

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055792.D
 Acq On : 24 May 2019 13:37
 Operator : JC/SP
 Sample : VN0524MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Quant Time: May 25 04:26:21 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	357320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	523432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	195992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	185956	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	7.59	113	169312	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.09	98	628903	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	214401	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	43437	18.063	ug/l 97
3) Chloromethane	2.06	50	63126	18.735	ug/l 99
4) Vinyl Chloride	2.18	62	68482	19.056	ug/l 98
5) Bromomethane	2.54	94	50238	22.345	ug/l 98
6) Chloroethane	2.69	64	43596	20.149	ug/l 98
7) Trichlorofluoromethane	3.01	101	93290	19.800	ug/l 100
8) Diethyl Ether	3.40	74	42227	19.997	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56317	19.148	ug/l 98
10) Methyl Iodide	3.94	142	87818	20.423	ug/l 100
11) Tert butyl alcohol	4.81	59	81654	115.812	ug/l 97
12) 1,1-Dichloroethene	3.73	96	60030	19.754	ug/l 96
13) Acrolein	3.60	56	42247	83.682	ug/l 99
14) Allyl chloride	4.31	41	99448	19.089	ug/l 100
15) Acrylonitrile	4.99	53	160394	99.070	ug/l 99
16) Acetone	3.82	43	146181	90.119	ug/l 99
17) Carbon Disulfide	4.04	76	157362	18.226	ug/l 100
18) Methyl Acetate	4.33	43	67189	19.606	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	201291	19.861	ug/l 99
20) Methylene Chloride	4.55	84	69017	19.647	ug/l 96
21) trans-1,2-Dichloroethene	5.03	96	63682	19.506	ug/l 97
22) Diisopropyl ether	5.96	45	198479	19.588	ug/l 97
23) Vinyl Acetate	5.90	43	842825	97.017	ug/l 100
24) 1,1-Dichloroethane	5.84	63	114740	19.449	ug/l 100
25) 2-Butanone	6.84	43	217237	95.894	ug/l 98
26) 2,2-Dichloropropane	6.82	77	94768	18.561	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	76599	20.110	ug/l 99
28) Bromochloromethane	7.19	49	56285	20.039	ug/l 98
29) Tetrahydrofuran	7.22	42	140435	97.891	ug/l 98
30) Chloroform	7.37	83	117514	19.974	ug/l 98
31) Cyclohexane	7.65	56	106270	19.187	ug/l 95
32) 1,1,1-Trichloroethane	7.57	97	103121	19.642	ug/l 99
36) 1,1-Dichloropropene	7.79	75	86140	18.884	ug/l 99
37) Ethyl Acetate	6.93	43	87978	19.956	ug/l 98
38) Carbon Tetrachloride	7.77	117	89979	18.937	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	103226	18.275	ug/l	99
40) Benzene	8.04	78	271740	19.767	ug/l	99
41) Methacrylonitrile	7.18	41	39581	17.771	ug/l	97
42) 1,2-Dichloroethane	8.12	62	88248	19.645	ug/l	100
43) Isopropyl Acetate	8.17	43	139905	18.887	ug/l #	92
44) Trichloroethene	8.83	130	79547	20.756	ug/l	95
45) 1,2-Dichloropropane	9.12	63	71034	19.832	ug/l	99
46) Dibromomethane	9.21	93	46919	19.974	ug/l	99
47) Bromodichloromethane	9.40	83	91846	19.068	ug/l	99
48) Methyl methacrylate	9.20	41	67650	19.816	ug/l	97
49) 1,4-Dioxane	9.20	88	26759	377.190	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	425939	97.362	ug/l	99
52) Toluene	10.16	92	173787	20.100	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	96370	18.744	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	109619	19.246	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	68251	19.704	ug/l	99
56) Ethyl methacrylate	10.43	69	105058	19.625	ug/l	99
57) 1,3-Dichloropropane	10.71	76	110773	19.675	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	193004	94.344	ug/l	99
59) 2-Hexanone	10.75	43	298734	96.257	ug/l	100
60) Dibromochloromethane	10.90	129	76848	19.045	ug/l	99
61) 1,2-Dibromoethane	11.00	107	71066	19.780	ug/l	99
64) Tetrachloroethene	10.63	164	78671	20.295	ug/l	99
65) Chlorobenzene	11.43	112	184960	20.103	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	70615	19.243	ug/l	99
67) Ethyl Benzene	11.51	91	324043	19.639	ug/l	99
68) m/p-Xylenes	11.62	106	251935	40.389	ug/l	97
69) o-Xylene	11.95	106	124026	20.041	ug/l	99
70) Styrene	11.96	104	200590	20.015	ug/l	99
71) Bromoform	12.13	173	58913	18.822	ug/l #	100
73) Isopropylbenzene	12.25	105	321951	21.577	ug/l	99
74) N-amyl acetate	12.07	43	112153	19.753	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	95414	21.200	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	114346	32.799	ug/l #	100
77) Bromobenzene	12.53	156	86466	20.674	ug/l	96
78) n-propylbenzene	12.59	91	336015	19.726	ug/l	99
79) 2-Chlorotoluene	12.67	91	206762	21.059	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	263068	20.929	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26273	18.036	ug/l	97
82) 4-Chlorotoluene	12.77	91	199016	19.875	ug/l	98
83) tert-Butylbenzene	12.99	119	237517	21.702	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	267541	21.501	ug/l	99
85) sec-Butylbenzene	13.17	105	295668	21.042	ug/l	100
86) p-Isopropyltoluene	13.29	119	268515	19.728	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	131698	19.887	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	125078	19.866	ug/l	98
89) n-Butylbenzene	13.61	91	195735	18.769	ug/l	99
90) Hexachloroethane	13.87	117	48837	18.851	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	134760	20.396	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16382	18.864	ug/l	98

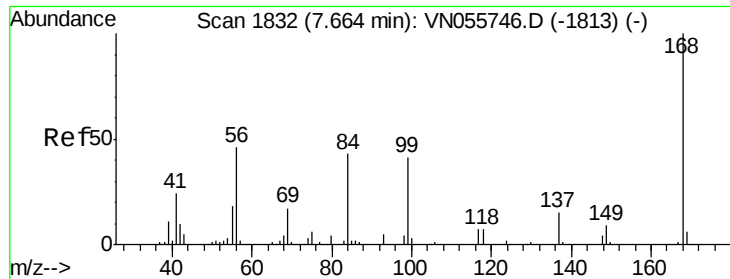
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	60105	18.298	ug/l	99
94) Hexachlorobutadiene	15.01	225	48924	19.943	ug/l	98
95) Naphthalene	15.13	128	167140	18.435	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	64247	18.395	ug/l	98

(#) = 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: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

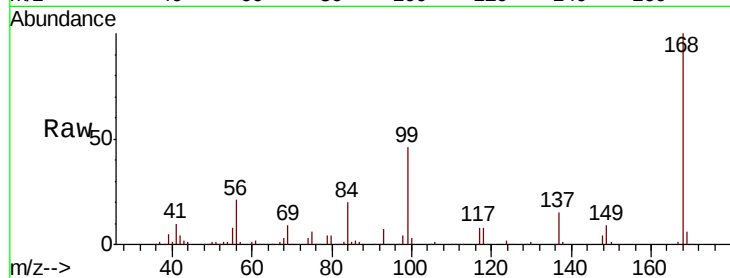
VN0524MBS01

Tot Ion:168 Resp: 357320

Ion Ratio Lower Upper

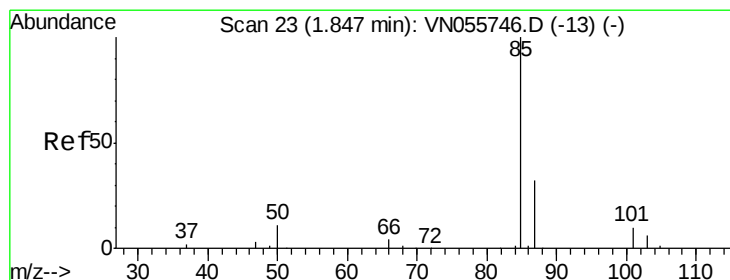
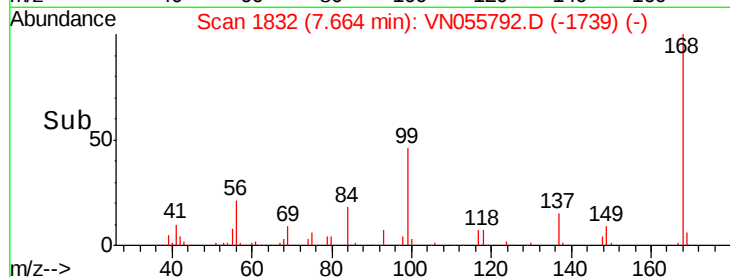
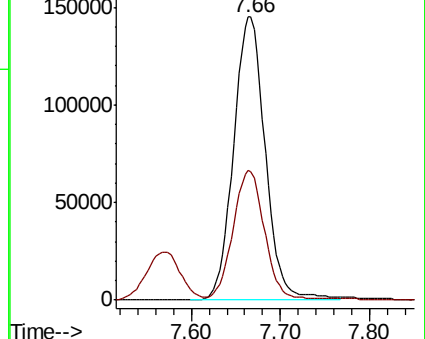
168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.063 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055792.D

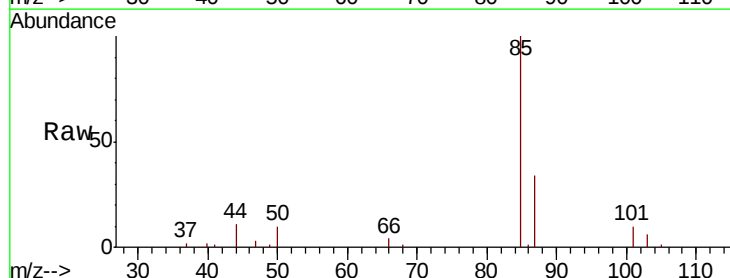
Acq: 24 May 2019 13:37

Tgt Ion: 85 Resp: 43437

Ion Ratio Lower Upper

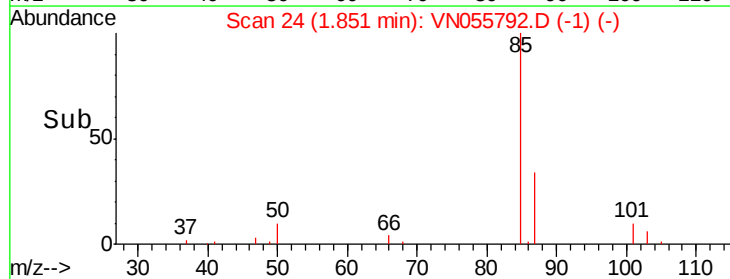
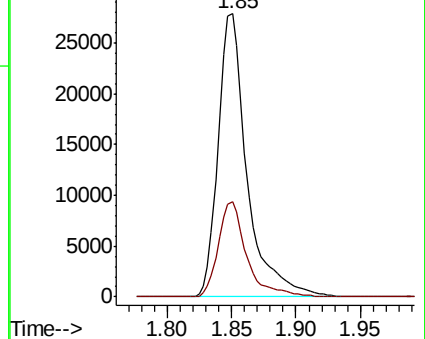
85 100

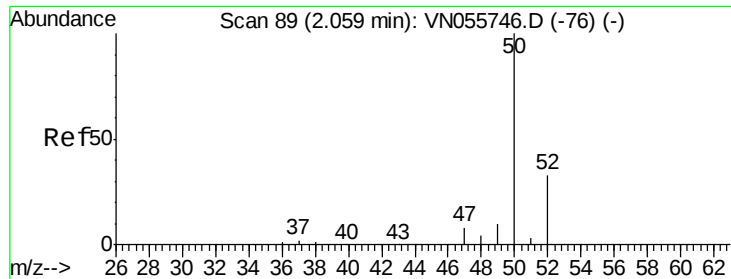
87 33.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

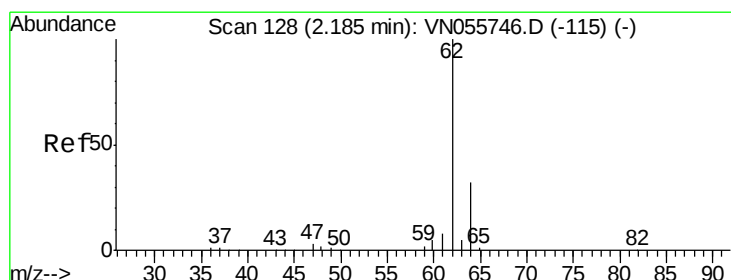
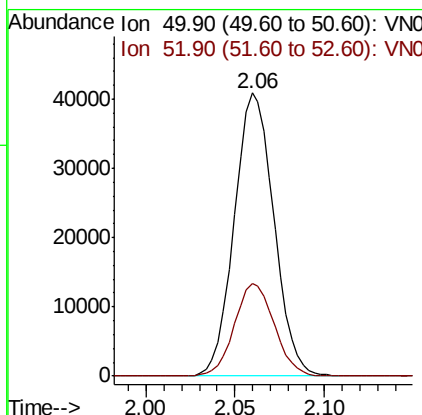
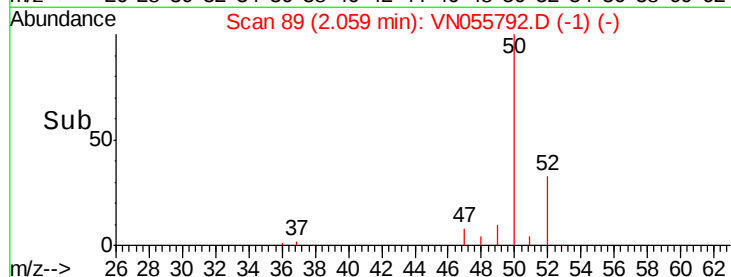
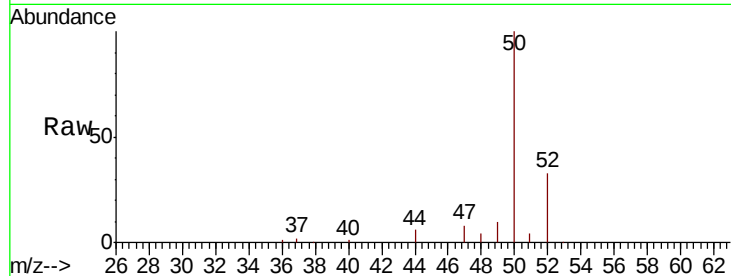




#3
 Chloromethane
 Concen: 18.735 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

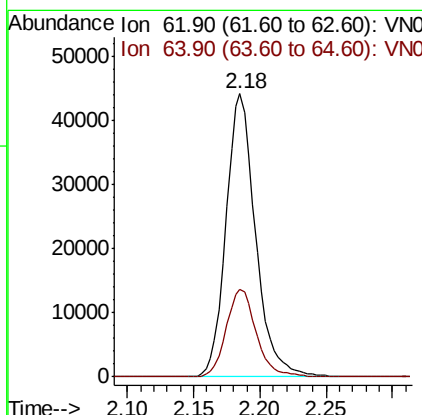
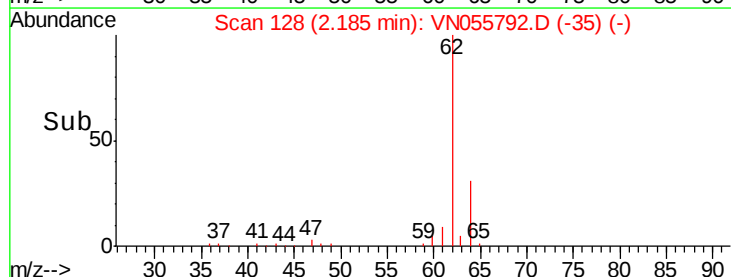
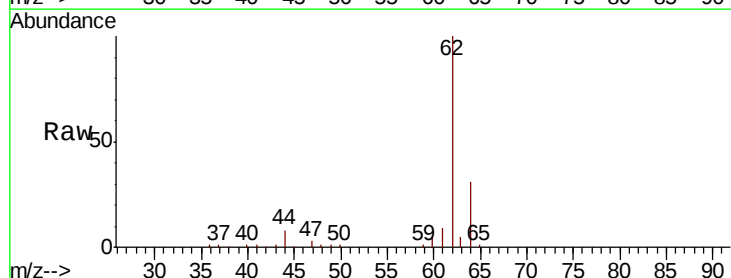
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

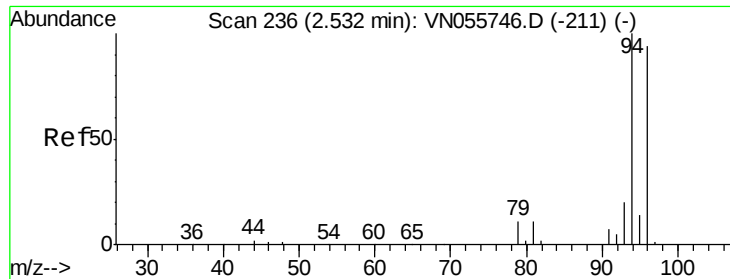
Tot Ion: 50 Resp: 63126
 Ion Ratio Lower Upper
 50 100
 52 32.9 26.6 40.0



#4
 Vinyl Chloride
 Concen: 19.056 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion: 62 Resp: 68482
 Ion Ratio Lower Upper
 62 100
 64 30.8 25.6 38.4

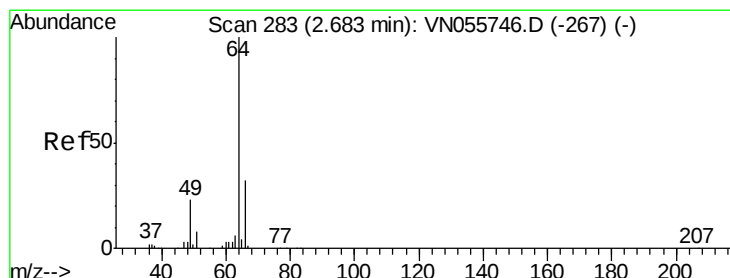
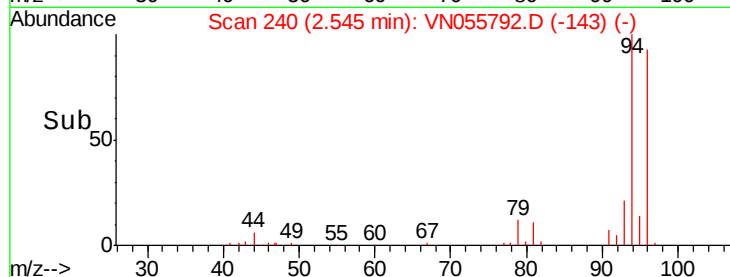
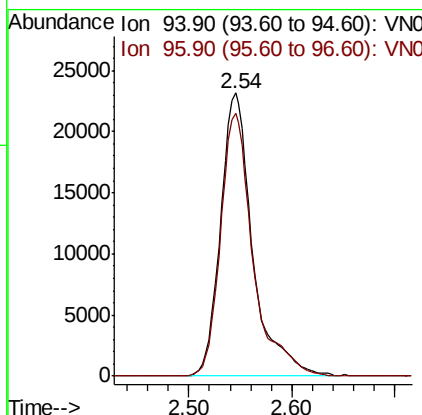
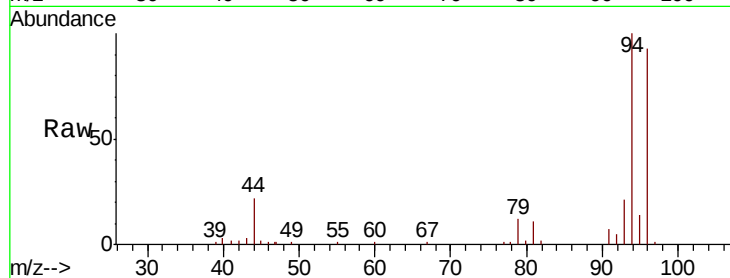




#5
Bromomethane
Concen: 22.345 ug/l
RT: 2.54 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

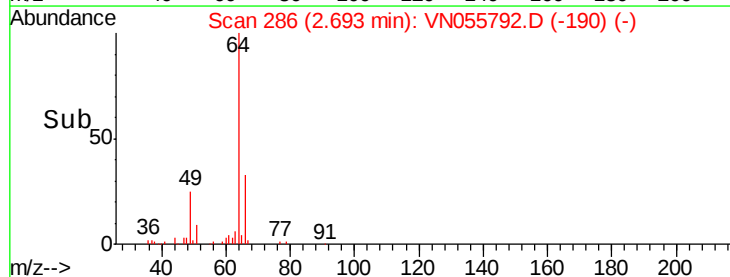
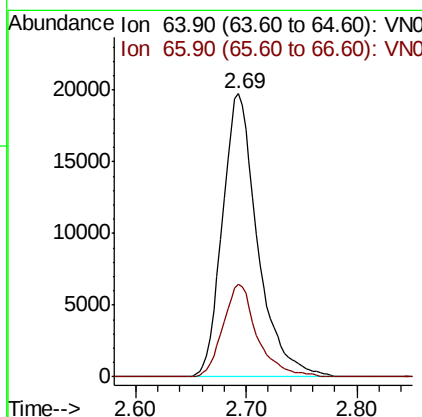
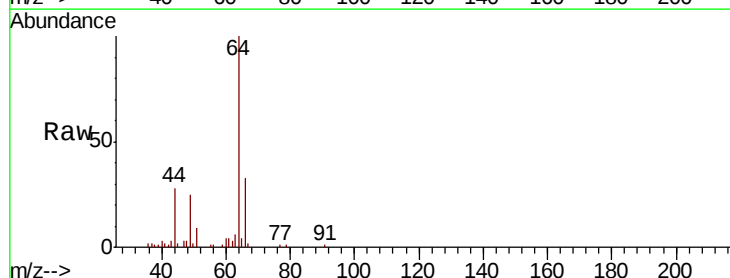
Instrument :
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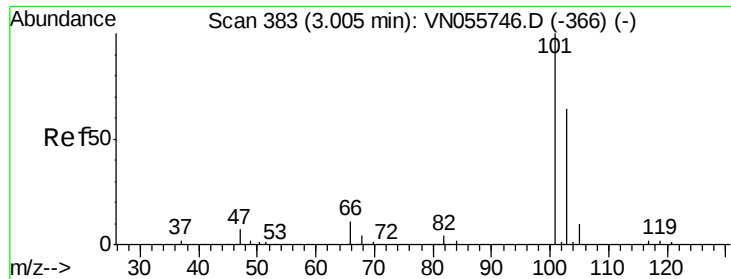
Tot Ion: 94 Resp: 50238
Ion Ratio Lower Upper
94 100
96 92.7 75.5 113.3



#6
Chloroethane
Concen: 20.149 ug/l
RT: 2.69 min Scan# 286
Delta R.T. 0.01 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 64 Resp: 43596
Ion Ratio Lower Upper
64 100
66 32.8 25.4 38.0



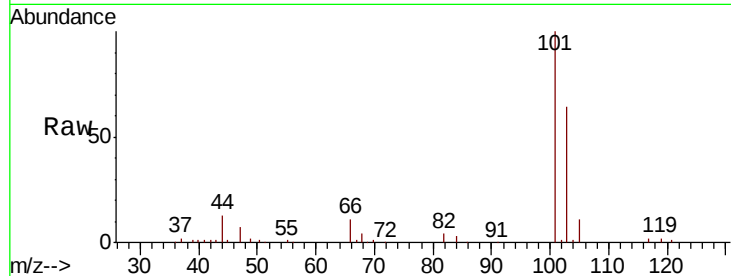


#7

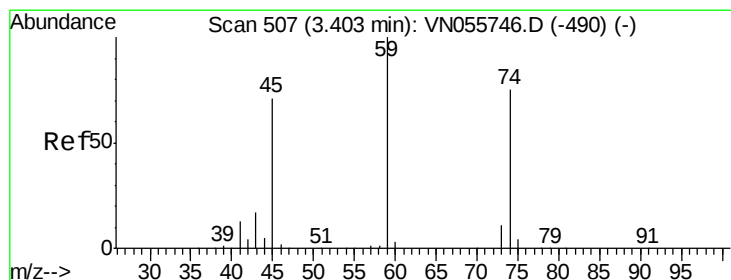
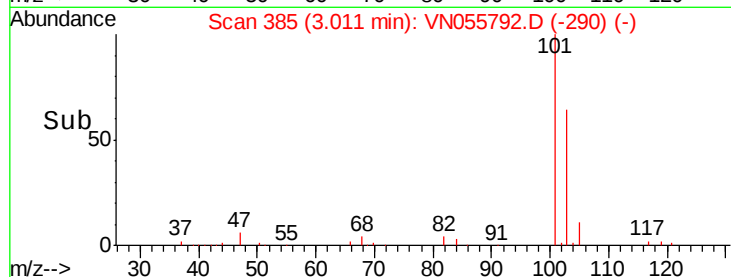
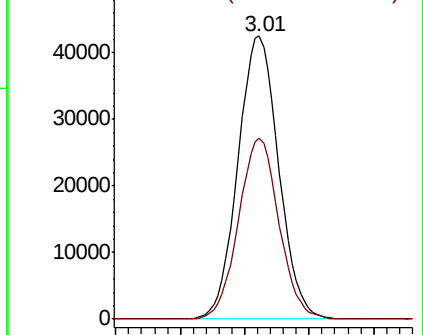
Trichlorofluoromethane
Concen: 19.800 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.01 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion:101 Resp: 93290
Ion Ratio Lower Upper
101 100
103 63.8 51.2 76.8



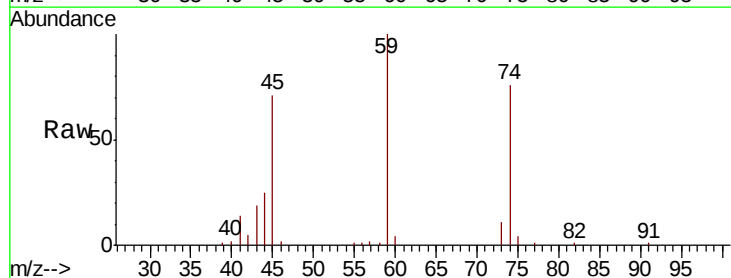
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



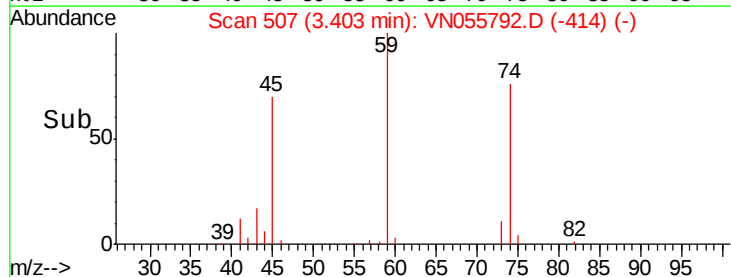
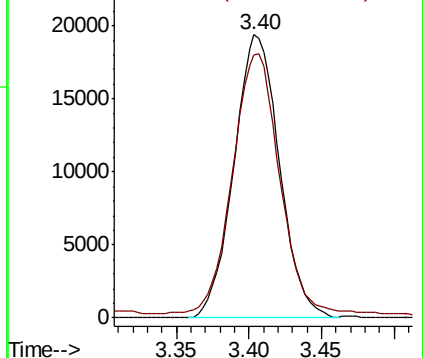
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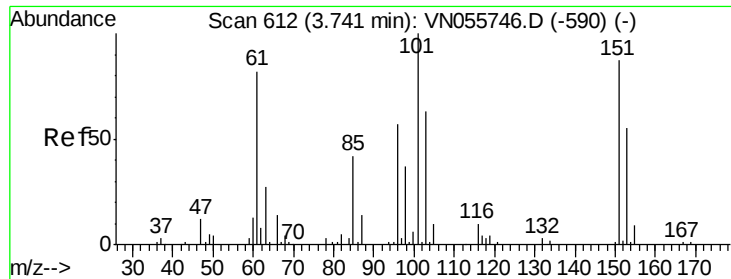
Diethyl Ether
Concen: 19.997 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 74 Resp: 42227
Ion Ratio Lower Upper
74 100
45 94.3 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.148 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

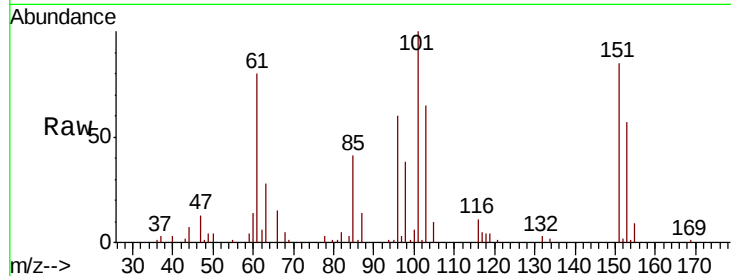
Tot Ion:101 Resp: 56317

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.2

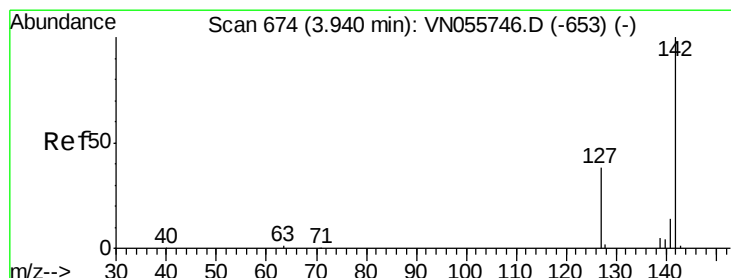
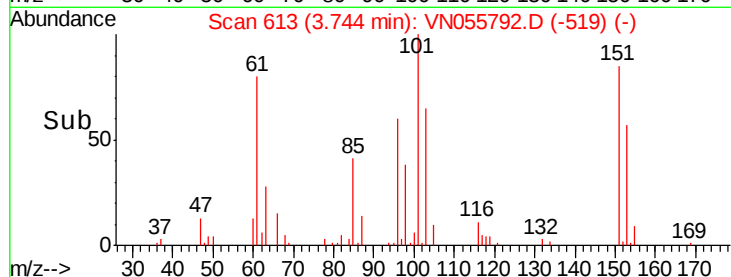
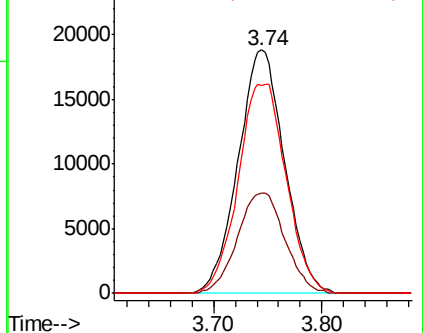
151 89.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.423 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

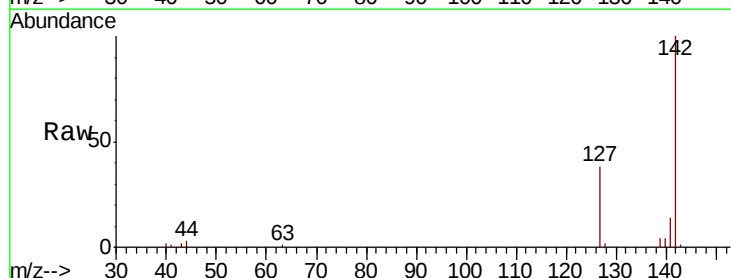
Tgt Ion:142 Resp: 87818

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

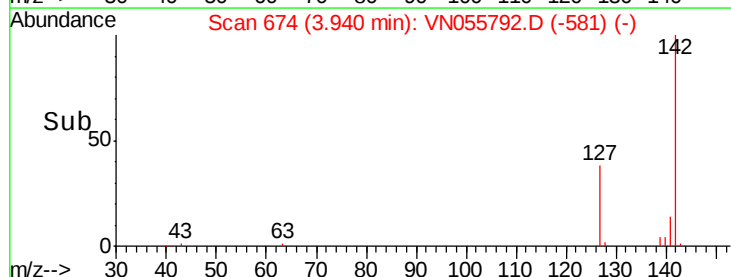
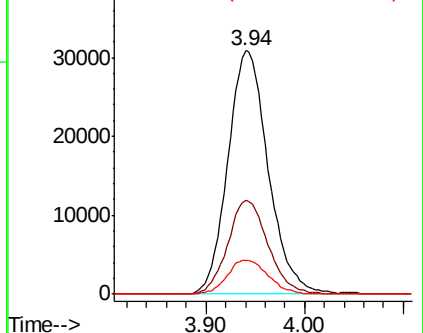
141 14.1 11.4 17.0

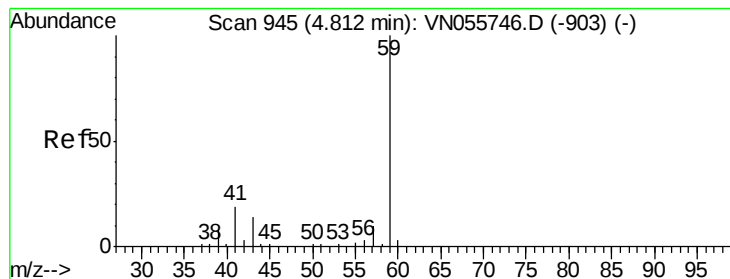


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



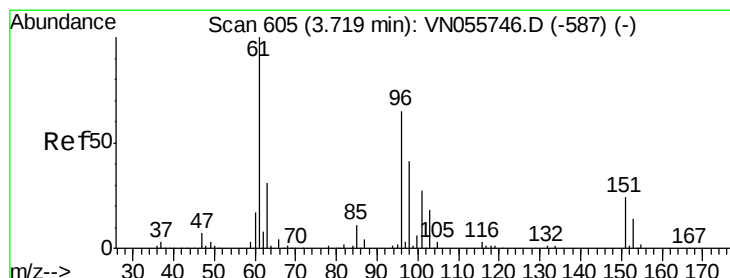
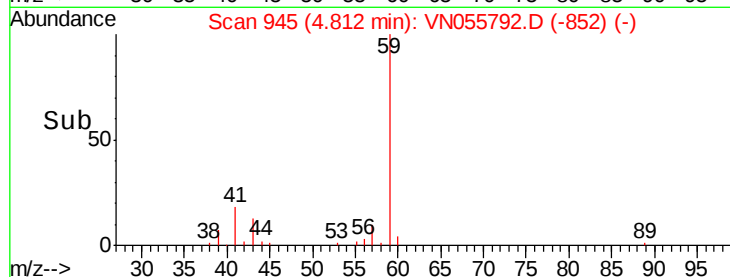
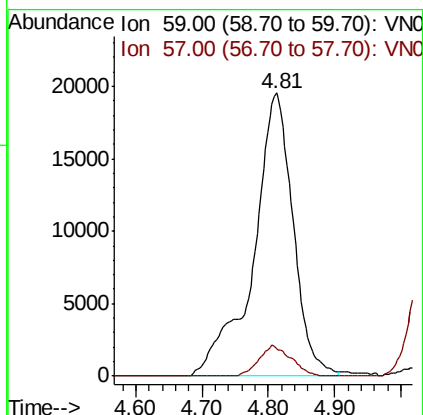
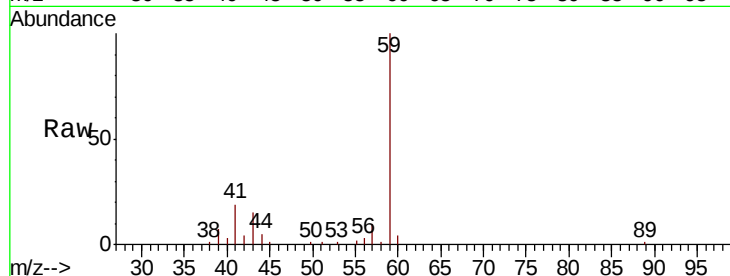


#11

Tert butyl alcohol
 Concen: 115.812 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

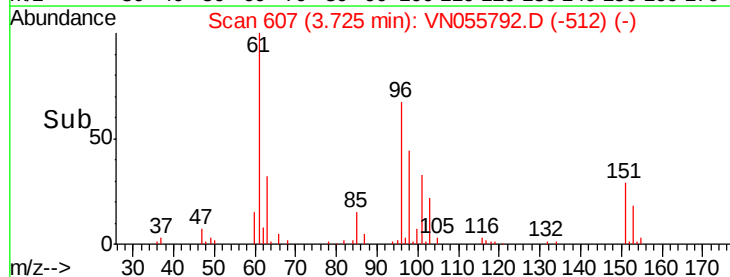
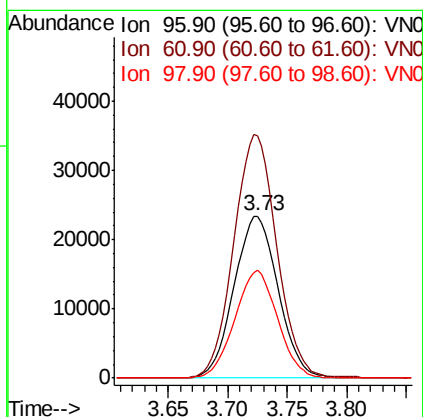
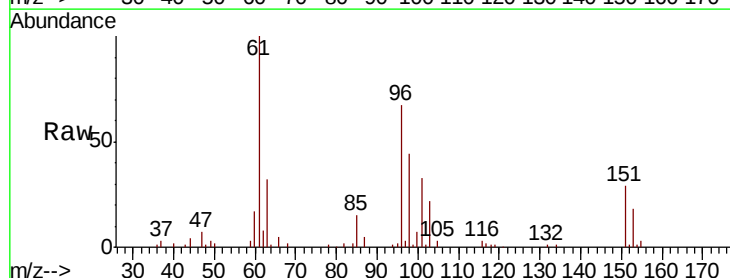
Tot Ion: 59 Resp: 81654
 Ion Ratio Lower Upper
 59 100
 57 8.7 7.8 11.6

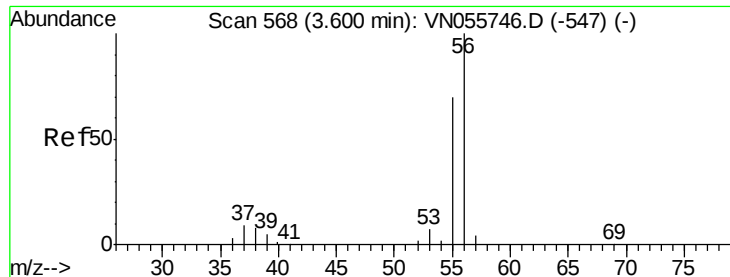


#12

1,1-Dichloroethene
 Concen: 19.754 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion: 96 Resp: 60030
 Ion Ratio Lower Upper
 96 100
 61 149.9 123.2 184.8
 98 66.4 50.4 75.6





#13

Acrolein

Concen: 83.682 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

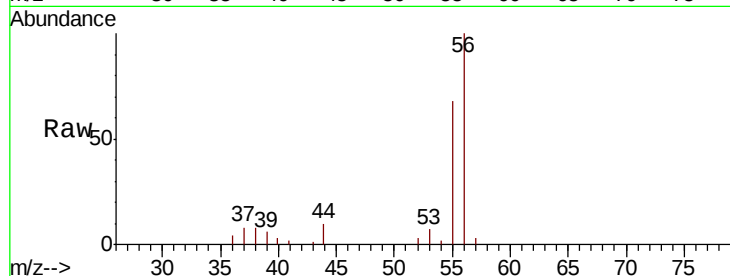
VN0524MBS01

Tot Ion: 56 Resp: 42247

Ion Ratio Lower Upper

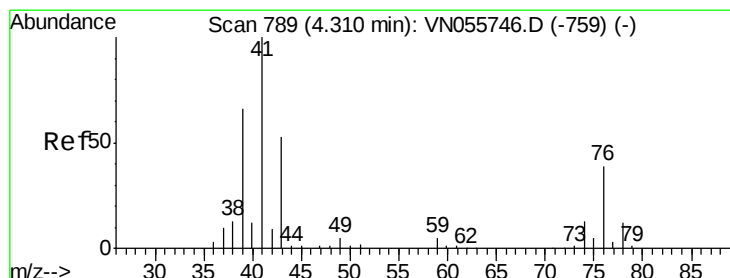
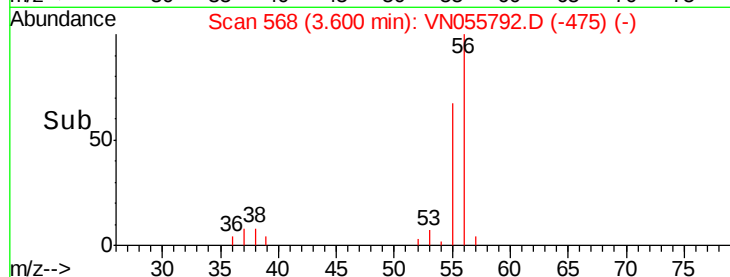
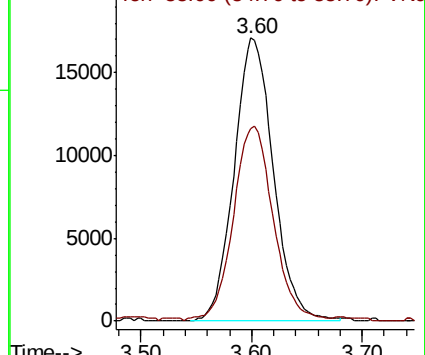
56 100

55 70.2 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: 19.089 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

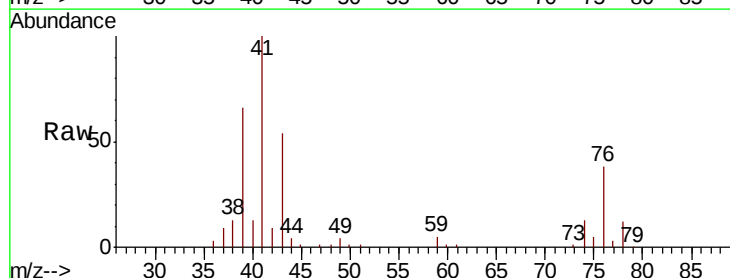
Tgt Ion: 41 Resp: 99448

Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

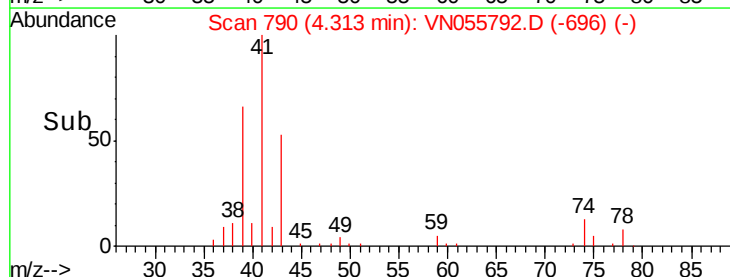
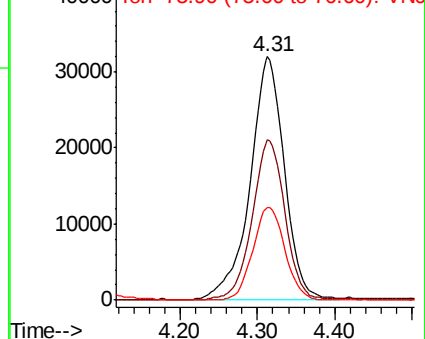
76 35.4 28.2 42.2

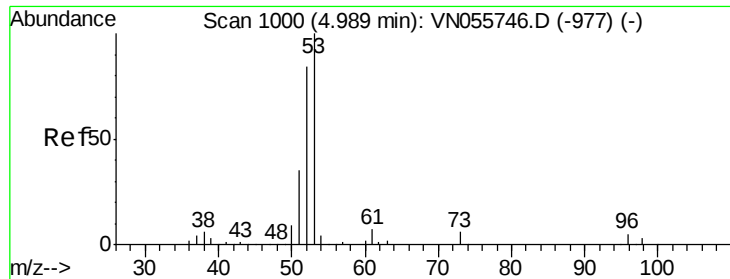


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.070 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

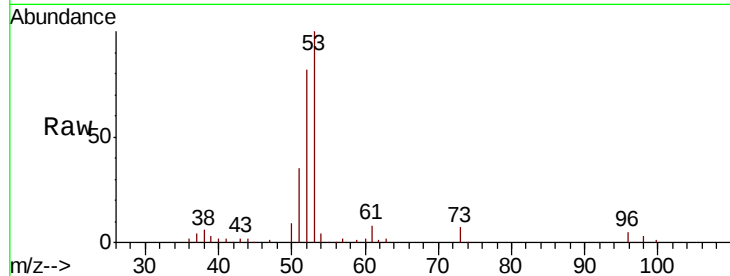
Tot Ion: 53 Resp: 160394

Ion Ratio Lower Upper

53 100

52 81.3 65.8 98.8

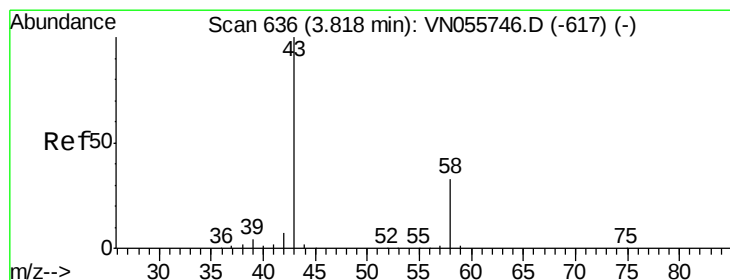
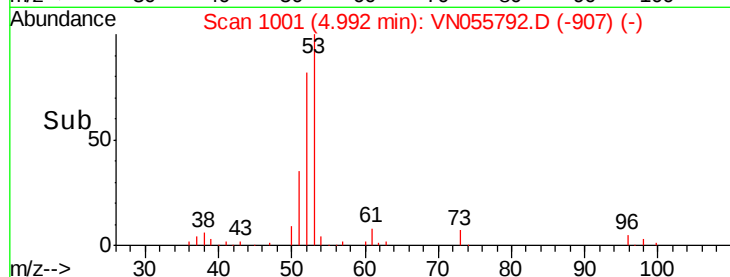
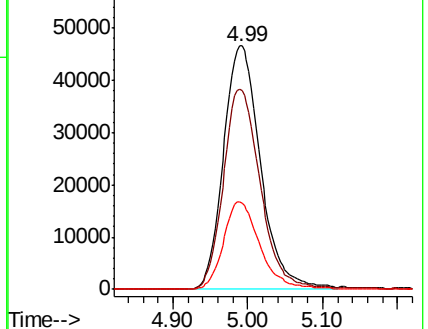
51 35.5 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055746.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN055746.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN055746.D (-977) (-)



#16

Acetone

Concen: 90.119 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055792.D

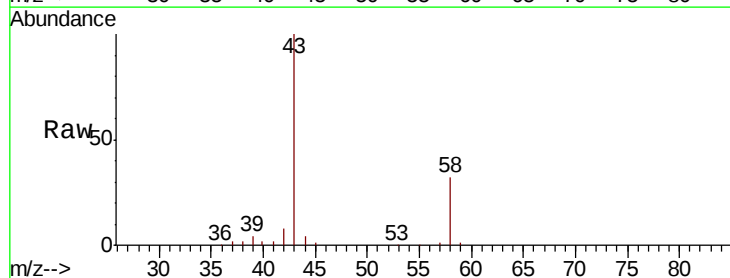
Acq: 24 May 2019 13:37

Tgt Ion: 43 Resp: 146181

Ion Ratio Lower Upper

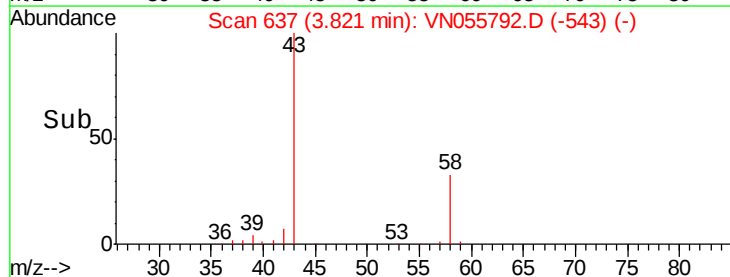
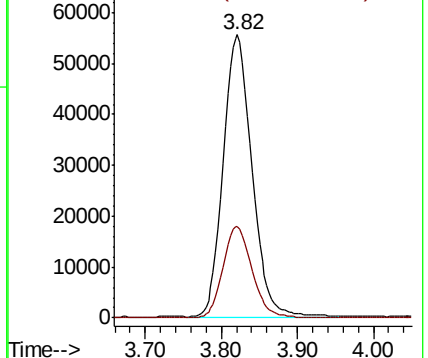
43 100

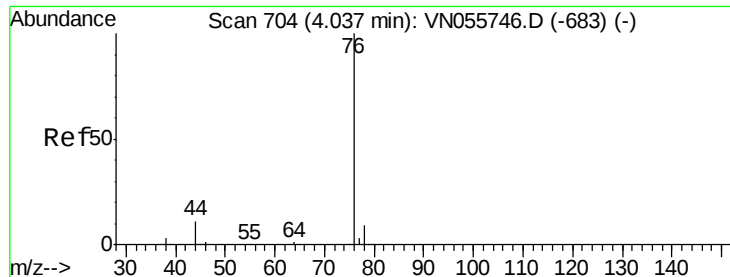
58 32.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-617) (-)

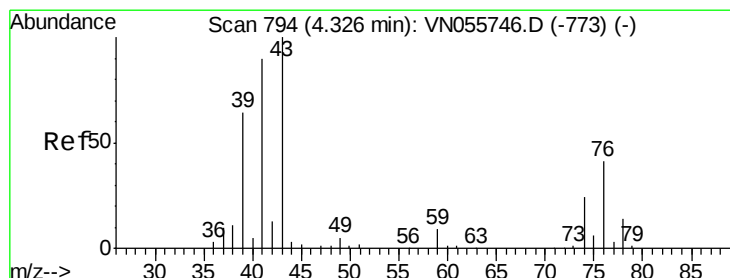
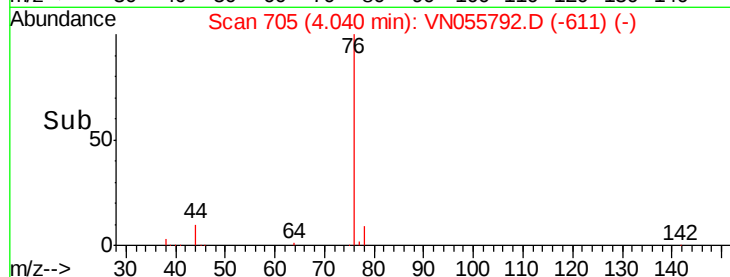
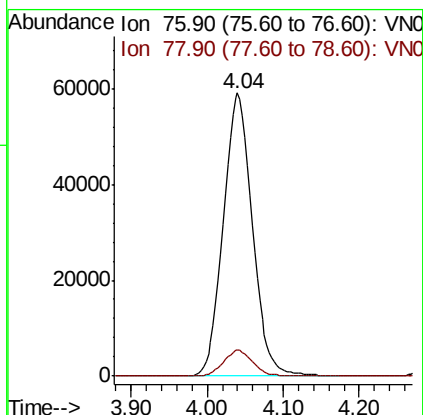
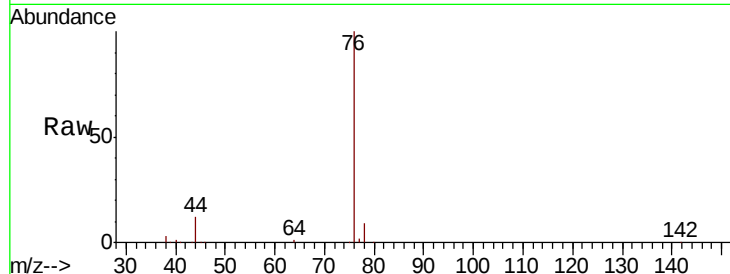




#17
Carbon Disulfide
Concen: 18.226 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

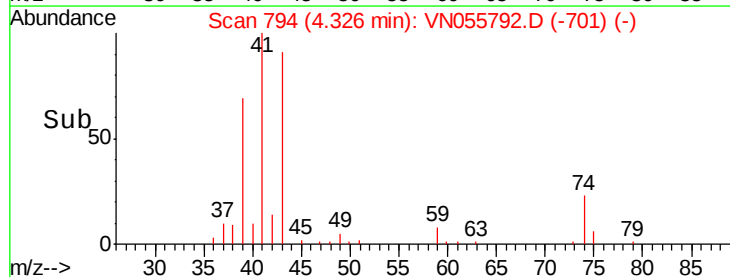
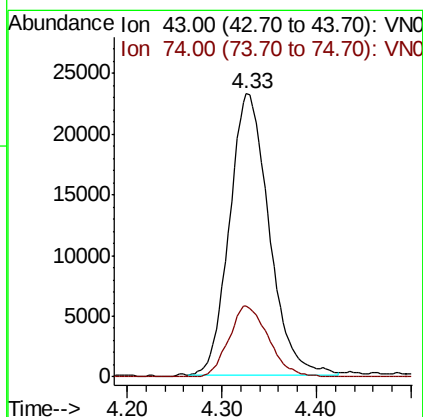
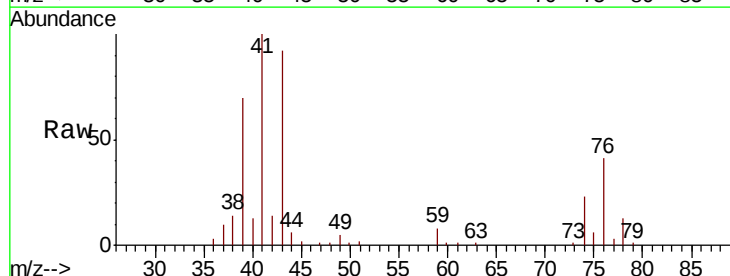
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

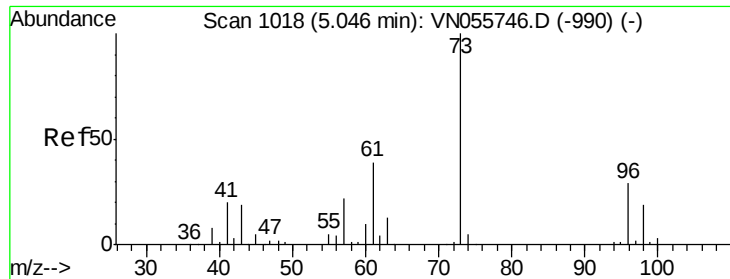
Tot Ion: 76 Resp: 157362
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 19.606 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 43 Resp: 67189
Ion Ratio Lower Upper
43 100
74 25.2 19.3 28.9

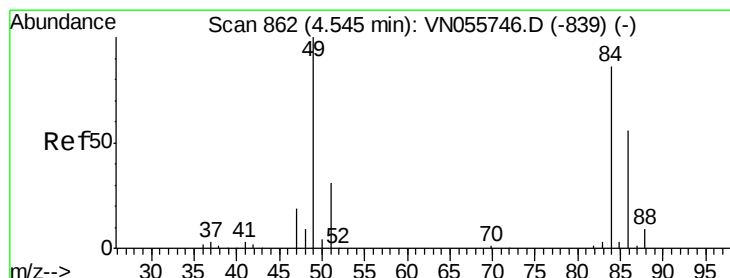
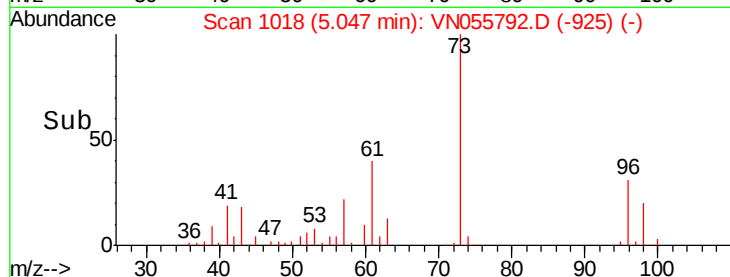
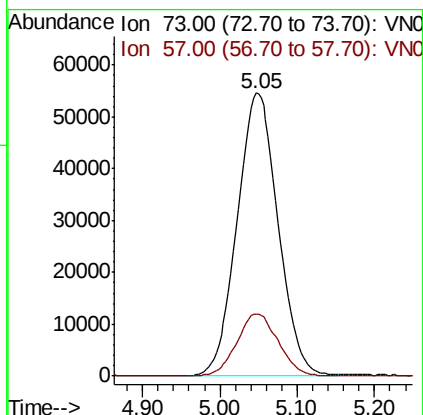
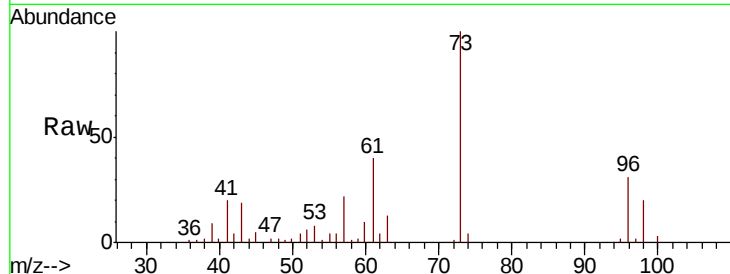




#19
Methvl tert-butvl Ether
Concen: 19.861 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

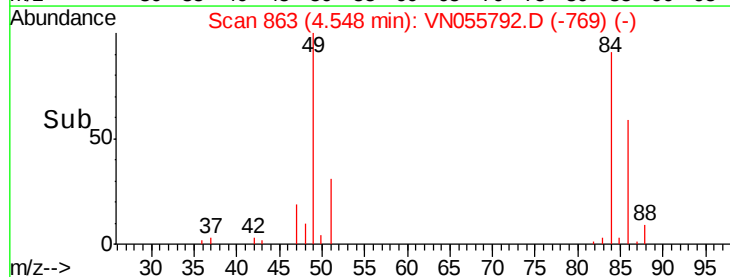
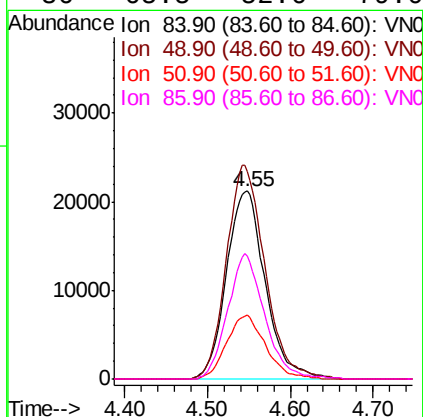
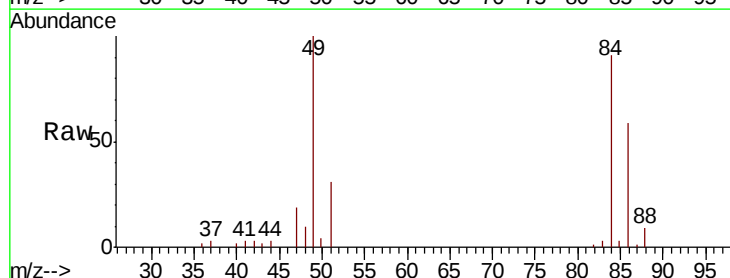
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

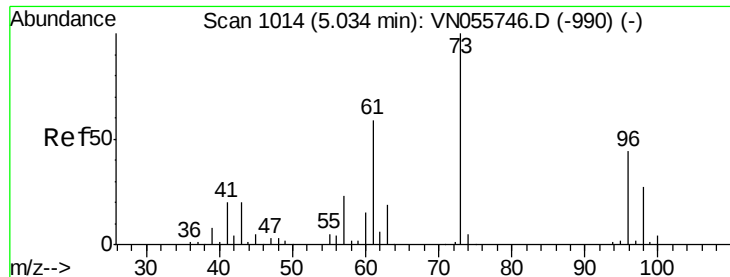
Tot Ion: 73 Resp: 201291
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8



#20
Methylene Chloride
Concen: 19.647 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 84 Resp: 69017
Ion Ratio Lower Upper
84 100
49 110.5 93.5 140.3
51 33.9 28.6 43.0
86 65.5 52.6 79.0

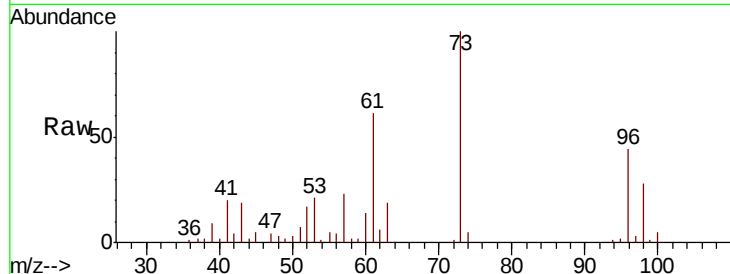




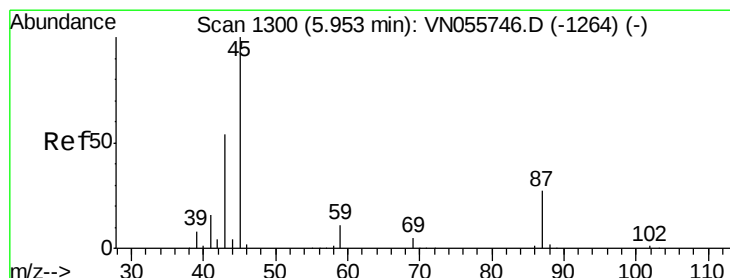
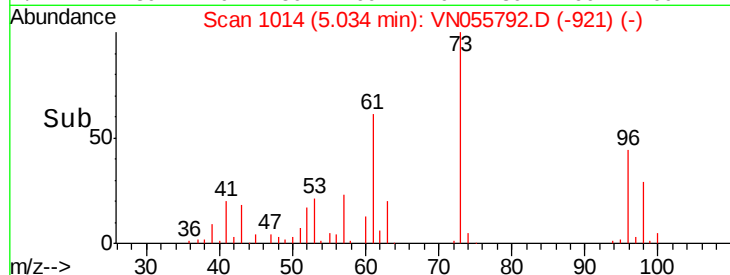
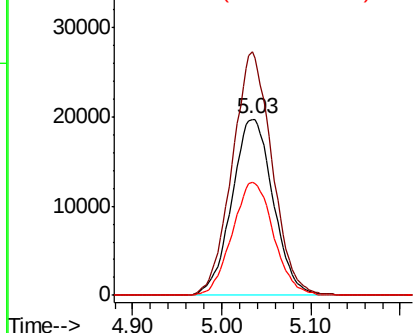
#21
trans-1,2-Dichloroethene
Concen: 19.506 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion: 96 Resp: 63682
Ion Ratio Lower Upper
96 100
61 138.3 107.8 161.8
98 64.4 49.8 74.8

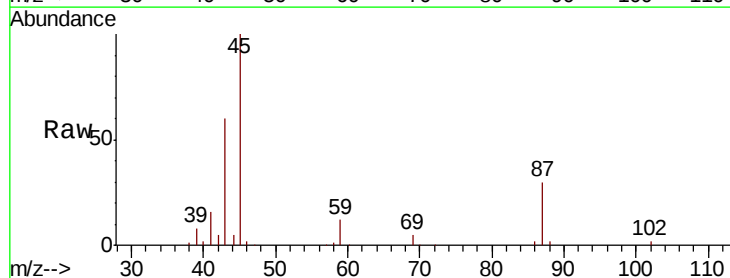


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

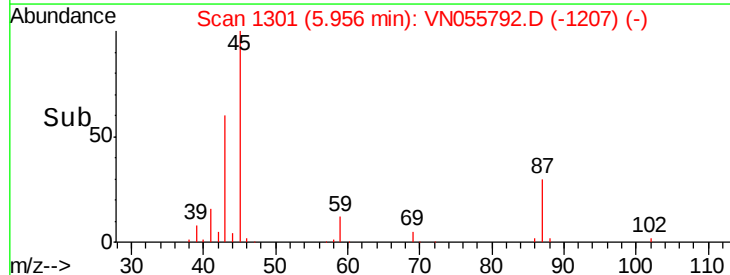
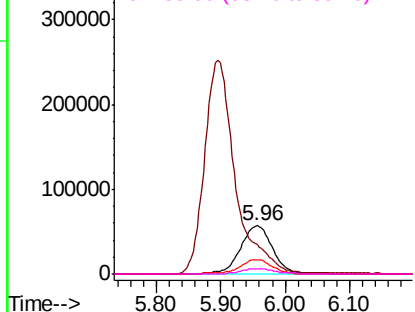


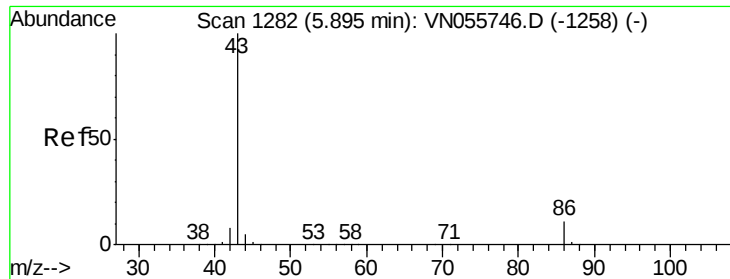
#22
Diisopropyl ether
Concen: 19.588 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 45 Resp: 198479
Ion Ratio Lower Upper
45 100
43 58.2 45.0 67.6
87 29.9 22.2 33.4
59 11.6 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

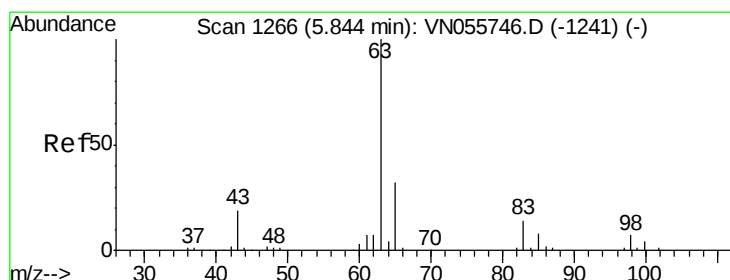
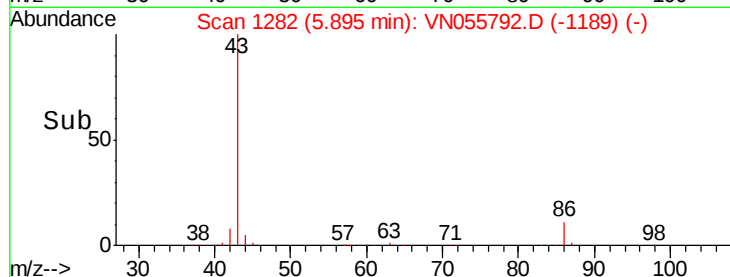
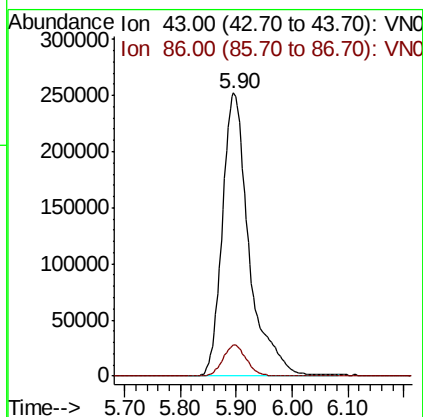
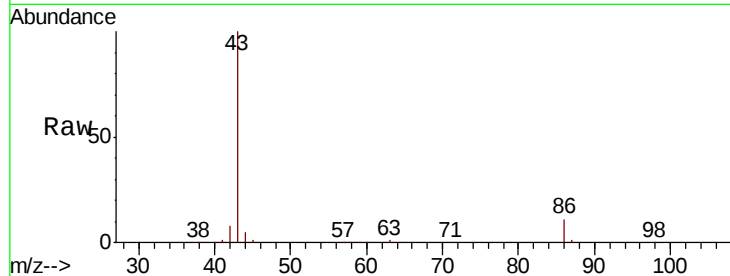




#23
 Vinyl Acetate
 Concen: 97.017 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

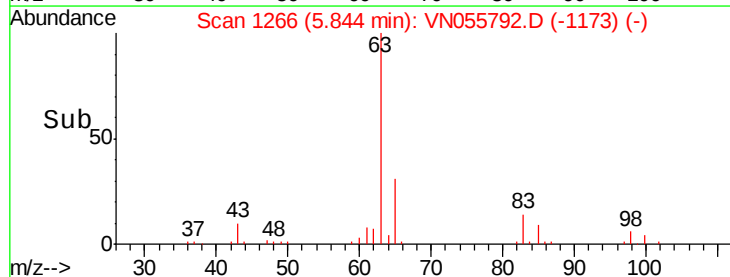
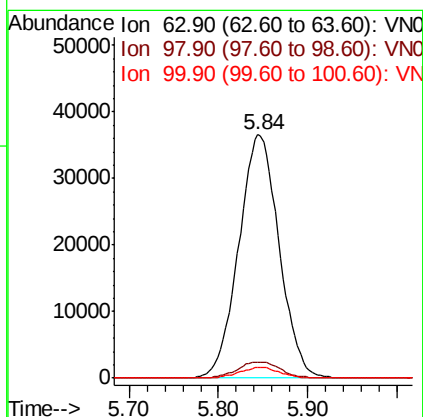
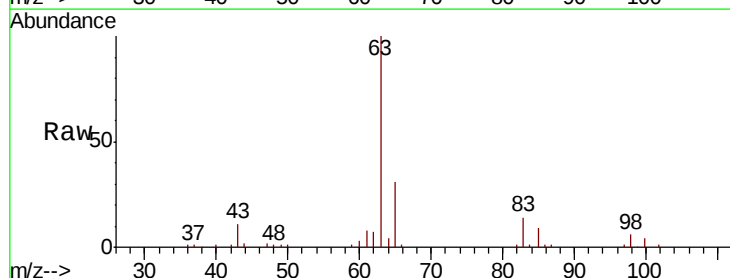
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

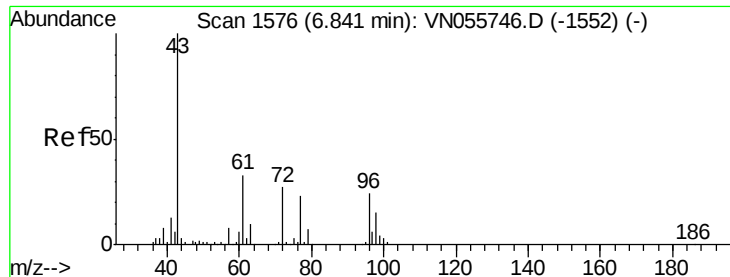
Tot Ion: 43 Resp: 842825
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.449 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion: 63 Resp: 114740
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.5 2.2 6.6

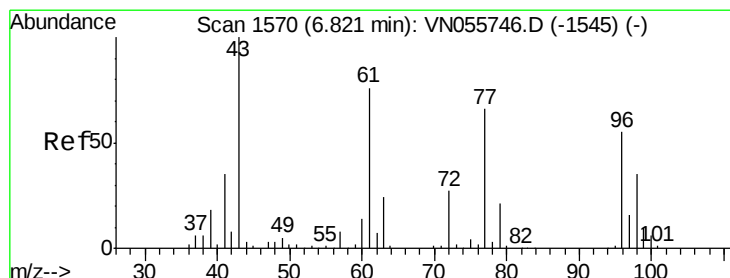
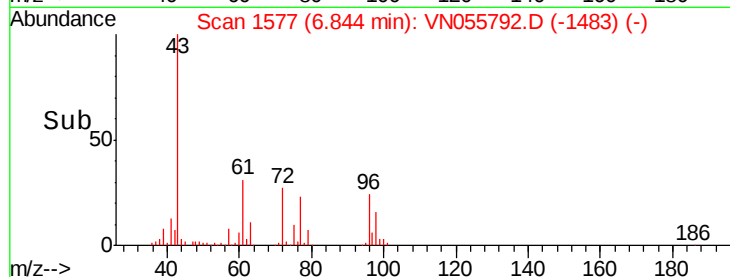
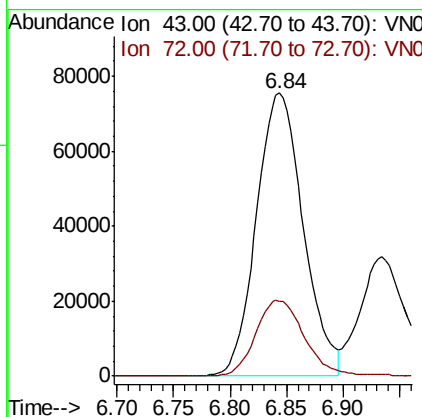
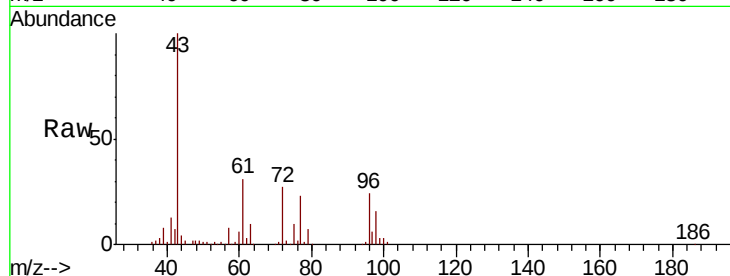




#25
2-Butanone
Concen: 95.894 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

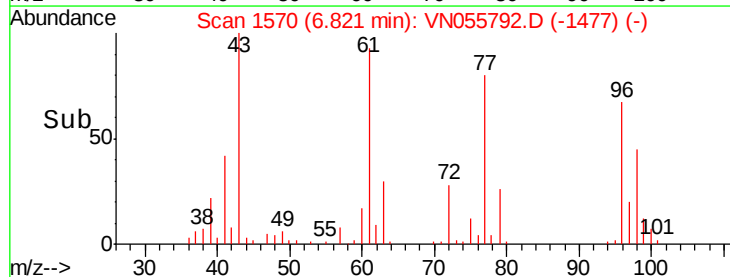
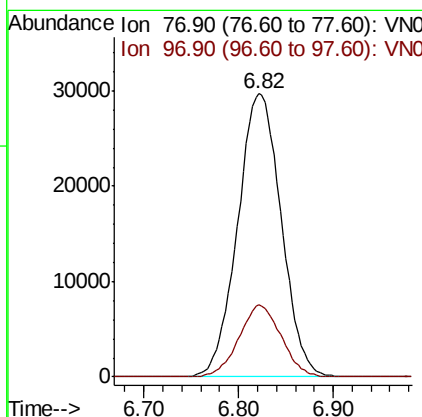
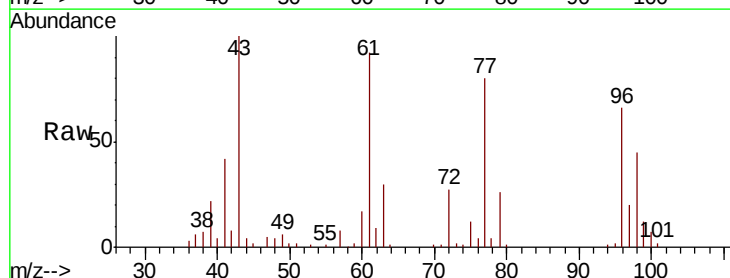
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

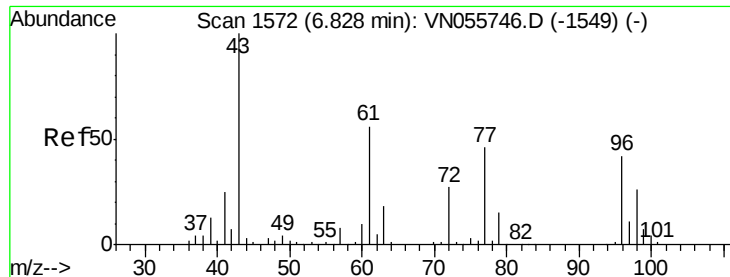
Tot Ion: 43 Resp: 217237
Ion Ratio Lower Upper
43 100
72 26.6 21.9 32.9



#26
2,2-Dichloropropane
Concen: 18.561 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 77 Resp: 94768
Ion Ratio Lower Upper
77 100
97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.110 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

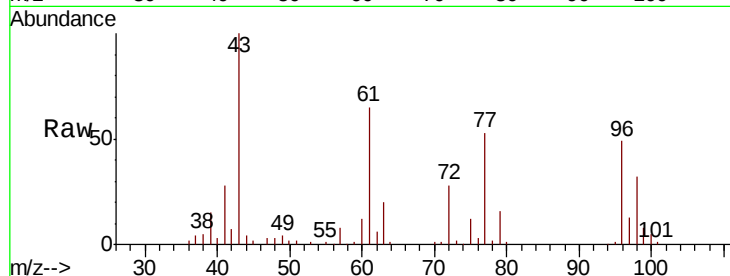
Tot Ion: 96 Resp: 76599

Ion Ratio Lower Upper

96 100

61 135.9 0.0 275.8

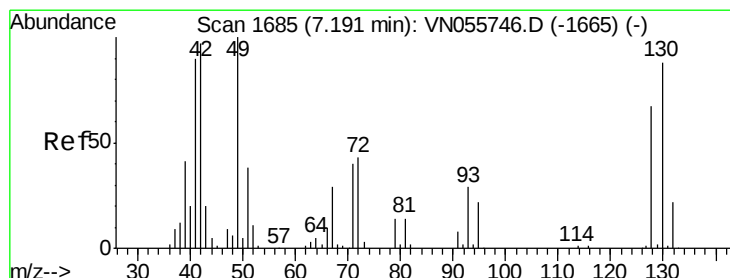
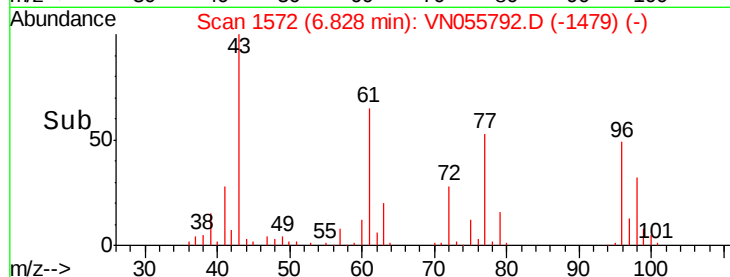
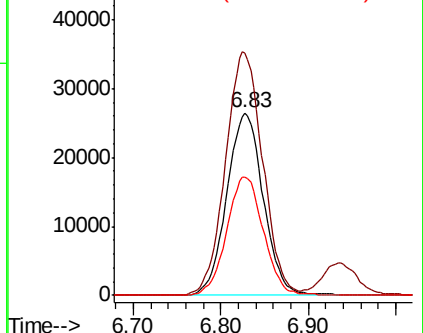
98 65.1 0.0 128.4



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: 20.039 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

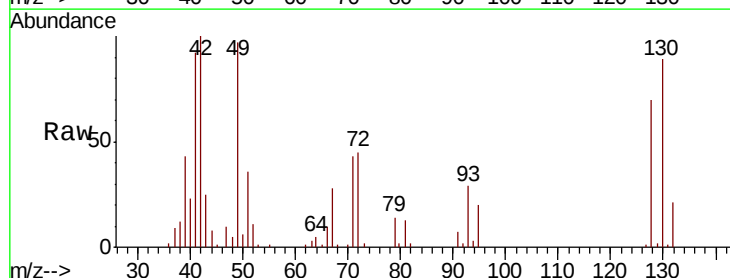
Tgt Ion: 49 Resp: 56285

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

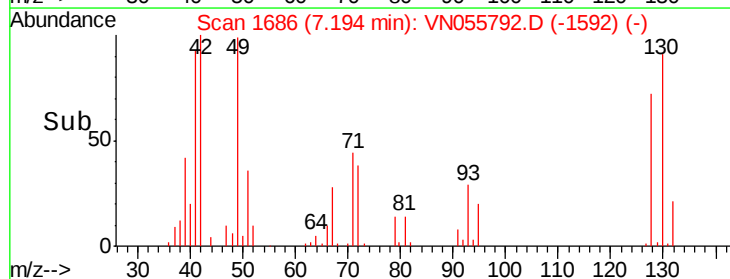
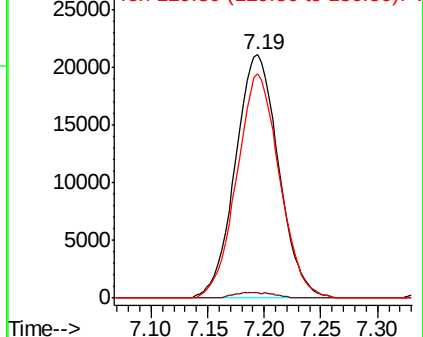
130 90.8 71.2 106.8

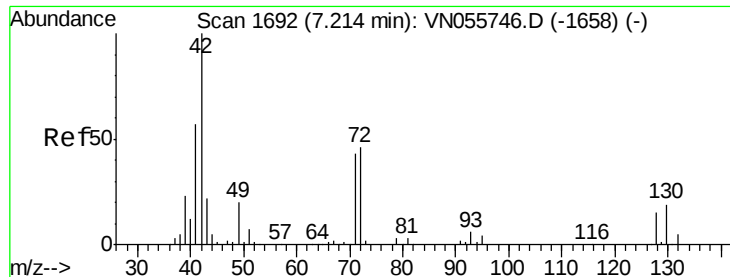


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 97.891 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN0524MBS01

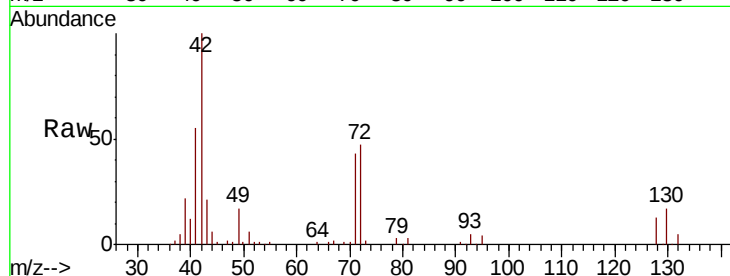
Tot Ion: 42 Resp: 140435

Ion Ratio Lower Upper

42 100

72 46.6 35.9 53.9

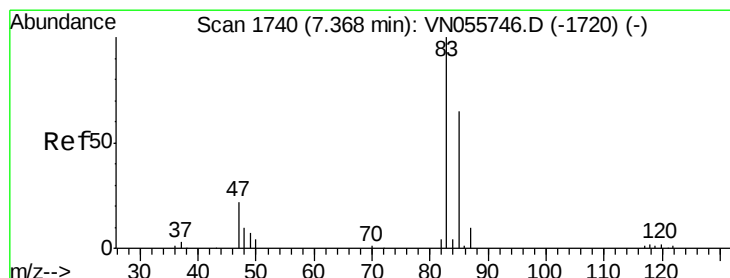
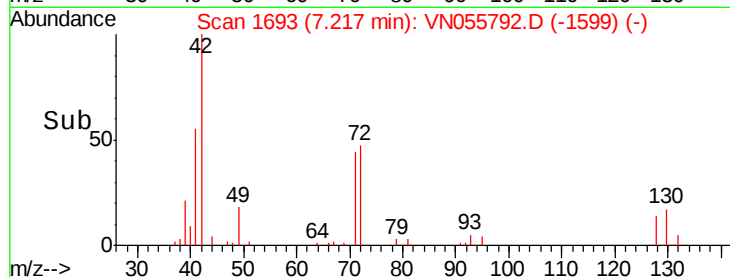
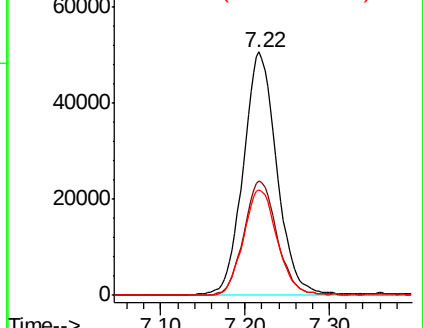
71 43.7 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.974 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055792.D

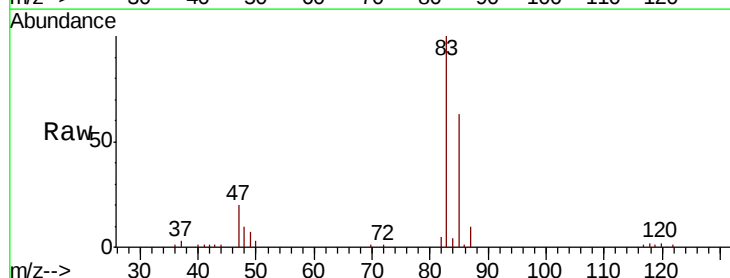
Acq: 24 May 2019 13:37

Tgt Ion: 83 Resp: 117514

Ion Ratio Lower Upper

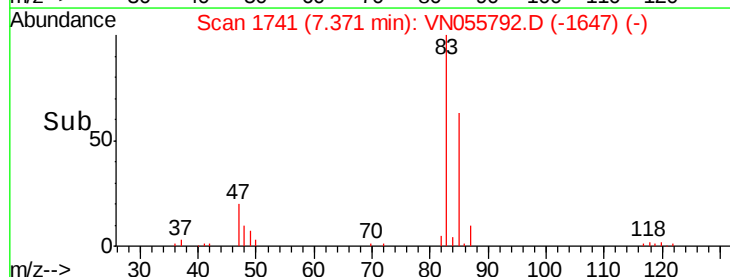
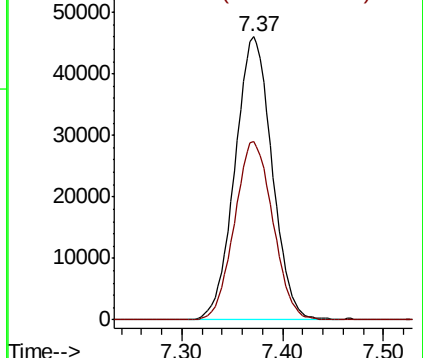
83 100

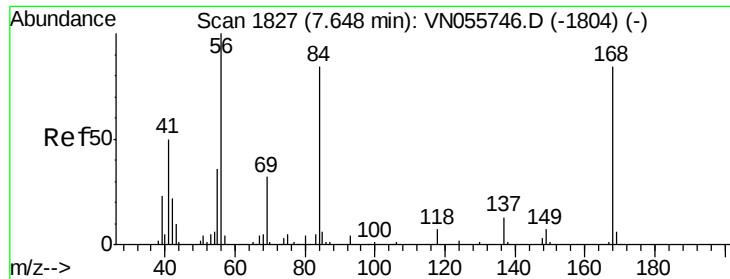
85 63.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

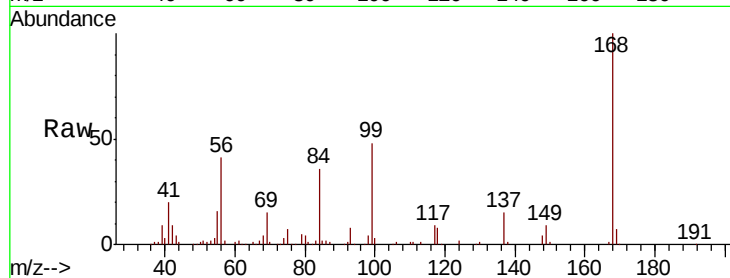




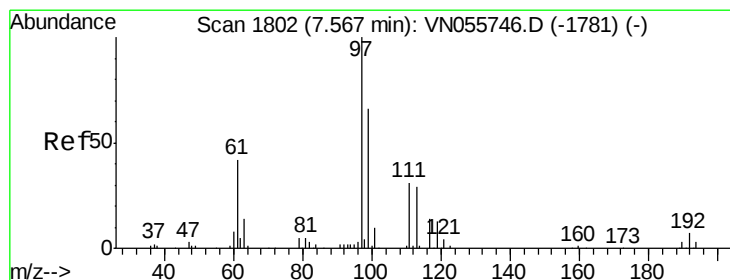
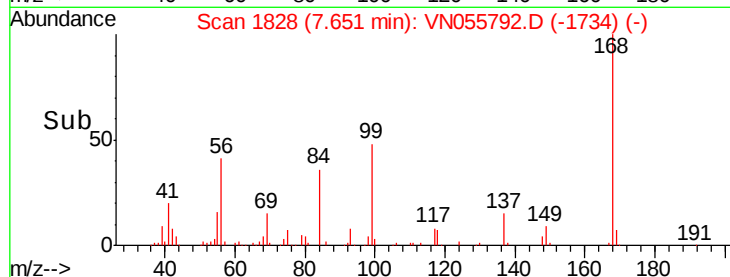
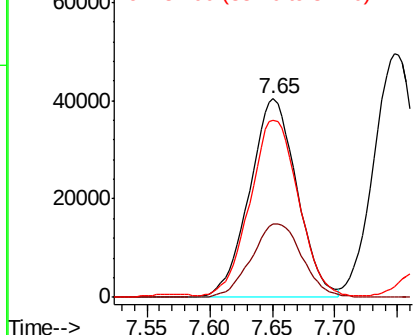
#31
Cyclohexane
Concen: 19.187 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion: 56 Resp: 106270
Ion Ratio Lower Upper
56 100
69 36.8 25.6 38.4
84 88.0 67.4 101.0

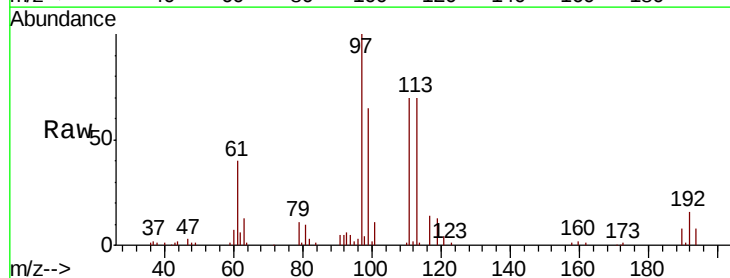


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

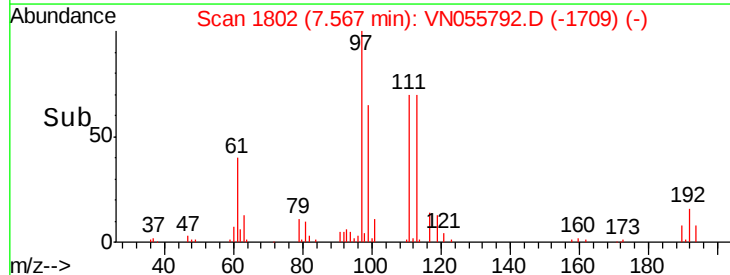
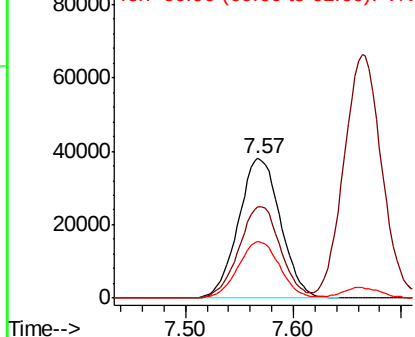


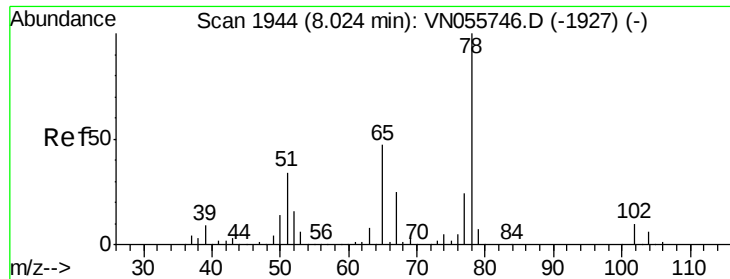
#32
1,1,1-Trichloroethane
Concen: 19.642 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 97 Resp: 103121
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 40.0 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: 50.393 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

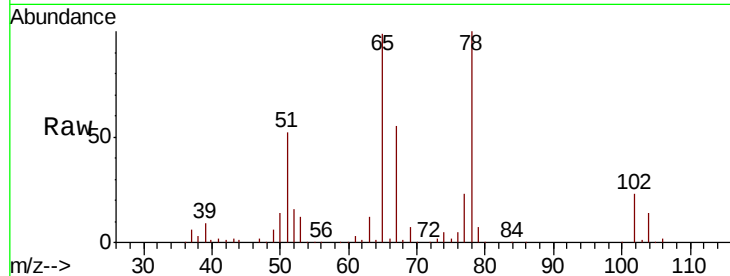
VN0524MBS01

Tot Ion: 65 Resp: 185956

Ion Ratio Lower Upper

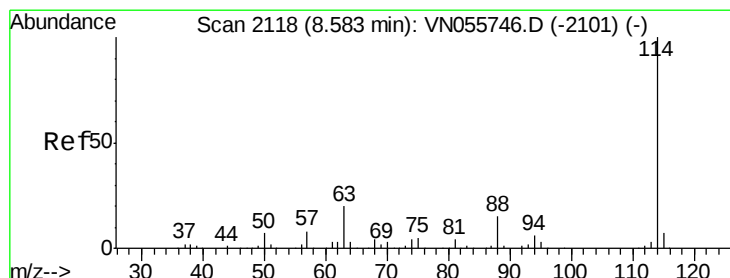
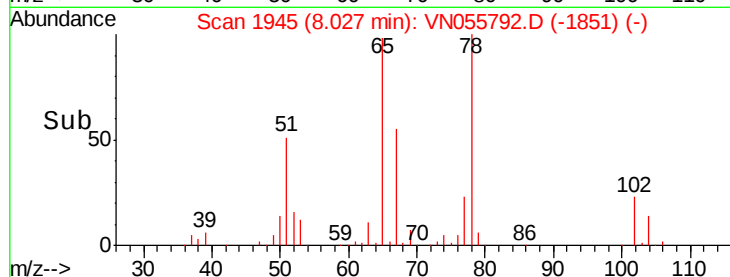
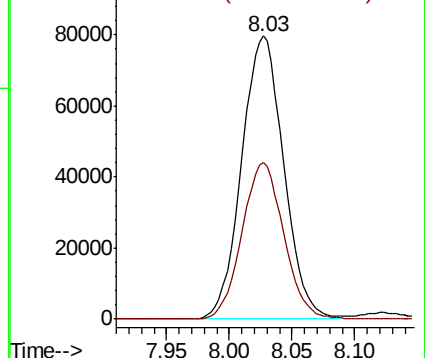
65 100

67 54.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055792.D (-1851) (-)

Ion 66.90 (66.60 to 67.60): VN055792.D (-1851) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

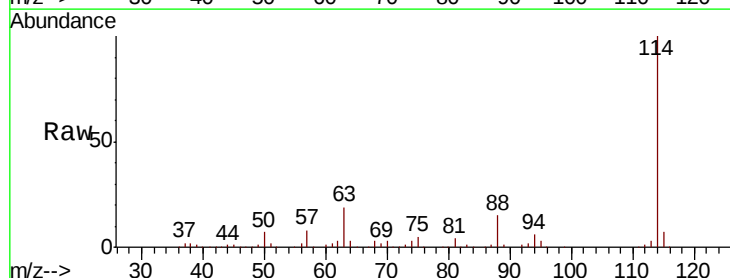
Tgt Ion: 114 Resp: 523432

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.2

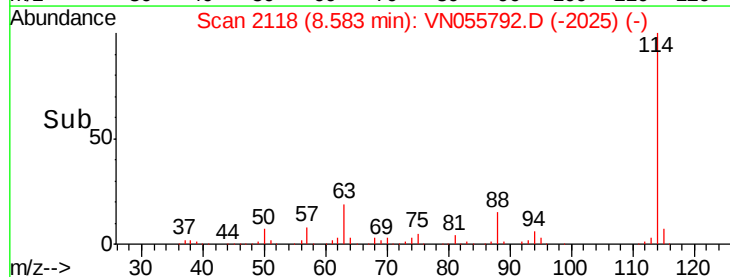
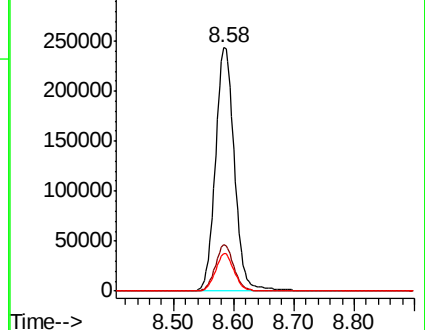
88 15.4 0.0 31.0

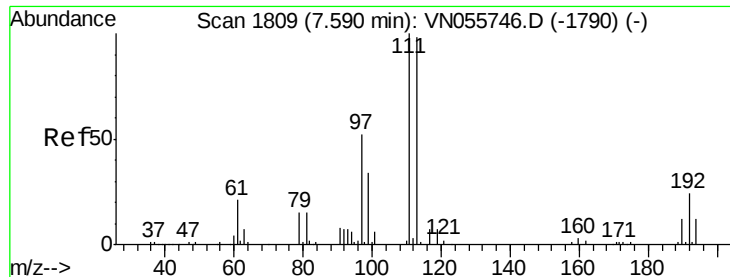


Abundance Ion 113.90 (113.60 to 114.60): VN055792.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN055792.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN055792.D (-2025) (-)

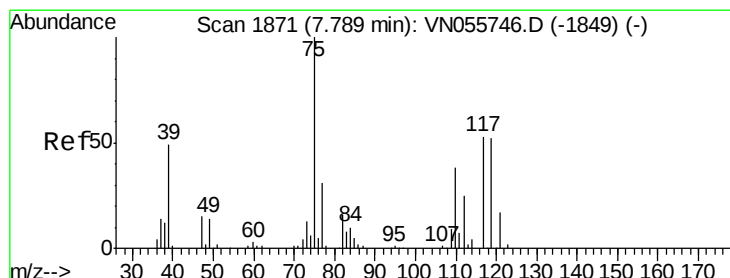
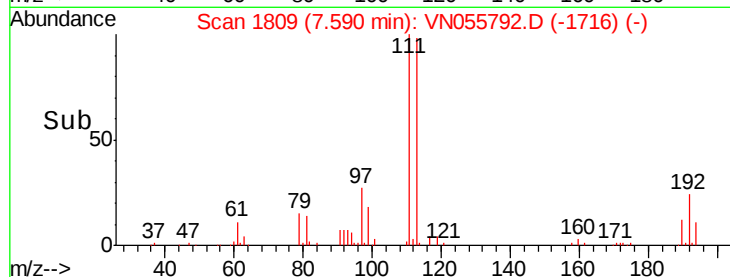
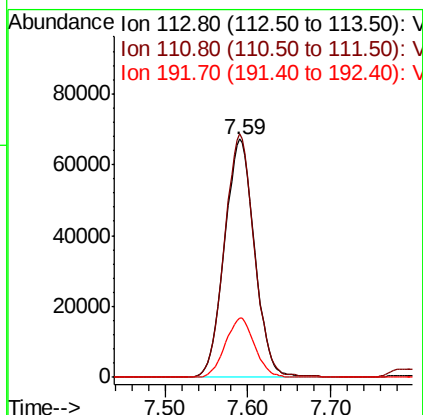
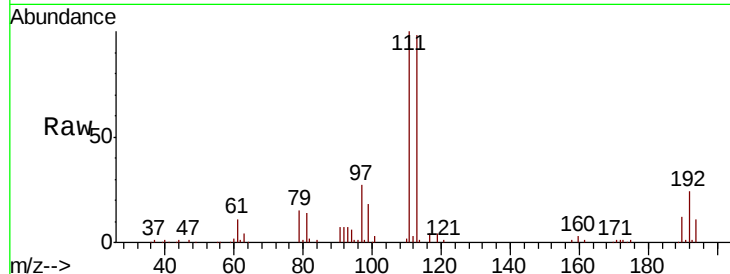




#35
 Dibromofluoromethane
 Concen: 51.162 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

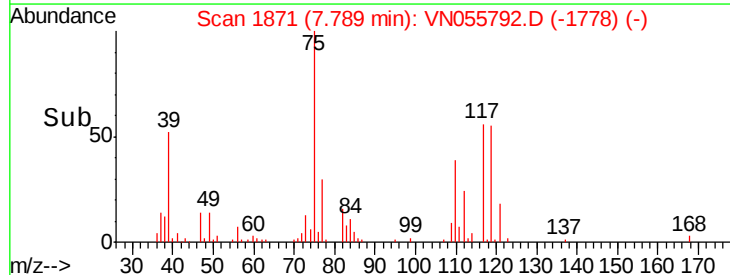
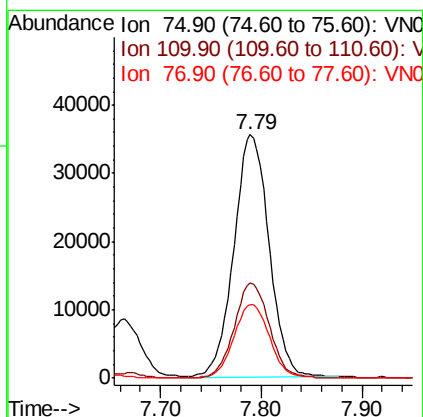
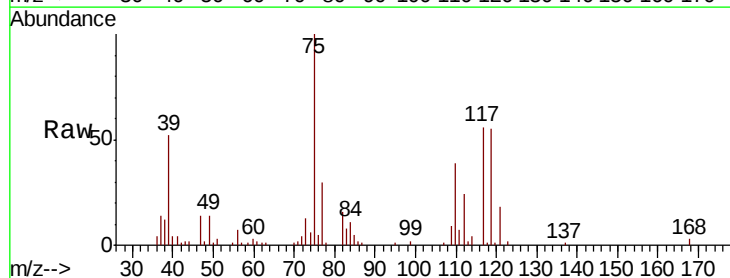
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

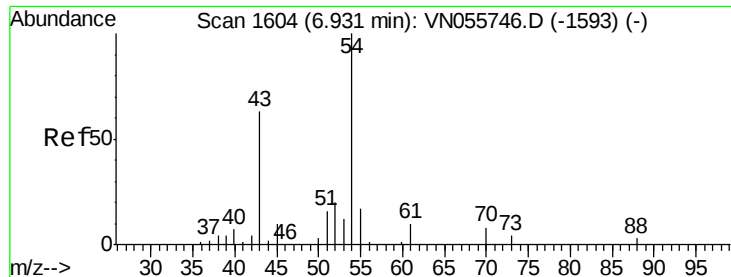
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.9	122.9
192	24.3	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 18.884 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.0	57.0
77	31.0	25.1	37.7

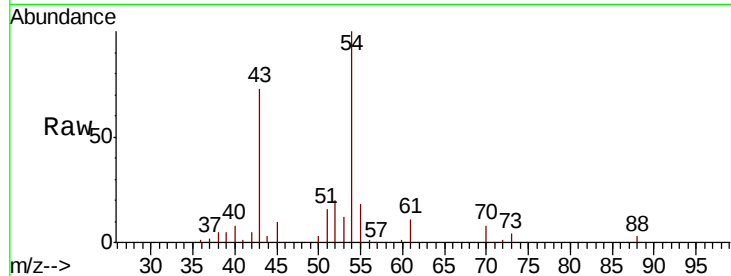




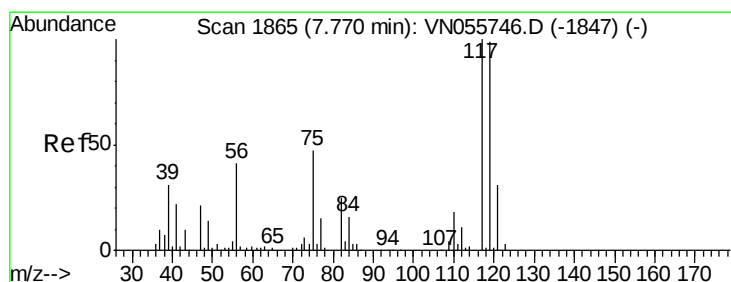
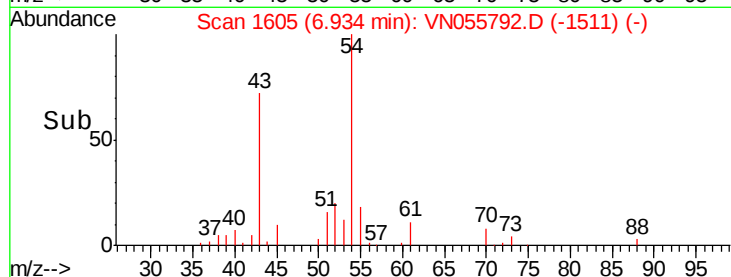
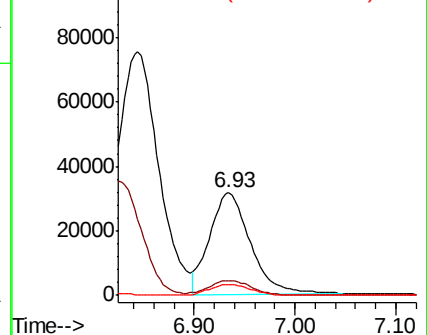
#37
Ethyl Acetate
Concen: 19.956 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion: 43 Resp: 87978
Ion Ratio Lower Upper
43 100
61 14.2 12.2 18.2
70 11.0 8.9 13.3

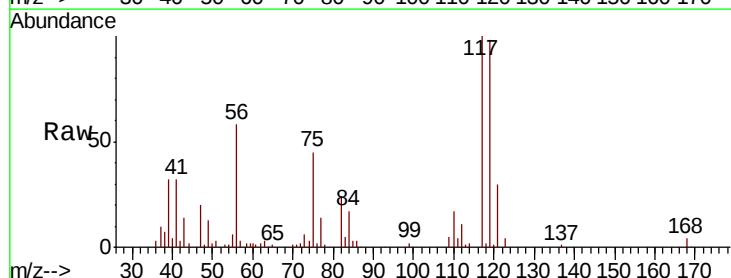


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

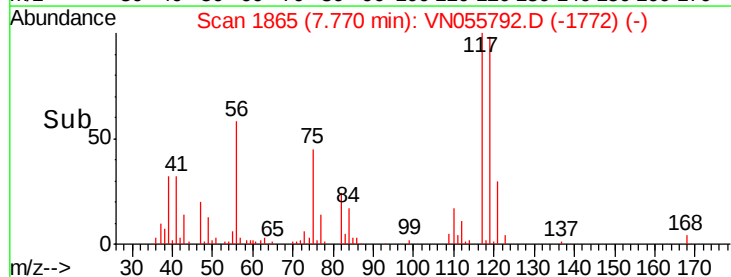
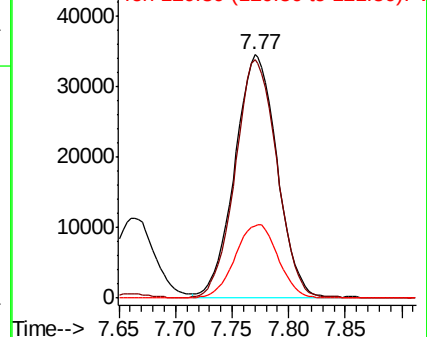


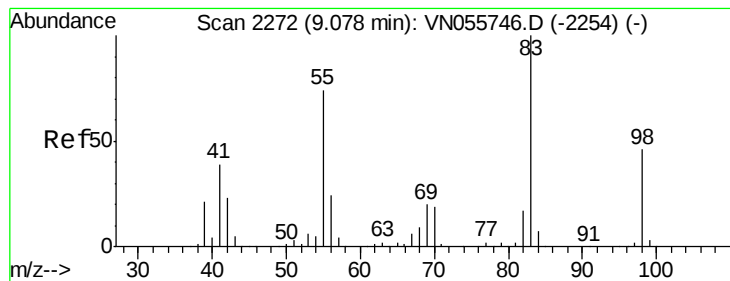
#38
Carbon Tetrachloride
Concen: 18.937 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 117 Resp: 89979
Ion Ratio Lower Upper
117 100
119 97.7 79.0 118.6
121 29.7 24.7 37.1



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





#39

Methvlcvclohexane

Concen: 18.275 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

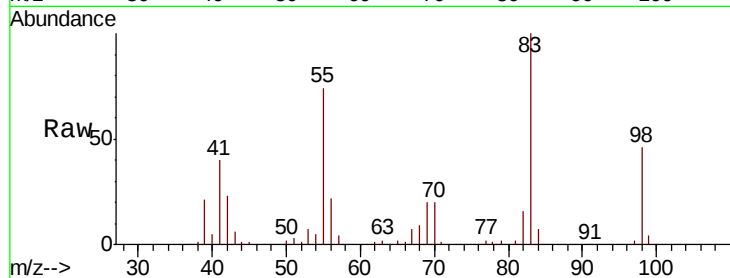
Tot Ion: 83 Resp: 103226

Ion Ratio Lower Upper

83 100

55 73.7 59.3 88.9

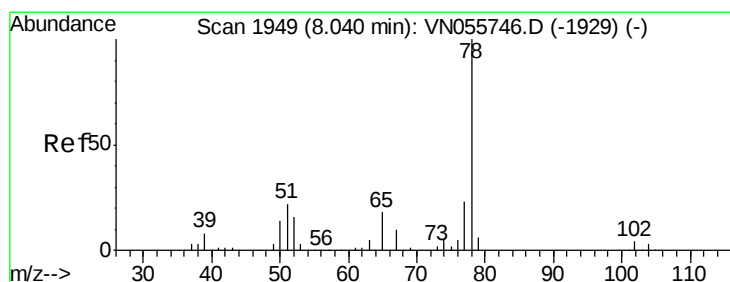
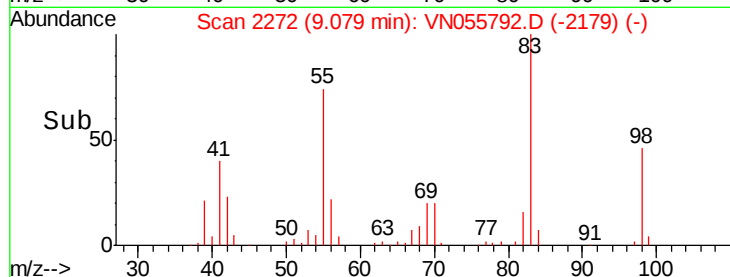
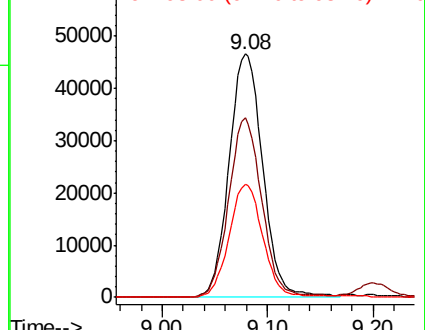
98 46.3 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.767 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN055792.D

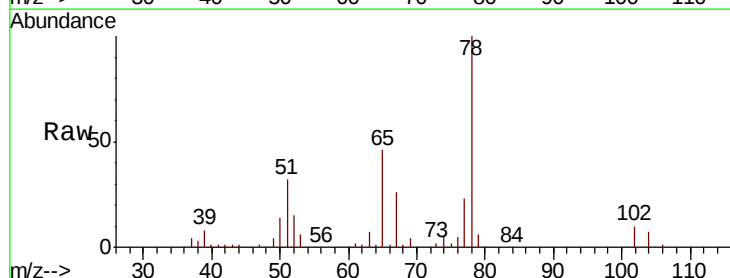
Acq: 24 May 2019 13:37

Tgt Ion: 78 Resp: 271740

Ion Ratio Lower Upper

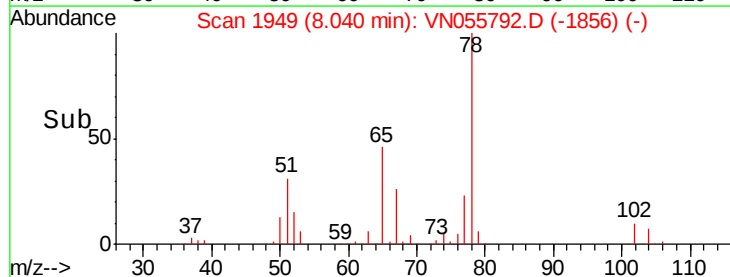
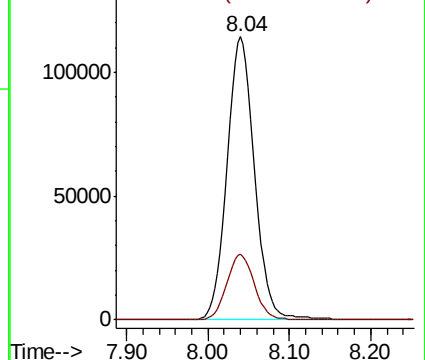
78 100

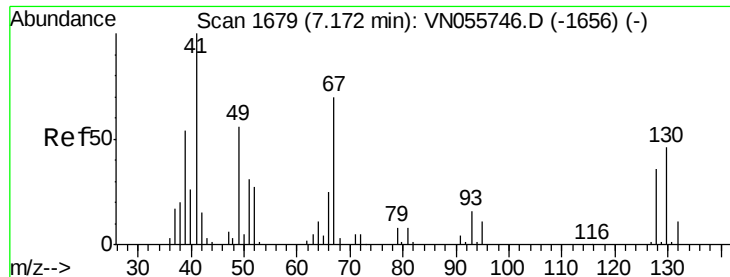
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

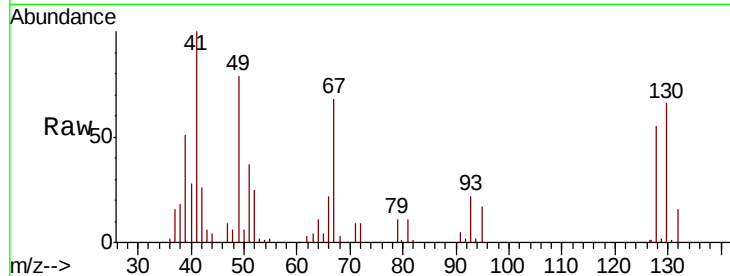




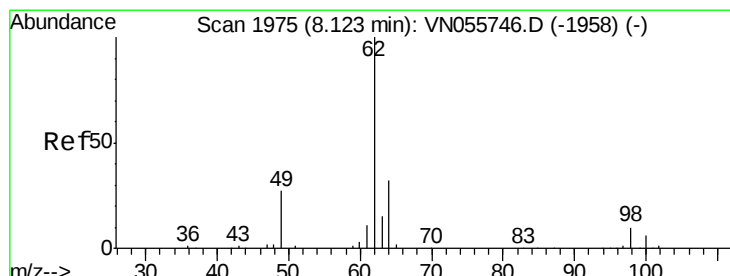
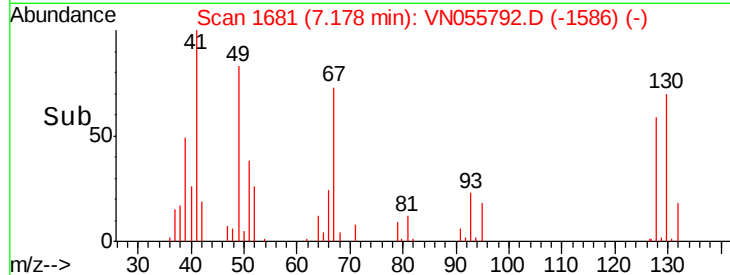
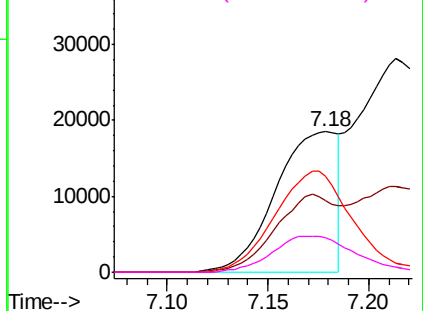
#41
Methacrylonitrile
Concen: 17.771 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion:	41	Resp:	39581
Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.6	68.4
67	89.8	67.7	101.5
52	34.6	26.6	40.0

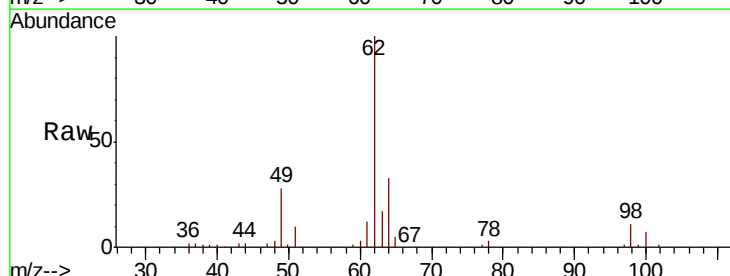


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

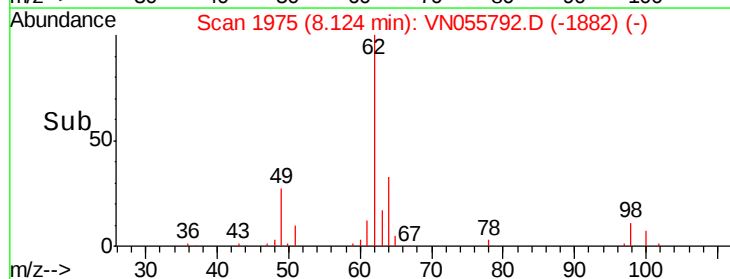
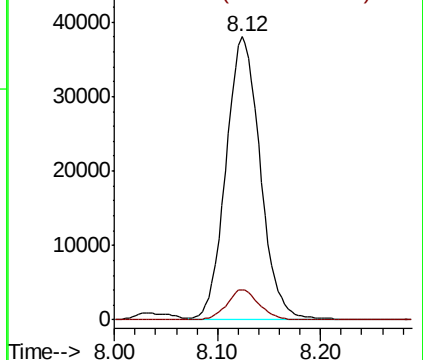


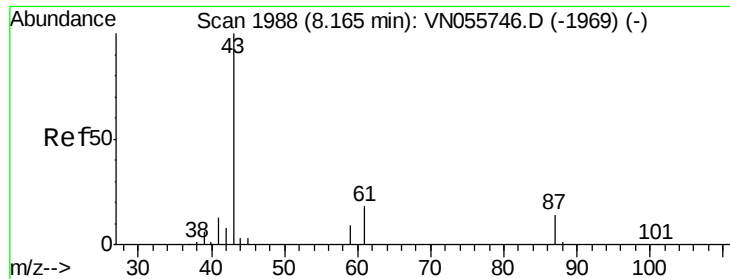
#42
1,2-Dichloroethane
Concen: 19.645 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion:	62	Resp:	88248
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.887 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

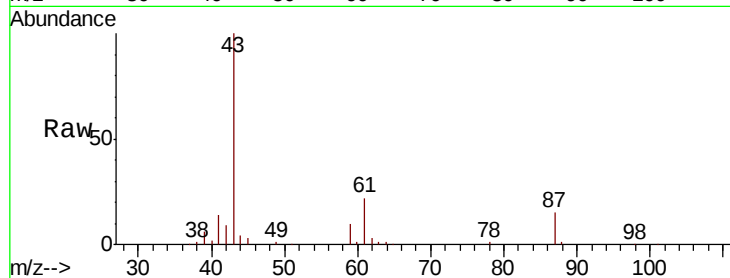
Tot Ion: 43 Resp: 139905

Ion Ratio Lower Upper

43 100

61 21.4 22.2 33.4#

87 14.7 11.4 17.2



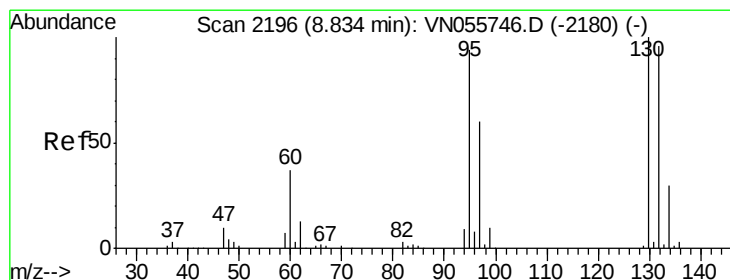
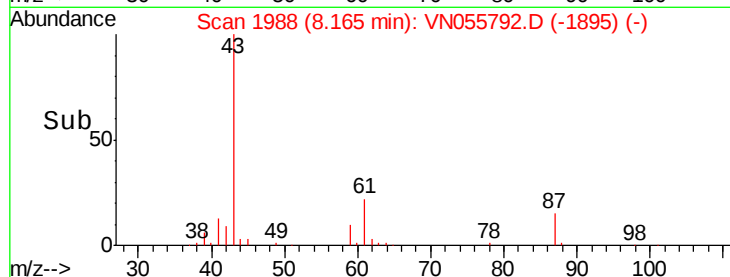
Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

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

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

8.17

Time-->



#44

Trichloroethene

Concen: 20.756 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055792.D

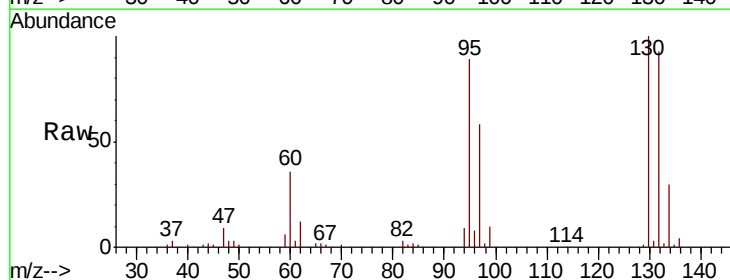
Acq: 24 May 2019 13:37

Tgt Ion:130 Resp: 79547

Ion Ratio Lower Upper

130 100

95 89.5 0.0 188.0

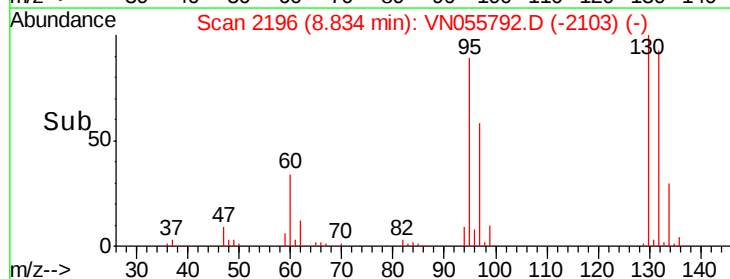


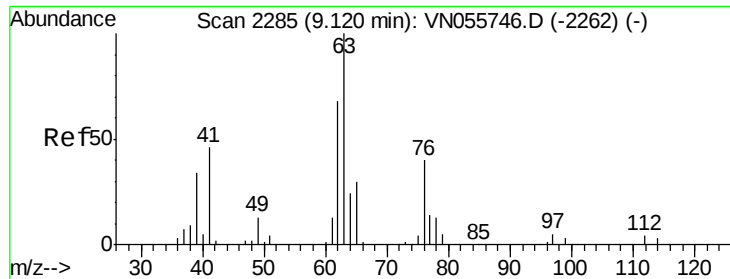
Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

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

8.83

Time-->

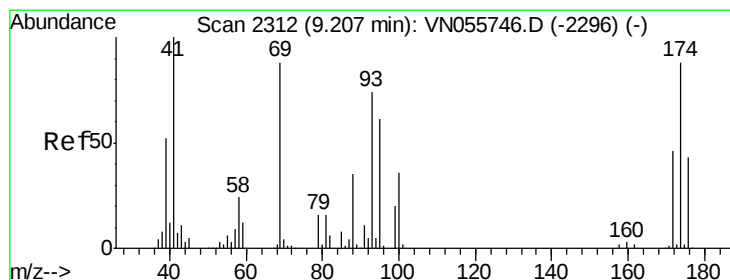
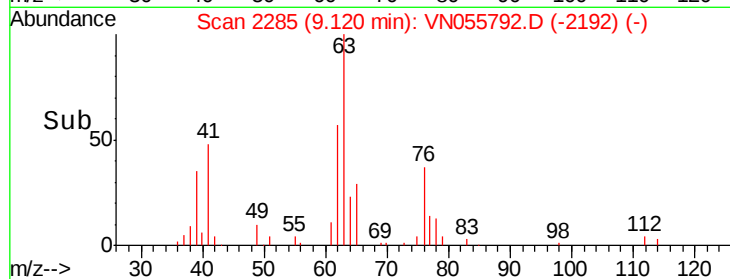
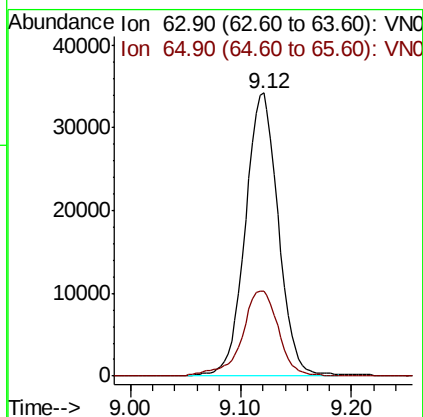
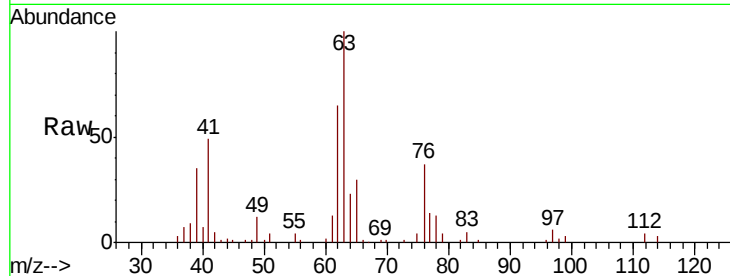




#45
 1,2-Dichloropropane
 Concen: 19.832 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

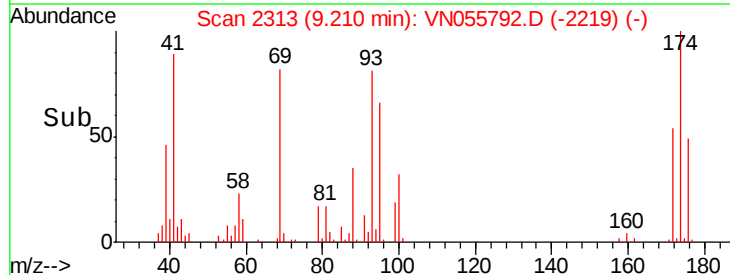
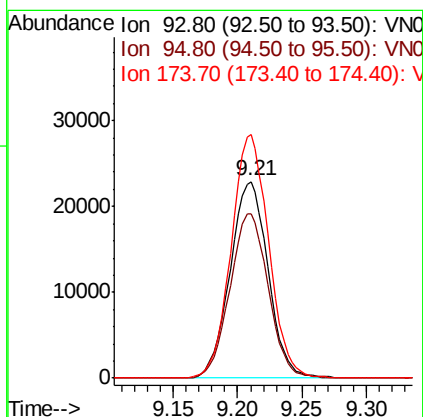
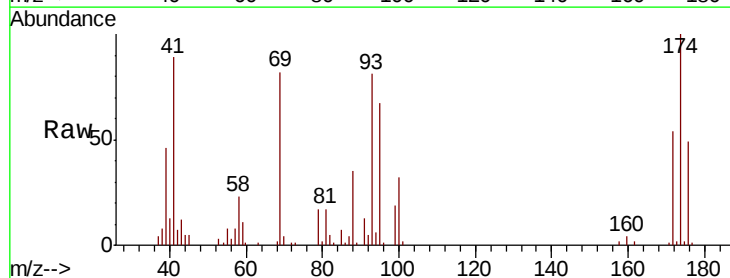
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion: 63 Resp: 71034
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 36.8



#46
 Dibromomethane
 Concen: 19.974 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion: 93 Resp: 46919
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.7 100.1
 174 122.2 96.4 144.6





#47

Bromodichloromethane

Concen: 19.068 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

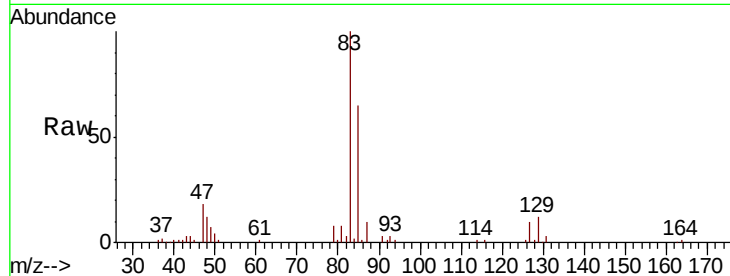
Tot Ion: 83 Resp: 91846

Ion Ratio Lower Upper

83 100

85 64.7 52.2 78.2

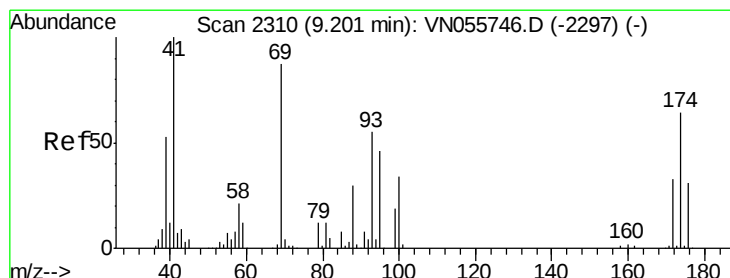
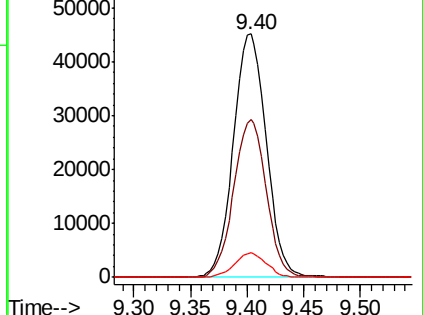
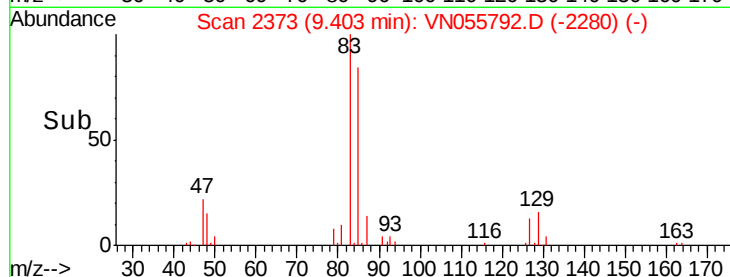
127 10.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055792.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055792.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055792.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.816 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

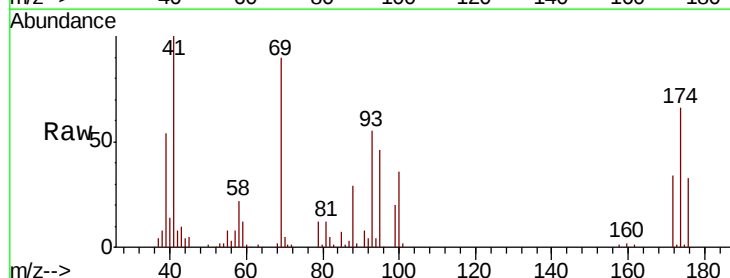
Tgt Ion: 41 Resp: 67650

Ion Ratio Lower Upper

41 100

69 91.3 71.0 106.6

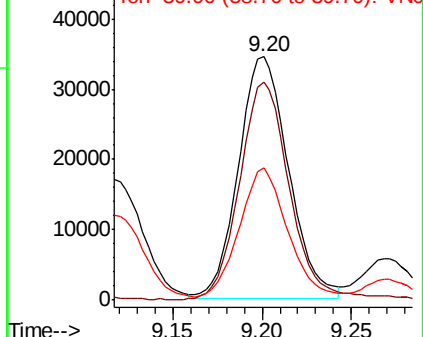
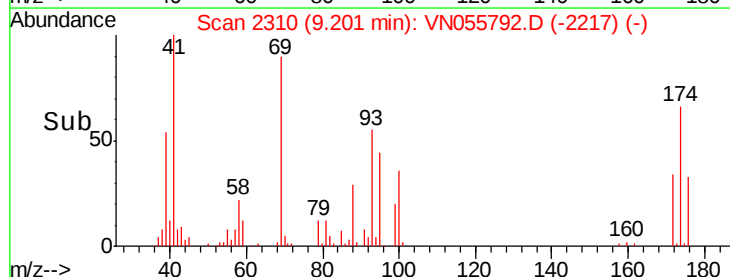
39 52.9 44.2 66.2

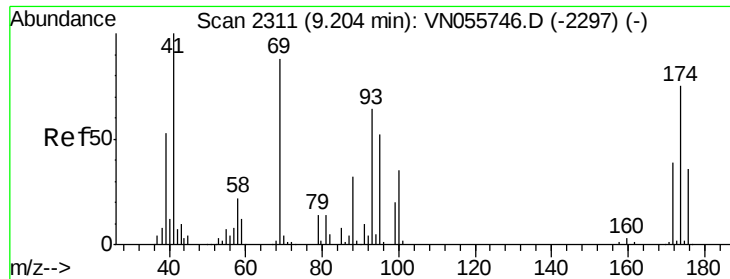


Abundance Ion 41.00 (40.70 to 41.70): VN055792.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055792.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055792.D (-2217) (-)





#49

1,4-Dioxane

Concen: 377.190 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

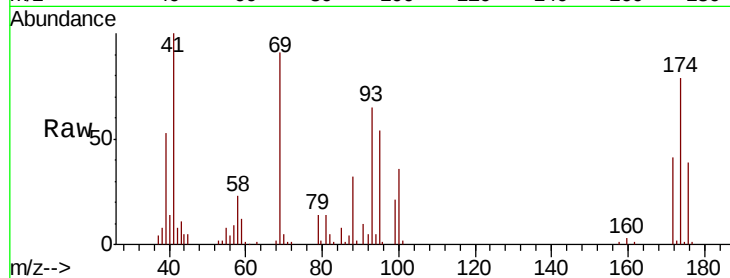
Tot Ion: 88 Resp: 26759

Ion Ratio Lower Upper

88 100

43 25.9 20.5 30.7

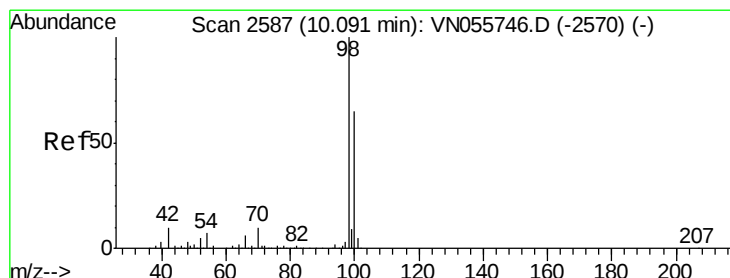
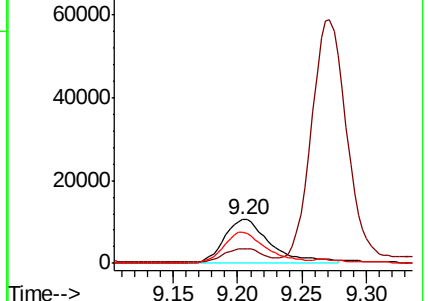
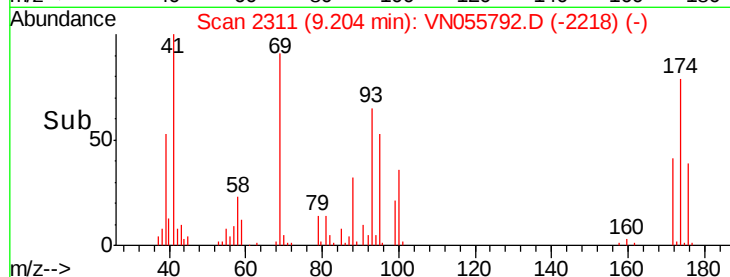
58 65.4 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.543 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055792.D

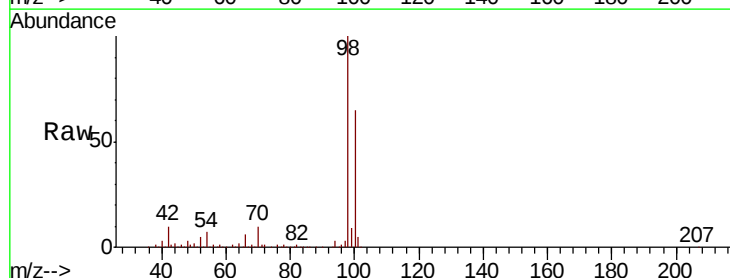
Acq: 24 May 2019 13:37

Tgt Ion: 98 Resp: 628903

Ion Ratio Lower Upper

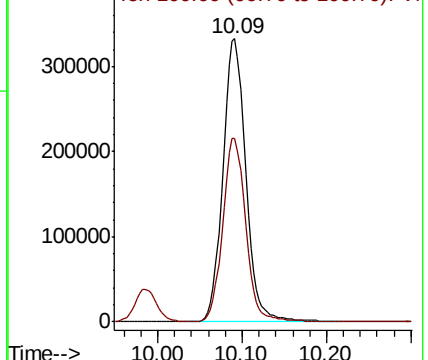
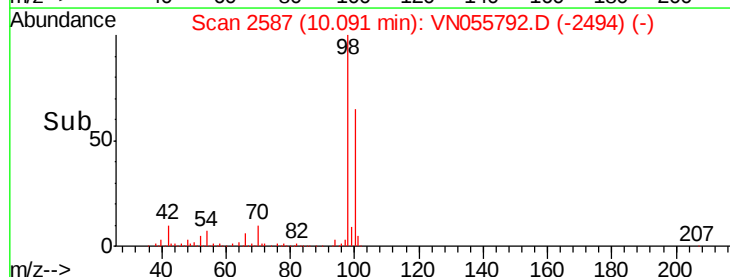
98 100

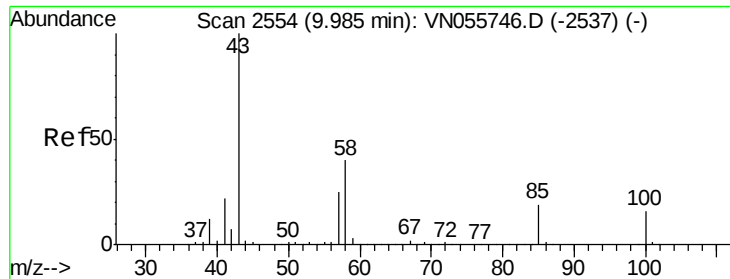
100 64.7 51.9 77.9



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: 97.362 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

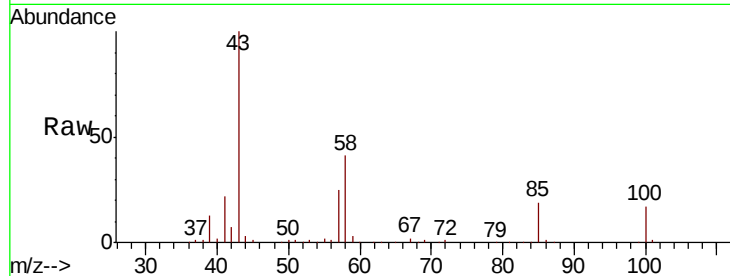
VN0524MBS01

Tot Ion: 43 Resp: 425939

Ion Ratio Lower Upper

43 100

58 41.0 32.1 48.1



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

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

9.99

250000

200000

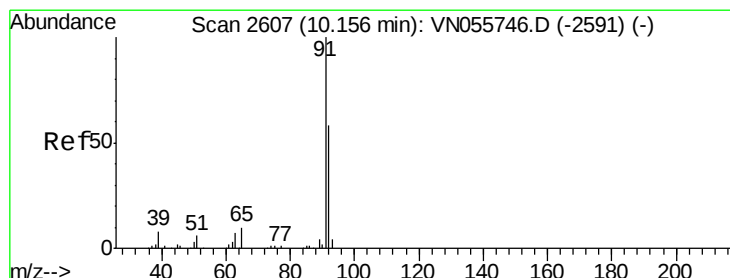
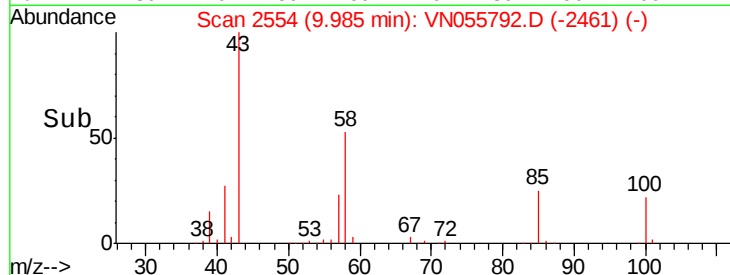
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.100 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055792.D

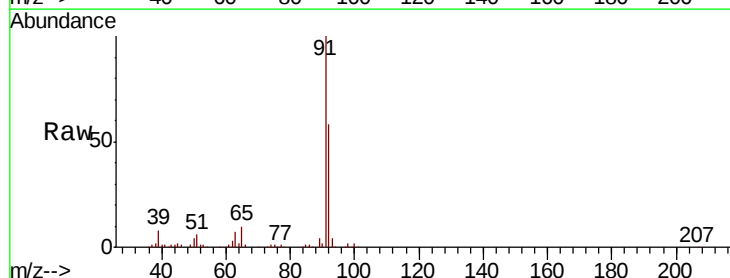
Acq: 24 May 2019 13:37

Tgt Ion: 92 Resp: 173787

Ion Ratio Lower Upper

92 100

91 172.4 139.4 209.2



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

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

10.16

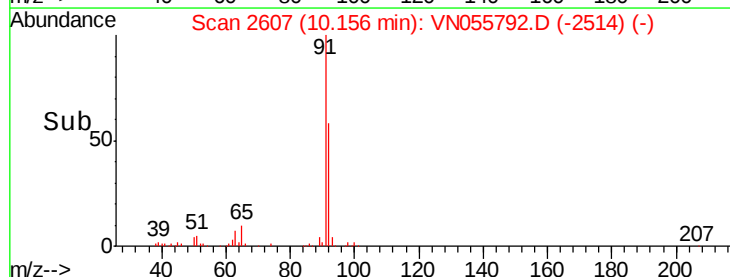
150000

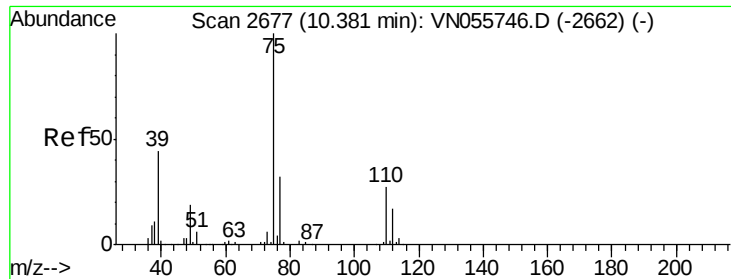
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.744 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

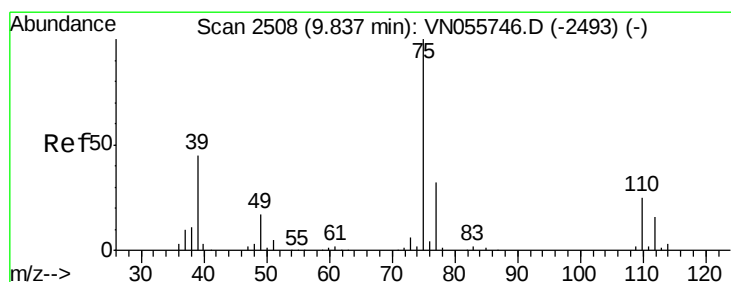
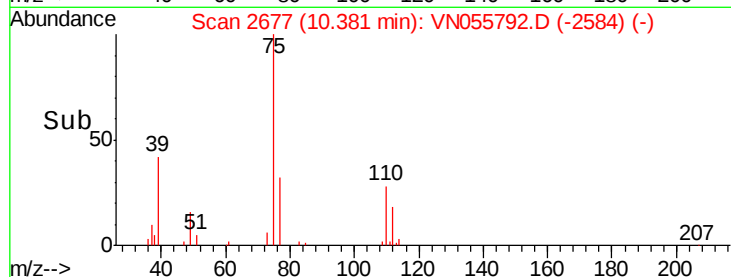
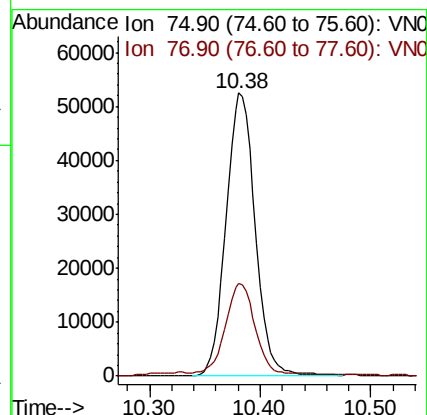
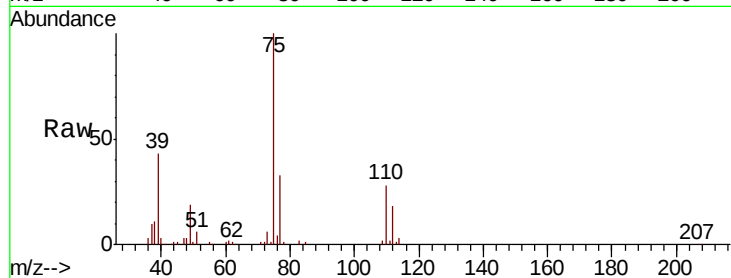
VN0524MBS01

Tot Ion: 75 Resp: 96370

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.246 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

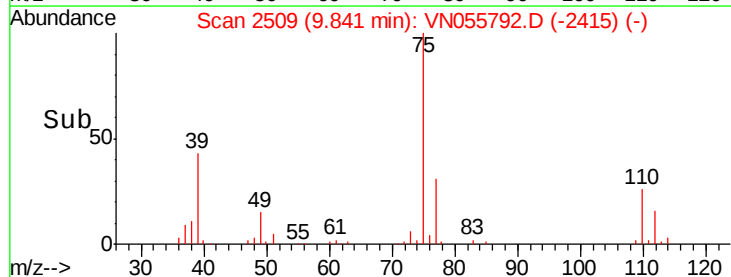
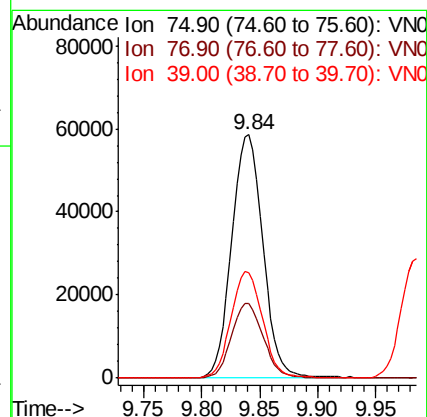
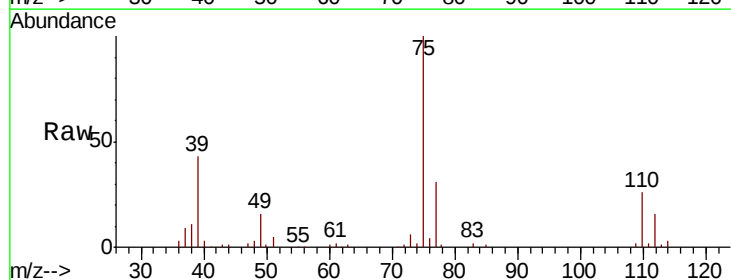
Tgt Ion: 75 Resp: 109619

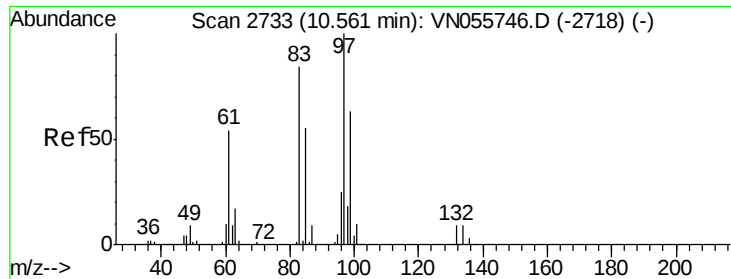
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

39 43.2 36.3 54.5

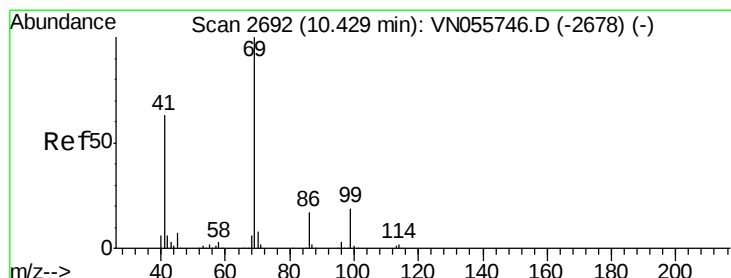
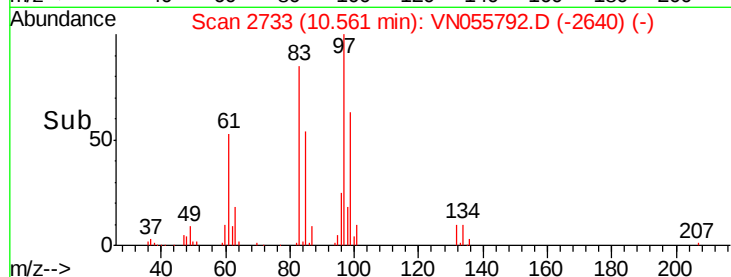
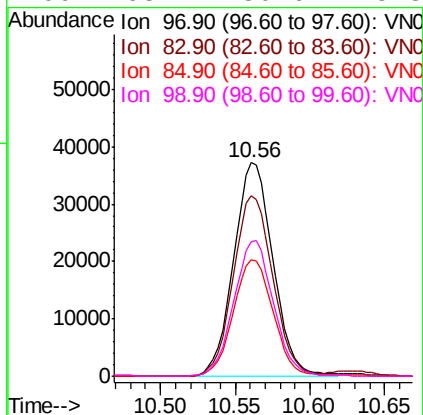
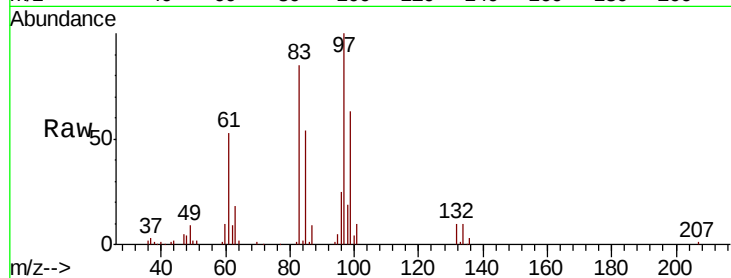




#55
 1,1,2-Trichloroethane
 Concen: 19.704 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

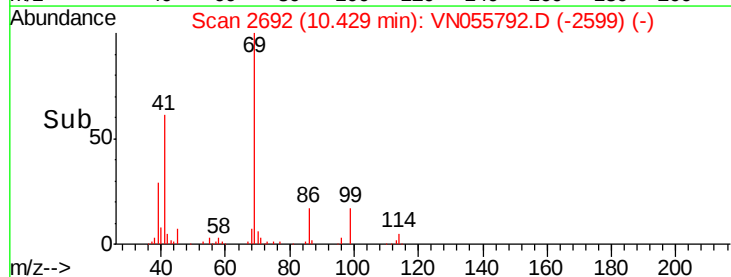
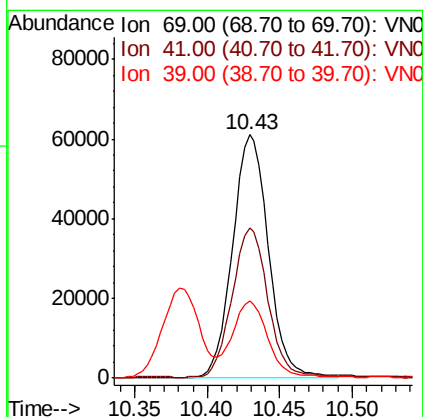
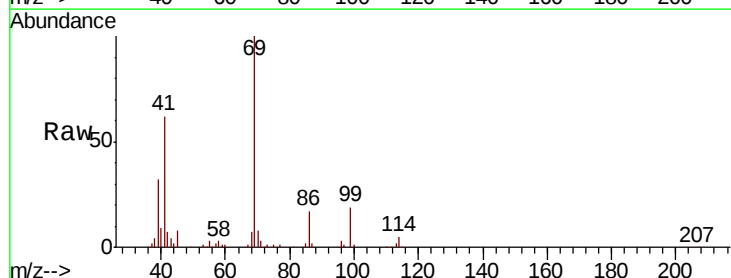
Instrument :
 MSVOA_N
 ClientSampled :
 VN0524MBS01

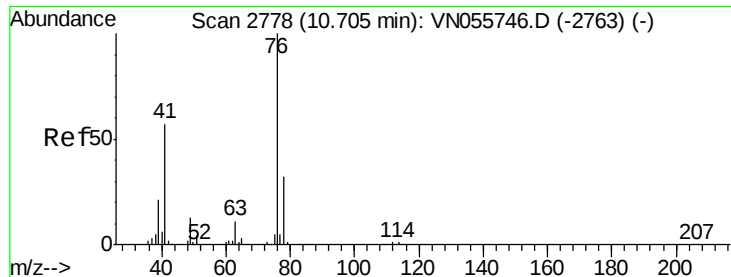
Tot Ion:	97	Resp:	68251
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.0	100.6
85	54.3	44.0	66.0
99	63.1	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 19.625 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion:	69	Resp:	105058
Ion	Ratio	Lower	Upper
69	100		
41	61.0	49.7	74.5
39	31.0	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.675 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

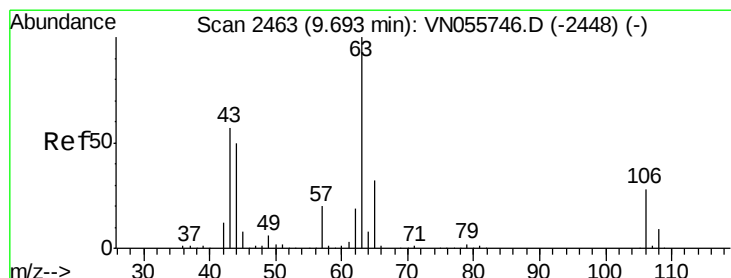
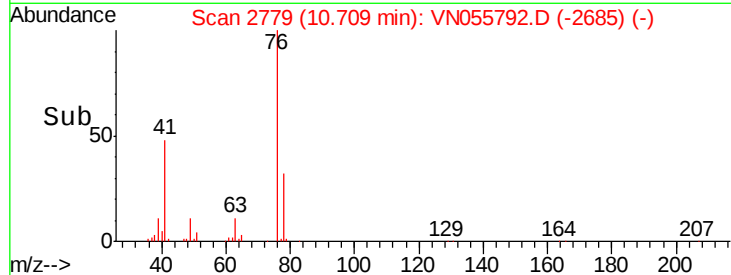
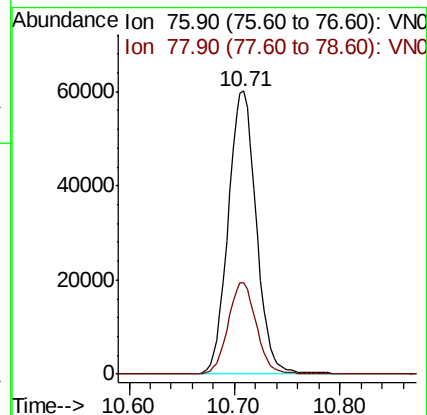
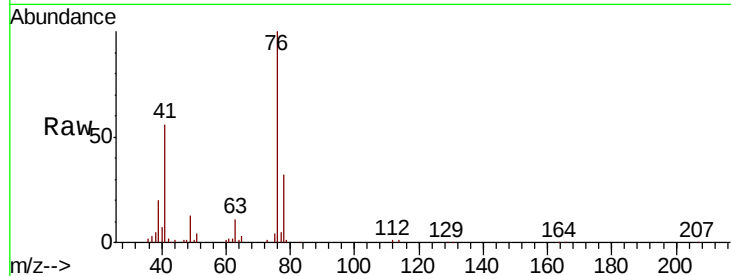
VN0524MBS01

Tot Ion: 76 Resp: 110773

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 94.344 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055792.D

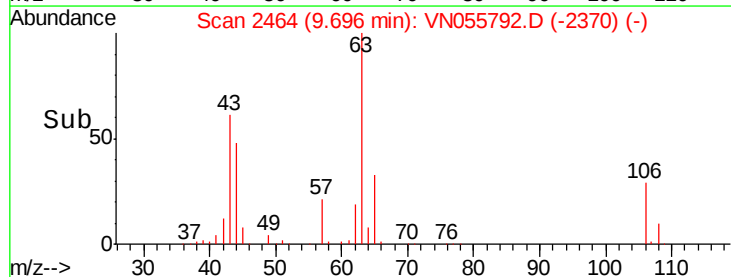
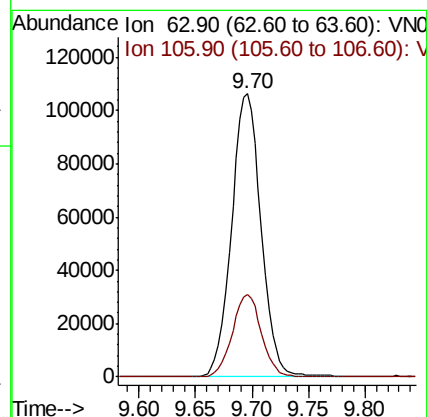
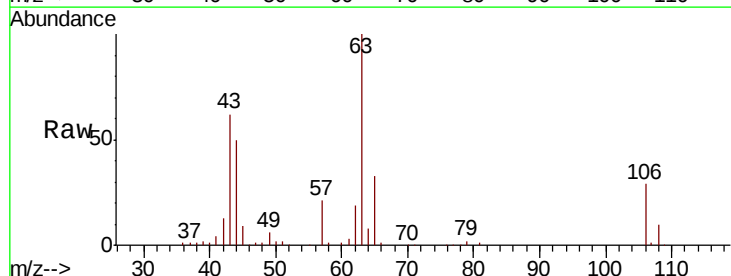
Acq: 24 May 2019 13:37

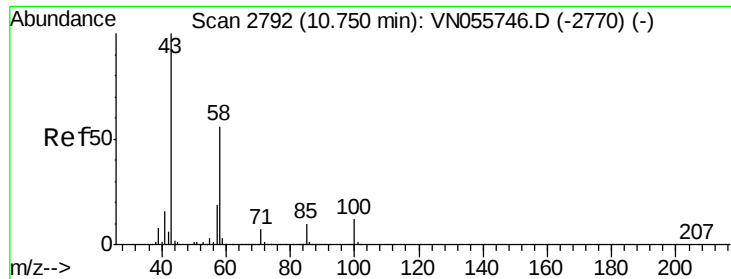
Tgt Ion: 63 Resp: 193004

Ion Ratio Lower Upper

63 100

106 28.7 22.7 34.1

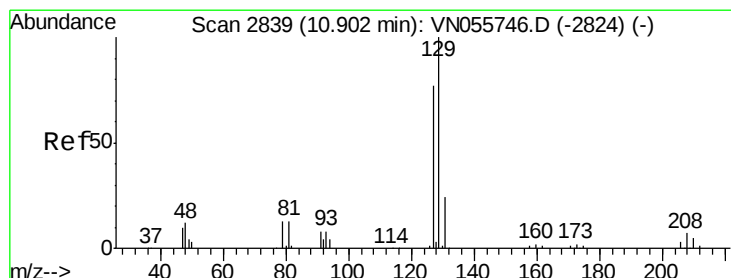
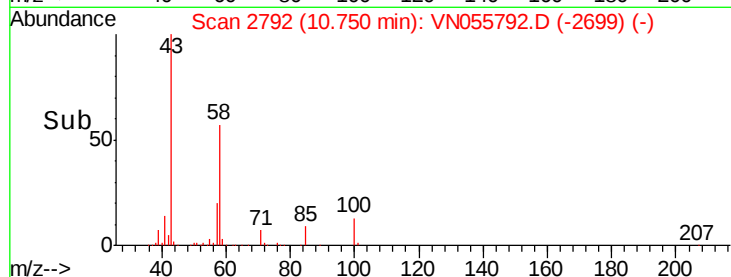
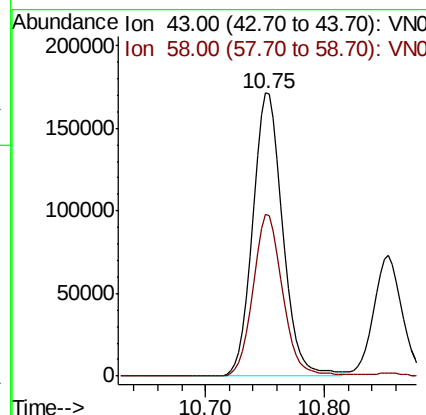
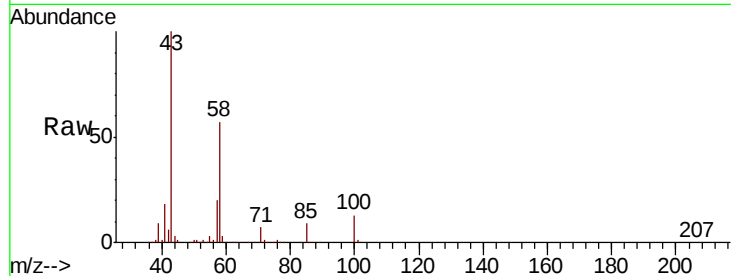




#59
2-Hexanone
Concen: 96.257 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

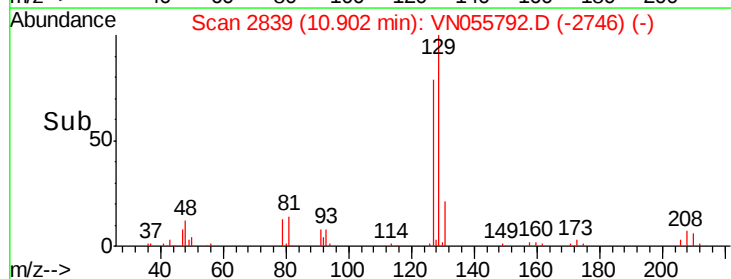
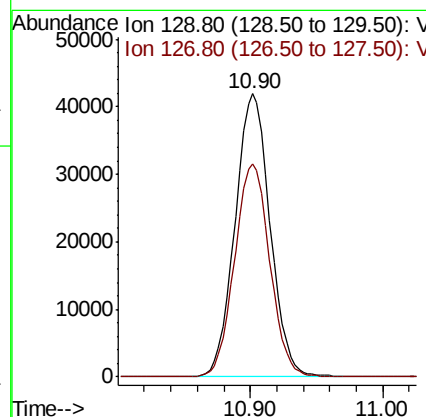
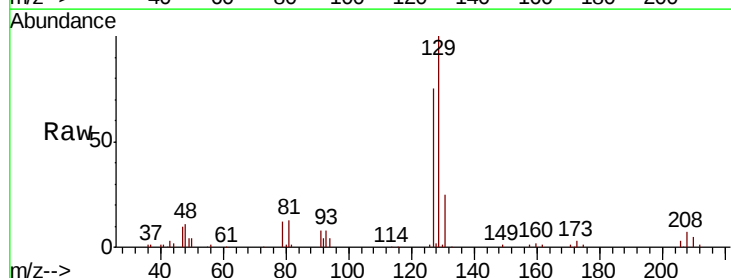
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

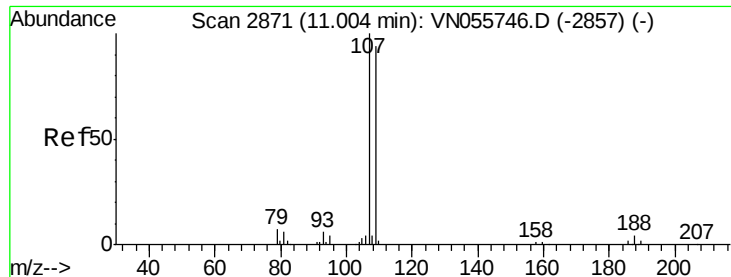
Tot Ion: 43 Resp: 298734
Ion Ratio Lower Upper
43 100
58 56.5 28.2 84.7



#60
Dibromochloromethane
Concen: 19.045 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 129 Resp: 76848
Ion Ratio Lower Upper
129 100
127 75.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.780 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

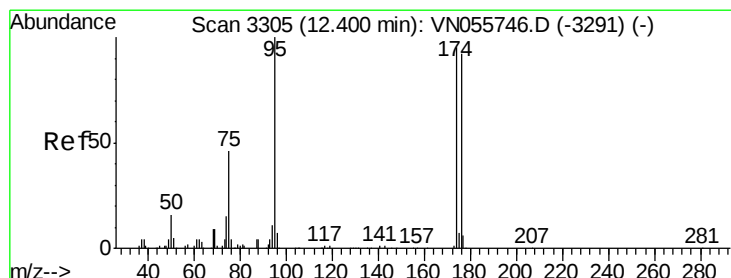
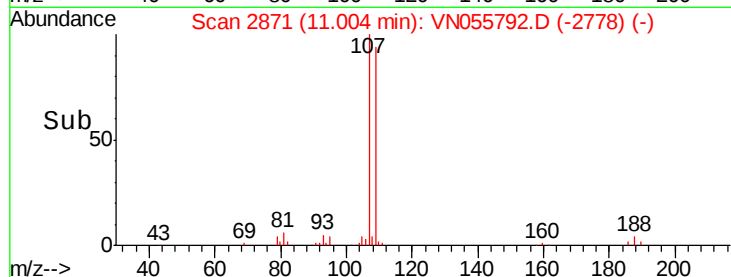
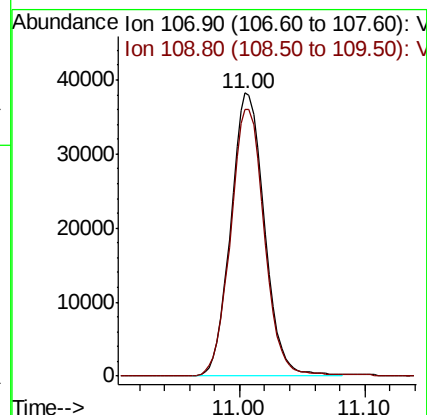
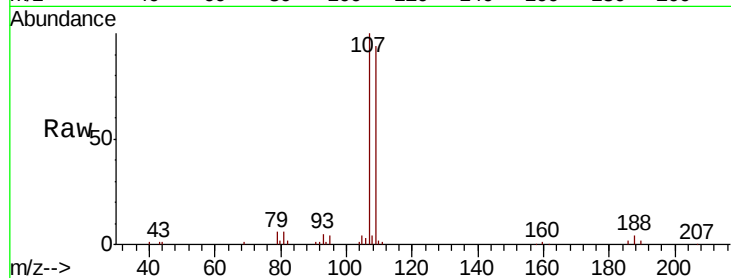
VN0524MBS01

Tot Ion:107 Resp: 71066

Ion Ratio Lower Upper

107 100

109 94.9 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 49.257 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

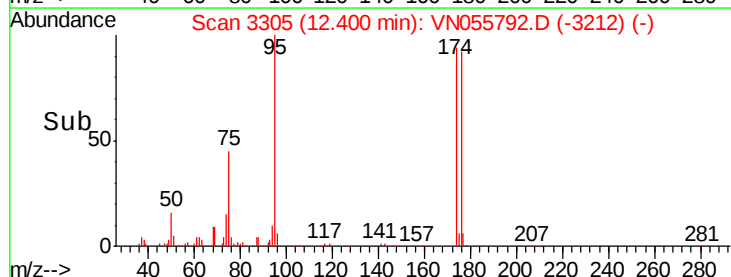
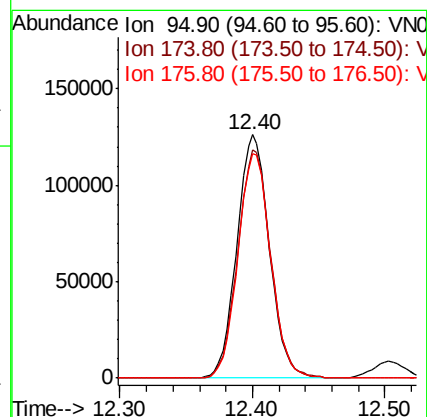
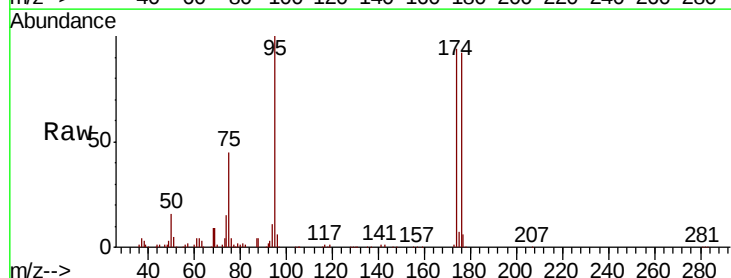
Tgt Ion: 95 Resp: 214401

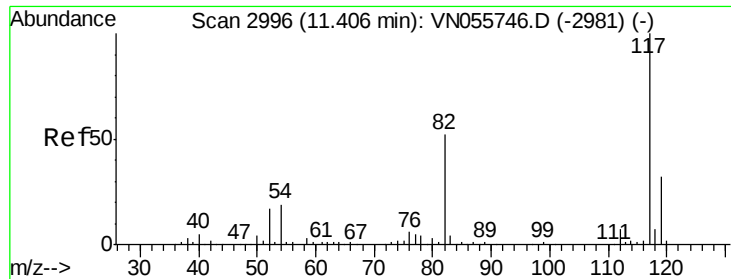
Ion Ratio Lower Upper

95 100

174 94.7 0.0 191.0

176 93.1 0.0 185.2

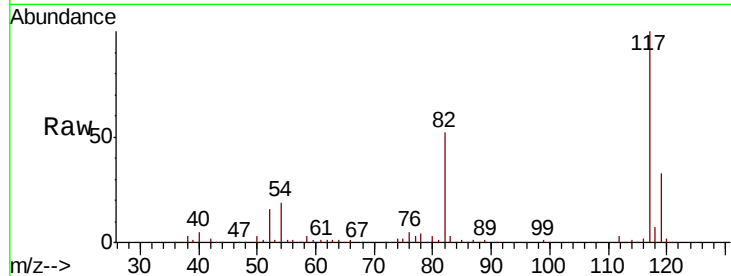




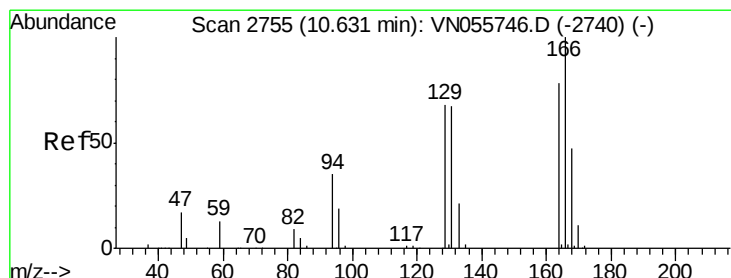
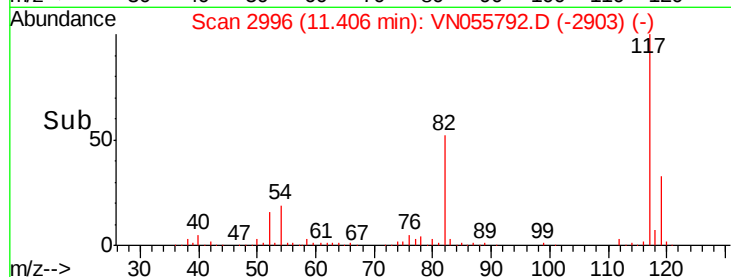
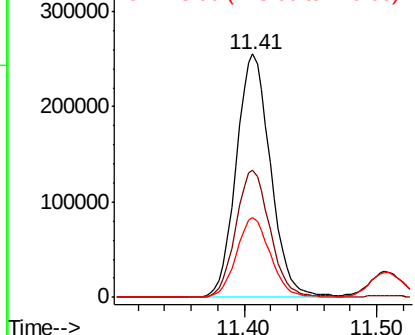
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion:117 Resp: 459605
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.7 25.4 38.0

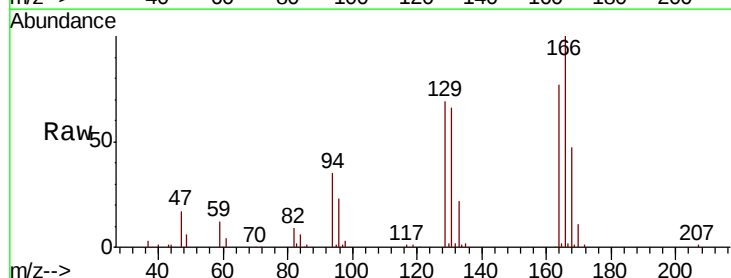


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

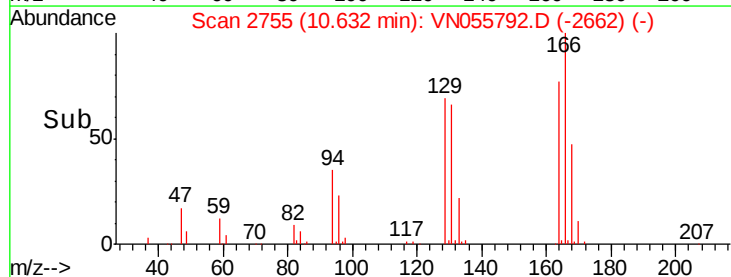
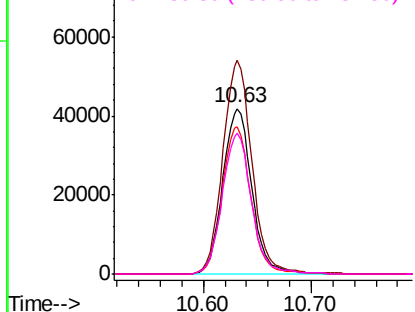


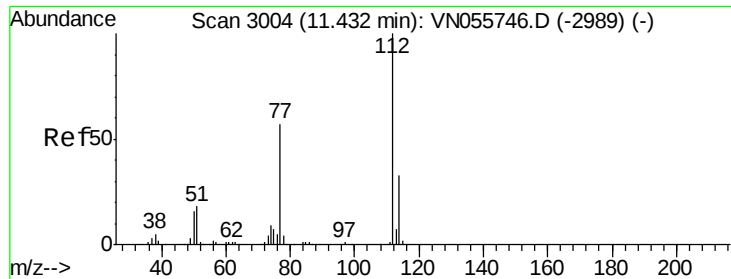
#64
Tetrachloroethene
Concen: 20.295 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion:164 Resp: 78671
Ion Ratio Lower Upper
164 100
166 129.2 103.0 154.6
129 88.9 70.6 105.8
131 85.2 68.6 102.8



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

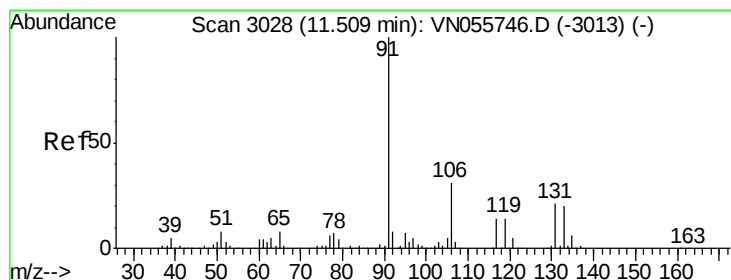
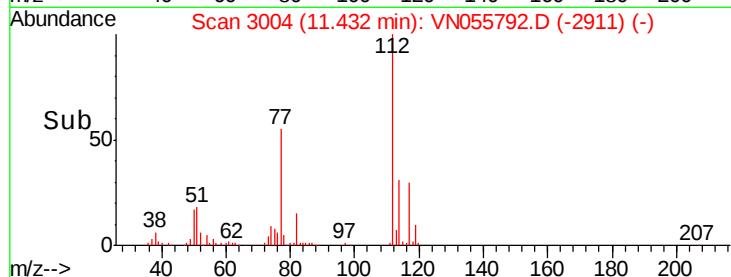
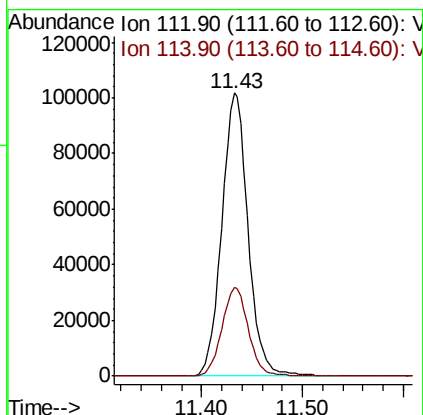
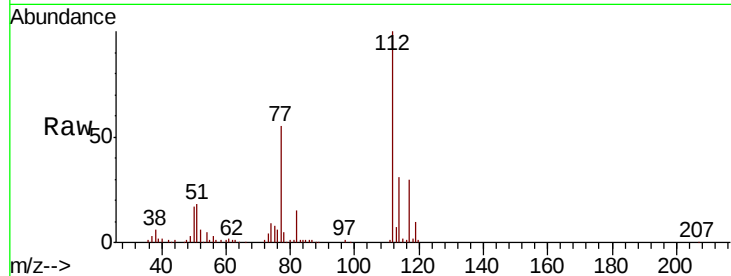




#65
Chlorobenzene
Concen: 20.103 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

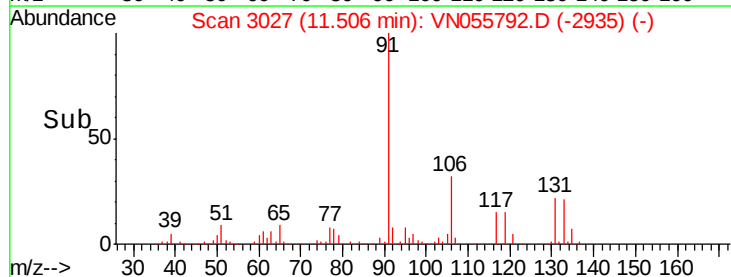
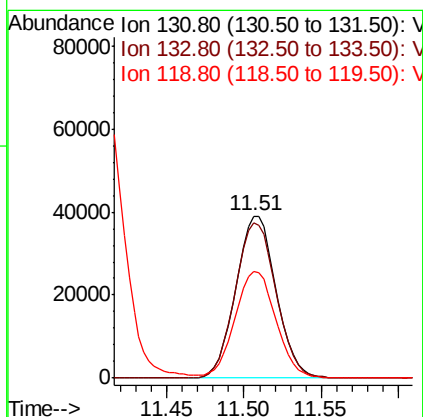
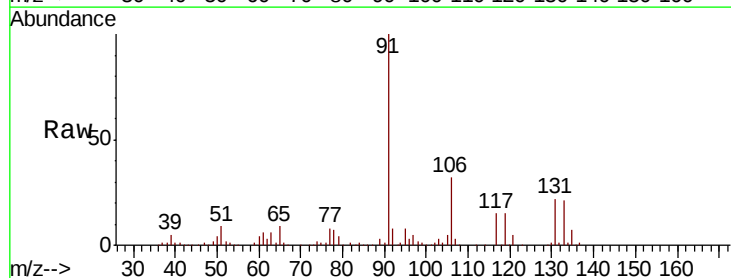
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

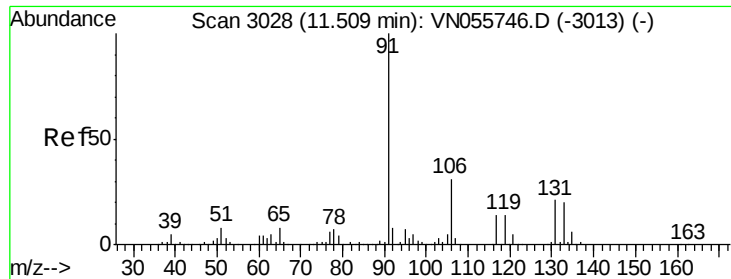
Tot Ion:112 Resp: 184960
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.243 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion:131 Resp: 70615
Ion Ratio Lower Upper
131 100
133 97.4 48.0 144.0
119 67.0 33.1 99.5

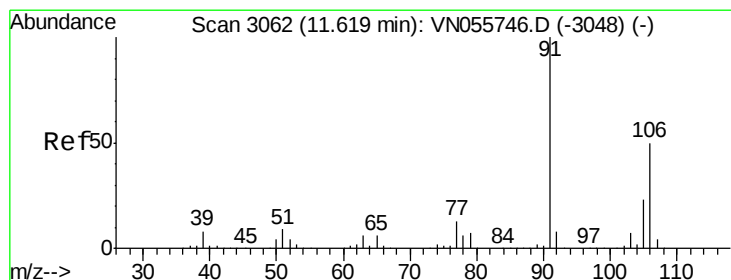
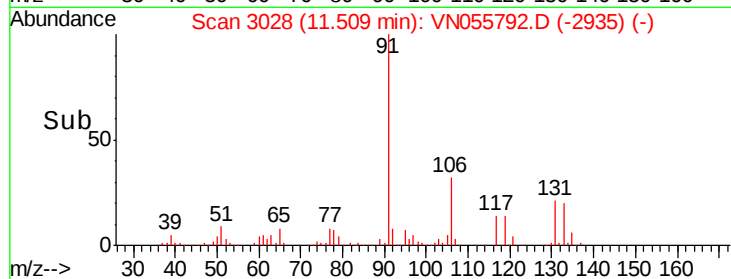
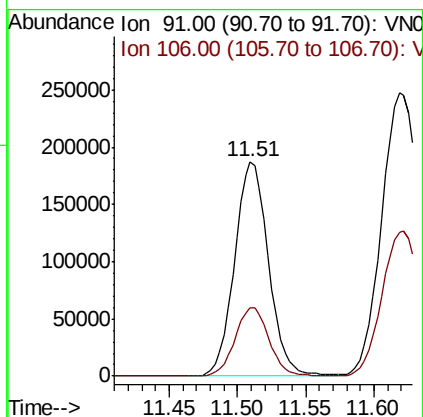
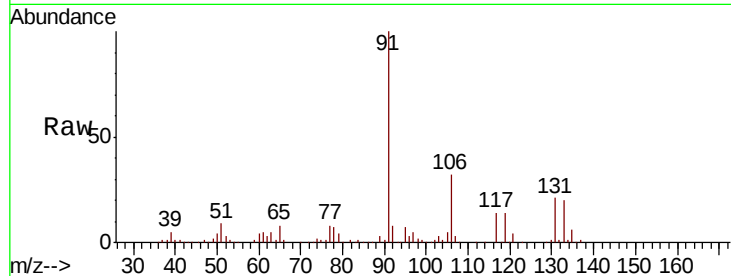




#67
Ethyl Benzene
Concen: 19.639 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

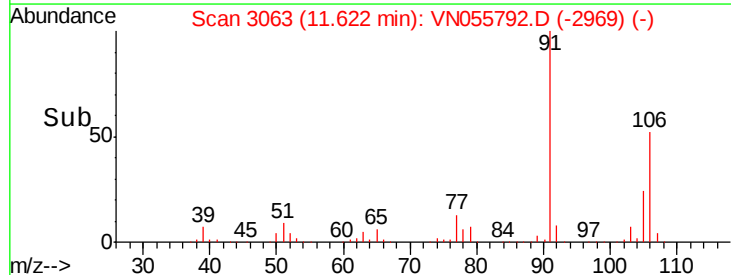
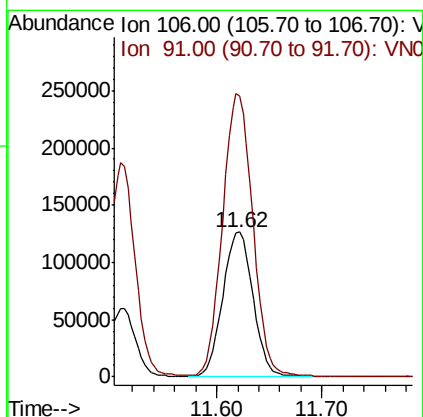
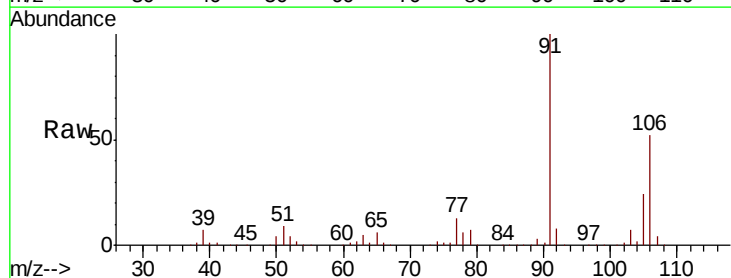
Instrument :
MSVOA_N
ClientSampled :
VN0524MBS01

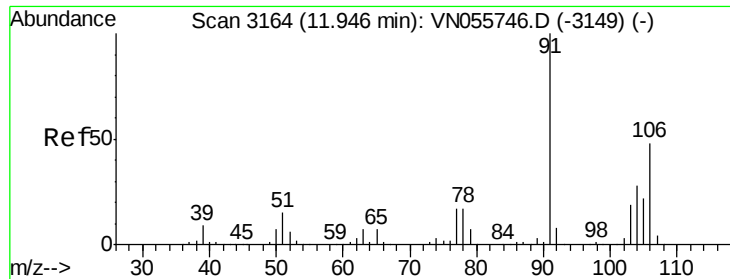
Tot Ion: 91 Resp: 324043
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7



#68
m/p-Xylenes
Concen: 40.389 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 106 Resp: 251935
Ion Ratio Lower Upper
106 100
91 195.1 159.3 238.9

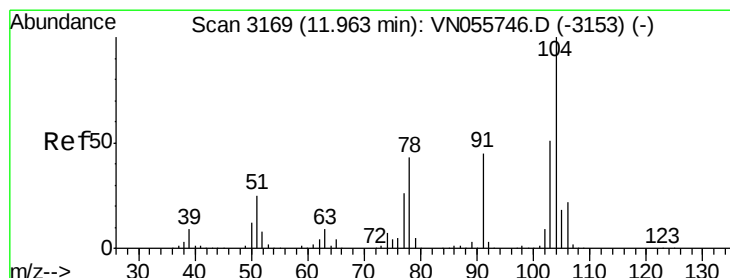
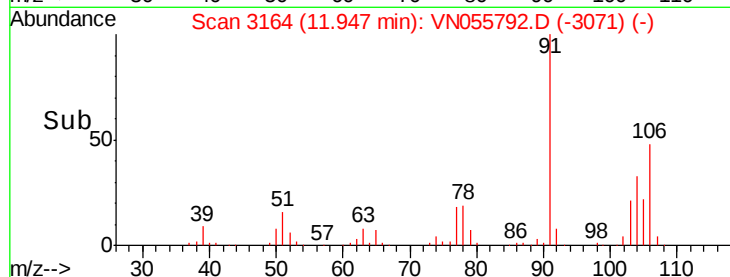
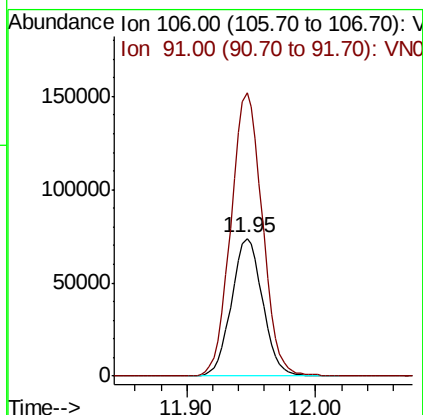
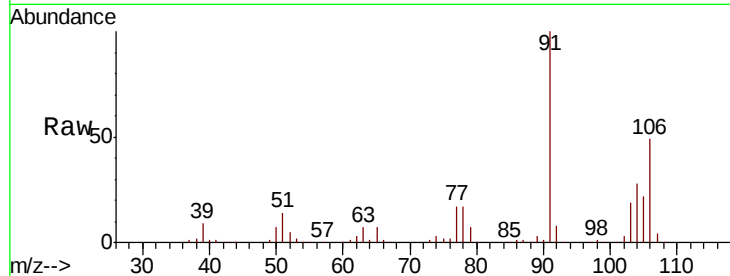




#69
o-Xylene
Concen: 20.041 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

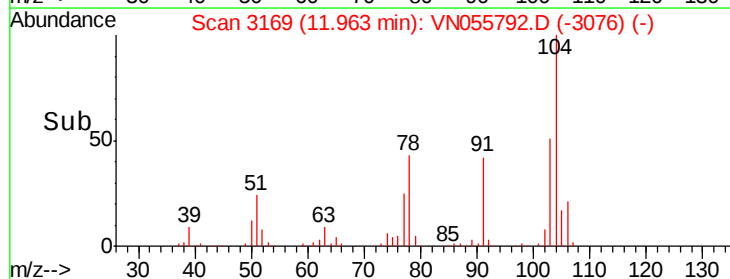
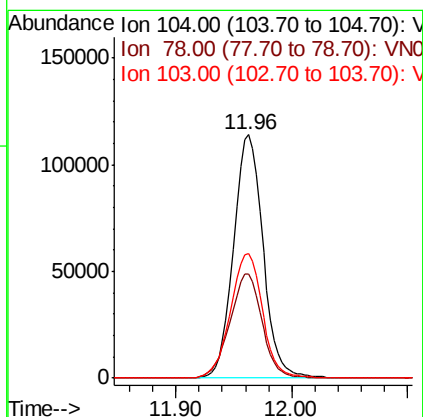
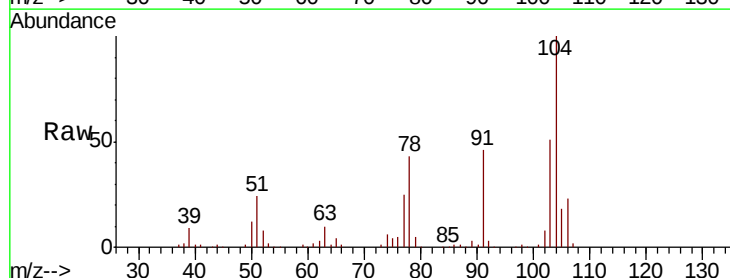
Instrument :
MSVOA_N
ClientSampled :
VN0524MBS01

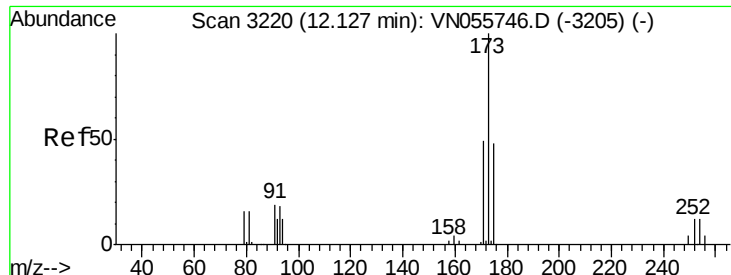
Tot Ion:106 Resp: 124026
Ion Ratio Lower Upper
106 100
91 207.1 104.7 314.1



#70
Styrene
Concen: 20.015 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion:104 Resp: 200590
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 55.6 44.2 66.2

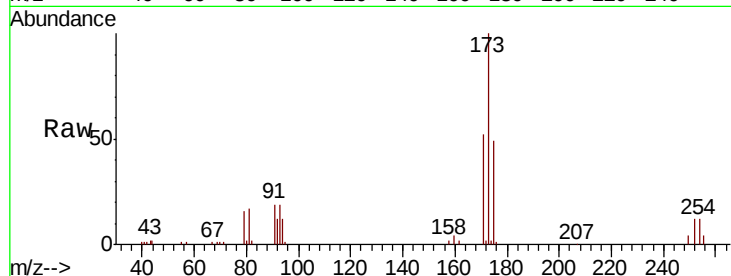




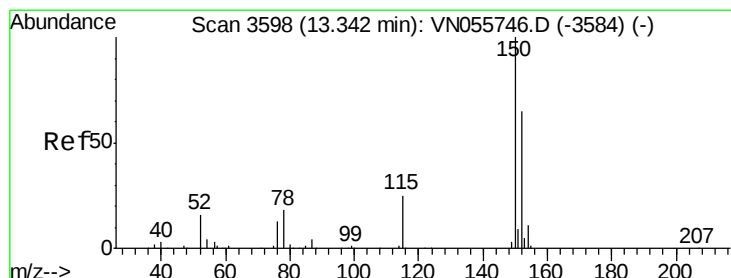
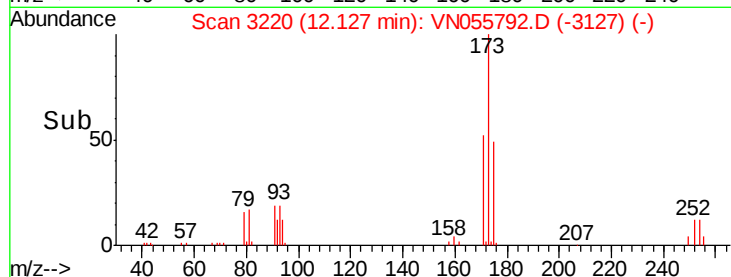
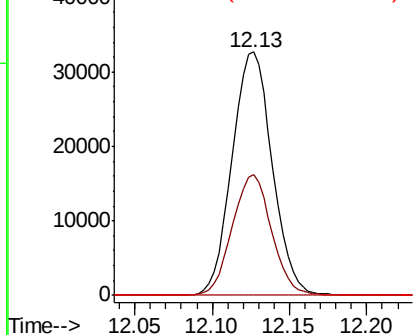
#71
Bromoform
Concen: 18.822 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion:173 Resp: 58913
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.8
254 0.0 0.0 0.0

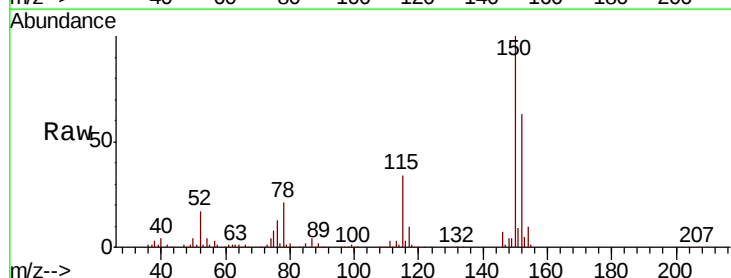


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

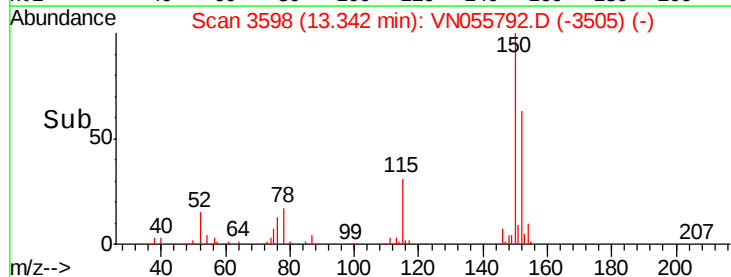
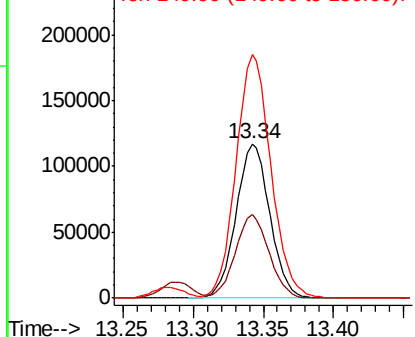


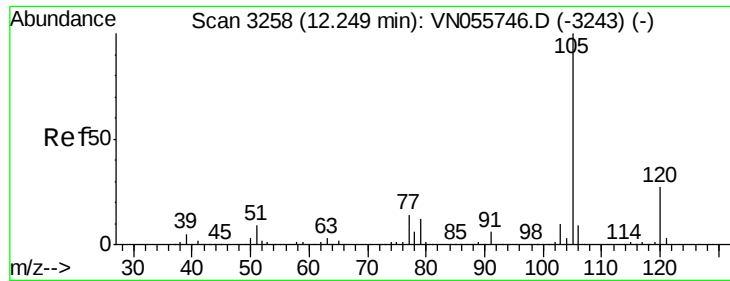
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion:152 Resp: 195992
Ion Ratio Lower Upper
152 100
115 54.1 27.0 81.0
150 163.9 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: 21.577 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

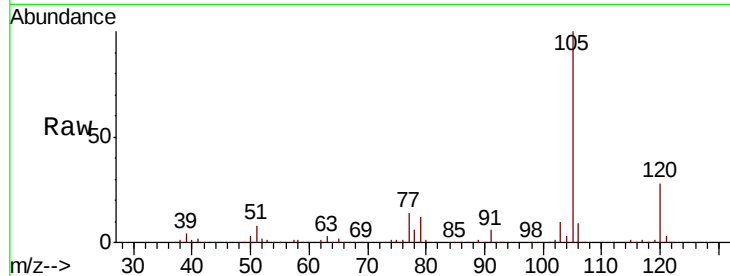
VN0524MBS01

Tot Ion:105 Resp: 321951

Ion Ratio Lower Upper

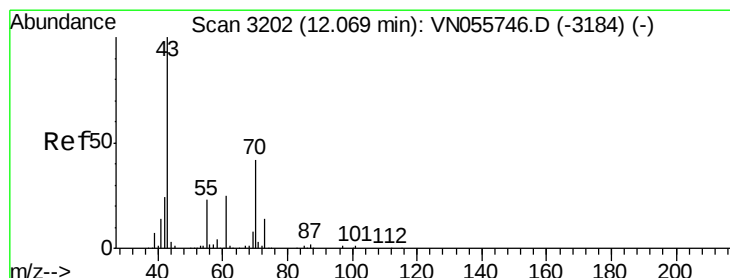
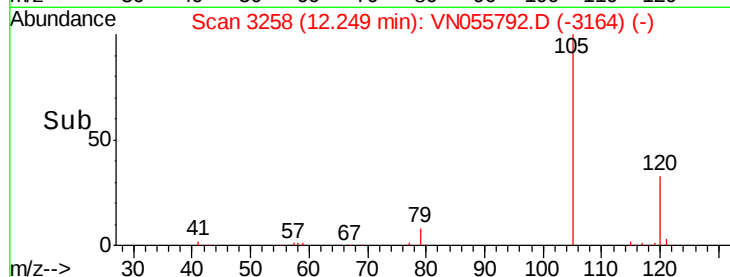
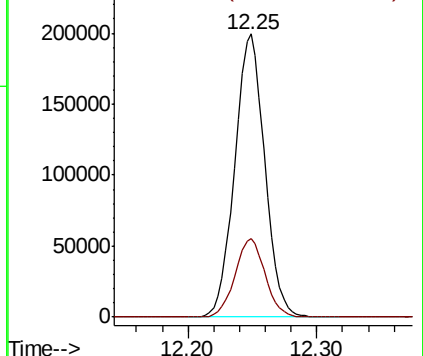
105 100

120 27.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.753 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Tgt Ion: 43 Resp: 112153

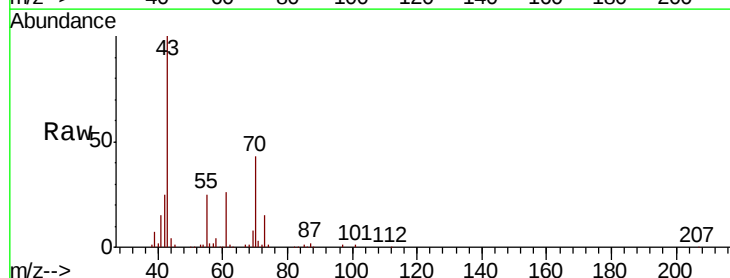
Ion Ratio Lower Upper

43 100

70 43.8 34.0 51.0

55 25.0 18.6 28.0

61 25.1 20.0 30.0

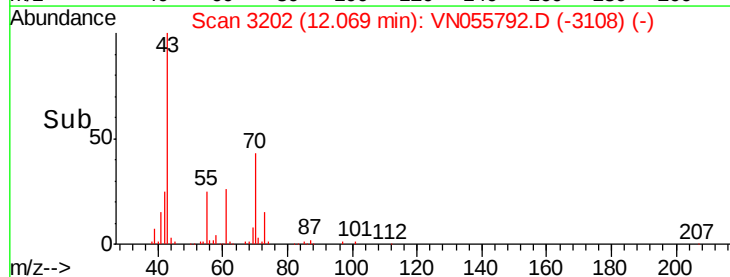
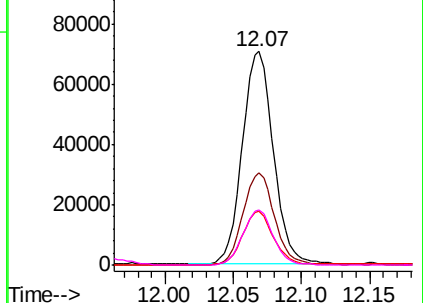


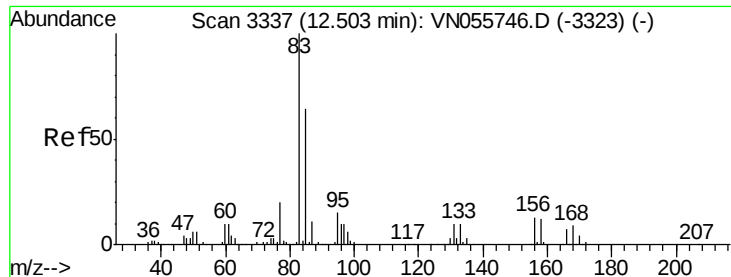
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.200 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN0524MBS01

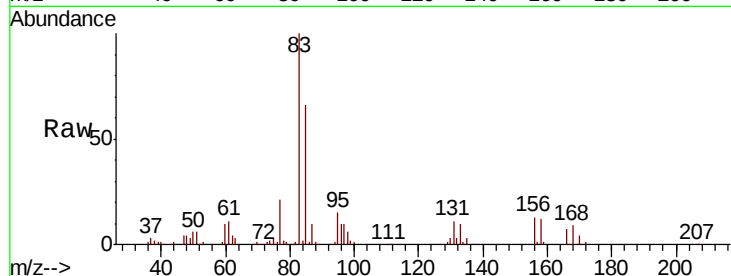
Tot Ion: 83 Resp: 95414

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

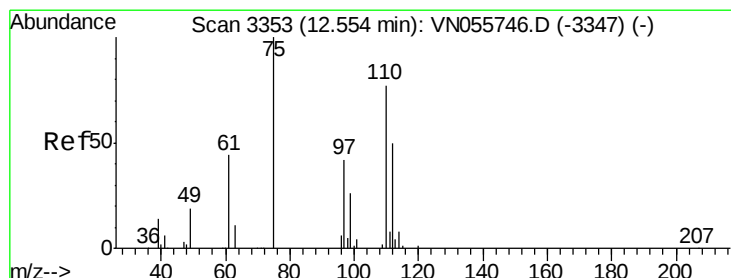
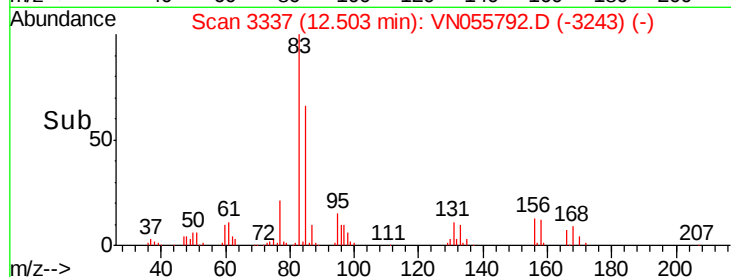
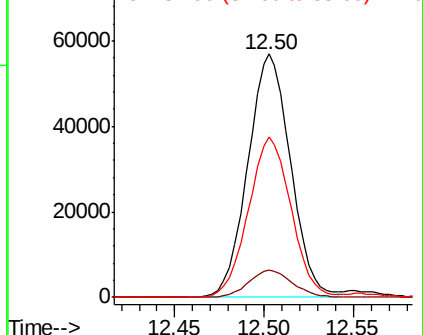
85 65.9 32.4 97.0



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: 32.799 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055792.D

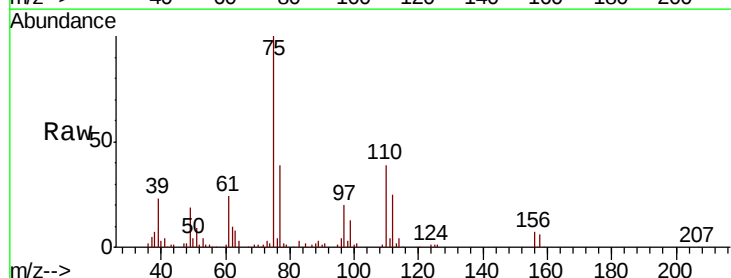
Acq: 24 May 2019 13:37

Tgt Ion: 75 Resp: 114346

Ion Ratio Lower Upper

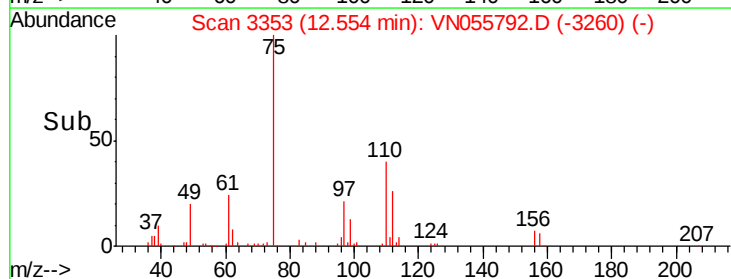
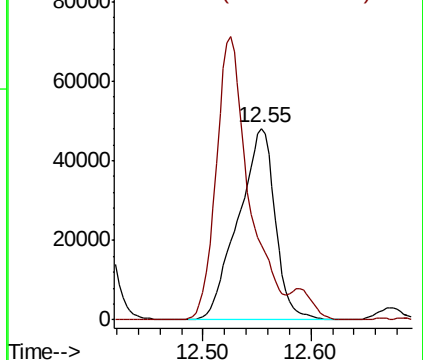
75 100

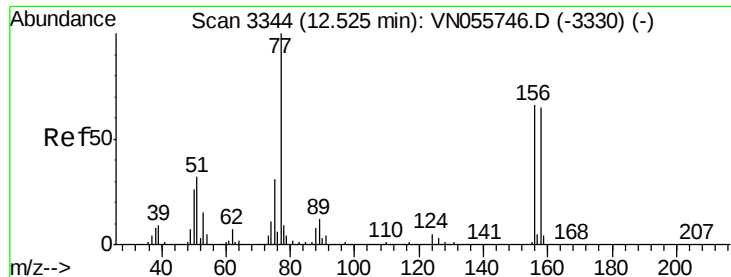
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.674 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

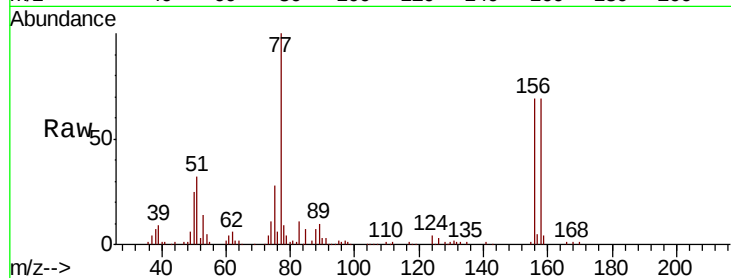
Tot Ion:156 Resp: 86466

Ion Ratio Lower Upper

156 100

77 174.0 90.8 272.5

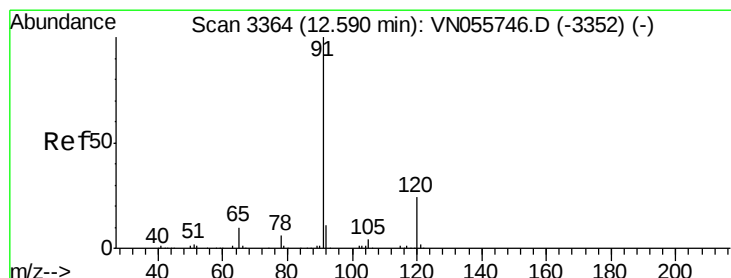
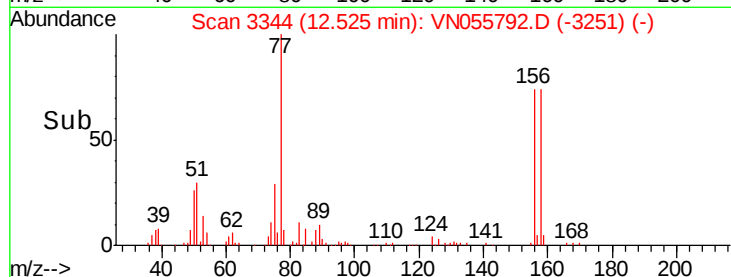
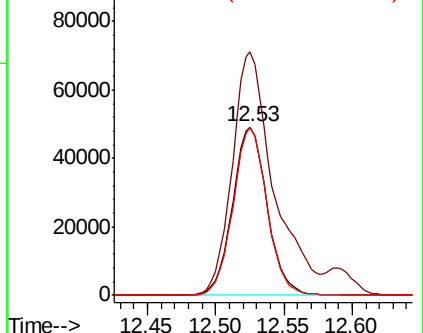
158 97.8 49.3 147.8



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: 19.726 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055792.D

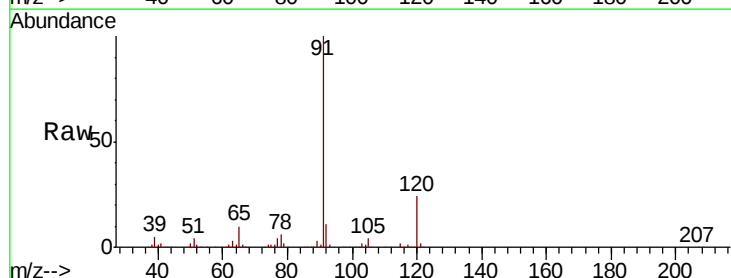
Acq: 24 May 2019 13:37

Tgt Ion: 91 Resp: 336015

Ion Ratio Lower Upper

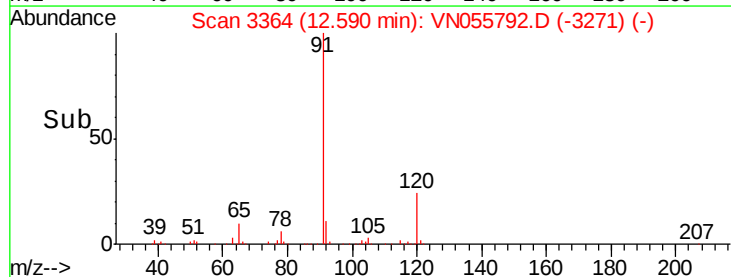
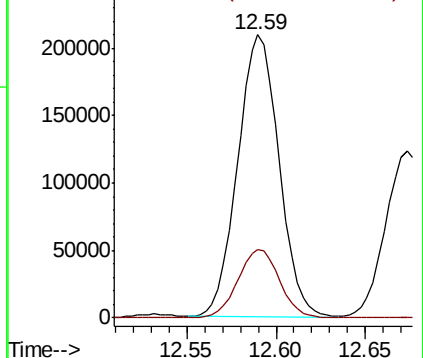
91 100

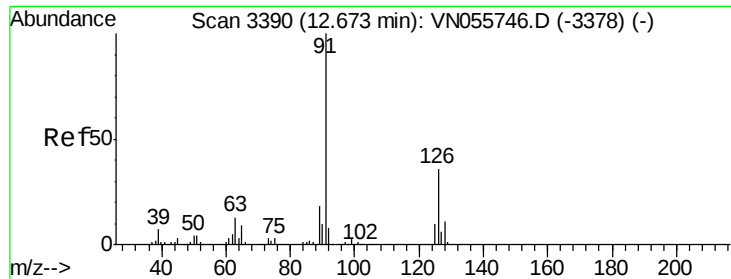
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.059 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

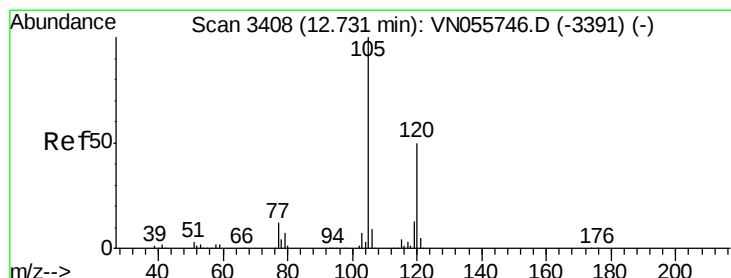
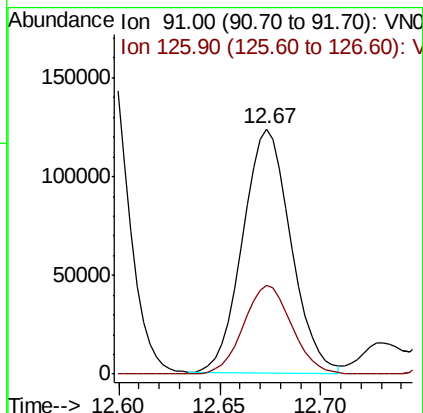
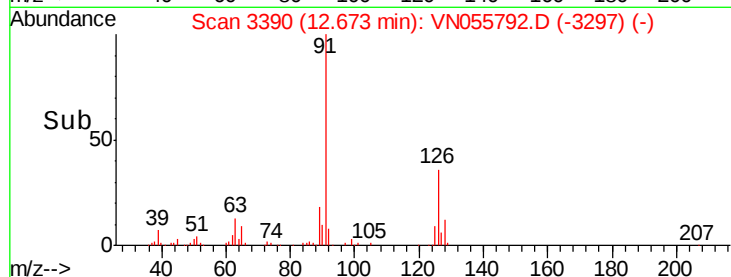
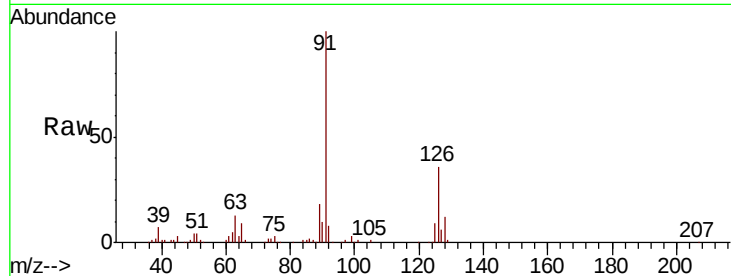
VN0524MBS01

Tot Ion: 91 Resp: 206762

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 20.929 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055792.D

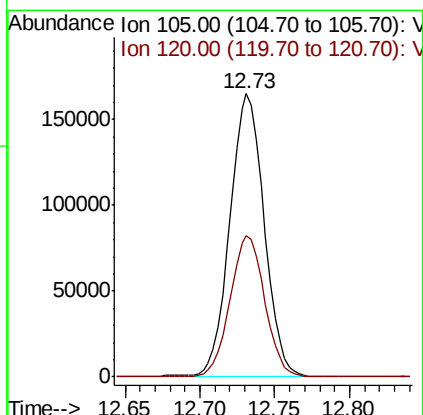
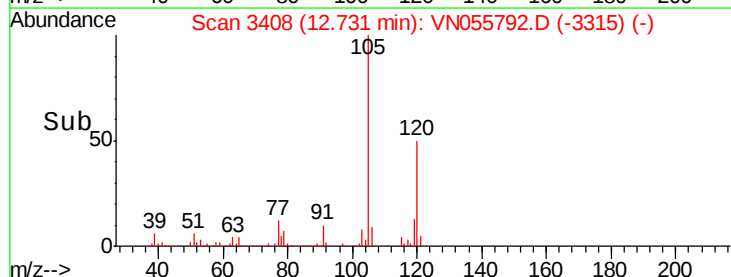
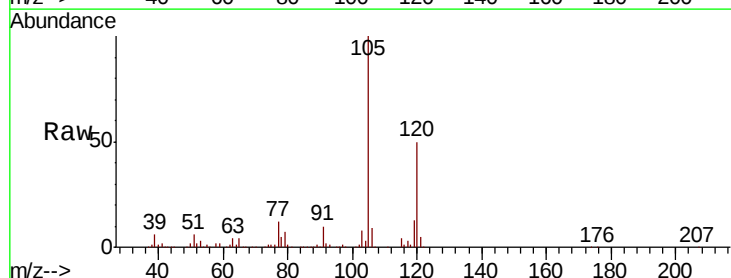
Acq: 24 May 2019 13:37

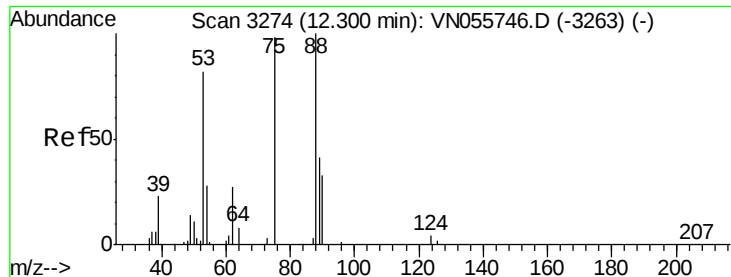
Tgt Ion:105 Resp: 263068

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.036 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

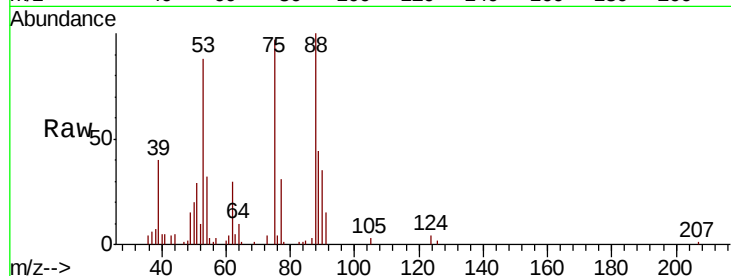
Tot Ion: 75 Resp: 26273

Ion Ratio Lower Upper

75 100

53 89.2 68.1 102.1

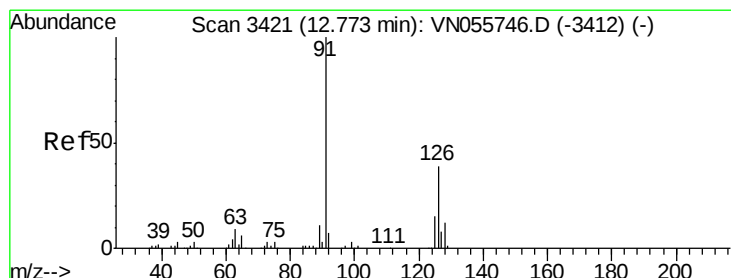
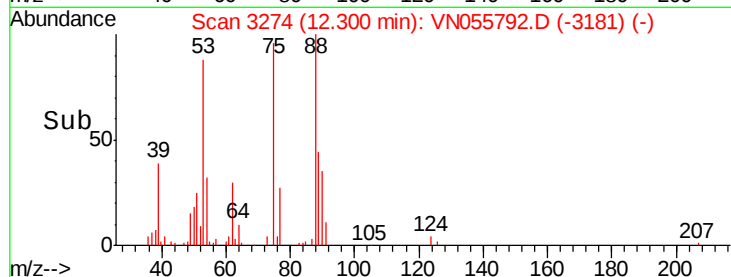
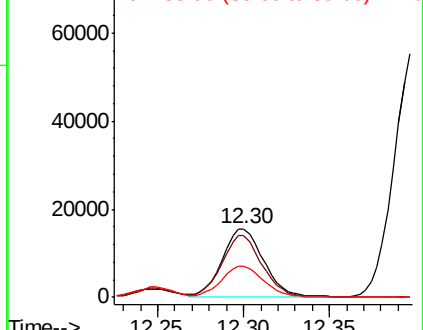
89 46.7 36.9 55.3



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: 19.875 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055792.D

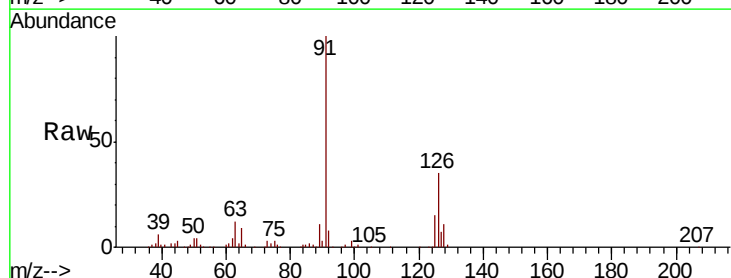
Acq: 24 May 2019 13:37

Tgt Ion: 91 Resp: 199016

Ion Ratio Lower Upper

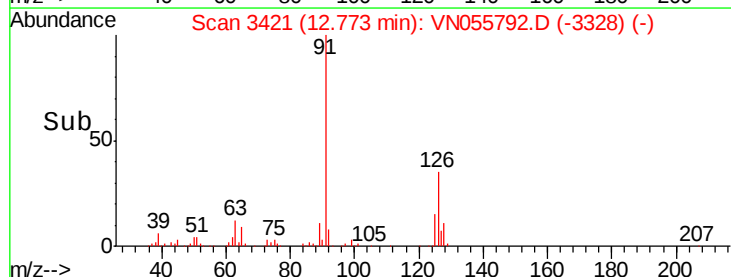
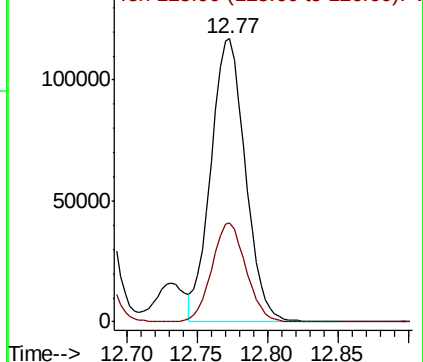
91 100

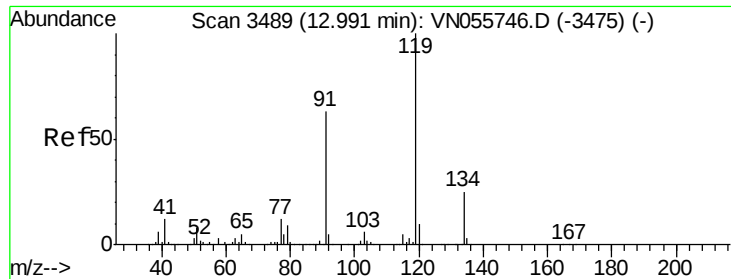
126 34.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

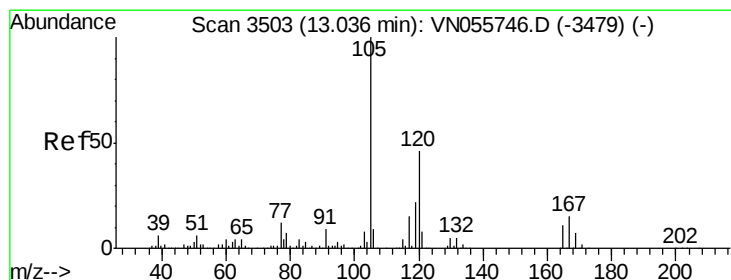
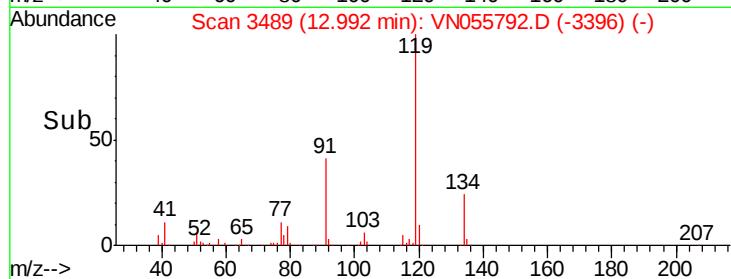
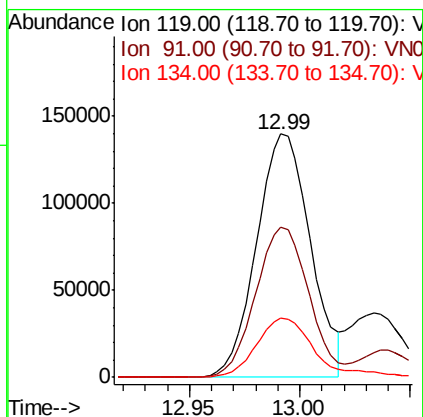
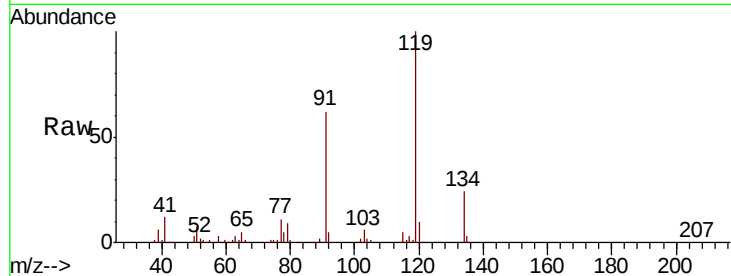




#83
tert-Butylbenzene
Concen: 21.702 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

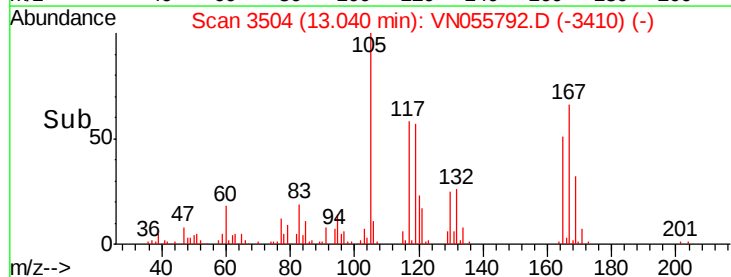
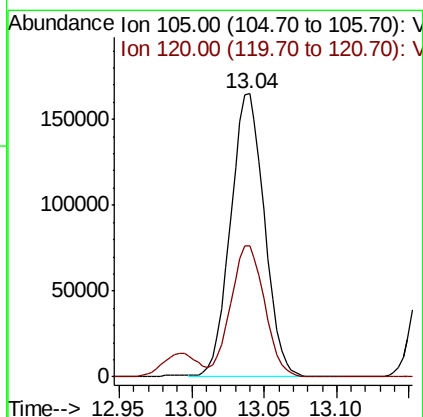
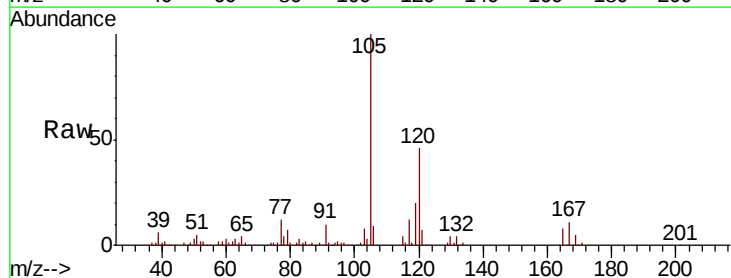
Instrument :
MSVOA_N
ClientSampled :
VN0524MBS01

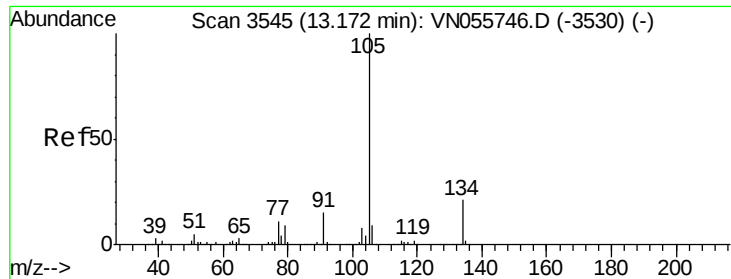
Tot Ion:119 Resp: 237517
Ion Ratio Lower Upper
119 100
91 61.0 30.9 92.8
134 26.1 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 21.501 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion:105 Resp: 267541
Ion Ratio Lower Upper
105 100
120 46.6 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.042 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

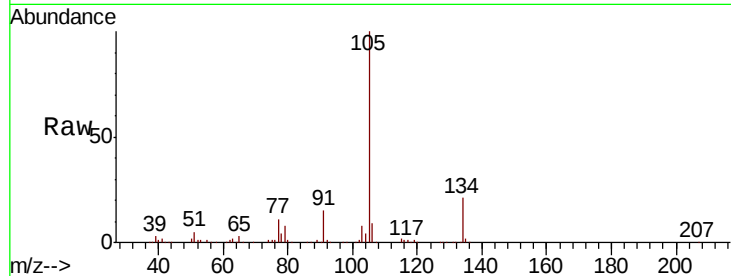
VN0524MBS01

Tot Ion:105 Resp: 295668

Ion Ratio Lower Upper

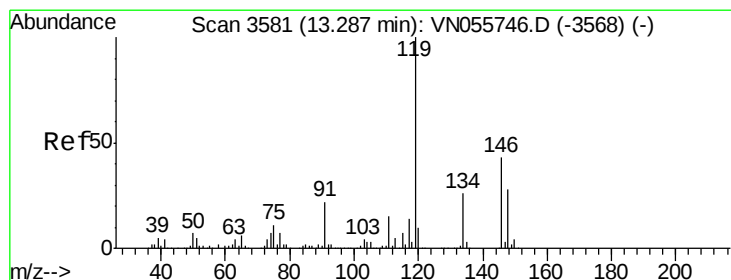
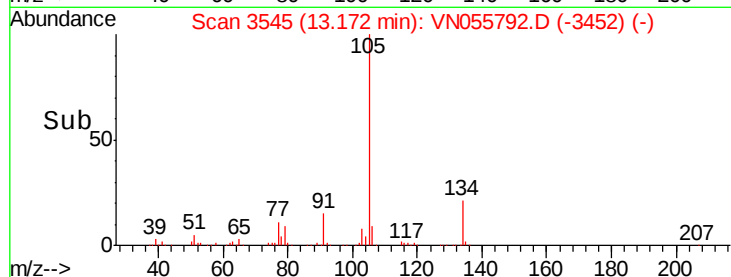
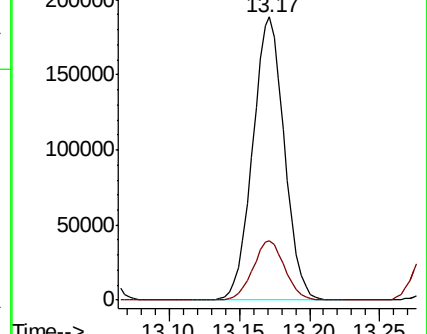
105 100

134 21.0 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.728 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

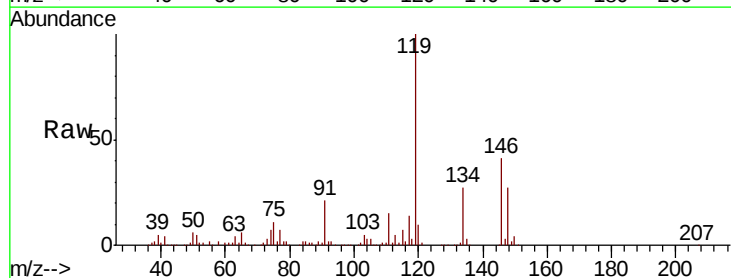
Tgt Ion:119 Resp: 268515

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

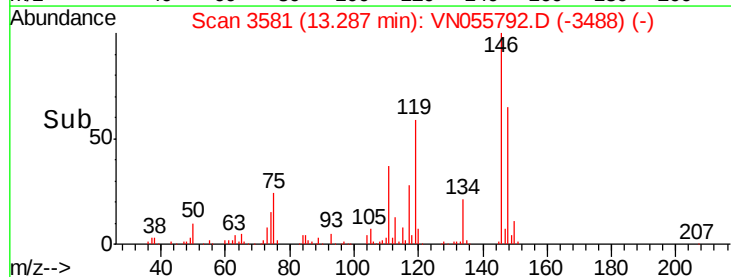
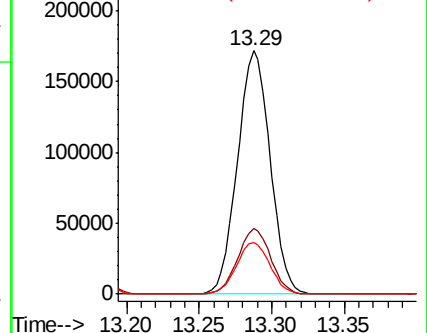
91 21.5 10.9 32.9

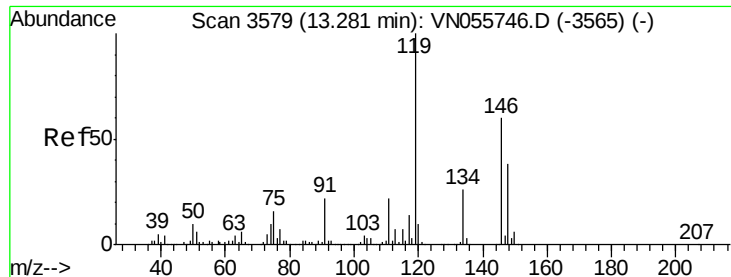


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

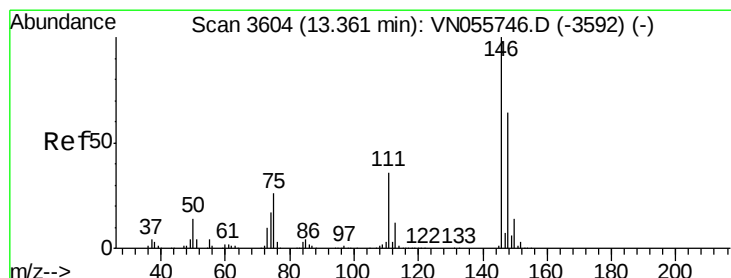
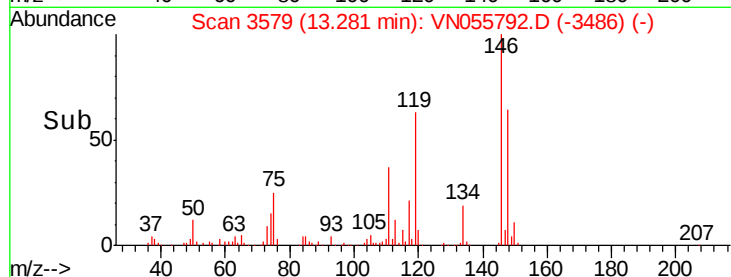
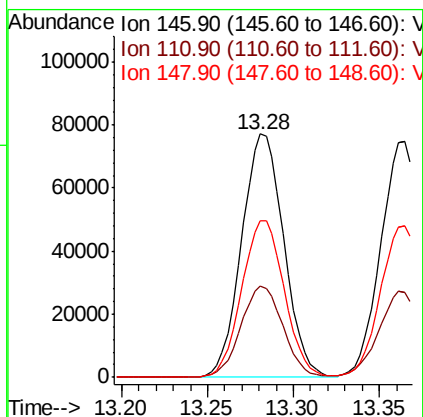
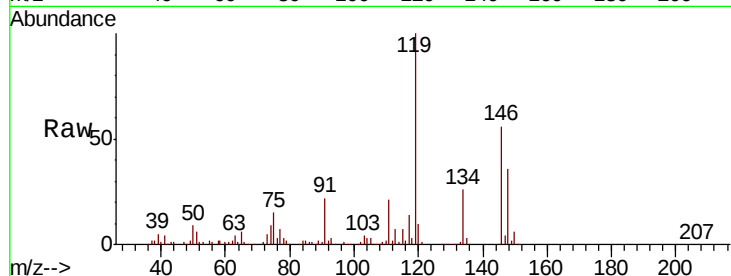




#87
 1,3-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

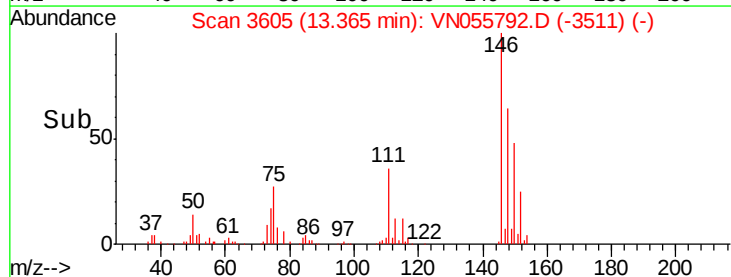
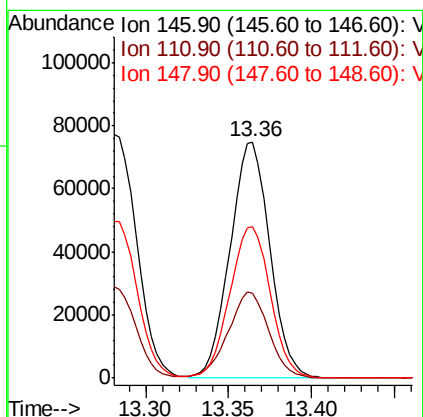
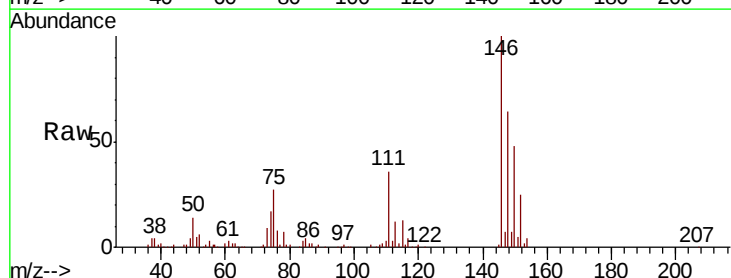
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

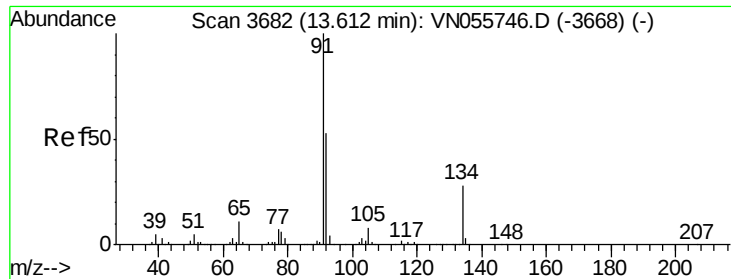
Tot Ion:146 Resp: 131698
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.5 55.5
 148 65.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.866 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion:146 Resp: 125078
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.1 54.4
 148 65.6 32.1 96.5





#89

n-Butylbenzene

Concen: 18.769 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN0524MBS01

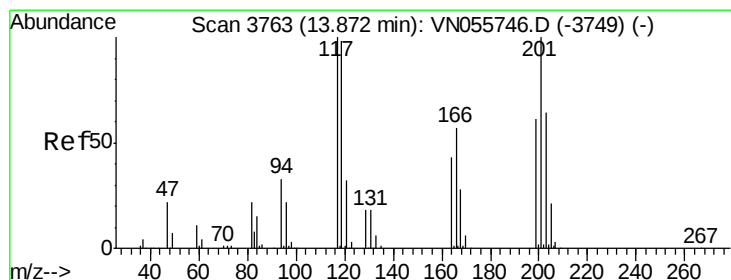
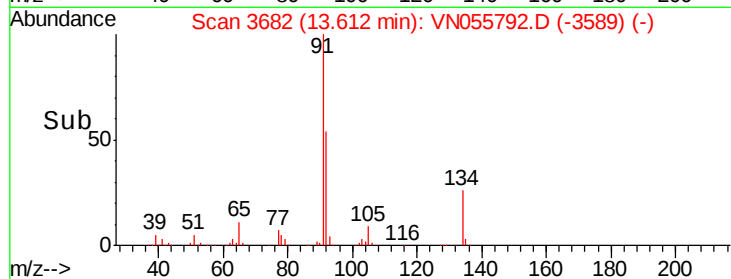
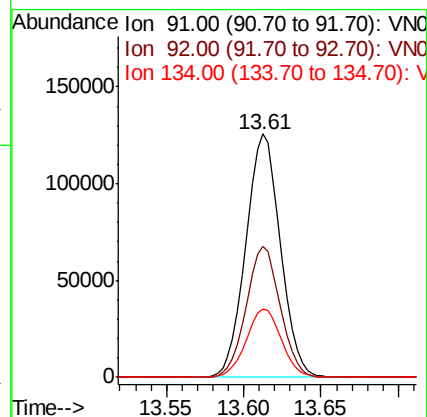
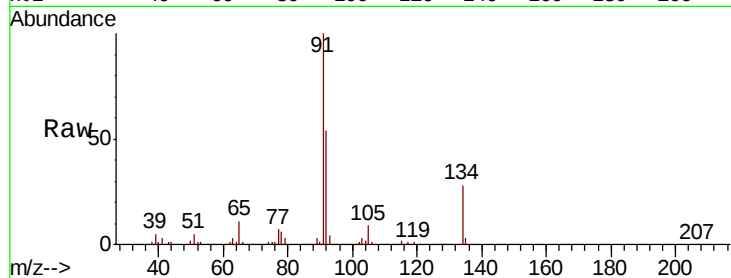
Tot Ion: 91 Resp: 195735

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.0

134 28.7 13.9 41.7



#90

Hexachloroethane

Concen: 18.851 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055792.D

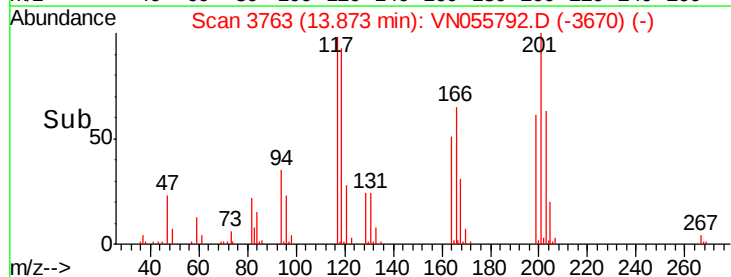
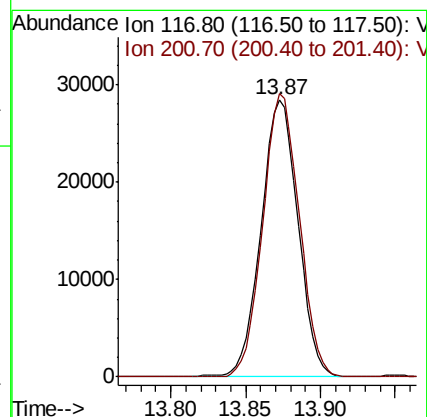
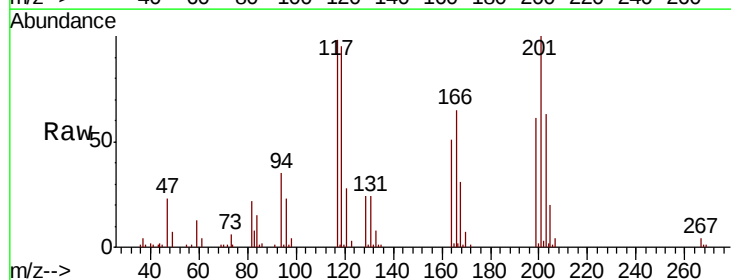
Acq: 24 May 2019 13:37

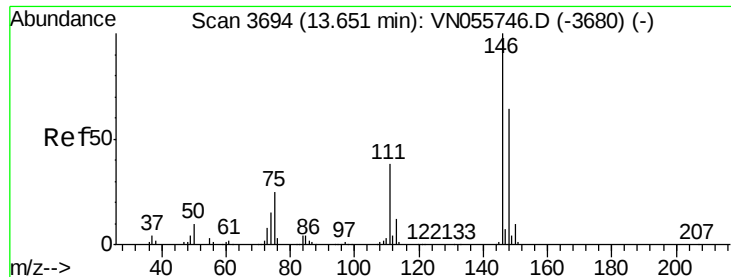
Tgt Ion: 117 Resp: 48837

Ion Ratio Lower Upper

117 100

201 100.9 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.396 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN0524MBS01

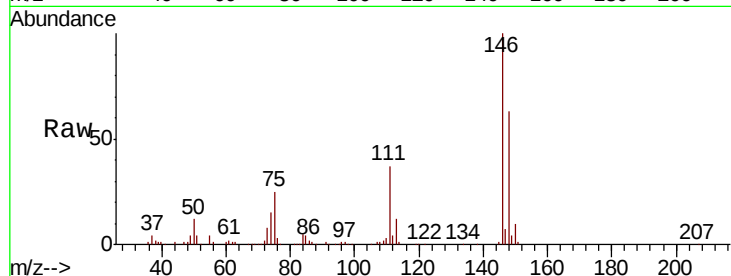
Tot Ion:146 Resp: 134760

Ion Ratio Lower Upper

146 100

111 37.8 19.1 57.5

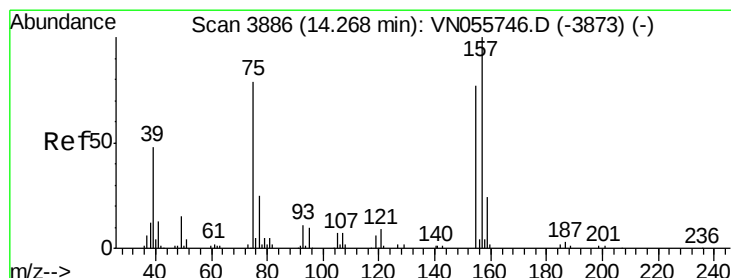
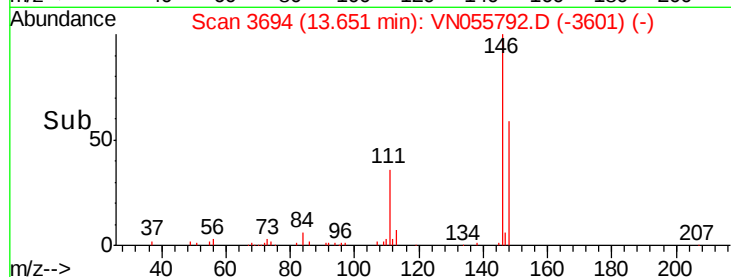
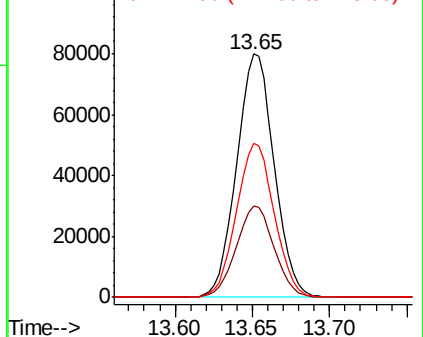
148 63.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.864 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

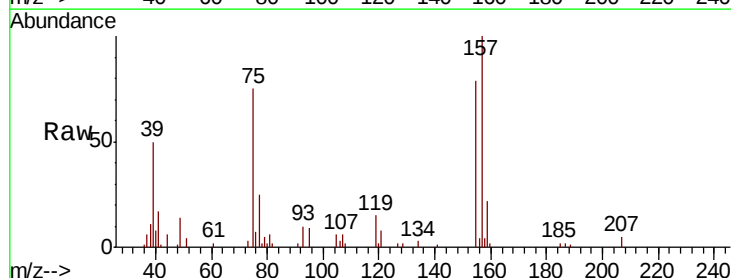
Tgt Ion: 75 Resp: 16382

Ion Ratio Lower Upper

75 100

155 103.4 50.0 150.1

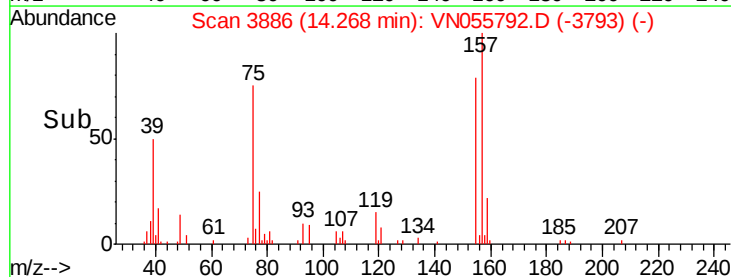
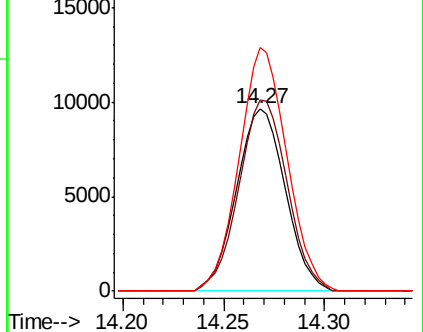
157 130.5 64.8 194.3

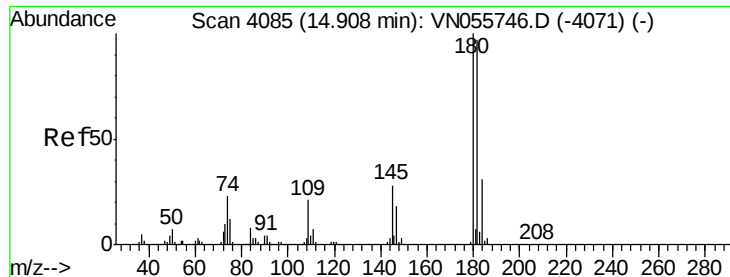


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

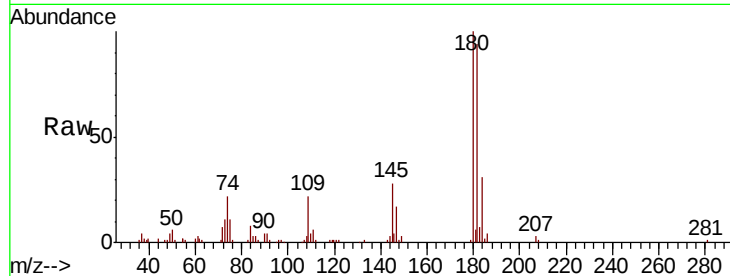




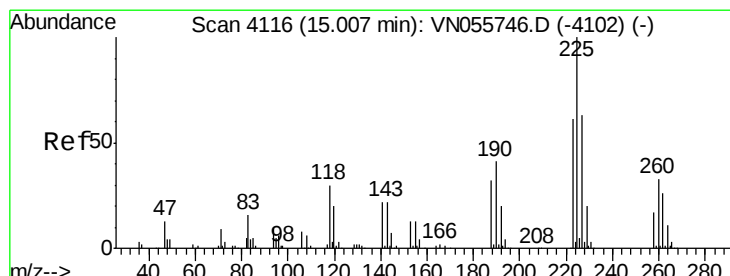
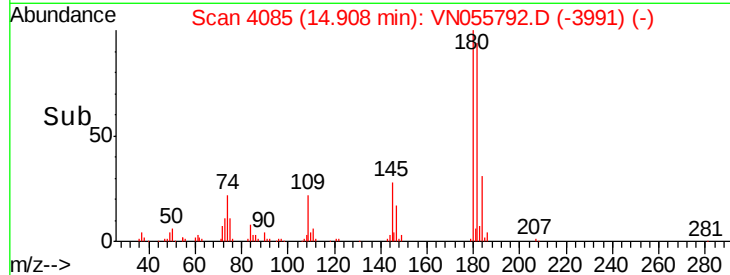
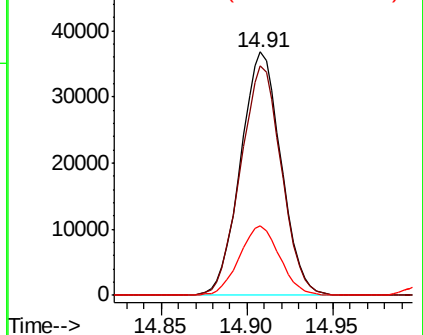
#93
 1,2,4-Trichlorobenzene
 Concen: 18.298 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	28.3	14.0	41.9

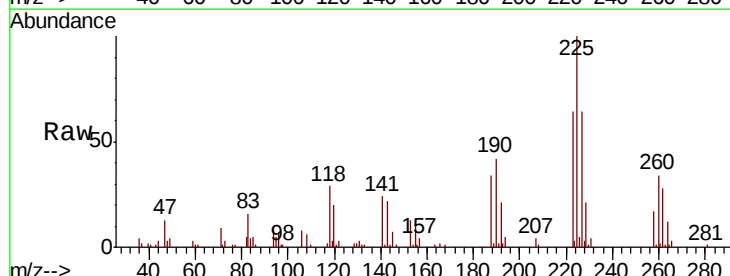


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

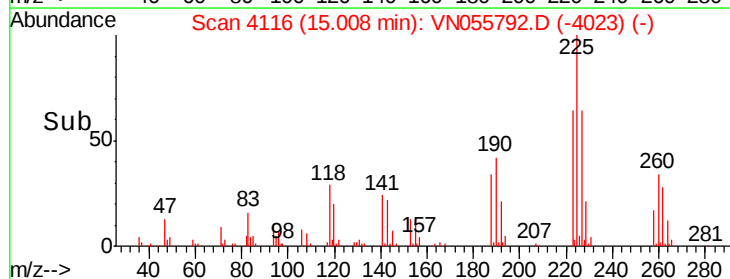
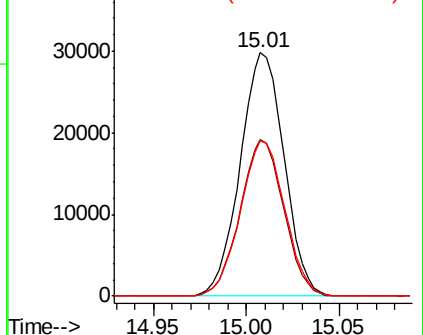


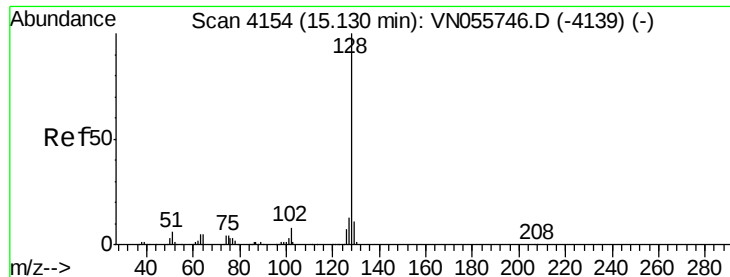
#94
 Hexachlorobutadiene
 Concen: 19.943 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.9	92.7
227	64.5	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: 18.435 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

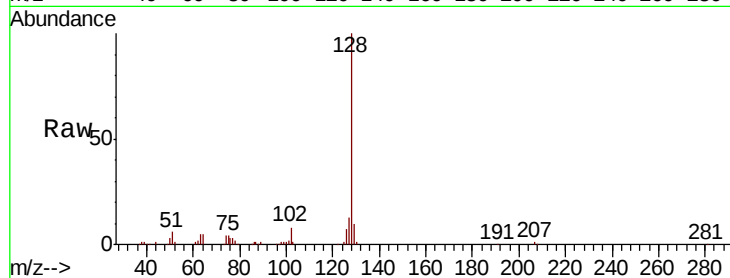
Tot Ion:128 Resp: 167140

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.4 8.7 13.1

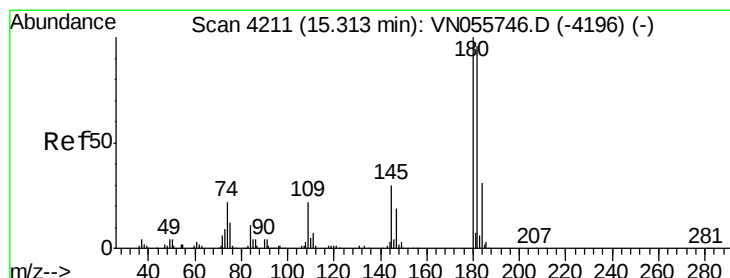
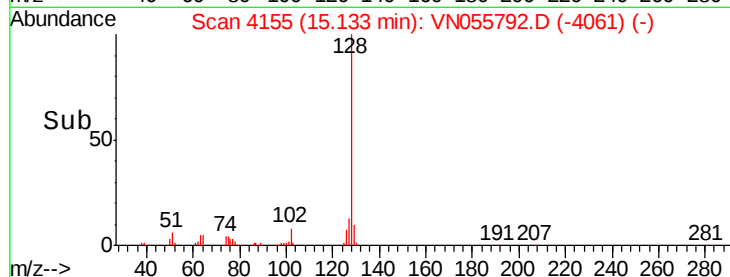
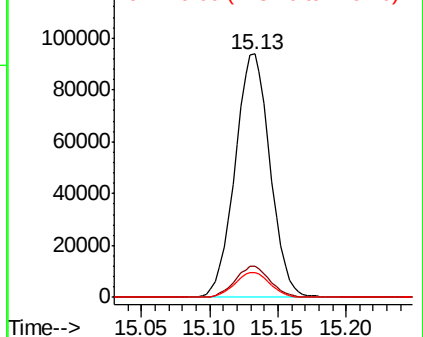


Abundance

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: 18.395 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

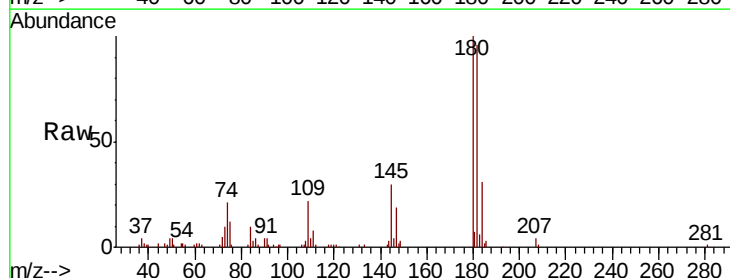
Tgt Ion:180 Resp: 64247

Ion Ratio Lower Upper

180 100

182 97.6 47.9 143.7

145 30.1 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

