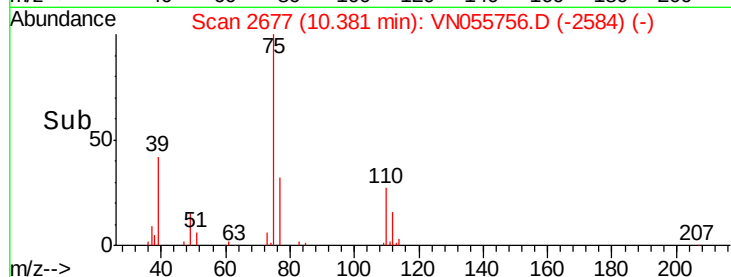
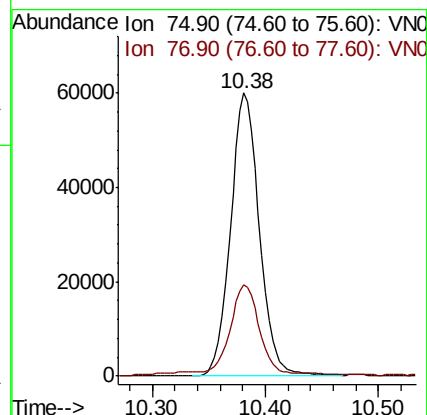
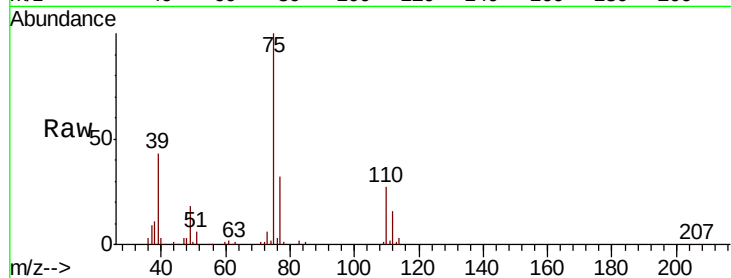
ClientSampleId :

Tot Ion: 75 Resp: 106287

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.703 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

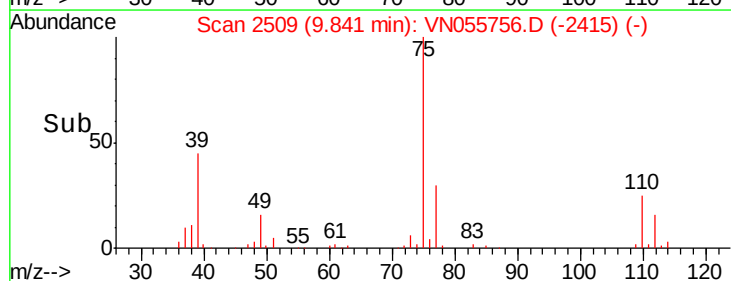
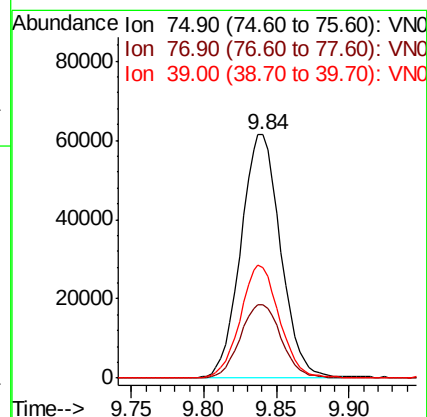
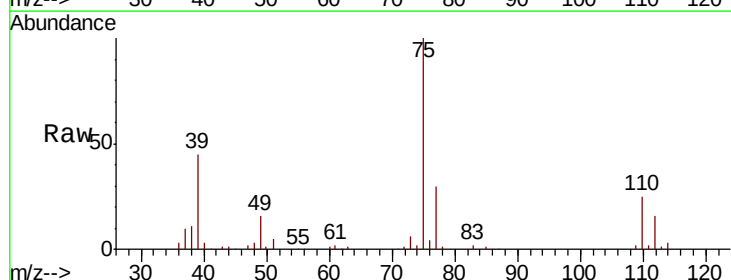
Tgt Ion: 75 Resp: 117364

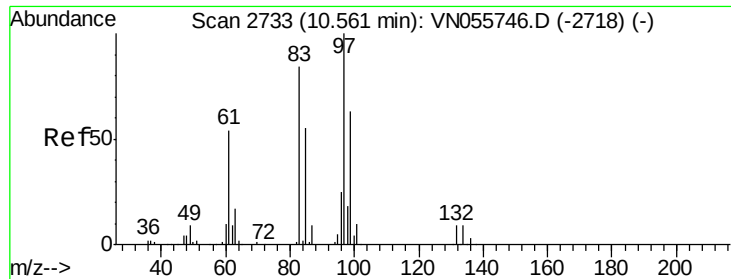
Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0

39 45.4 36.3 54.5

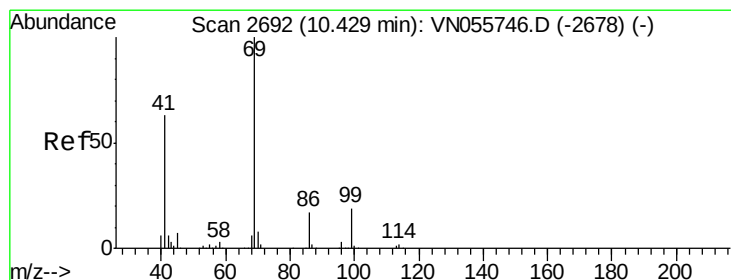
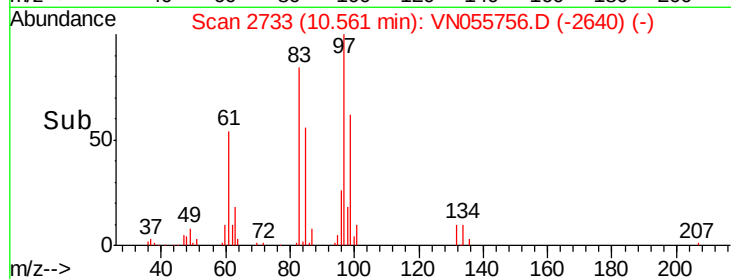
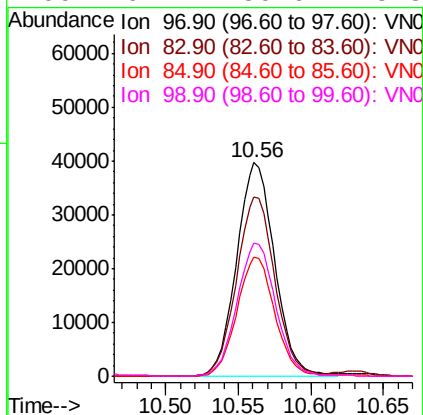
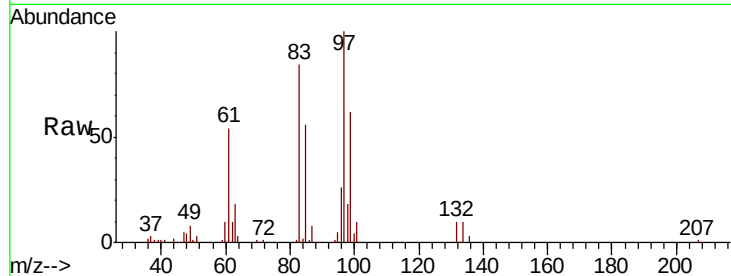




#55
 1,1,2-Trichloroethane
 Concen: 19.970 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

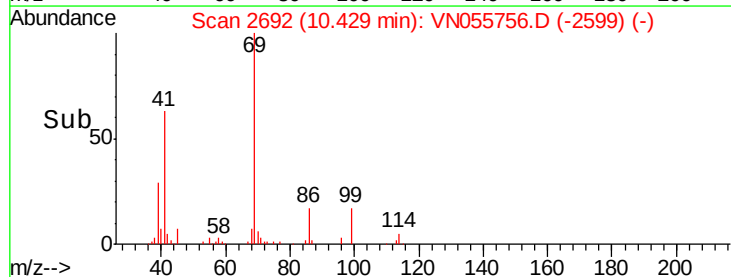
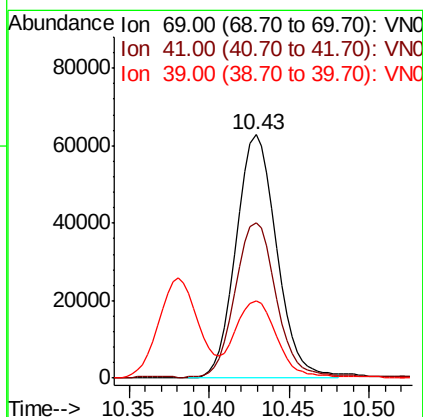
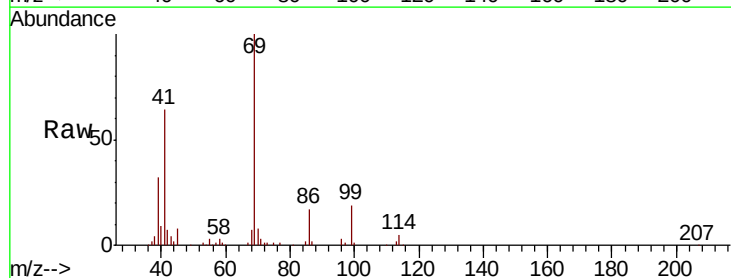
Instrument :
 MSVOA_N
 ClientSampleId :

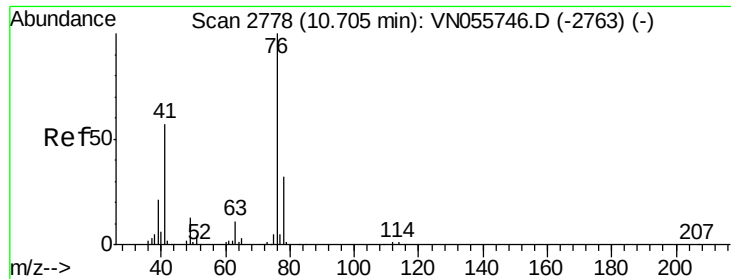
Tot Ion:	97	Resp:	72338
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.0	100.6
85	55.6	44.0	66.0
99	62.4	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 19.452 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion:	69	Resp:	108898
Ion	Ratio	Lower	Upper
69	100		
41	64.0	49.7	74.5
39	31.7	24.7	37.1

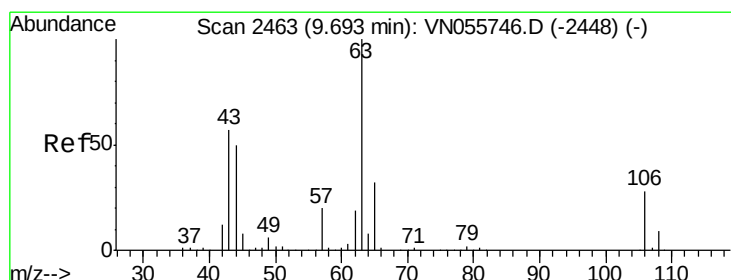
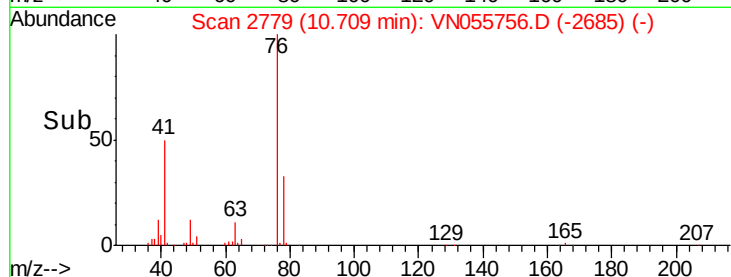
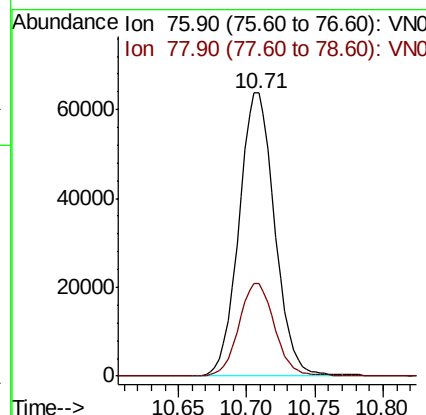
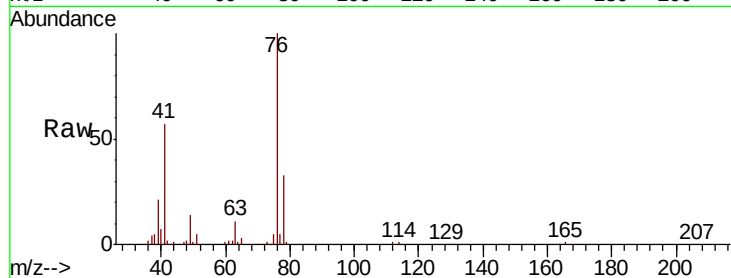




#57
 1,3-Dichloropropane
 Concen: 19.690 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

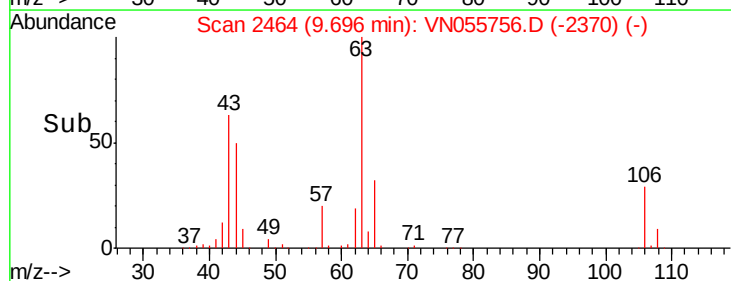
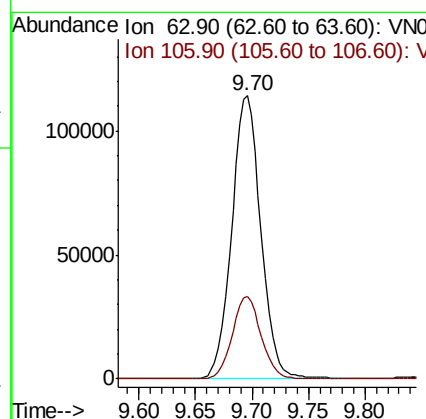
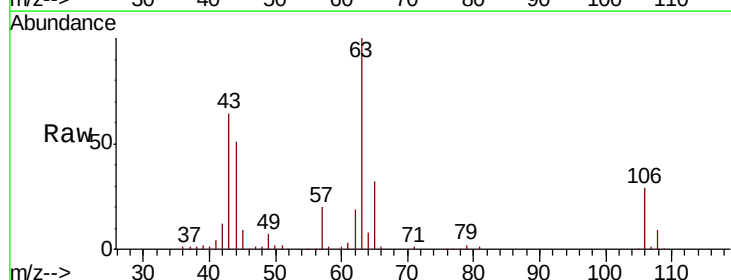
Instrument :
 MSVOA_N
 ClientSampled :

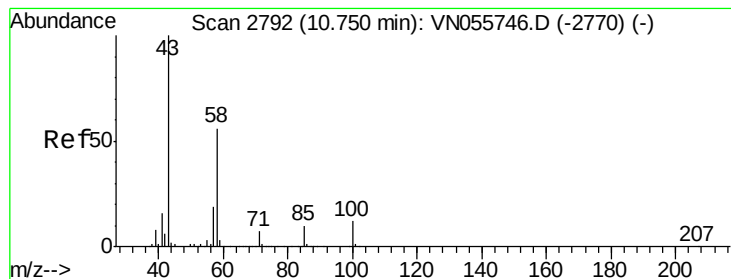
Tot Ion: 76 Resp: 115937
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.532 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion: 63 Resp: 204384
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.7 34.1





#59

2-Hexanone

Concen: 97.055 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

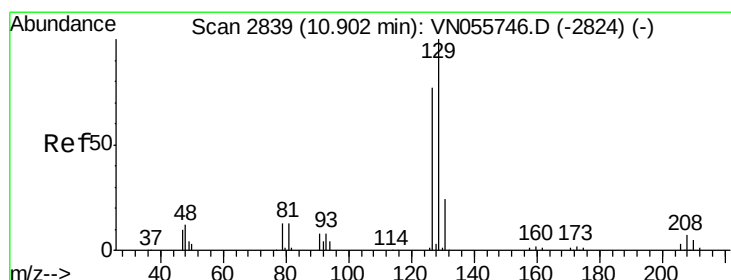
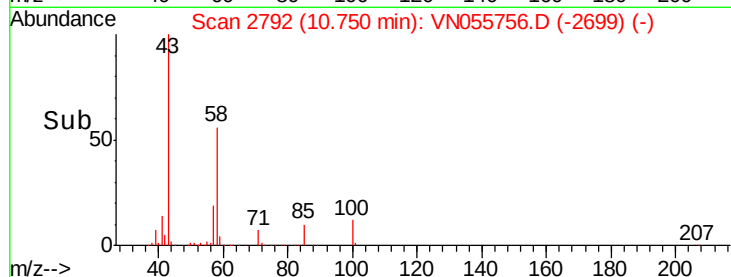
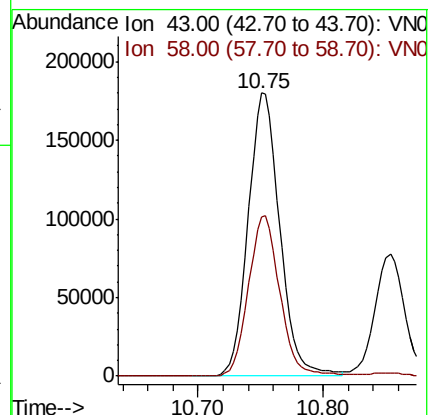
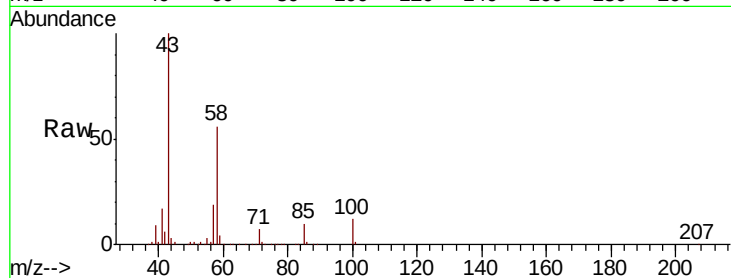
ClientSampled :

Tot Ion: 43 Resp: 315006

Ion Ratio Lower Upper

43 100

58 56.8 28.2 84.7



#60

Dibromochloromethane

Concen: 20.225 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055756.D

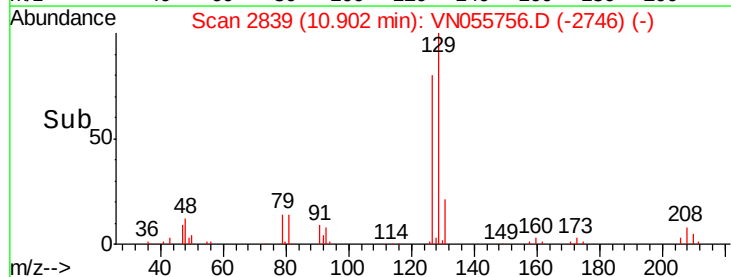
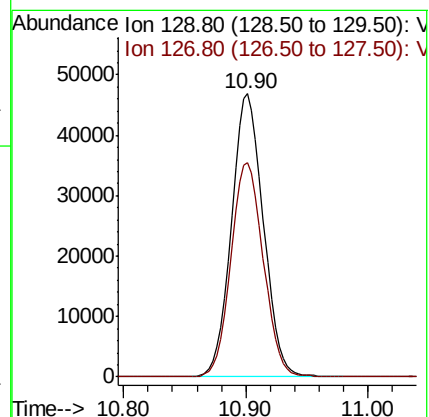
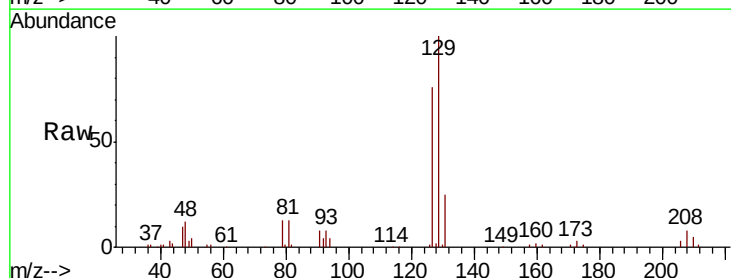
Acq: 23 May 2019 16:21

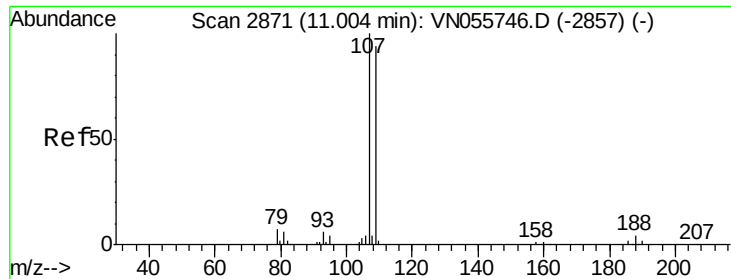
Tgt Ion: 129 Resp: 85348

Ion Ratio Lower Upper

129 100

127 76.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.245 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

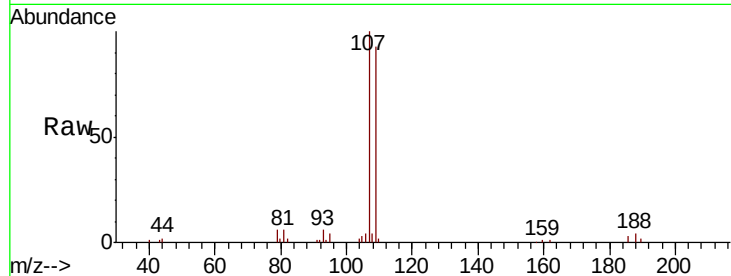
ClientSampleId :

Tot Ion:107 Resp: 76066

Ion Ratio Lower Upper

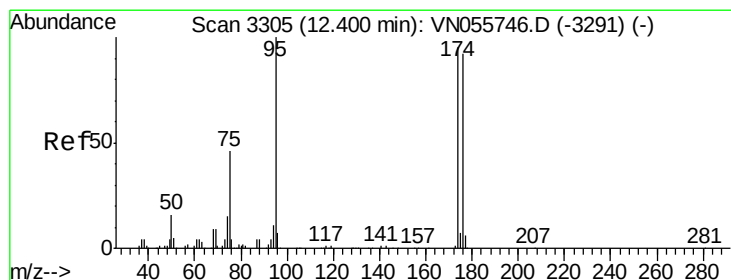
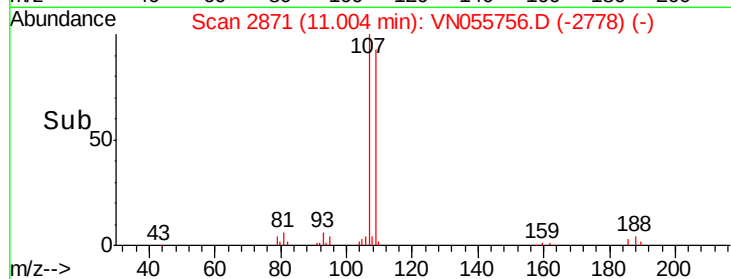
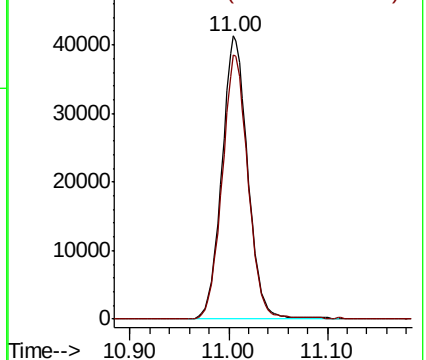
107 100

109 93.1 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: 48.198 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

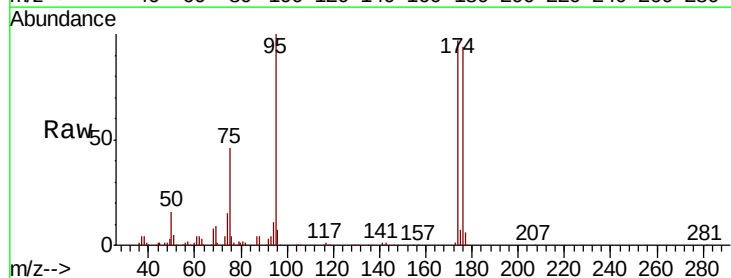
Tgt Ion: 95 Resp: 219401

Ion Ratio Lower Upper

95 100

174 97.0 0.0 191.0

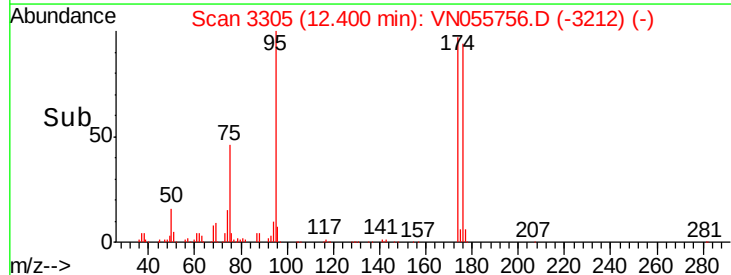
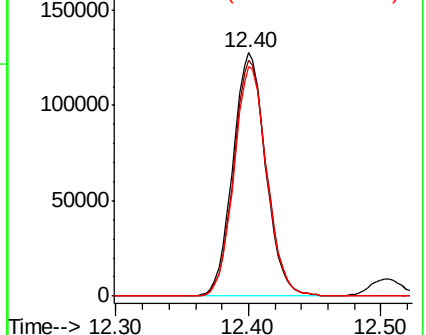
176 94.2 0.0 185.2

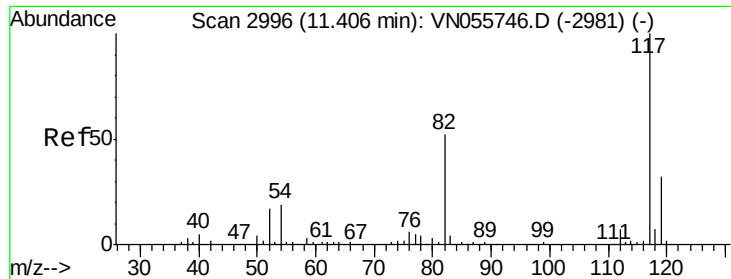


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

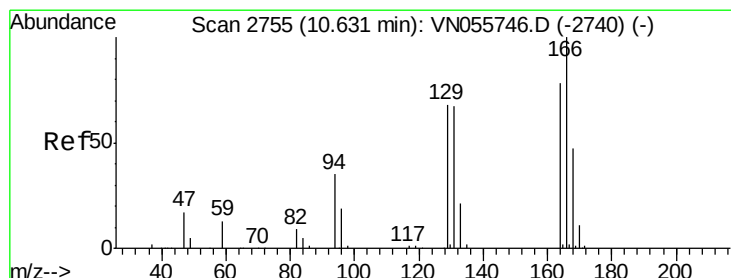
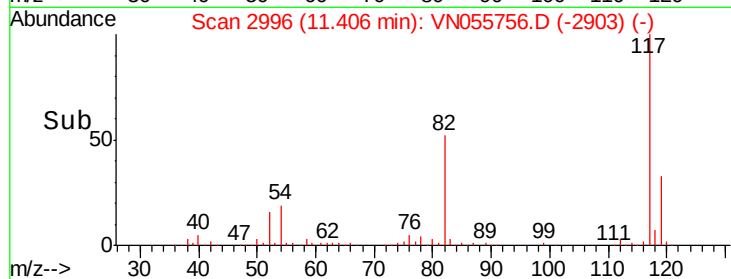
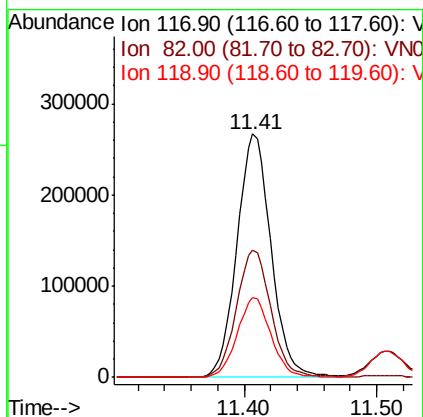
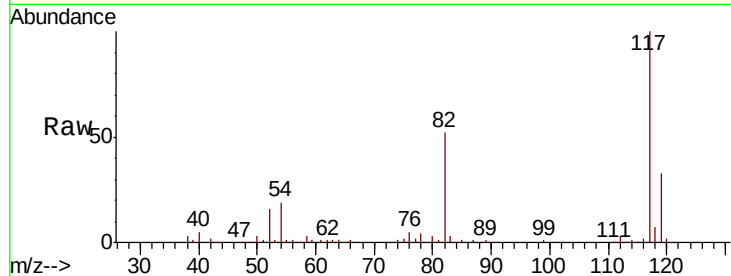




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

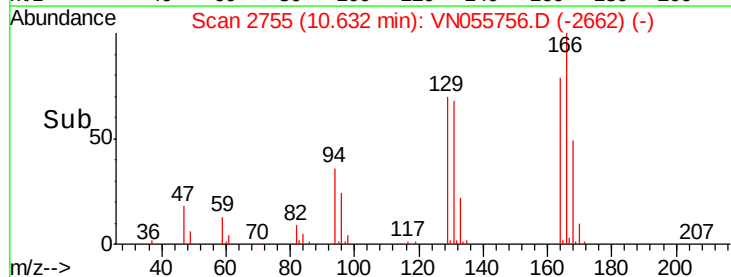
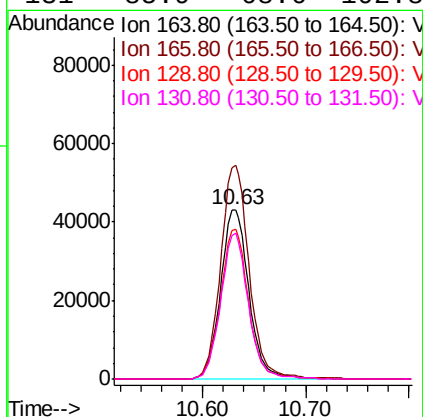
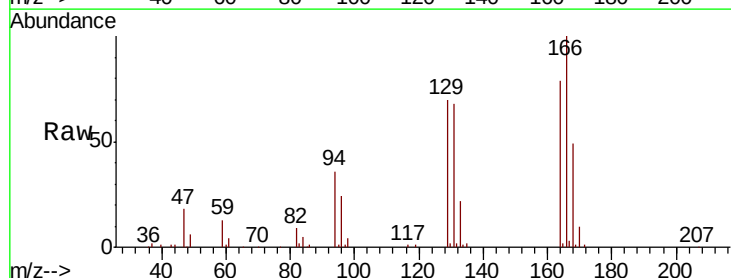
Instrument :
MSVOA_N
ClientSampleId :

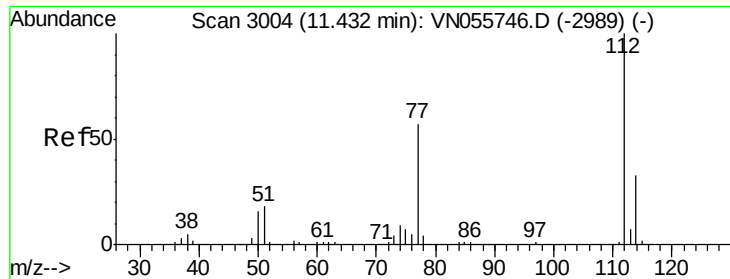
Tot Ion:117 Resp: 478066
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.7 25.4 38.0



#64
Tetrachloroethene
Concen: 20.453 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion:164 Resp: 82469
Ion Ratio Lower Upper
164 100
166 126.0 103.0 154.6
129 88.4 70.6 105.8
131 85.9 68.6 102.8

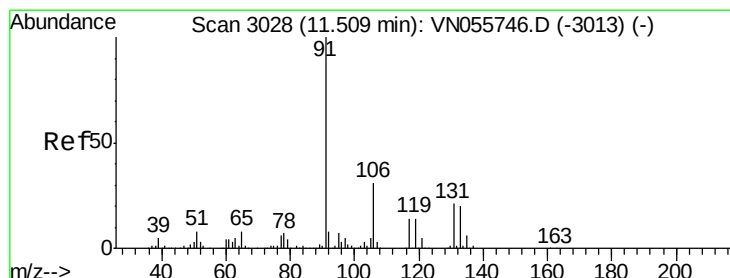
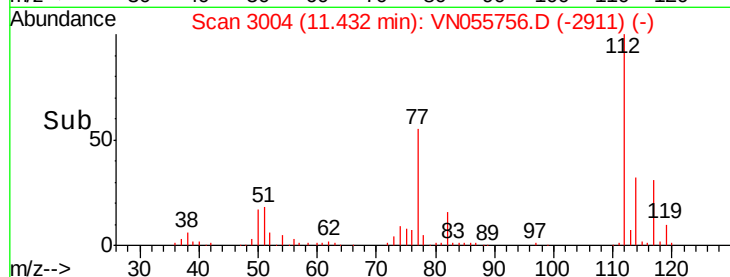
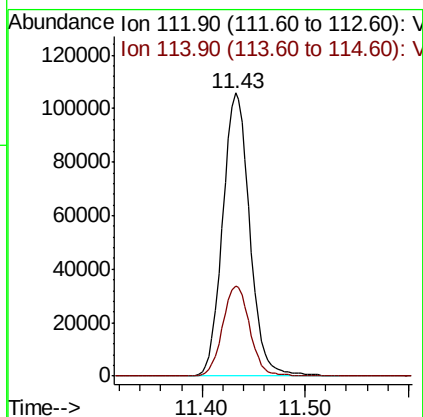
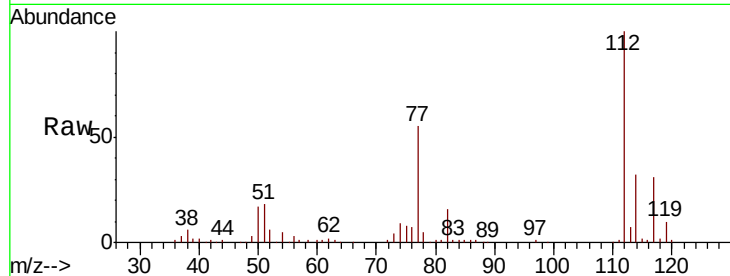




#65
Chlorobenzene
Concen: 20.264 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

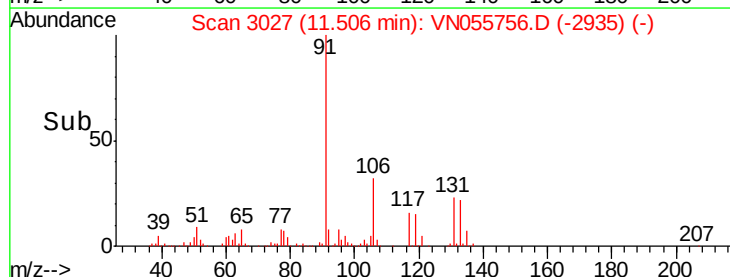
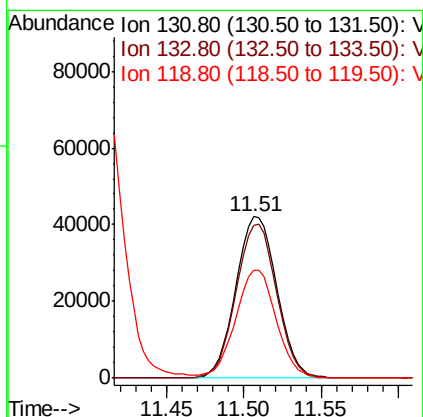
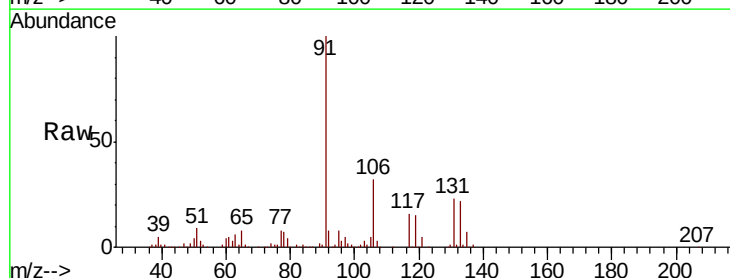
Instrument :
MSVOA_N
ClientSampled :

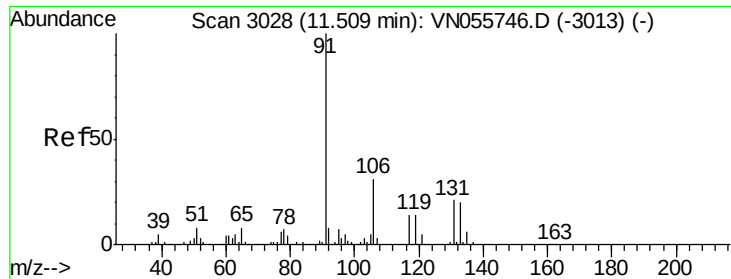
Tot Ion:112 Resp: 193929
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.383 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion:131 Resp: 77803
Ion Ratio Lower Upper
131 100
133 94.0 48.0 144.0
119 66.3 33.1 99.5

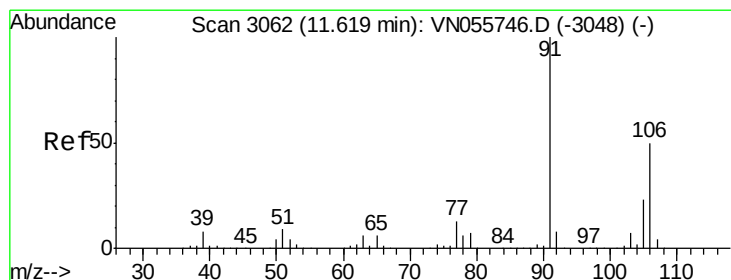
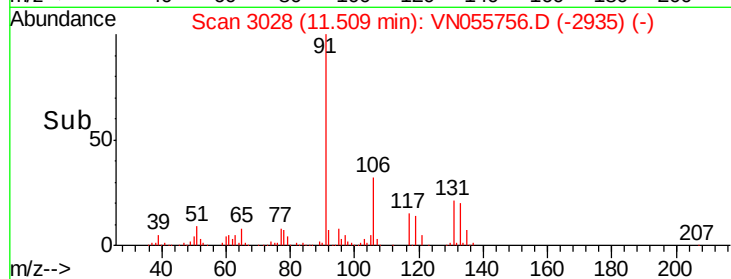
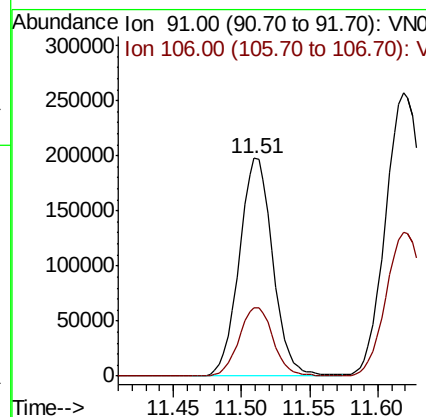
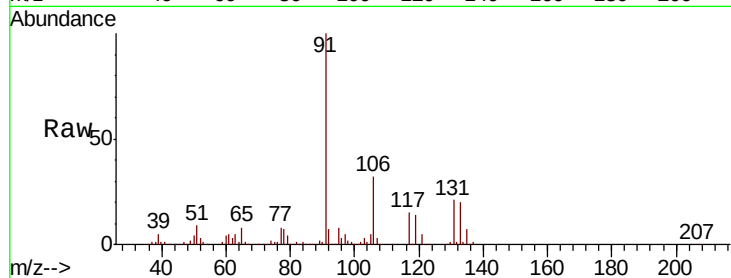




#67
Ethyl Benzene
Concen: 19.745 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

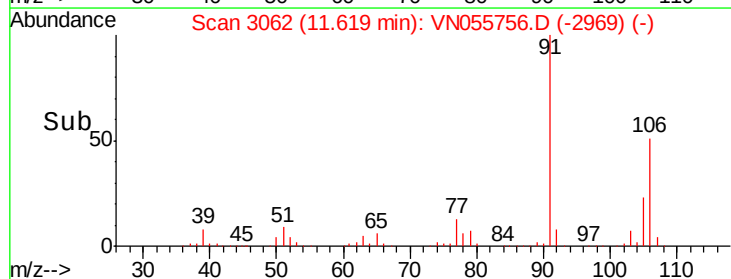
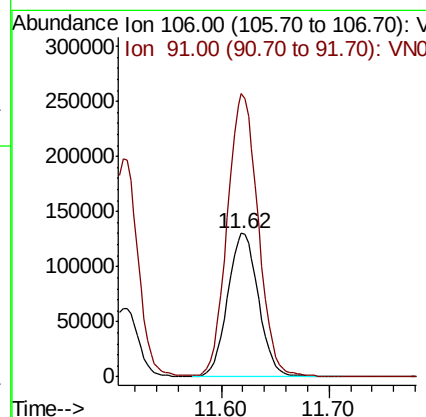
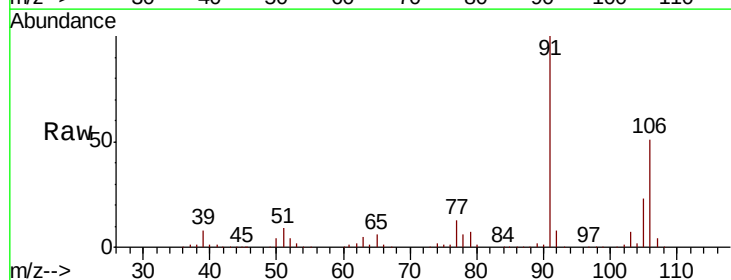
Instrument :
MSVOA_N
ClientSampled :

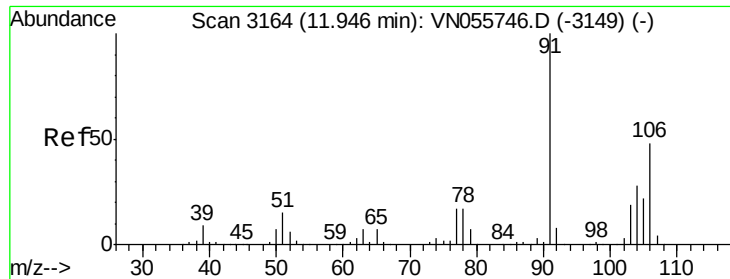
Tot Ion: 91 Resp: 338879
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#68
m/p-Xylenes
Concen: 40.061 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion: 106 Resp: 259923
Ion Ratio Lower Upper
106 100
91 197.3 159.3 238.9

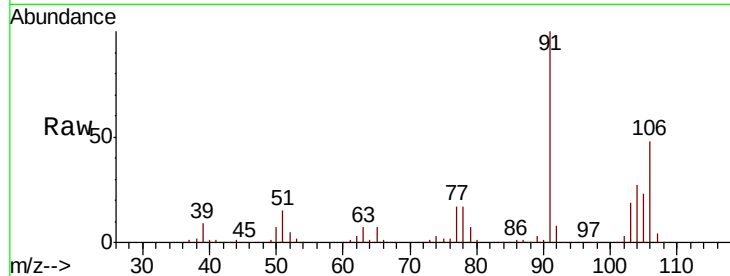




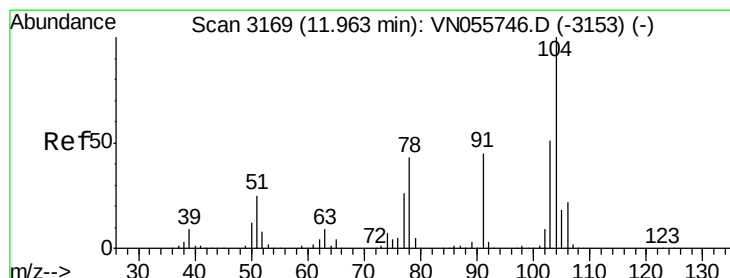
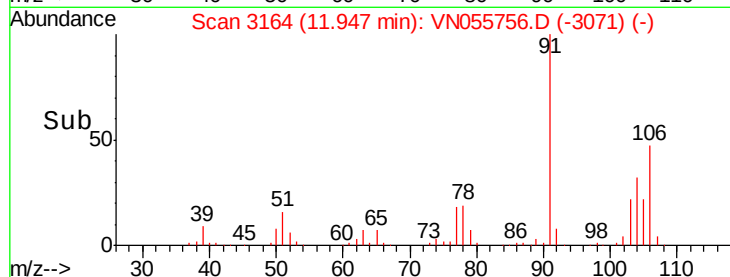
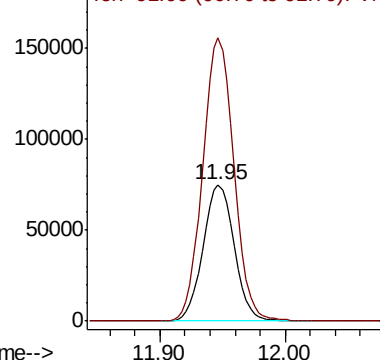
#69
o-Xylene
Concen: 20.112 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 129464
Ion Ratio Lower Upper
106 100
91 207.5 104.7 314.1

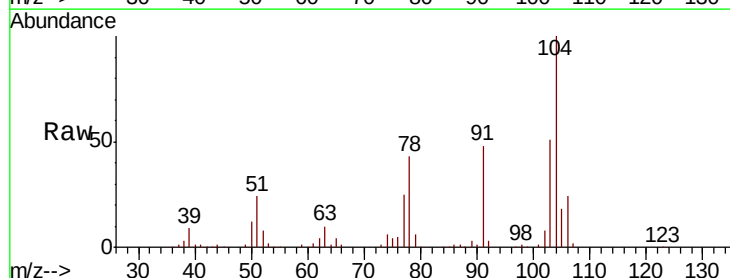


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

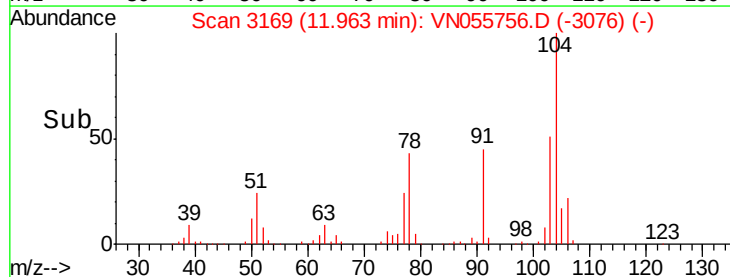
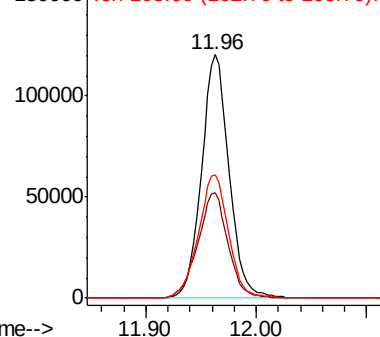


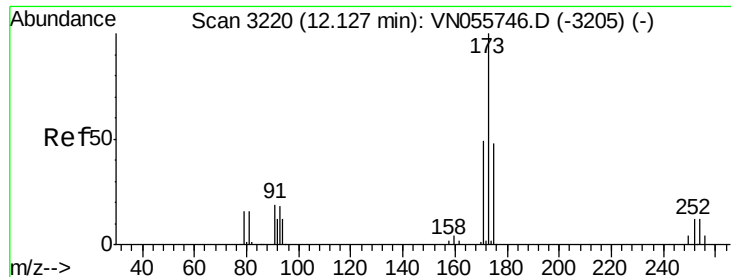
#70
Styrene
Concen: 20.004 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055756.D
Acq: 23 May 2019 16:21

Tgt Ion:104 Resp: 208527
Ion Ratio Lower Upper
104 100
78 47.1 37.8 56.6
103 55.4 44.2 66.2



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





#71

Bromoform

Concen: 20.475 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampled :

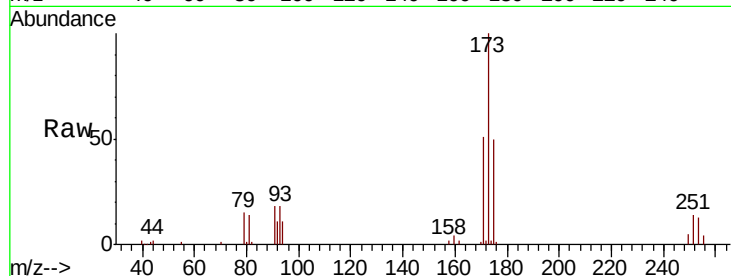
Tot Ion:173 Resp: 66663

Ion Ratio Lower Upper

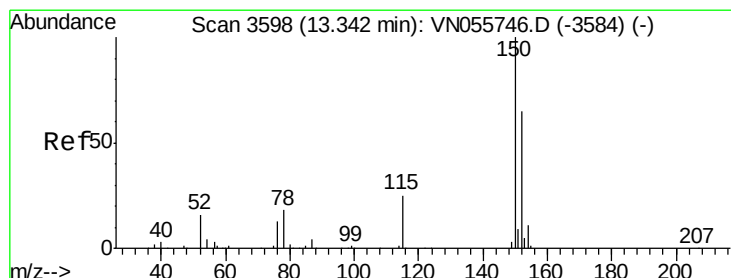
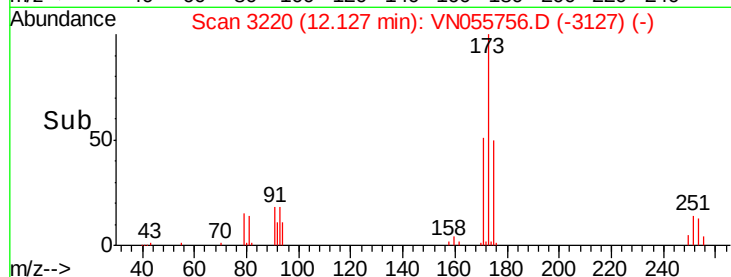
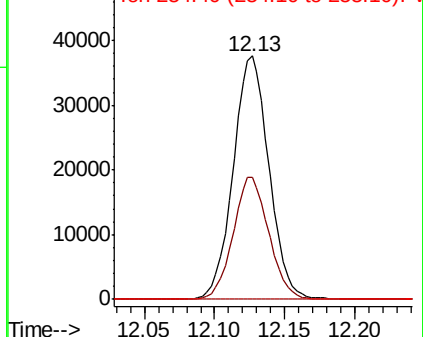
173 100

175 49.7 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: VN055756.D

Acq: 23 May 2019 16:21

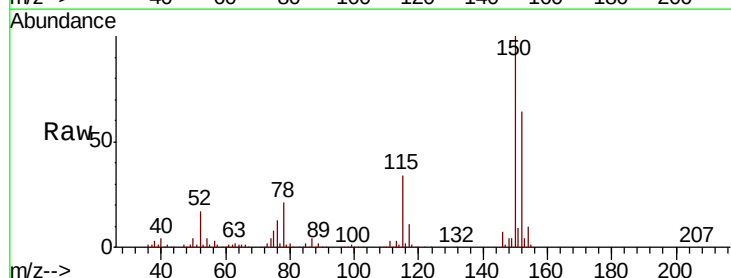
Tgt Ion:152 Resp: 205405

Ion Ratio Lower Upper

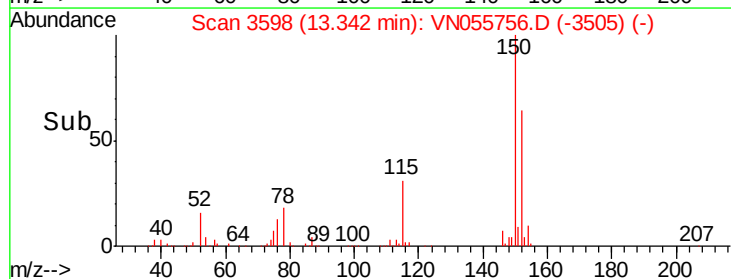
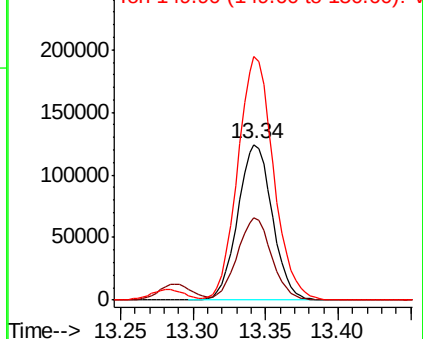
152 100

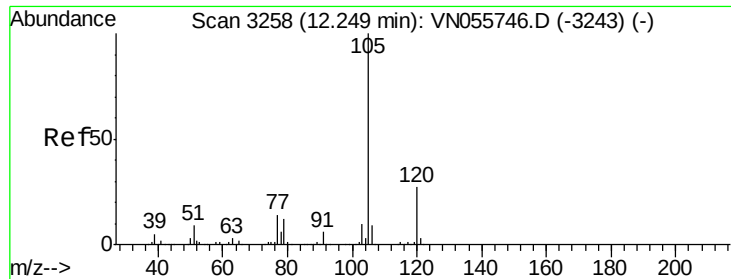
115 52.9 27.0 81.0

150 162.5 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: 21.891 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

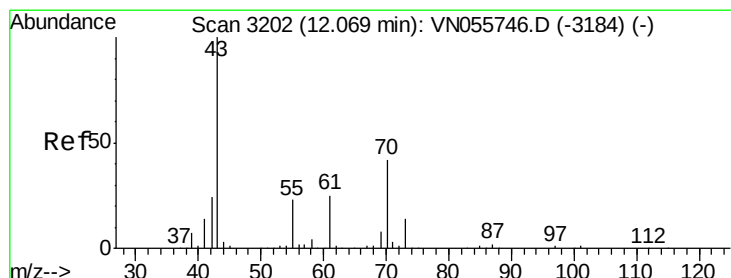
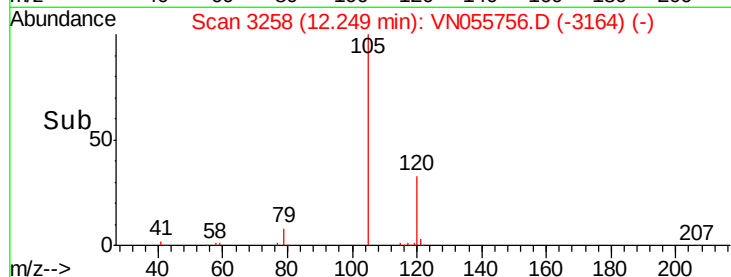
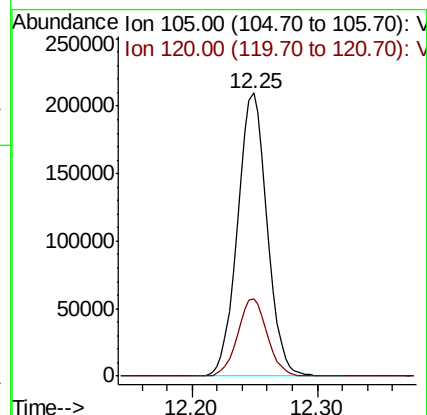
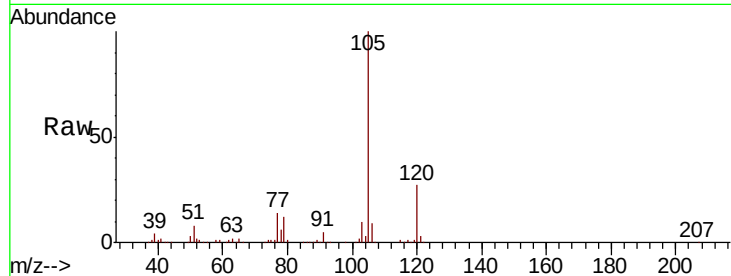
ClientSampleId :

Tot Ion:105 Resp: 341758

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-amyl acetate

Concen: 20.157 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Tgt Ion: 43 Resp: 119680

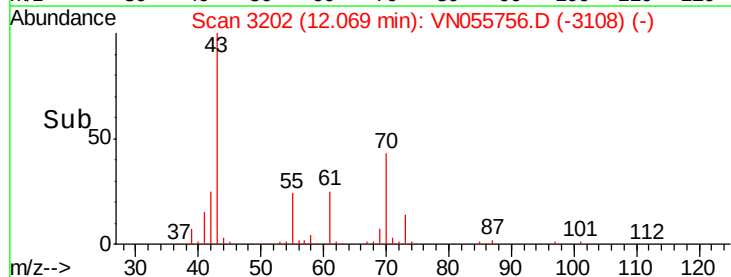
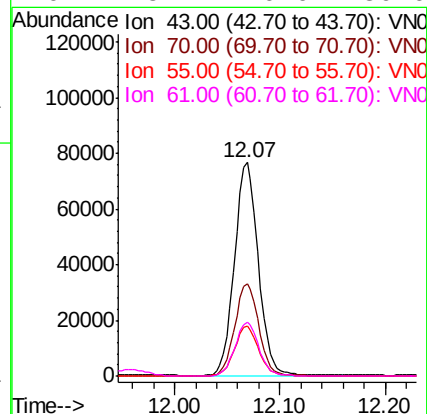
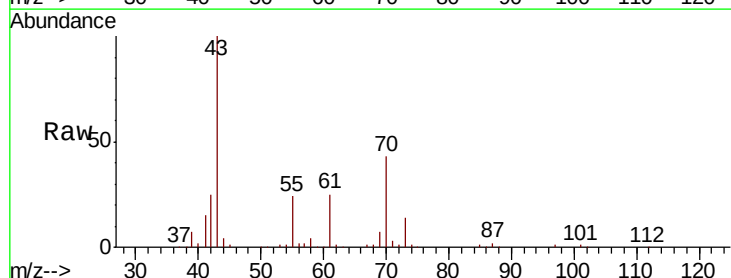
Ion Ratio Lower Upper

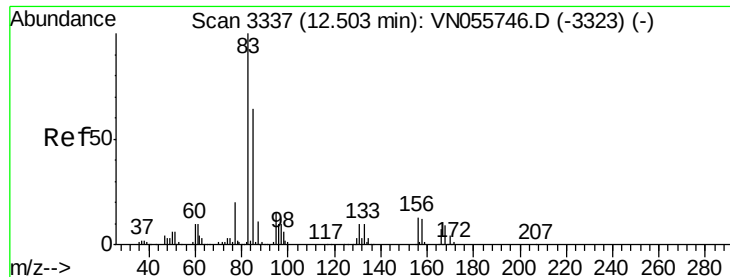
43 100

70 43.7 34.0 51.0

55 23.9 18.6 28.0

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.042 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

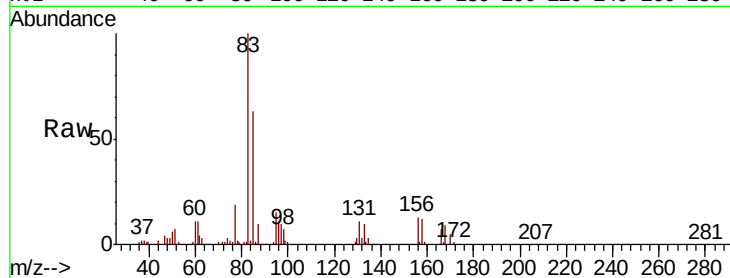
Tot Ion: 83 Resp: 99359

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	64.3	32.4	97.0

83 100

131 10.9 5.4 16.2

85 64.3 32.4 97.0

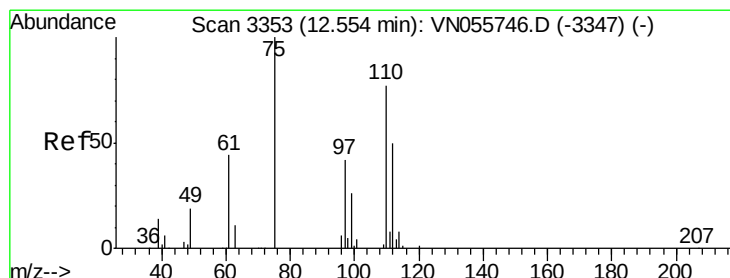
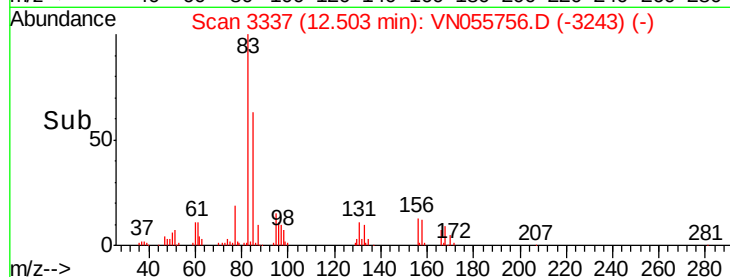
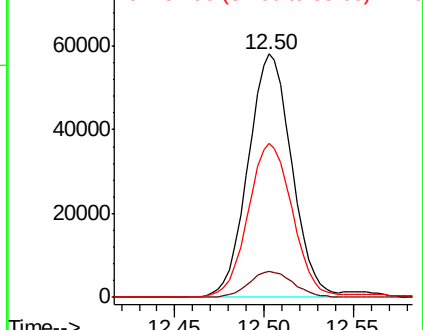


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.302 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055756.D

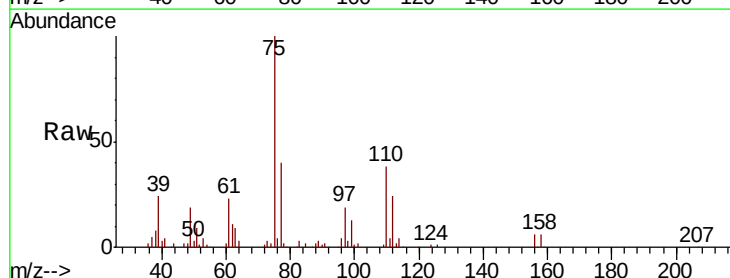
Acq: 23 May 2019 16:21

Tgt Ion: 75 Resp: 121505

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

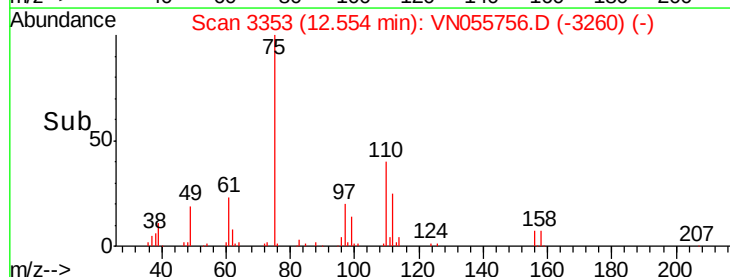
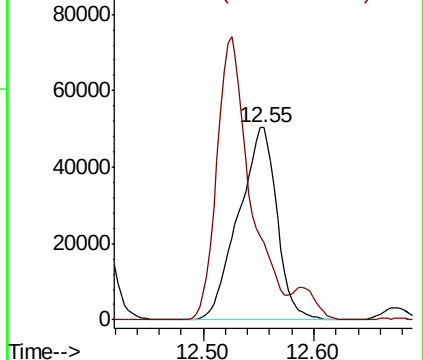
77 0.0 0.0 0.0

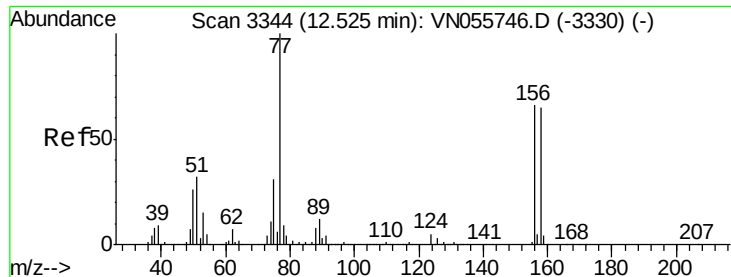


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.258 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampled :

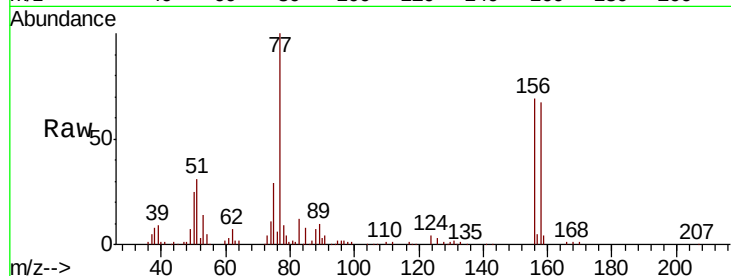
Tot Ion:156 Resp: 88796

Ion Ratio Lower Upper

156 100

77 175.3 90.8 272.5

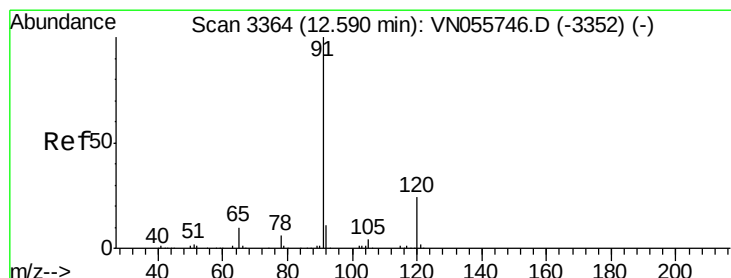
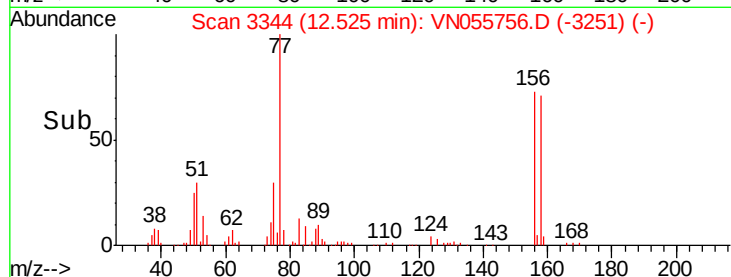
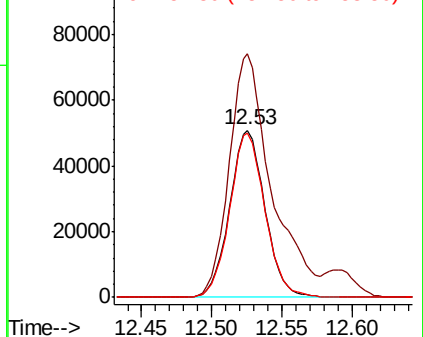
158 98.1 49.3 147.8



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: 19.636 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055756.D

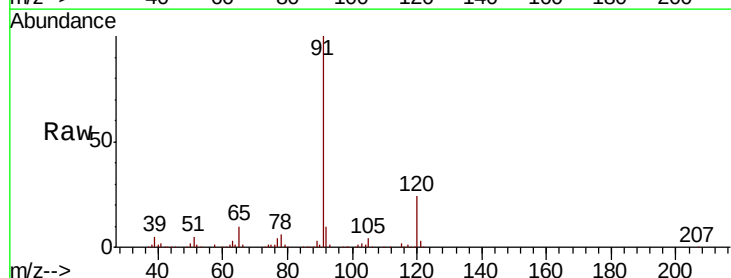
Acq: 23 May 2019 16:21

Tgt Ion: 91 Resp: 350555

Ion Ratio Lower Upper

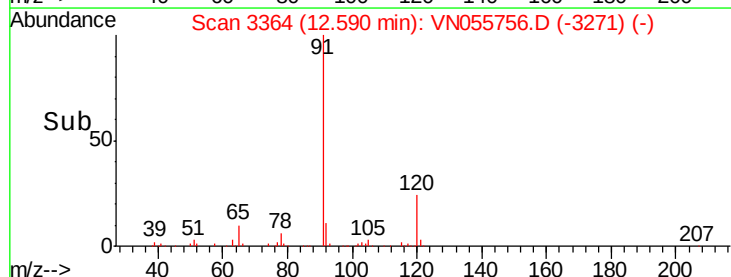
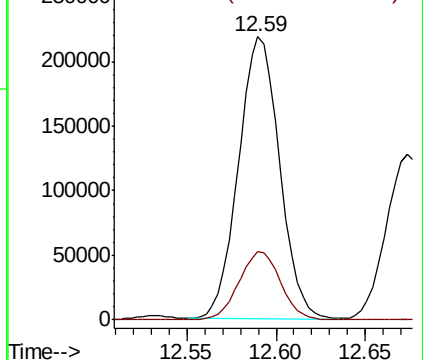
91 100

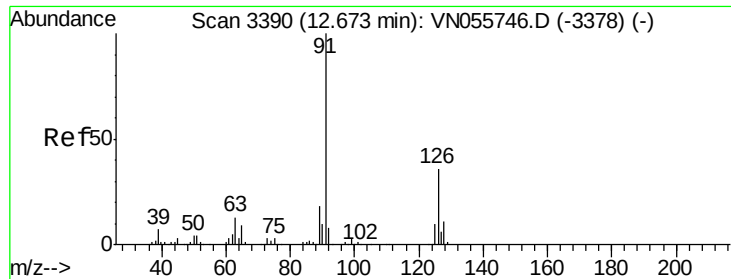
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.014 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

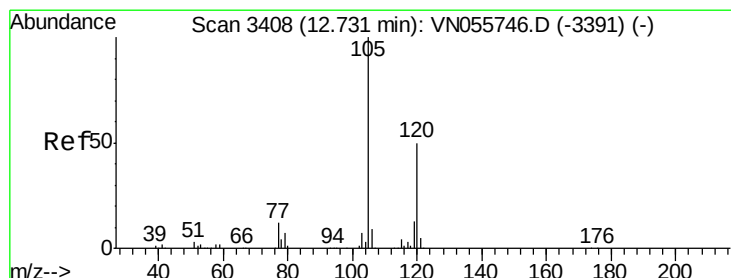
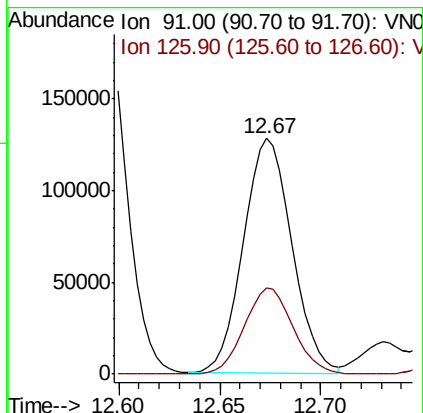
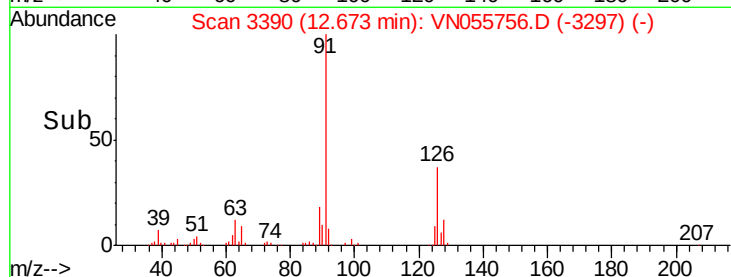
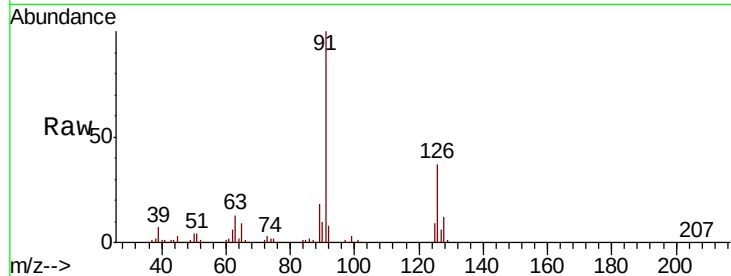
ClientSampleId :

Tot Ion: 91 Resp: 216282

Ion Ratio Lower Upper

91 100

126 36.8 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 21.440 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055756.D

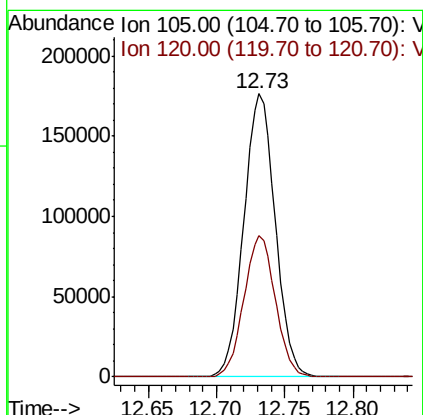
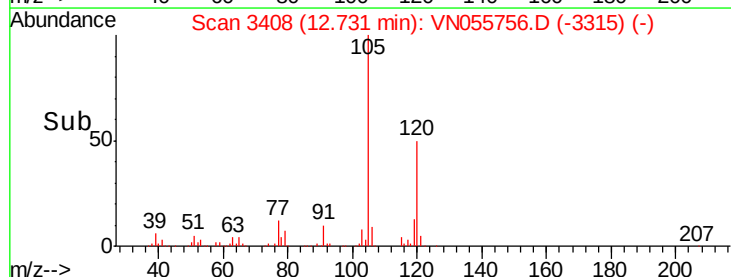
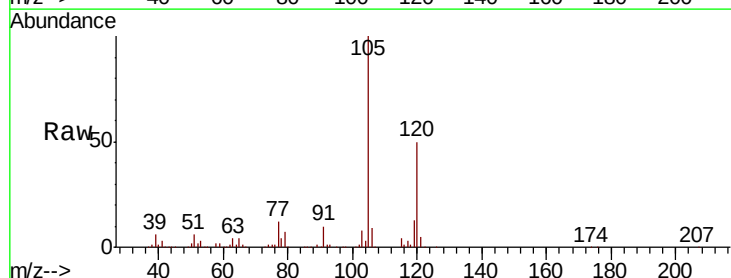
Acq: 23 May 2019 16:21

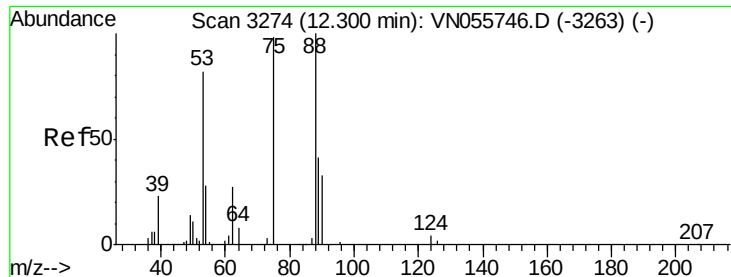
Tgt Ion: 105 Resp: 281672

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.181 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

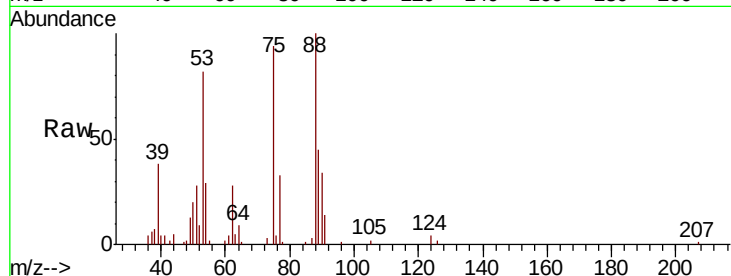
Tot Ion: 75 Resp: 29283

Ion	Ratio	Lower	Upper
75	100		
53	90.2	68.1	102.1
89	47.8	36.9	55.3

75 100

53 90.2 68.1 102.1

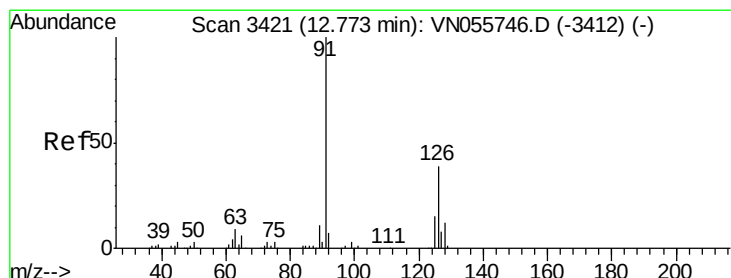
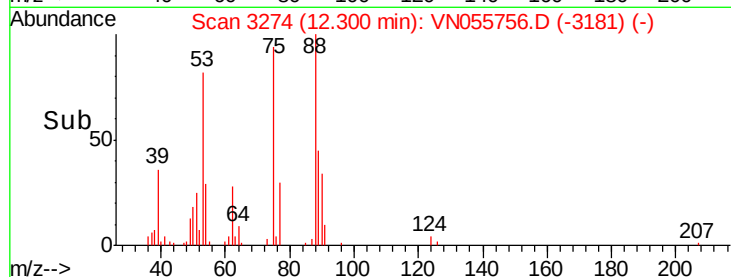
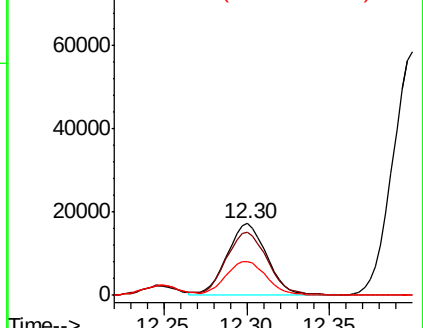
89 47.8 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.648 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055756.D

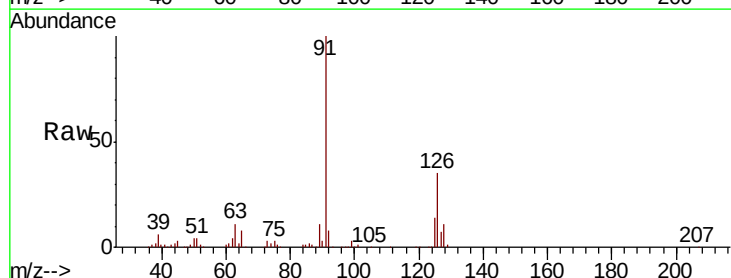
Acq: 23 May 2019 16:21

Tgt Ion: 91 Resp: 206188

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3

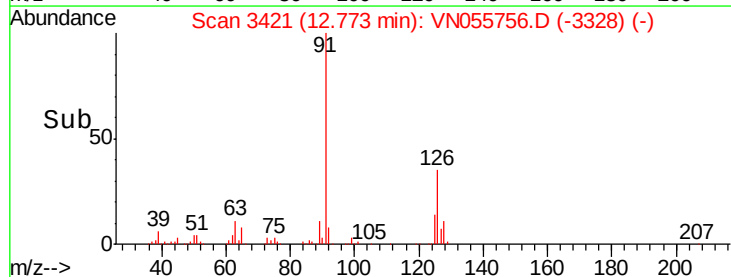
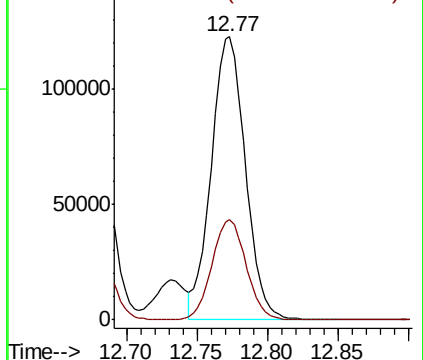
91 100

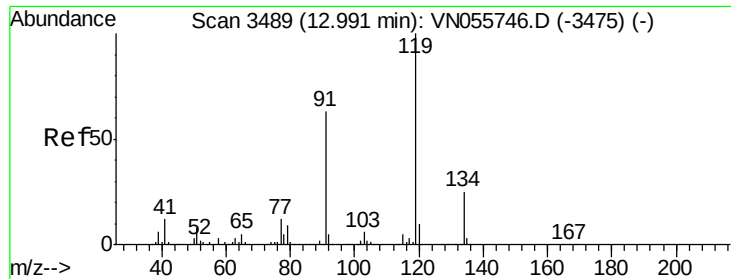
126 35.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

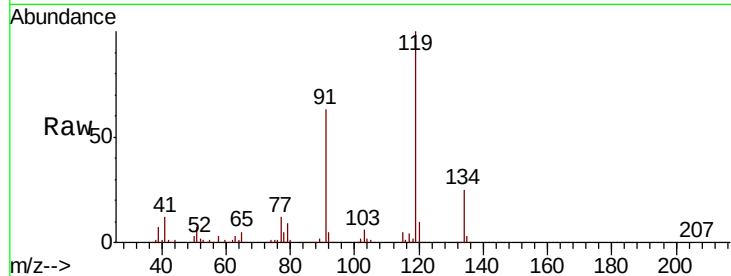




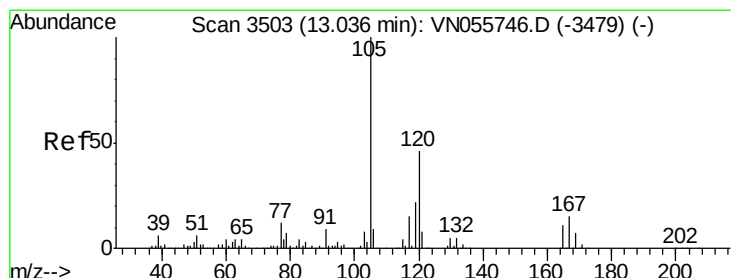
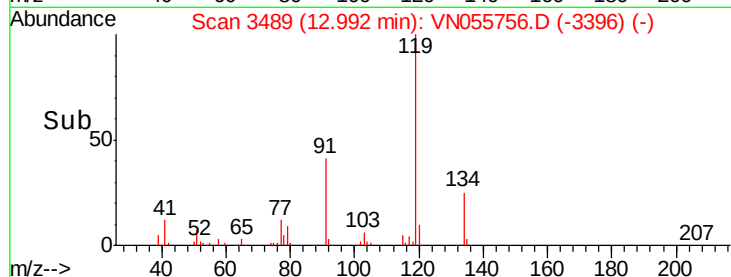
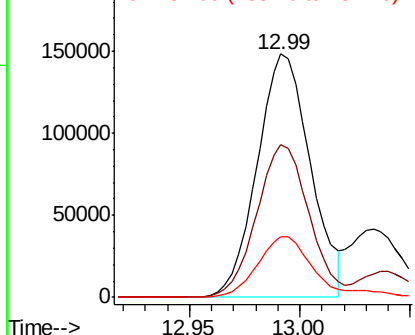
#83
 tert-Butylbenzene
 Concen: 21.601 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 247914
 Ion Ratio Lower Upper
 119 100
 91 61.7 30.9 92.8
 134 26.8 13.3 39.8

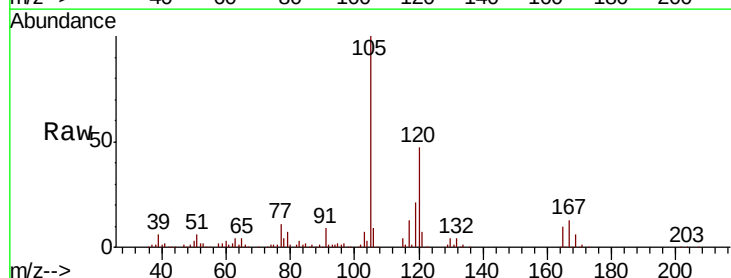


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

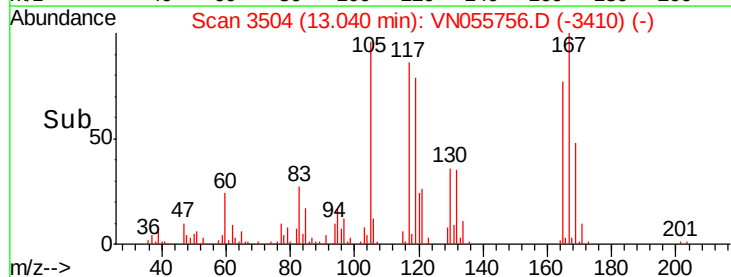
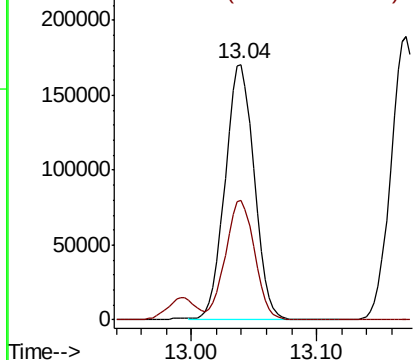


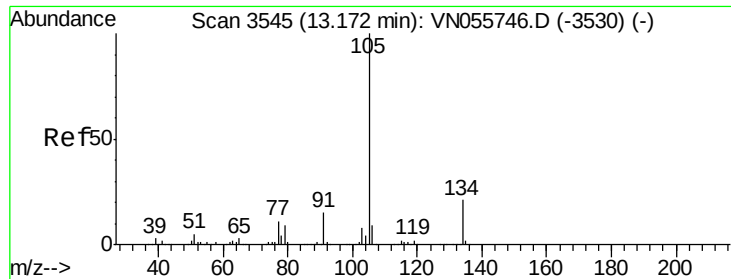
#84
 1,2,4-Trimethylbenzene
 Concen: 21.007 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion:105 Resp: 274603
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 21.045 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

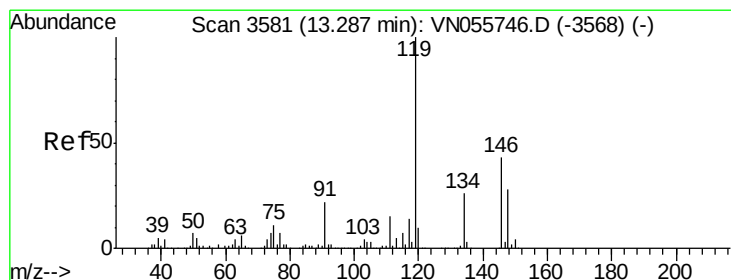
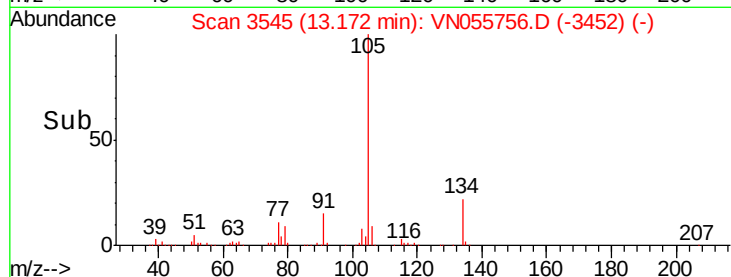
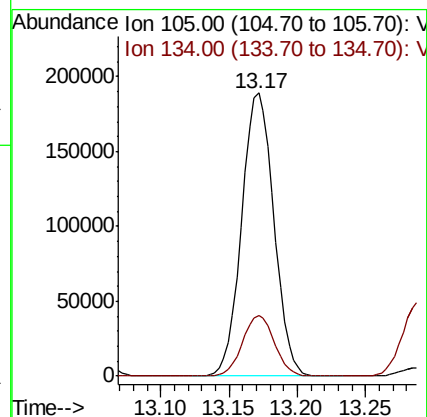
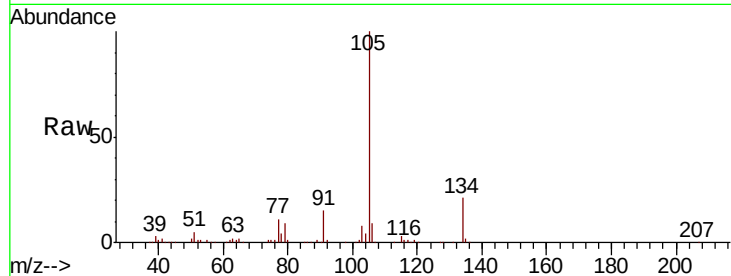
ClientSampled :

Tot Ion:105 Resp: 309903

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.2



#86

p-Isopropyltoluene

Concen: 20.059 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

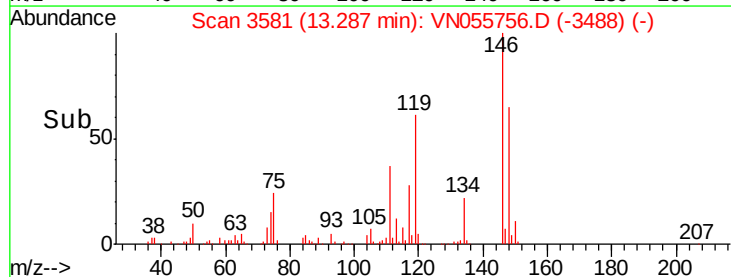
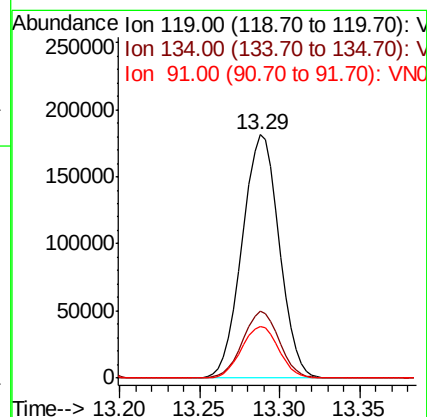
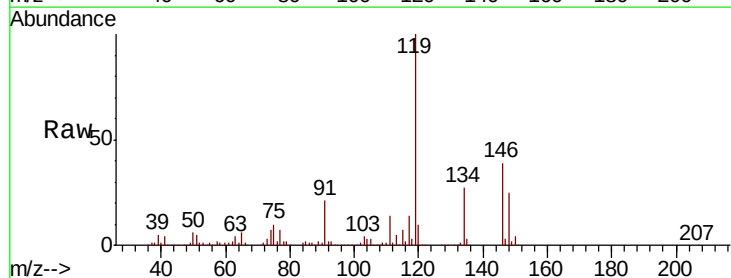
Tgt Ion:119 Resp: 286136

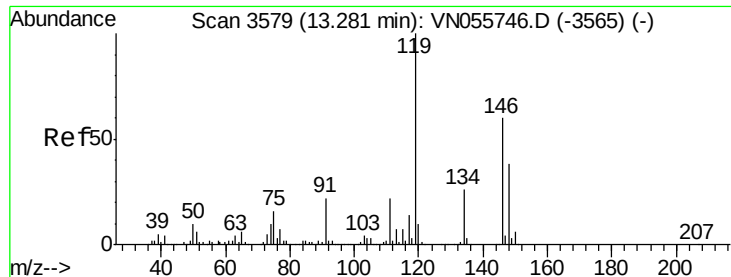
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.4 10.9 32.9

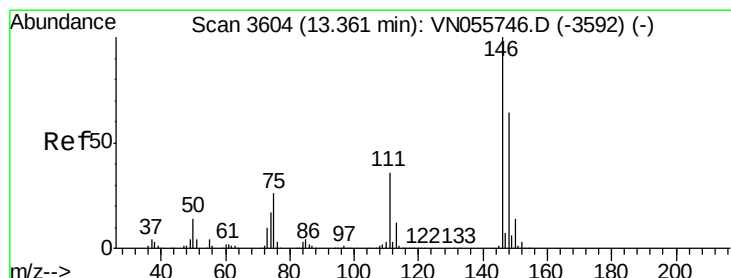
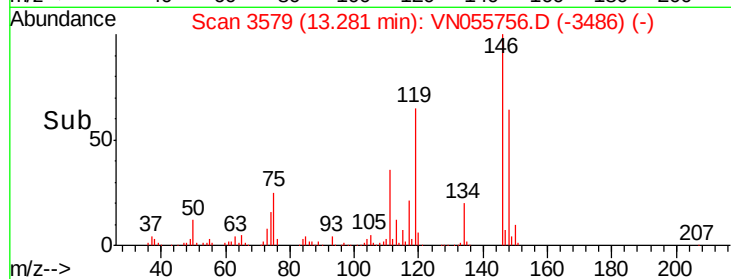
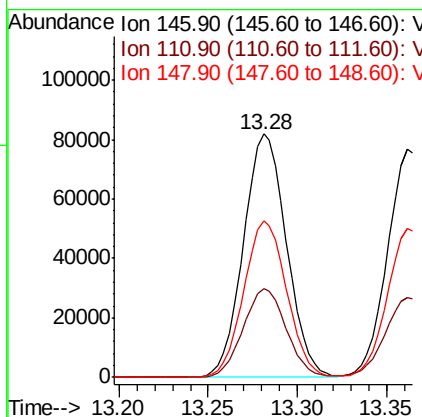
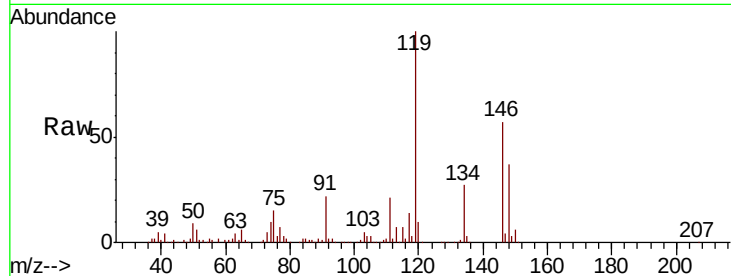




#87
 1,3-Dichlorobenzene
 Concen: 19.903 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

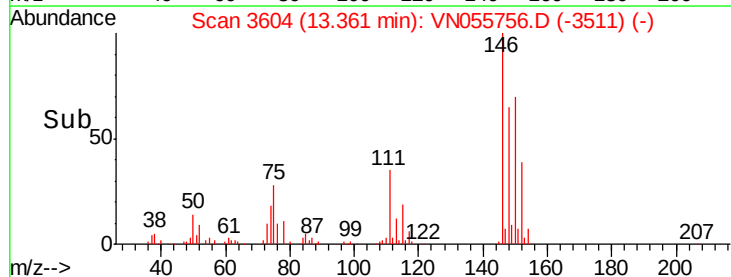
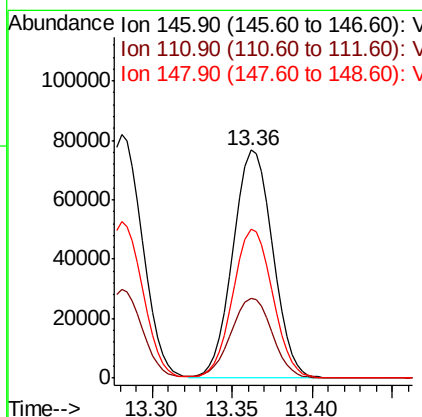
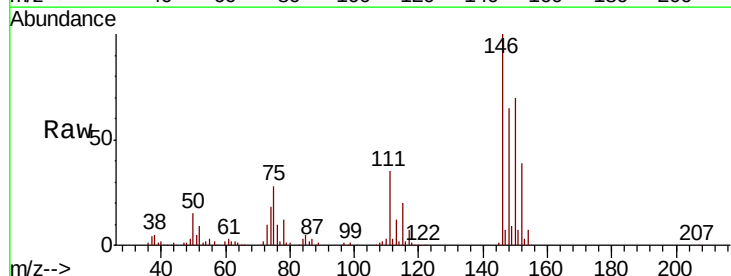
Instrument :
 MSVOA_N
 ClientSampled :

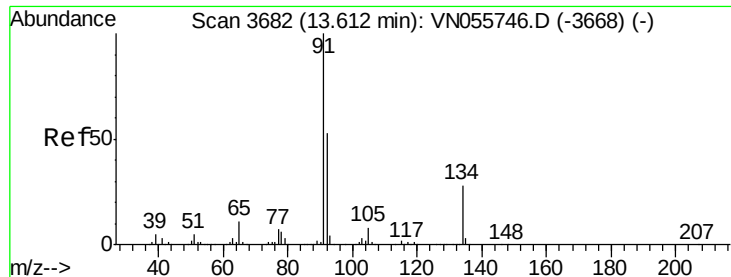
Tot Ion:146 Resp: 138136
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.5 55.5
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.836 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion:146 Resp: 130890
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.4
 148 65.3 32.1 96.5





#89

n-Butylbenzene

Concen: 18.981 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

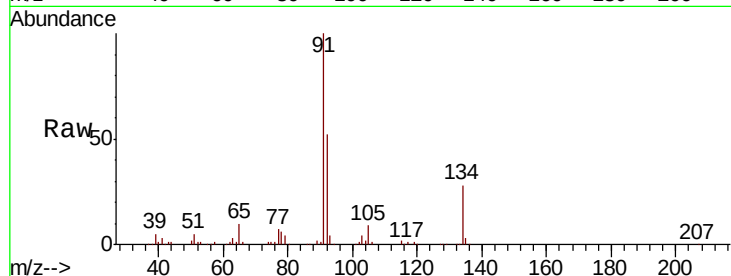
Tot Ion: 91 Resp: 207451

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.0

134 28.7 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055746.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055746.D (-3668) (-)

13.61

150000

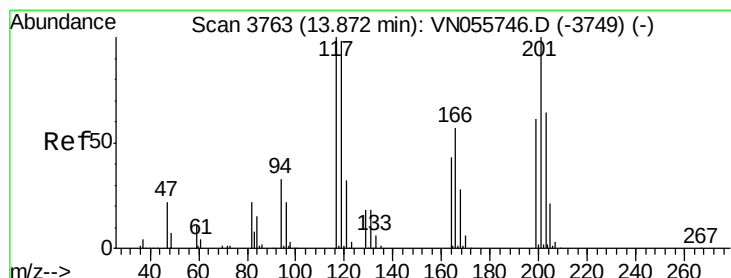
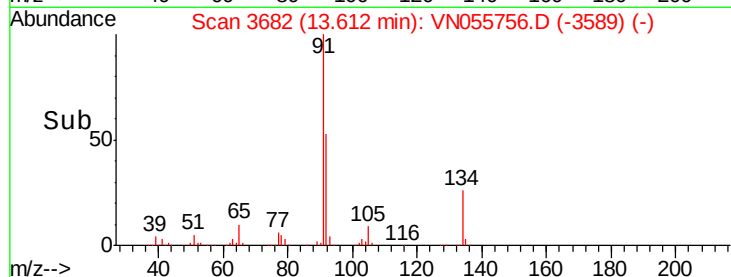
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 19.881 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055756.D

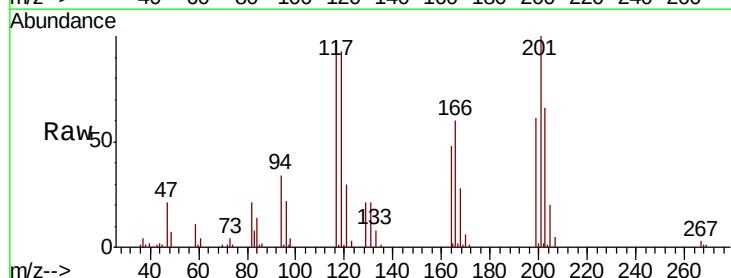
Acq: 23 May 2019 16:21

Tgt Ion: 117 Resp: 53978

Ion Ratio Lower Upper

117 100

201 105.3 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055746.D (-3749) (-)

13.87

30000

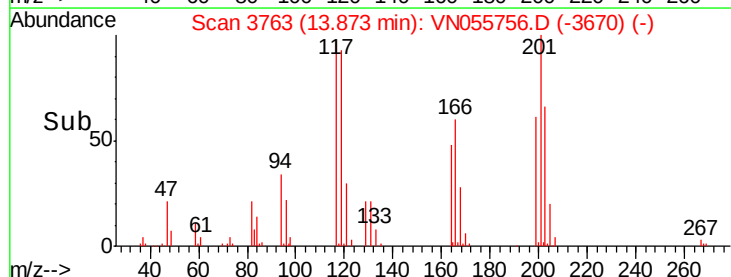
20000

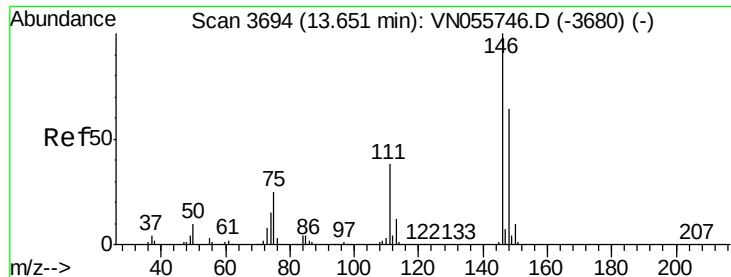
10000

0

13.80 13.85 13.90

Time-->

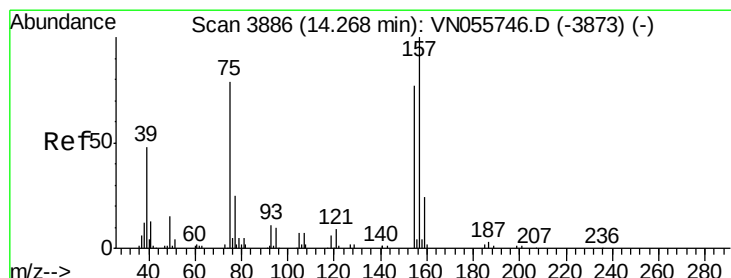
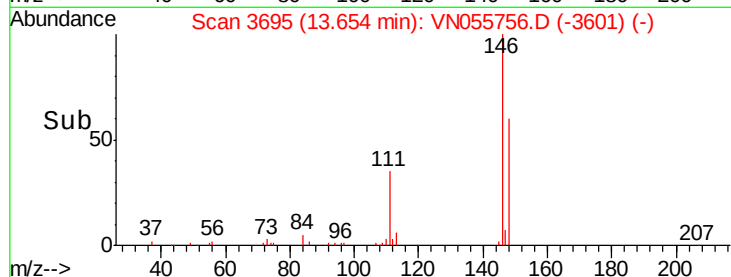
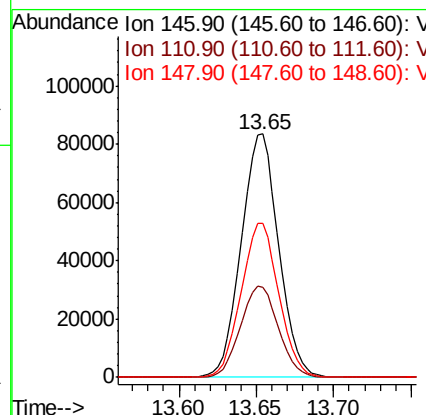
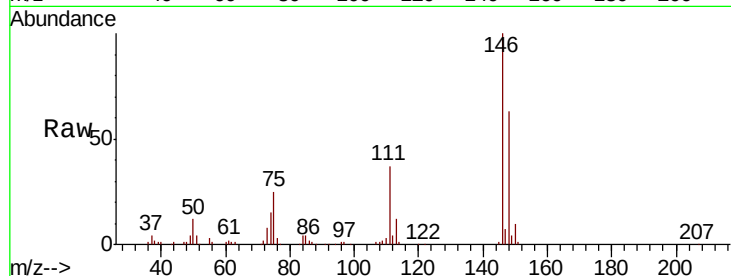




#91
 1,2-Dichlorobenzene
 Concen: 20.248 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

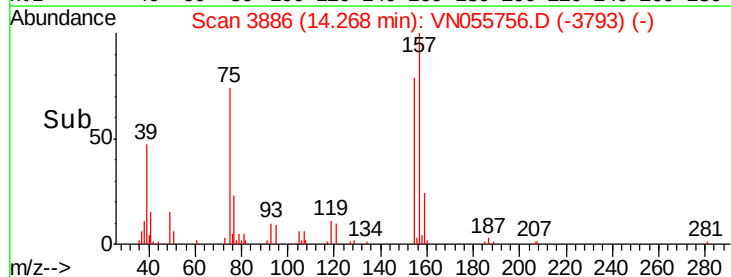
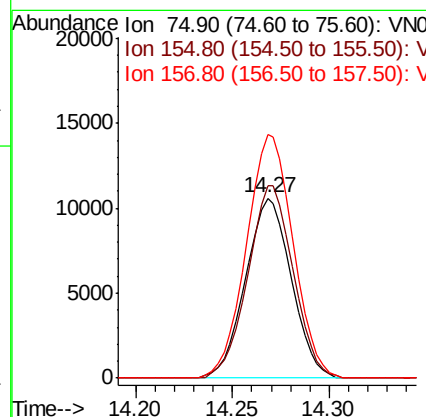
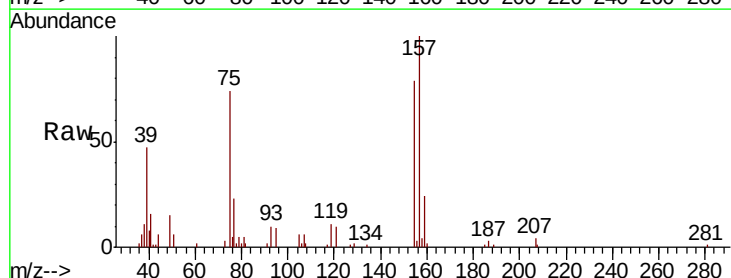
Instrument :
 MSVOA_N
 ClientSampled :

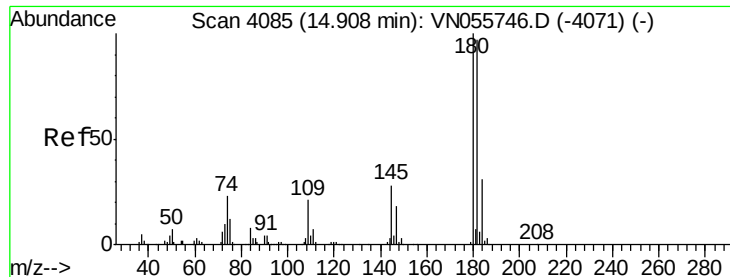
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	63.7	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.085 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.1	50.0	150.1
157	138.2	64.8	194.3

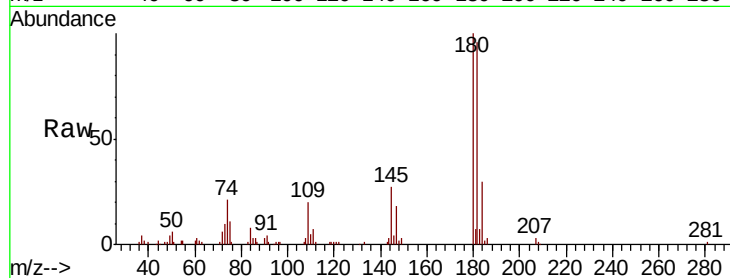




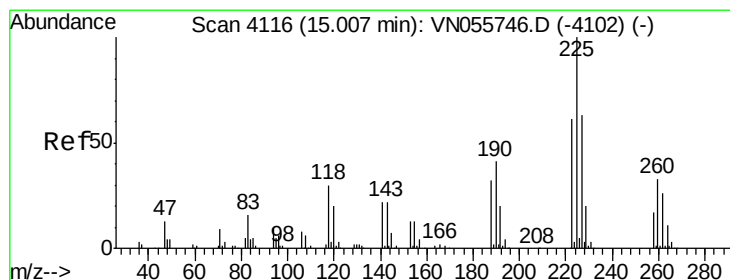
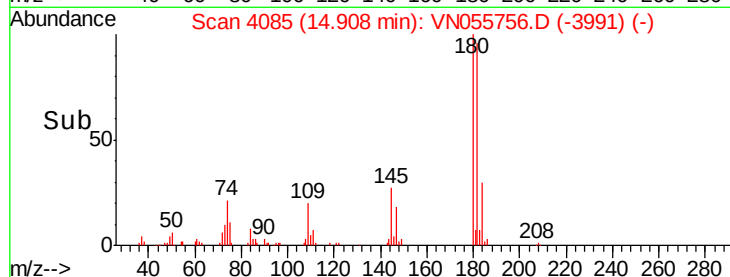
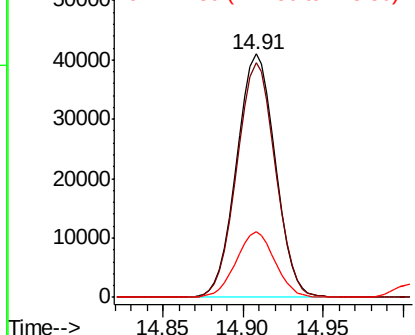
#93
 1,2,4-Trichlorobenzene
 Concen: 19.334 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 67441
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.3 144.9
 145 26.9 14.0 41.9

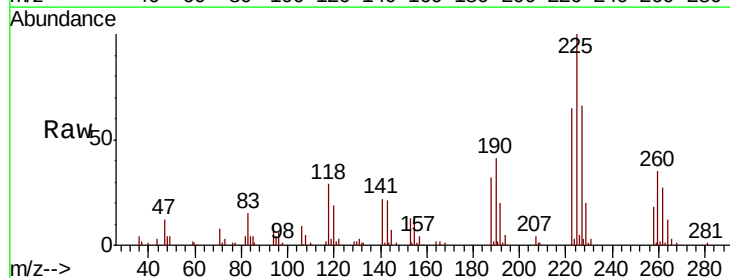


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

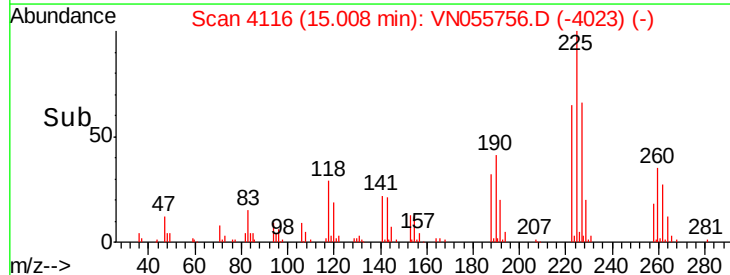
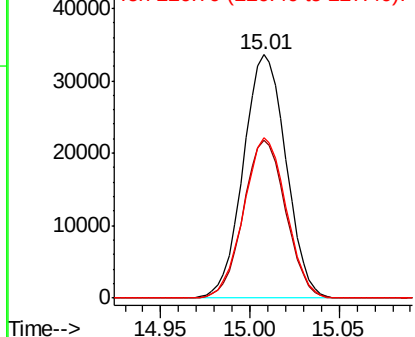


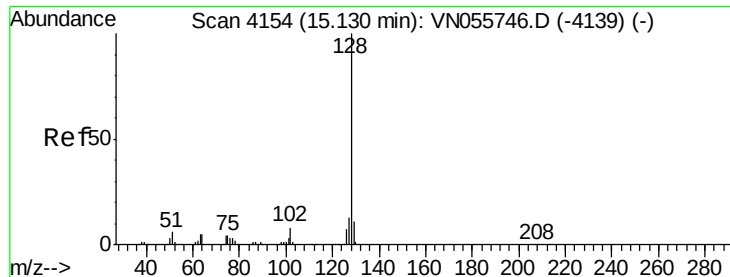
#94
 Hexachlorobutadiene
 Concen: 22.048 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055756.D
 Acq: 23 May 2019 16:21

Tgt Ion:225 Resp: 56218
 Ion Ratio Lower Upper
 225 100
 223 64.2 30.9 92.7
 227 65.5 31.6 94.7



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





#95

Naphthalene

Concen: 18.876 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA_N

ClientSampled :

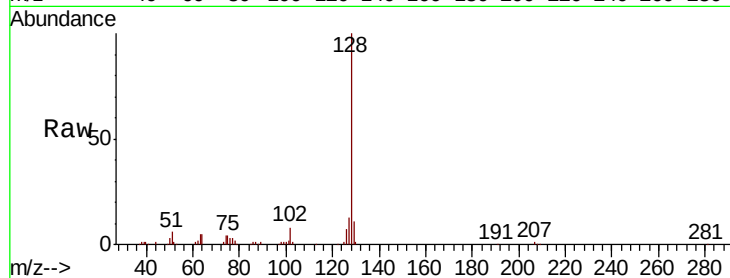
Tot Ion:128 Resp: 179356

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

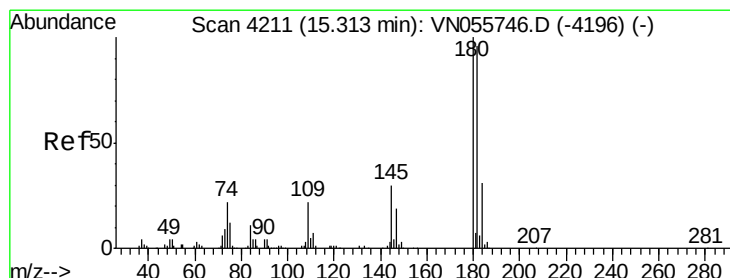
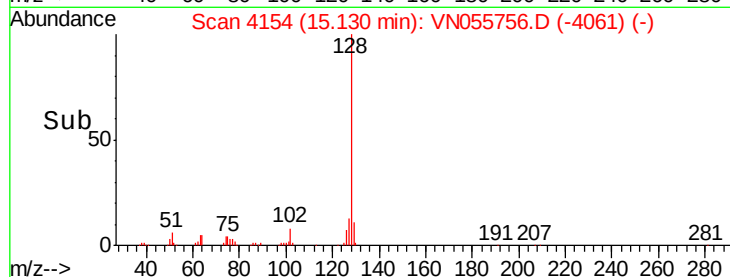
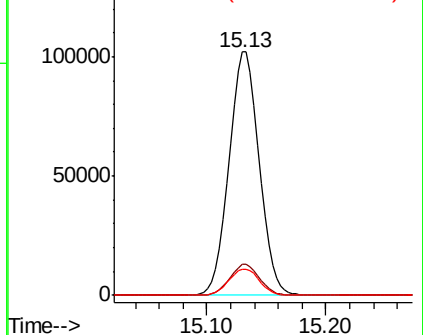
129 11.0 8.7 13.1



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: 19.877 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055756.D

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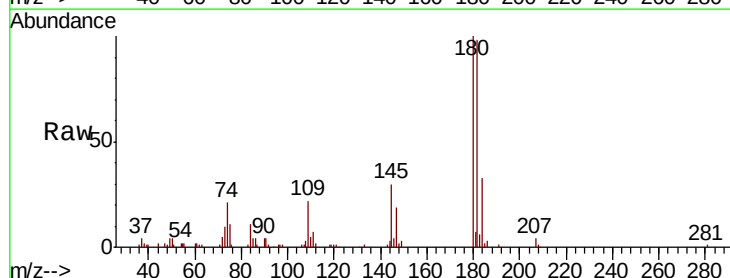
Tgt Ion:180 Resp: 72758

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.7

145 29.4 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

