

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055787.D
 Acq On : 24 May 2019 11:32
 Operator : JC/SP
 Sample : VN0524WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Quant Time: May 25 04:23:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	60400	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	319541	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	282149	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	113140	28.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.53%
60) 4-Bromofluorobenzene	12.40	95	125374	28.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.20%
63) Toluene-d8	10.09	98	382723	29.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	48303	18.240	ug/l 98
3) Chloromethane	2.06	50	67737	17.982	ug/l 100
4) Vinyl Chloride	2.18	62	73216	19.044	ug/l 100
5) Bromomethane	2.54	94	49859	22.151	ug/l 97
6) Chloroethane	2.69	64	45694	20.345	ug/l 96
7) Trichlorofluoromethane	3.01	101	95505	19.801	ug/l 100
8) Diethyl Ether	3.40	74	43118	20.336	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58868	19.316	ug/l 98
10) 1,1-Dichloroethene	3.72	96	60899	19.102	ug/l 97
11) Methyl Iodide	3.94	142	90013	19.792	ug/l 100
12) Methyl Acetate	4.33	43	67207	17.236	ug/l 98
13) Acrolein	3.60	56	51194	94.493	ug/l 99
14) Acrylonitrile	4.99	53	163752	92.117	ug/l 99
15) Acetone	3.82	58	52086	94.344	ug/l 96
16) Carbon Disulfide	4.04	76	164109	17.954	ug/l 100
17) Allyl chloride	4.31	41	100336	17.474	ug/l 97
18) Methylene Chloride	4.54	84	71603	19.610	ug/l 95
19) trans-1,2-Dichloroethene	5.03	96	65514	19.103	ug/l 97
20) Diisopropyl ether	5.95	45	199661	17.925	ug/l 100
21) 1,1-Dichloroethane	5.84	63	117118	18.604	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	77173	19.294	ug/l 94
23) tert-Butyl Alcohol	4.81	59	70201	89.920	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	203187	18.783	ug/l 100
25) Chloroform	7.37	83	118496	19.058	ug/l 98
26) Cyclohexane	7.65	56	104576	18.007	ug/l # 93
29) 1,1-Dichloropropene	7.79	75	87995	19.671	ug/l 99
30) 2-Butanone	6.84	43	223971	93.937	ug/l 98
31) 2,2-Dichloropropane	6.82	77	99726	19.158	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	104619	19.732	ug/l 99
33) Carbon Tetrachloride	7.77	117	91625	19.318	ug/l 98
34) Benzene	8.04	78	271502	19.659	ug/l 99
35) Methacrylonitrile	7.17	41	40982	18.622	ug/l 98
36) 1,2-Dichloroethane	8.12	62	88589	19.629	ug/l 100
37) Trichloroethene	8.83	130	77276	20.055	ug/l 97
38) Methylcyclohexane	9.08	83	108382	19.123	ug/l 97
39) 1,2-Dichloropropane	9.12	63	71012	19.127	ug/l 100
40) Dibromomethane	9.21	93	47607	19.858	ug/l 99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0524WBS01

Quant Time: May 25 04:23:54 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	92448	18.815	ug/l	99
42) Vinyl Acetate	5.90	43	861405	93.054	ug/l	99
43) Ethyl Acetate	6.93	43	86408	18.437	ug/l #	100
44) Isopropyl Acetate	8.17	43	141599	18.246	ug/l #	89
45) 1,4-Dioxane	9.20	88	30141	412.833	ug/l	97
46) Methyl methacrylate	9.20	41	65192	18.005	ug/l	98
47) n-amyl Acetate	12.07	43	112924	17.592	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	97189	17.919	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	109732	18.484	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	68952	19.756	ug/l	99
51) Ethyl methacrylate	10.43	69	106410	18.916	ug/l	98
52) 1,3-Dichloropropane	10.71	76	110498	19.208	ug/l	99
53) Dibromochloromethane	10.90	129	78550	19.052	ug/l	98
54) 1,2-Dibromoethane	11.00	107	71031	19.668	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	190843	87.191	ug/l	98
56) Bromoform	12.13	173	60419	17.865	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	432927	92.687	ug/l	98
59) 2-Hexanone	10.75	43	302213	90.503	ug/l	98
61) Tetrachloroethene	10.63	164	80177	20.992	ug/l	99
62) Toluene	10.16	91	304225	20.051	ug/l	99
64) Chlorobenzene	11.43	112	186224	20.233	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	72753	19.618	ug/l	99
66) Ethyl Benzene	11.51	91	327614	19.762	ug/l	100
67) m/p-Xylenes	11.62	106	251875	39.995	ug/l	99
68) o-Xylene	11.95	106	125694	20.169	ug/l	100
69) Styrene	11.96	104	198532	19.310	ug/l	99
70) Isopropylbenzene	12.25	105	326374	20.016	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	95624	19.056	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	116004	26.860	ug/l	67
73) Bromobenzene	12.53	156	85593	19.842	ug/l	95
74) n-propylbenzene	12.59	91	342858	19.496	ug/l	99
75) 2-Chlorotoluene	12.67	91	212339	19.767	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	270695	20.084	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	28248	16.466	ug/l	96
78) 4-Chlorotoluene	12.77	91	194381	19.093	ug/l	98
79) tert-butylbenzene	12.99	119	240789	20.322	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	265013	19.807	ug/l	100
81) sec-Butylbenzene	13.17	105	300634	19.970	ug/l	99
82) p-Isopropyltoluene	13.29	119	272970	19.702	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	130498	19.298	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	119978	18.631	ug/l	99
85) n-Butylbenzene	13.61	91	198437	18.410	ug/l	99
86) Hexachloroethane	13.87	117	49025	17.990	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	132346	19.437	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16111	16.940	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	58338	15.872	ug/l	99
90) Hexachlorobutadiene	15.01	225	50288	18.337	ug/l	98
91) Naphthalene	15.13	128	163074	16.238	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	65446	17.037	ug/l	100

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

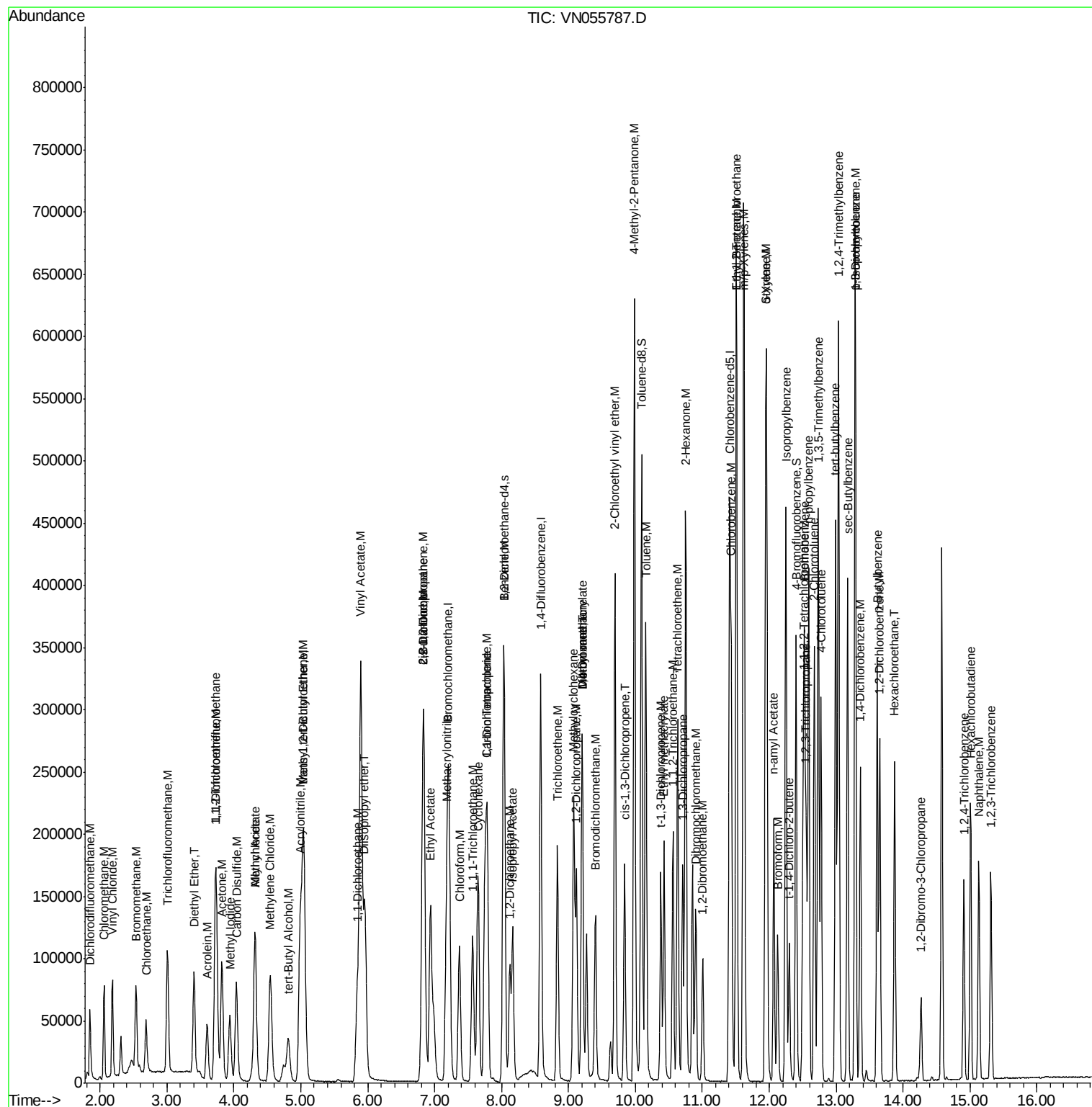
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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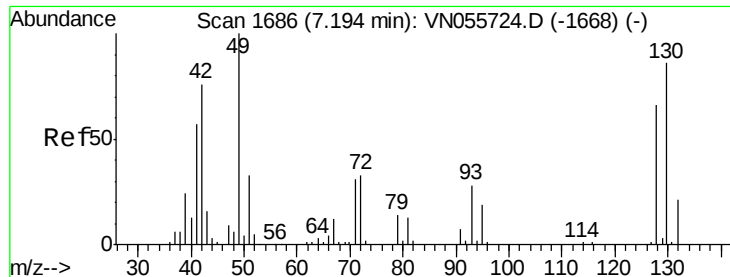
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
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Misc : 5.00mL/MSVOA N/WATER
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Quant Time: May 25 04:23:54 2019
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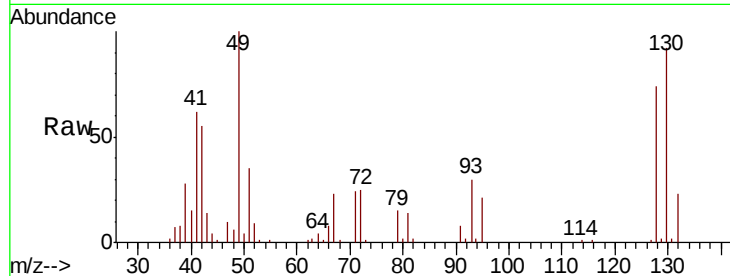




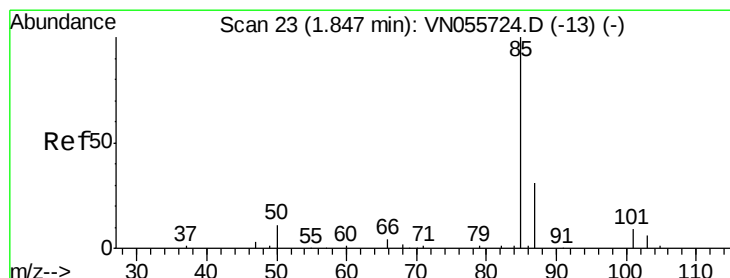
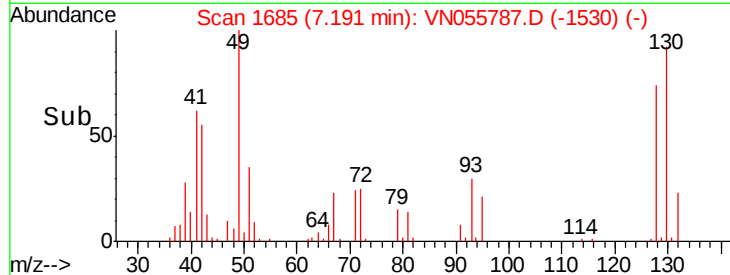
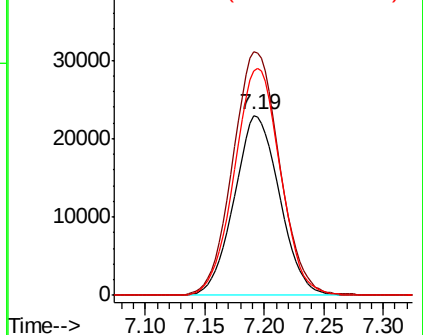
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion:128 Resp: 60400
 Ion Ratio Lower Upper
 128 100
 49 139.8 0.0 383.2
 130 128.1 0.0 326.3

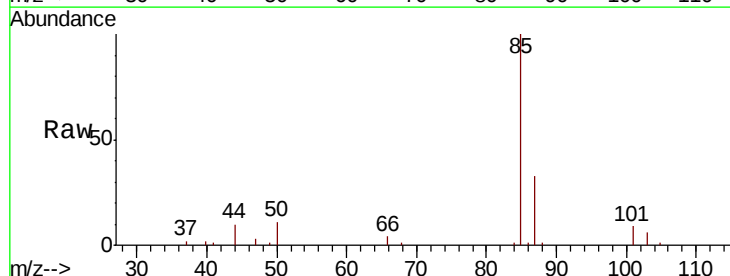


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

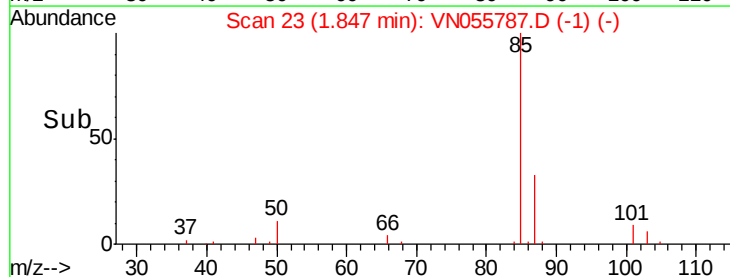
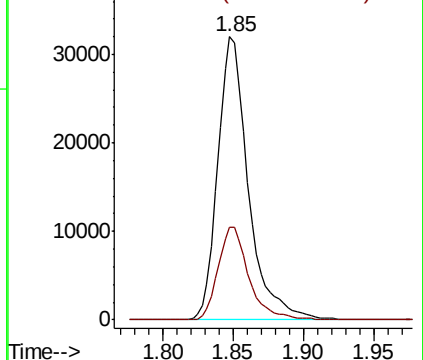


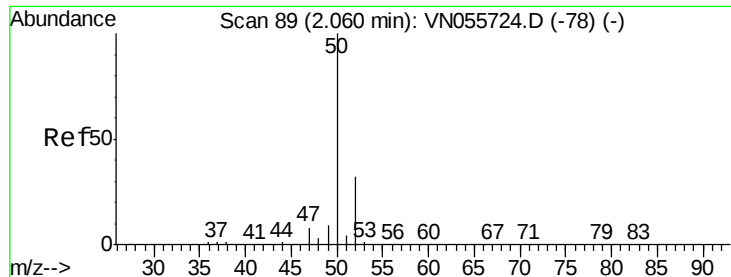
#2
 Dichlorodifluoromethane
 Concen: 18.240 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion: 85 Resp: 48303
 Ion Ratio Lower Upper
 85 100
 87 32.6 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.982 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

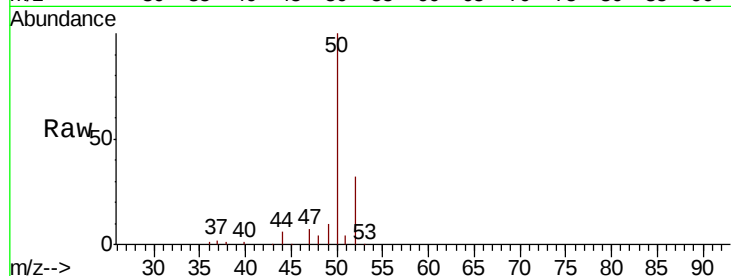
VN0524WBS01

Tot Ion: 50 Resp: 67737

Ion Ratio Lower Upper

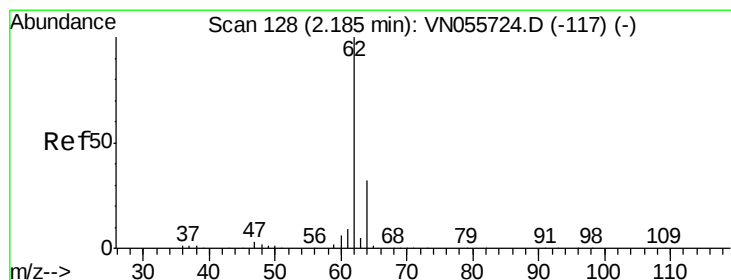
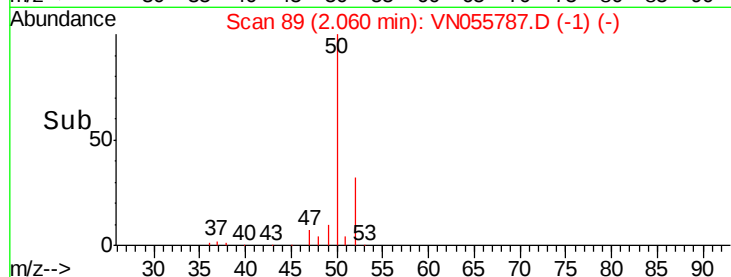
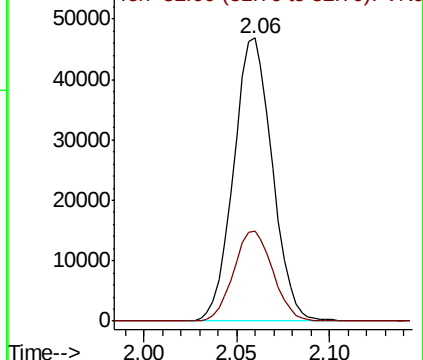
50 100

52 31.8 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.044 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055787.D

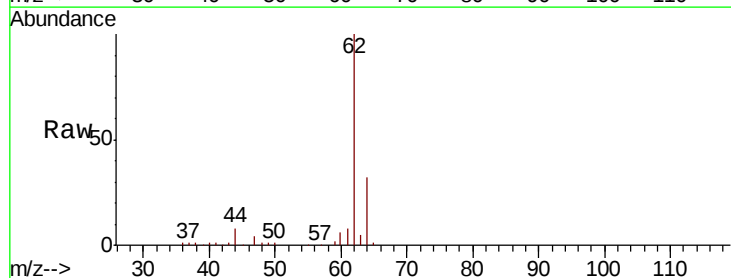
Acq: 24 May 2019 11:32

Tgt Ion: 62 Resp: 73216

Ion Ratio Lower Upper

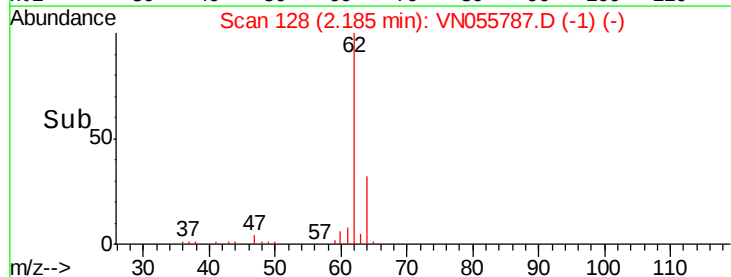
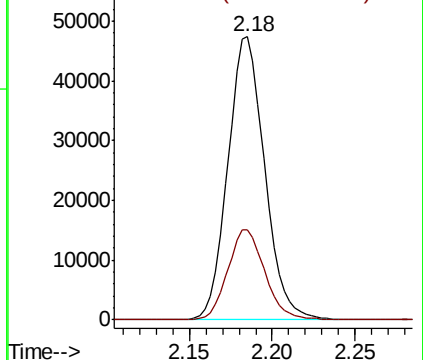
62 100

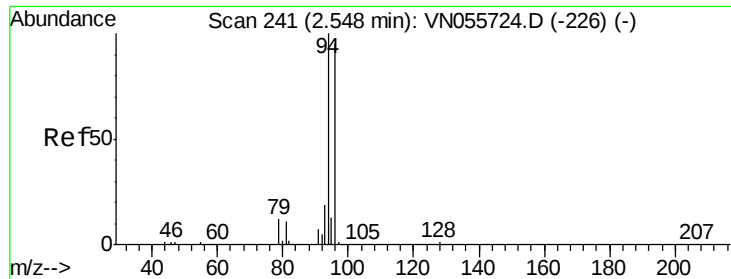
64 32.0 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

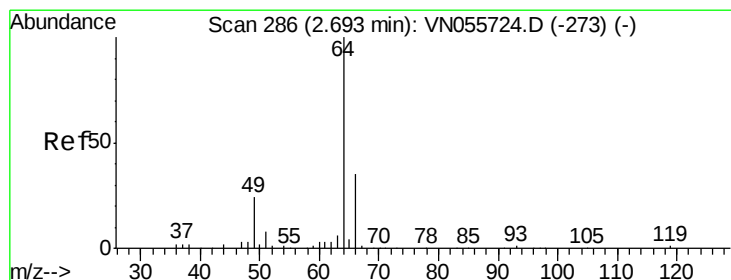
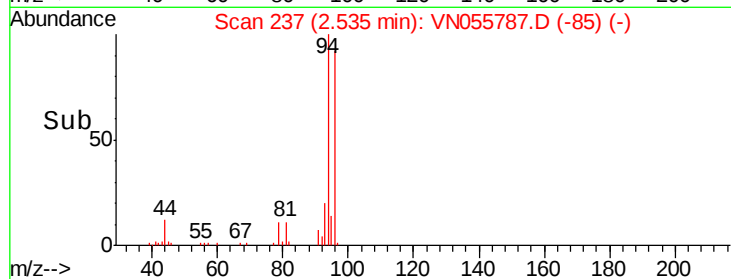
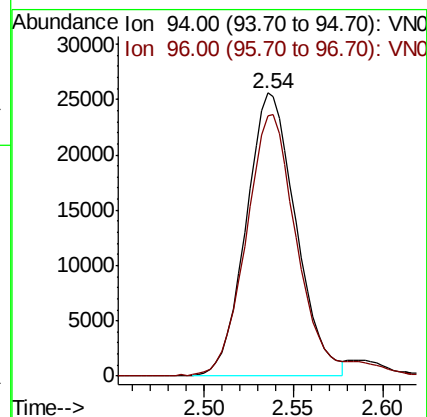
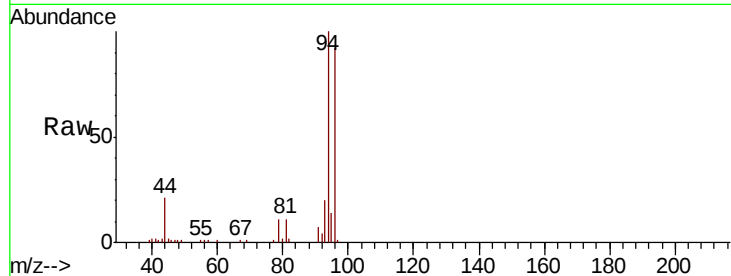




#5
Bromomethane
Concen: 22.151 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.01 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

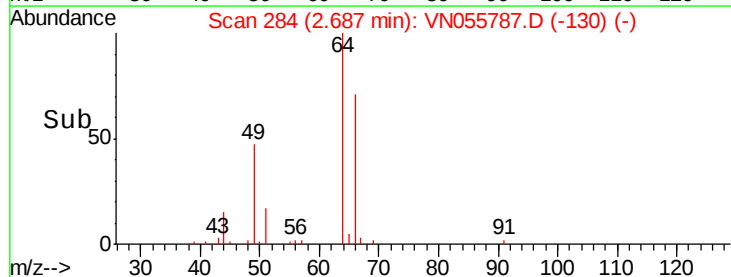
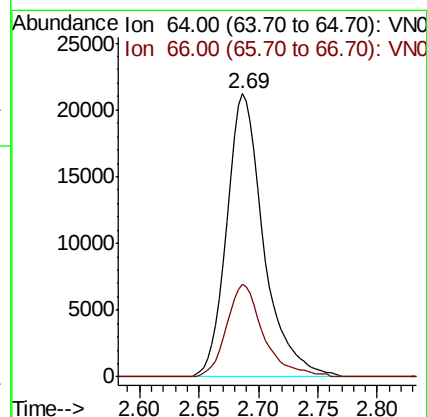
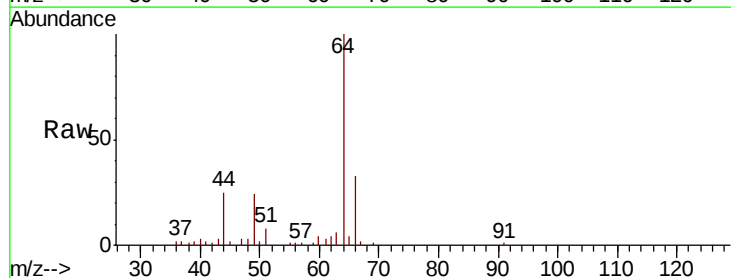
Instrument :
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ClientSampleId :
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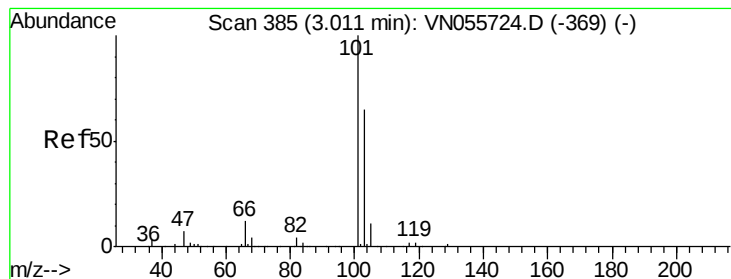
Tot Ion: 94 Resp: 49859
Ion Ratio Lower Upper
94 100
96 91.5 75.8 113.8



#6
Chloroethane
Concen: 20.345 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.01 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 64 Resp: 45694
Ion Ratio Lower Upper
64 100
66 32.6 27.9 41.9



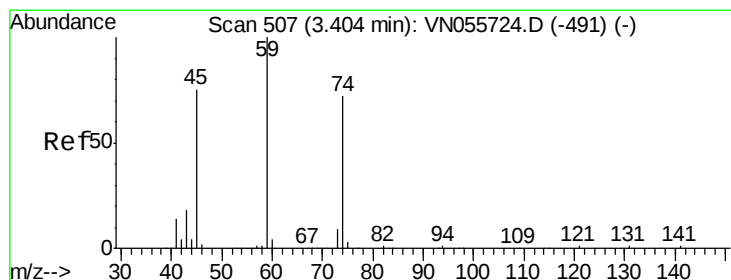
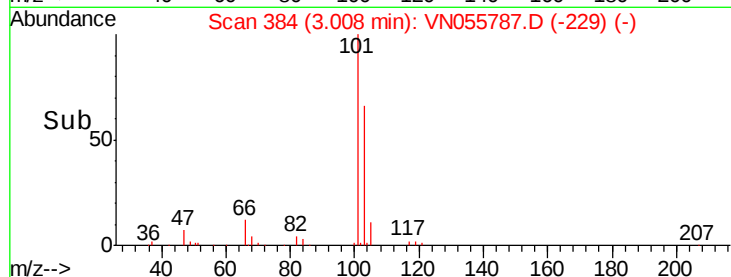
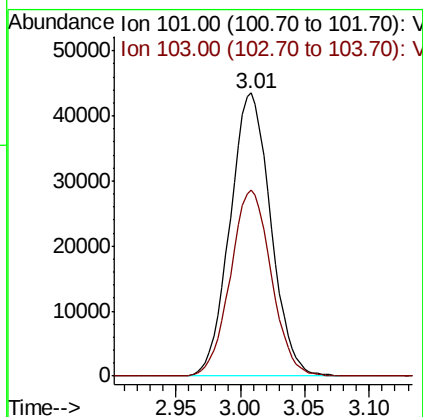
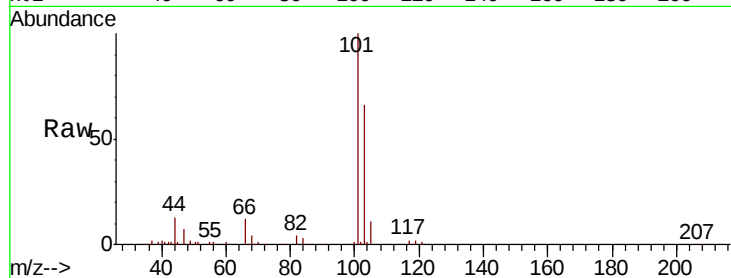


#7

Trichlorofluoromethane
 Concen: 19.801 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

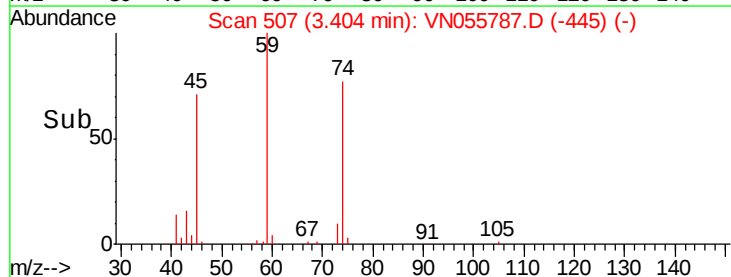
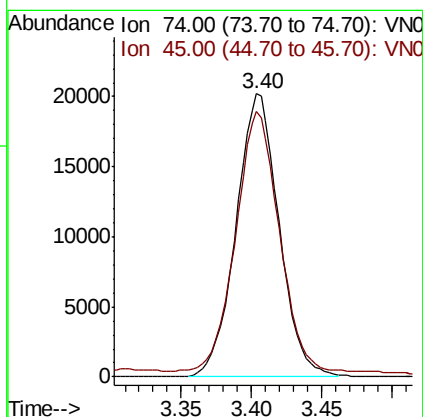
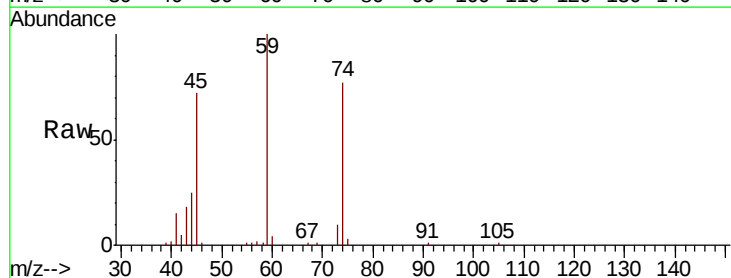
Tot Ion:101 Resp: 95505
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 78.8

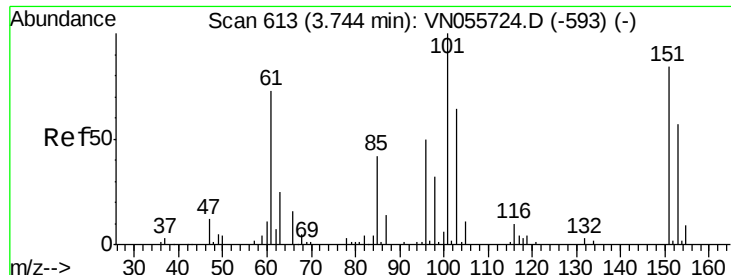


#8

Diethyl Ether
 Concen: 20.336 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion: 74 Resp: 43118
 Ion Ratio Lower Upper
 74 100
 45 91.1 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.316 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS01

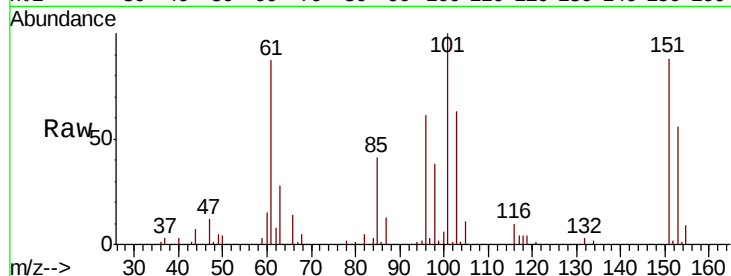
Tot Ion:101 Resp: 58868

Ion Ratio Lower Upper

101 100

85 42.0 0.0 86.6

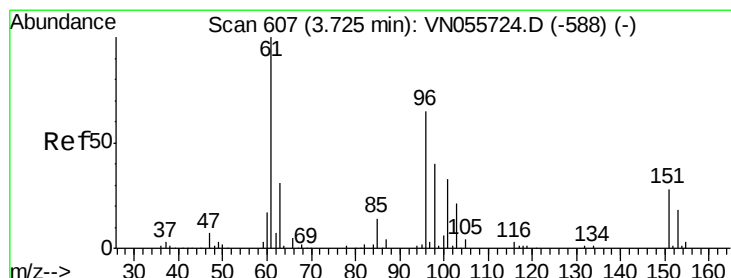
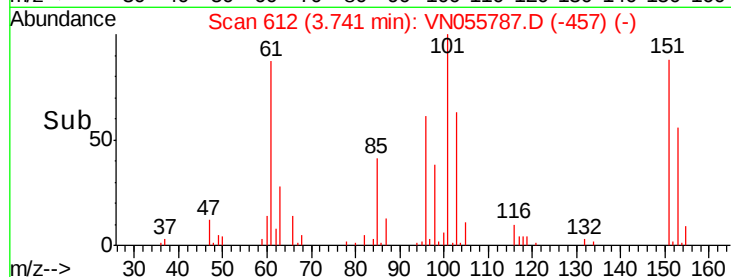
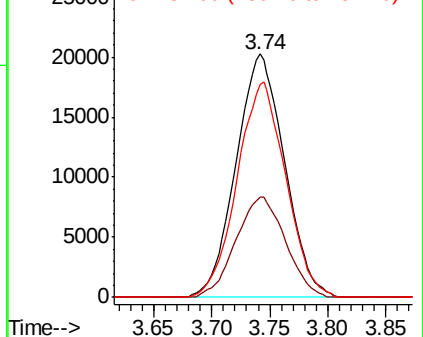
151 88.5 0.0 172.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.102 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

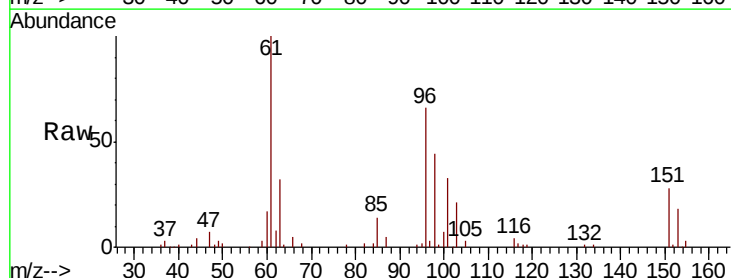
Tgt Ion: 96 Resp: 60899

Ion Ratio Lower Upper

96 100

61 150.9 123.7 185.5

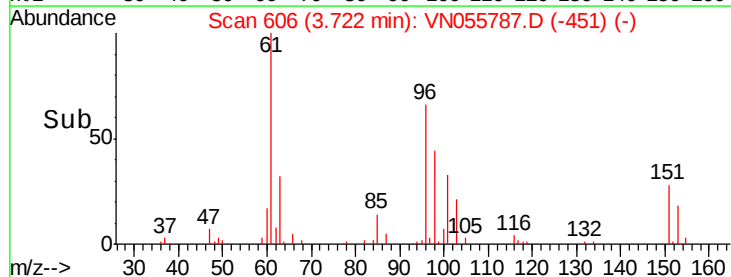
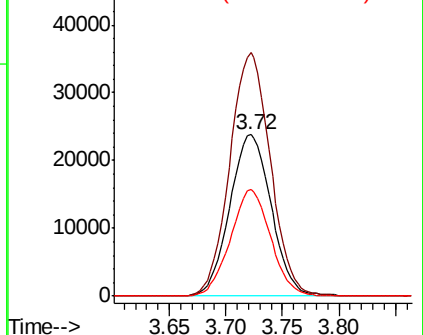
98 66.2 50.0 75.0

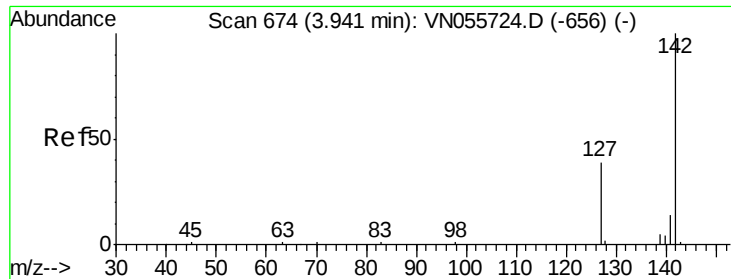


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

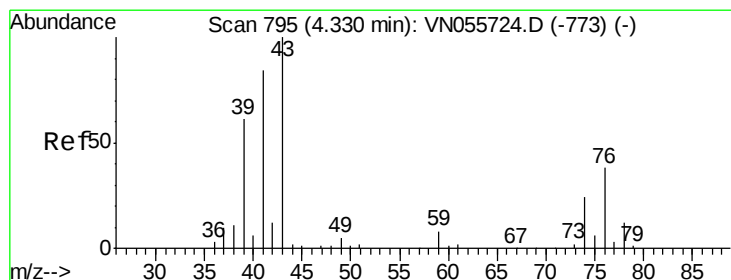
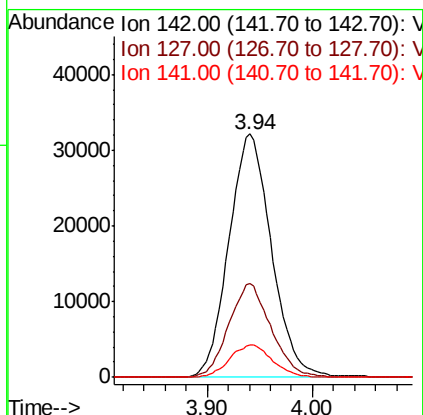
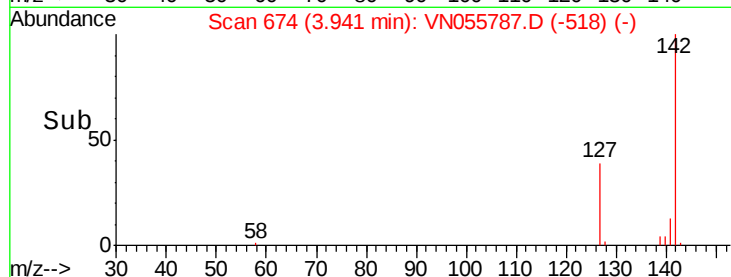
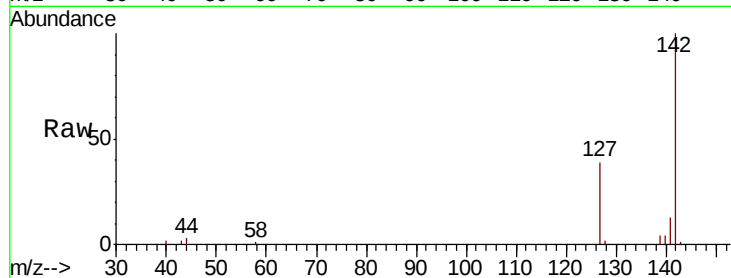




#11
Methyl Iodide
Concen: 19.792 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

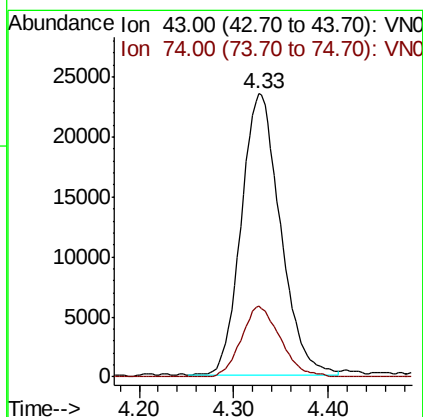
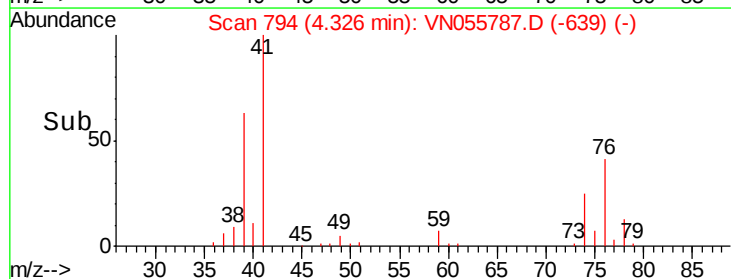
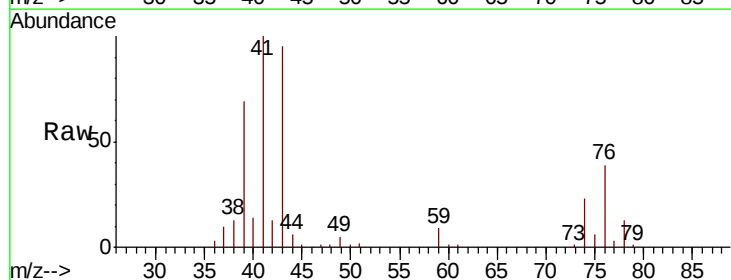
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

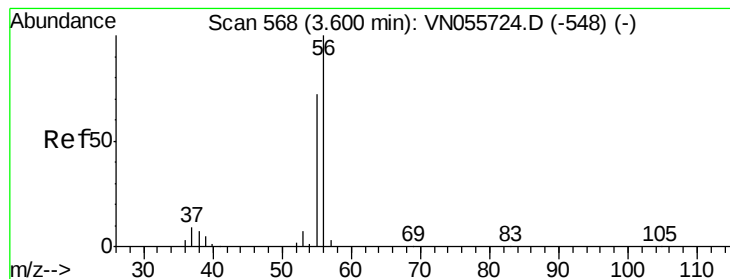
Tot Ion:142 Resp: 90013
Ion Ratio Lower Upper
142 100
127 38.9 19.6 58.7
141 13.5 6.9 20.6



#12
Methyl Acetate
Concen: 17.236 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 43 Resp: 67207
Ion Ratio Lower Upper
43 100
74 25.2 19.2 28.8





#13

Acrolein

Concen: 94.493 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

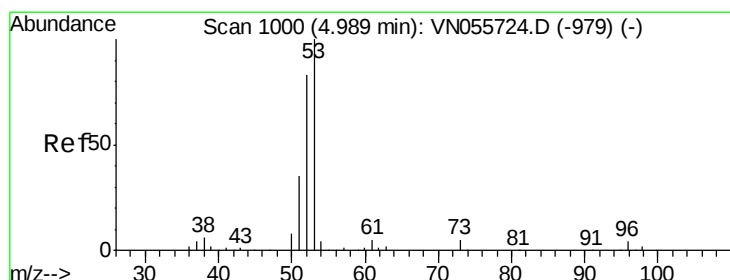
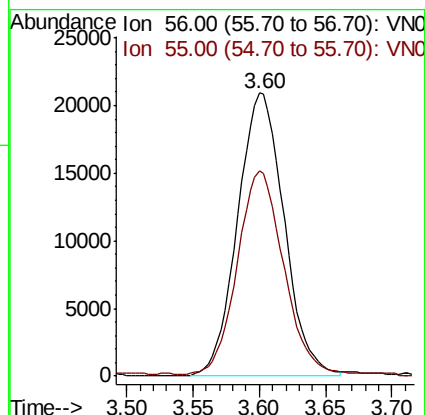
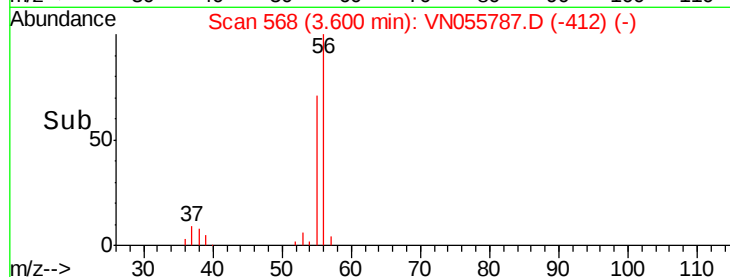
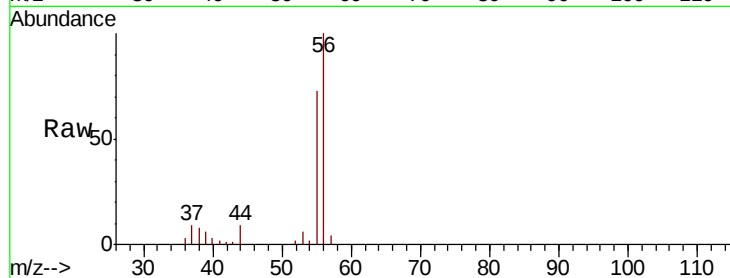
VN0524WBS01

Tot Ion: 56 Resp: 51194

Ion Ratio Lower Upper

56 100

55 71.9 57.0 85.6



#14

Acrylonitrile

Concen: 92.117 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

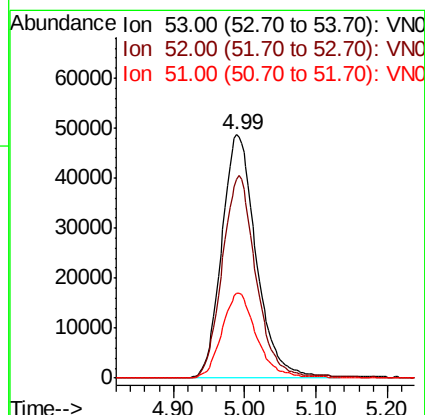
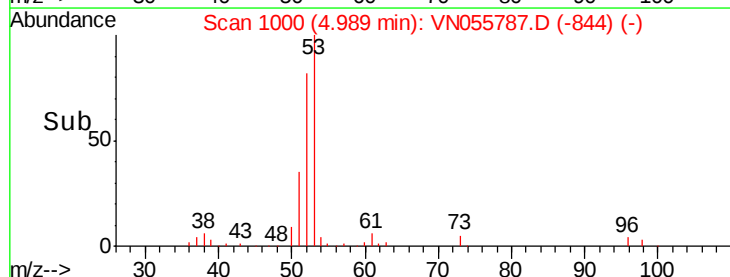
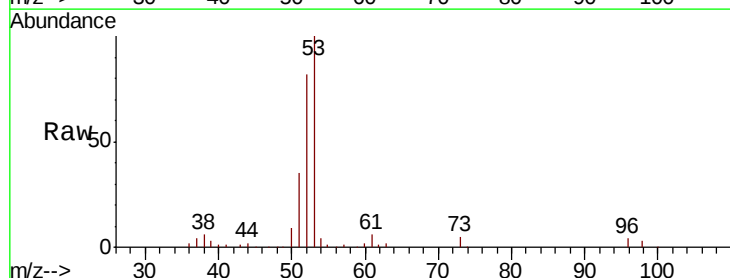
Tgt Ion: 53 Resp: 163752

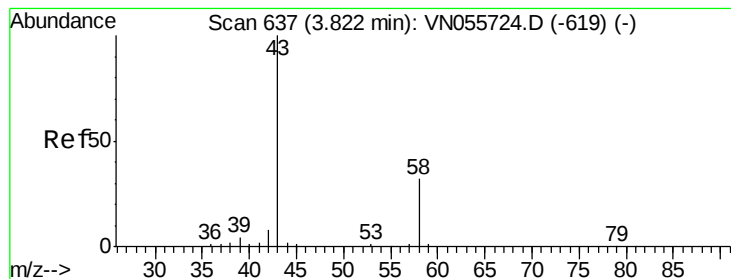
Ion Ratio Lower Upper

53 100

52 81.1 41.1 123.4

51 34.9 17.5 52.6





#15

Acetone

Concen: 94.344 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

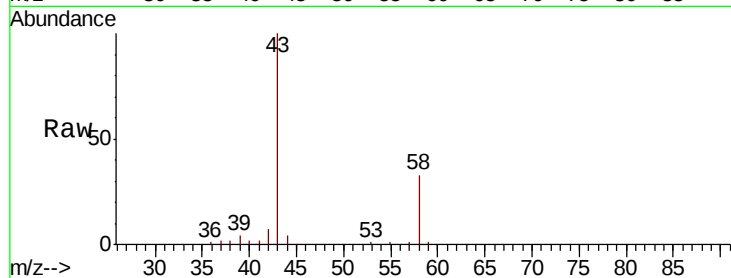
VN0524WBS01

Tot Ion: 58 Resp: 52086

Ion Ratio Lower Upper

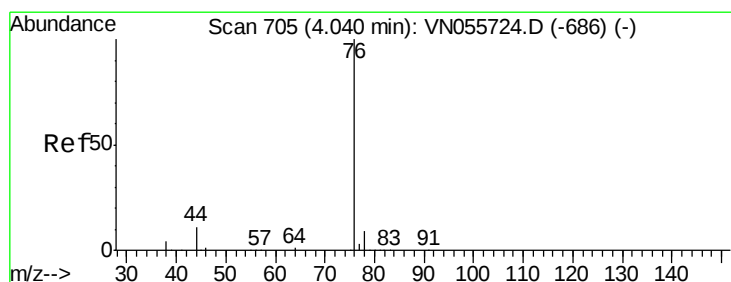
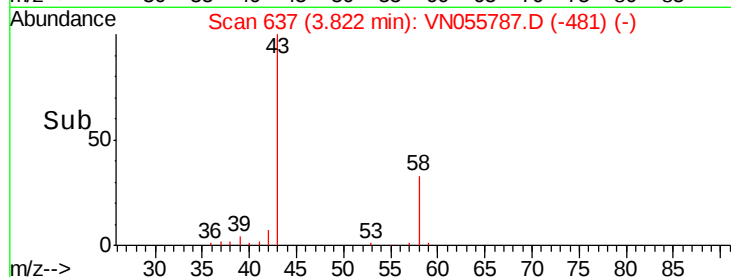
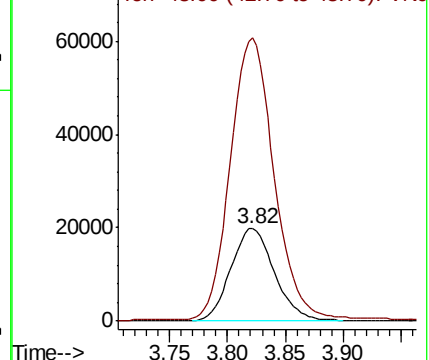
58 100

43 302.4 248.8 373.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.954 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055787.D

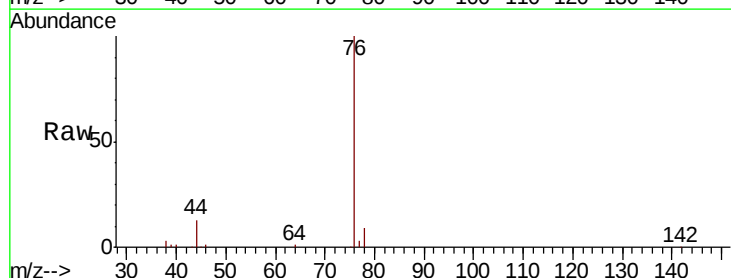
Acq: 24 May 2019 11:32

Tgt Ion: 76 Resp: 164109

Ion Ratio Lower Upper

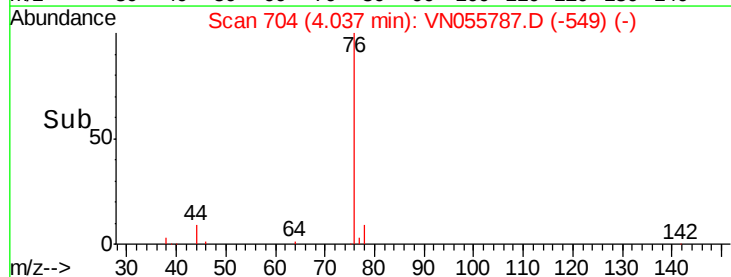
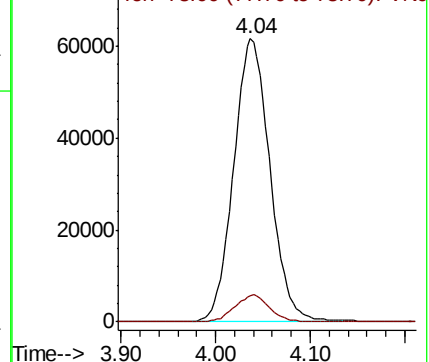
76 100

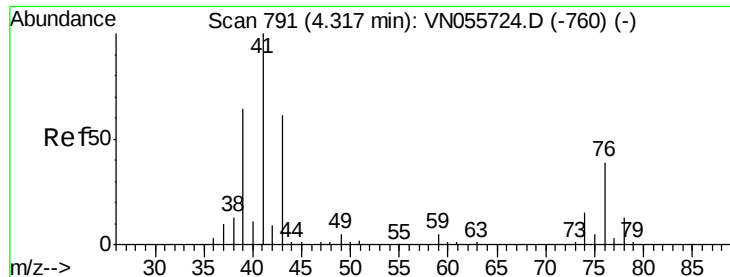
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

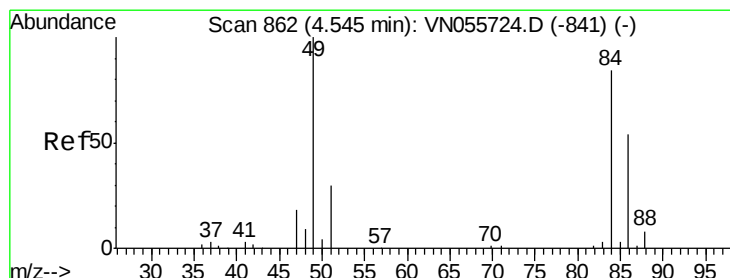
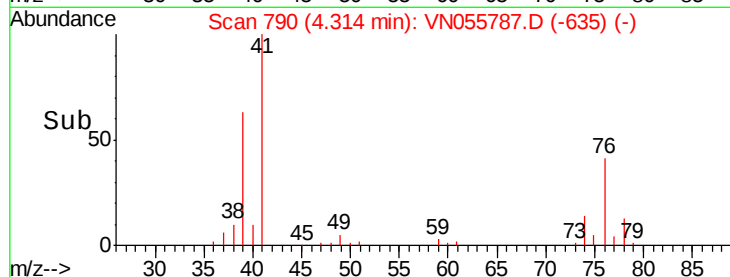
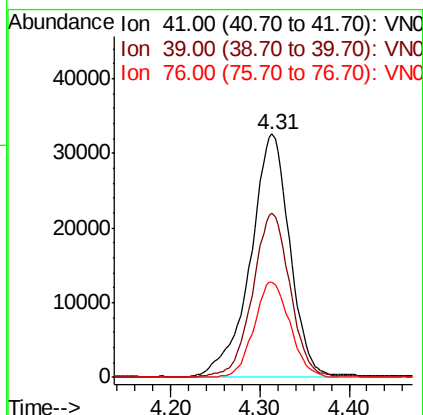
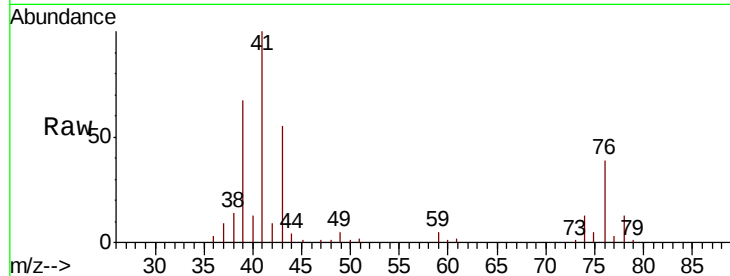




#17
Allvl chloride
Concen: 17.474 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

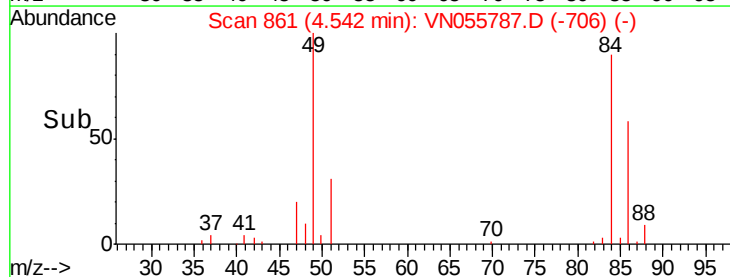
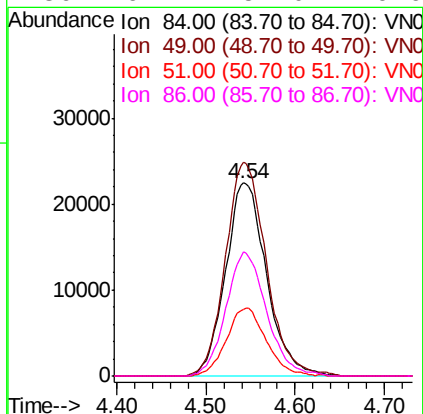
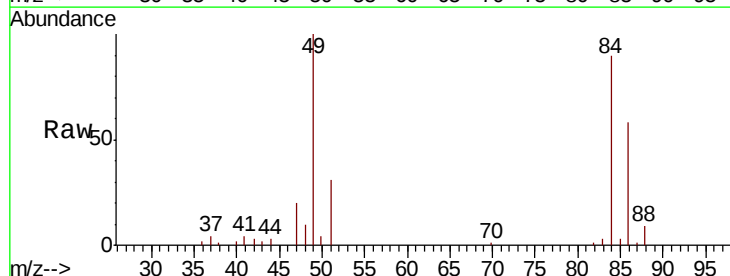
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

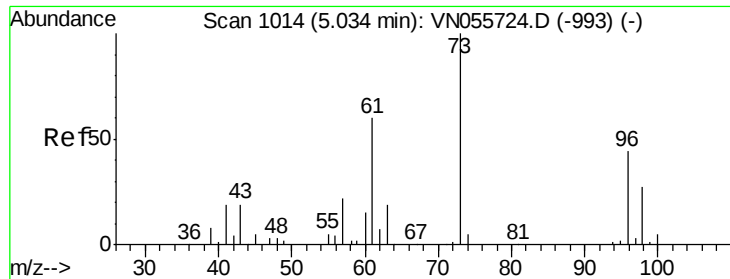
Tot Ion: 41 Resp: 100336
Ion Ratio Lower Upper
41 100
39 67.2 31.8 95.3
76 39.1 19.3 57.9



#18
Methylene Chloride
Concen: 19.610 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 84 Resp: 71603
Ion Ratio Lower Upper
84 100
49 110.0 94.7 142.1
51 34.6 28.6 43.0
86 64.2 51.0 76.6





#19

trans-1,2-Dichloroethene

Concen: 19.103 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

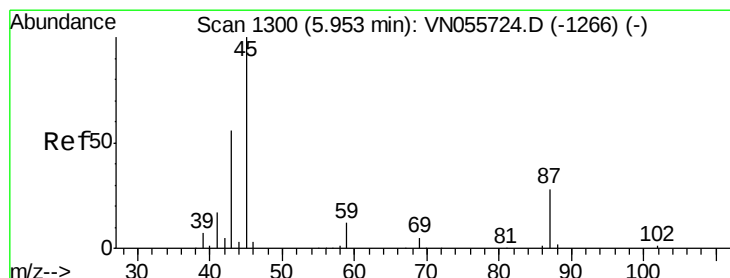
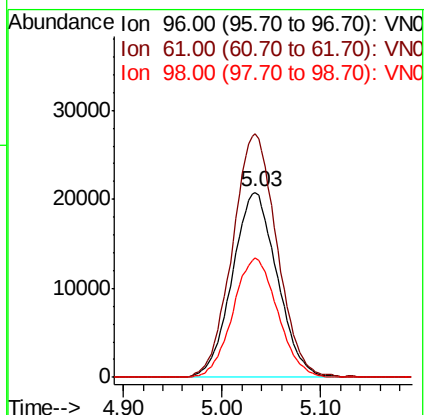
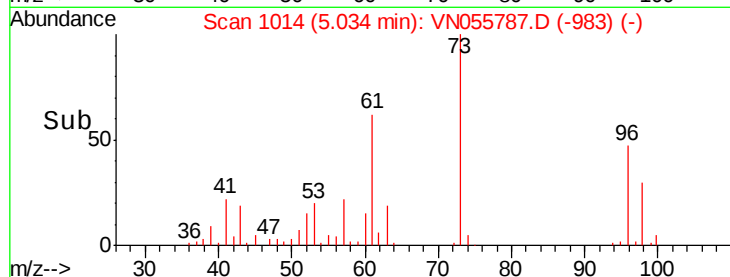
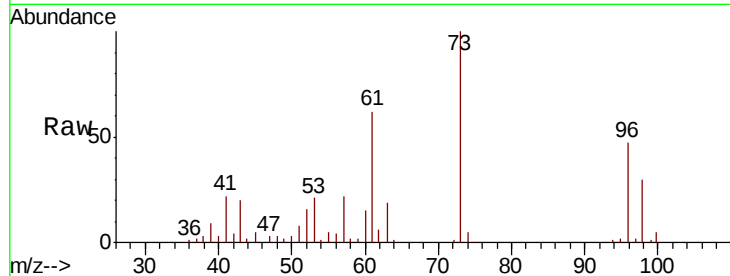
Tot Ion: 96 Resp: 65514

Ion Ratio Lower Upper

96 100

61 131.5 108.5 162.7

98 64.2 49.4 74.2



#20

Diisopropyl ether

Concen: 17.925 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion: 45 Resp: 199661

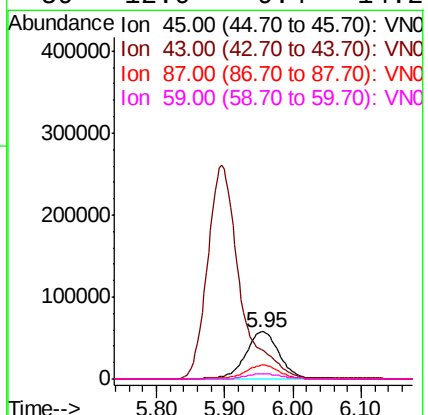
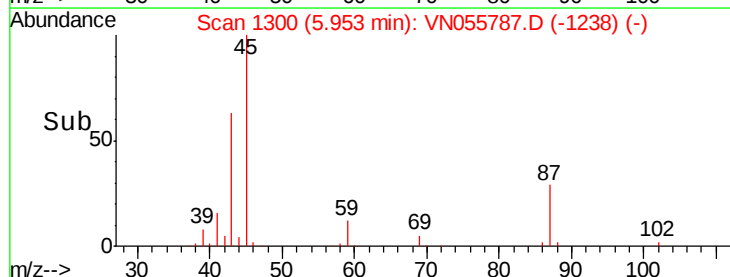
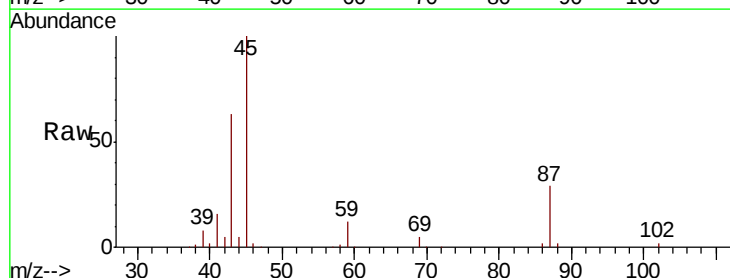
Ion Ratio Lower Upper

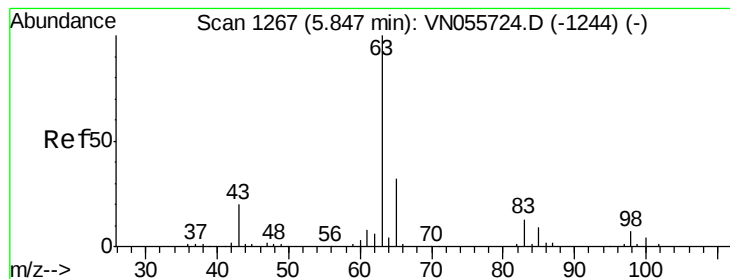
45 100

43 60.5 48.6 73.0

87 28.7 22.6 34.0

59 12.0 9.4 14.2





#21

1,1-Dichloroethane

Concen: 18.604 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

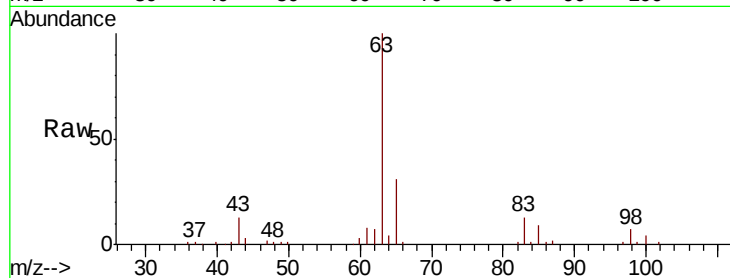
Tot Ion: 63 Resp: 117118

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

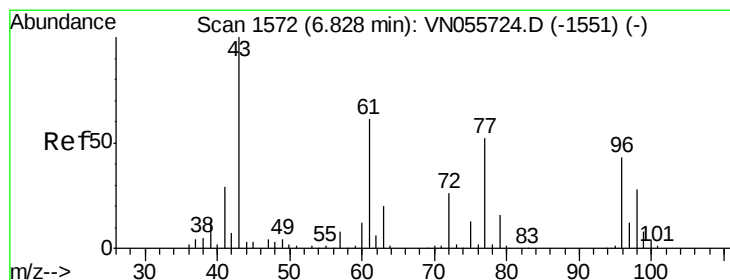
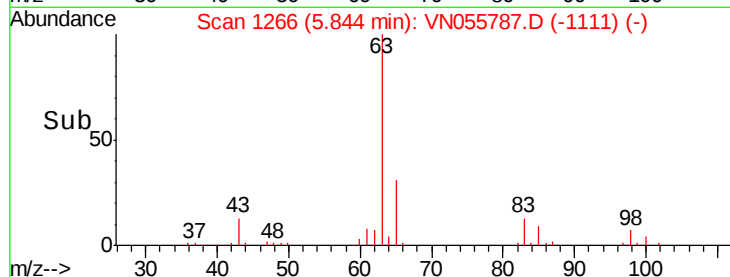
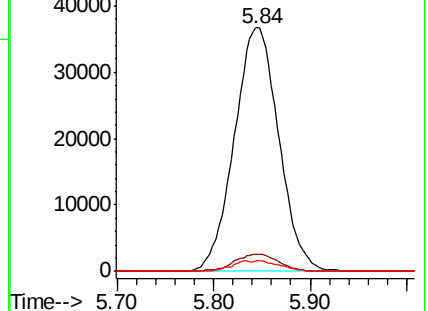
100 4.2 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.294 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

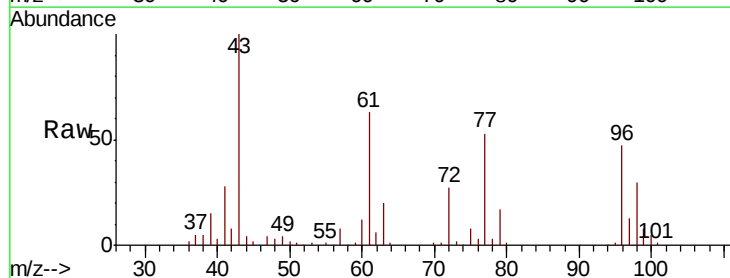
Tgt Ion: 96 Resp: 77173

Ion Ratio Lower Upper

96 100

61 134.8 115.7 173.5

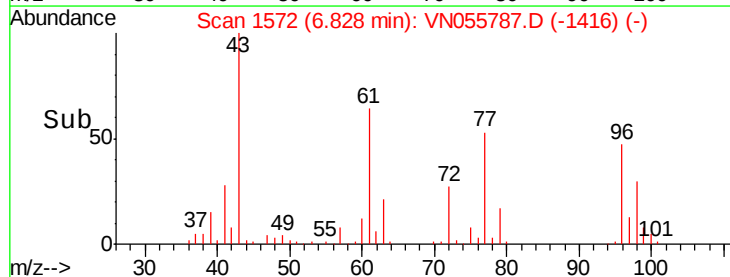
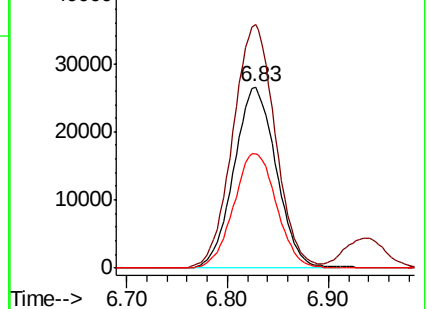
98 64.1 51.5 77.3

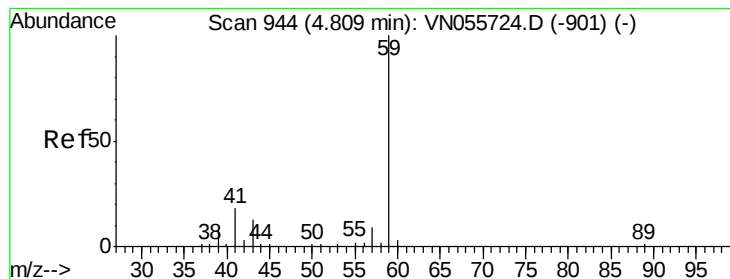


Abundance Ion 96.00 (95.70 to 96.70): VN055724.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN055724.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1551) (-)





#23

tert-Butyl Alcohol

Concen: 89.920 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

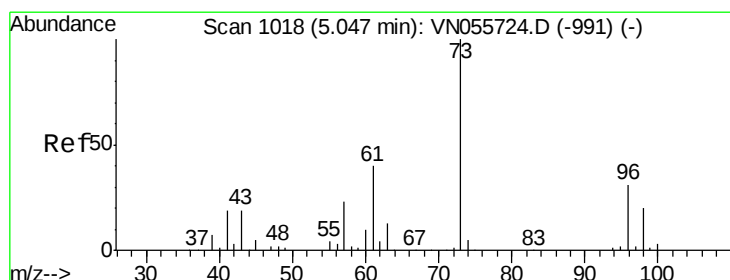
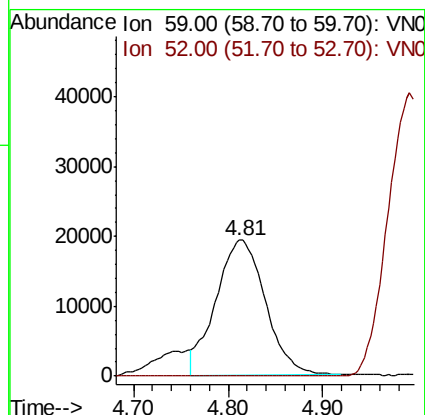
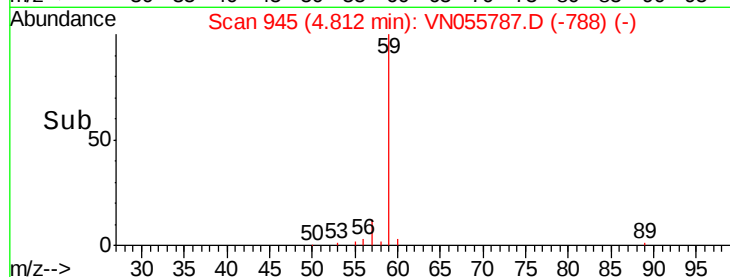
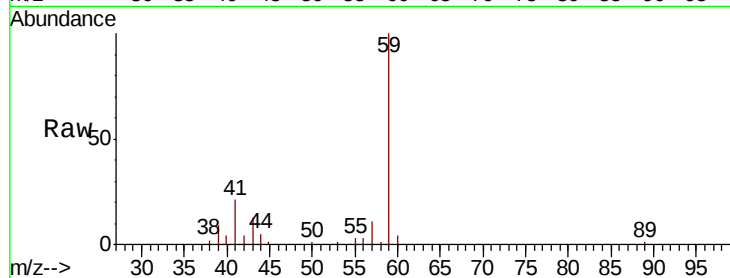
VN0524WBS01

Tot Ion: 59 Resp: 70201

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 18.783 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055787.D

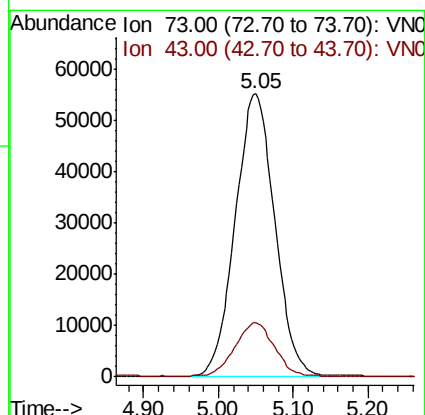
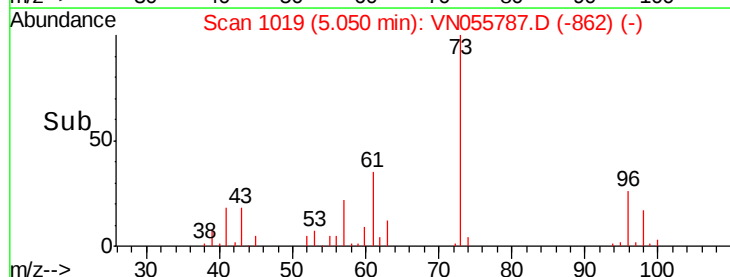
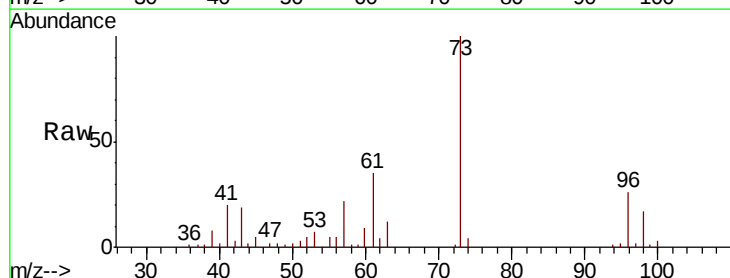
Acq: 24 May 2019 11:32

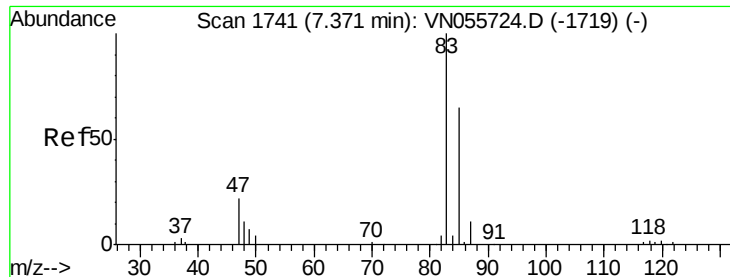
Tgt Ion: 73 Resp: 203187

Ion Ratio Lower Upper

73 100

43 19.5 15.7 23.5

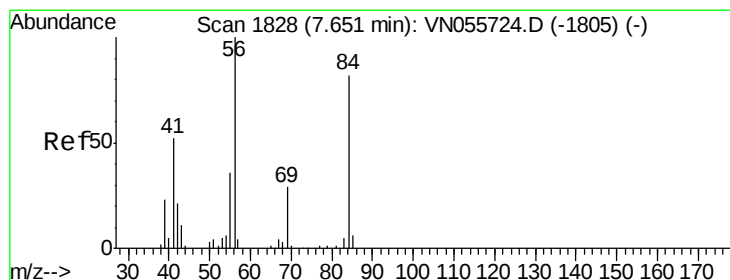
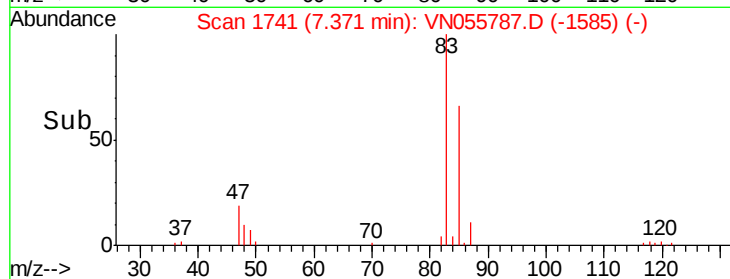
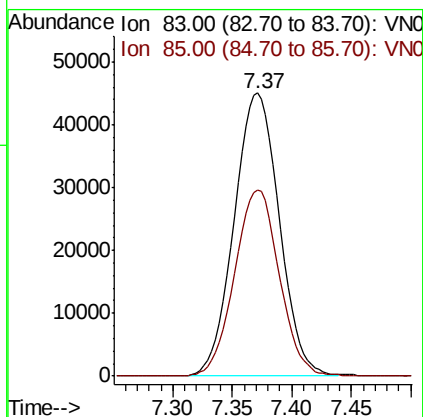
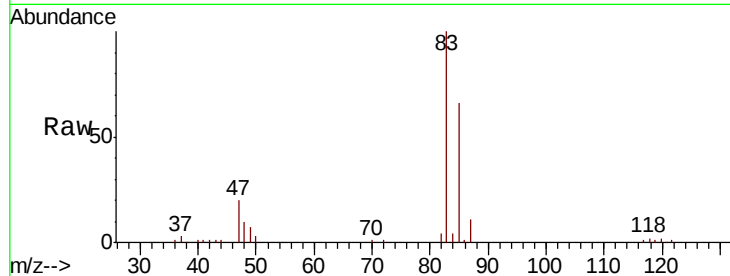




#25
Chloroform
Concen: 19.058 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

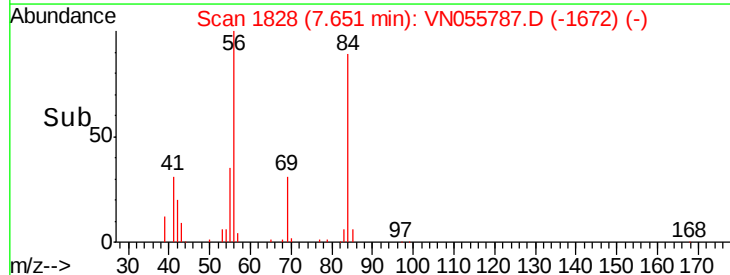
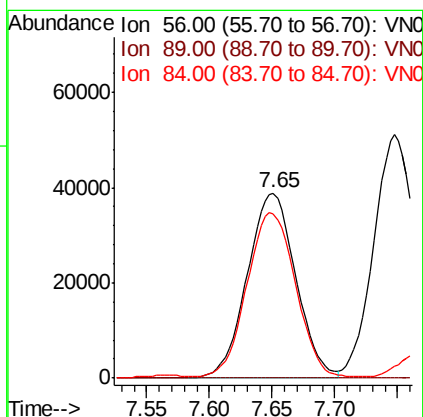
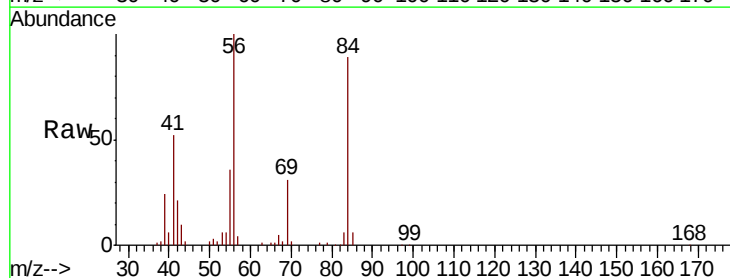
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

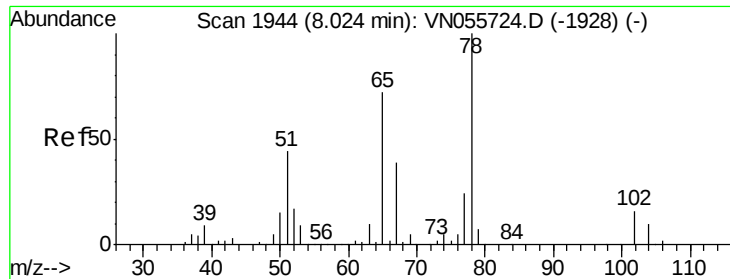
Tot Ion: 83 Resp: 118496
Ion Ratio Lower Upper
83 100
85 65.9 51.7 77.5



#26
Cyclohexane
Concen: 18.007 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 56 Resp: 104576
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 90.4 67.2 100.8





#27

1,2-Dichloroethane-d4

Concen: 28.658 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

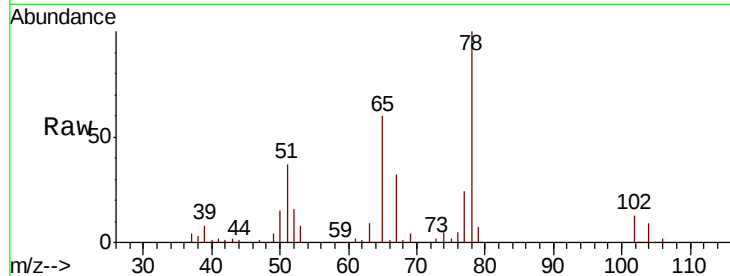
VN0524WBS01

Tot Ion: 65 Resp: 113140

Ion Ratio Lower Upper

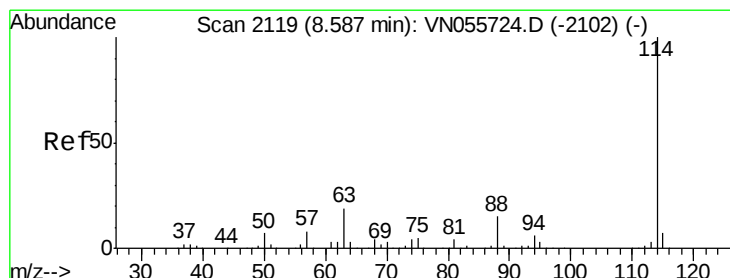
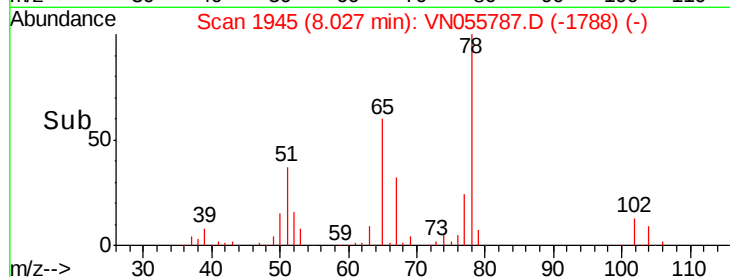
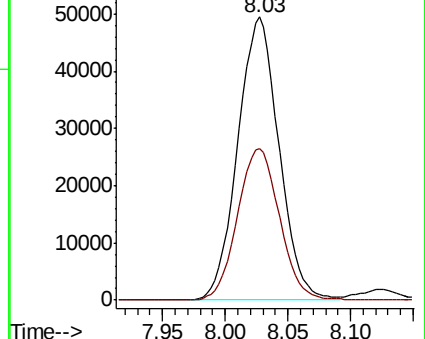
65 100

67 54.6 43.5 65.3



Abundance Ion 65.00 (64.70 to 65.70): VN055724.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN055724.D (-1928) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

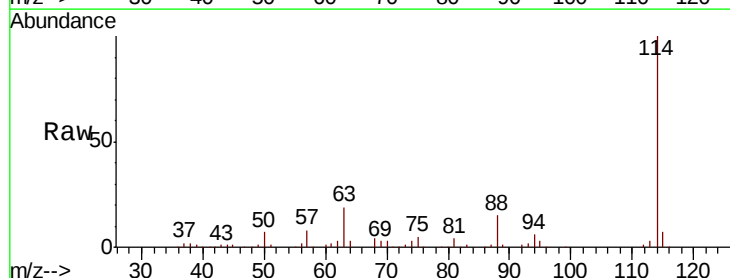
Tgt Ion: 114 Resp: 319541

Ion Ratio Lower Upper

114 100

63 18.5 15.6 23.4

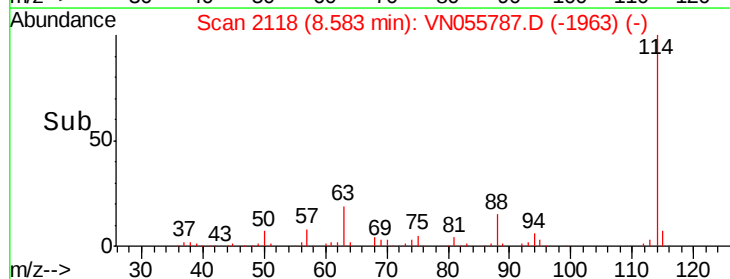
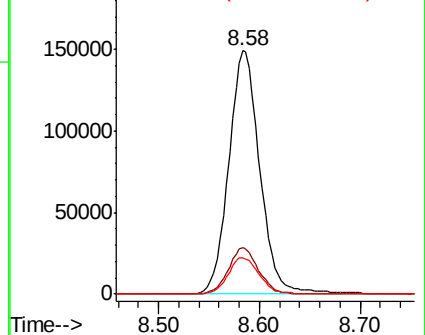
88 15.2 12.3 18.5

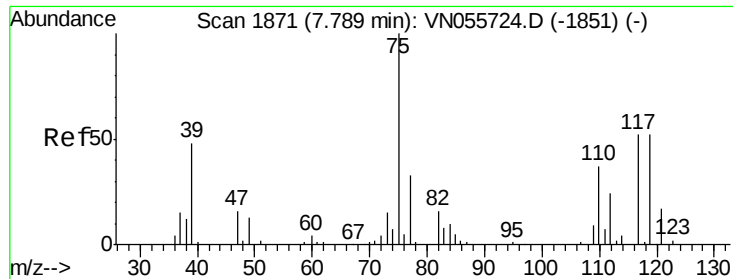


Abundance Ion 114.00 (113.70 to 114.70): VN055724.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN055724.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN055724.D (-2102) (-)

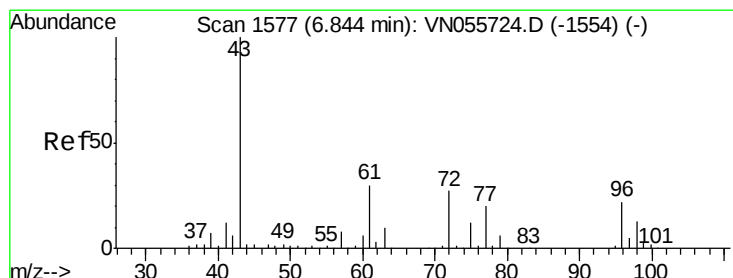
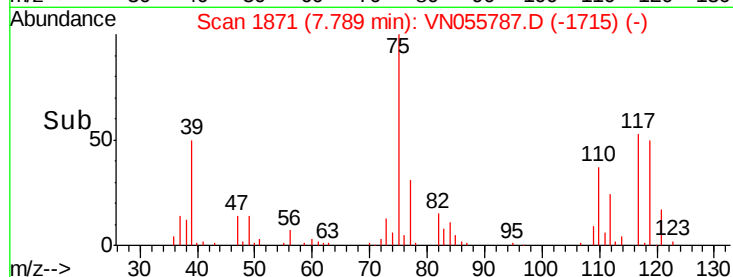
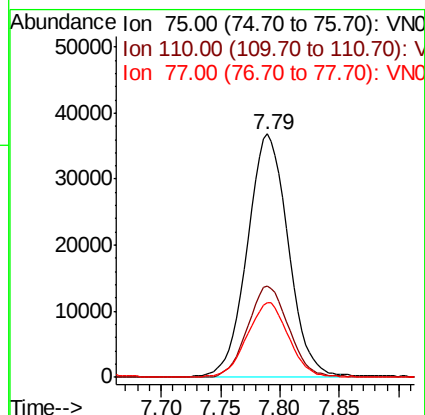
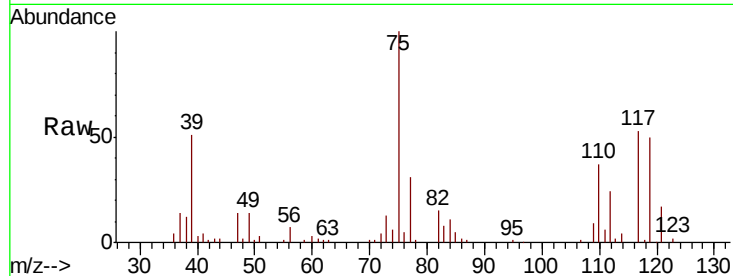




#29
 1,1-Dichloropropene
 Concen: 19.671 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

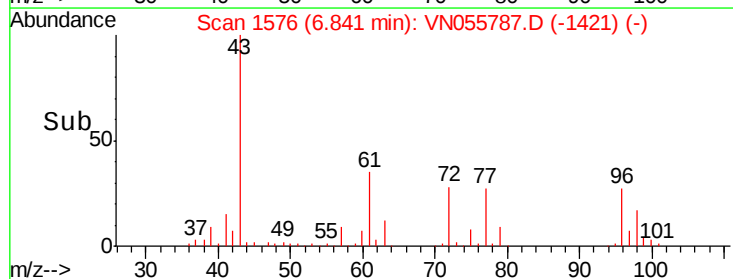
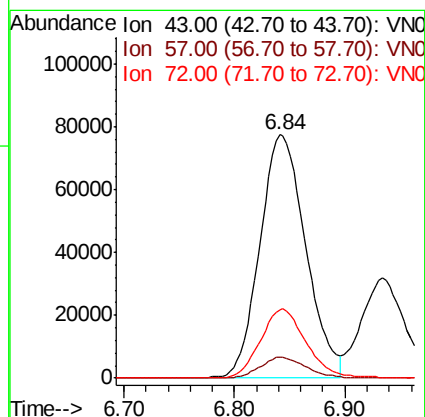
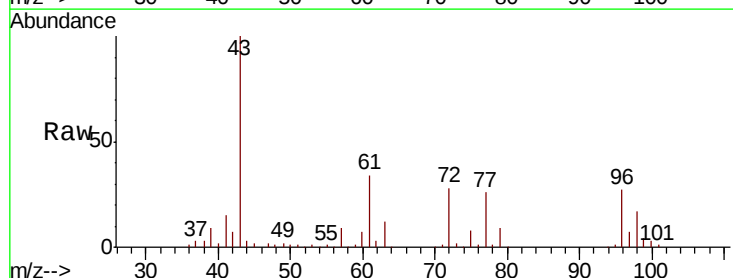
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

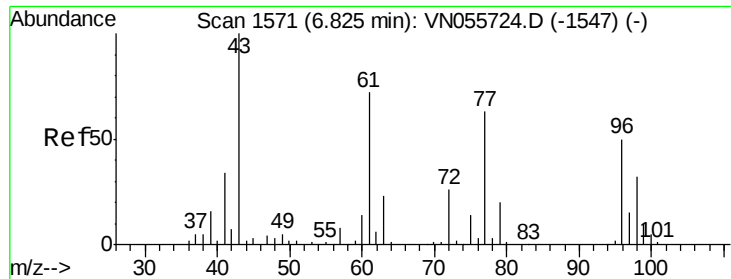
Tot Ion: 75 Resp: 87995
 Ion Ratio Lower Upper
 75 100
 110 37.5 0.0 74.8
 77 31.1 0.0 65.2



#30
 2-Butanone
 Concen: 93.937 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion: 43 Resp: 223971
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.6 10.0
 72 28.4 21.7 32.5

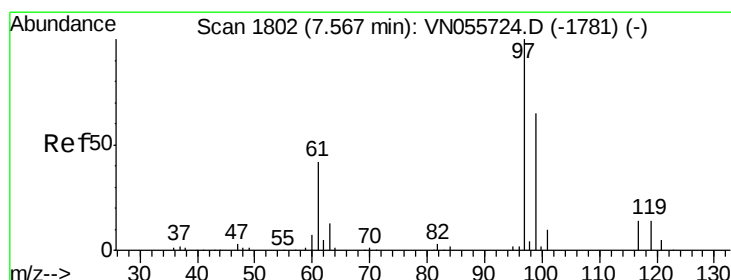
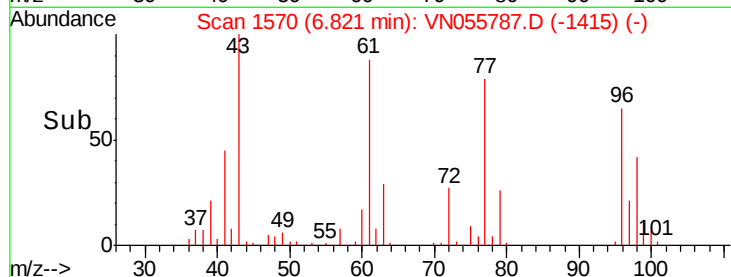
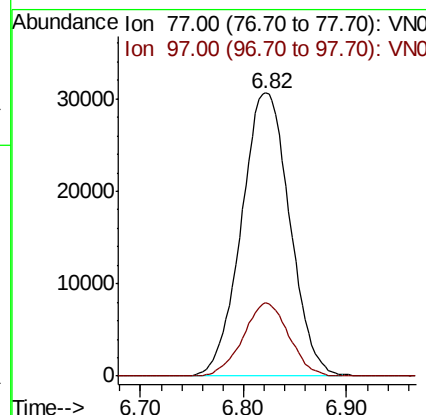
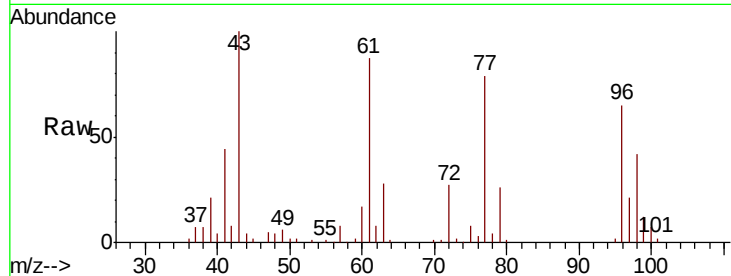




#31
 2,2-Dichloropropane
 Concen: 19.158 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

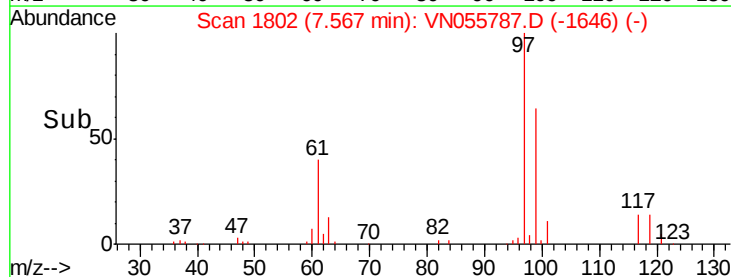
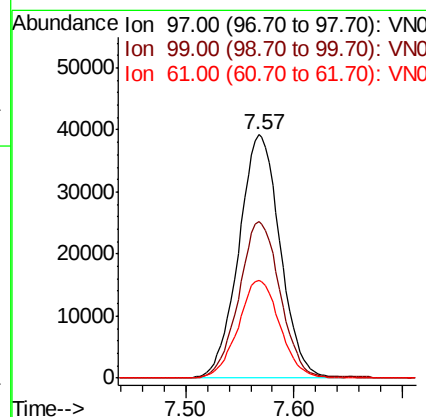
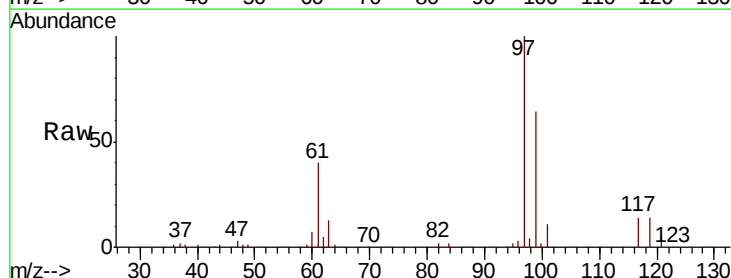
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

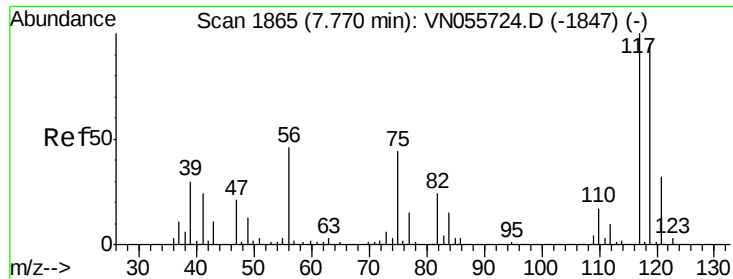
Tot Ion: 77 Resp: 99726
 Ion Ratio Lower Upper
 77 100
 97 24.5 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 19.732 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion: 97 Resp: 104619
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.7 77.5
 61 40.3 33.1 49.7

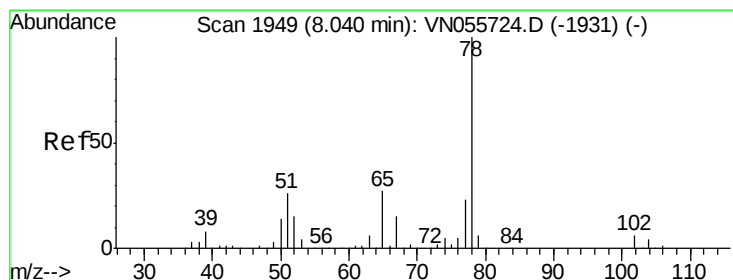
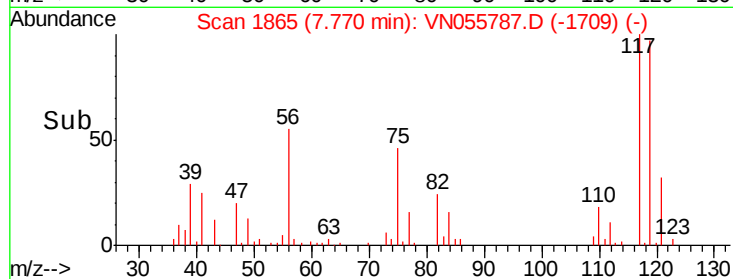
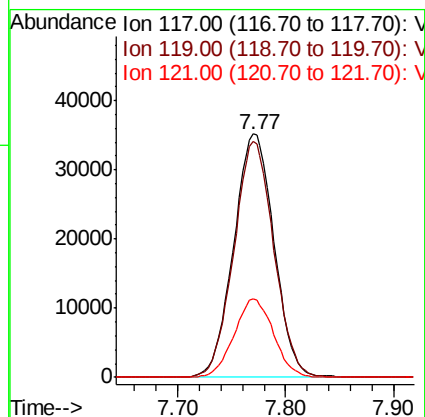
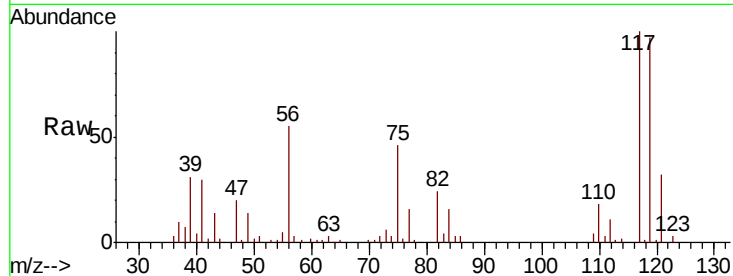




#33
Carbon Tetrachloride
Concen: 19.318 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

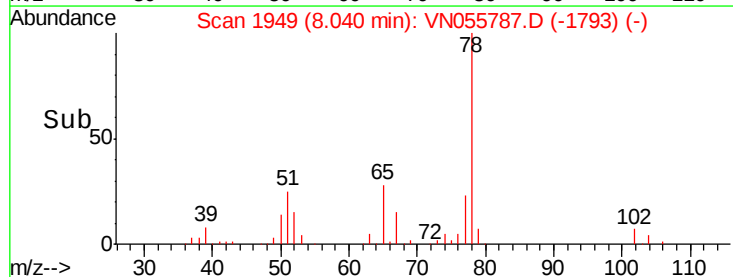
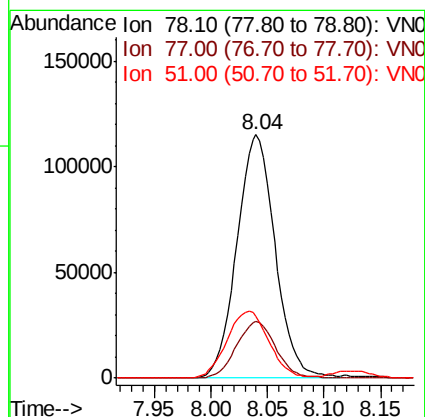
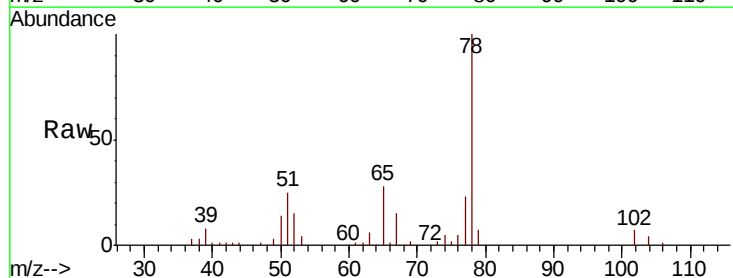
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

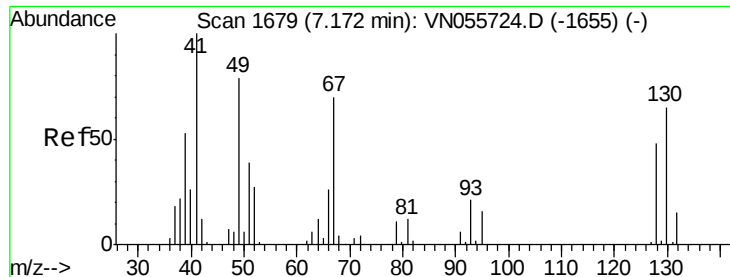
Tot Ion:117 Resp: 91625
Ion Ratio Lower Upper
117 100
119 97.2 75.8 113.8
121 32.5 25.4 38.0



#34
Benzene
Concen: 19.659 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 78 Resp: 271502
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2
51 25.0 20.6 31.0

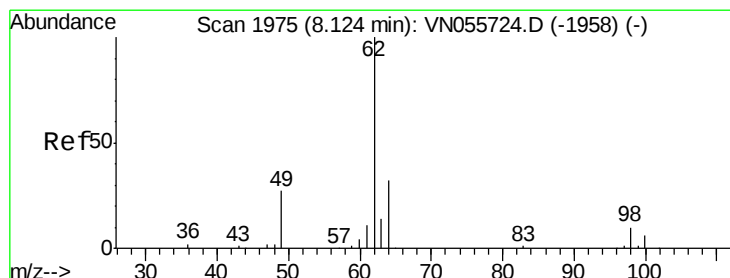
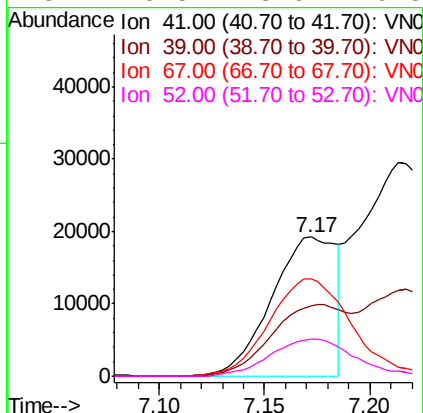
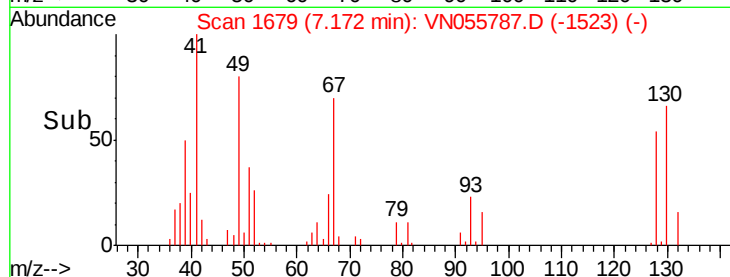
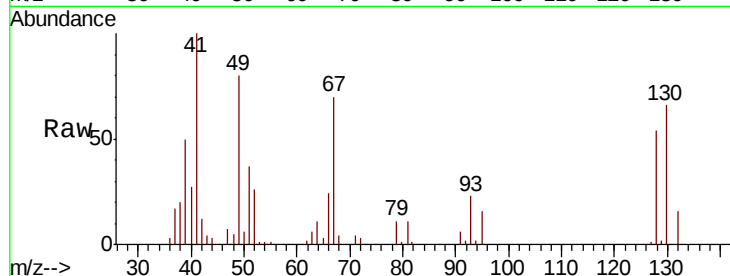




#35
Methacrylonitrile
Concen: 18.622 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

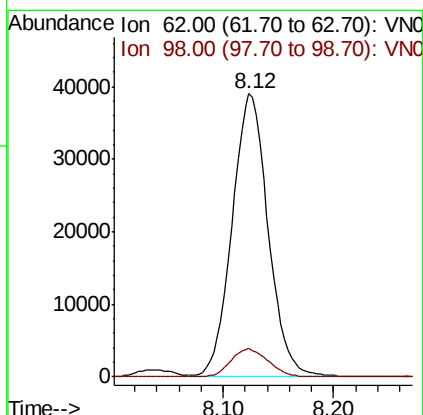
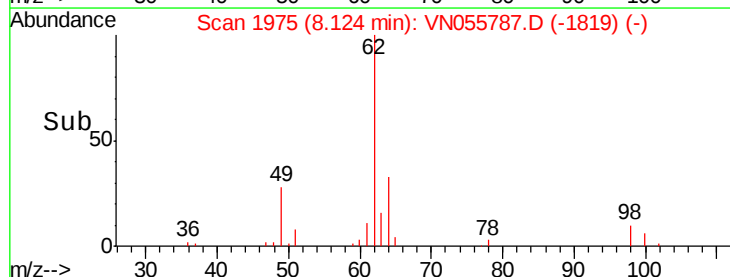
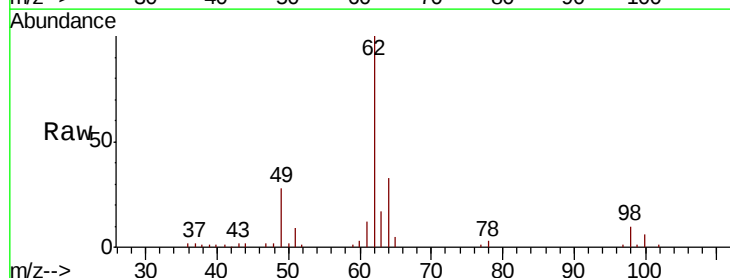
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

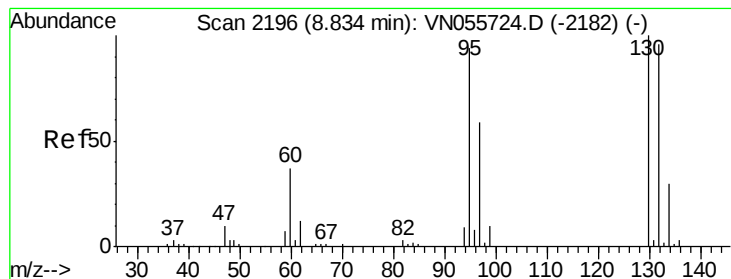
Tot Ion: 41 Resp: 40982
Ion Ratio Lower Upper
41 100
39 50.4 26.7 80.1
67 69.8 34.9 104.7
52 26.5 13.6 40.8



#36
1,2-Dichloroethane
Concen: 19.629 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 62 Resp: 88589
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.2





#37

Trichloroethene

Concen: 20.055 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

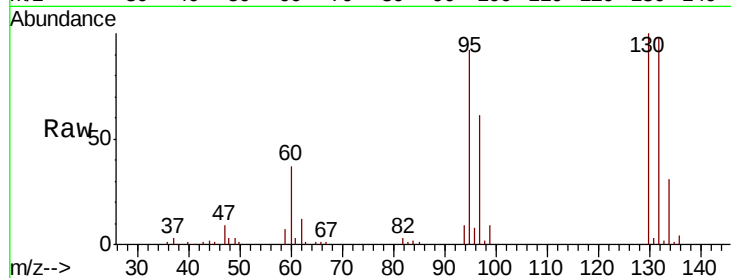
VN0524WBS01

Tot Ion:130 Resp: 77276

Ion Ratio Lower Upper

130 100

95 92.0 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

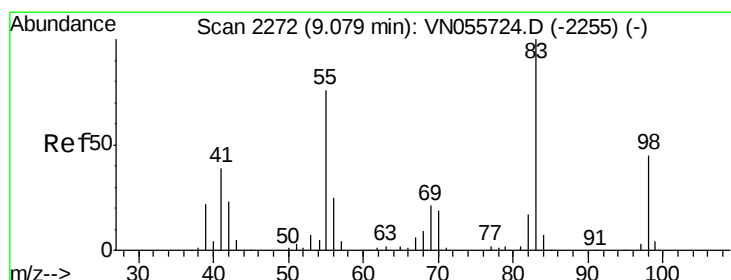
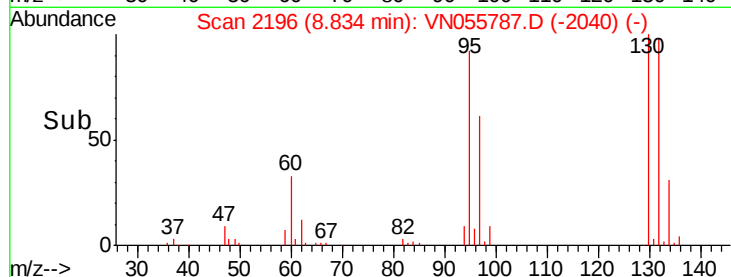
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 19.123 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

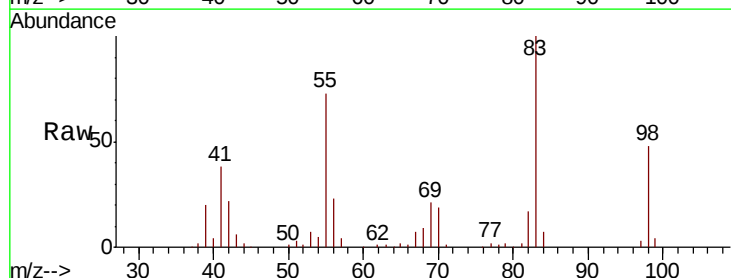
Tgt Ion: 83 Resp: 108382

Ion Ratio Lower Upper

83 100

55 73.2 37.8 113.4

98 46.9 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

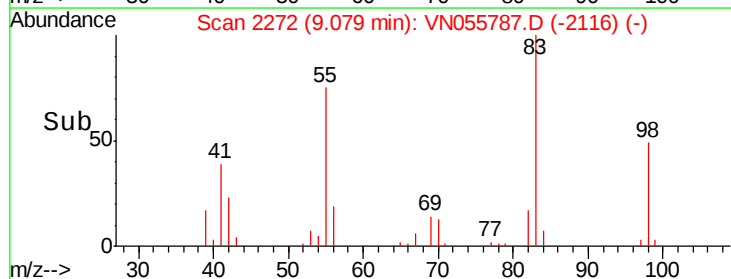
40000

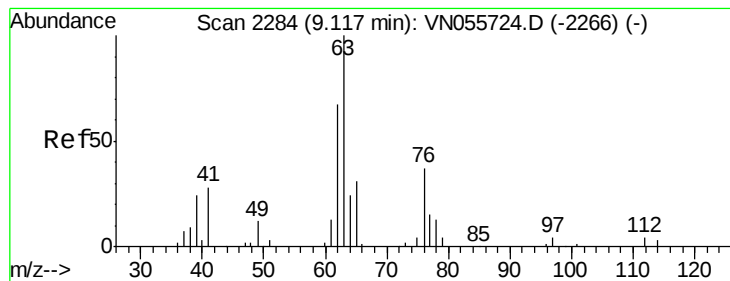
20000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 19.127 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

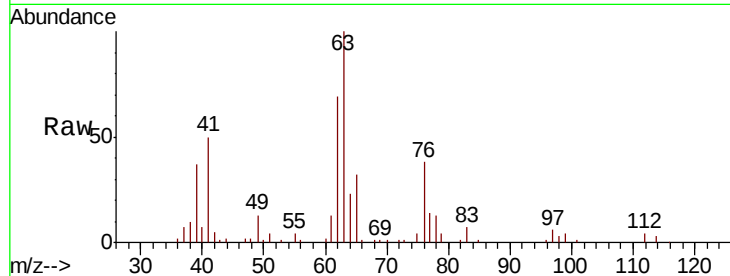
VN0524WBS01

Tot Ion: 63 Resp: 71012

Ion Ratio Lower Upper

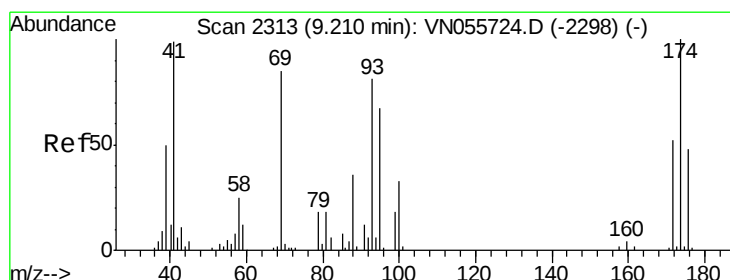
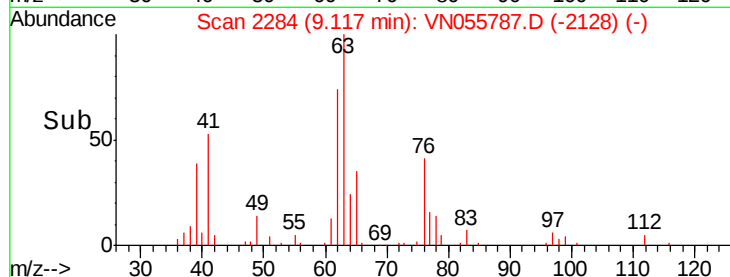
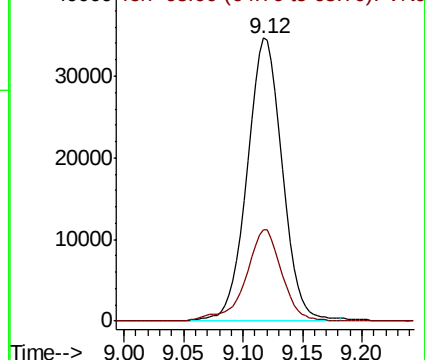
63 100

65 32.4 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.858 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

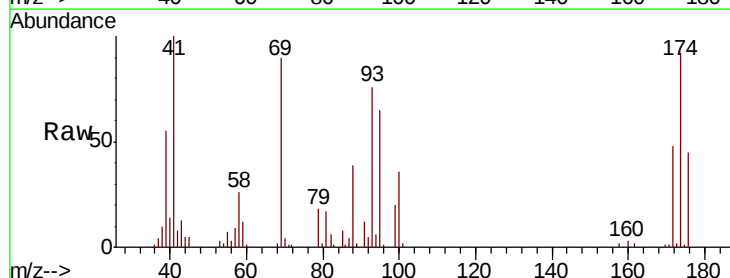
Tgt Ion: 93 Resp: 47607

Ion Ratio Lower Upper

93 100

95 84.2 0.0 170.6

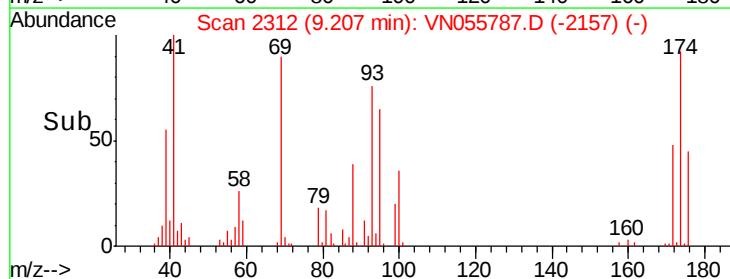
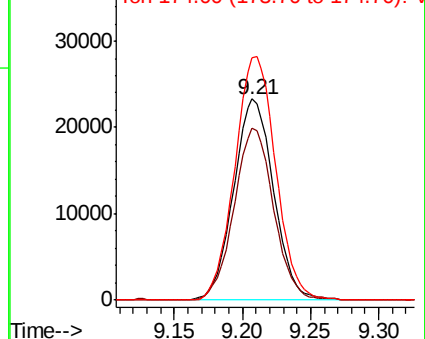
174 123.6 0.0 248.4

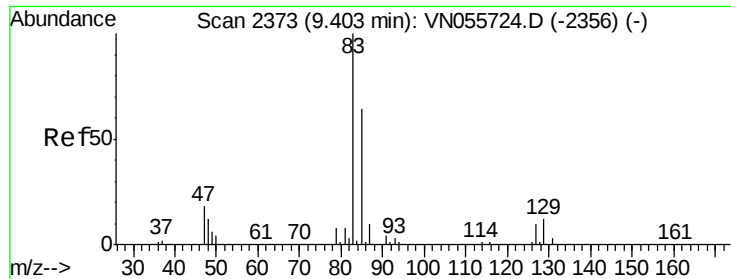


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.815 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

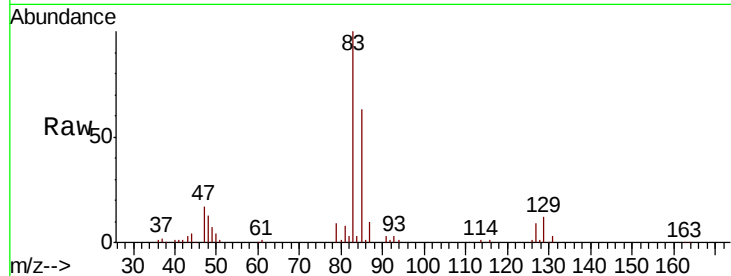
Tot Ion: 83 Resp: 92448

Ion Ratio Lower Upper

83 100

85 63.3 51.4 77.0

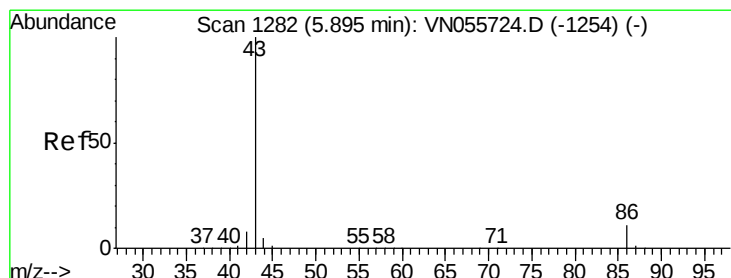
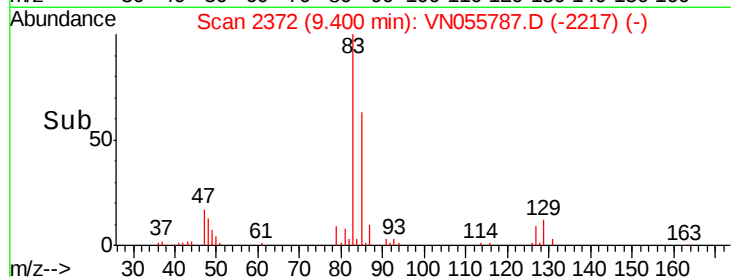
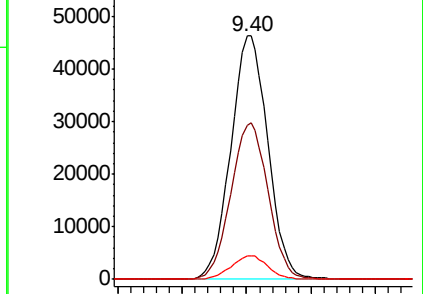
127 9.4 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN055724.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN055724.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN055724.D (-2356) (-)



#42

Vinyl Acetate

Concen: 93.054 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055787.D

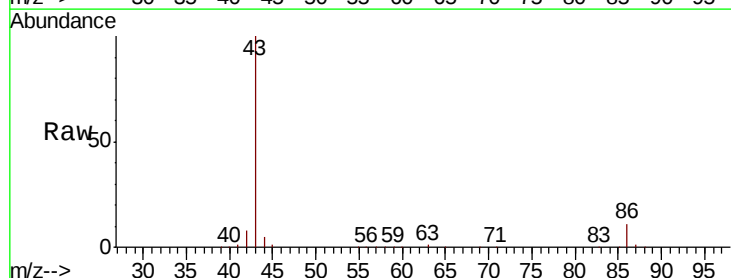
Acq: 24 May 2019 11:32

Tgt Ion: 43 Resp: 861405

Ion Ratio Lower Upper

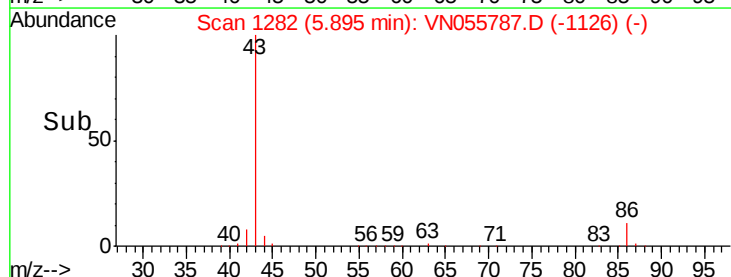
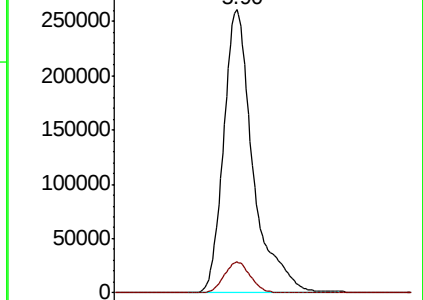
43 100

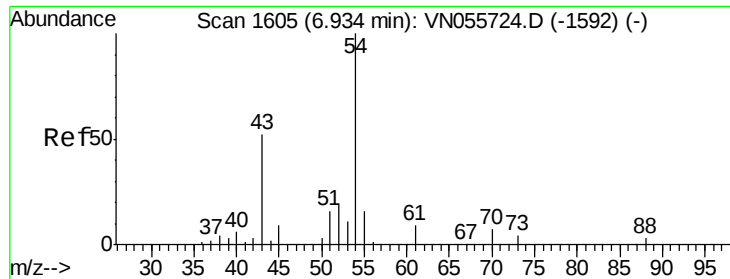
86 9.8 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN055724.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055724.D (-1254) (-)





#43

Ethyl Acetate

Concen: 18.437 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

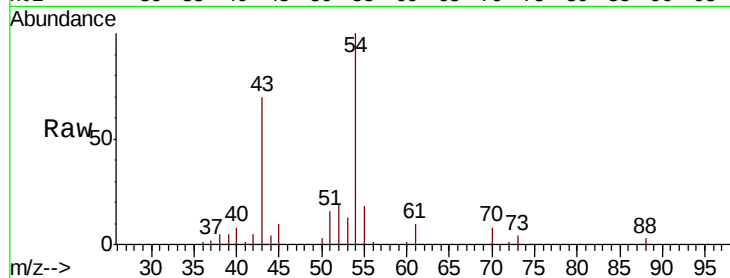
VN0524WBS01

Tot Ion: 43 Resp: 86408

Ion Ratio Lower Upper

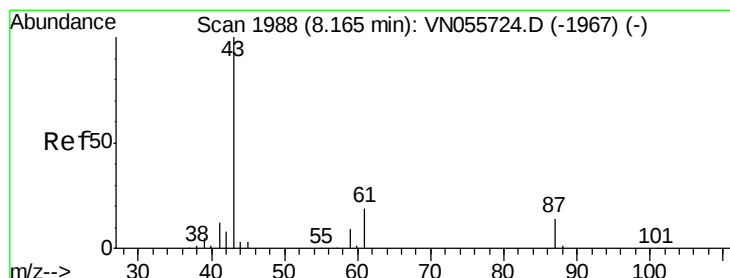
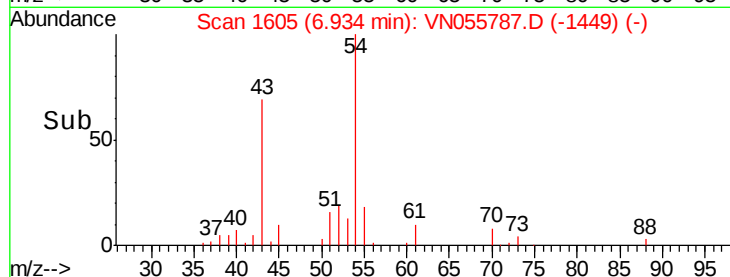
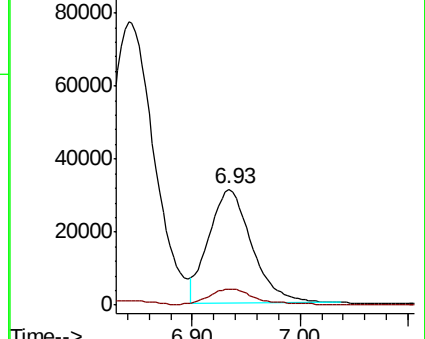
43 100

45 15.8 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.246 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055787.D

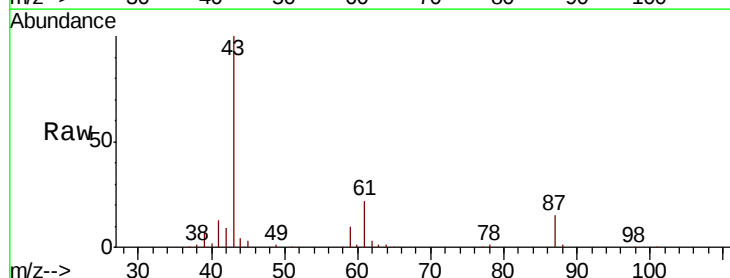
Acq: 24 May 2019 11:32

Tgt Ion: 43 Resp: 141599

Ion Ratio Lower Upper

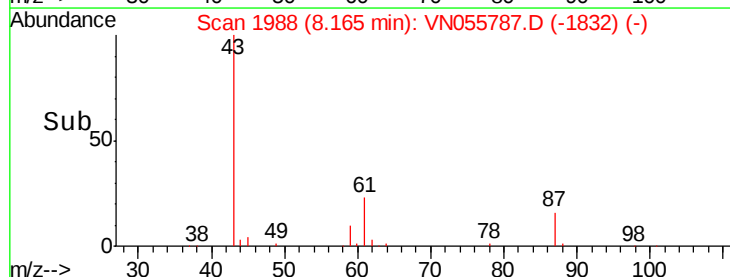
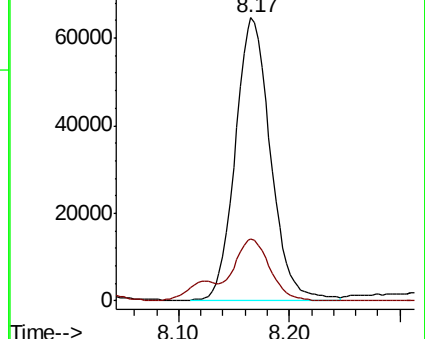
43 100

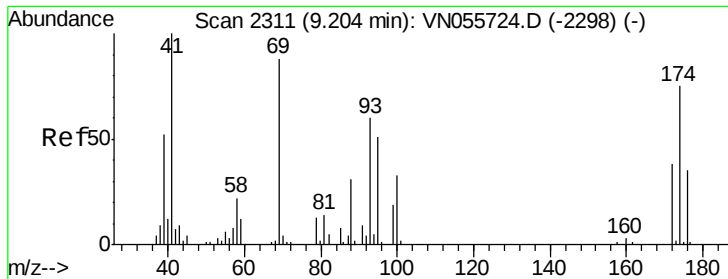
61 21.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 412.833 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

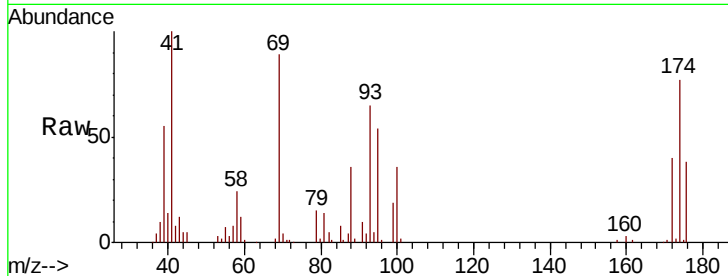
Tot Ion: 88 Resp: 30141

Ion Ratio Lower Upper

88 100

43 25.9 20.5 30.7

58 66.7 56.1 84.1

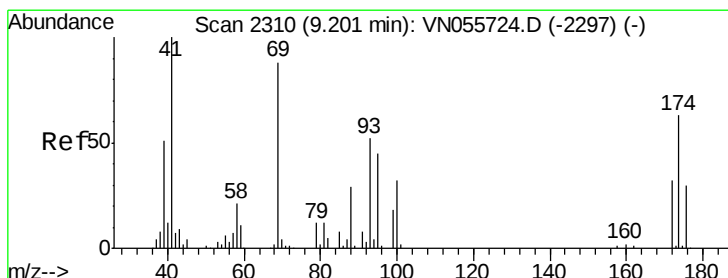
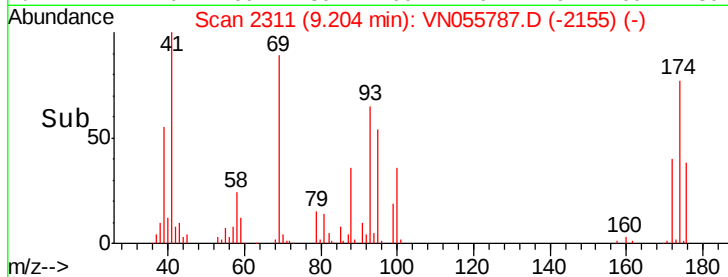
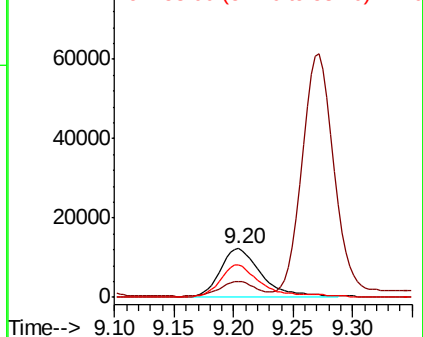


Abundance

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



#46

Methyl methacrylate

Concen: 18.005 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

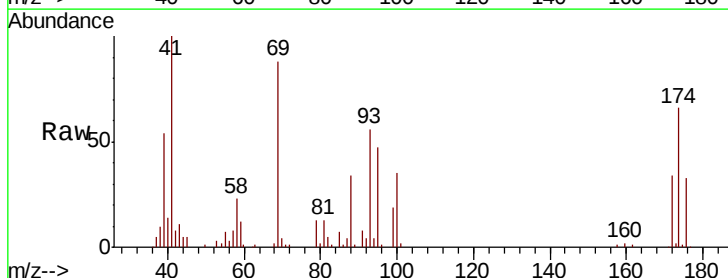
Tgt Ion: 41 Resp: 65192

Ion Ratio Lower Upper

41 100

69 89.4 43.8 131.4

39 53.5 25.6 76.6

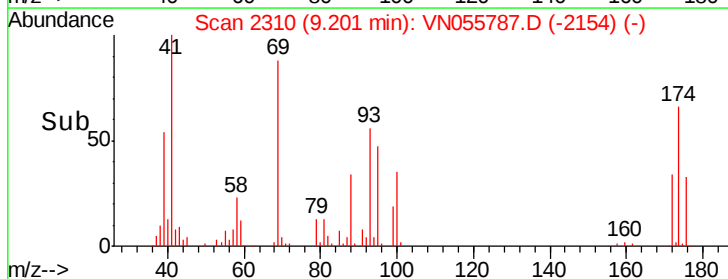
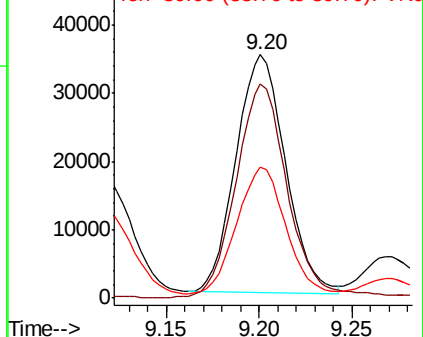


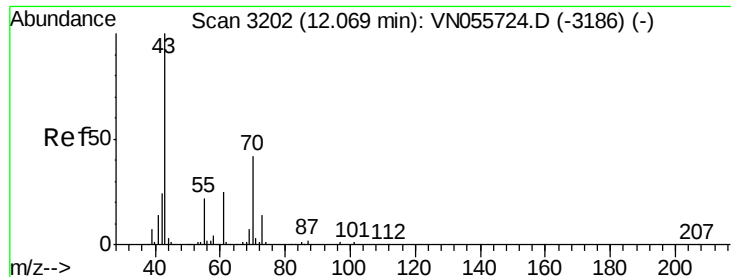
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 17.592 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

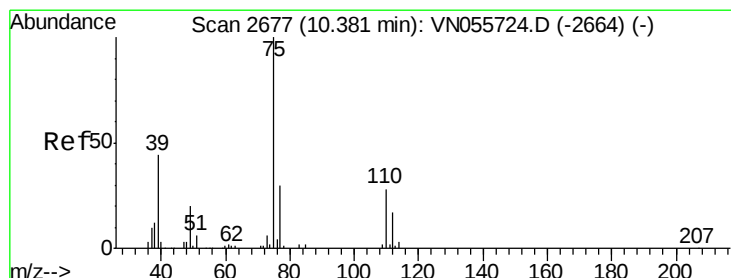
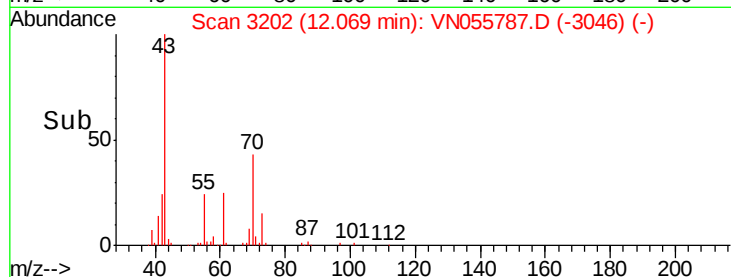
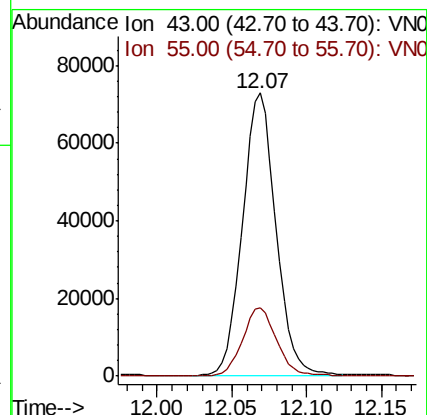
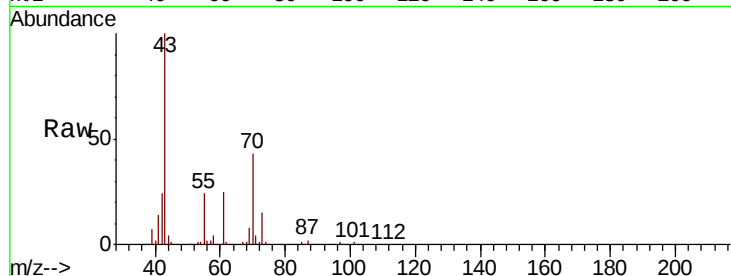
VN0524WBS01

Tot Ion: 43 Resp: 112924

Ion Ratio Lower Upper

43 100

55 24.9 17.8 26.6



#48

t-1,3-Dichloropropene

Concen: 17.919 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055787.D

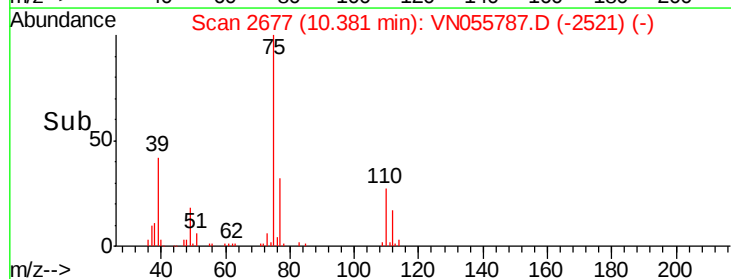
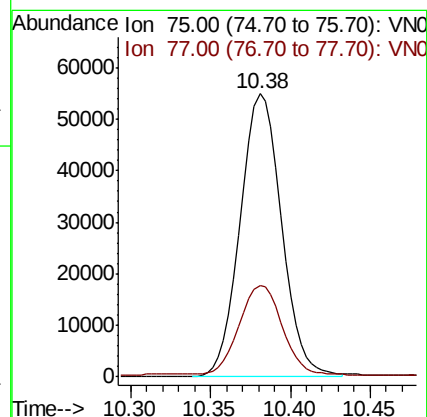
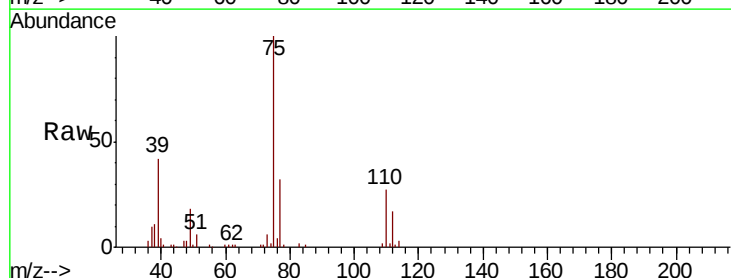
Acq: 24 May 2019 11:32

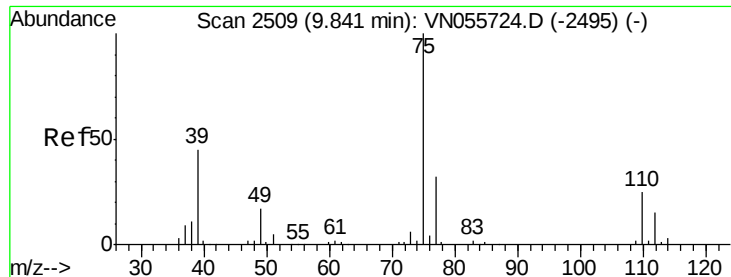
Tgt Ion: 75 Resp: 97189

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8



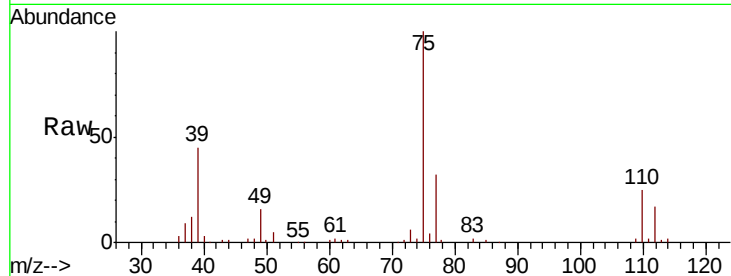


#49

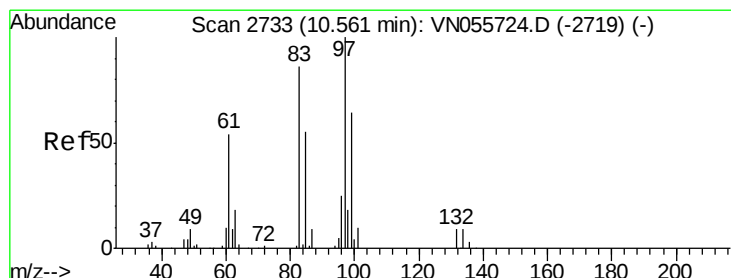
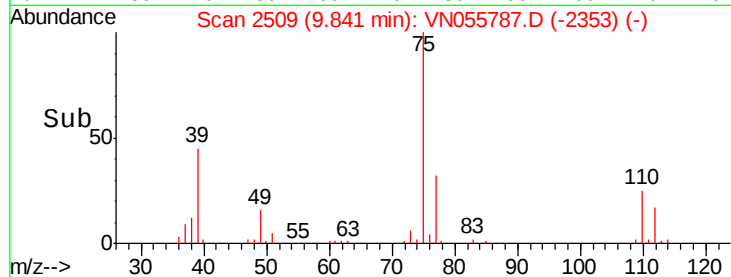
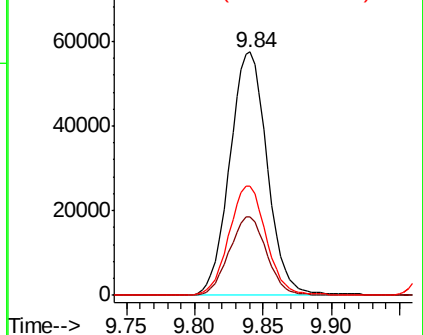
cis-1,3-Dichloropropene
Concen: 18.484 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion: 75 Resp: 109732
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
39 44.7 36.2 54.4



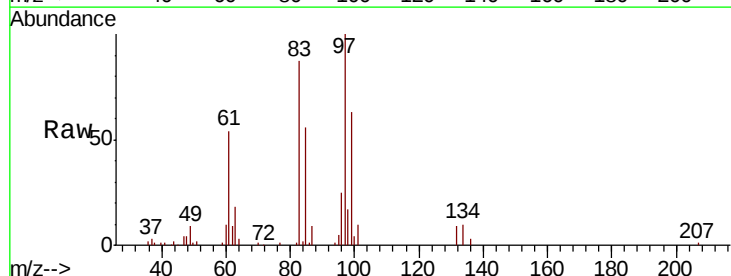
Abundance Ion 75.00 (74.70 to 75.70): VNC
Ion 77.00 (76.70 to 77.70): VNC
Ion 39.00 (38.70 to 39.70): VNC



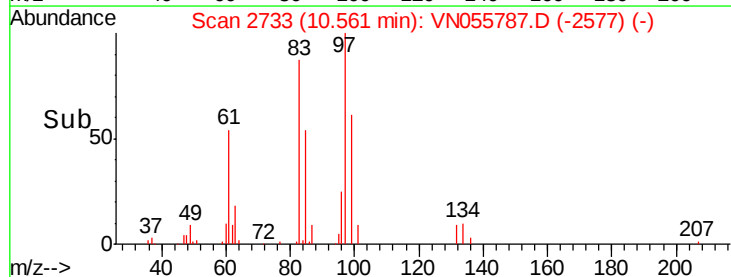
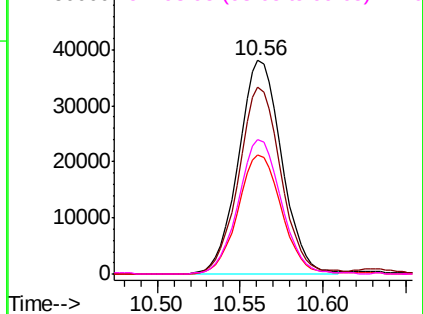
#50

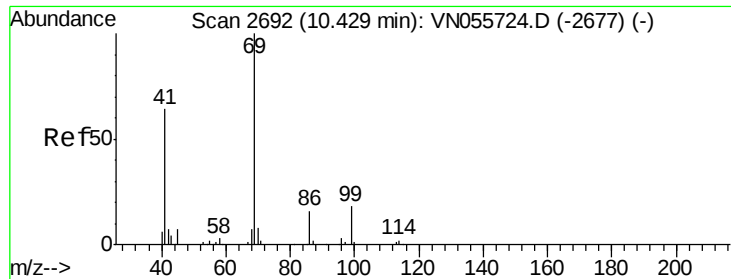
1,1,2-Trichloroethane
Concen: 19.756 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 97 Resp: 68952
Ion Ratio Lower Upper
97 100
83 87.4 68.9 103.3
85 55.5 44.3 66.5
99 63.0 51.4 77.0



Abundance Ion 97.00 (96.70 to 97.70): VNC
Ion 82.95 (82.65 to 83.65): VNC
Ion 84.95 (84.65 to 85.65): VNC
Ion 98.95 (98.65 to 99.65): VNC





#51

Ethyl methacrylate

Concen: 18.916 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS01

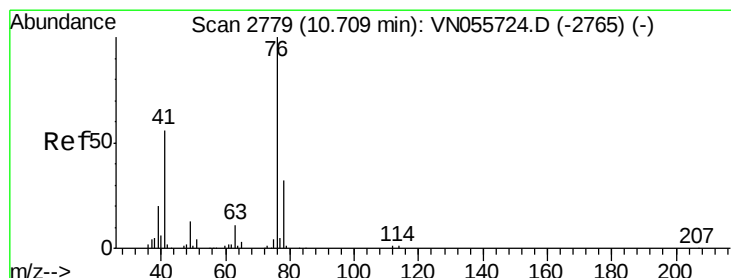
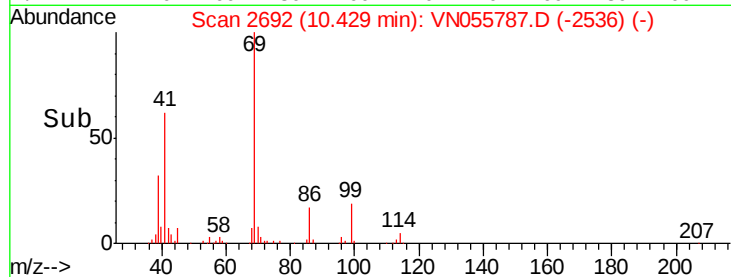
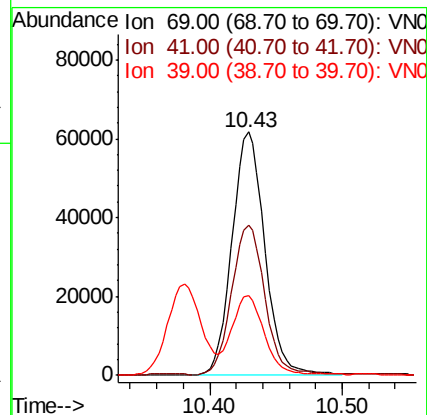
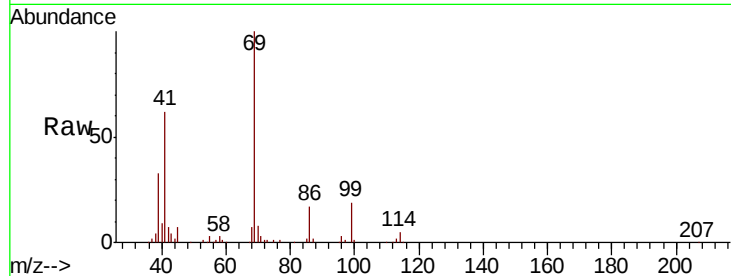
Tot Ion: 69 Resp: 106410

Ion Ratio Lower Upper

69 100

41 61.5 31.9 95.7

39 32.1 15.7 47.0



#52

1,3-Dichloropropane

Concen: 19.208 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055787.D

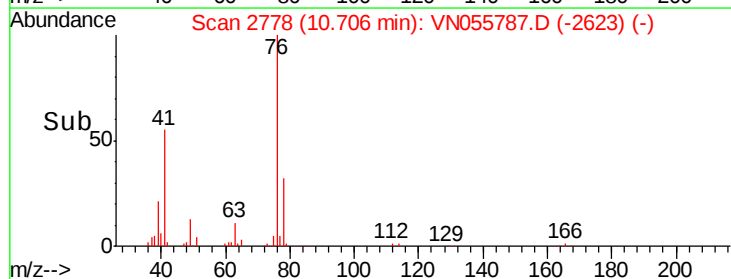
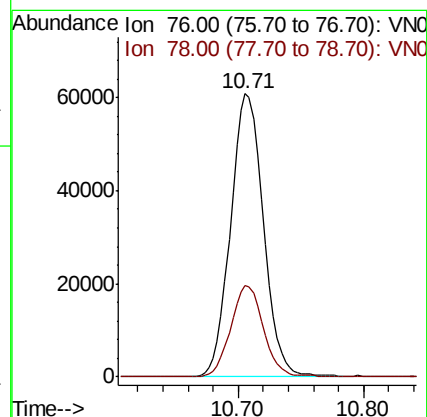
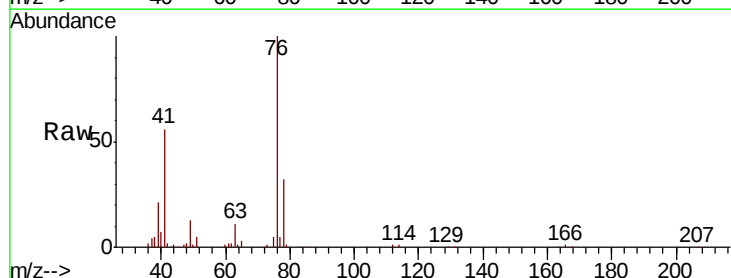
Acq: 24 May 2019 11:32

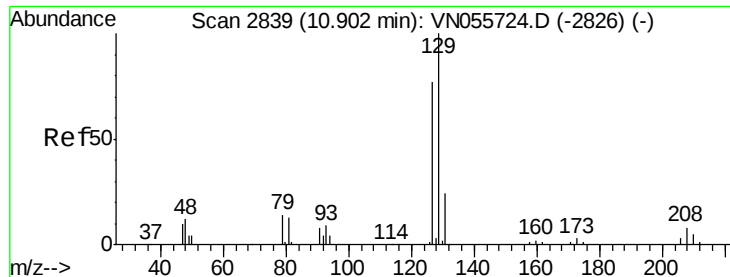
Tgt Ion: 76 Resp: 110498

Ion Ratio Lower Upper

76 100

78 32.2 0.0 65.0





#53

Dibromochloromethane

Concen: 19.052 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

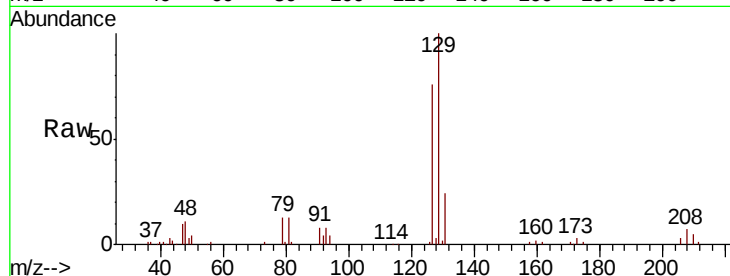
VN0524WBS01

Tot Ion:129 Resp: 78550

Ion Ratio Lower Upper

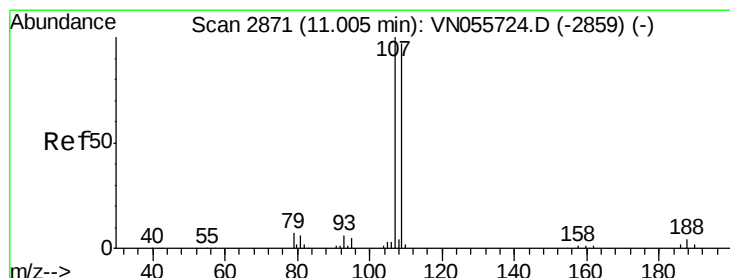
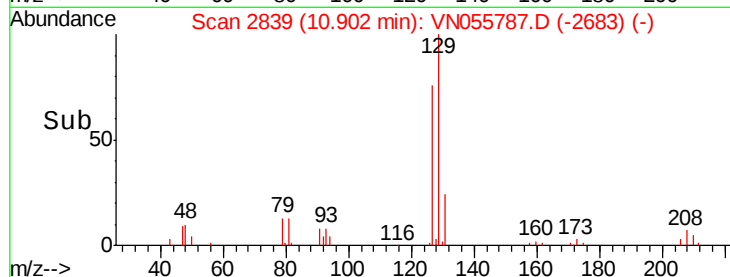
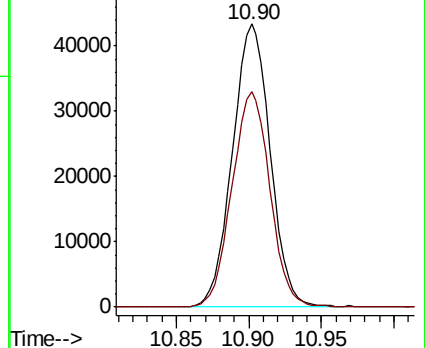
129 100

127 76.3 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.668 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055787.D

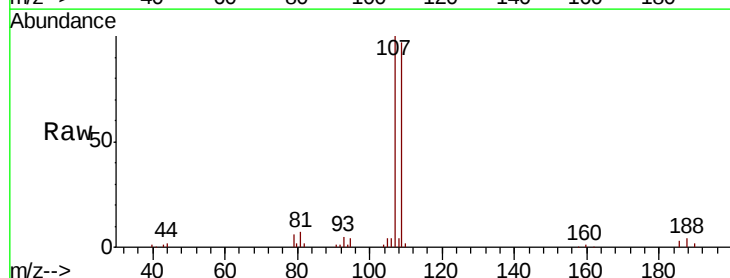
Acq: 24 May 2019 11:32

Tgt Ion:107 Resp: 71031

Ion Ratio Lower Upper

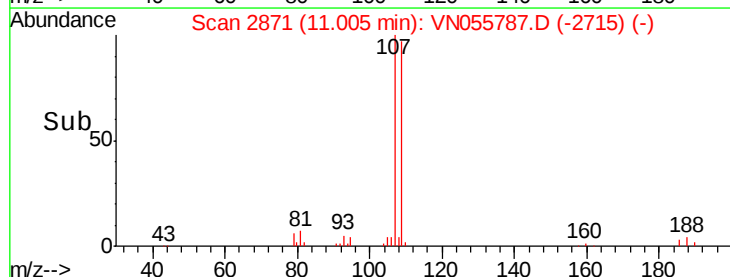
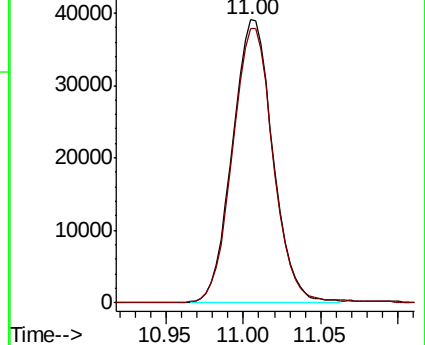
107 100

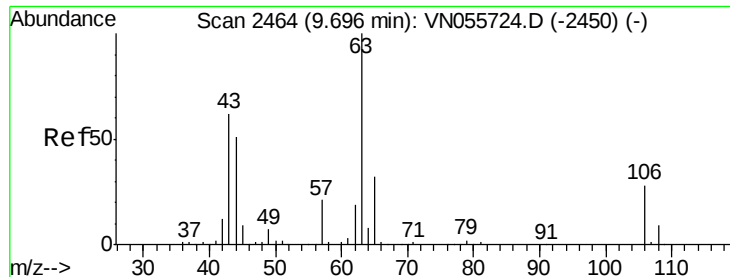
109 97.5 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 87.191 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS01

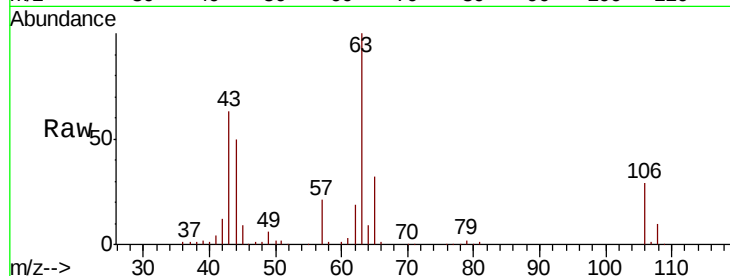
Tot Ion: 63 Resp: 190843

Ion Ratio Lower Upper

63 100

65 32.4 25.4 38.0

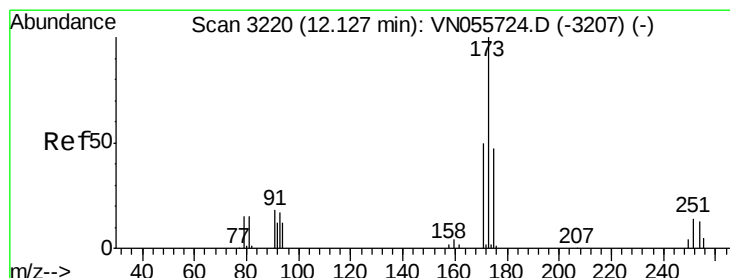
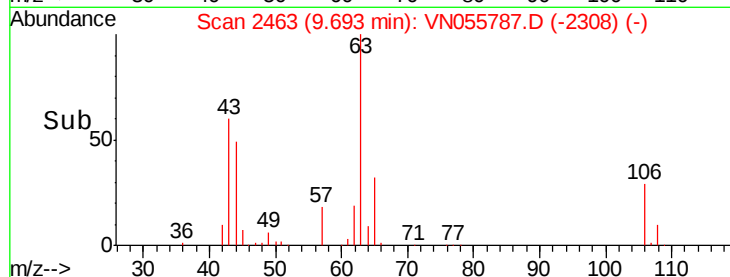
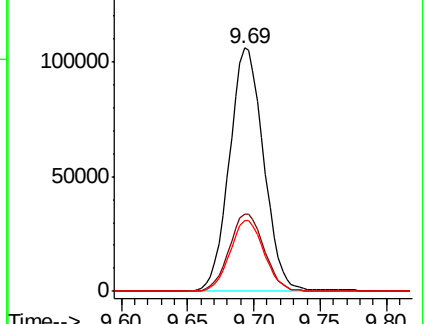
106 29.0 22.1 33.1



Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN055724.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN055724.D (-2450) (-)



#56

Bromoform

Concen: 17.865 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

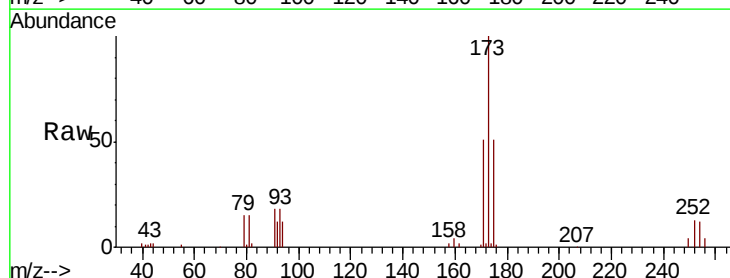
Tgt Ion: 173 Resp: 60419

Ion Ratio Lower Upper

173 100

175 49.2 38.5 57.7

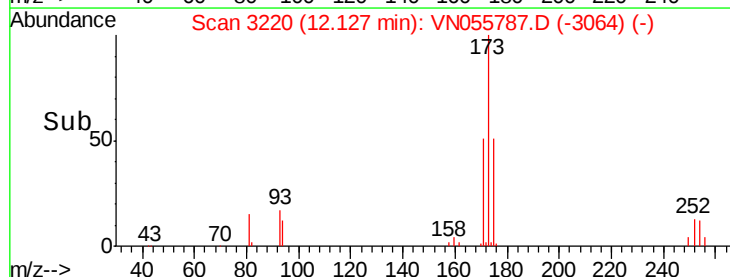
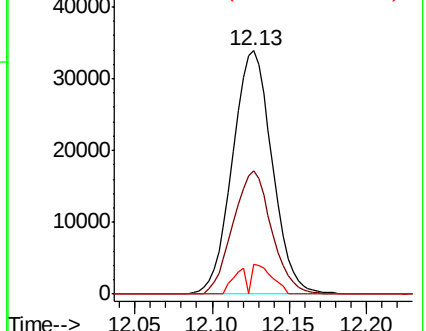
254 6.3 9.4 14.0#

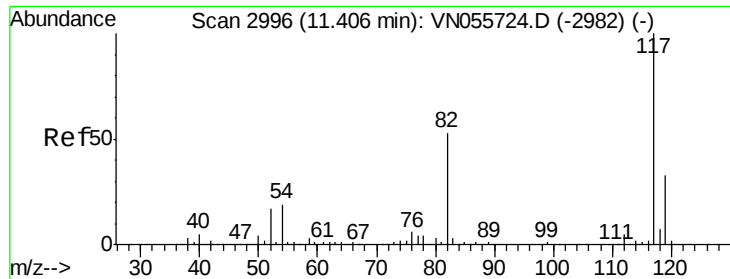


Abundance Ion 173.00 (172.70 to 173.70): VN055724.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN055724.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN055724.D (-3207) (-)

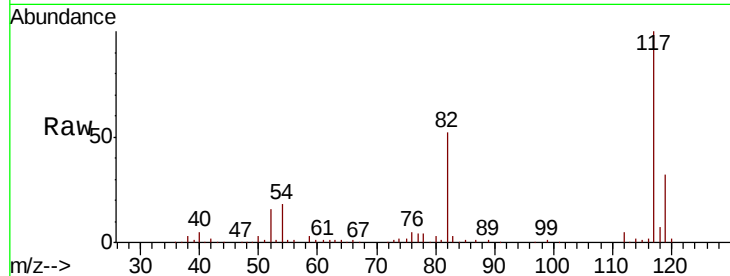




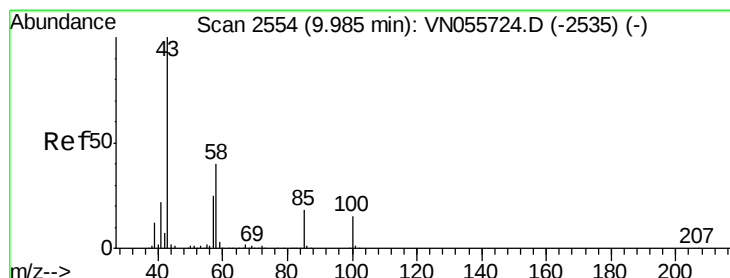
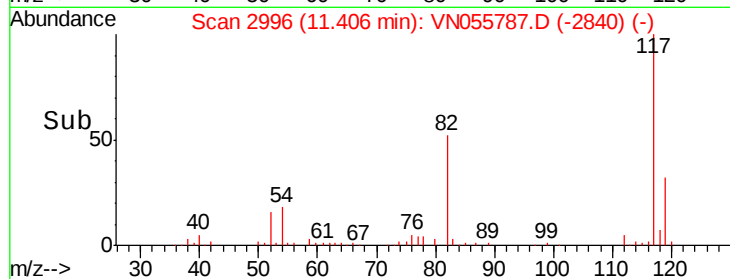
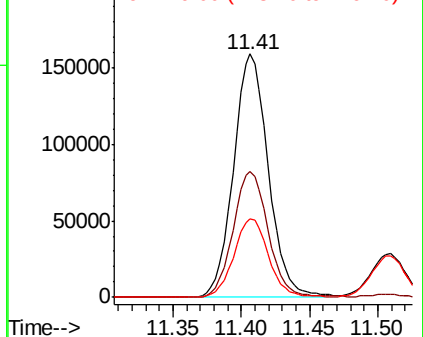
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0524WBS01

Tot Ion:117 Resp: 282149
 Ion Ratio Lower Upper
 117 100
 82 52.2 42.6 64.0
 119 32.1 25.9 38.9

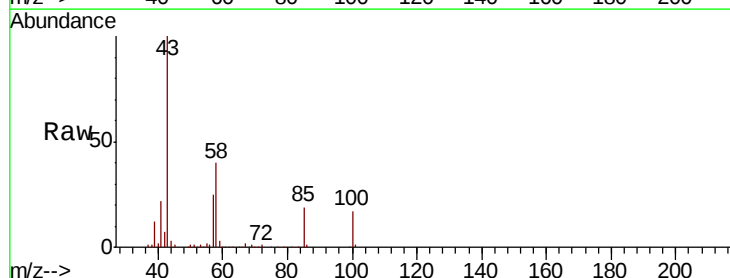


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VN
 Ion 119.00 (118.70 to 119.70): V

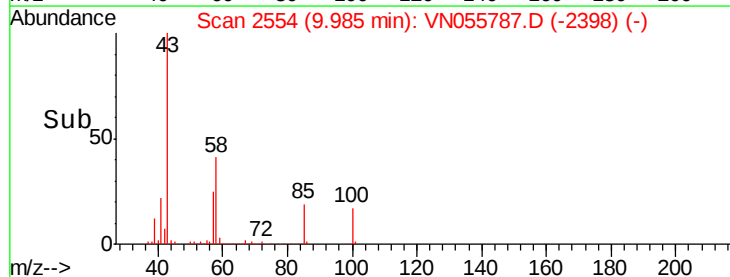
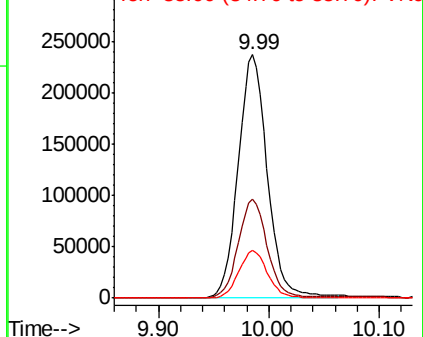


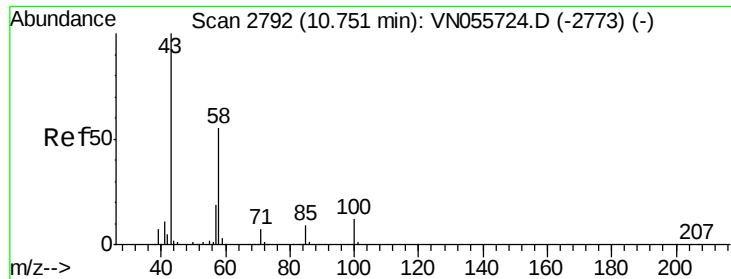
#58
 4-Methyl-2-Pentanone
 Concen: 92.687 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion: 43 Resp: 432927
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.7 47.5
 85 19.3 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 58.00 (57.70 to 58.70): VN
 Ion 85.00 (84.70 to 85.70): VN

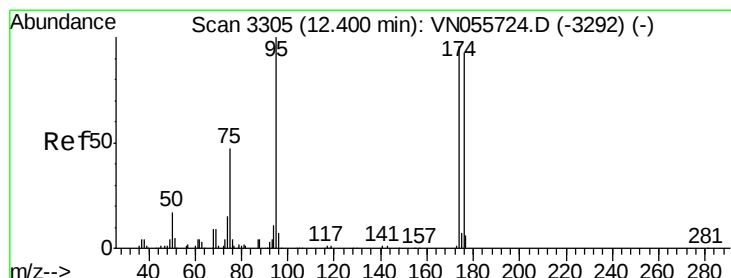
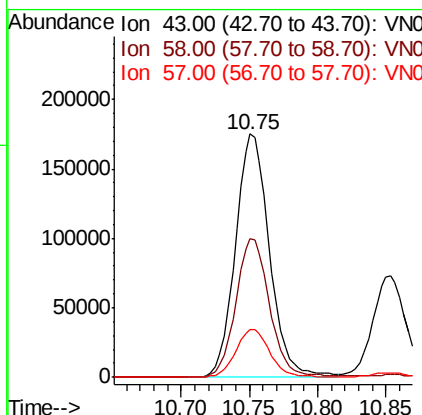
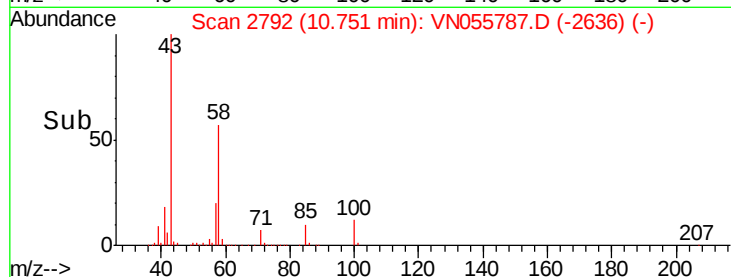
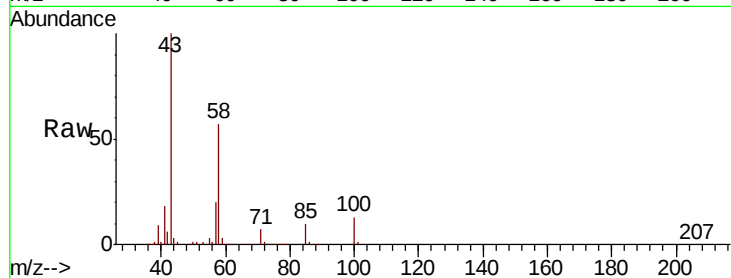




#59
2-Hexanone
Concen: 90.503 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

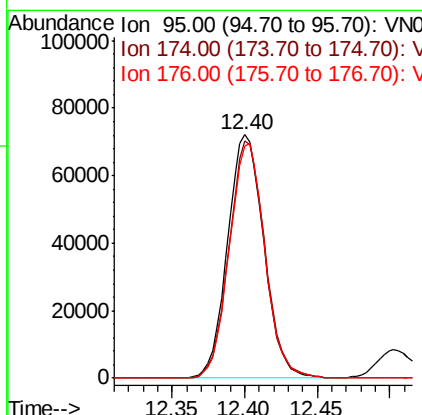
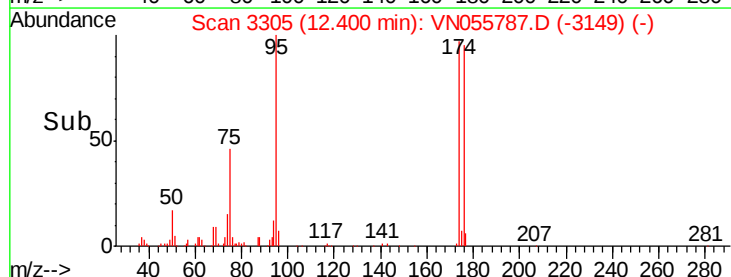
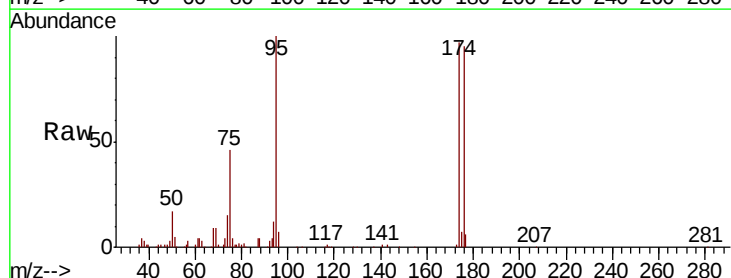
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

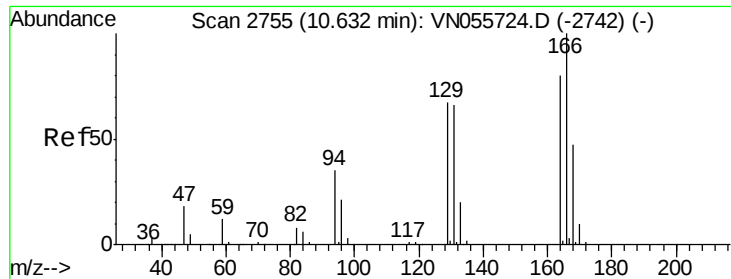
Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	44.8	67.2
57	19.8	15.3	22.9



#60
4-Bromofluorobenzene
Concen: 28.564 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	75.7	113.5
176	94.2	74.1	111.1





#61

Tetrachloroethene

Concen: 20.992 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion:164 Resp: 80177

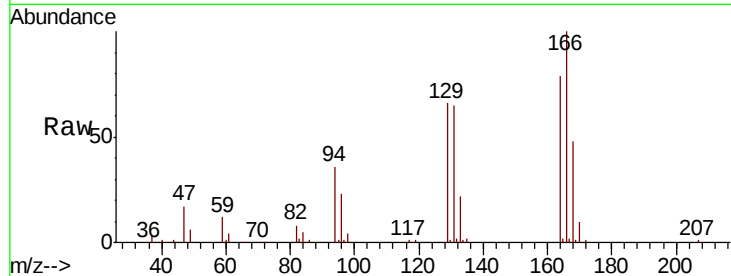
Ion Ratio Lower Upper

164 100

166 127.3 100.6 150.8

129 83.5 67.4 101.2

131 83.4 66.6 99.8

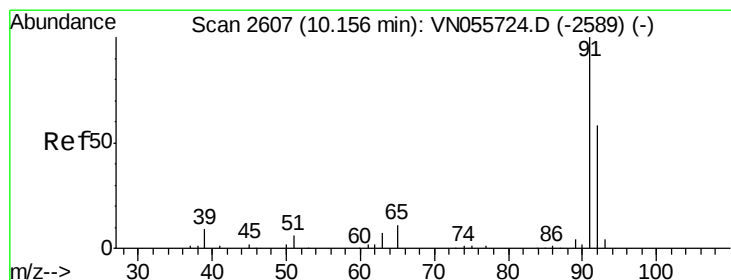
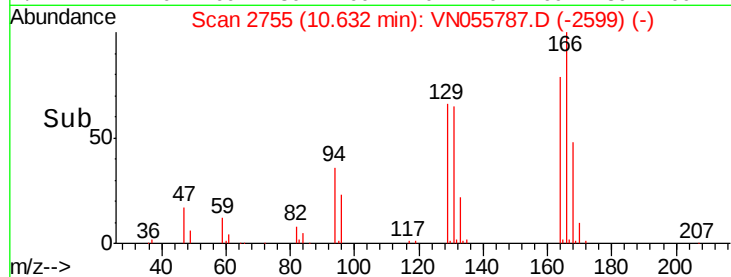
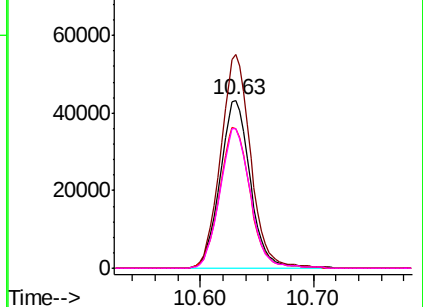


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.051 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055787.D

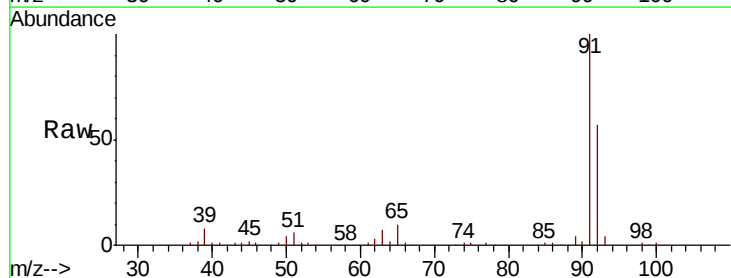
Acq: 24 May 2019 11:32

Tgt Ion: 91 Resp: 304225

Ion Ratio Lower Upper

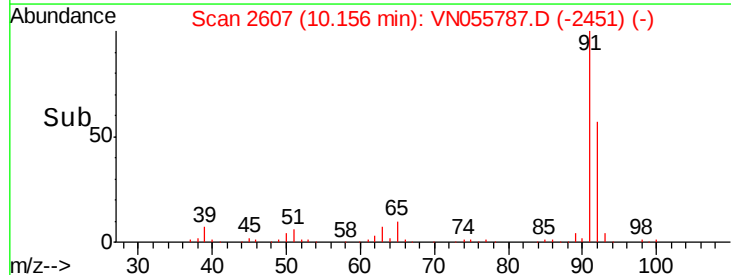
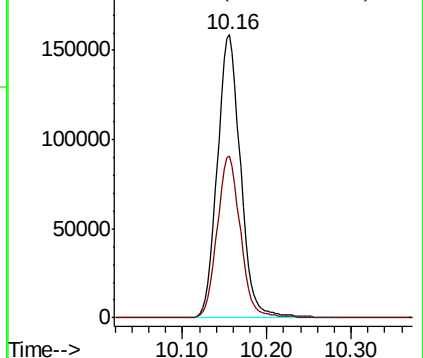
91 100

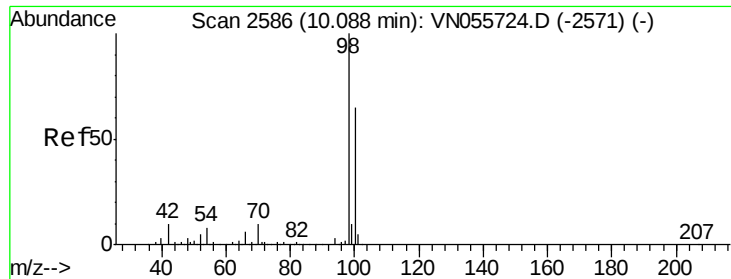
92 57.4 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.682 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

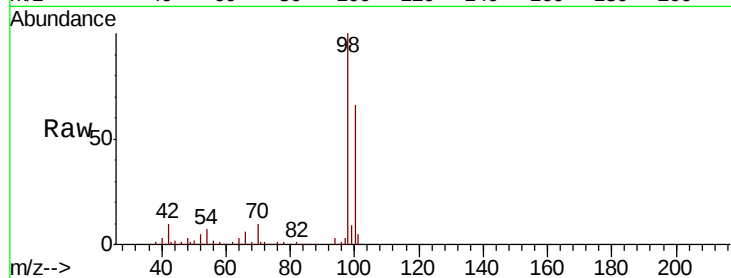
VN0524WBS01

Tot Ion: 98 Resp: 382723

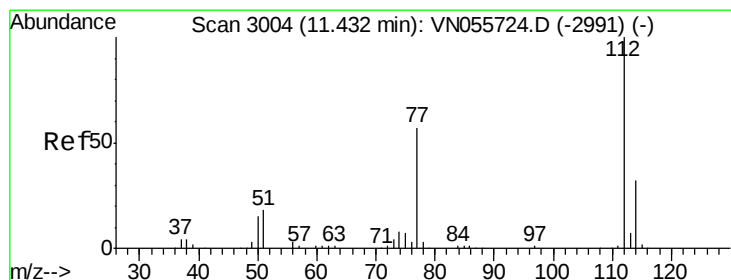
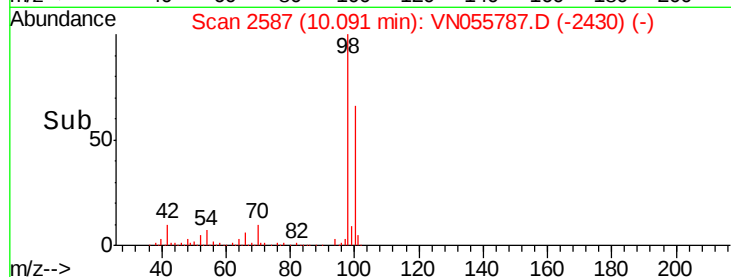
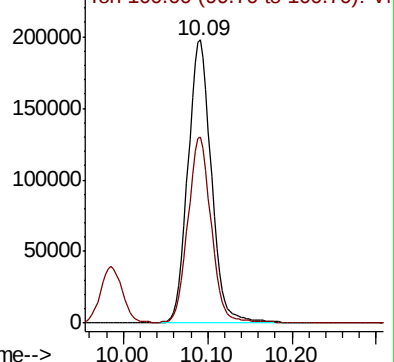
Ion Ratio Lower Upper

98 100

100 65.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055724.D (-2571) (-)



#64

Chlorobenzene

Concen: 20.233 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055787.D

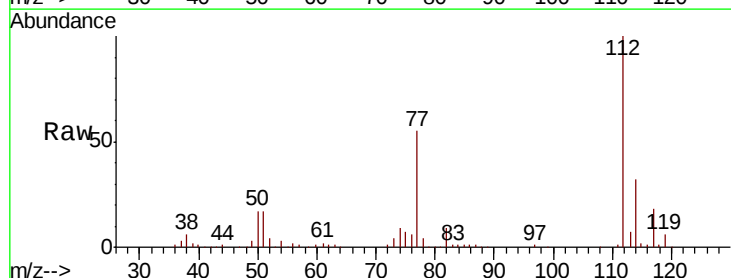
Acq: 24 May 2019 11:32

Tgt Ion: 112 Resp: 186224

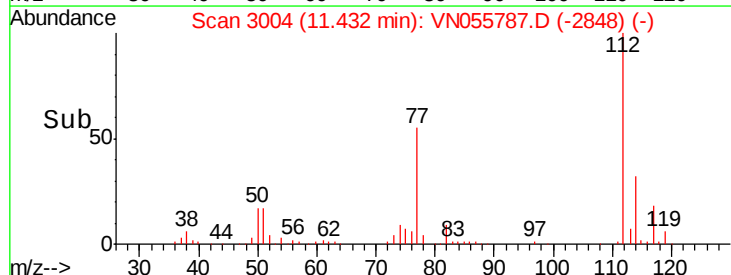
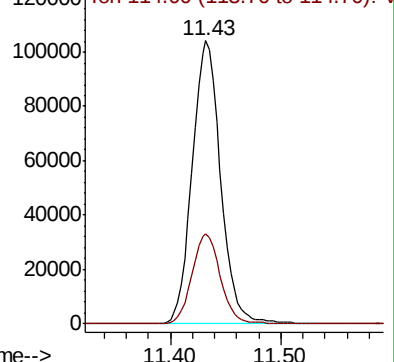
Ion Ratio Lower Upper

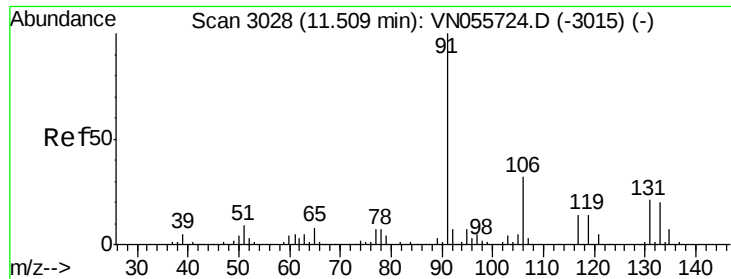
112 100

114 32.0 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN055724.D (-2991) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.618 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS01

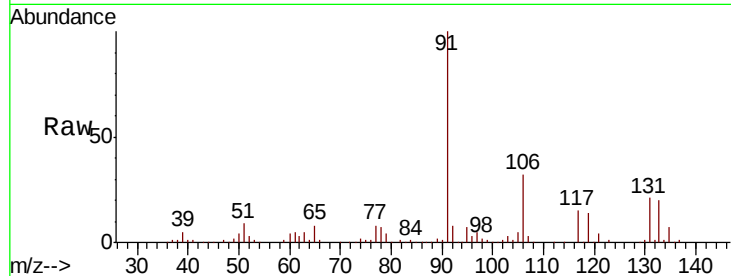
Tot Ion:131 Resp: 72753

Ion Ratio Lower Upper

131 100

133 96.0 0.0 188.8

119 66.3 0.0 133.6



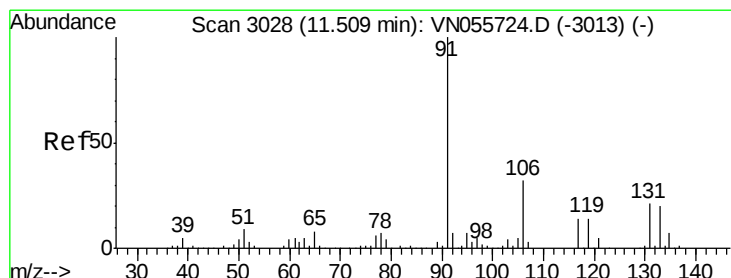
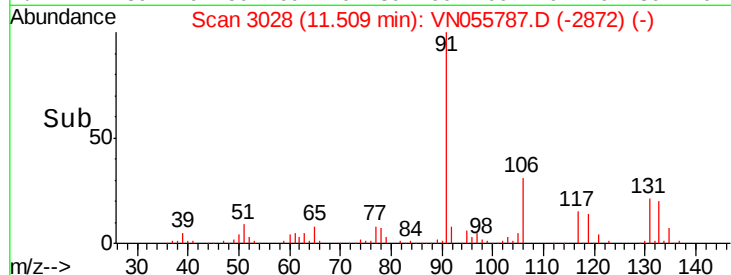
Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

11.51

Time-->



#66

Ethyl Benzene

Concen: 19.762 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055787.D

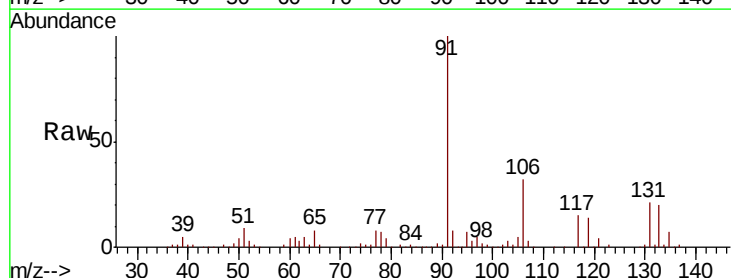
Acq: 24 May 2019 11:32

Tgt Ion: 91 Resp: 327614

Ion Ratio Lower Upper

91 100

106 32.1 25.6 38.4

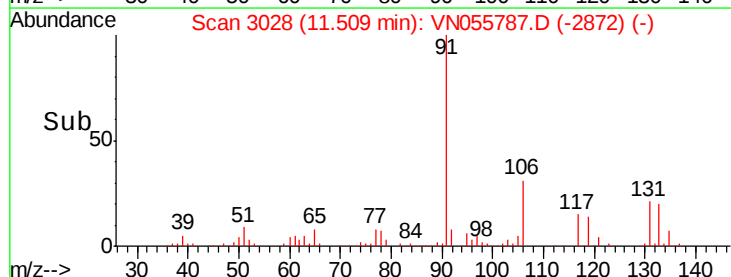


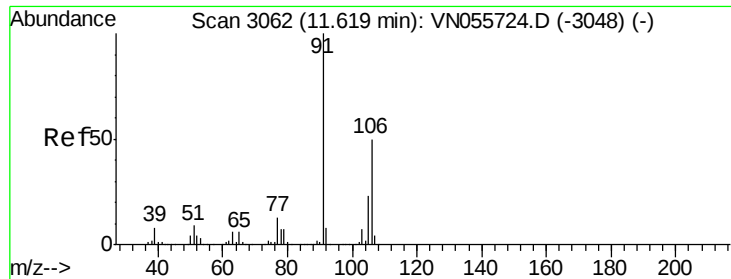
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

11.51

Time-->

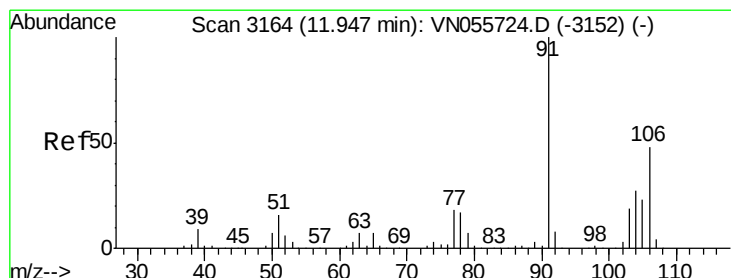
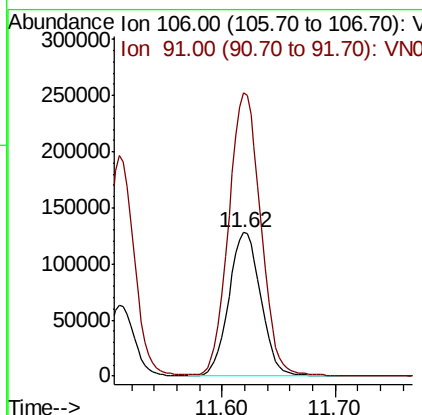
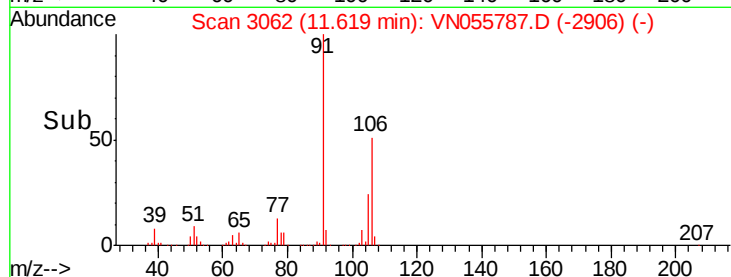
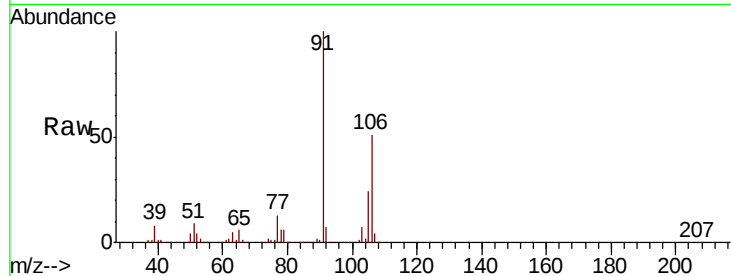




#67
m/p-Xylenes
Concen: 39.995 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

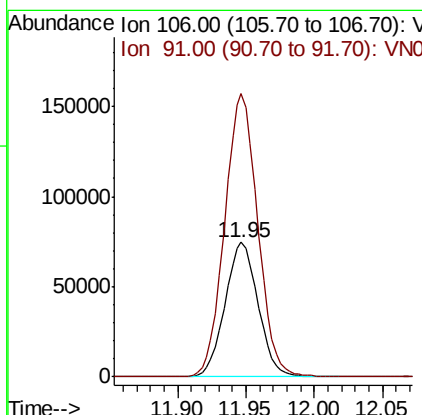
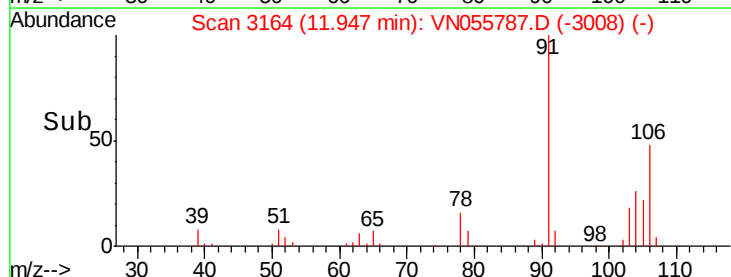
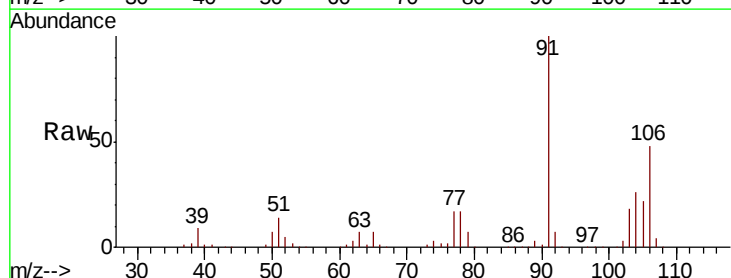
Instrument :
MSVOA_N
ClientSampled :
VN0524WBS01

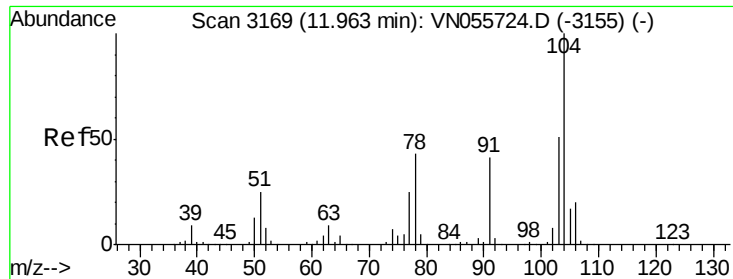
Tot Ion:106 Resp: 251875
Ion Ratio Lower Upper
106 100
91 198.3 159.5 239.3



#68
o-Xylene
Concen: 20.169 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion:106 Resp: 125694
Ion Ratio Lower Upper
106 100
91 210.4 105.4 316.1

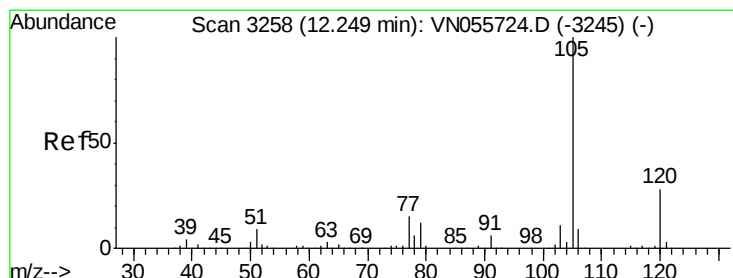
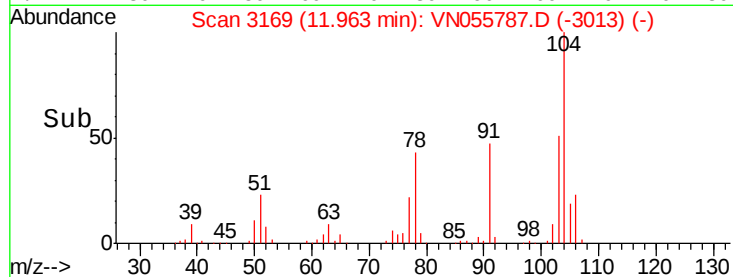
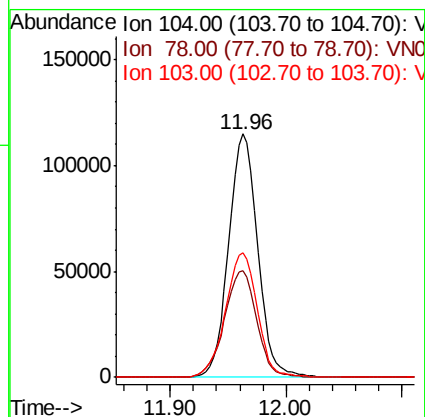
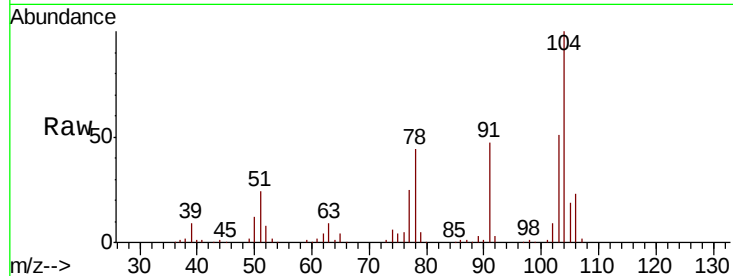




#69
Stvrene
Concen: 19.310 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

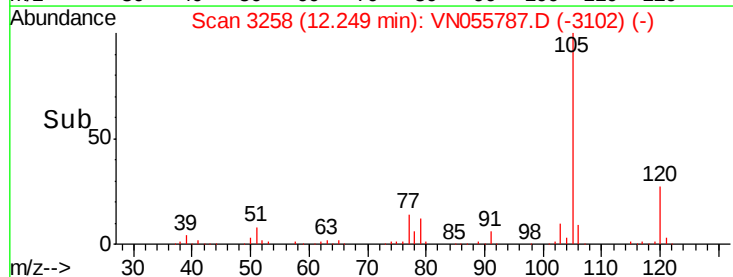
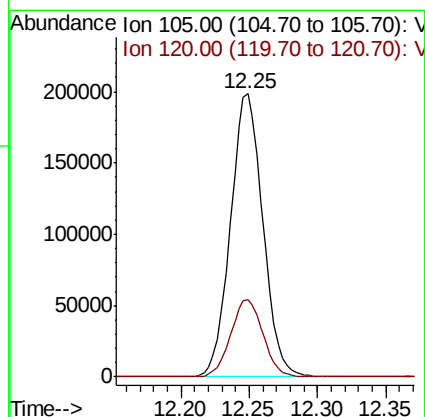
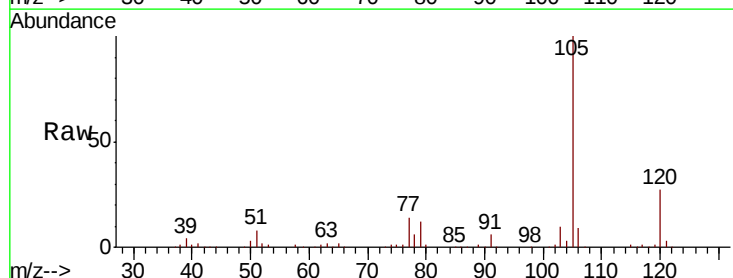
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

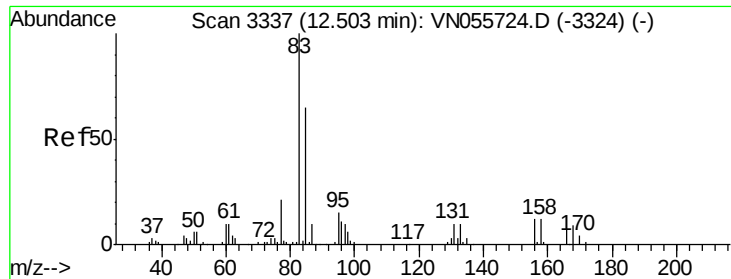
Tot Ion:104 Resp: 198532
Ion Ratio Lower Upper
104 100
78 48.9 38.7 58.1
103 56.1 45.0 67.6



#70
Isopropylbenzene
Concen: 20.016 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion:105 Resp: 326374
Ion Ratio Lower Upper
105 100
120 27.4 19.2 35.6

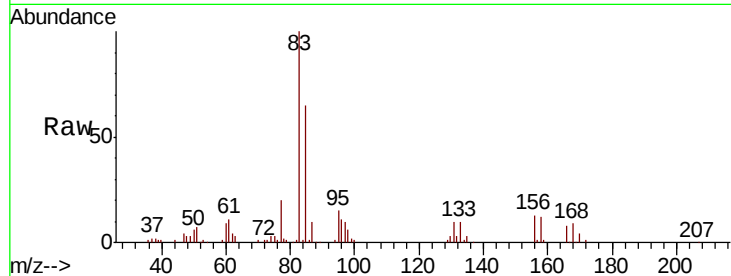




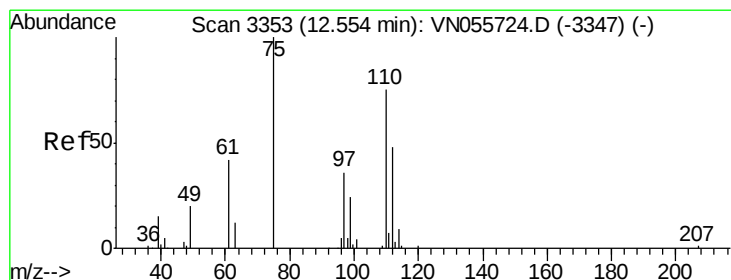
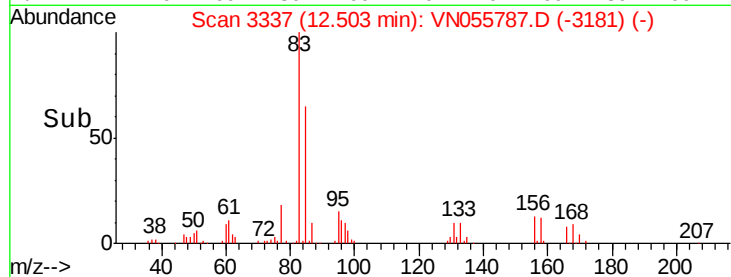
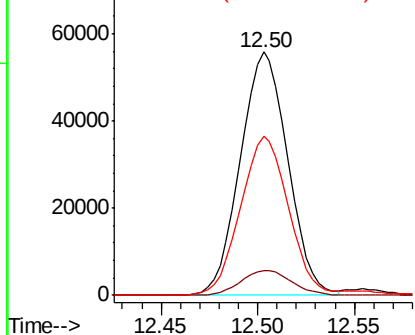
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.056 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion: 83 Resp: 95624
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.3 15.8
 85 65.8 32.3 96.9

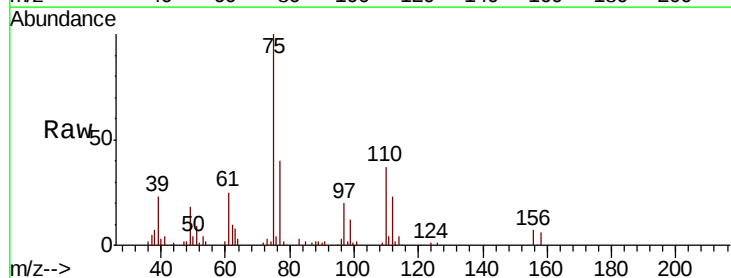


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

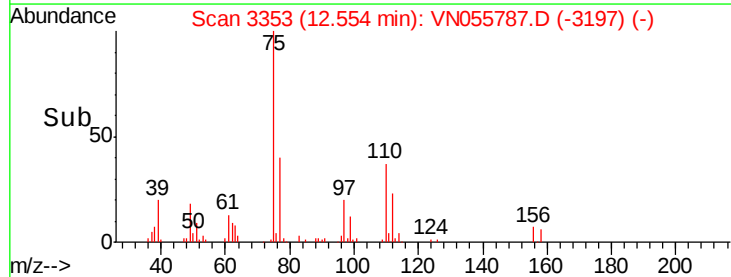
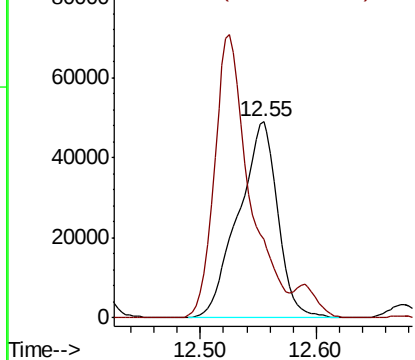


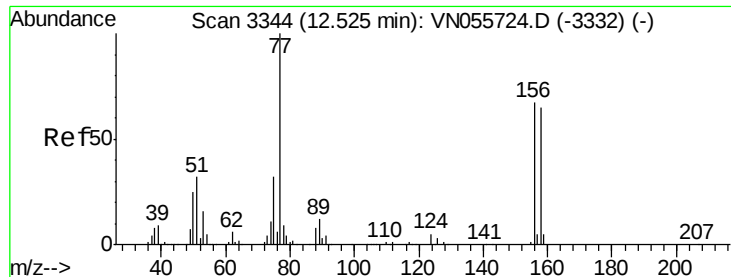
#72
 1,2,3-Trichloropropane
 Concen: 26.860 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion: 75 Resp: 116004
 Ion Ratio Lower Upper
 75 100
 77 128.4 0.0 349.8



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.842 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0524WBS01

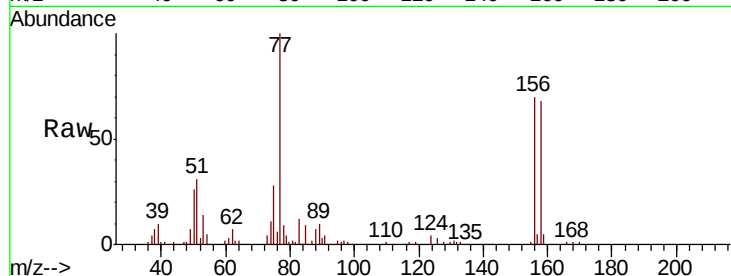
Tot Ion:156 Resp: 85593

Ion Ratio Lower Upper

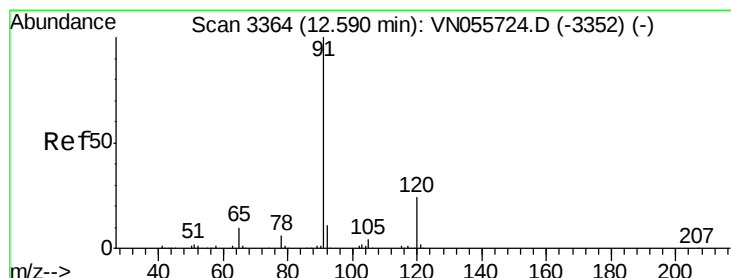
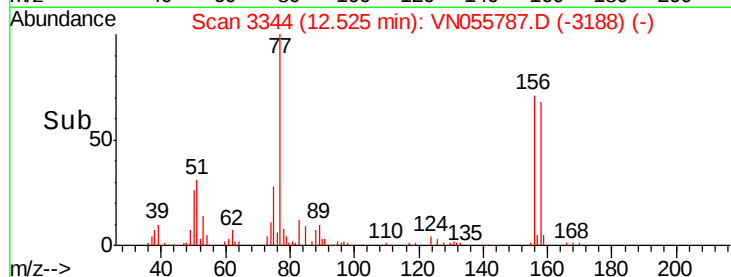
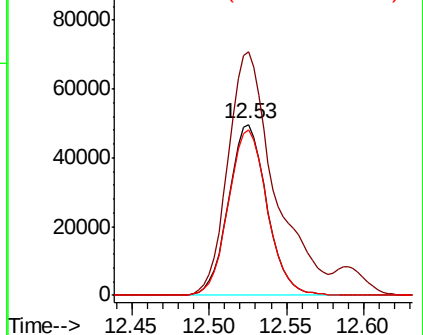
156 100

77 174.0 0.0 368.0

158 97.7 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.496 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055787.D

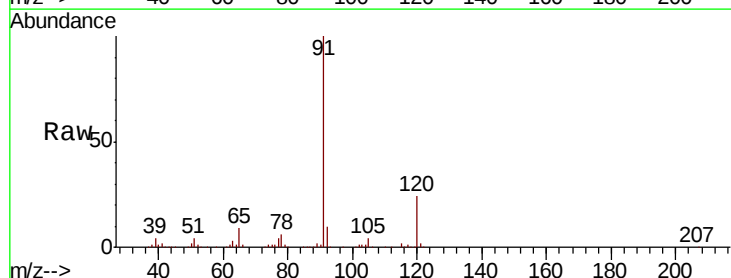
Acq: 24 May 2019 11:32

Tgt Ion: 91 Resp: 342858

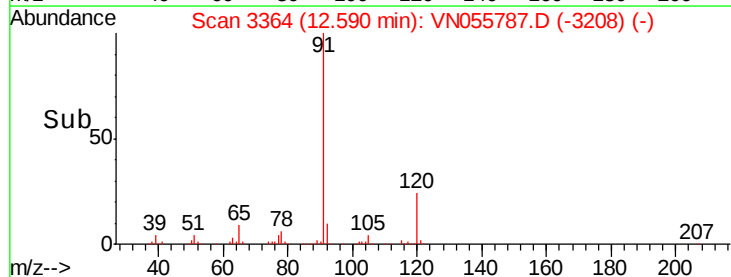
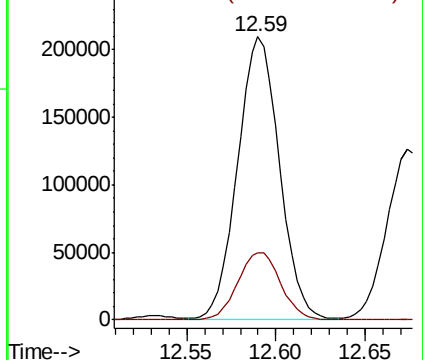
Ion Ratio Lower Upper

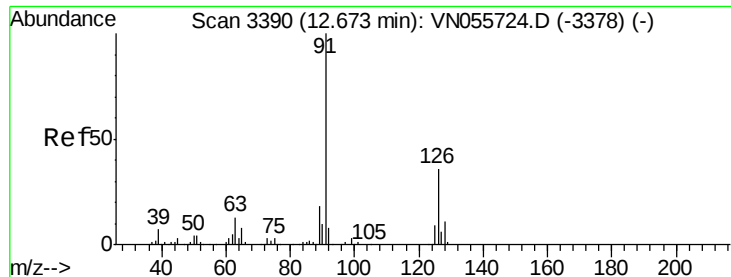
91 100

120 24.3 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.767 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

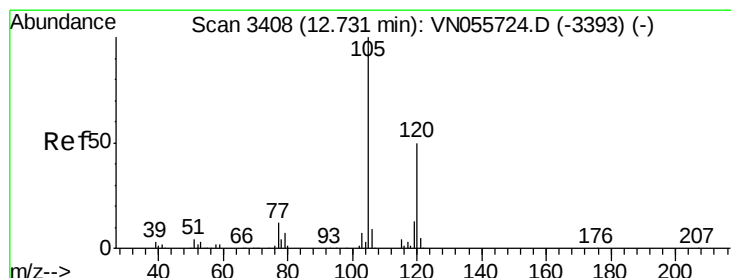
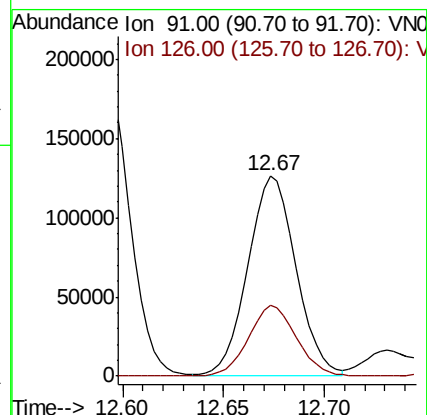
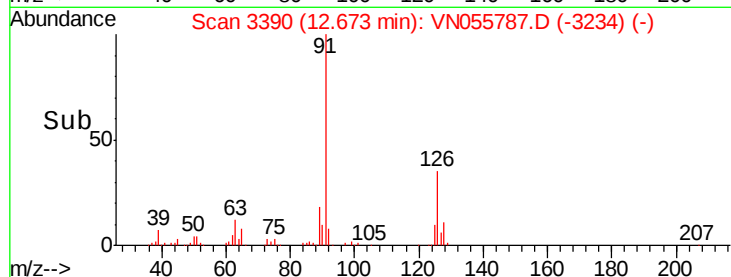
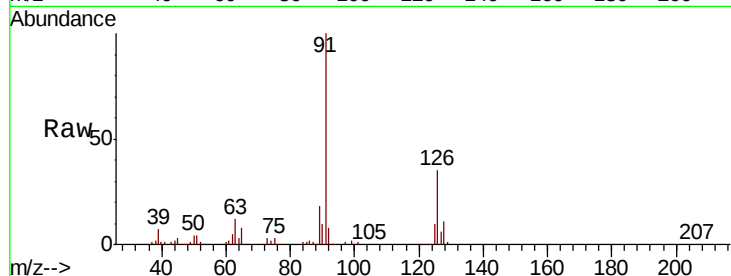
VN0524WBS01

Tot Ion: 91 Resp: 212339

Ion Ratio Lower Upper

91 100

126 35.2 0.0 71.0



#76

1,3,5-Trimethylbenzene

Concen: 20.084 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055787.D

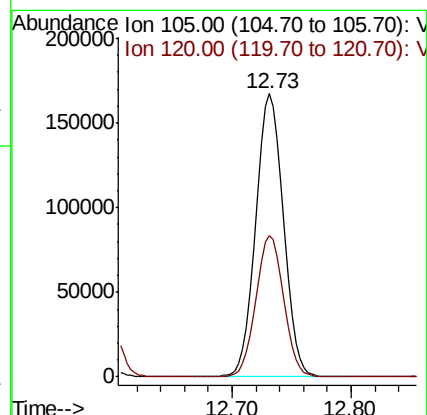
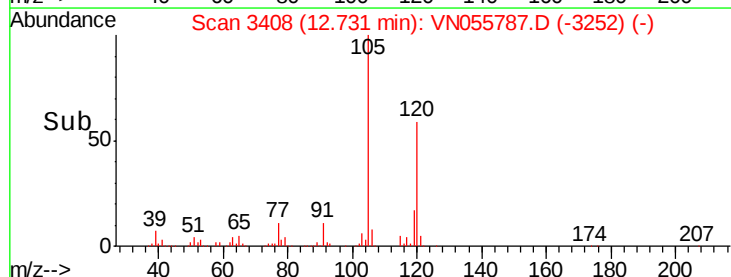
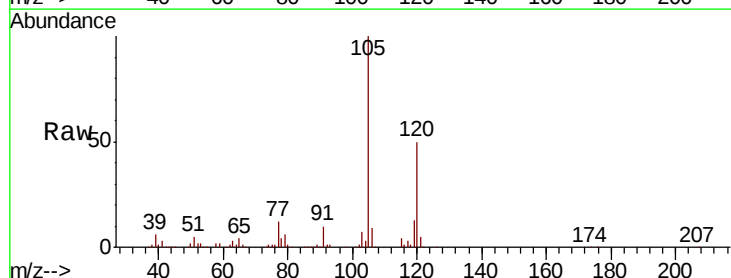
Acq: 24 May 2019 11:32

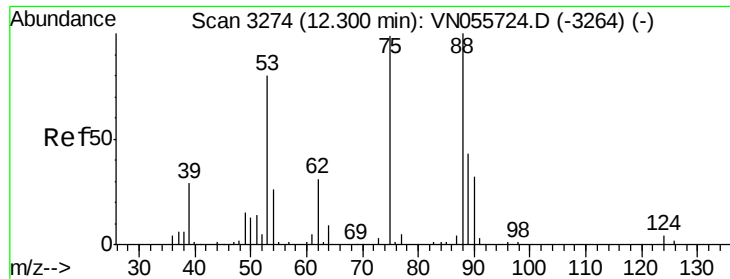
Tgt Ion:105 Resp: 270695

Ion Ratio Lower Upper

105 100

120 49.8 0.0 99.2

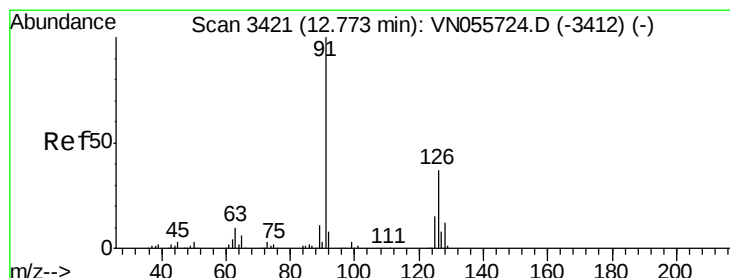
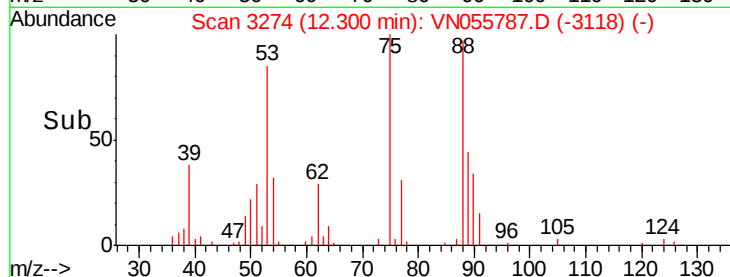
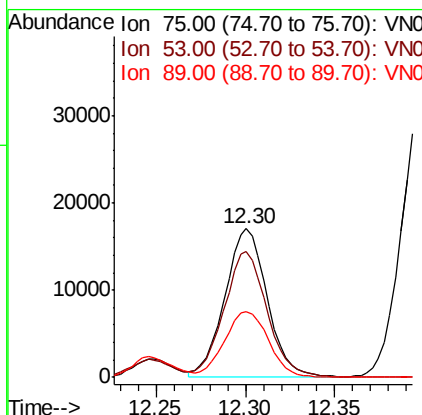
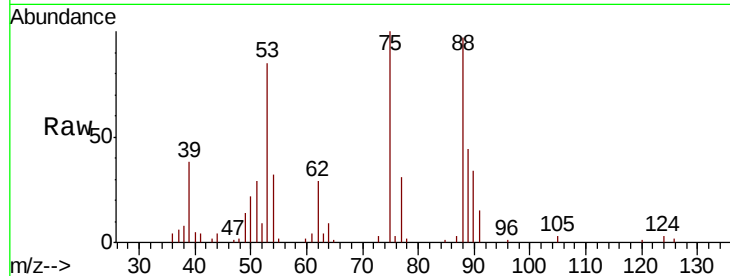




#77
t-1,4-Dichloro-2-butene
Concen: 16.466 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

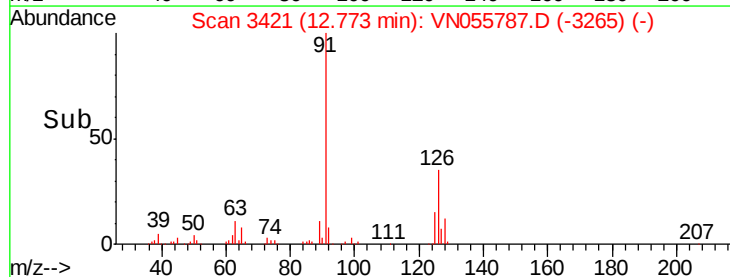
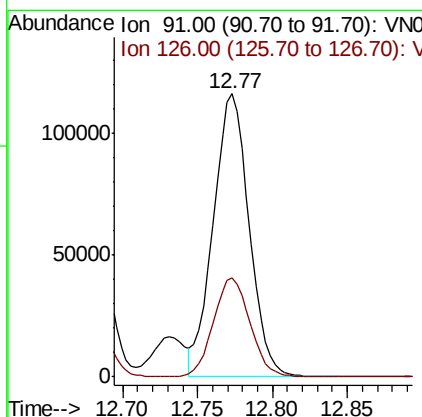
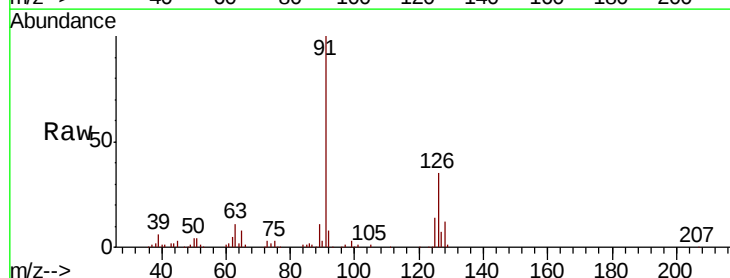
Instrument :
MSVOA_N
ClientSampled :
VN0524WBS01

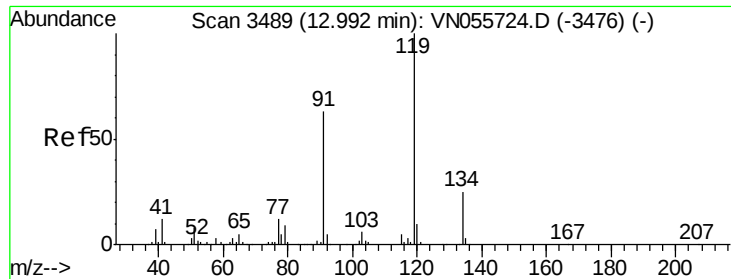
Tot Ion: 75 Resp: 28248
Ion Ratio Lower Upper
75 100
53 84.7 40.1 120.3
89 44.3 22.6 67.8



#78
4-Chlorotoluene
Concen: 19.093 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 91 Resp: 194381
Ion Ratio Lower Upper
91 100
126 35.5 0.0 69.0

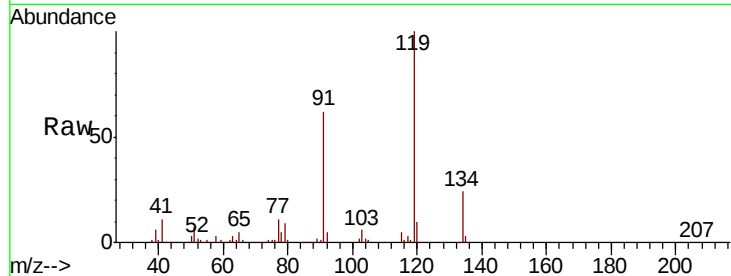




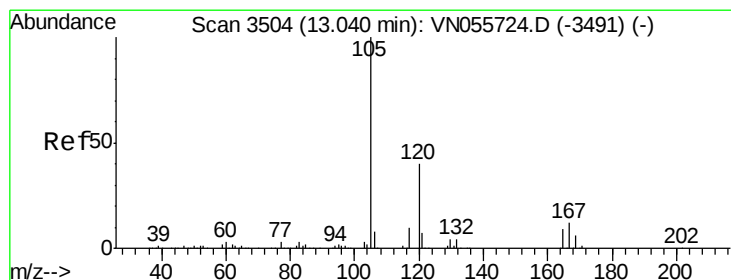
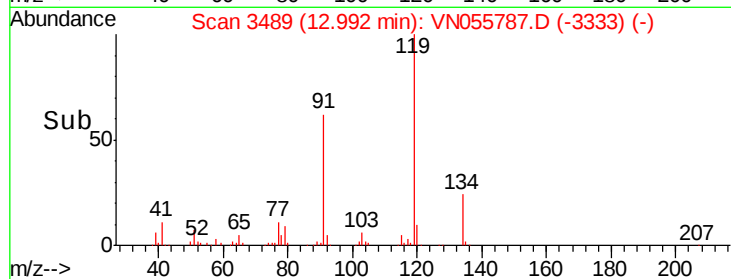
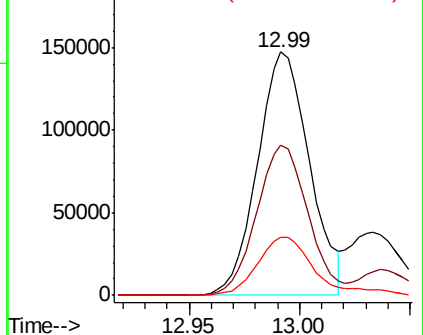
#79
tert-butylbenzene
Concen: 20.322 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	0.0	123.8
134	26.3	0.0	52.6

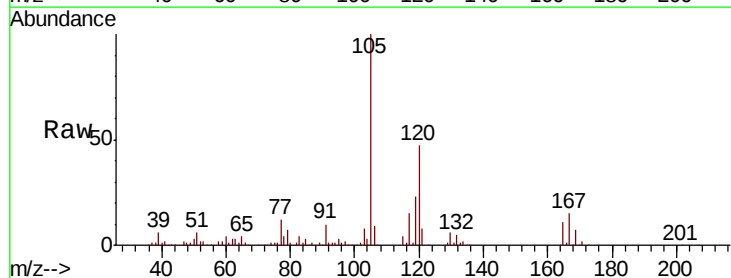


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

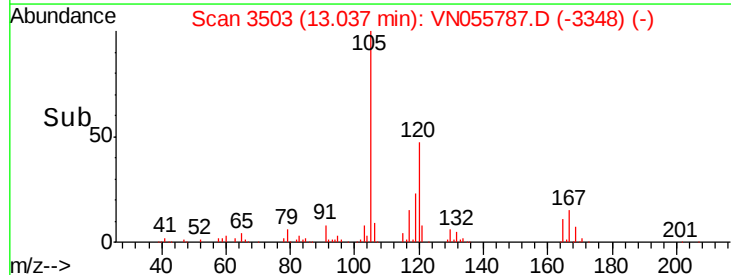
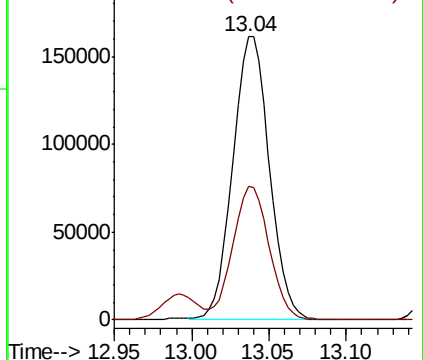


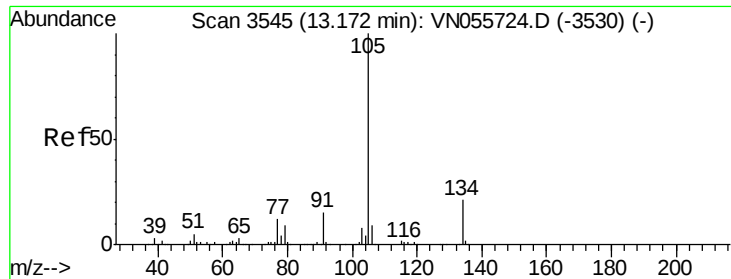
#80
1,2,4-Trimethylbenzene
Concen: 19.807 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	0.0	93.6



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

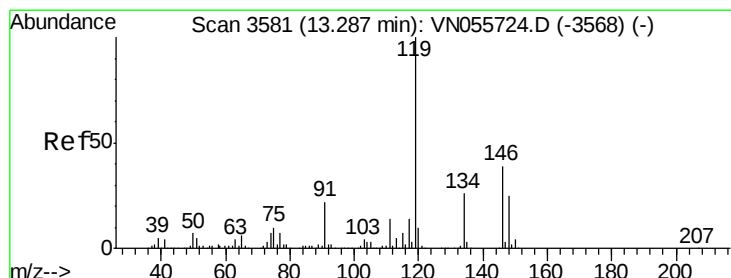
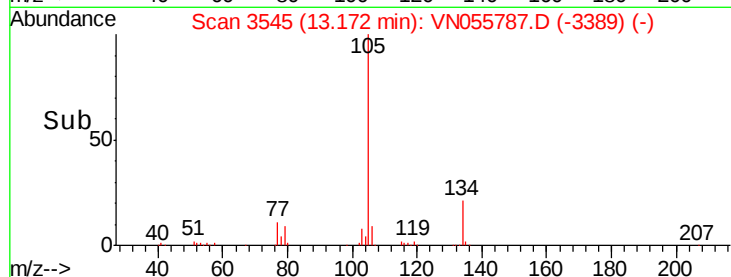
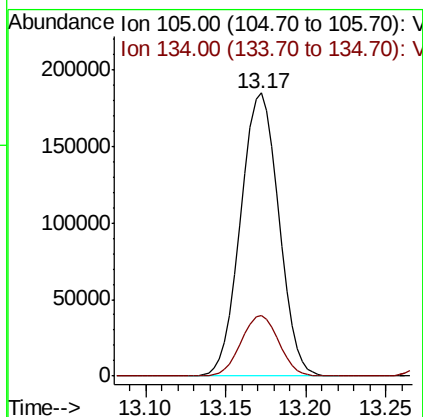
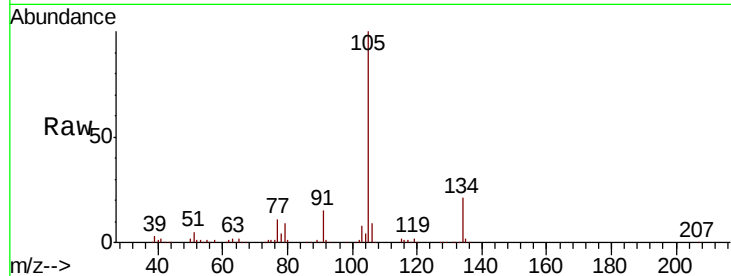




#81
 sec-Butylbenzene
 Concen: 19.970 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

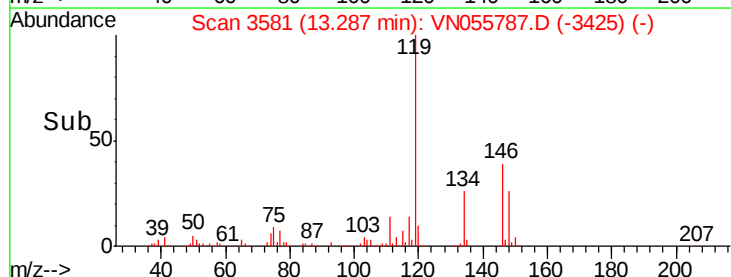
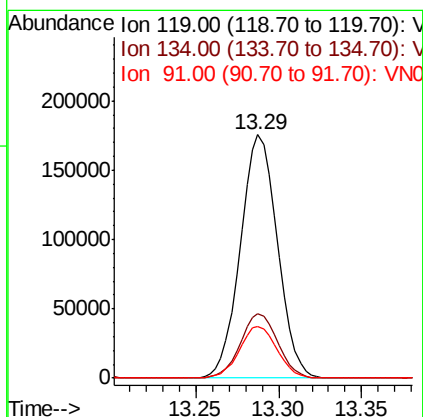
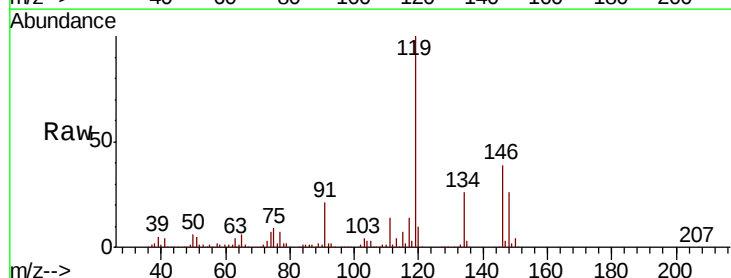
Instrument :
 MSVOA_N
 ClientSampled :
 VN0524WBS01

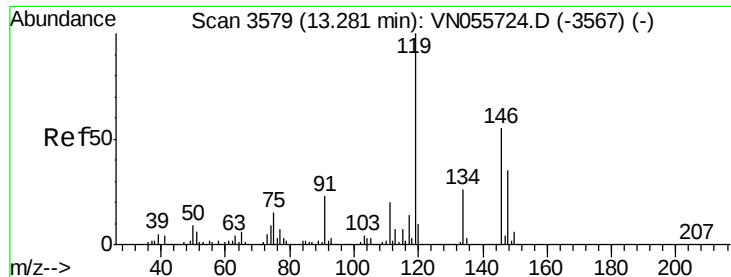
Tot Ion:105 Resp: 300634
 Ion Ratio Lower Upper
 105 100
 134 21.2 0.0 41.4



#82
 p-Isopropyltoluene
 Concen: 19.702 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion:119 Resp: 272970
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.0
 91 21.7 0.0 44.4

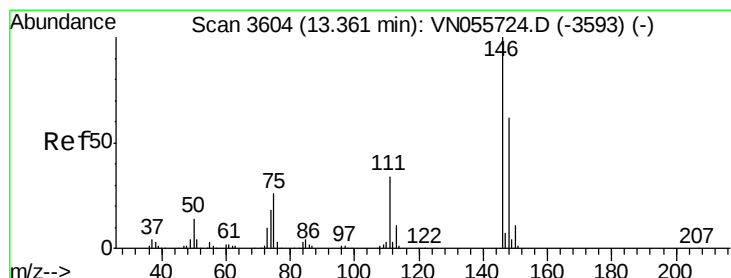
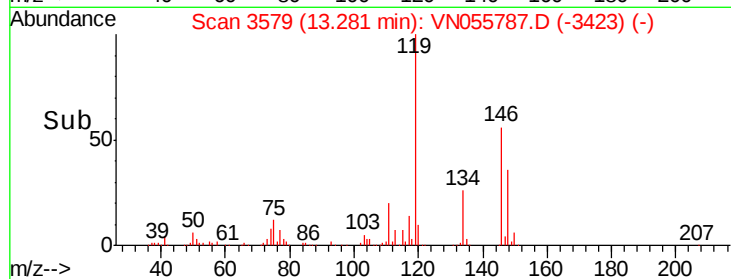
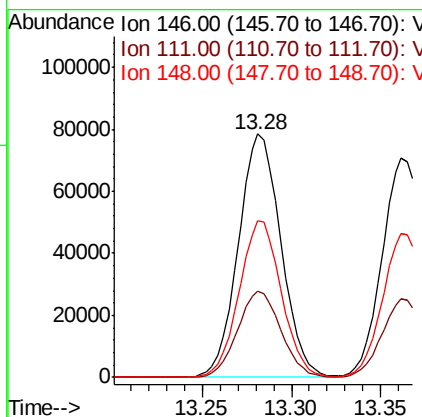
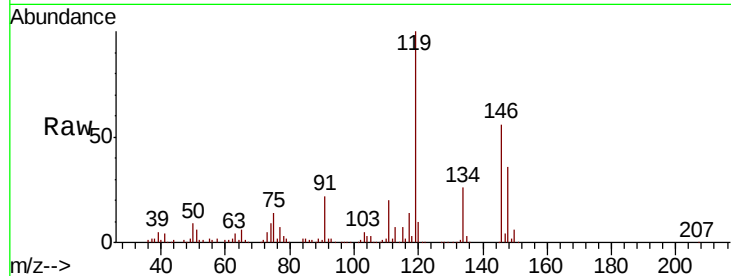




#83
 1,3-Dichlorobenzene
 Concen: 19.298 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

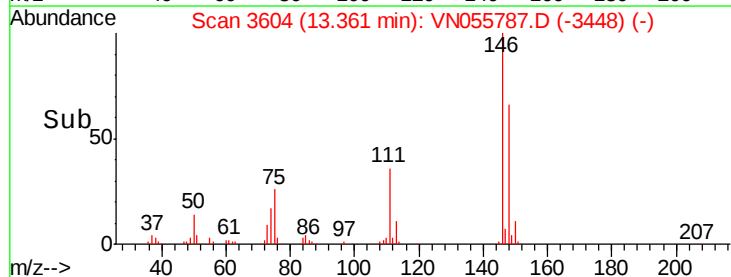
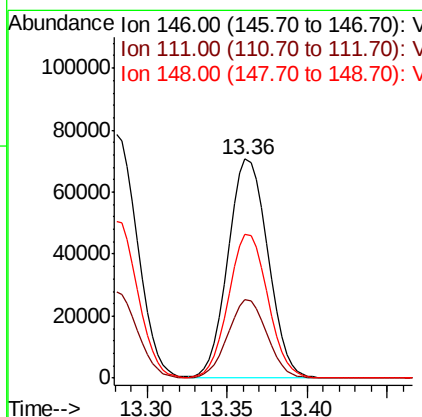
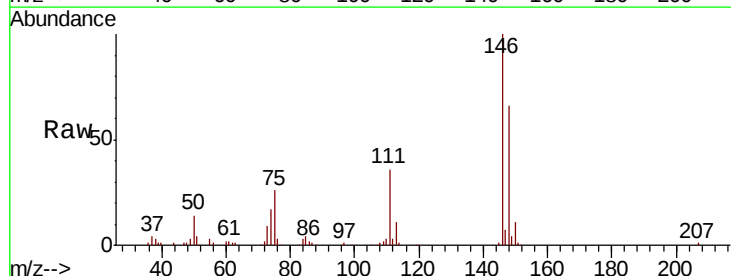
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

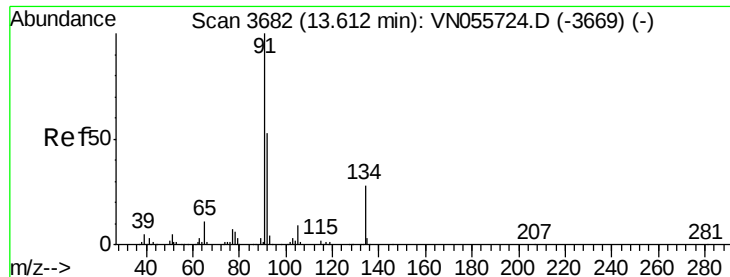
Tot Ion:146 Resp: 130498
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.6 55.6
 148 63.9 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.631 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion:146 Resp: 119978
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.5 52.6
 148 64.9 31.8 95.4

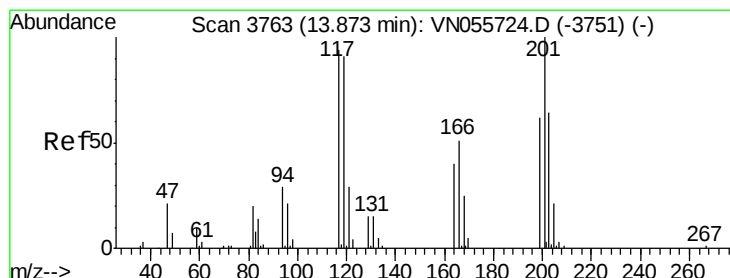
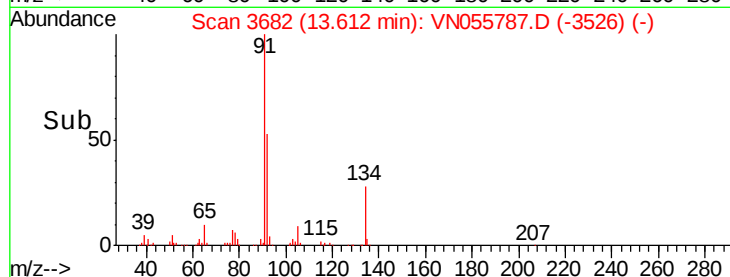
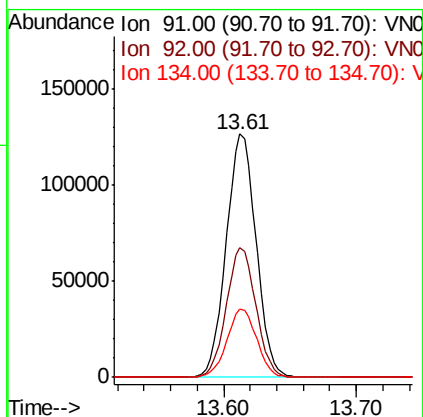
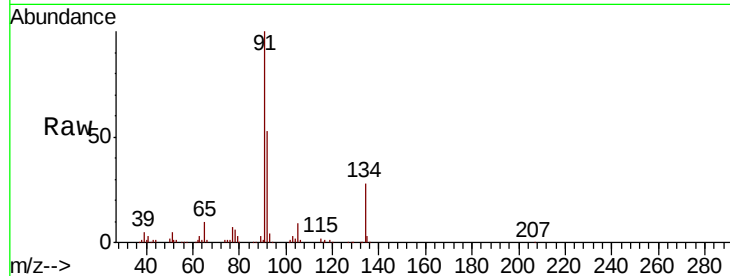




#85
n-Butylbenzene
Concen: 18.410 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

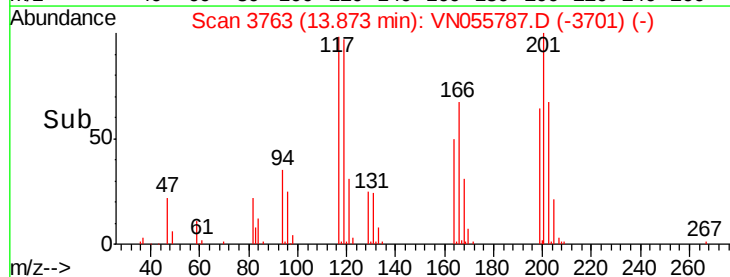
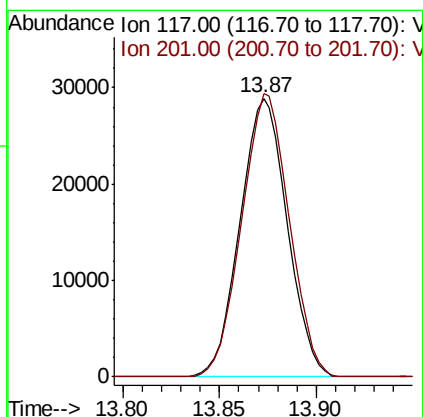
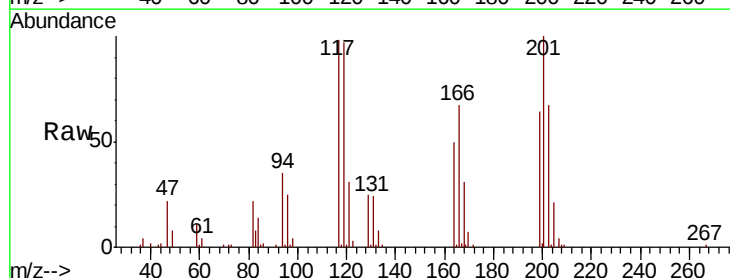
Instrument :
MSVOA_N
ClientSampled :
VN0524WBS01

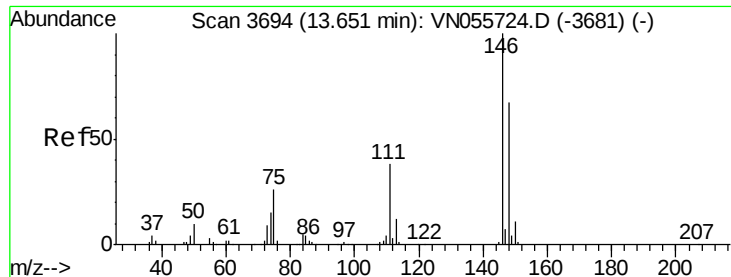
Tot Ion: 91 Resp: 198437
Ion Ratio Lower Upper
91 100
92 52.6 0.0 106.8
134 27.8 0.0 55.2



#86
Hexachloroethane
Concen: 17.990 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 117 Resp: 49025
Ion Ratio Lower Upper
117 100
201 102.2 52.5 157.6





#87

1,2-Dichlorobenzene

Concen: 19.437 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

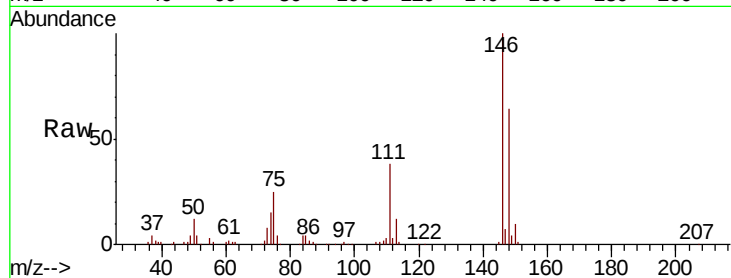
Tot Ion:146 Resp: 132346

Ion Ratio Lower Upper

146 100

111 37.7 19.2 57.6

148 63.8 32.7 98.1

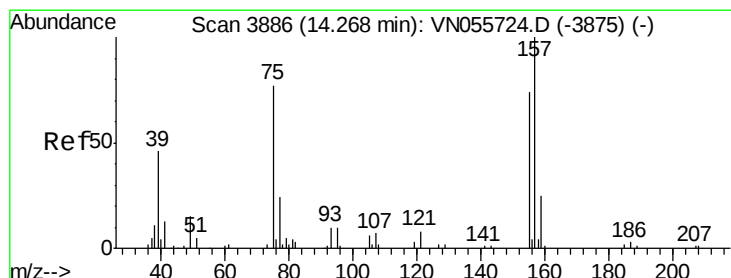
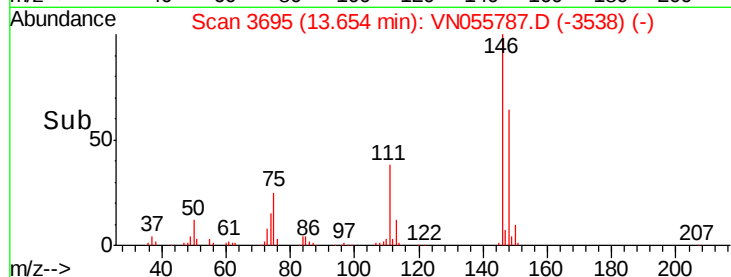
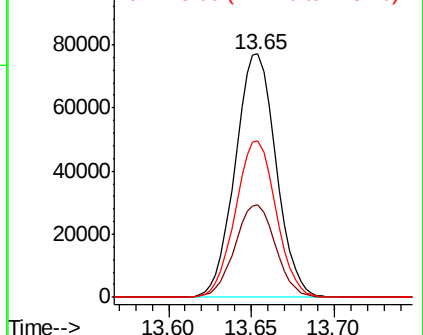


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.940 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

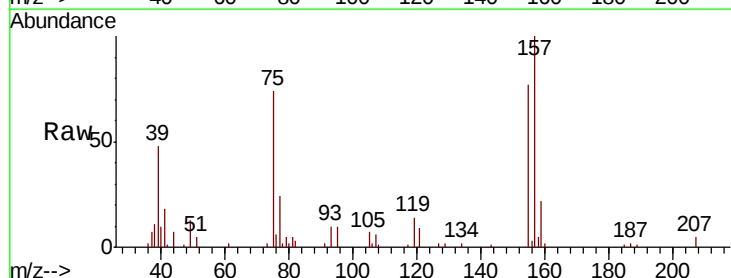
Tgt Ion: 75 Resp: 16111

Ion Ratio Lower Upper

75 100

155 105.9 78.4 117.6

157 136.0 105.0 157.4

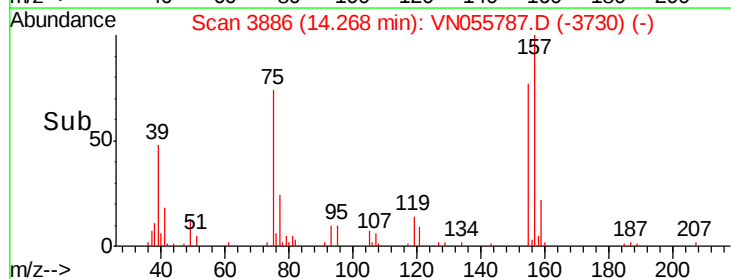
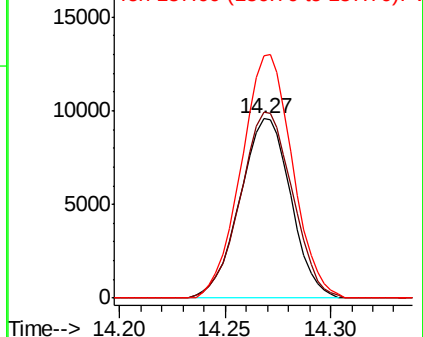


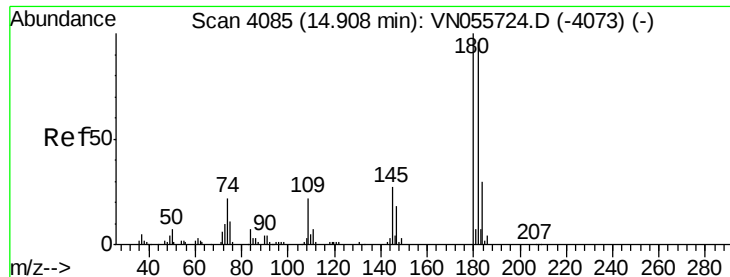
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

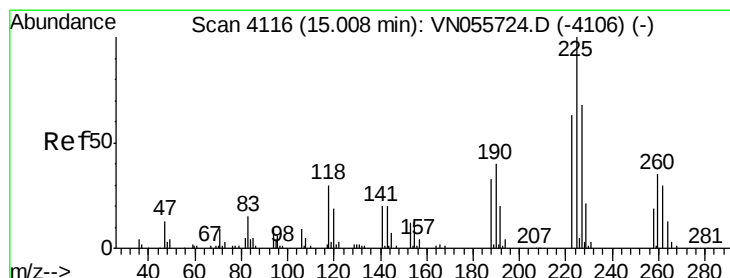
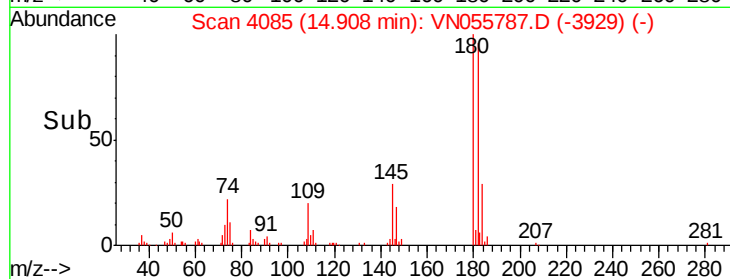
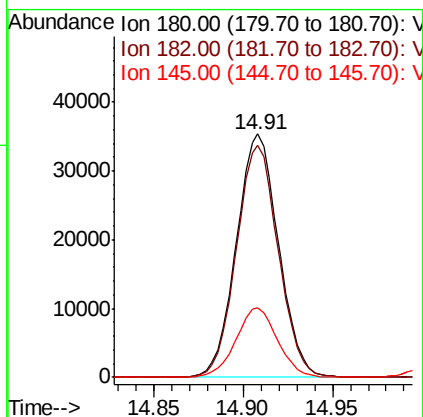
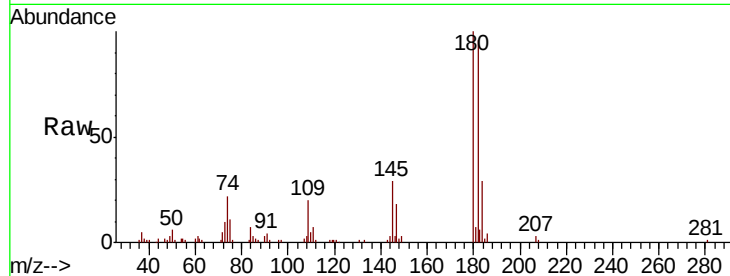




#89
 1,2,4-Trichlorobenzene
 Concen: 15.872 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

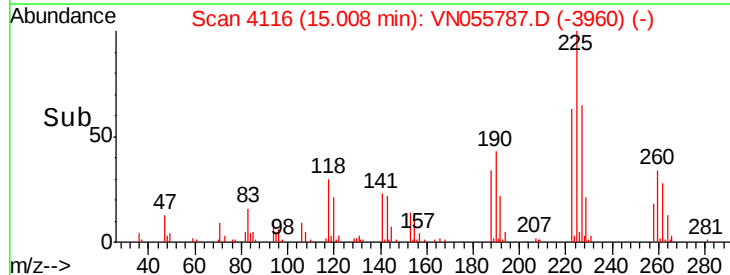
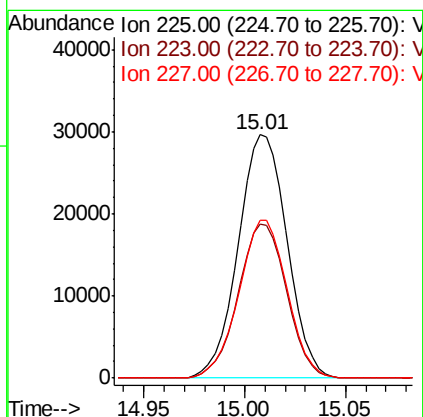
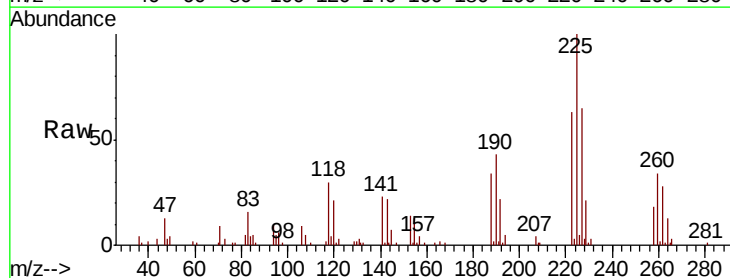
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

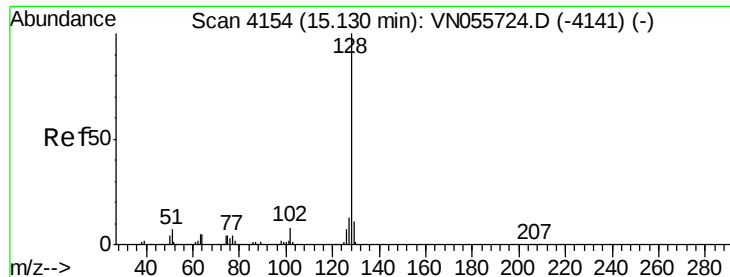
Tot Ion:180 Resp: 58338
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.1 114.1
 145 28.1 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 18.337 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion:225 Resp: 50288
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 126.0
 227 63.9 0.0 133.0





#91

Naphthalene

Concen: 16.238 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

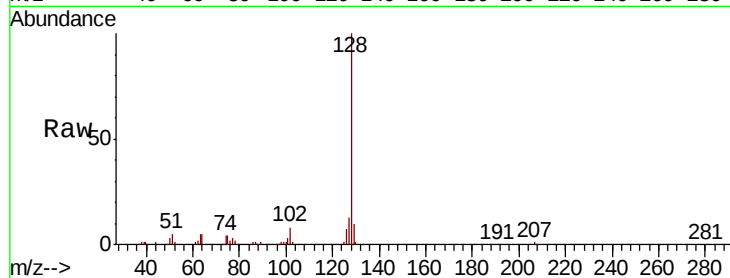
Tot Ion:128 Resp: 163074

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

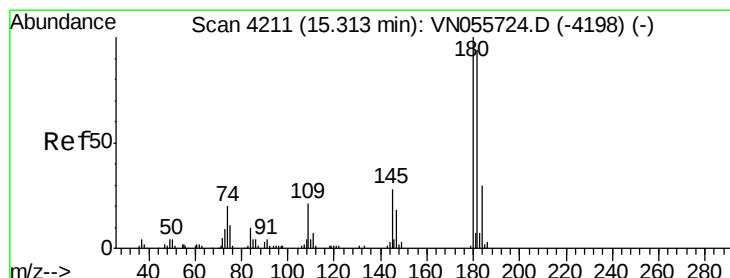
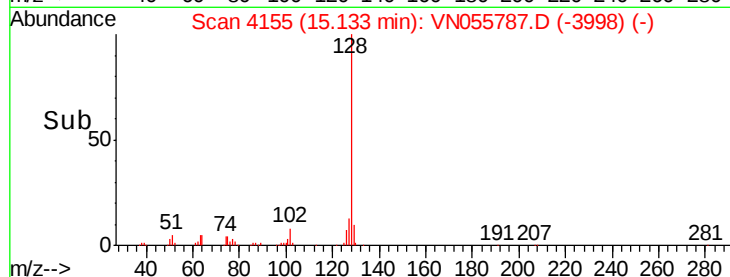
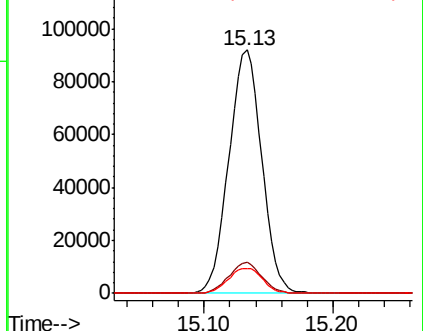
129 10.7 8.7 13.1



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



#92

1,2,3-Trichlorobenzene

Concen: 17.037 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

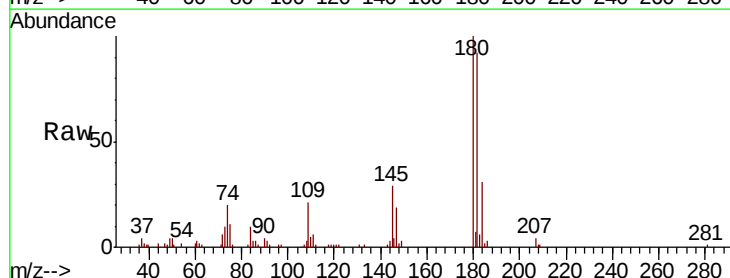
Tgt Ion:180 Resp: 65446

Ion Ratio Lower Upper

180 100

182 94.5 0.0 188.6

145 28.8 0.0 56.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

