

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055904.D
 Acq On : 30 May 2019 17:04
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 31 04:50:50 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	51667	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	278619	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	241824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	102036	30.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.70%
60) 4-Bromofluorobenzene	12.40	95	106316	28.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.20%
63) Toluene-d8	10.09	98	334092	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	44367	19.585	ug/l 100
3) Chloromethane	2.06	50	59701	18.528	ug/l 97
4) Vinyl Chloride	2.19	62	64763	19.693	ug/l 99
5) Bromomethane	2.54	94	42794	22.225	ug/l 99
6) Chloroethane	2.69	64	40281	20.967	ug/l 95
7) Trichlorofluoromethane	3.01	101	86126	20.875	ug/l 98
8) Diethyl Ether	3.40	74	38512	21.233	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53751	20.618	ug/l 98
10) 1,1-Dichloroethene	3.72	96	54241	19.889	ug/l 97
11) Methyl Iodide	3.94	142	76501	19.664	ug/l 99
12) Methyl Acetate	4.33	43	68063	20.406	ug/l 99
13) Acrolein	3.60	56	42131	90.909	ug/l 99
14) Acrylonitrile	4.99	53	152850	100.517	ug/l 100
15) Acetone	3.82	58	48305	102.285	ug/l 95
16) Carbon Disulfide	4.04	76	129176	16.521	ug/l 99
17) Allyl chloride	4.31	41	89850	18.293	ug/l 96
18) Methylene Chloride	4.55	84	63422	20.306	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	57266	19.520	ug/l 98
20) Diisopropyl ether	5.96	45	187189	19.646	ug/l 96
21) 1,1-Dichloroethane	5.84	63	106806	19.834	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	68909	20.140	ug/l 97
23) tert-Butyl Alcohol	4.82	59	61656	92.323	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	183174	19.795	ug/l 100
25) Chloroform	7.37	83	106560	20.035	ug/l 99
26) Cyclohexane	7.65	56	94934	19.109	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	78278	20.069	ug/l 99
30) 2-Butanone	6.84	43	211104	101.544	ug/l 99
31) 2,2-Dichloropropane	6.82	77	83827	18.469	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	90645	19.607	ug/l 99
33) Carbon Tetrachloride	7.77	117	74683	18.059	ug/l 98
34) Benzene	8.04	78	250332	20.788	ug/l 99
35) Methacrylonitrile	7.18	41	38326	19.973	ug/l 98
36) 1,2-Dichloroethane	8.12	62	81965	20.829	ug/l 100
37) Trichloroethene	8.83	130	66877	19.905	ug/l 99
38) Methylcyclohexane	9.08	83	95790	19.384	ug/l 99
39) 1,2-Dichloropropane	9.12	63	65354	20.188	ug/l 98
40) Dibromomethane	9.21	93	42456	20.310	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	79359	18.524	ug/l	99
42) Vinyl Acetate	5.90	43	775496	96.077	ug/l	99
43) Ethyl Acetate	6.93	43	81549	19.956	ug/l #	100
44) Isopropyl Acetate	8.17	43	130218	19.244	ug/l #	87
45) 1,4-Dioxane	9.20	88	26516	416.525	ug/l	95
46) Methyl methacrylate	9.20	41	63245	20.033	ug/l	99
47) n-amyl Acetate	12.07	43	102567	18.326	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	81298	17.191	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	96778	18.696	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	63025	20.711	ug/l	97
51) Ethyl methacrylate	10.43	69	93245	19.010	ug/l	99
52) 1,3-Dichloropropane	10.71	76	102087	20.352	ug/l	99
53) Dibromochloromethane	10.90	129	62140	17.285	ug/l	98
54) 1,2-Dibromoethane	11.00	107	63786	20.256	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	169221	88.667	ug/l	99
56) Bromoform	12.13	173	43263	14.671	ug/l #	95
58) 4-Methyl-2-Pentanone	9.99	43	408219	101.971	ug/l	99
59) 2-Hexanone	10.75	43	282672	98.767	ug/l	100
61) Tetrachloroethene	10.63	164	68707	20.988	ug/l	98
62) Toluene	10.15	91	273659	21.044	ug/l	100
64) Chlorobenzene	11.43	112	163548	20.733	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	60098	18.908	ug/l	99
66) Ethyl Benzene	11.51	91	290791	20.466	ug/l	99
67) m/p-Xylenes	11.62	106	221515	41.040	ug/l	100
68) o-Xylene	11.95	106	109619	20.523	ug/l	99
69) Styrene	11.96	104	175783	19.948	ug/l	98
70) Isopropylbenzene	12.25	105	290280	20.771	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	87909	20.440	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	104641	28.269	ug/l	67
73) Bromobenzene	12.53	156	73026	19.752	ug/l	100
74) n-propylbenzene	12.59	91	301508	20.004	ug/l	100
75) 2-Chlorotoluene	12.67	91	188826	20.509	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	234937	20.338	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	21437	14.580	ug/l	86
78) 4-Chlorotoluene	12.77	91	172409	19.759	ug/l	99
79) tert-butylbenzene	12.99	119	209202	20.600	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	228688	19.943	ug/l	99
81) sec-Butylbenzene	13.17	105	263100	20.391	ug/l	100
82) p-Isopropyltoluene	13.29	119	236648	19.929	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	111828	19.295	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	102303	18.535	ug/l	99
85) n-Butylbenzene	13.61	91	166345	18.006	ug/l	99
86) Hexachloroethane	13.87	117	37361	15.996	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	114861	19.682	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13609	16.695	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	44967	14.274	ug/l	98
90) Hexachlorobutadiene	15.01	225	39912	16.980	ug/l	98
91) Naphthalene	15.13	128	131979	15.333	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	52077	15.818	ug/l	96

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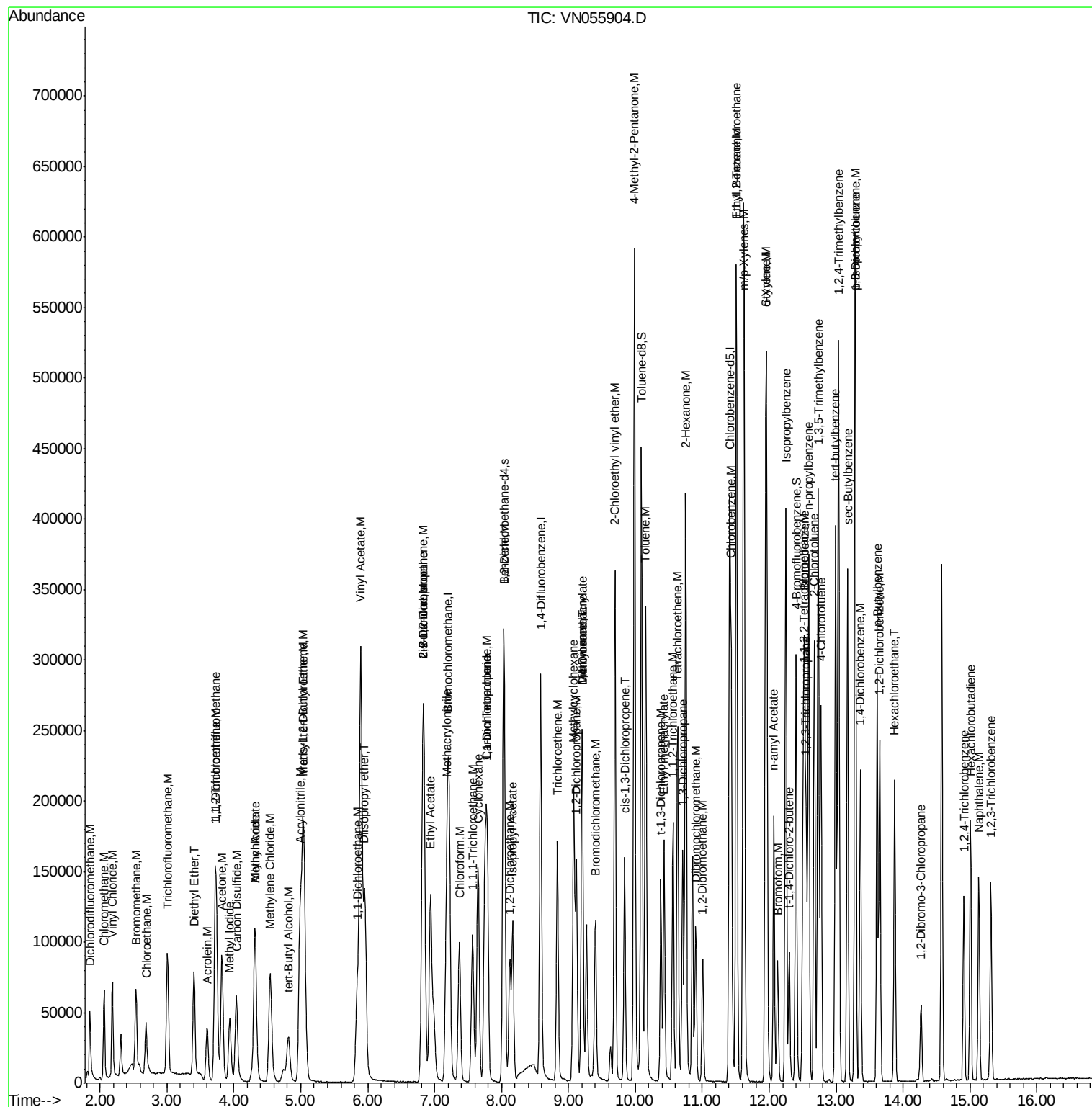
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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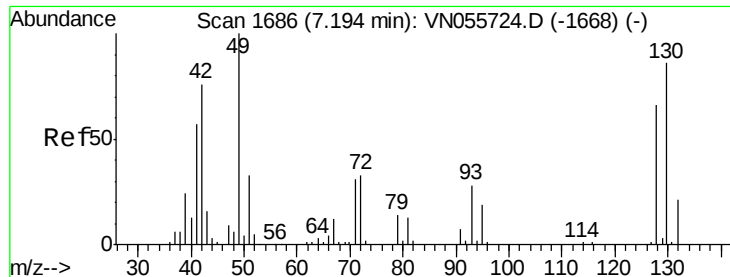
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053019\
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ClientSampleId :

Quant Time: May 31 04:50:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampled :

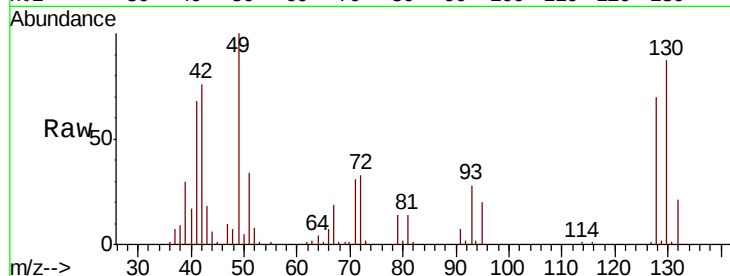
Tot Ion:128 Resp: 51667

Ion Ratio Lower Upper

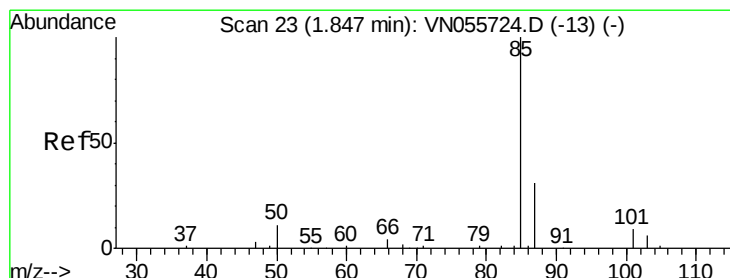
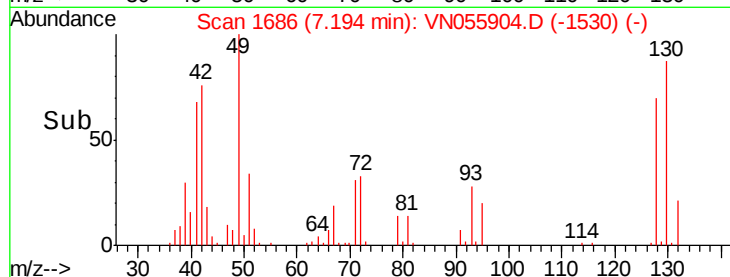
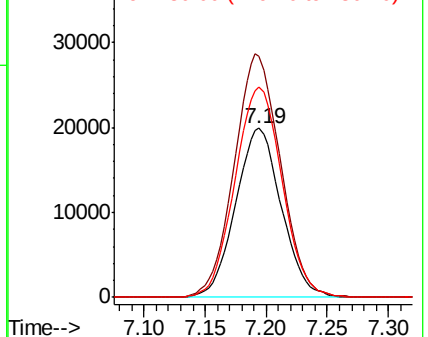
128 100

49 145.5 0.0 383.2

130 128.2 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: 19.585 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055904.D

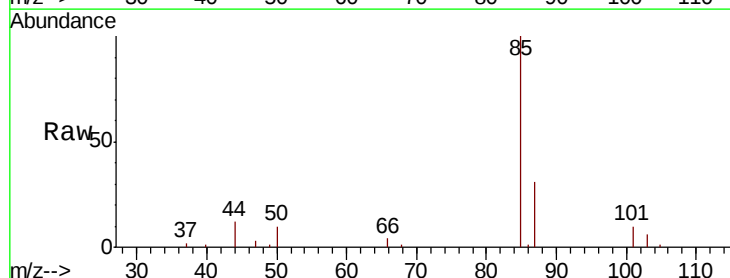
Acq: 30 May 2019 17:04

Tgt Ion: 85 Resp: 44367

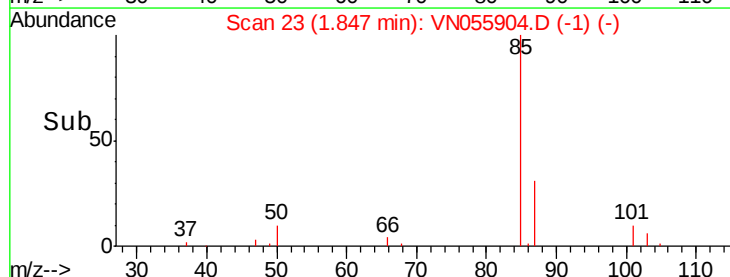
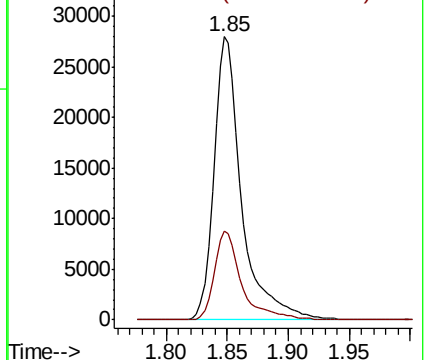
Ion Ratio Lower Upper

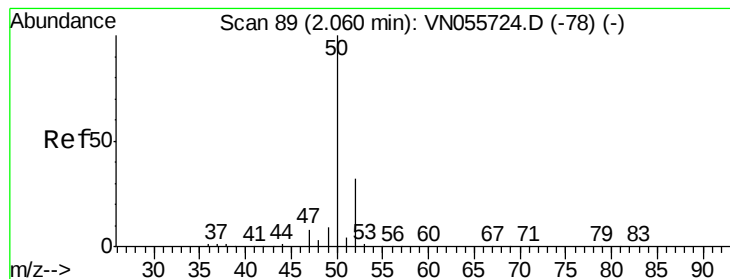
85 100

87 31.4 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: 18.528 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

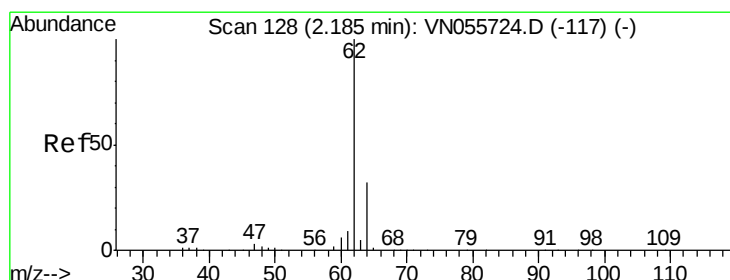
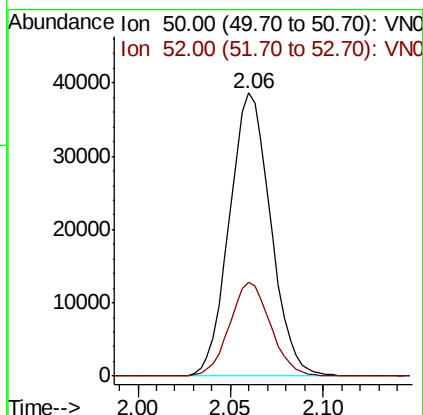
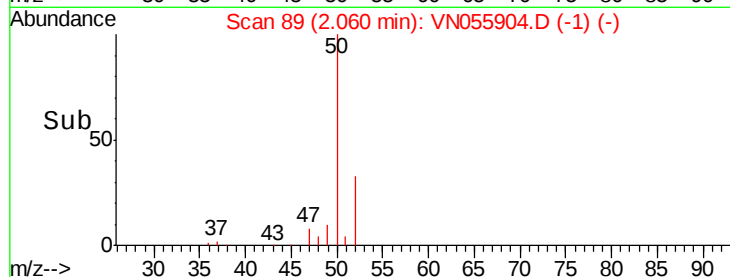
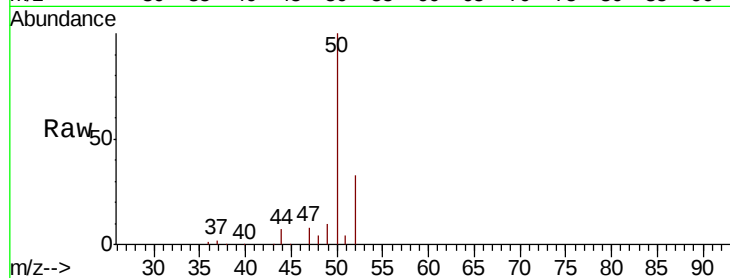
ClientSampled :

Tot Ion: 50 Resp: 59701

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



#4

Vinyl Chloride

Concen: 19.693 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055904.D

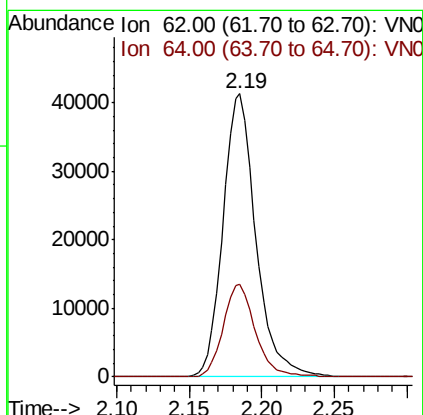
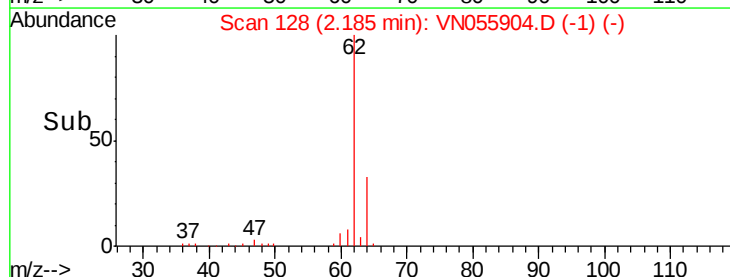
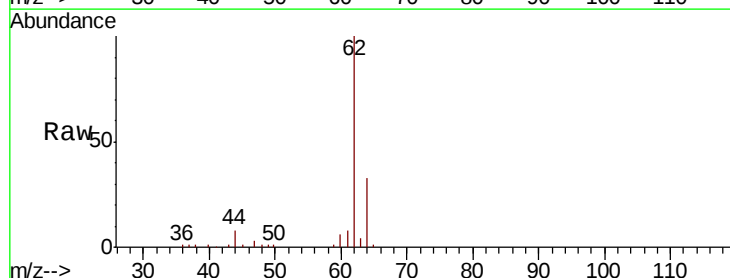
Acq: 30 May 2019 17:04

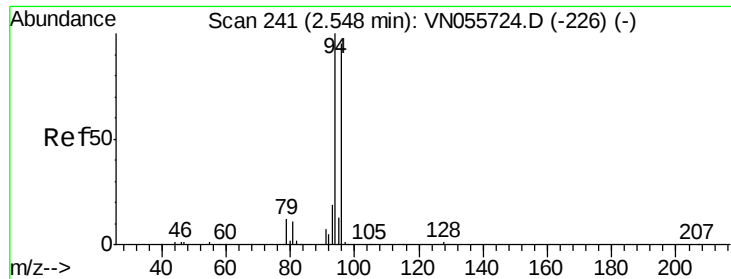
Tgt Ion: 62 Resp: 64763

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 22.225 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

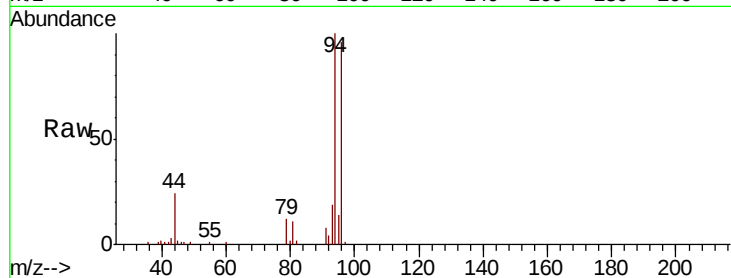
ClientSampleId :

Tot Ion: 94 Resp: 42794

Ion Ratio Lower Upper

94 100

96 95.7 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN055724.D (-226) (-)

Ion 96.00 (95.70 to 96.70): VN055724.D (-226) (-)

25000

20000

15000

10000

5000

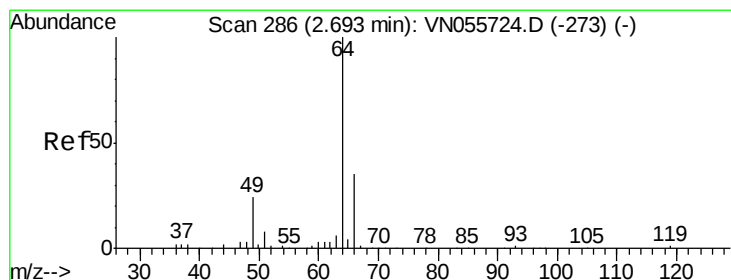
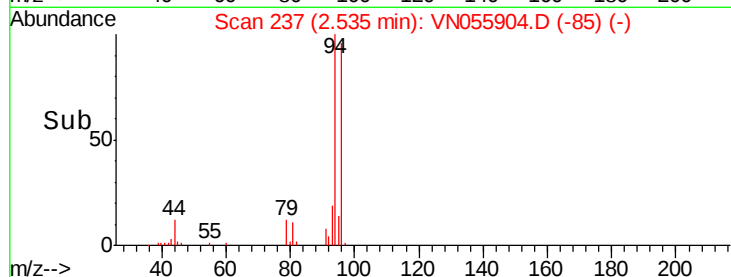
0

2.50

2.55

2.60

Time-->



#6

Chloroethane

Concen: 20.967 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN055904.D

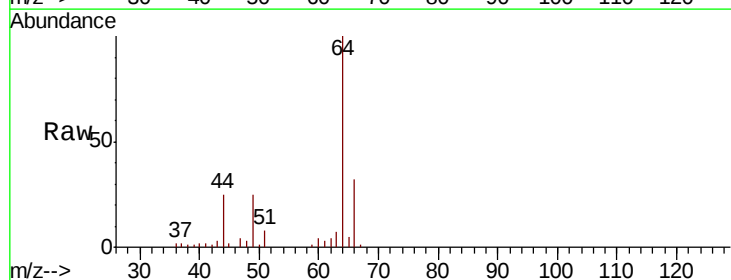
Acq: 30 May 2019 17:04

Tgt Ion: 64 Resp: 40281

Ion Ratio Lower Upper

64 100

66 32.1 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN055724.D (-273) (-)

Ion 66.00 (65.70 to 66.70): VN055724.D (-273) (-)

20000

15000

10000

5000

0

2.60

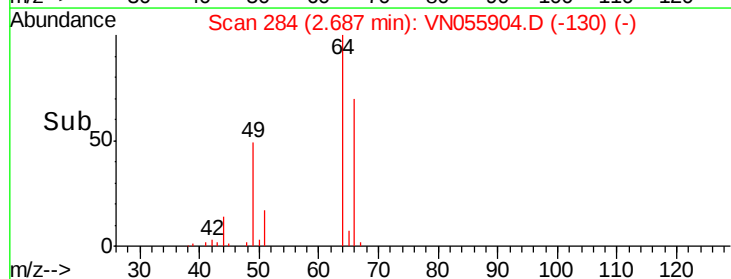
2.65

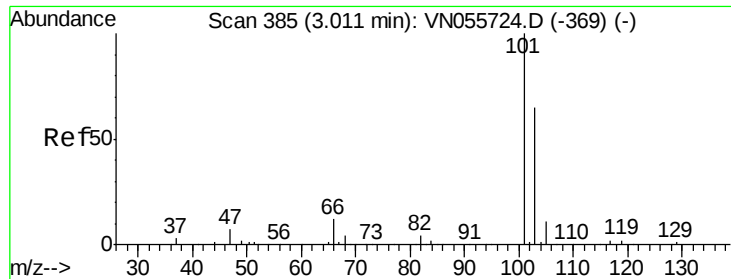
2.70

2.75

2.80

Time-->



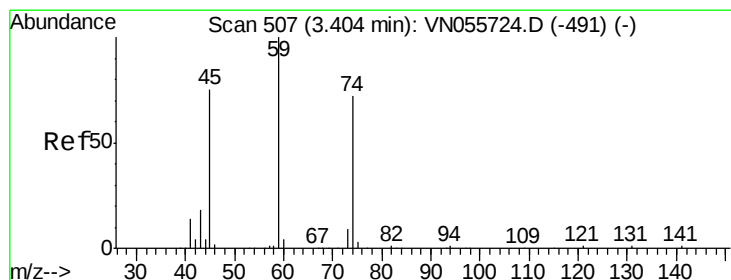
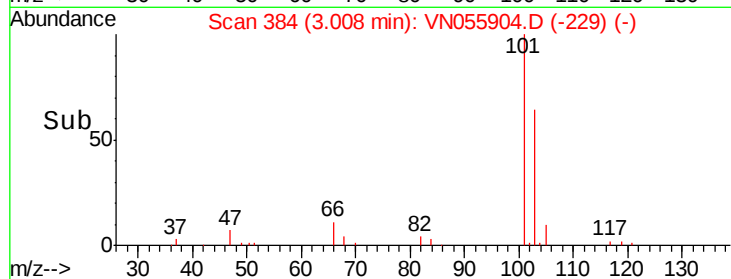
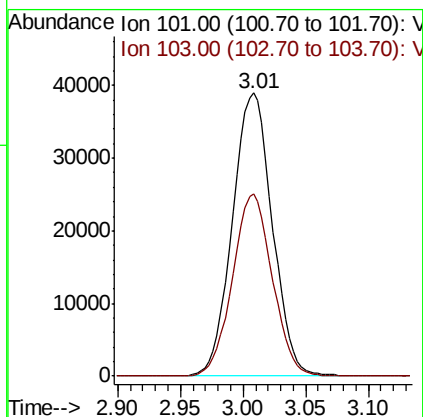
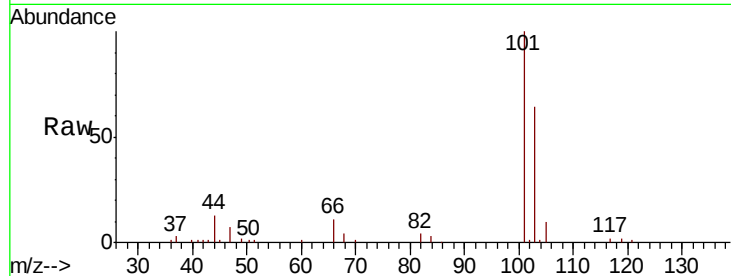


#7

Trichlorofluoromethane
 Concen: 20.875 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
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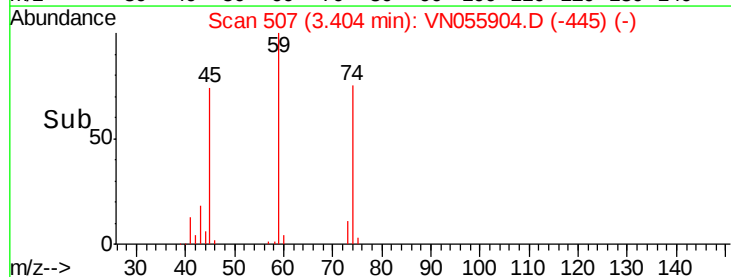
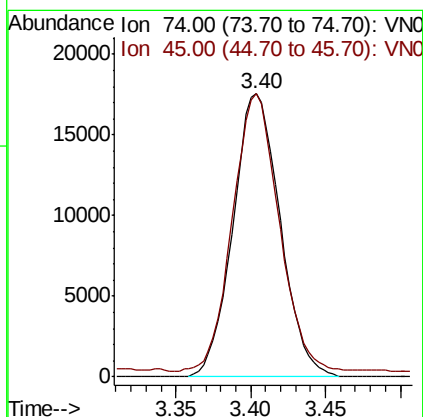
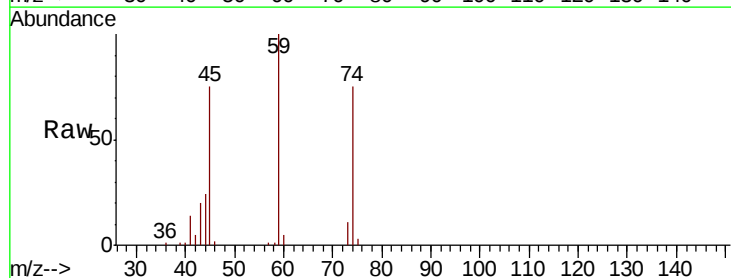
Tot Ion:101 Resp: 86126
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.6 78.8

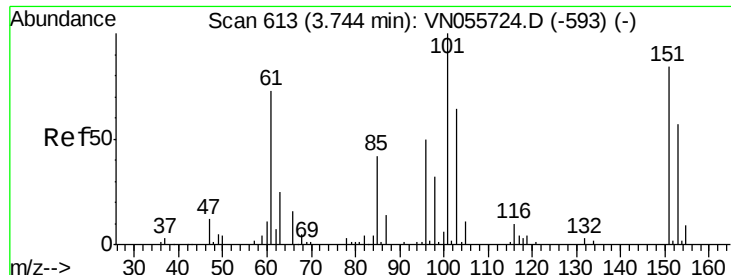


#8

Diethyl Ether
 Concen: 21.233 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 74 Resp: 38512
 Ion Ratio Lower Upper
 74 100
 45 96.8 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.618 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

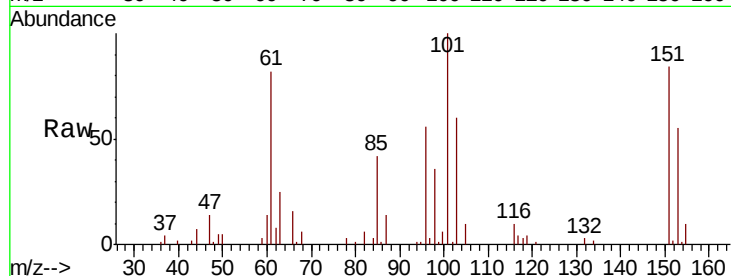
Tot Ion:101 Resp: 53751

Ion Ratio Lower Upper

101 100

85 42.6 0.0 86.6

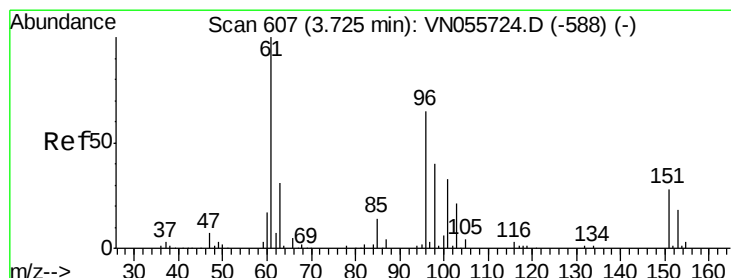
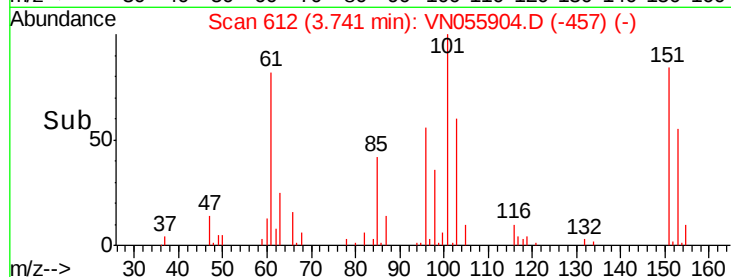
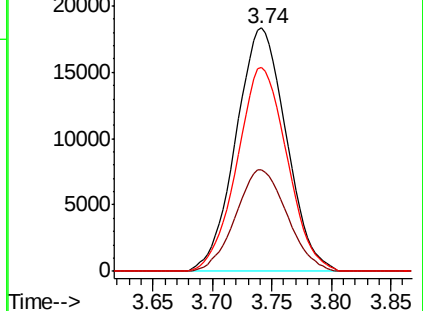
151 83.2 0.0 172.2



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: 19.889 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

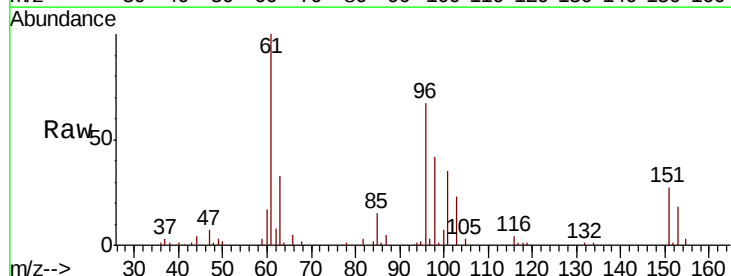
Tgt Ion: 96 Resp: 54241

Ion Ratio Lower Upper

96 100

61 148.7 123.7 185.5

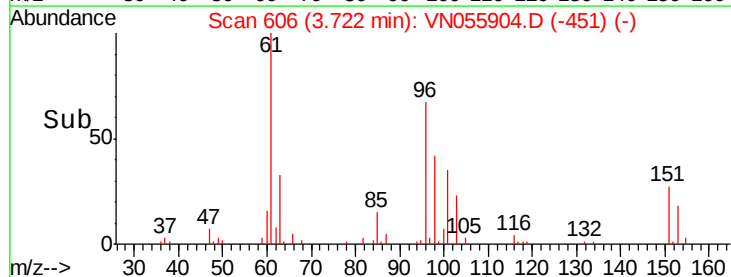
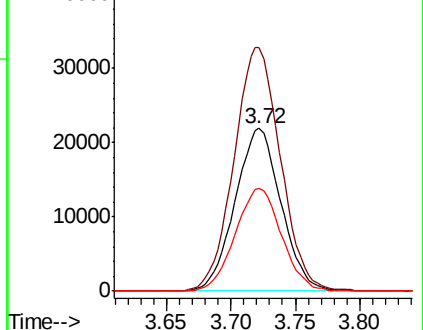
98 62.8 50.0 75.0

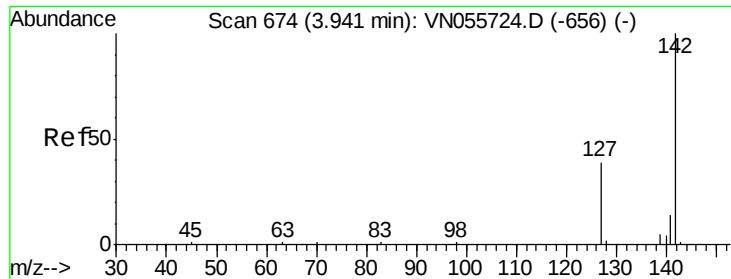


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

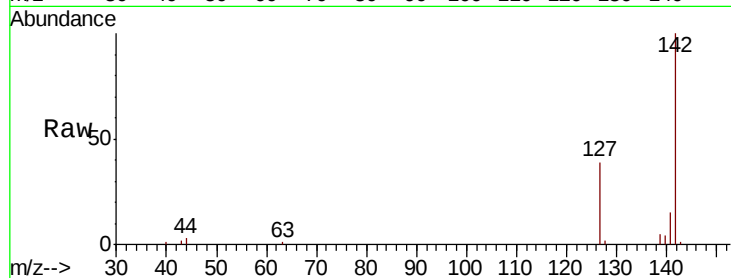




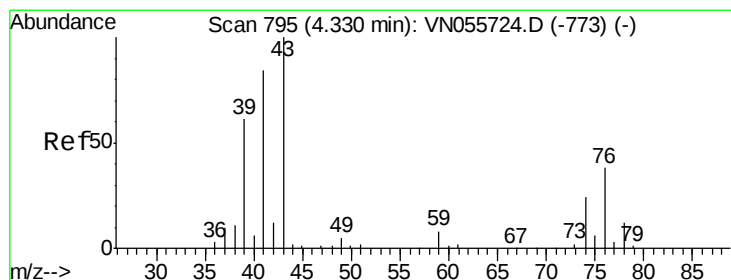
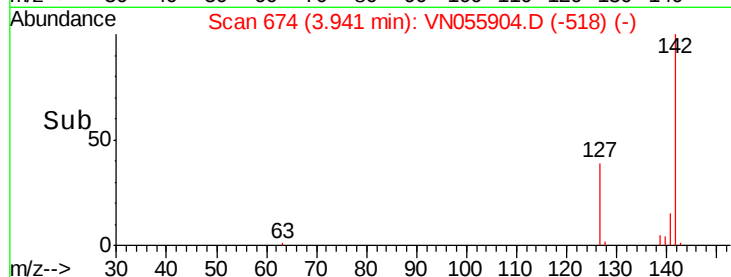
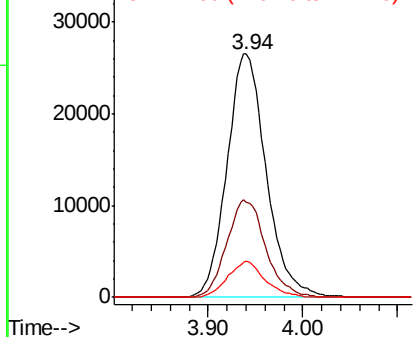
#11
Methyl Iodide
Concen: 19.664 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 76501
Ion Ratio Lower Upper
142 100
127 39.5 19.6 58.7
141 14.7 6.9 20.6

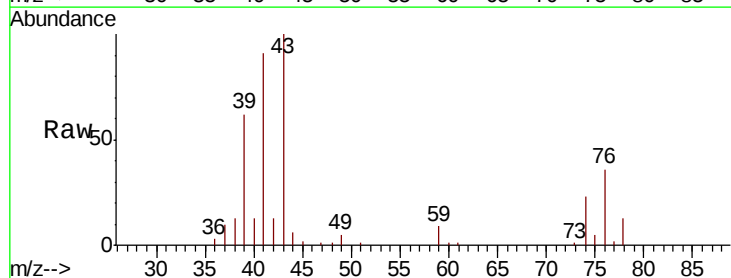


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

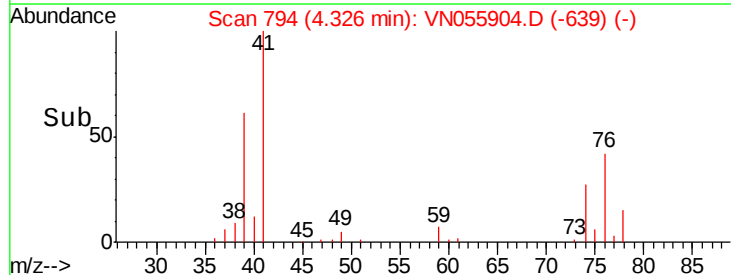
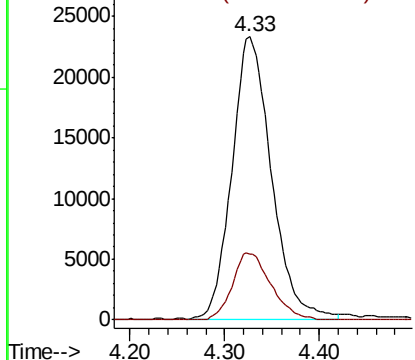


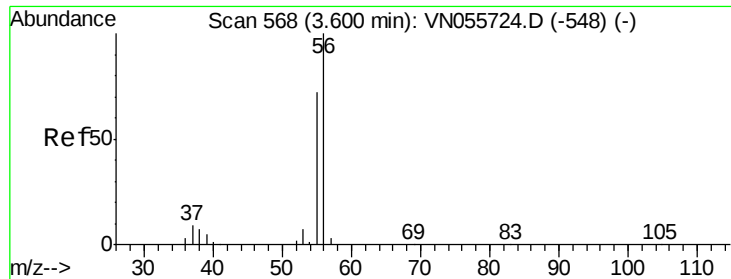
#12
Methyl Acetate
Concen: 20.406 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 43 Resp: 68063
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8



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

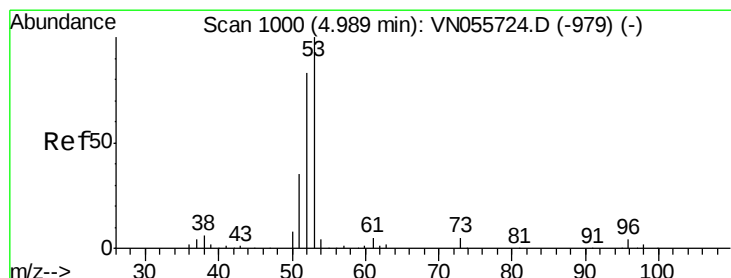
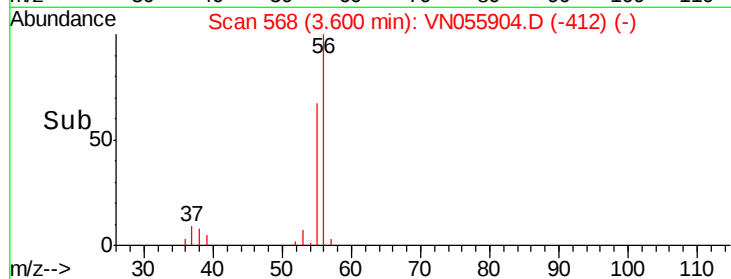
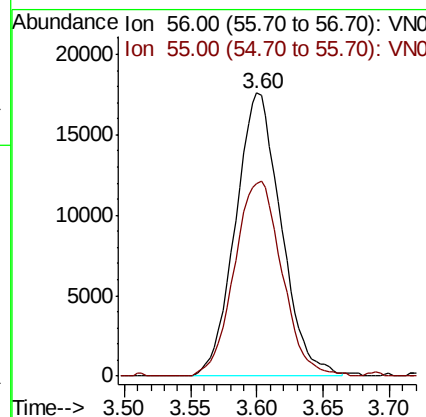
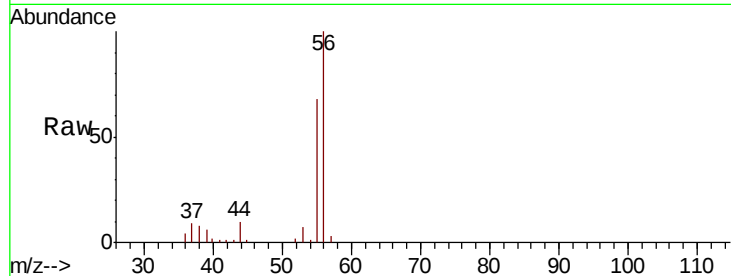




#13
Acrolein
Concen: 90.909 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

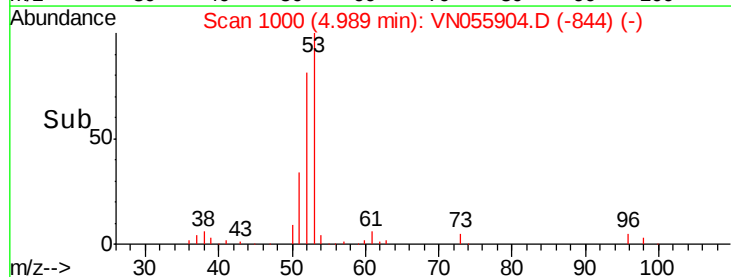
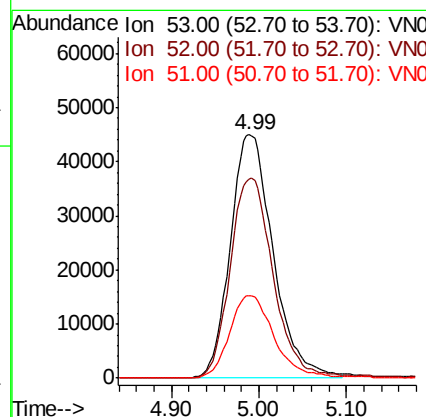
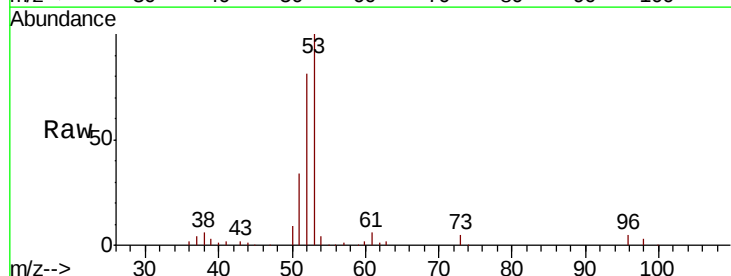
Instrument :
MSVOA_N
ClientSampleId :

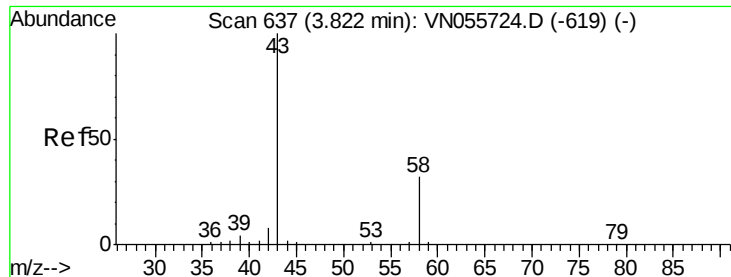
Tot Ion: 56 Resp: 42131
Ion Ratio Lower Upper
56 100
55 71.8 57.0 85.6



#14
Acrylonitrile
Concen: 100.517 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 53 Resp: 152850
Ion Ratio Lower Upper
53 100
52 81.9 41.1 123.4
51 35.1 17.5 52.6





#15

Acetone

Concen: 102.285 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

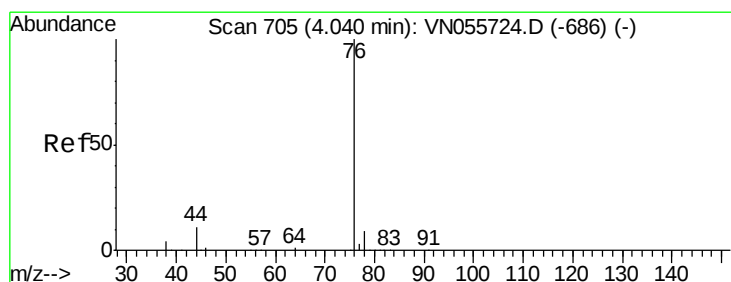
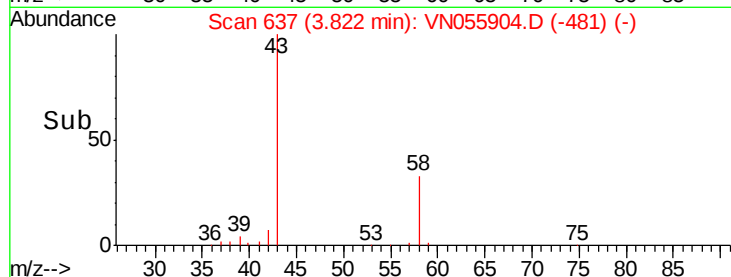
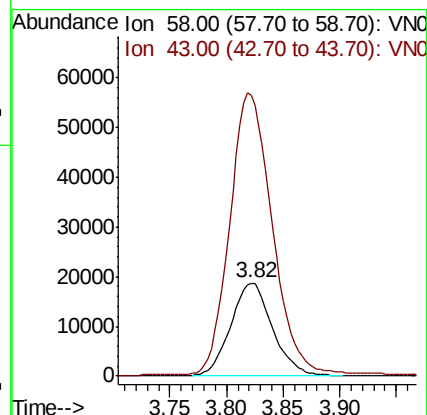
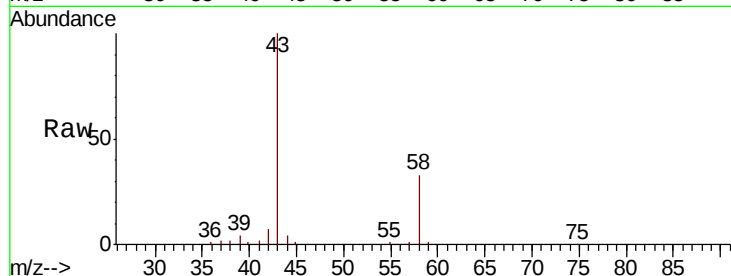
ClientSampled :

Tot Ion: 58 Resp: 48305

Ion Ratio Lower Upper

58 100

43 300.3 248.8 373.2



#16

Carbon Disulfide

Concen: 16.521 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055904.D

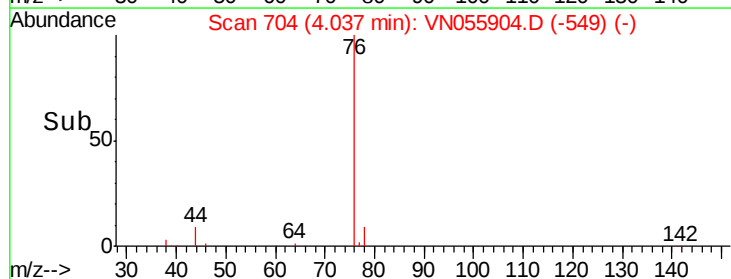
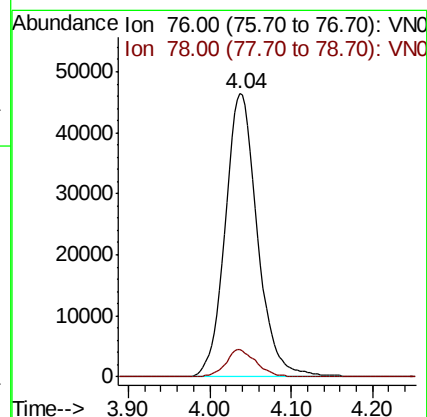
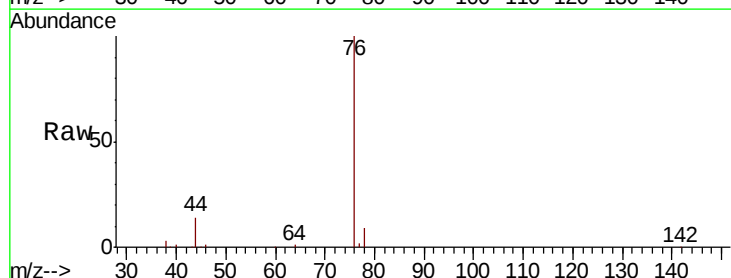
Acq: 30 May 2019 17:04

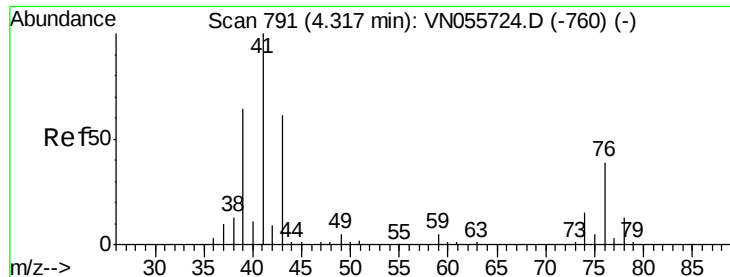
Tgt Ion: 76 Resp: 129176

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

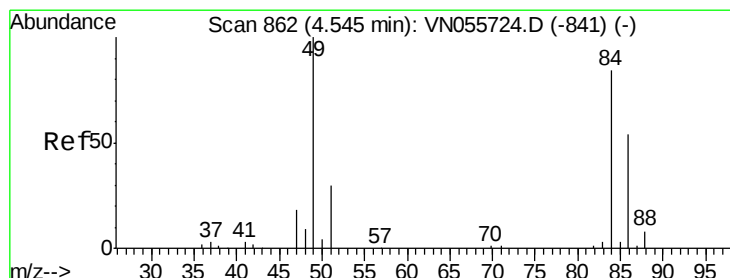
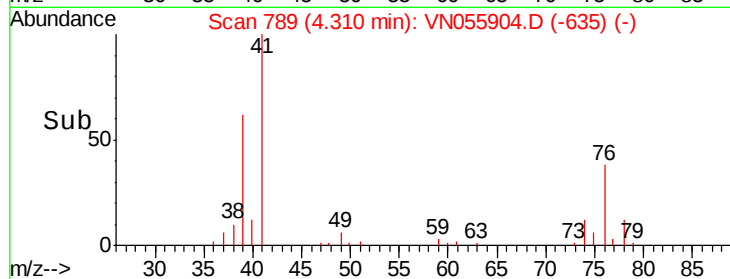
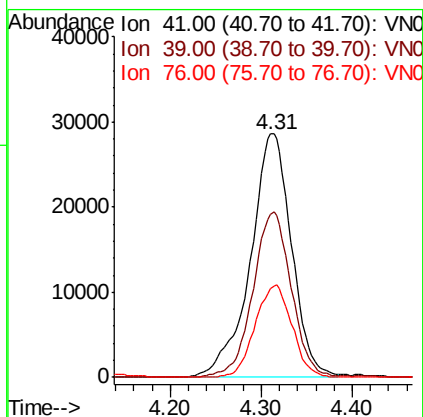
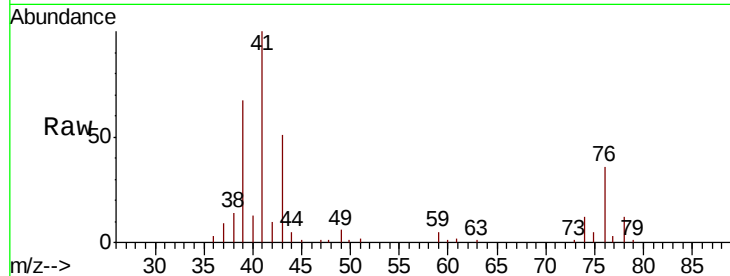




#17
Allvl chloride
Concen: 18.293 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

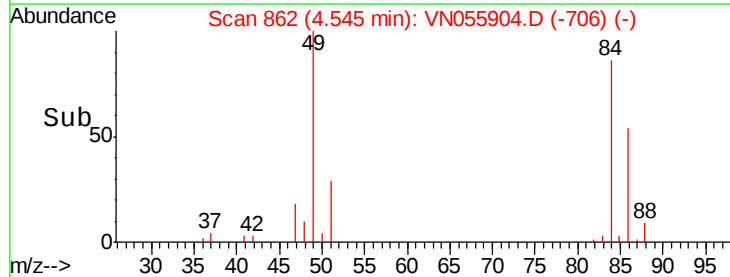
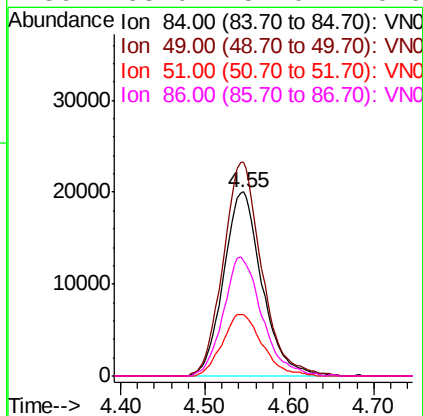
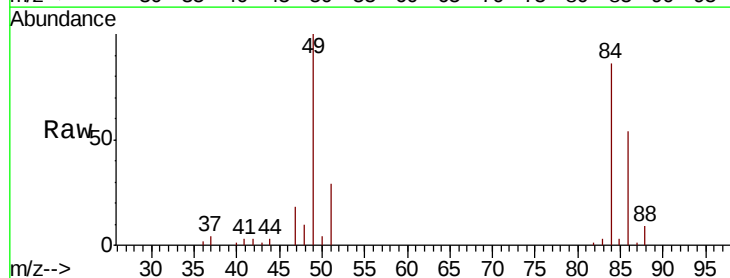
Instrument :
MSVOA_N
ClientSampleId :

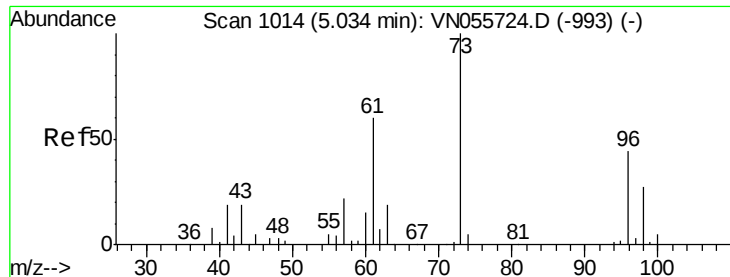
Tot Ion: 41 Resp: 89850
Ion Ratio Lower Upper
41 100
39 67.1 31.8 95.3
76 36.2 19.3 57.9



#18
Methylene Chloride
Concen: 20.306 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 84 Resp: 63422
Ion Ratio Lower Upper
84 100
49 116.2 94.7 142.1
51 33.1 28.6 43.0
86 63.0 51.0 76.6

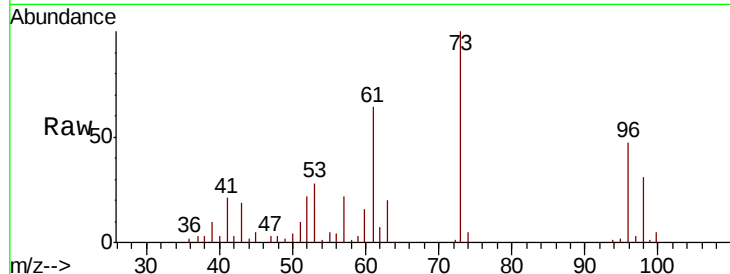




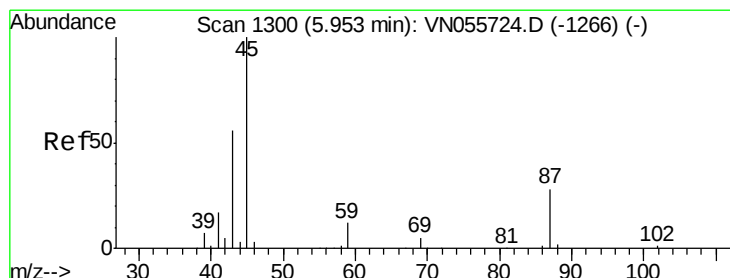
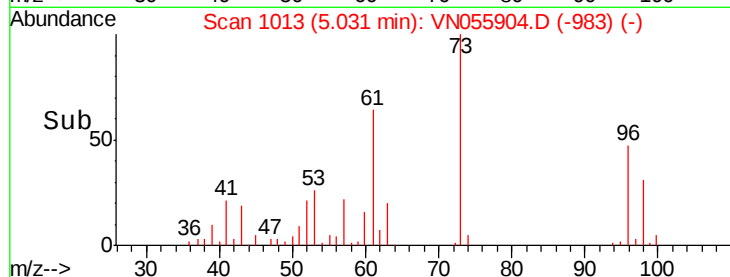
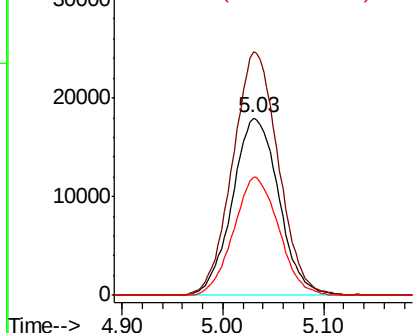
#19
trans-1,2-Dichloroethene
Concen: 19.520 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 57266
Ion Ratio Lower Upper
96 100
61 136.3 108.5 162.7
98 66.5 49.4 74.2

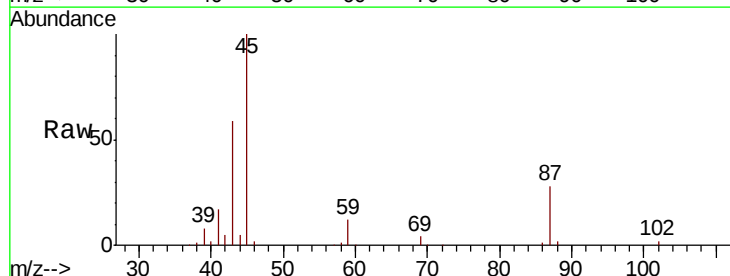


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

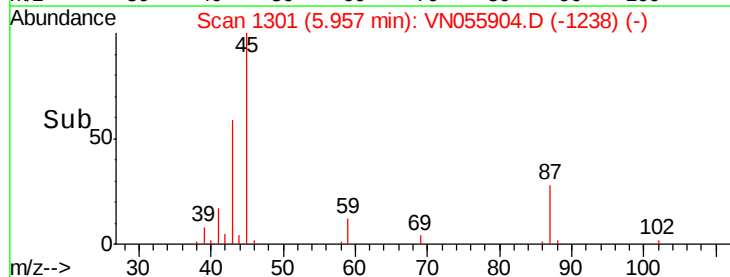
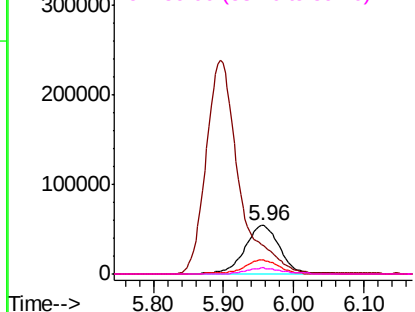


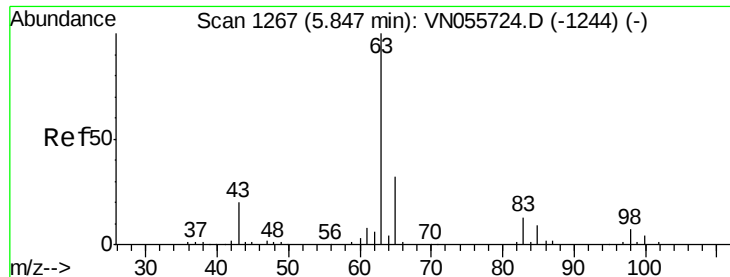
#20
Diisopropyl ether
Concen: 19.646 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 45 Resp: 187189
Ion Ratio Lower Upper
45 100
43 56.7 48.6 73.0
87 27.5 22.6 34.0
59 12.2 9.4 14.2



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

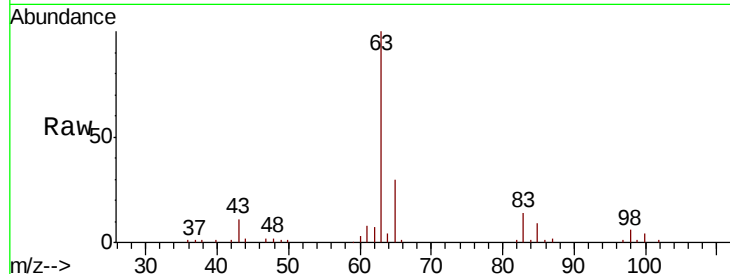




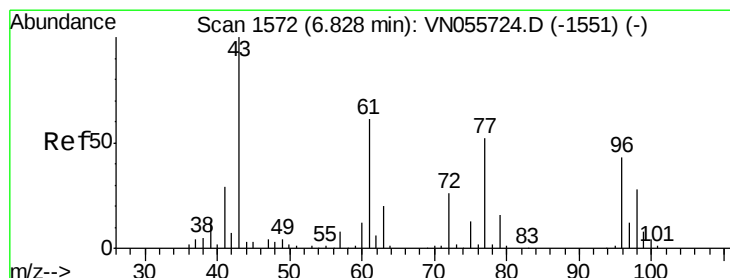
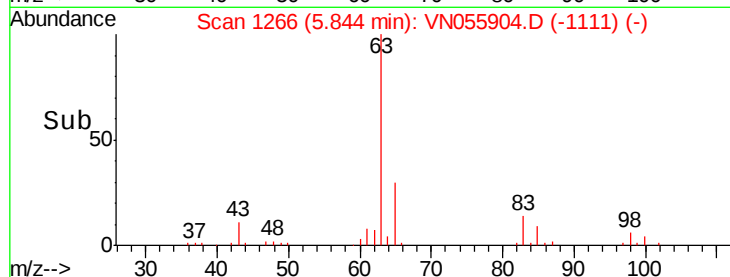
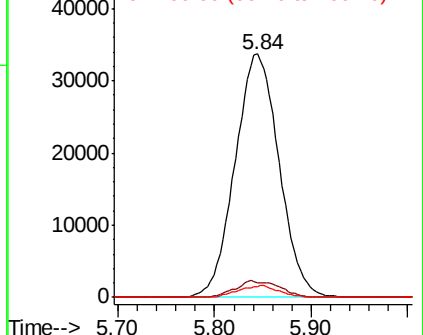
#21
 1,1-Dichloroethane
 Concen: 19.834 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 106806
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.4 10.2
 100 4.4 2.2 6.6

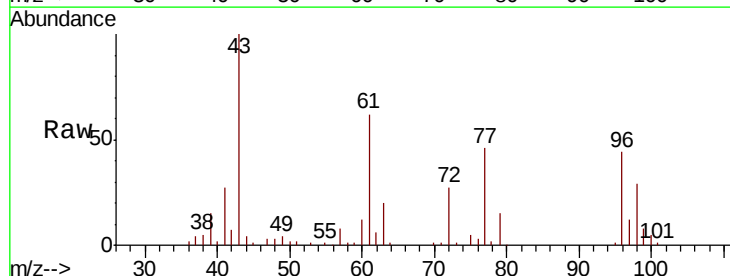


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

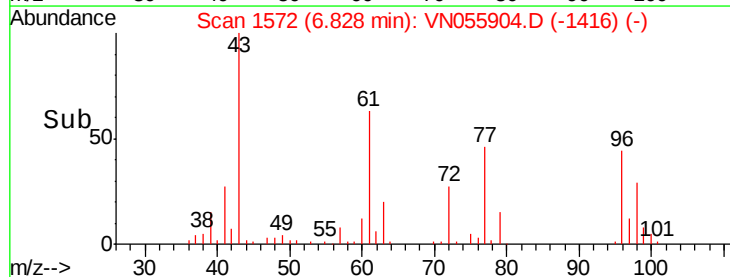
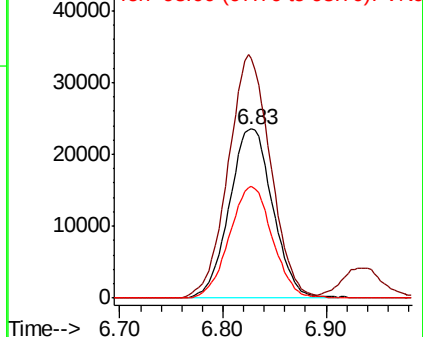


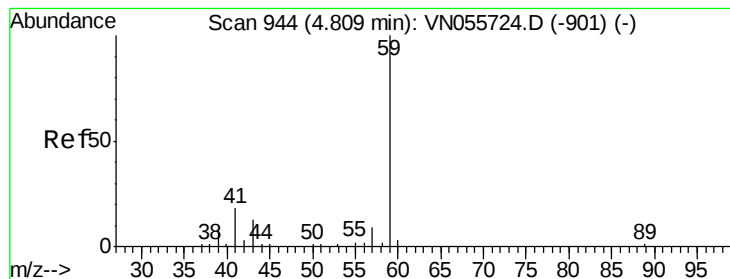
#22
 cis-1,2-Dichloroethene
 Concen: 20.140 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 96 Resp: 68909
 Ion Ratio Lower Upper
 96 100
 61 140.5 115.7 173.5
 98 65.2 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 92.323 ug/l

RT: 4.82 min Scan# 946

Delta R.T. 0.01 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

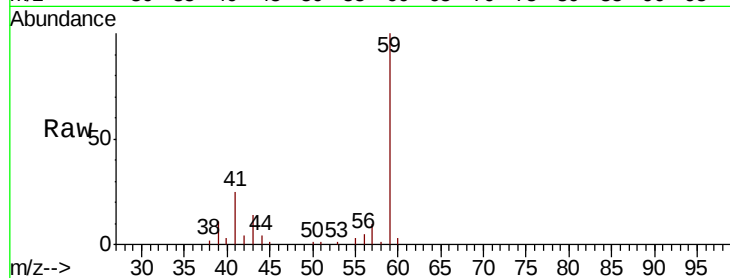
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 61656

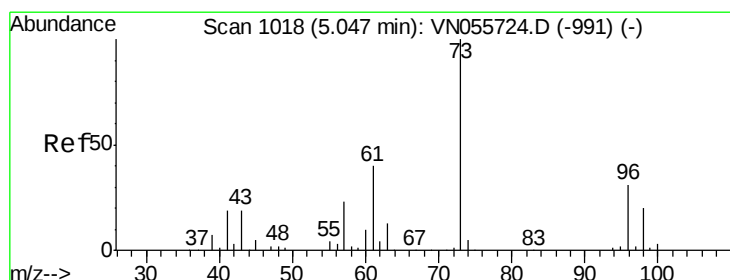
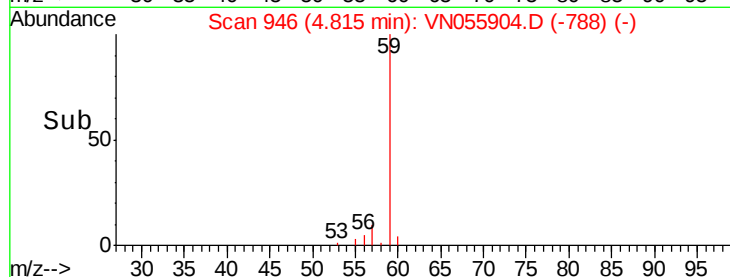
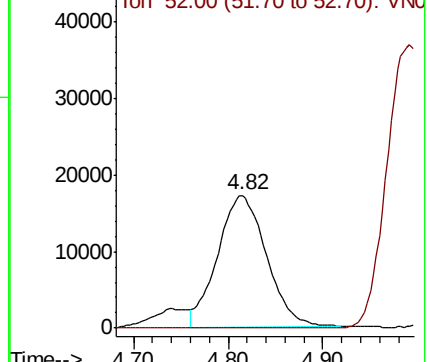
Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN055724.D (-901) (-)



#24

Methyl tert-Butyl Ether

Concen: 19.795 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055904.D

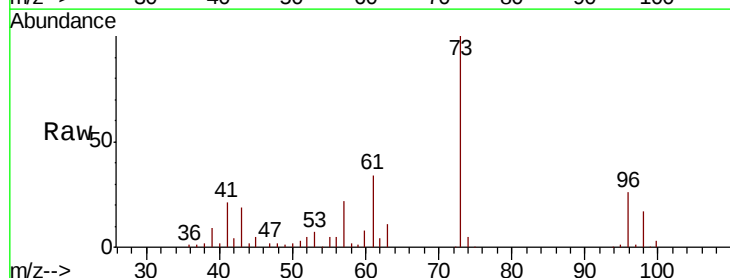
Acq: 30 May 2019 17:04

Tgt Ion: 73 Resp: 183174

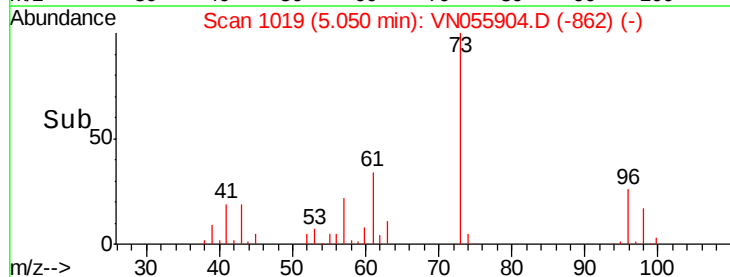
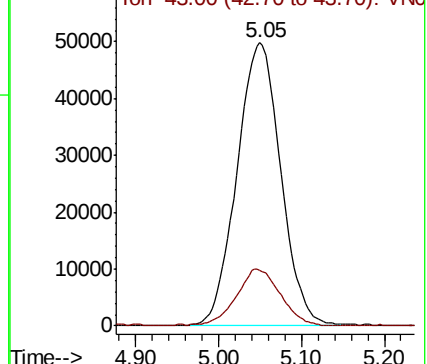
Ion Ratio Lower Upper

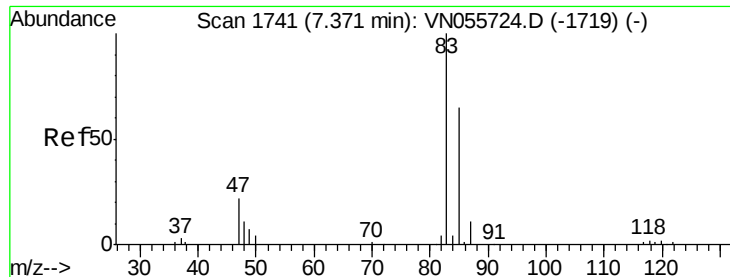
73 100

43 19.6 15.7 23.5



Abundance Ion 73.00 (72.70 to 73.70): VN055724.D (-991) (-)

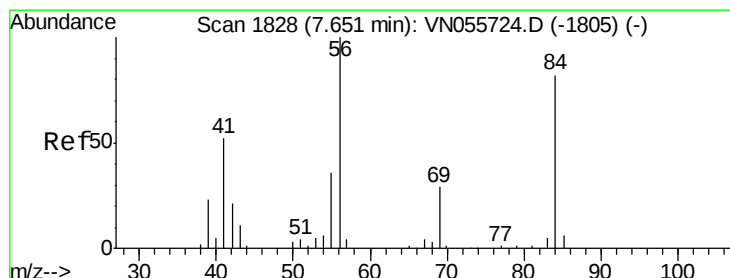
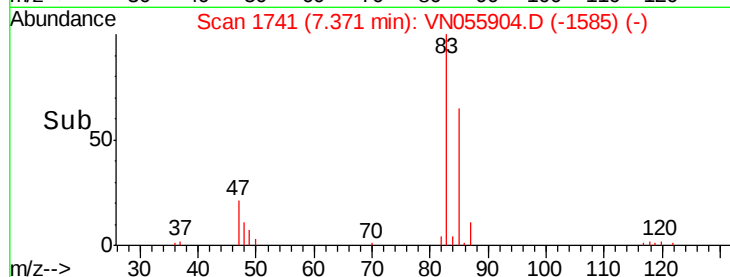
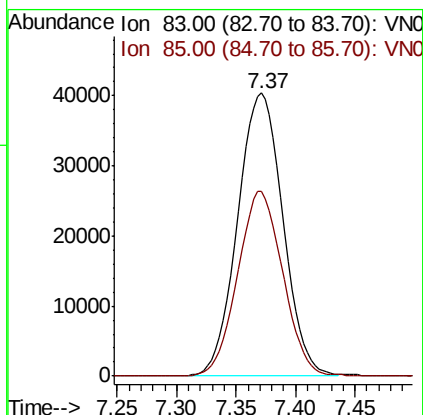
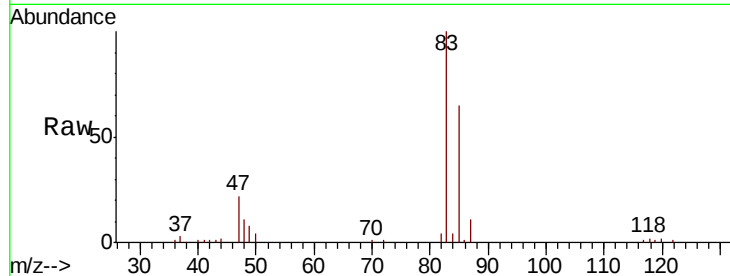




#25
Chloroform
Concen: 20.035 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

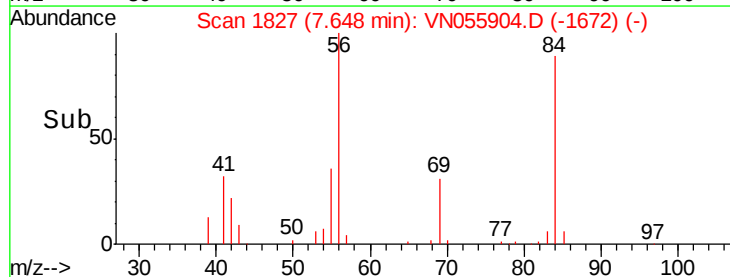
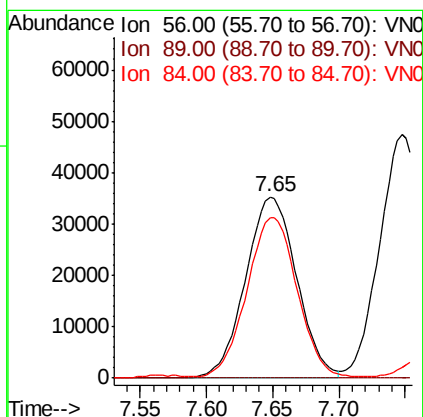
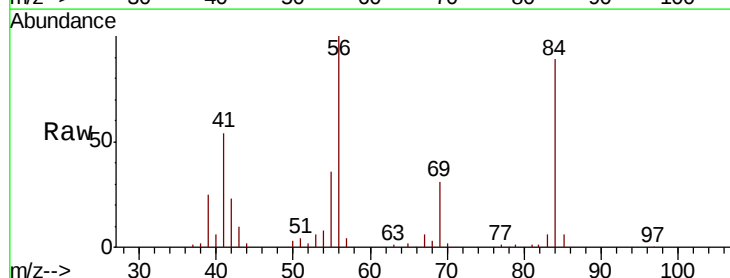
Instrument :
MSVOA_N
ClientSampleId :

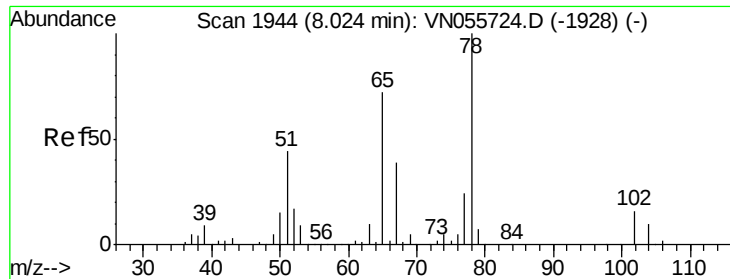
Tot Ion: 83 Resp: 106560
Ion Ratio Lower Upper
83 100
85 65.2 51.7 77.5



#26
Cyclohexane
Concen: 19.109 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 56 Resp: 94934
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.8 67.2 100.8





#27

1,2-Dichloroethane-d4

Concen: 30.214 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

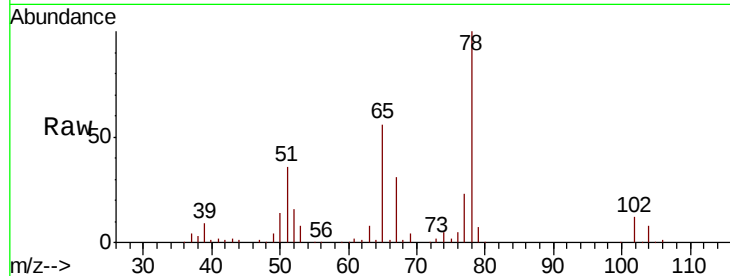
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 102036

Ion Ratio Lower Upper

65 100

67 54.3 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) (-)

8.03

40000

30000

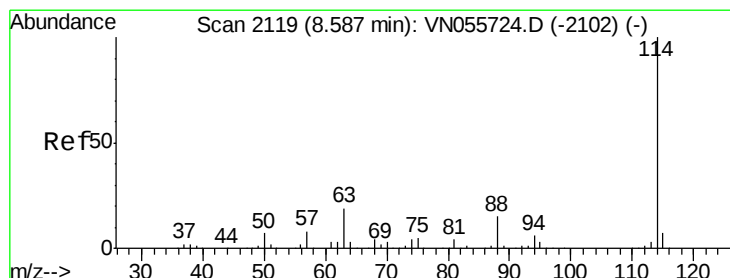
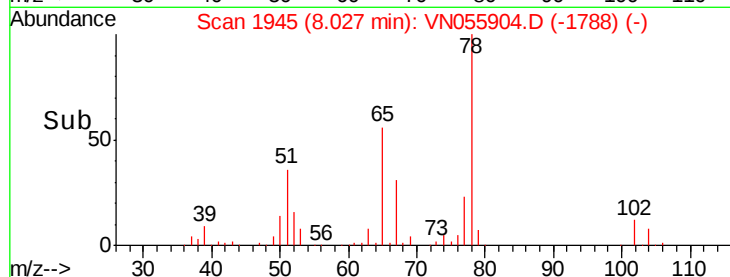
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

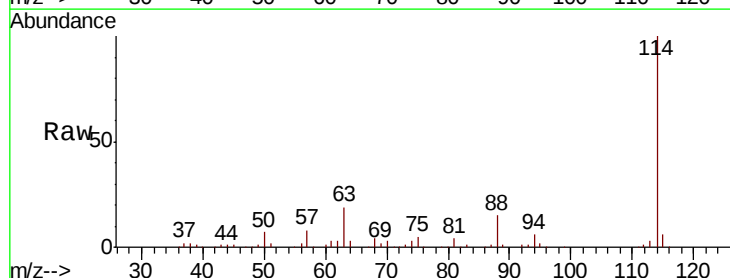
Tgt Ion: 114 Resp: 278619

Ion Ratio Lower Upper

114 100

63 19.0 15.6 23.4

88 14.9 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) (-)

8.59

150000

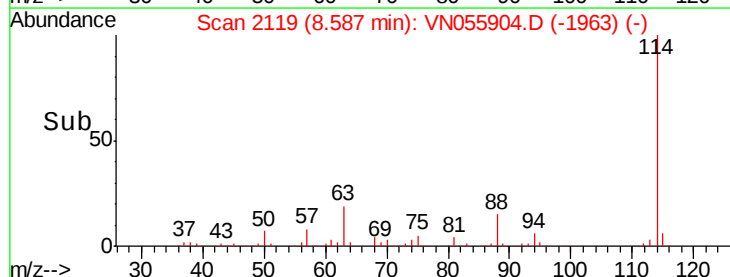
100000

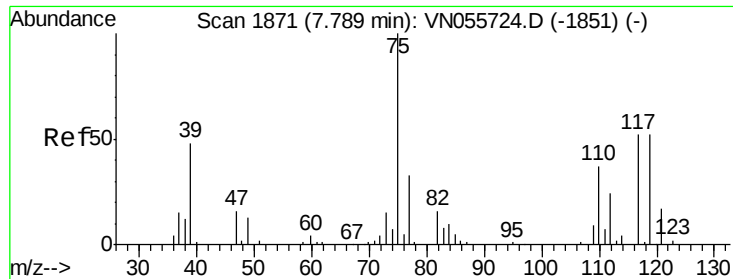
50000

0

8.50 8.60 8.70

Time-->

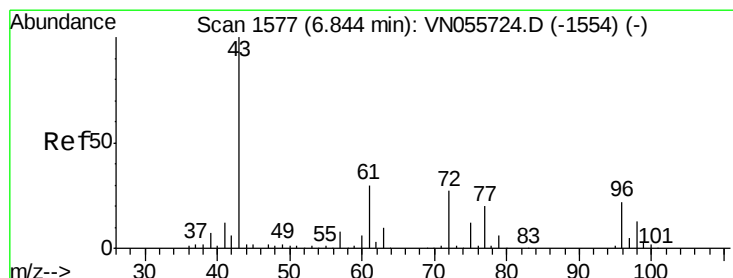
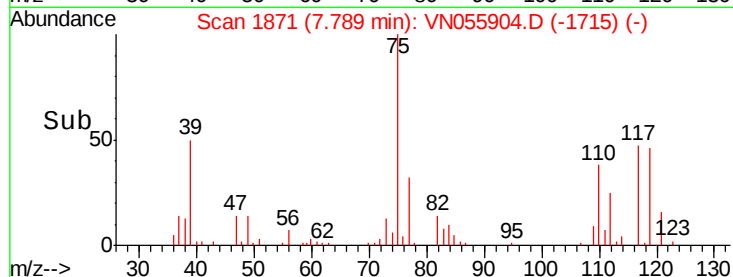
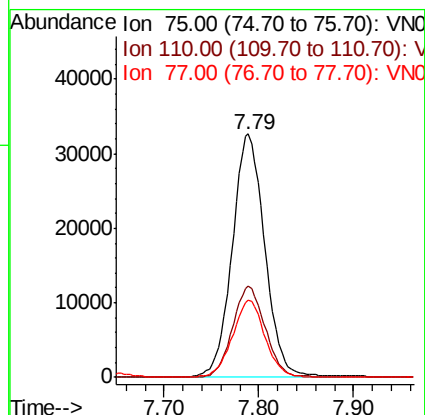
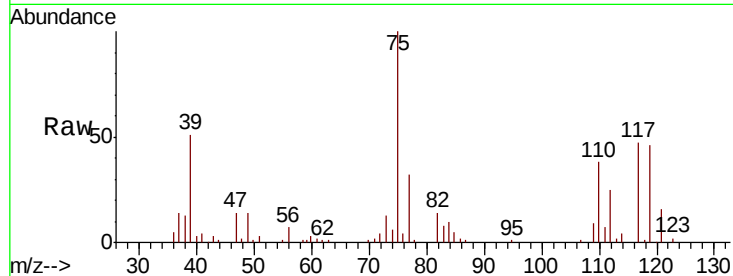




#29
 1,1-Dichloropropene
 Concen: 20.069 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

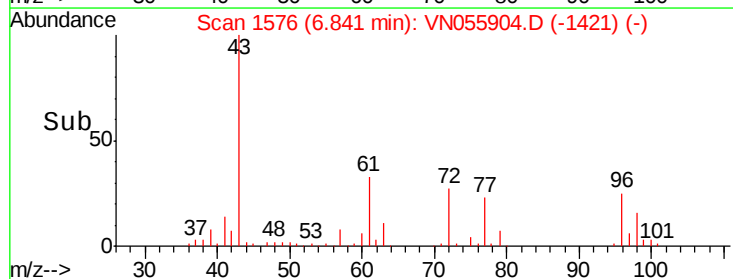
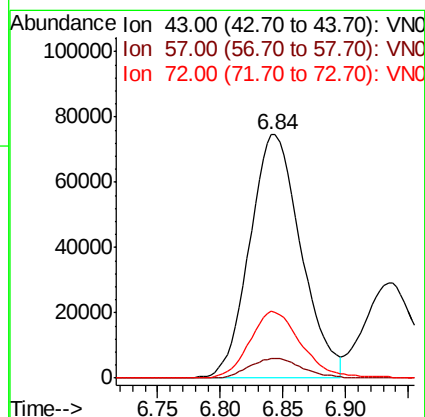
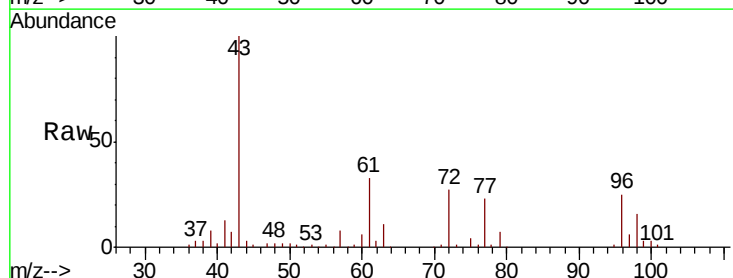
Instrument :
 MSVOA_N
 ClientSampled :

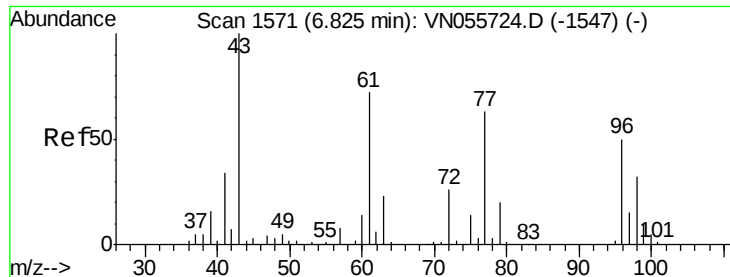
Tot Ion: 75 Resp: 78278
 Ion Ratio Lower Upper
 75 100
 110 37.3 0.0 74.8
 77 31.5 0.0 65.2



#30
 2-Butanone
 Concen: 101.544 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 43 Resp: 211104
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.6 10.0
 72 27.9 21.7 32.5

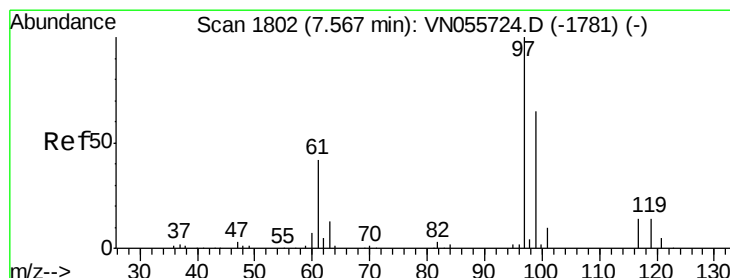
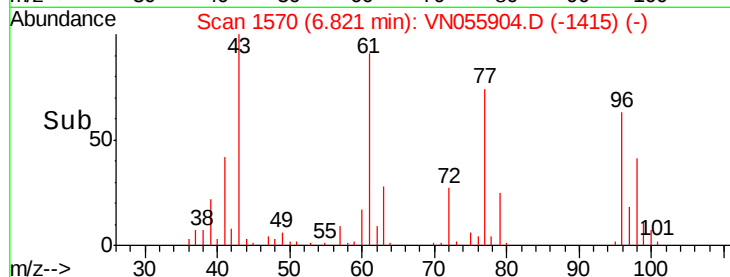
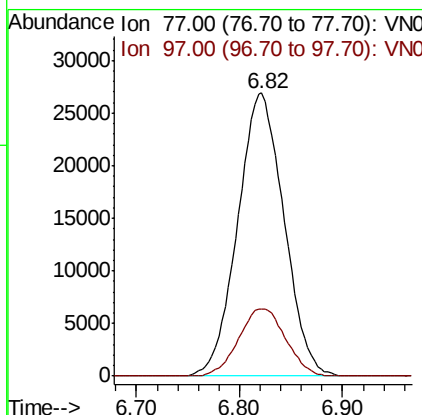
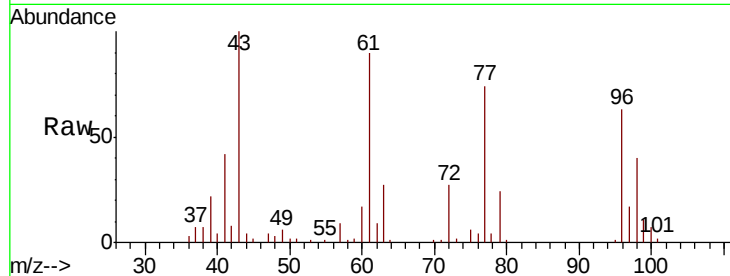




#31
 2,2-Dichloropropane
 Concen: 18.469 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

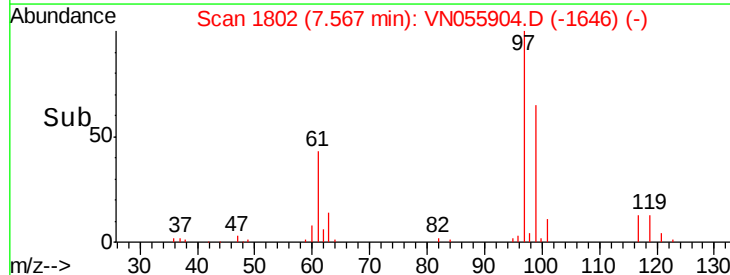
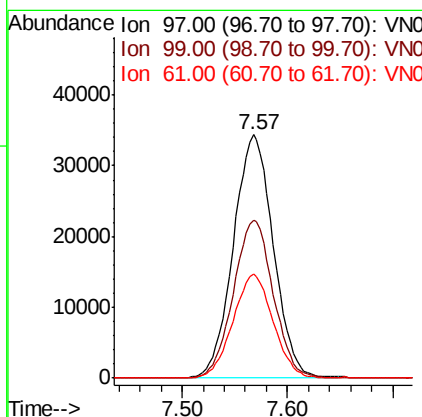
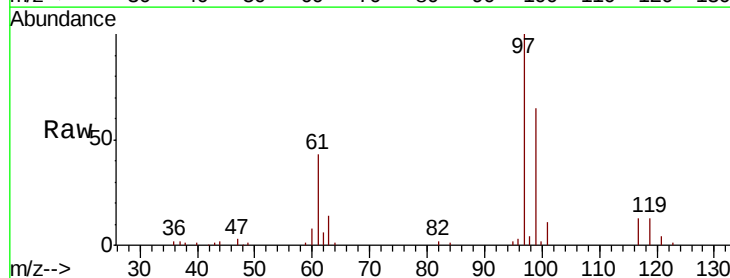
Instrument :
 MSVOA_N
 ClientSampleId :

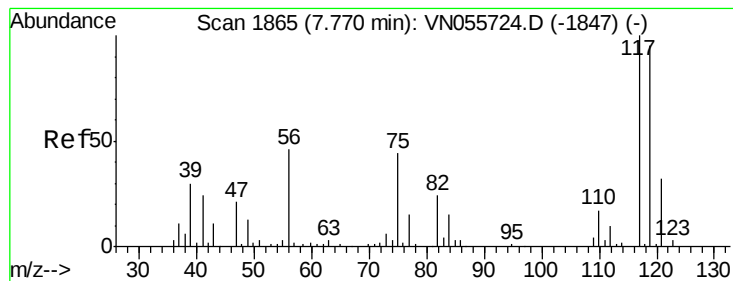
Tot Ion: 77 Resp: 83827
 Ion Ratio Lower Upper
 77 100
 97 24.2 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 19.607 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 97 Resp: 90645
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.7 77.5
 61 42.7 33.1 49.7





#33

Carbon Tetrachloride

Concen: 18.059 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

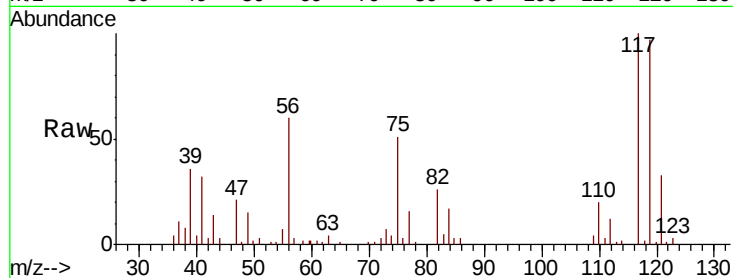
Tot Ion:117 Resp: 74683

Ion Ratio Lower Upper

117 100

119 96.6 75.8 113.8

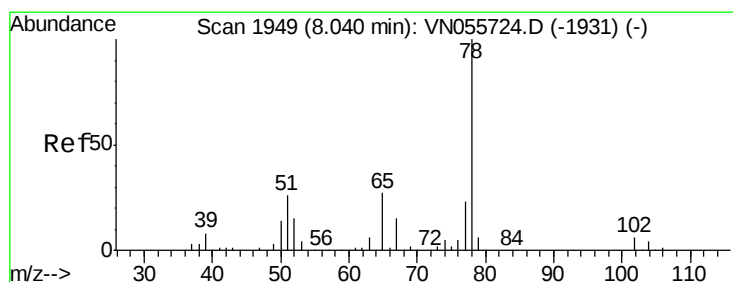
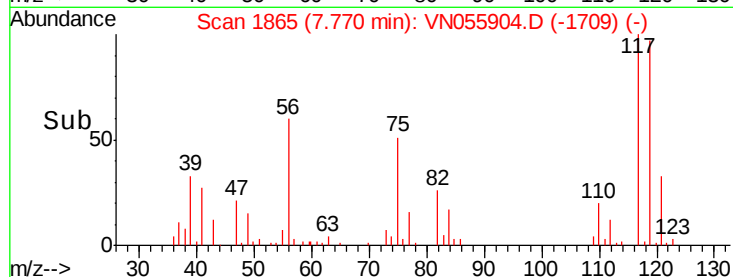
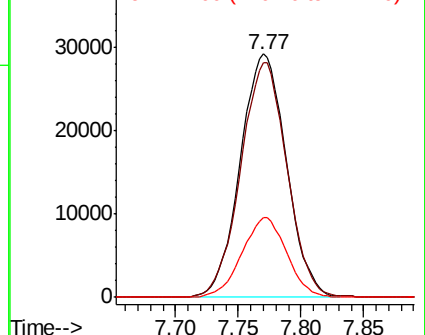
121 33.1 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.788 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

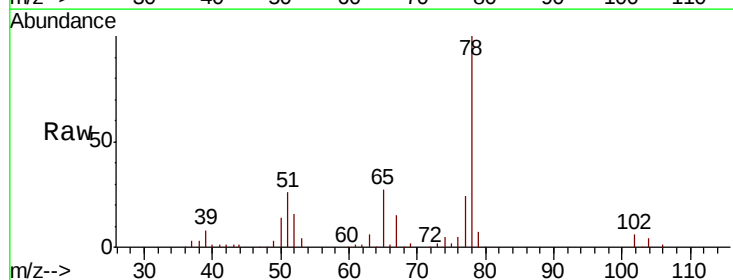
Tgt Ion: 78 Resp: 250332

Ion Ratio Lower Upper

78 100

77 24.3 18.8 28.2

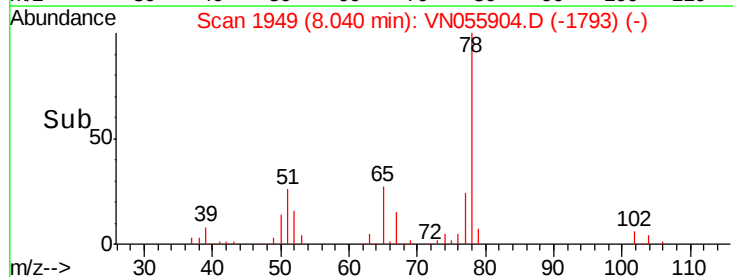
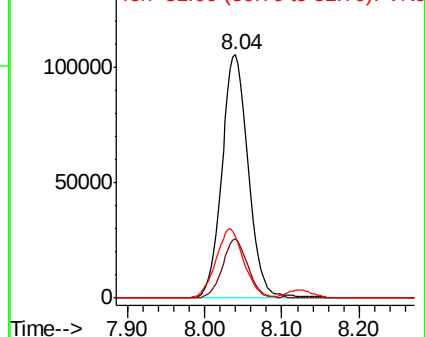
51 25.5 20.6 31.0

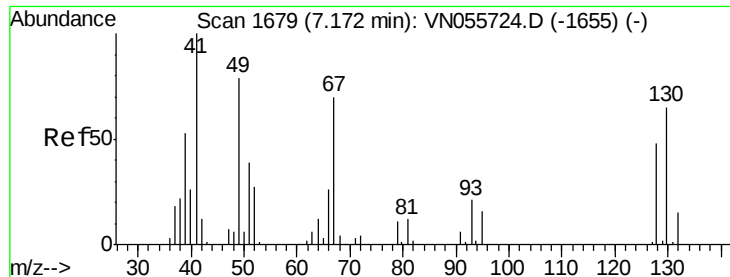


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

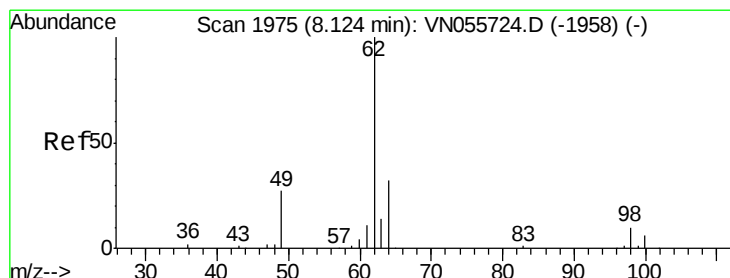
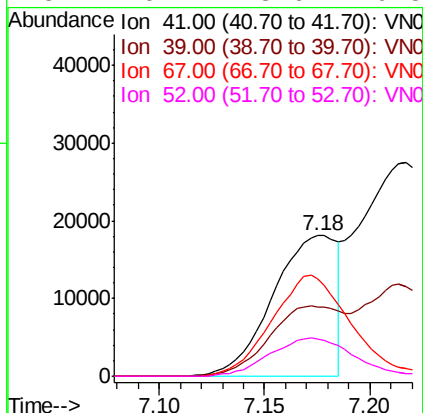
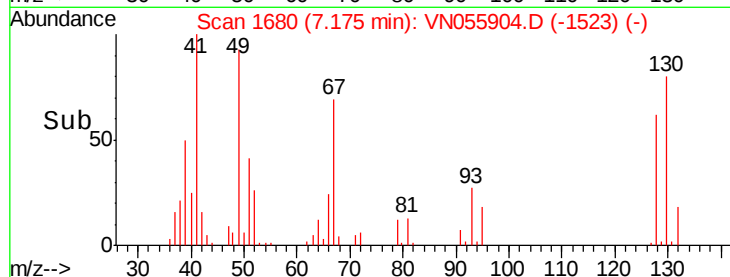
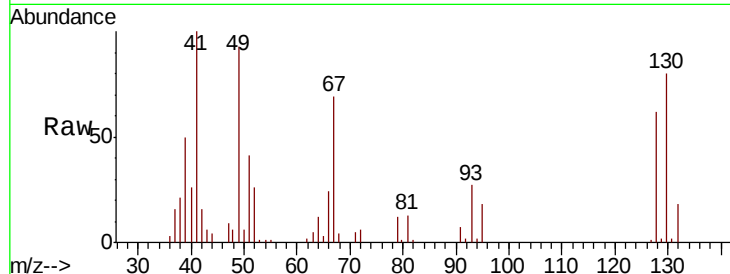




#35
Methacrylonitrile
Concen: 19.973 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

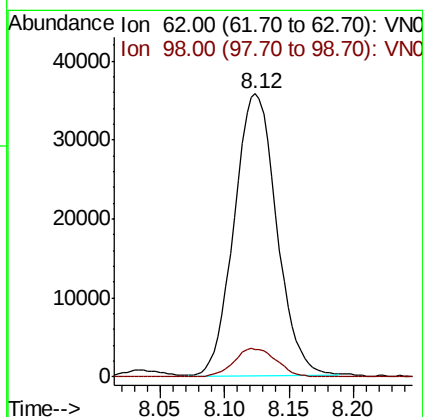
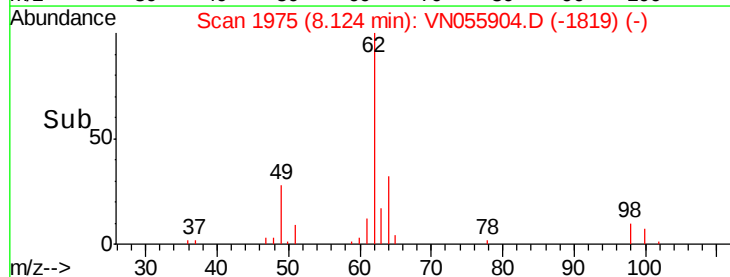
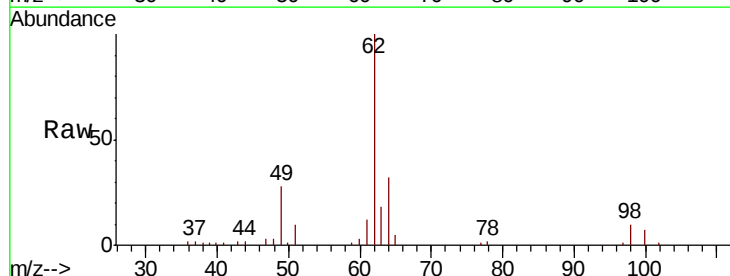
Instrument :
MSVOA_N
ClientSampled :

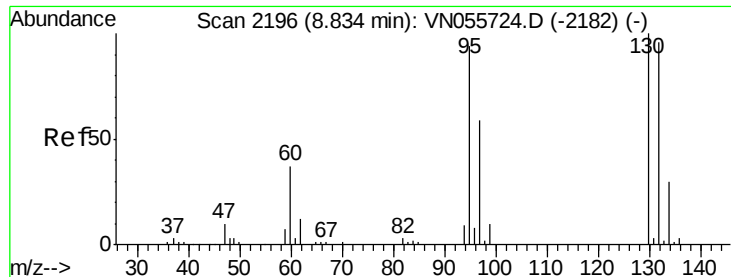
Tot Ion: 41 Resp: 38326
Ion Ratio Lower Upper
41 100
39 49.6 26.7 80.1
67 69.3 34.9 104.7
52 26.4 13.6 40.8



#36
1,2-Dichloroethane
Concen: 20.829 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 62 Resp: 81965
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.2





#37

Trichloroethene

Concen: 19.905 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

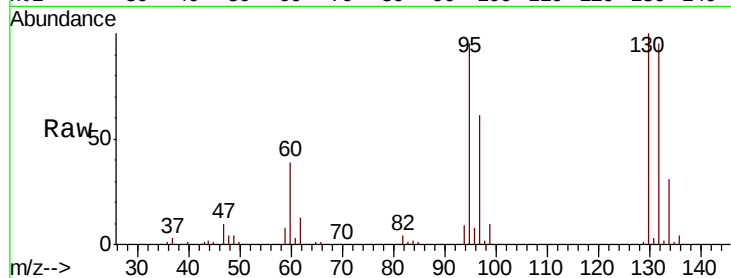
ClientSampleId :

Tot Ion:130 Resp: 66877

Ion Ratio Lower Upper

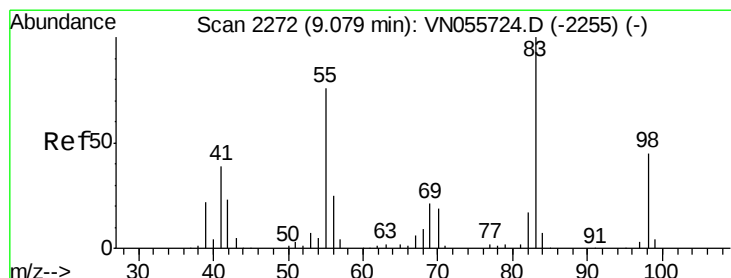
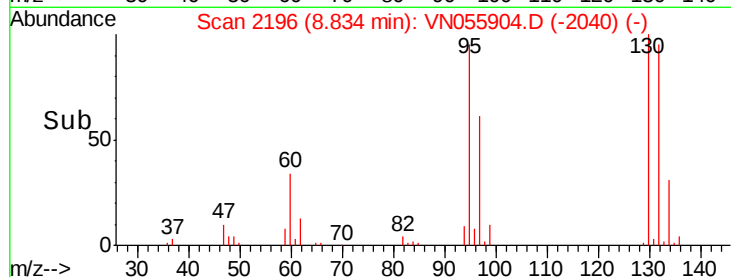
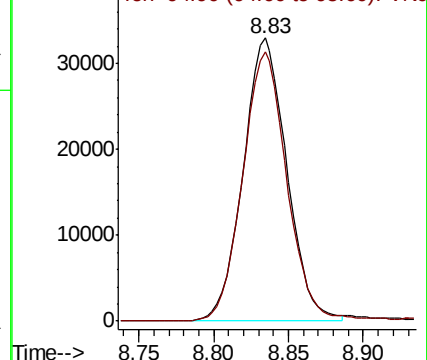
130 100

95 95.2 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.384 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

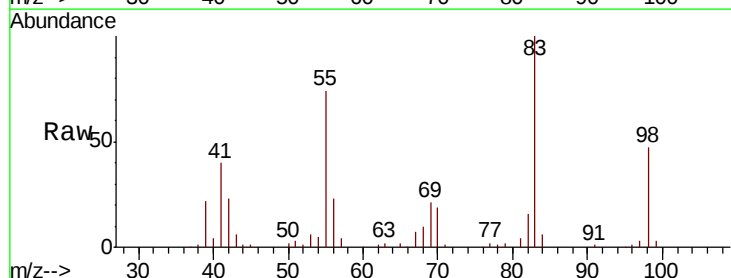
Tgt Ion: 83 Resp: 95790

Ion Ratio Lower Upper

83 100

55 74.8 37.8 113.4

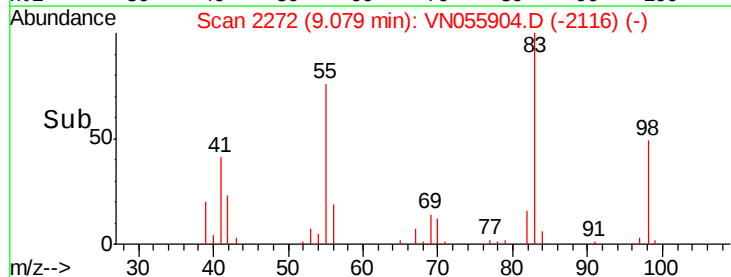
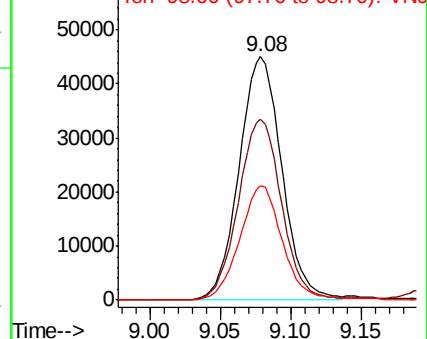
98 46.4 22.6 67.8

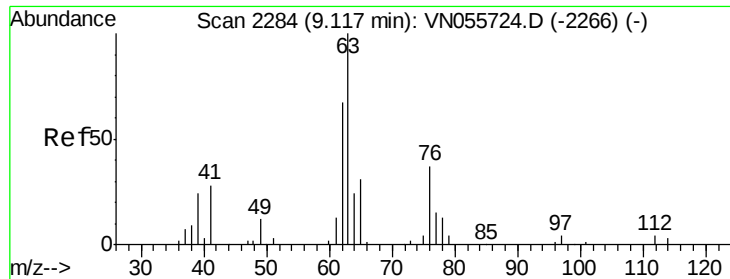


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

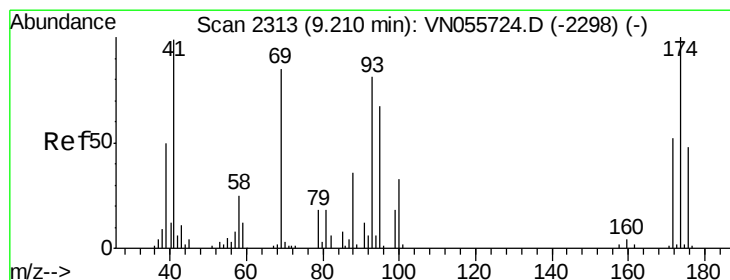
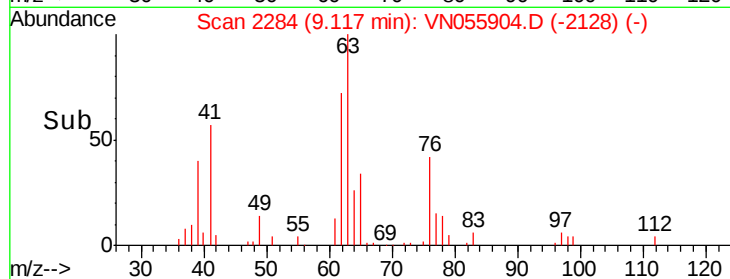
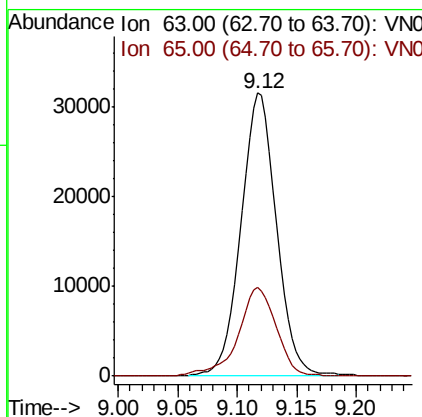
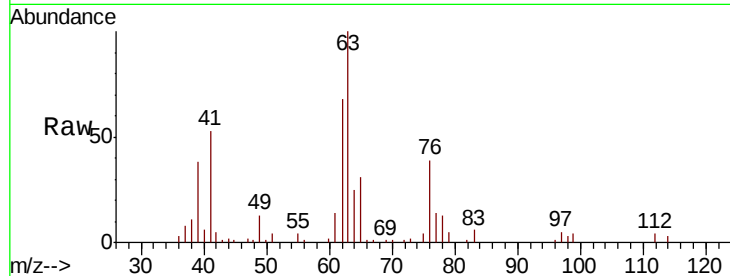




#39
 1,2-Dichloropropane
 Concen: 20.188 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

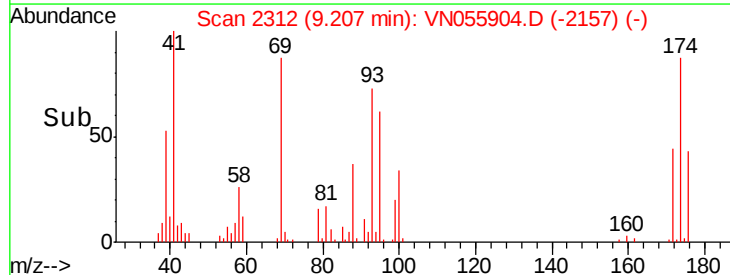
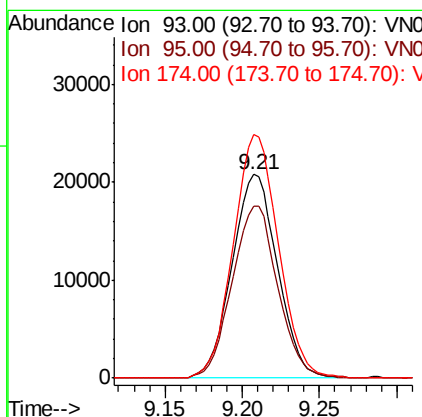
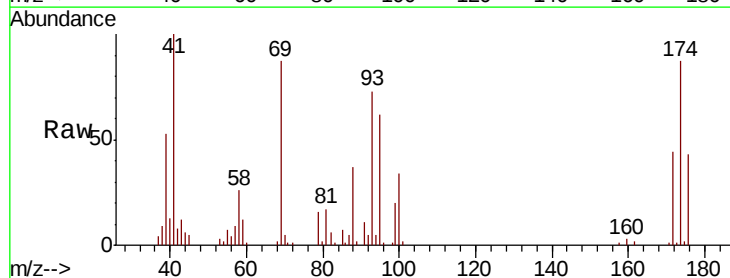
Instrument :
 MSVOA_N
 ClientSampled :

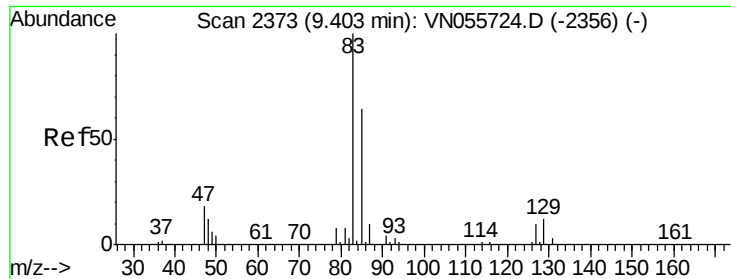
Tot Ion: 63 Resp: 65354
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.8 38.8



#40
 Dibromomethane
 Concen: 20.310 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 93 Resp: 42456
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 170.6
 174 119.0 0.0 248.4





#41

Bromodichloromethane

Concen: 18.524 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

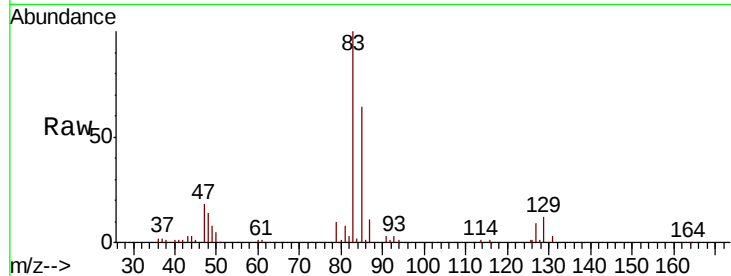
Tot Ion: 83 Resp: 79359

Ion Ratio Lower Upper

83 100

85 63.6 51.4 77.0

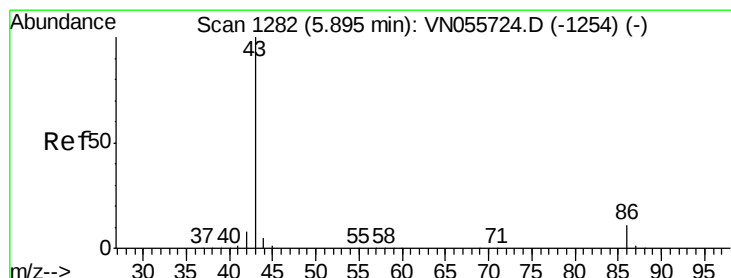
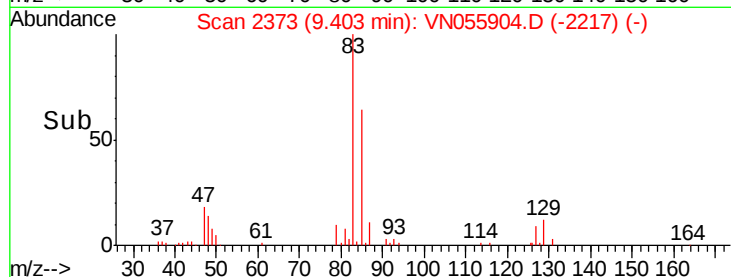
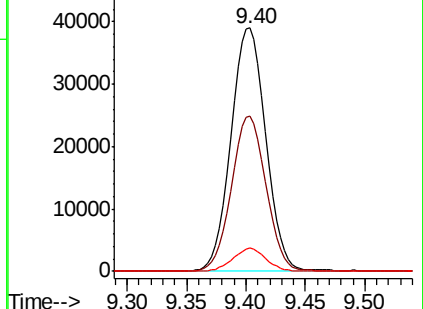
127 9.5 7.7 11.5



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: 96.077 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055904.D

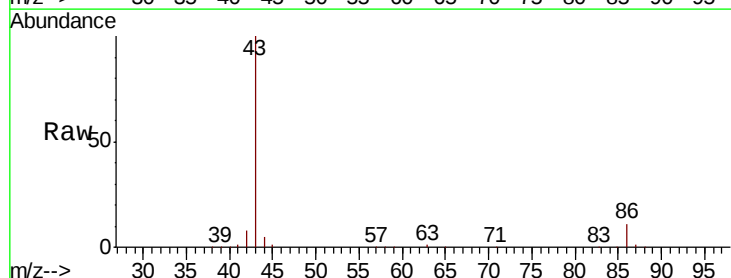
Acq: 30 May 2019 17:04

Tgt Ion: 43 Resp: 775496

Ion Ratio Lower Upper

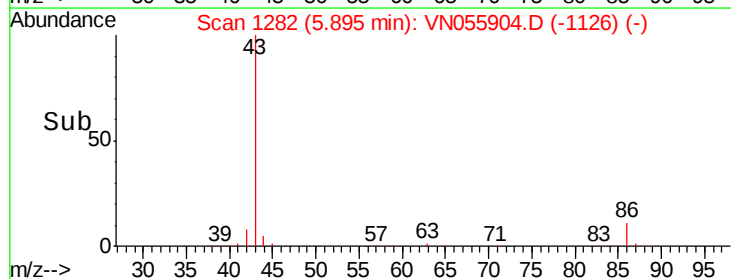
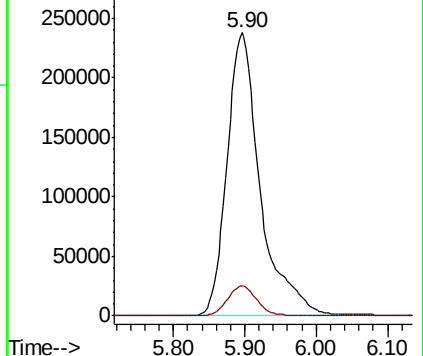
43 100

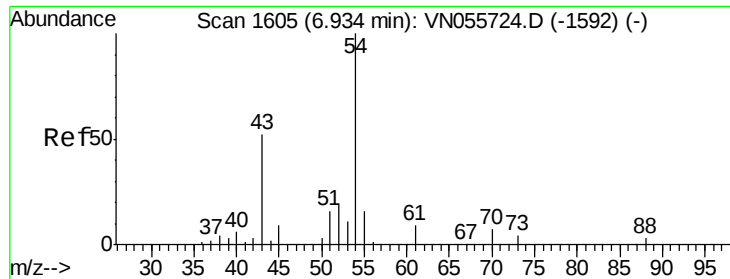
86 9.5 7.4 11.2



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

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

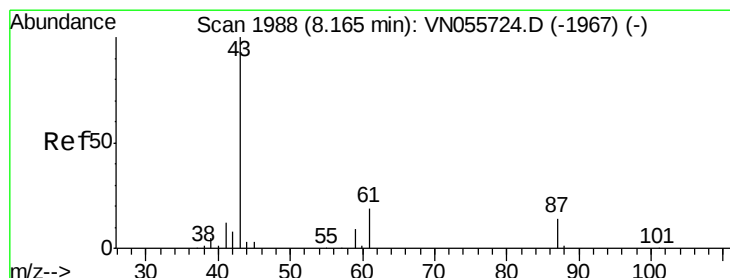
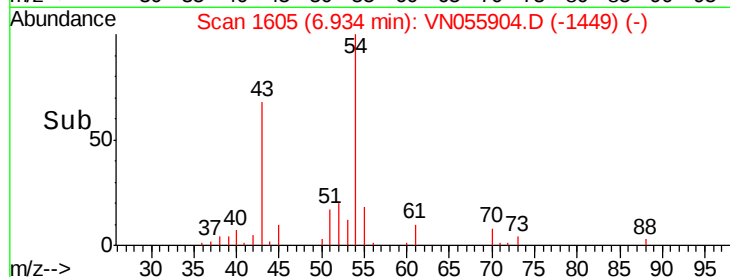
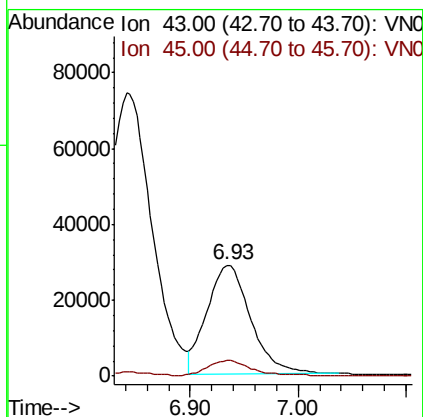
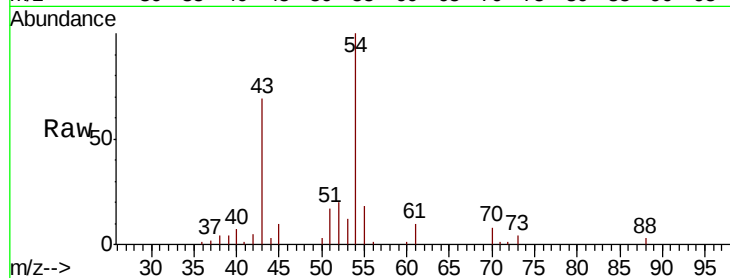




#43
Ethyl Acetate
Concen: 19.956 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

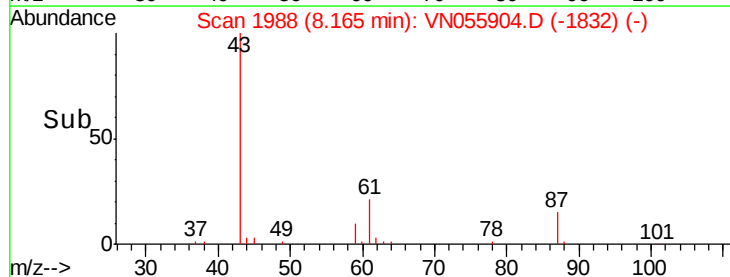
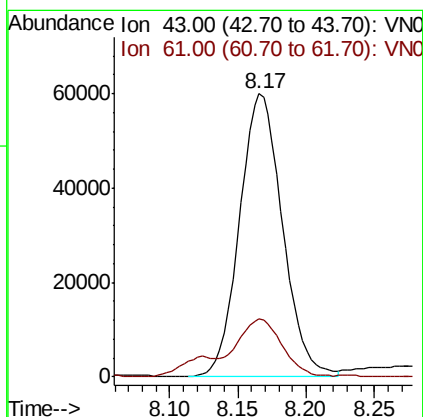
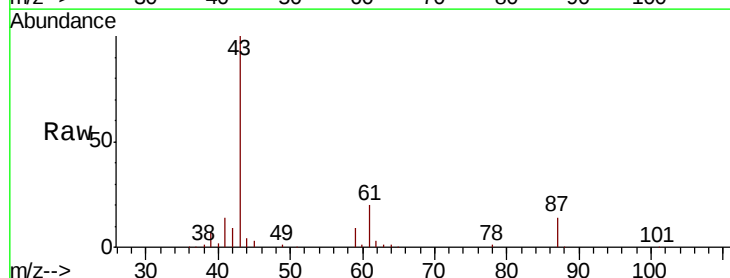
Instrument :
MSVOA_N
ClientSampled :

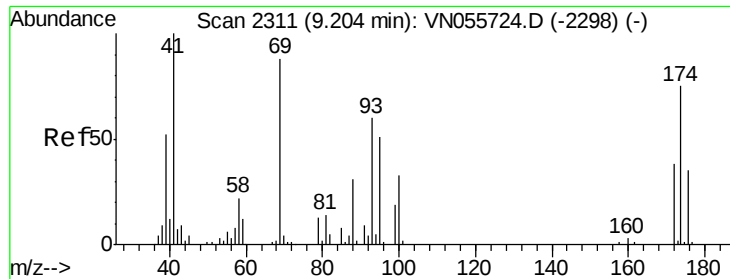
Tot Ion: 43 Resp: 81549
Ion Ratio Lower Upper
43 100
45 15.1 0.0 0.0#



#44
Isopropyl Acetate
Concen: 19.244 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 43 Resp: 130218
Ion Ratio Lower Upper
43 100
61 20.7 22.1 33.1#

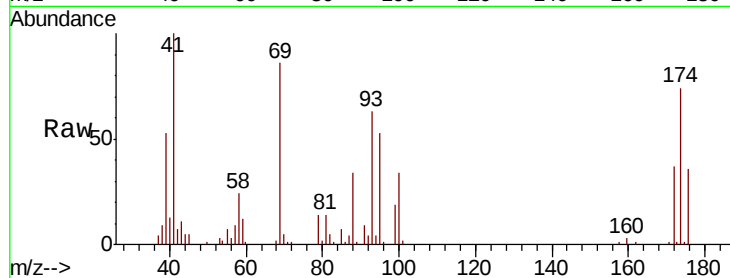




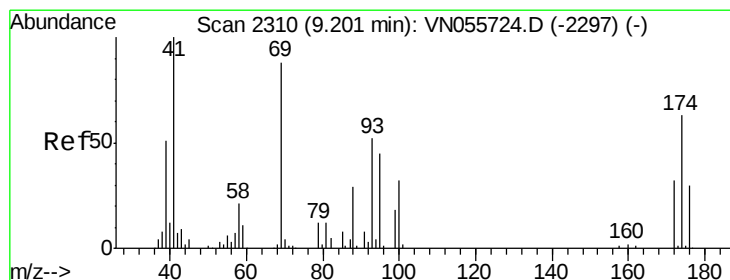
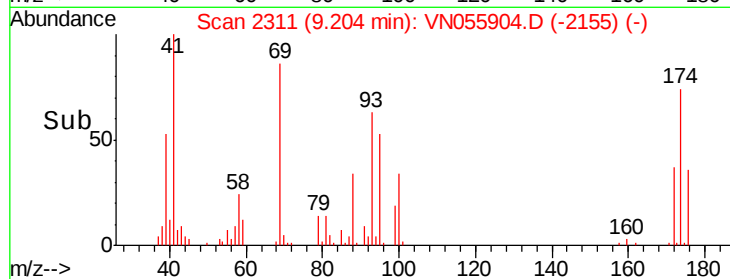
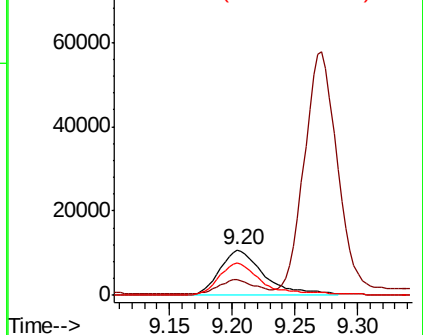
#45
 1,4-Dioxane
 Concen: 416.525 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 26516
 Ion Ratio Lower Upper
 88 100
 43 26.6 20.5 30.7
 58 65.6 56.1 84.1

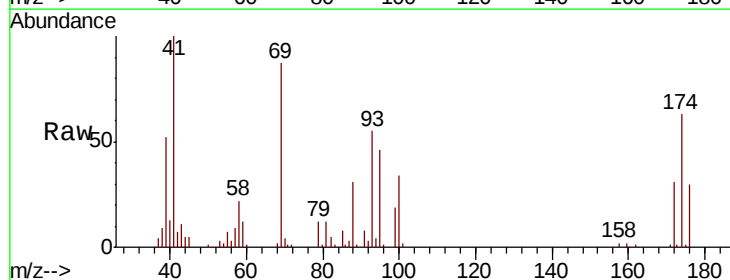


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

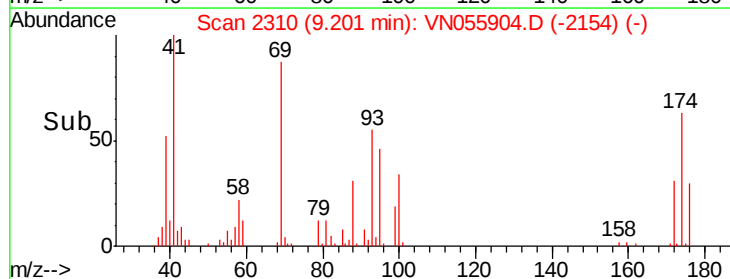
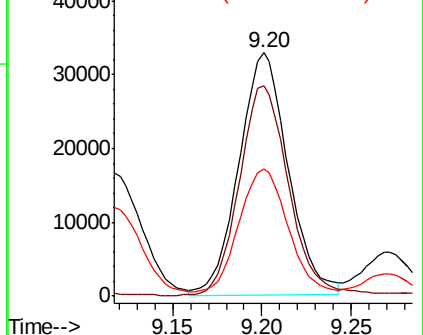


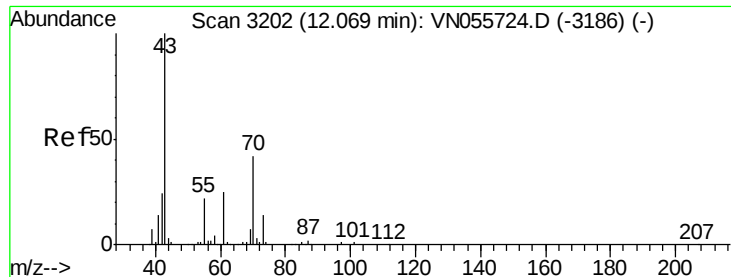
#46
 Methyl methacrylate
 Concen: 20.033 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 41 Resp: 63245
 Ion Ratio Lower Upper
 41 100
 69 88.2 43.8 131.4
 39 51.7 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

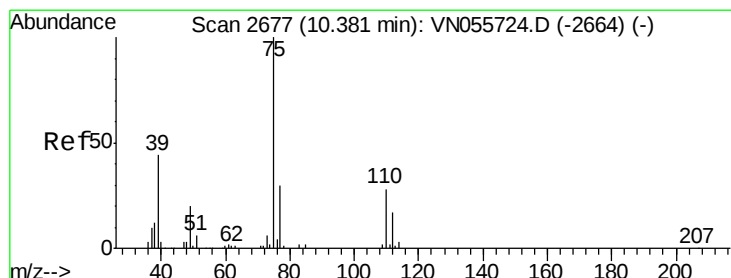
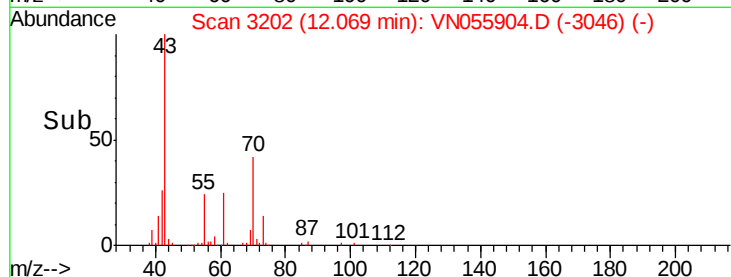
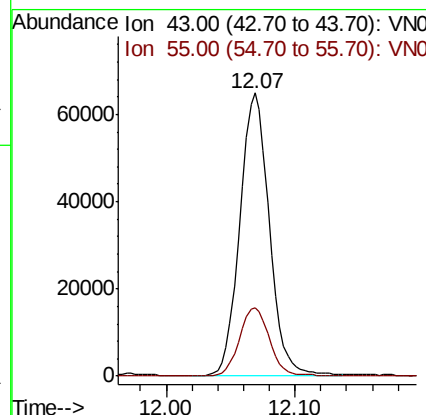
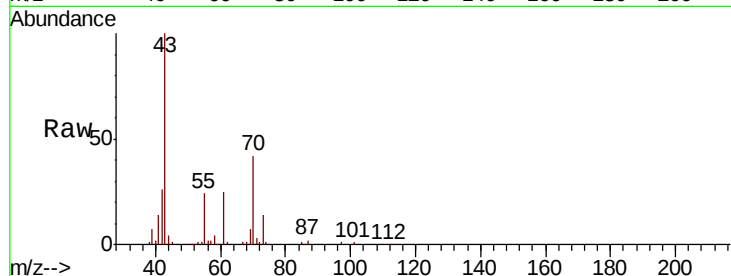




#47
n-amvl Acetate
Concen: 18.326 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

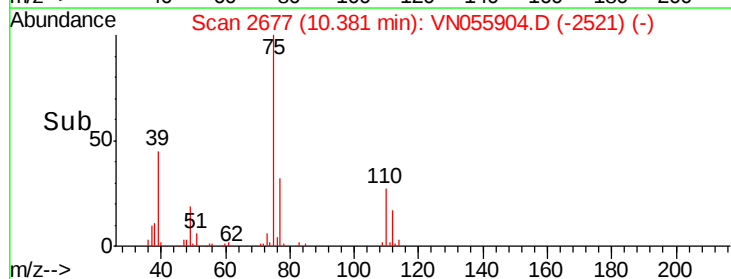
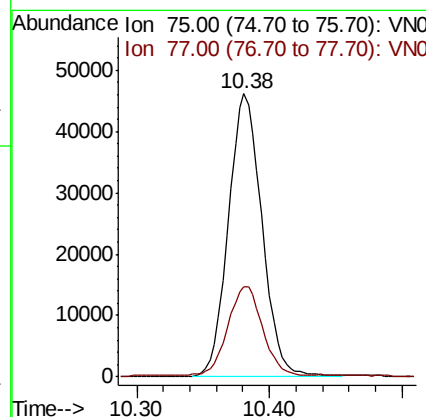
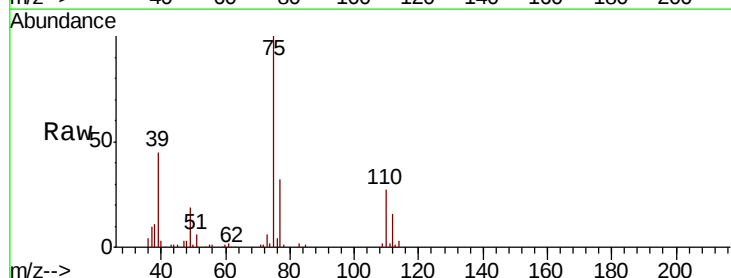
Instrument :
MSVOA_N
ClientSampled :

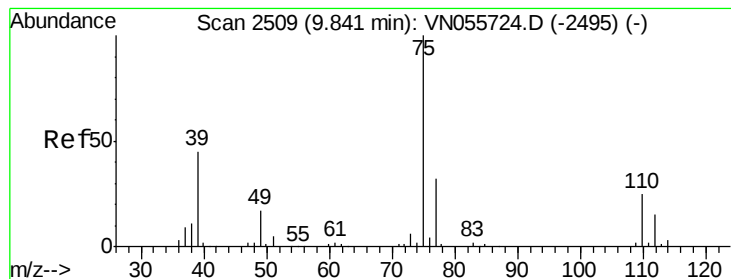
Tot Ion: 43 Resp: 102567
Ion Ratio Lower Upper
43 100
55 24.8 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 17.191 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 75 Resp: 81298
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8



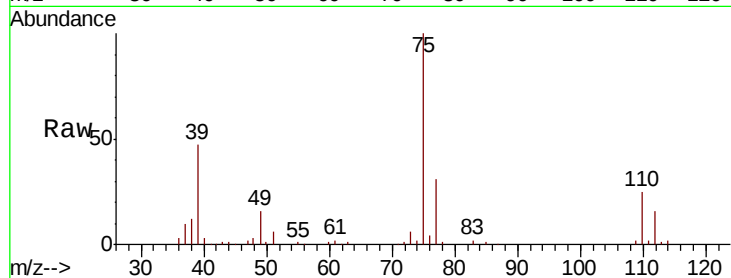


#49

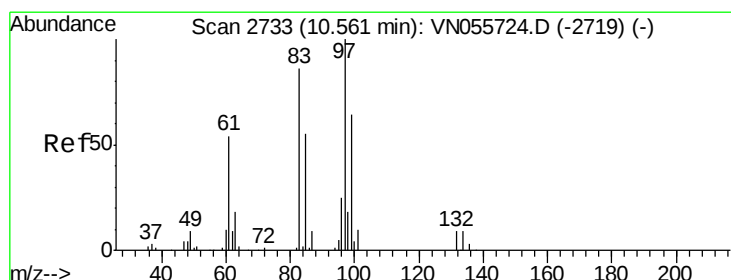
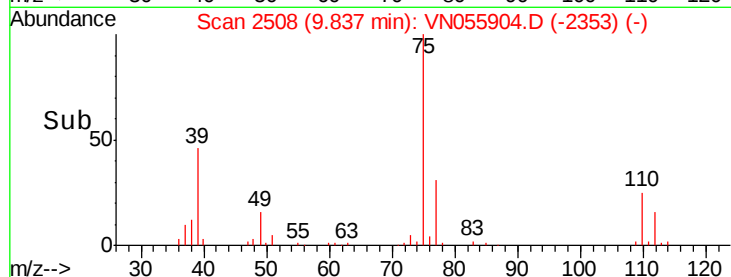
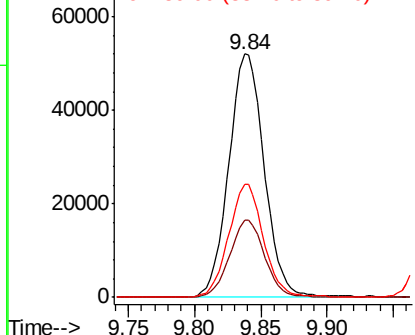
cis-1,3-Dichloropropene
 Concen: 18.696 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 96778
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.0 39.0
 39 46.7 36.2 54.4



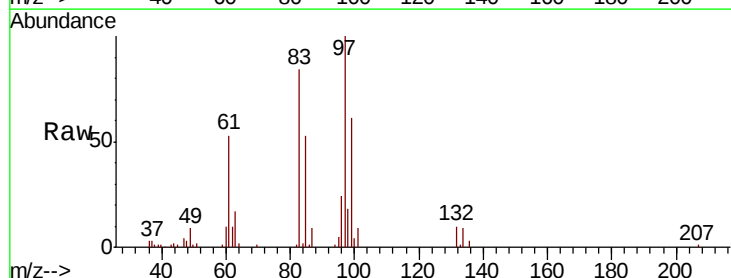
Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0



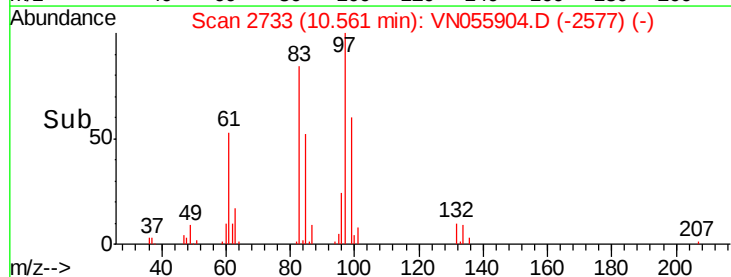
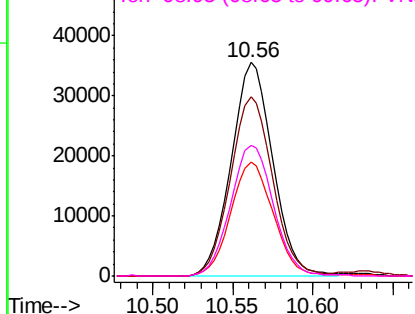
#50

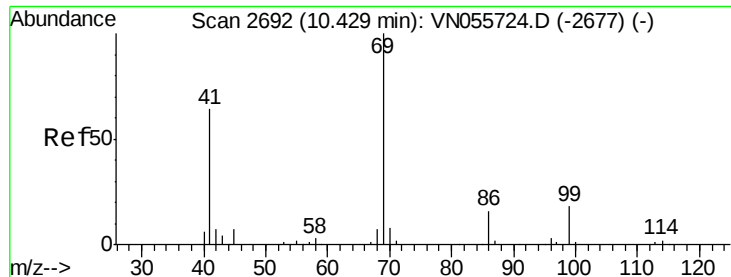
1,1,2-Trichloroethane
 Concen: 20.711 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 97 Resp: 63025
 Ion Ratio Lower Upper
 97 100
 83 83.9 68.9 103.3
 85 53.4 44.3 66.5
 99 61.2 51.4 77.0



Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.010 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

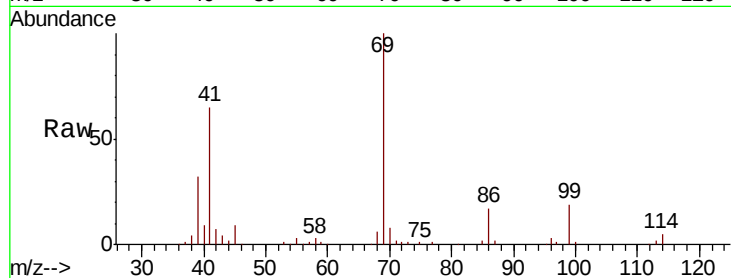
Tot Ion: 69 Resp: 93245

Ion Ratio Lower Upper

69 100

41 64.3 31.9 95.7

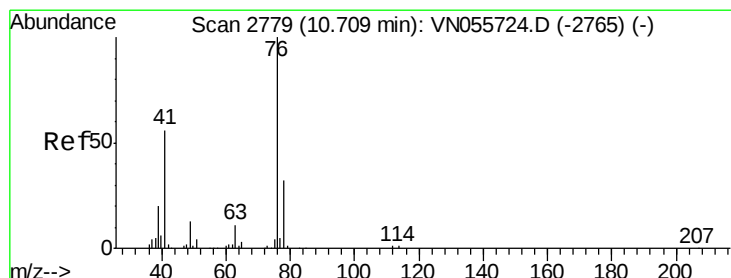
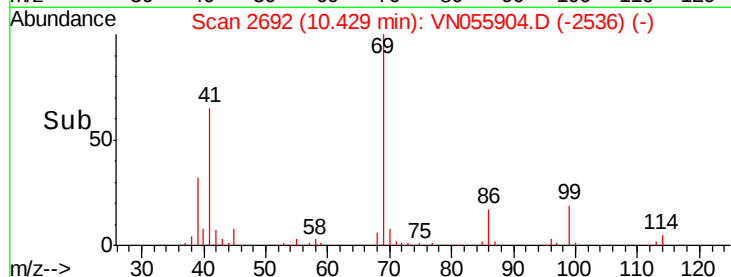
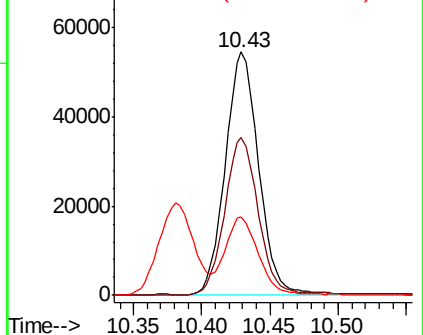
39 31.6 15.7 47.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.352 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055904.D

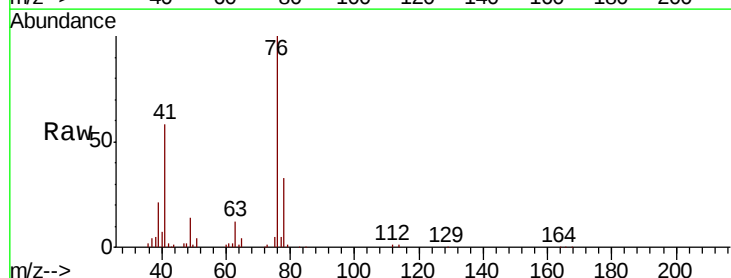
Acq: 30 May 2019 17:04

Tgt Ion: 76 Resp: 102087

Ion Ratio Lower Upper

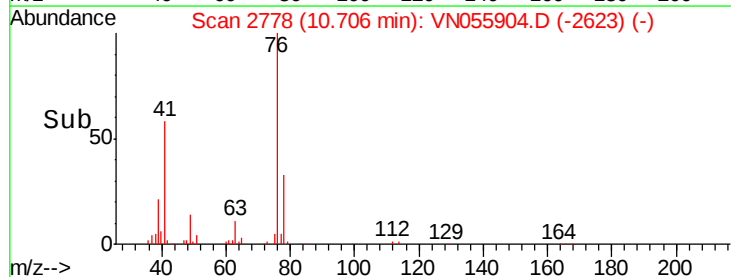
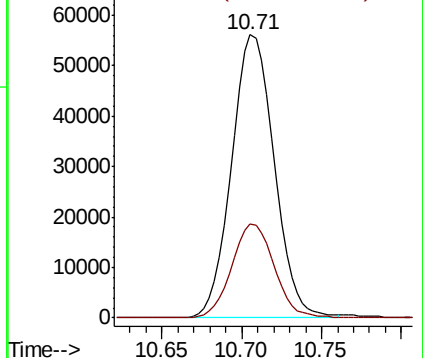
76 100

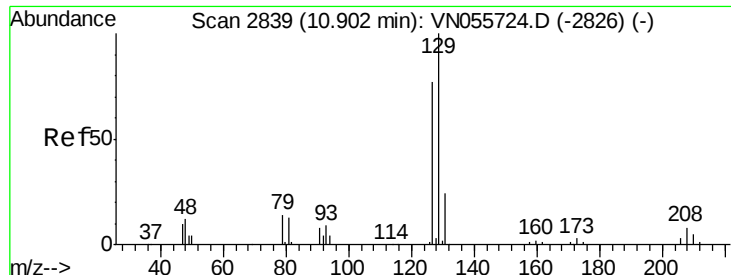
78 33.0 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 17.285 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

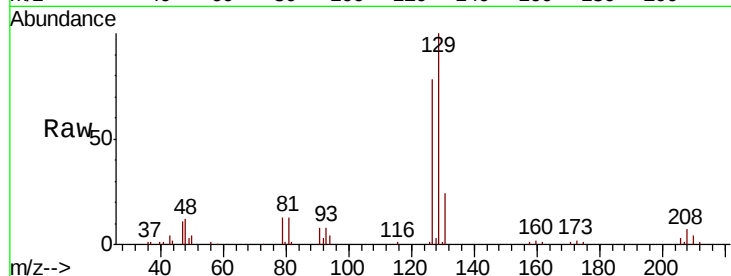
ClientSampleId :

Tot Ion:129 Resp: 62140

Ion Ratio Lower Upper

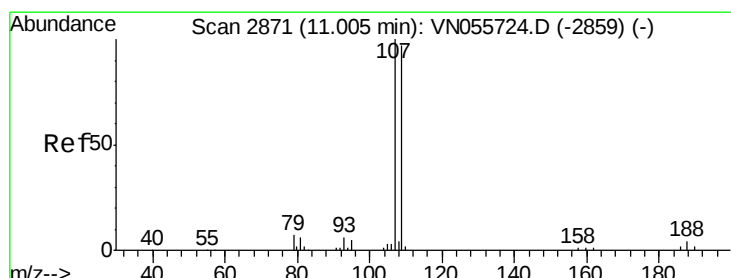
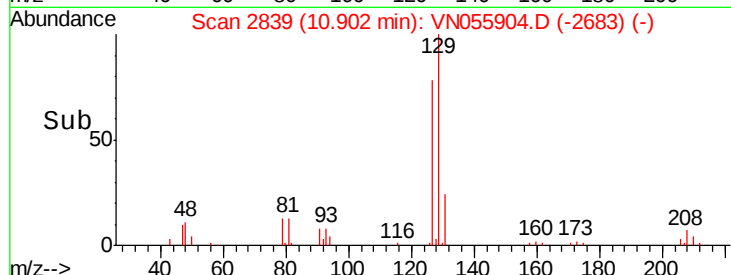
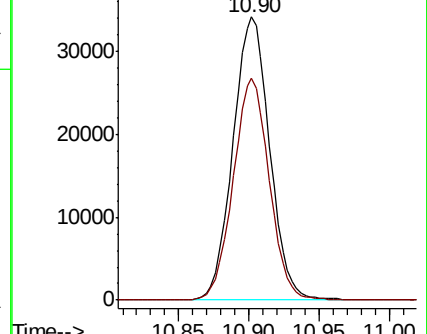
129 100

127 77.0 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: 20.256 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055904.D

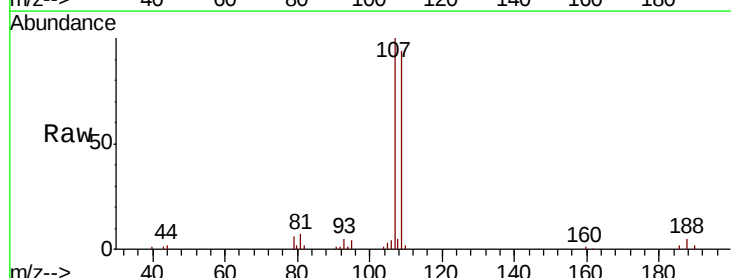
Acq: 30 May 2019 17:04

Tgt Ion:107 Resp: 63786

Ion Ratio Lower Upper

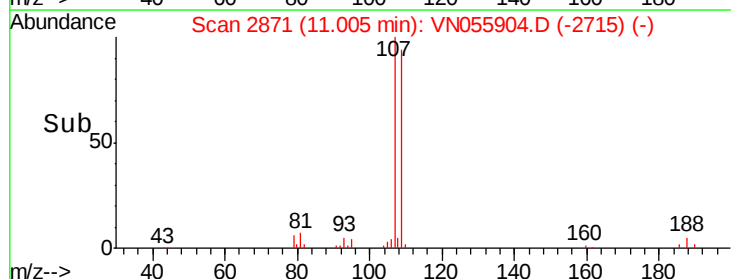
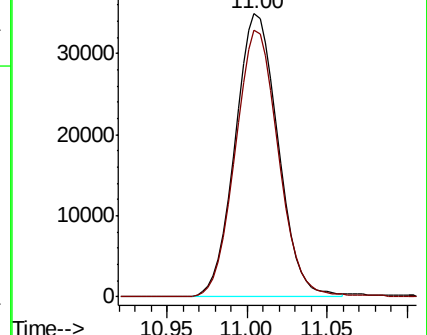
107 100

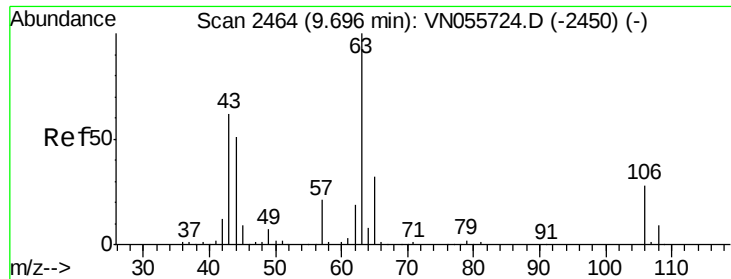
109 94.5 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

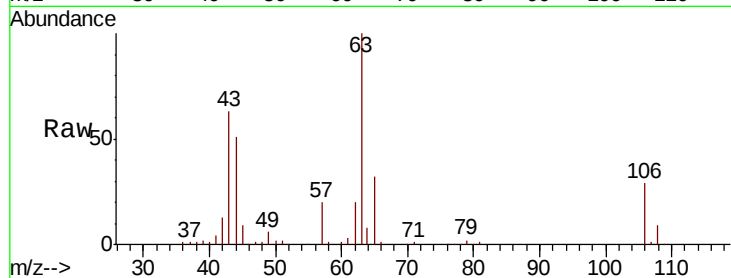




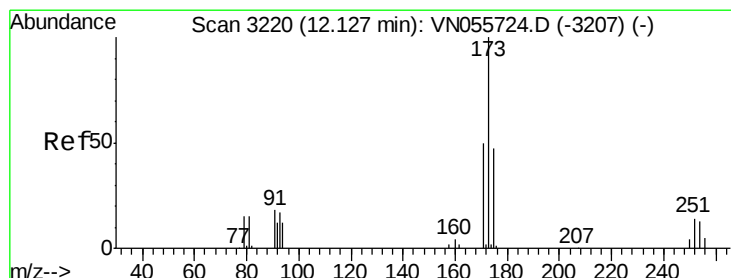
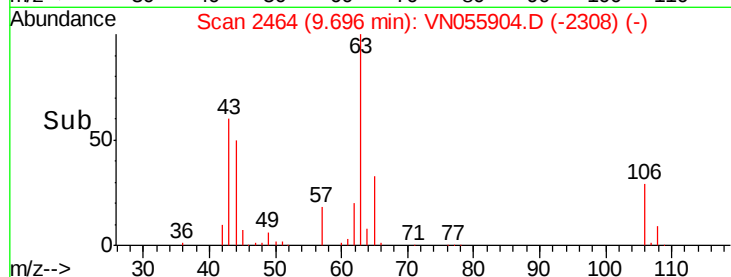
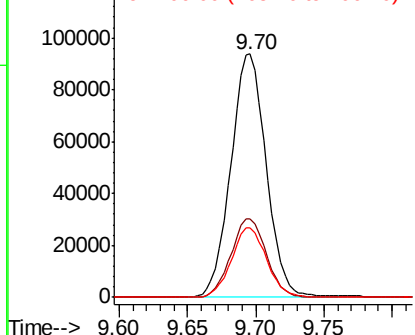
#55
2-Chloroethyl vinyl ether
Concen: 88.667 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 169221
Ion Ratio Lower Upper
63 100
65 32.3 25.4 38.0
106 28.5 22.1 33.1

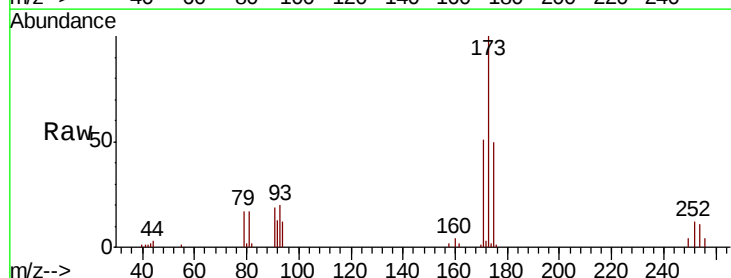


Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0
Ion 106.00 (105.70 to 106.70): VN0

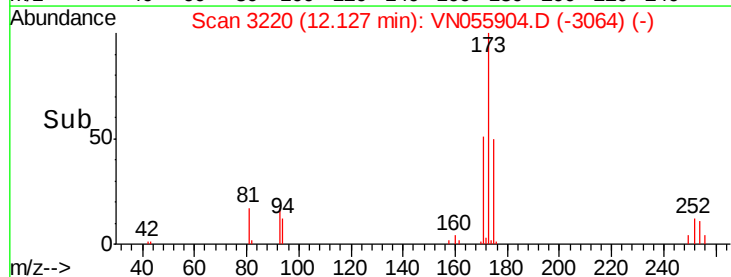
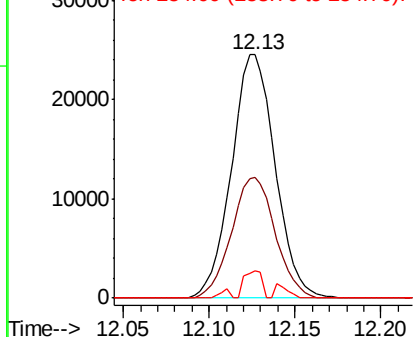


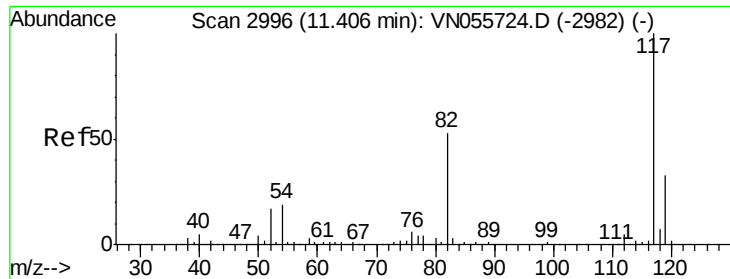
#56
Bromoform
Concen: 14.671 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion:173 Resp: 43263
Ion Ratio Lower Upper
173 100
175 49.6 38.5 57.7
254 4.5 9.4 14.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

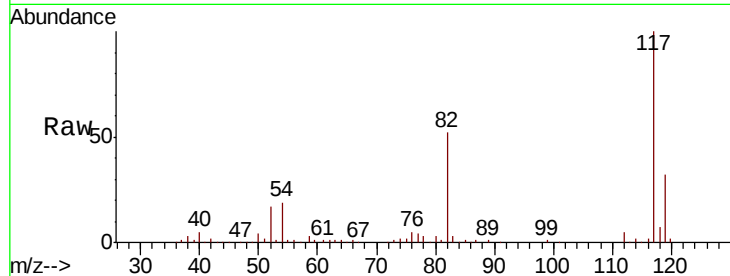
Tot Ion:117 Resp: 241824

Ion Ratio Lower Upper

117 100

82 53.0 42.6 64.0

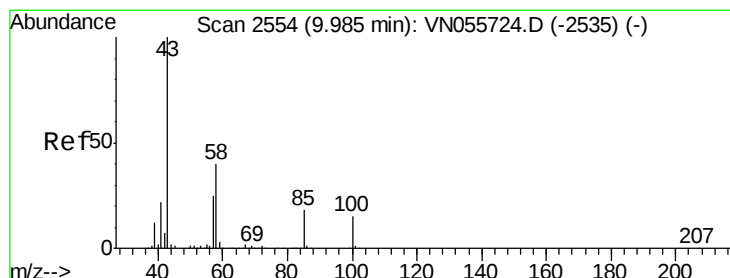
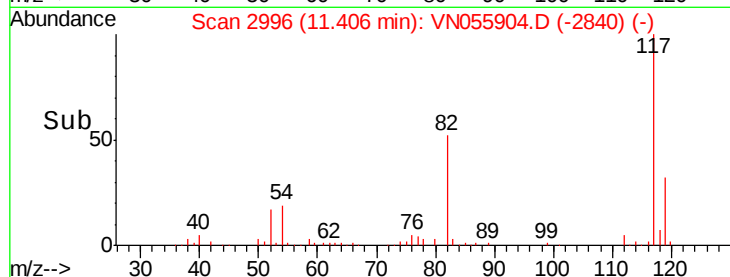
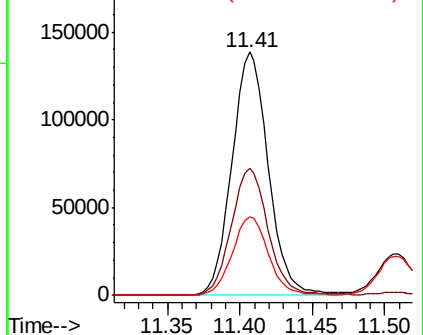
119 32.2 25.9 38.9



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: 101.971 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

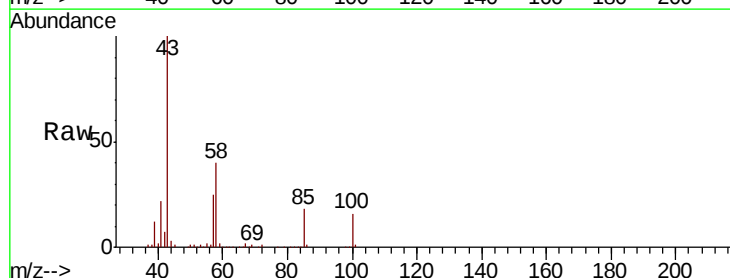
Tgt Ion: 43 Resp: 408219

Ion Ratio Lower Upper

43 100

58 40.0 31.7 47.5

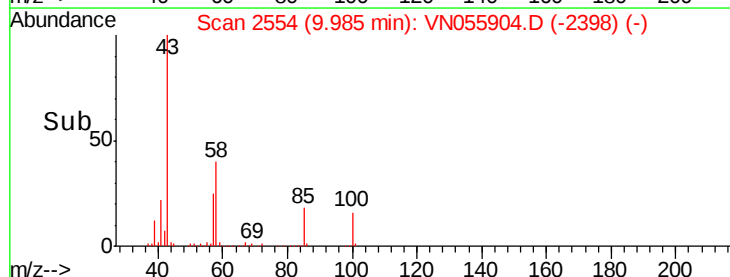
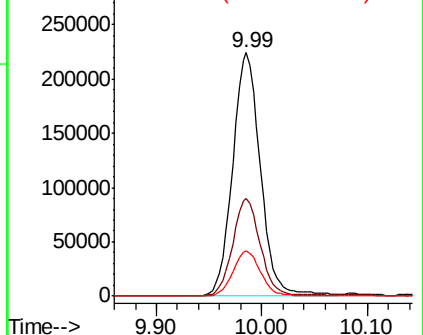
85 18.3 14.5 21.7

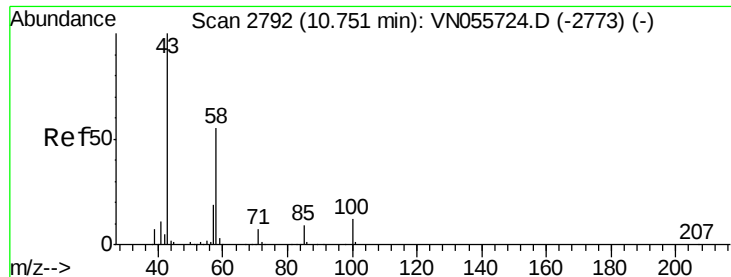


Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN

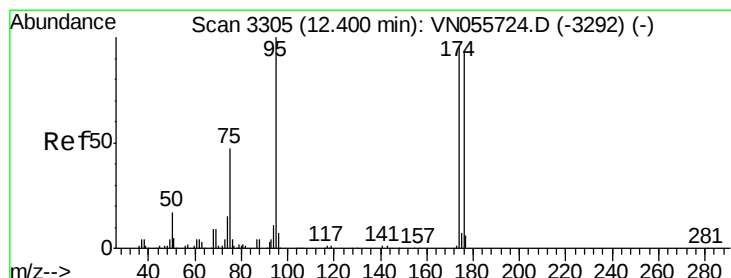
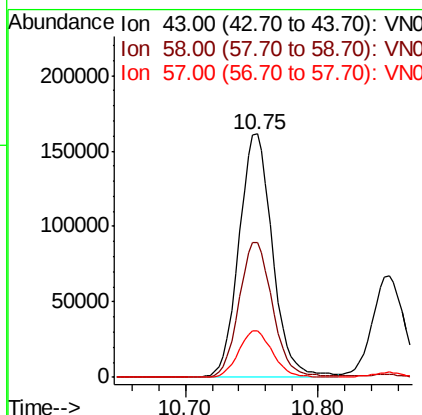
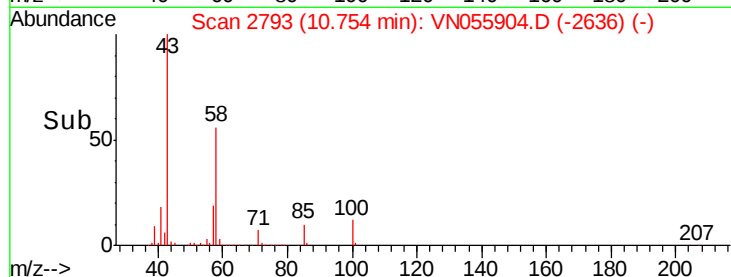
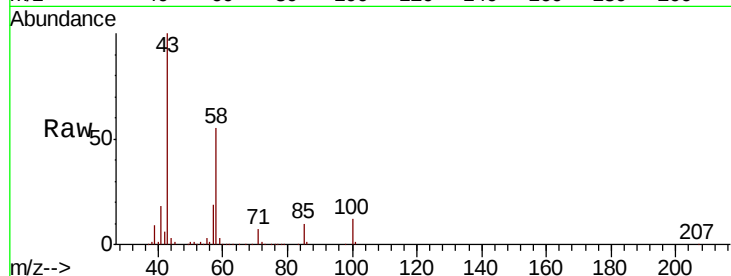




#59
2-Hexanone
Concen: 98.767 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

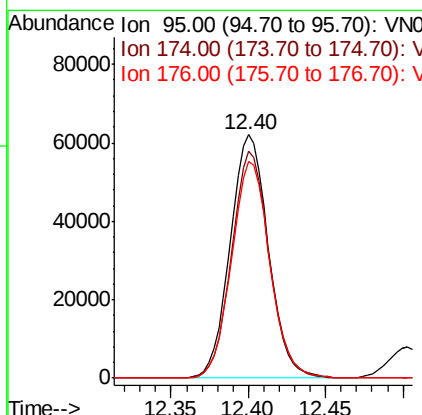
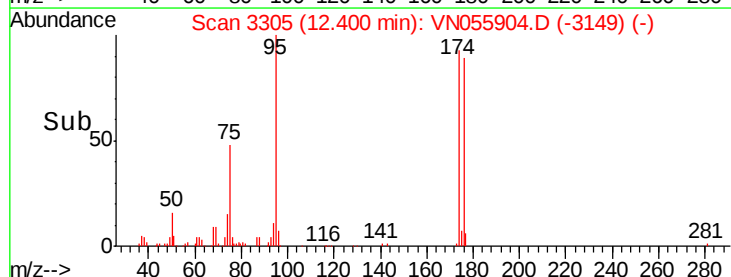
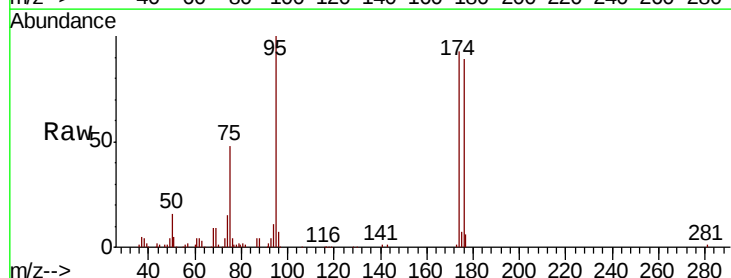
Instrument :
MSVOA_N
ClientSampleId :

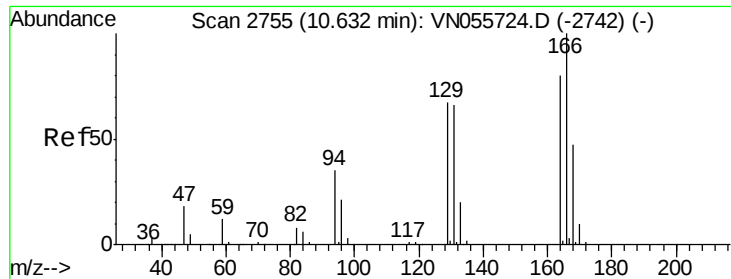
Tot Ion: 43 Resp: 282672
Ion Ratio Lower Upper
43 100
58 55.8 44.8 67.2
57 19.5 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 28.262 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 95 Resp: 106316
Ion Ratio Lower Upper
95 100
174 92.0 75.7 113.5
176 89.2 74.1 111.1





#61

Tetrachloroethene

Concen: 20.988 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 68707

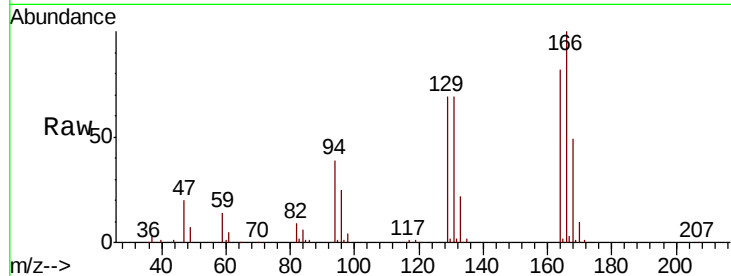
Ion Ratio Lower Upper

164 100

166 121.4 100.6 150.8

129 84.3 67.4 101.2

131 84.1 66.6 99.8

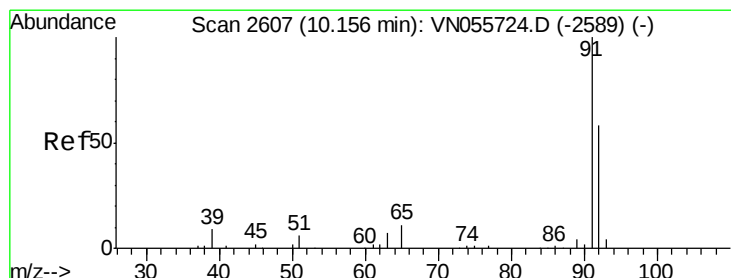
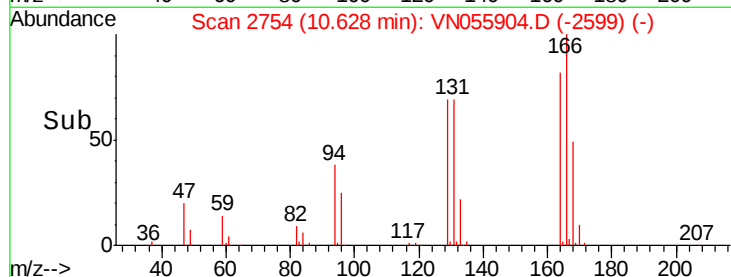
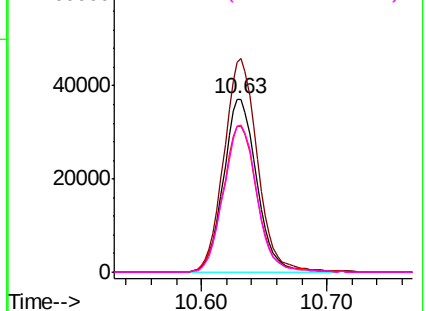


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.044 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055904.D

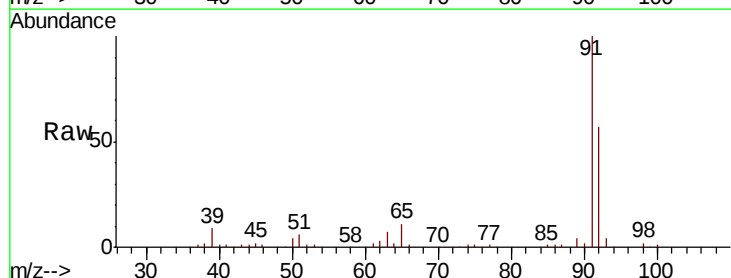
Acq: 30 May 2019 17:04

Tgt Ion: 91 Resp: 273659

Ion Ratio Lower Upper

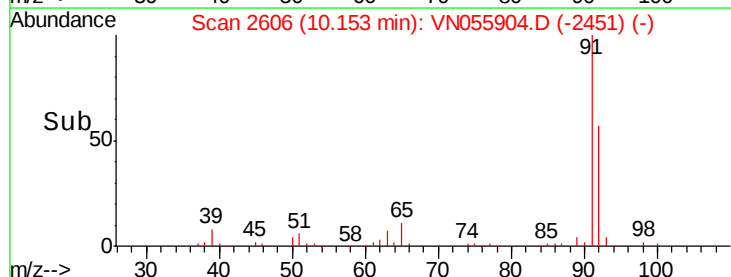
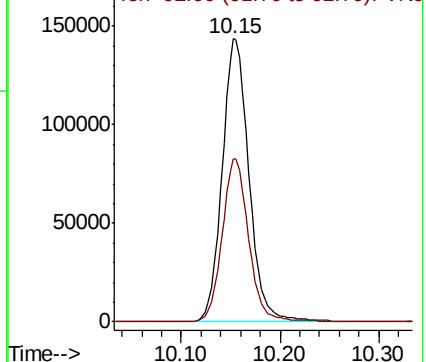
91 100

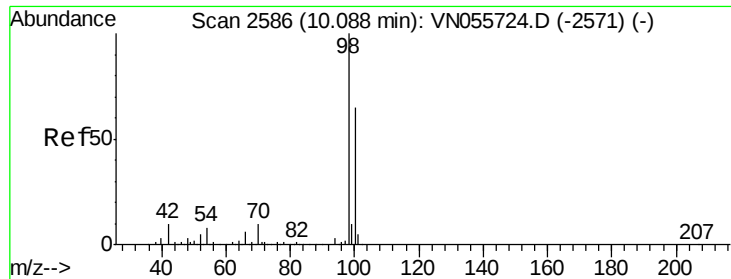
92 57.1 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.231 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

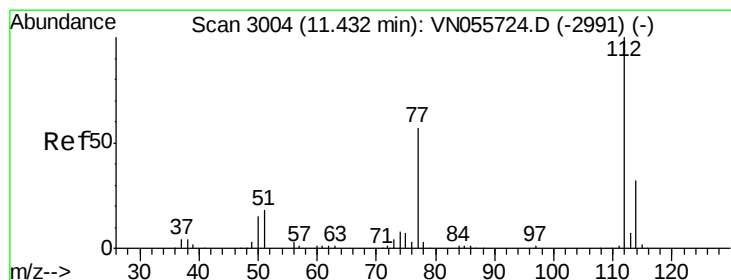
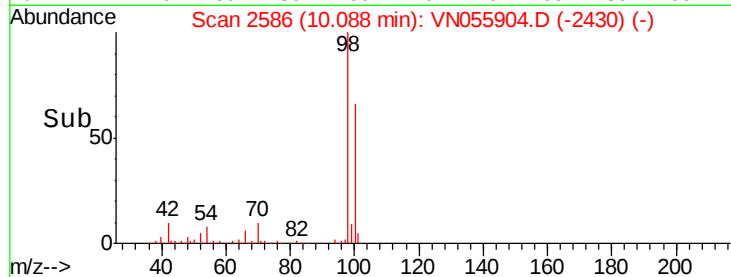
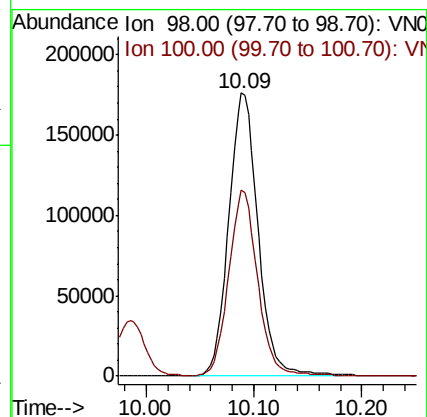
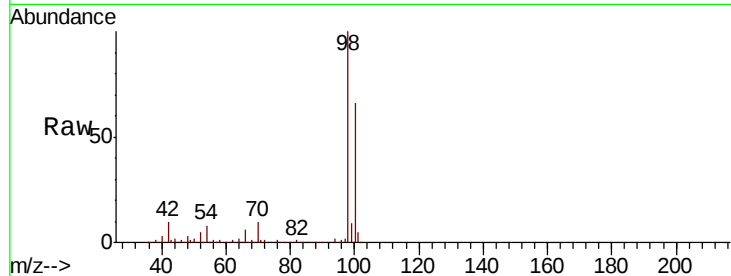
ClientSampleId :

Tot Ion: 98 Resp: 334092

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



#64

Chlorobenzene

Concen: 20.733 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055904.D

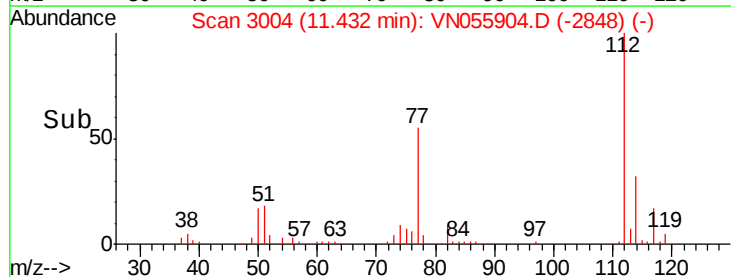
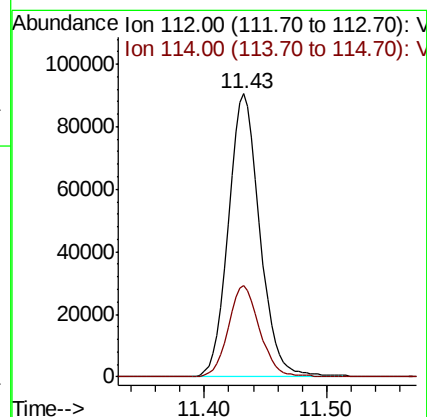
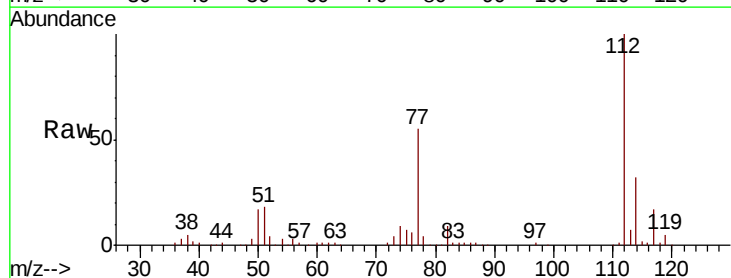
Acq: 30 May 2019 17:04

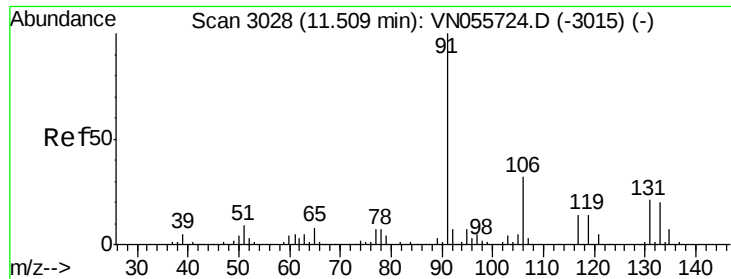
Tgt Ion: 112 Resp: 163548

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.0

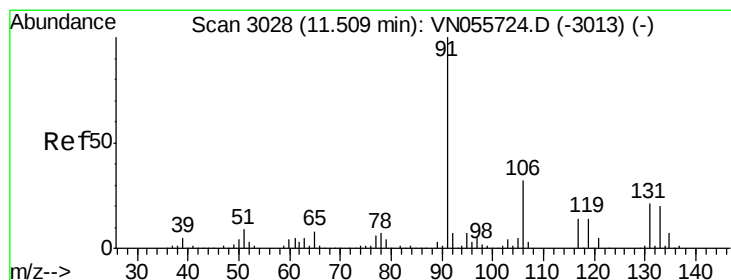
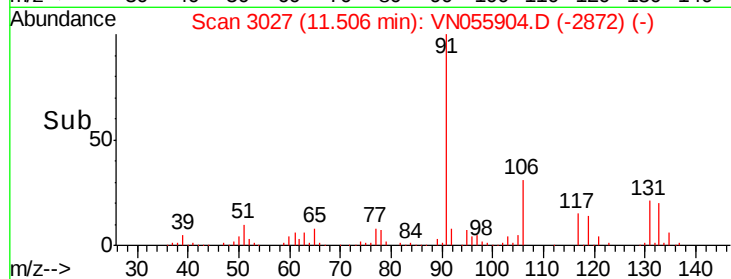
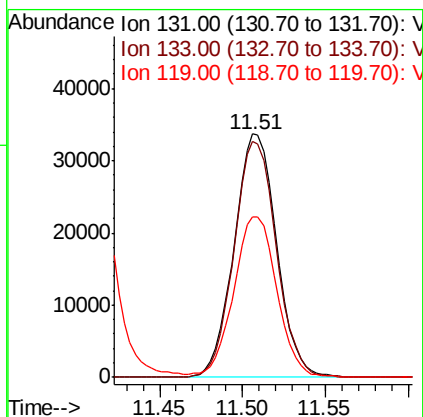
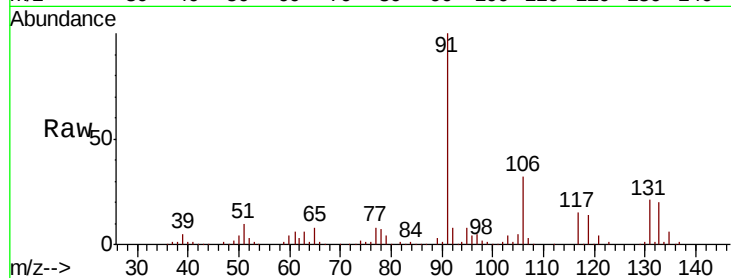




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.908 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

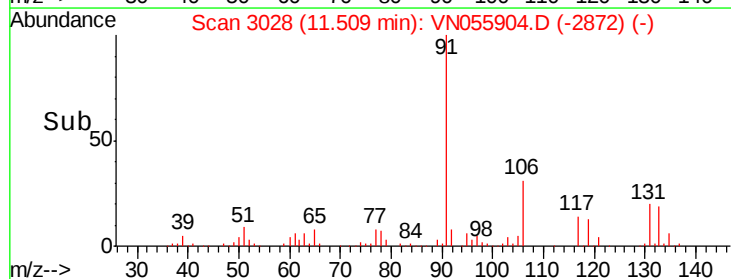
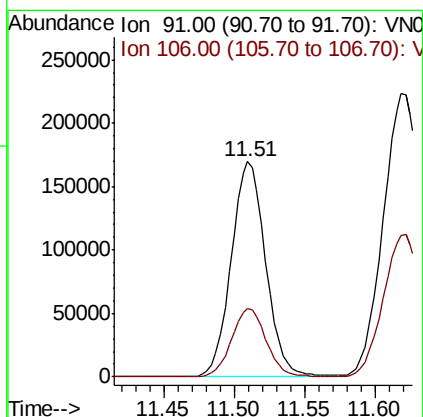
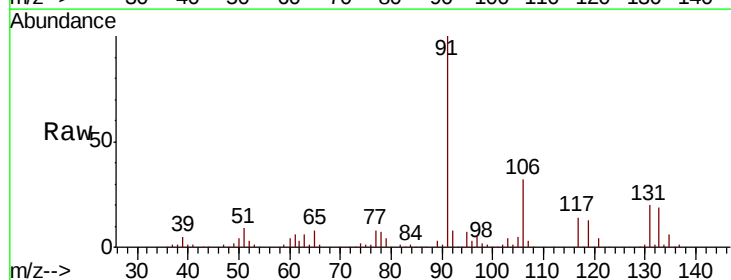
Instrument :
 MSVOA_N
 ClientSampleId :

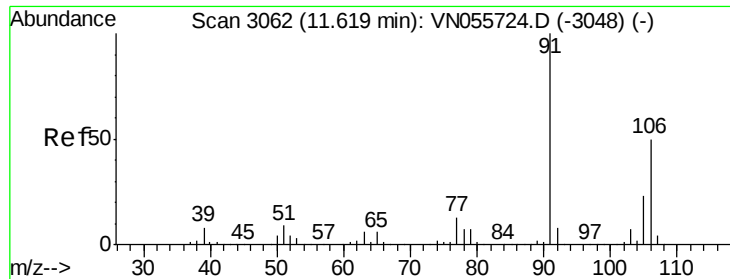
Tot Ion:131 Resp: 60098
 Ion Ratio Lower Upper
 131 100
 133 96.5 0.0 188.8
 119 67.0 0.0 133.6



#66
 Ethyl Benzene
 Concen: 20.466 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 91 Resp: 290791
 Ion Ratio Lower Upper
 91 100
 106 31.7 25.6 38.4

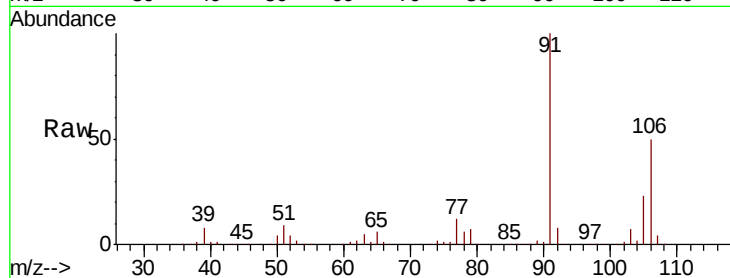




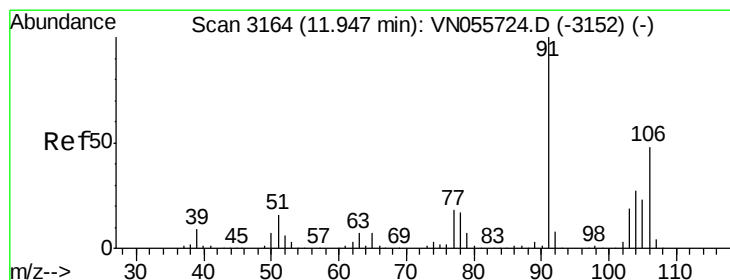
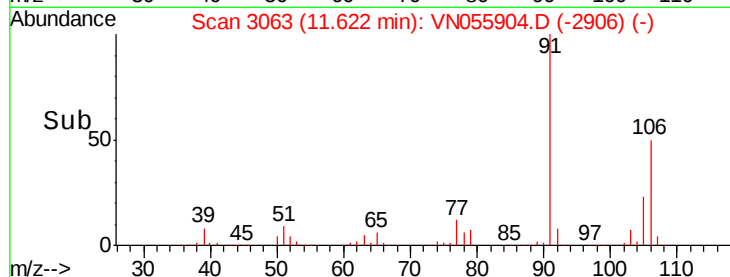
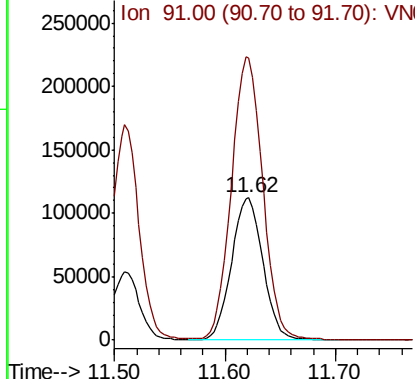
#67
m/p-Xylenes
Concen: 41.040 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 221515
Ion Ratio Lower Upper
106 100
91 199.3 159.5 239.3

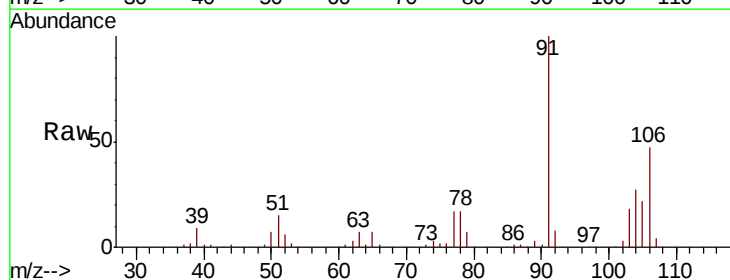


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

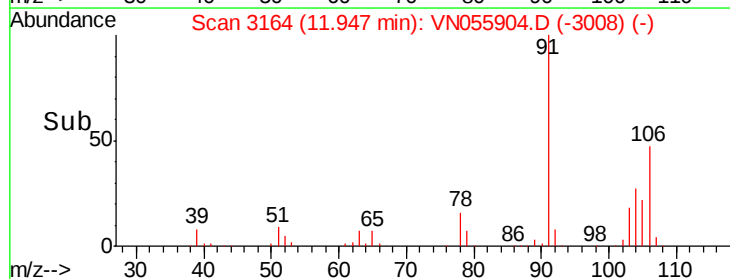
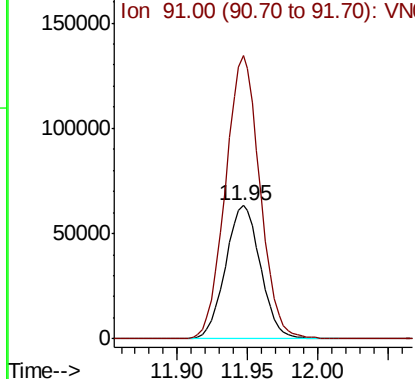


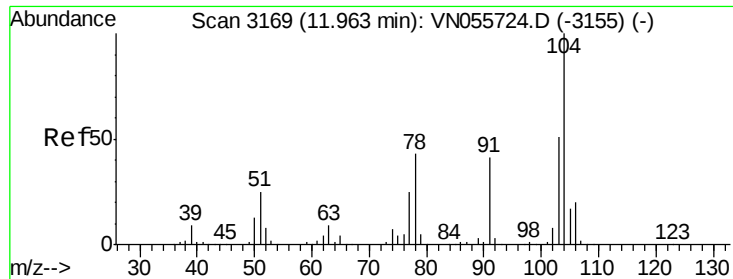
#68
o-Xylene
Concen: 20.523 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion:106 Resp: 109619
Ion Ratio Lower Upper
106 100
91 209.7 105.4 316.1



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

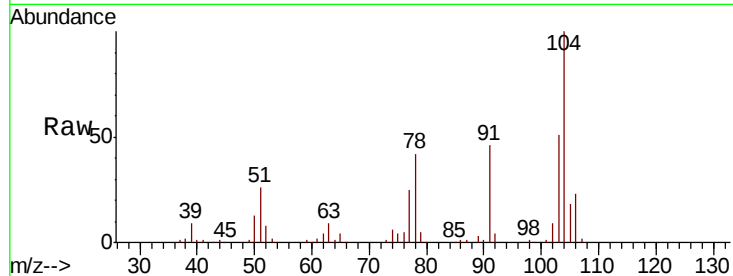




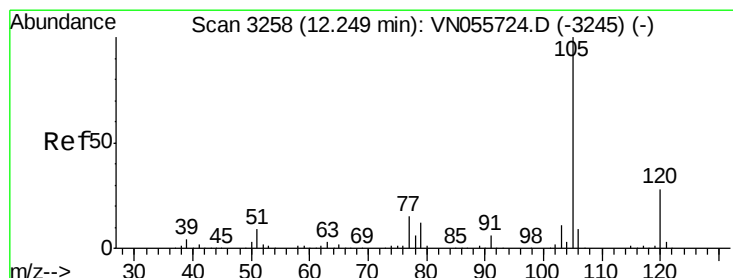
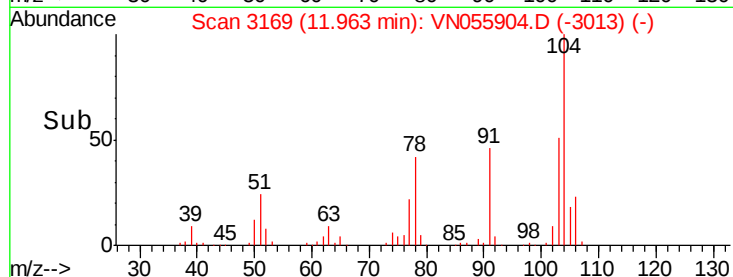
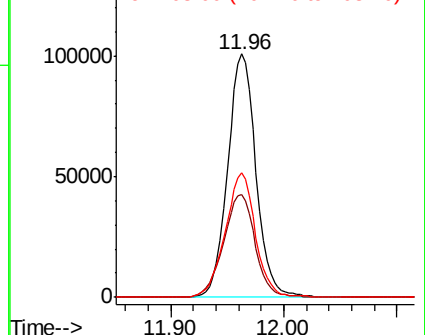
#69
Stvrene
Concen: 19.948 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 175783
Ion Ratio Lower Upper
104 100
78 47.2 38.7 58.1
103 54.5 45.0 67.6

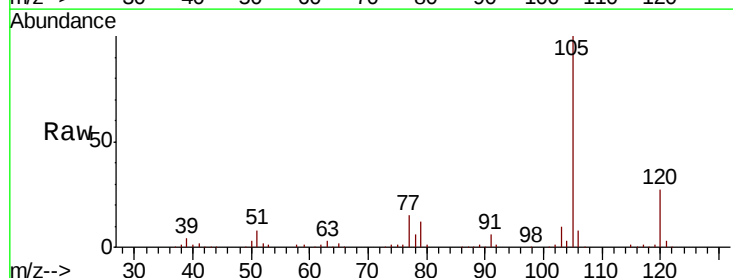


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

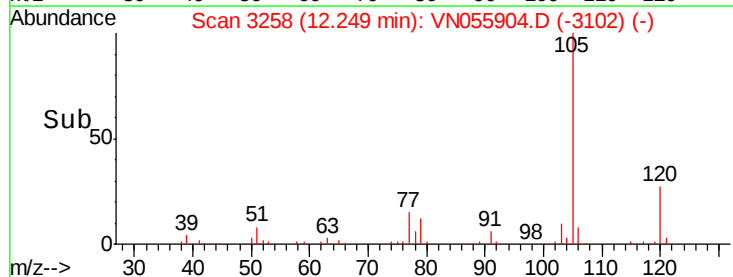
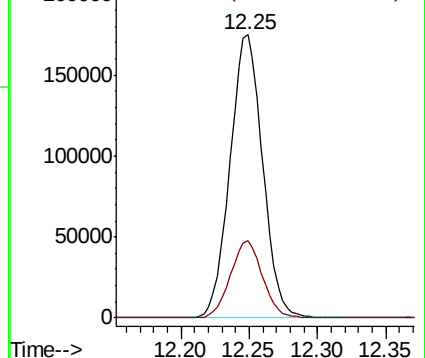


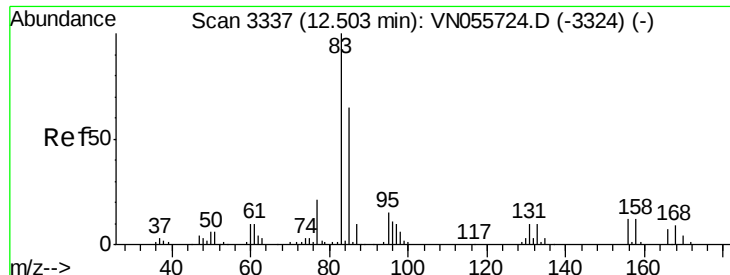
#70
Isopropylbenzene
Concen: 20.771 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion:105 Resp: 290280
Ion Ratio Lower Upper
105 100
120 26.8 19.2 35.6



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

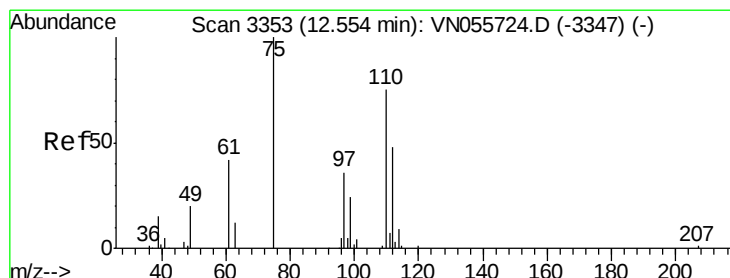
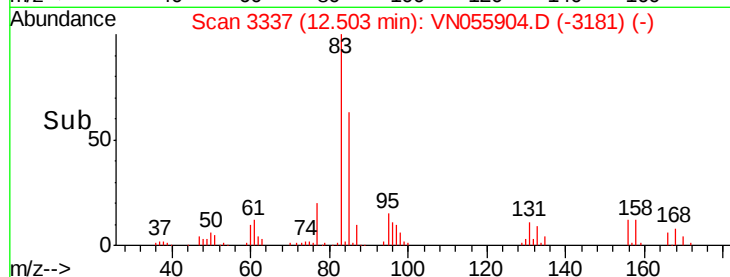
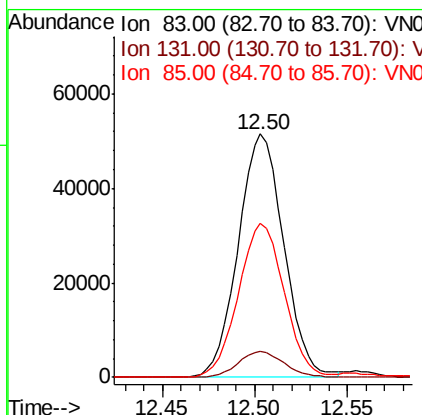
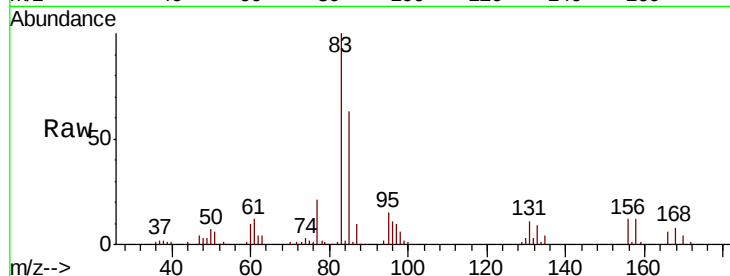




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.440 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

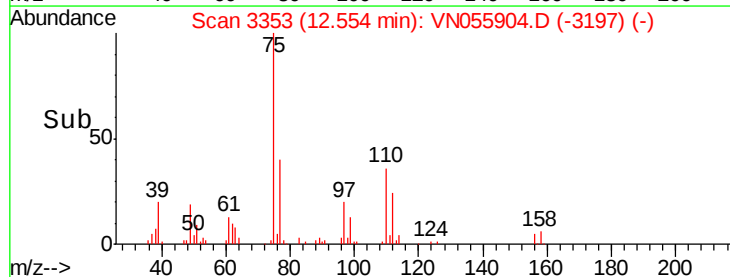
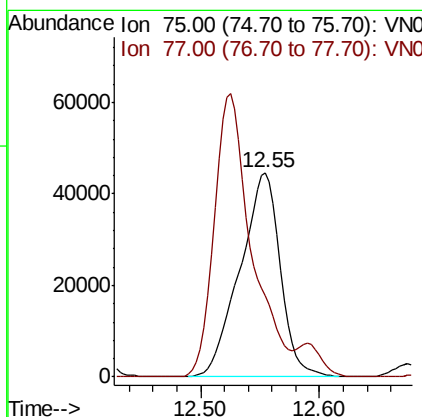
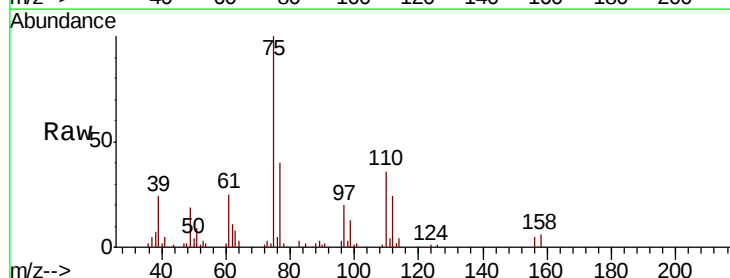
Instrument :
 MSVOA_N
 ClientSampleId :

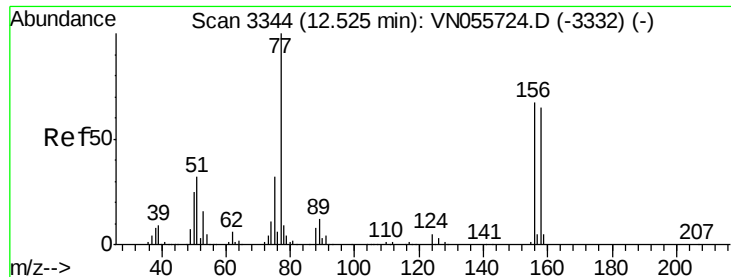
Tot Ion	83	Resp	87909
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	63.4	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 28.269 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	75	Resp	104641
Ion Ratio	Lower	Upper	
75	100		
77	128.6	0.0	349.8





#73

Bromobenzene

Concen: 19.752 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

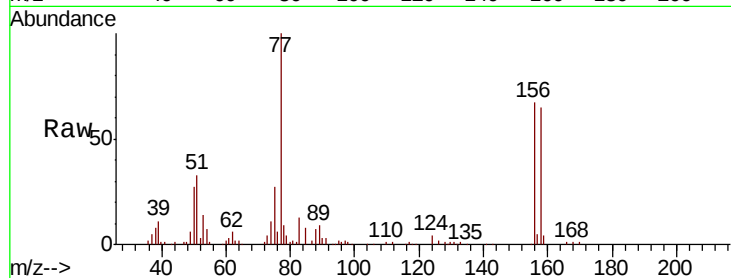
Tot Ion:156 Resp: 73026

Ion Ratio Lower Upper

156 100

77 184.2 0.0 368.0

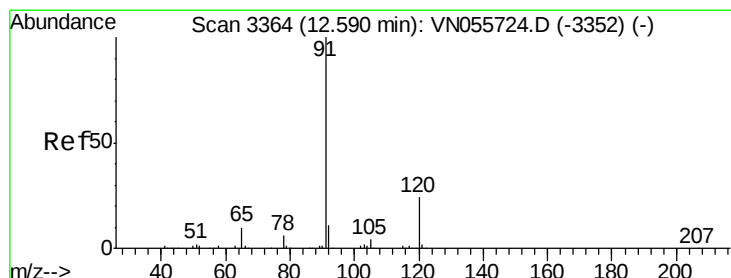
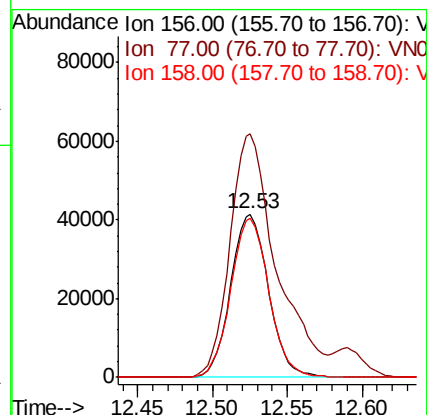
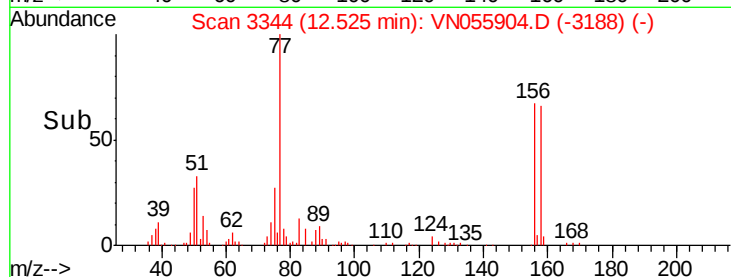
158 98.0 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.004 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055904.D

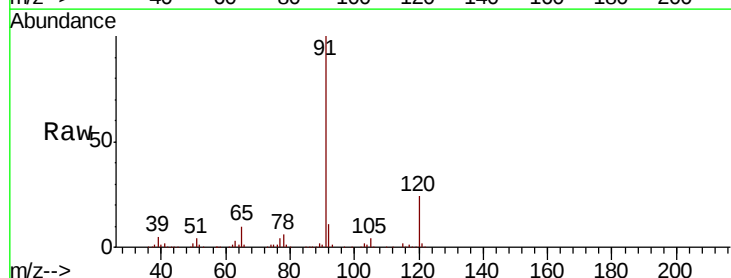
Acq: 30 May 2019 17:04

Tgt Ion: 91 Resp: 301508

Ion Ratio Lower Upper

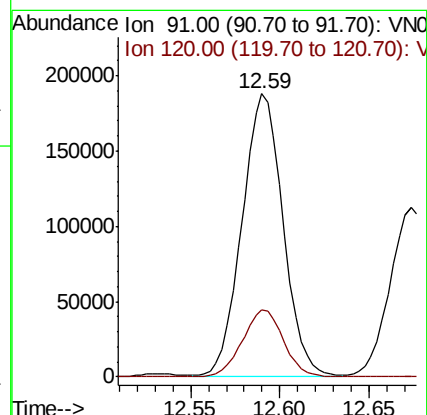
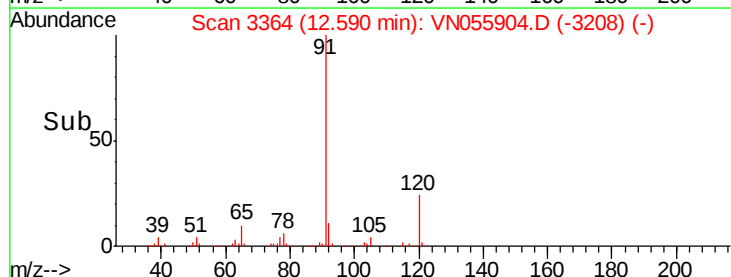
91 100

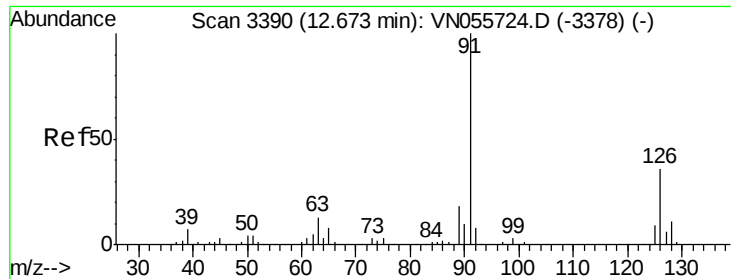
120 23.6 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.509 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

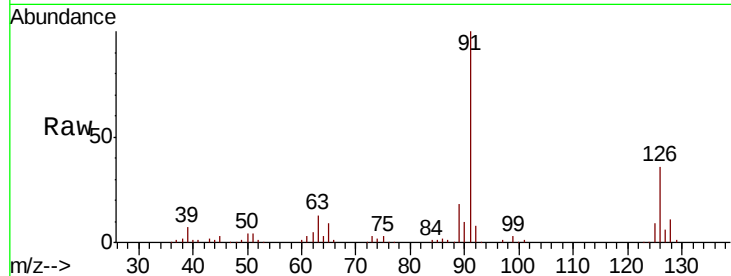
ClientSampled :

Tot Ion: 91 Resp: 188826

Ion Ratio Lower Upper

91 100

126 35.8 0.0 71.0



Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)

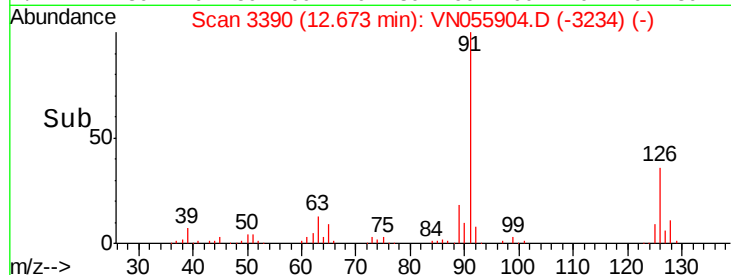
150000

100000

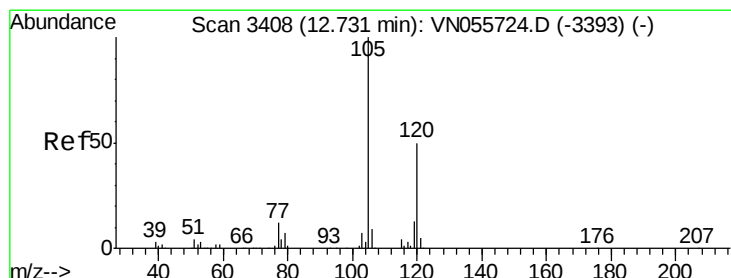
50000

0

12.60 12.65 12.70



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.338 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055904.D

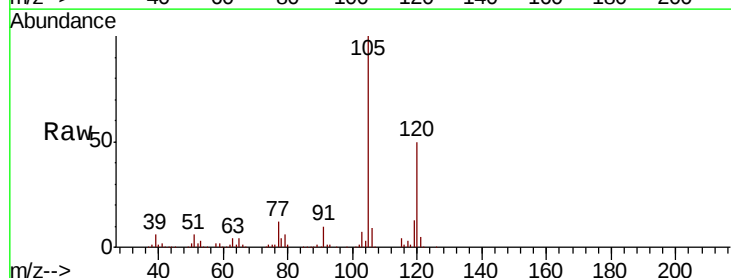
Acq: 30 May 2019 17:04

Tgt Ion:105 Resp: 234937

Ion Ratio Lower Upper

105 100

120 49.9 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

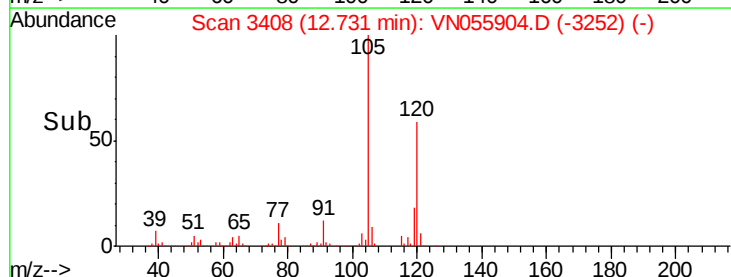
150000

100000

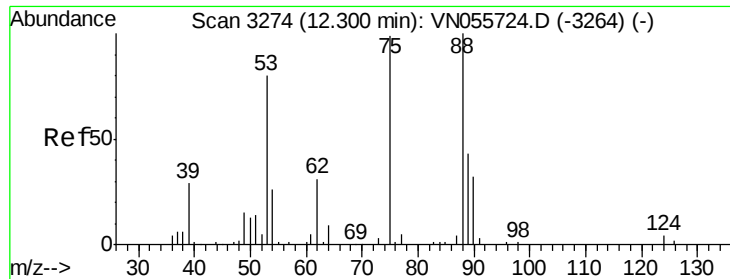
50000

0

12.65 12.70 12.75 12.80



Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 14.580 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

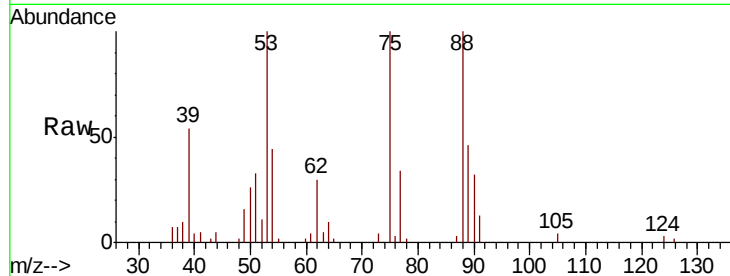
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 21437

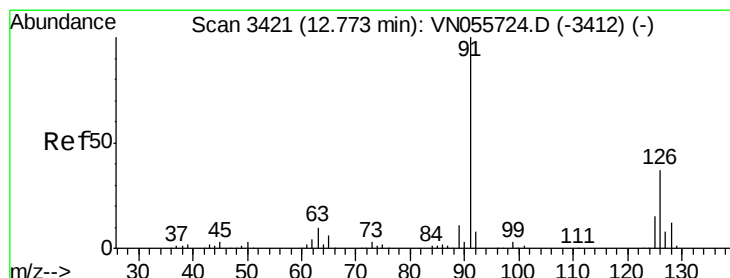
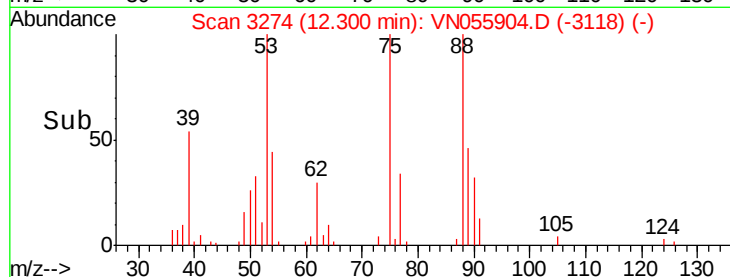
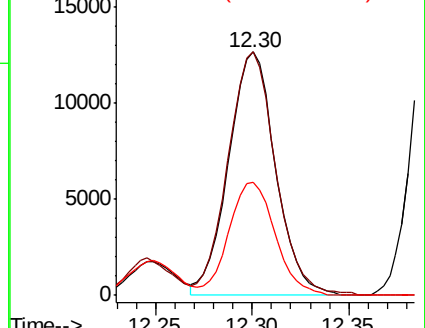
Ion	Ratio	Lower	Upper
75	100		
53	98.5	40.1	120.3
89	46.4	22.6	67.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.759 ug/l

RT: 12.77 min Scan# 3421

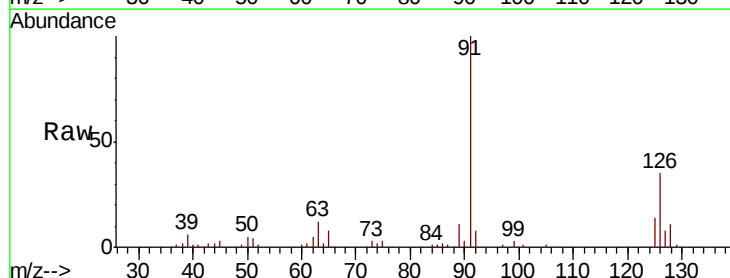
Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

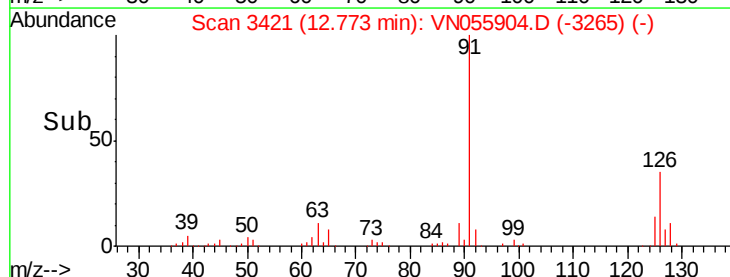
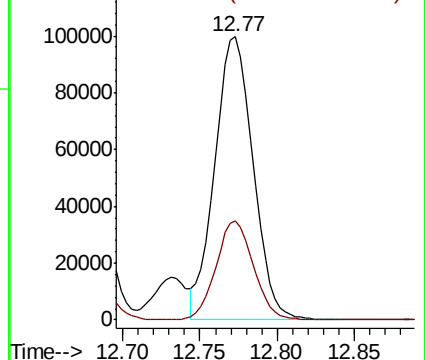
Tgt Ion: 91 Resp: 172409

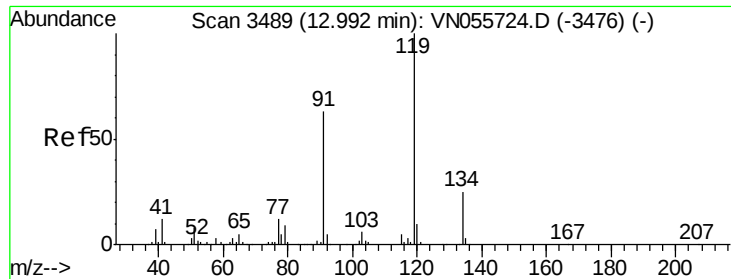
Ion	Ratio	Lower	Upper
91	100		
126	34.0	0.0	69.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

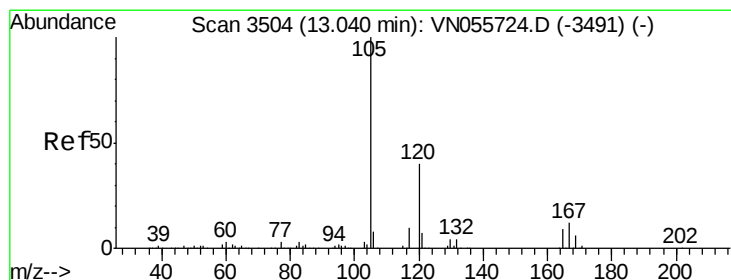
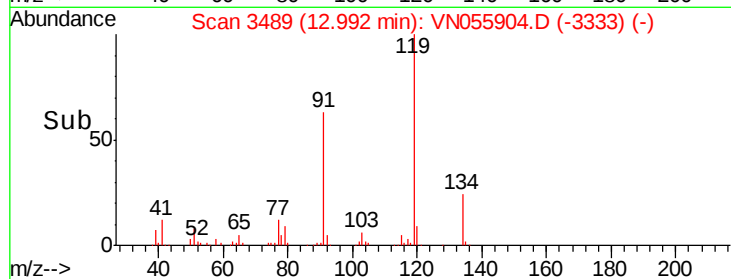
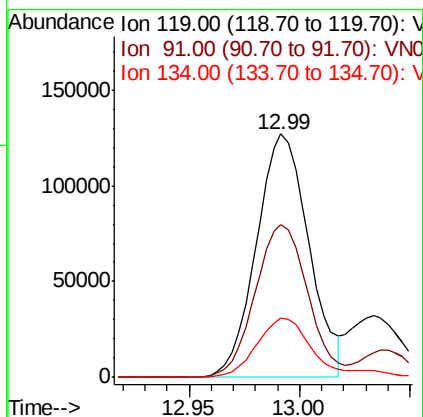
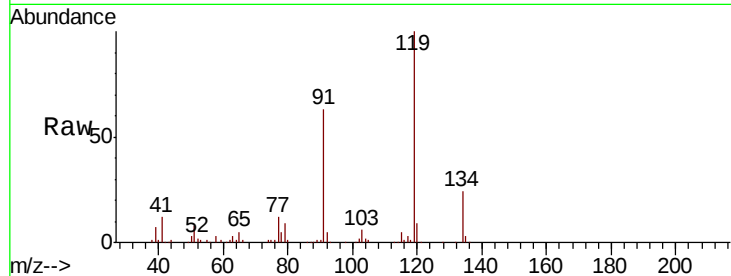




#79
tert-butylbenzene
Concen: 20.600 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

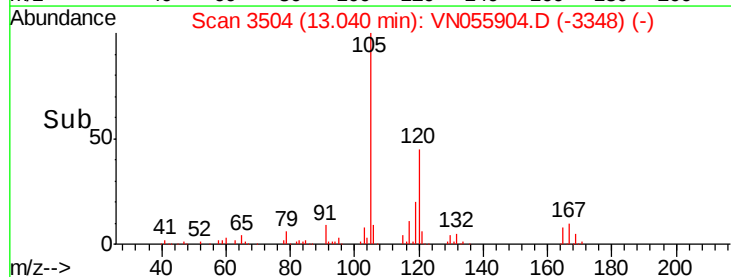
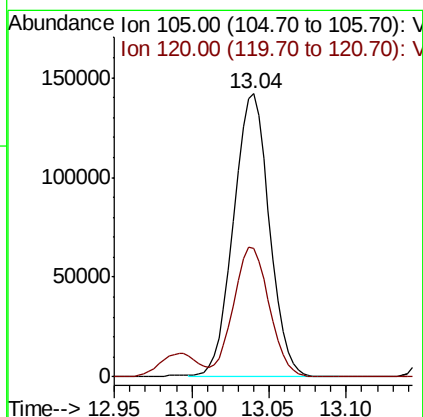
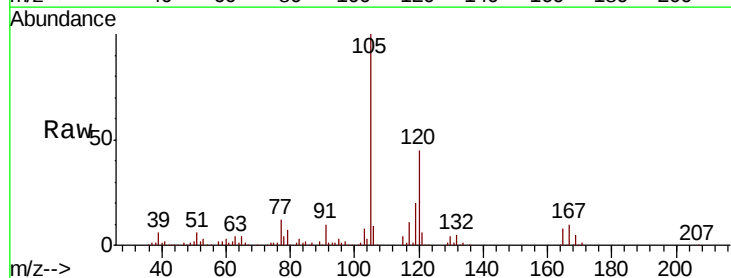
Instrument :
MSVOA_N
ClientSampleId :

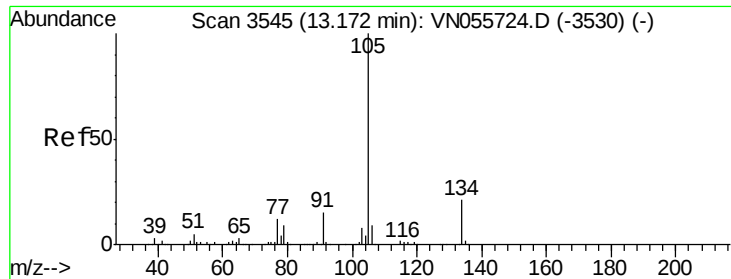
Tot Ion:119 Resp: 209202
Ion Ratio Lower Upper
119 100
91 63.0 0.0 123.8
134 24.8 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 19.943 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion:105 Resp: 228688
Ion Ratio Lower Upper
105 100
120 45.9 0.0 93.6





#81

sec-Butylbenzene

Concen: 20.391 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

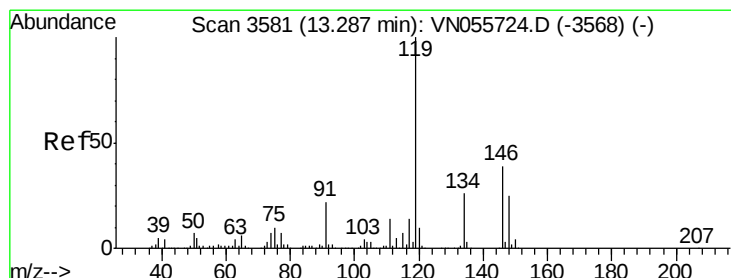
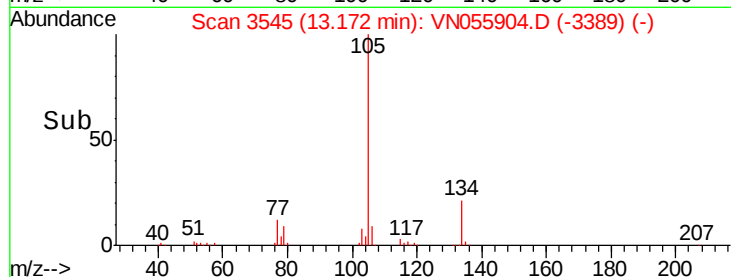
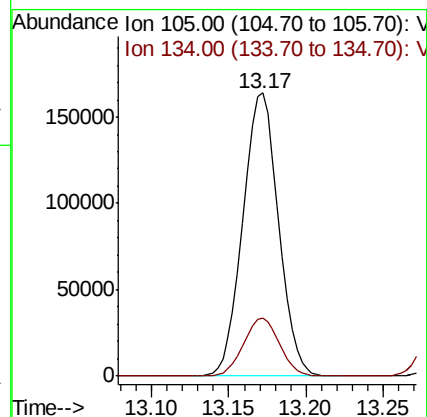
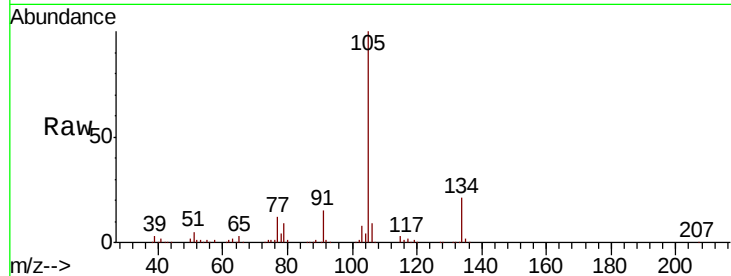
ClientSampleId :

Tot Ion:105 Resp: 263100

Ion Ratio Lower Upper

105 100

134 20.6 0.0 41.4



#82

p-Isopropyltoluene

Concen: 19.929 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

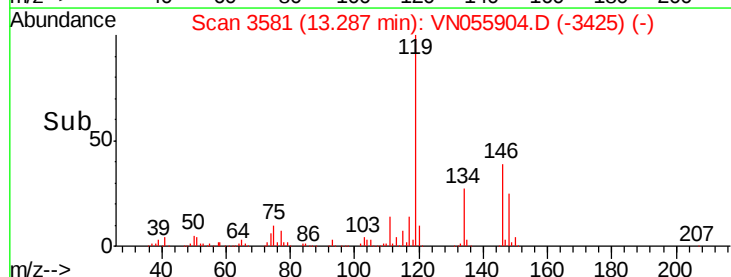
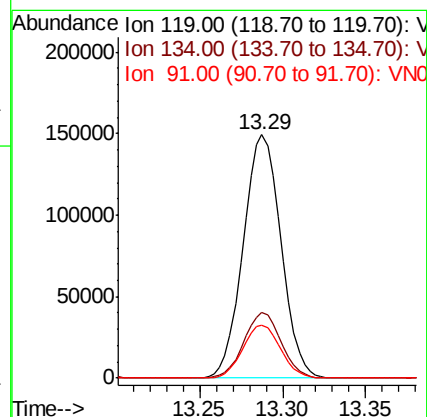
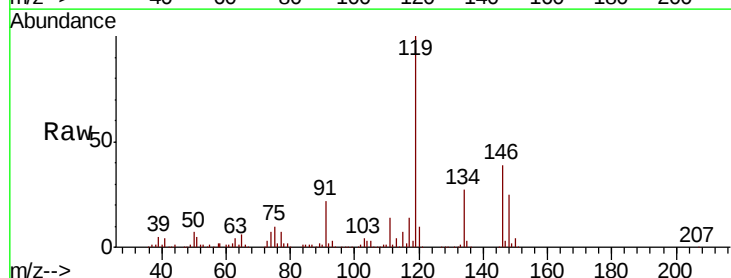
Tgt Ion:119 Resp: 236648

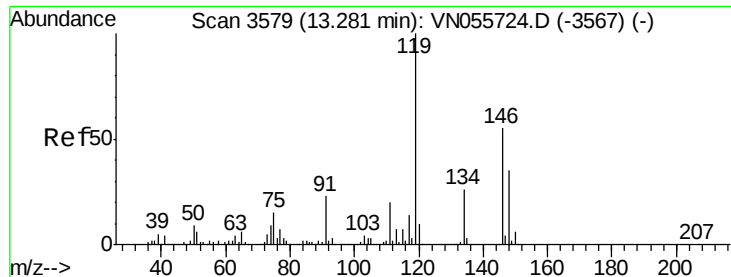
Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.0

91 21.7 0.0 44.4

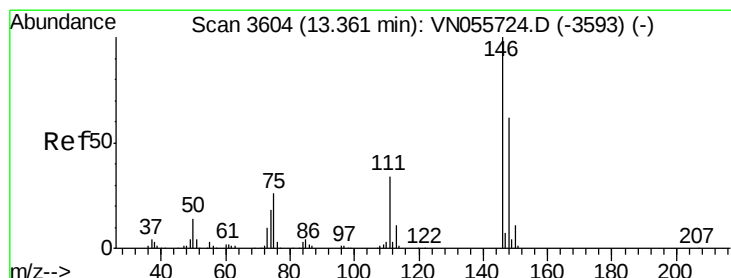
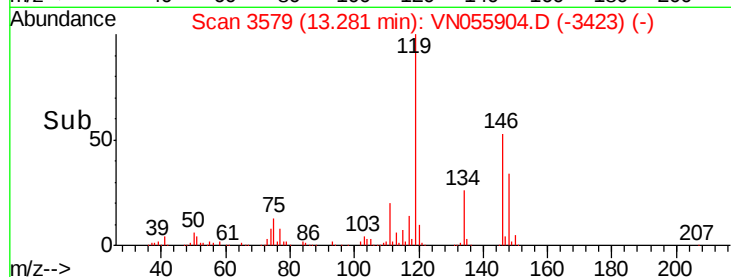
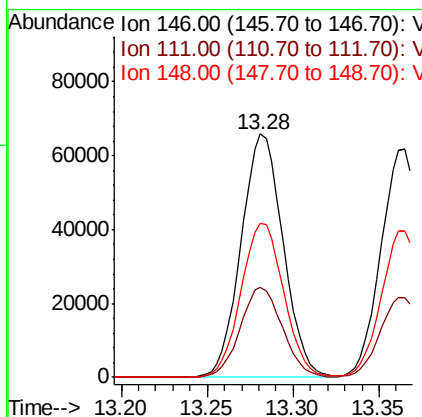
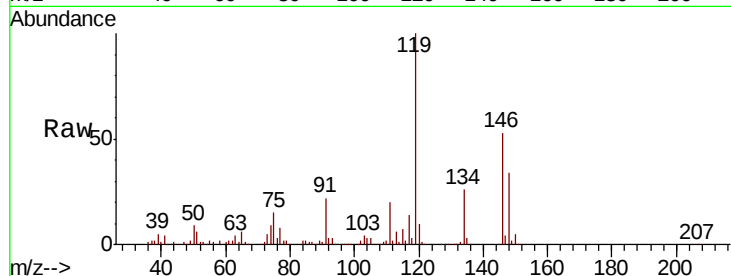




#83
 1,3-Dichlorobenzene
 Concen: 19.295 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

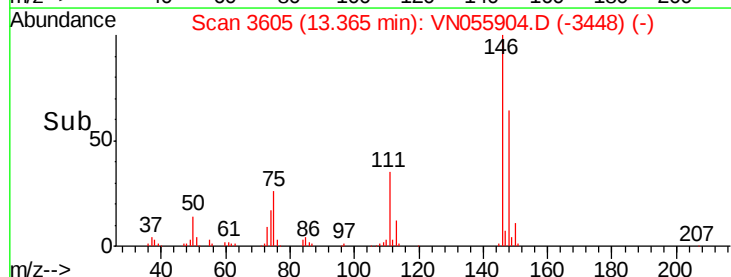
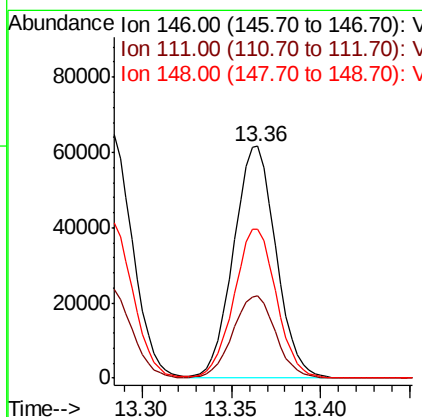
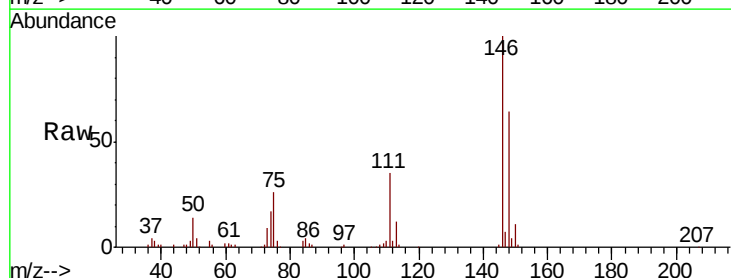
Instrument :
 MSVOA_N
 ClientSampleId :

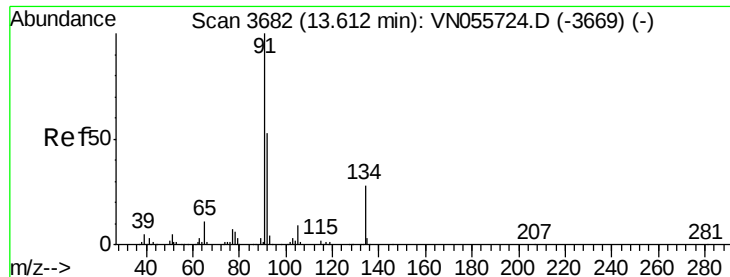
Tot Ion:146 Resp: 111828
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.6
 148 64.3 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.535 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion:146 Resp: 102303
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.5 52.6
 148 64.0 31.8 95.4

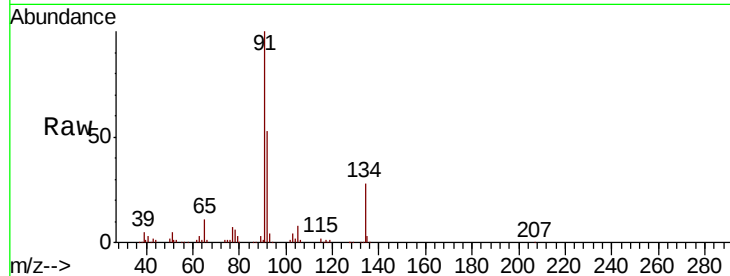




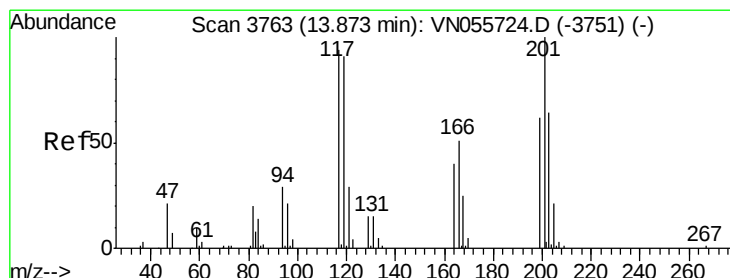
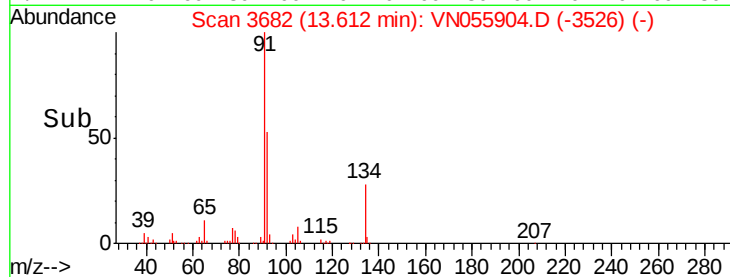
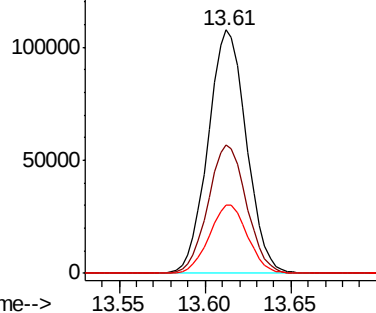
#85
n-Butylbenzene
Concen: 18.006 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 166345
Ion Ratio Lower Upper
91 100
92 52.8 0.0 106.8
134 28.0 0.0 55.2

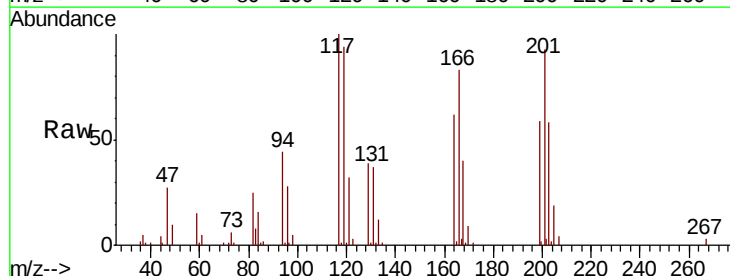


Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN055724.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN055724.D (-3669) (-)

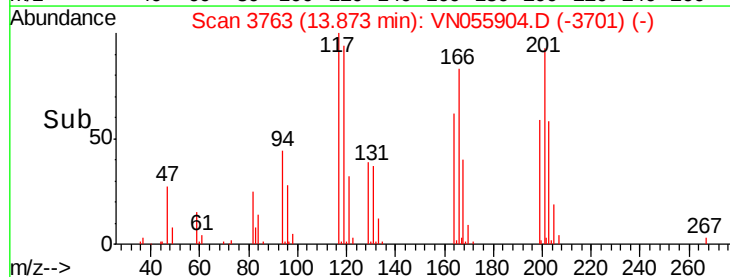
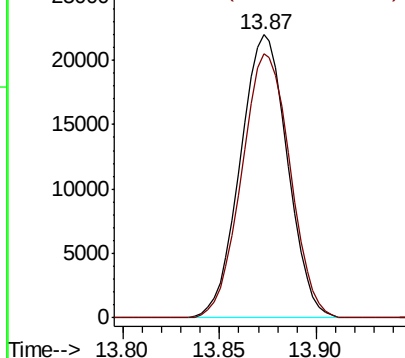


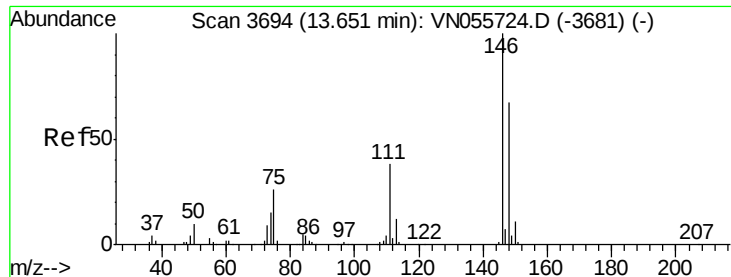
#86
Hexachloroethane
Concen: 15.996 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 117 Resp: 37361
Ion Ratio Lower Upper
117 100
201 95.4 52.5 157.6



Abundance Ion 117.00 (116.70 to 117.70): VN055724.D (-3751) (-)
Ion 201.00 (200.70 to 201.70): VN055724.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 19.682 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

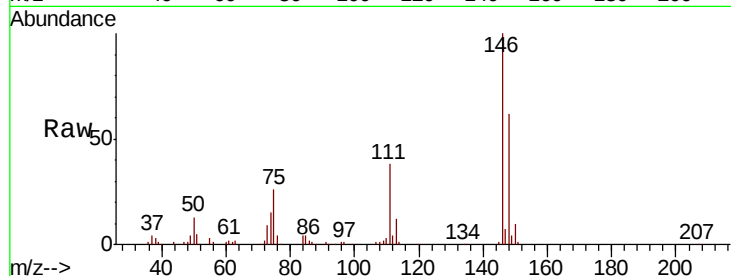
Tot Ion:146 Resp: 114861

Ion Ratio Lower Upper

146 100

111 38.4 19.2 57.6

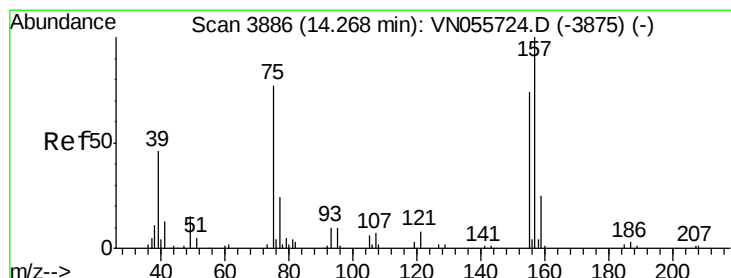
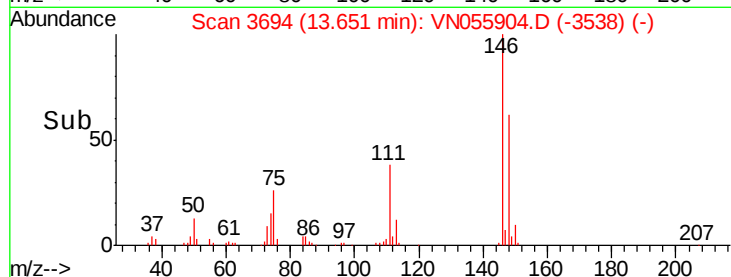
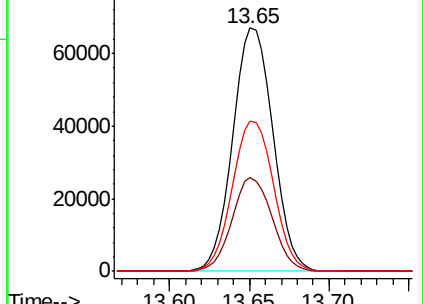
148 63.4 32.7 98.1



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: 16.695 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

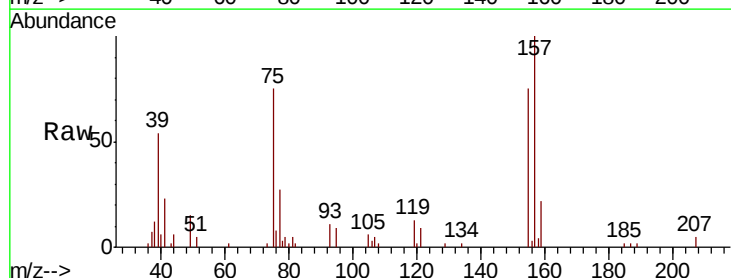
Tgt Ion: 75 Resp: 13609

Ion Ratio Lower Upper

75 100

155 99.0 78.4 117.6

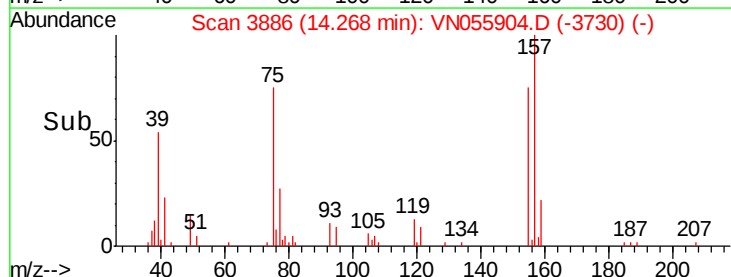
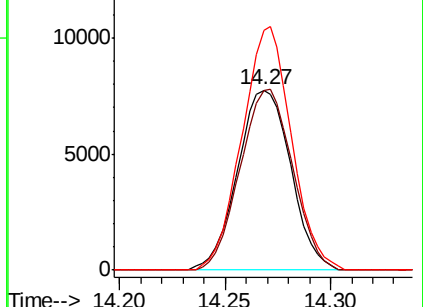
157 125.9 105.0 157.4

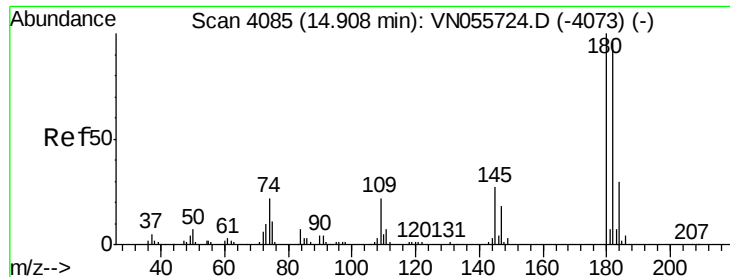


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

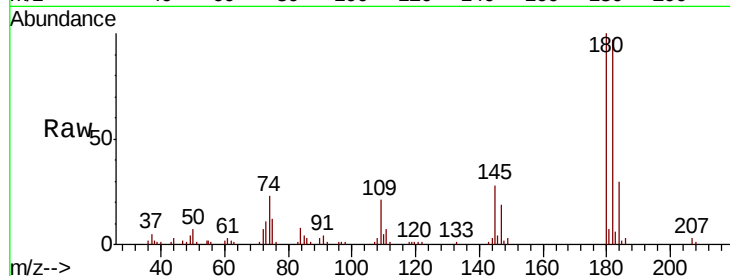




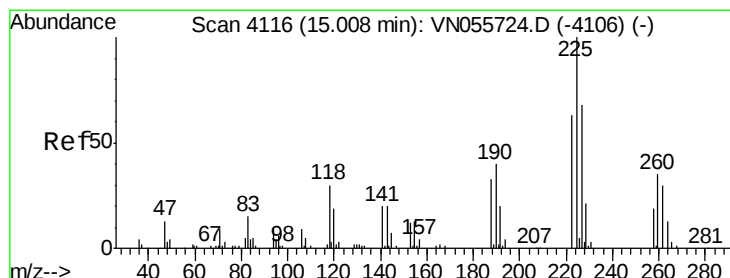
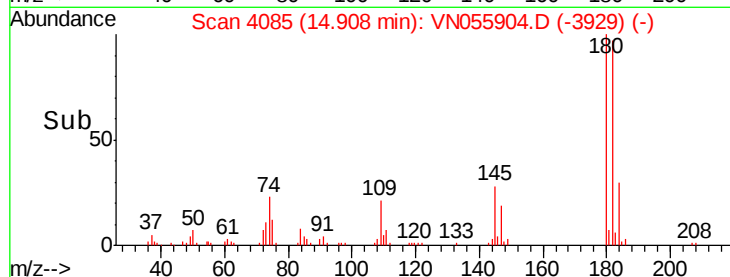
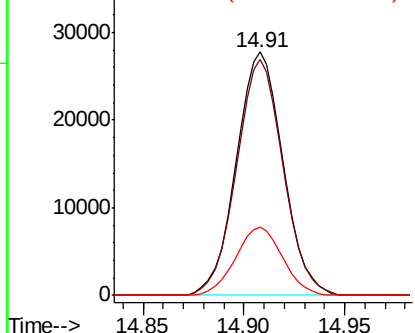
#89
1,2,4-Trichlorobenzene
Concen: 14.274 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:180 Resp: 44967
Ion Ratio Lower Upper
180 100
182 96.7 76.1 114.1
145 28.2 21.8 32.8

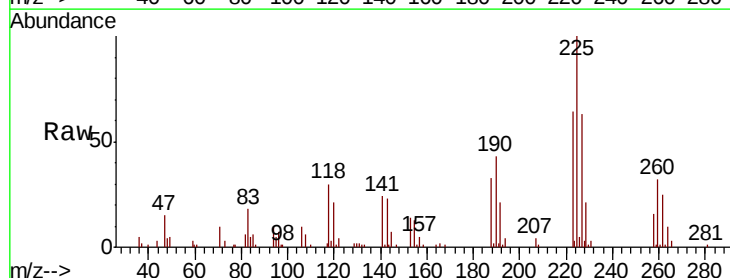


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

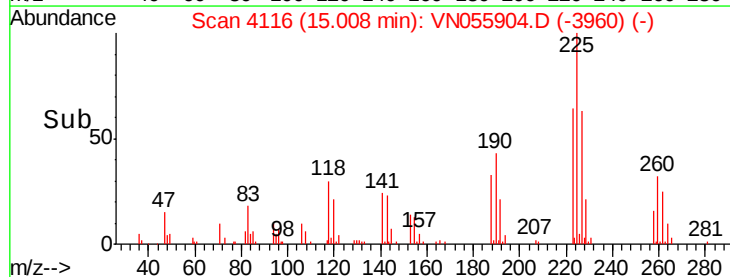
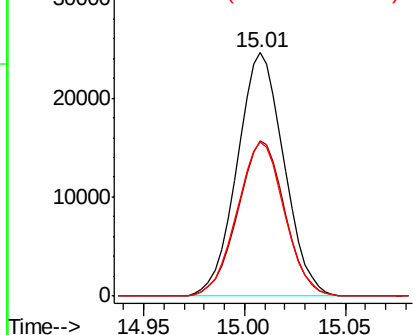


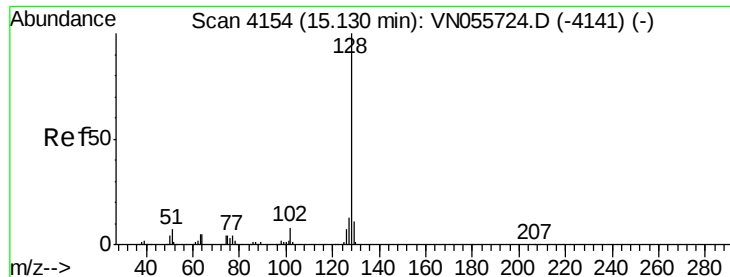
#90
Hexachlorobutadiene
Concen: 16.980 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion:225 Resp: 39912
Ion Ratio Lower Upper
225 100
223 64.3 0.0 126.0
227 64.1 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 15.333 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

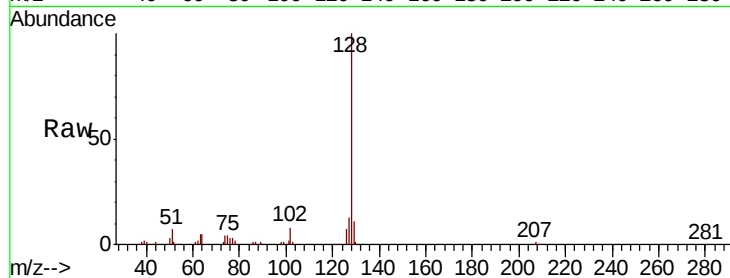
Tot Ion:128 Resp: 131979

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

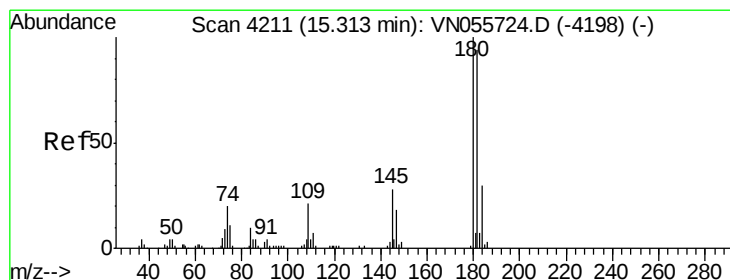
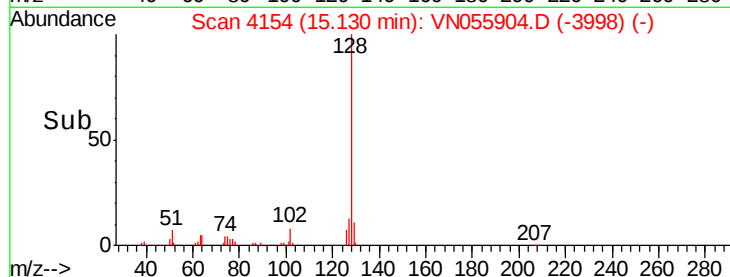
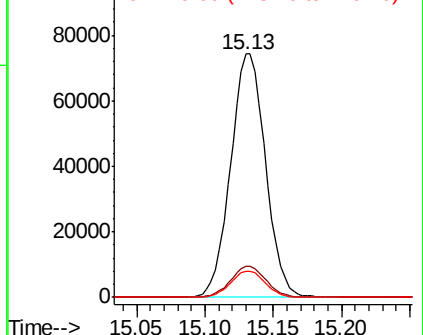
129 10.6 8.7 13.1



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: 15.818 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

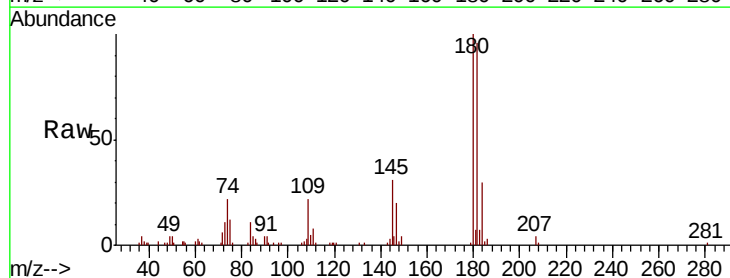
Tgt Ion:180 Resp: 52077

Ion Ratio Lower Upper

180 100

182 96.8 0.0 188.6

145 32.0 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

