

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055900.D
 Acq On : 30 May 2019 15:22
 Operator : JC/SP
 Sample : VN0530WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 31 04:49:19 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	48630	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	269724	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	234592	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	98103	30.86	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.87%
60) 4-Bromofluorobenzene	12.40	95	105881	29.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.70%
63) Toluene-d8	10.09	98	321135	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	41740	19.576	ug/l 96
3) Chloromethane	2.06	50	58596	19.321	ug/l 99
4) Vinyl Chloride	2.18	62	62229	20.104	ug/l 99
5) Bromomethane	2.54	94	39819	21.972	ug/l 100
6) Chloroethane	2.69	64	38002	21.016	ug/l 98
7) Trichlorofluoromethane	3.00	101	82521	21.250	ug/l 99
8) Diethyl Ether	3.40	74	36754	21.530	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53098	21.640	ug/l 99
10) 1,1-Dichloroethene	3.72	96	51701	20.142	ug/l 98
11) Methyl Iodide	3.94	142	72850	19.895	ug/l 98
12) Methyl Acetate	4.33	43	63491	20.225	ug/l 98
13) Acrolein	3.60	56	37345	85.614	ug/l 99
14) Acrylonitrile	4.99	53	137794	96.275	ug/l 100
15) Acetone	3.82	58	47450	106.749	ug/l 99
16) Carbon Disulfide	4.04	76	123740	16.814	ug/l 99
17) Allyl chloride	4.31	41	85547	18.505	ug/l 97
18) Methylene Chloride	4.54	84	60847	20.698	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	55548	20.117	ug/l 99
20) Diisopropyl ether	5.95	45	173993	19.401	ug/l 99
21) 1,1-Dichloroethane	5.84	63	100261	19.781	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	65544	20.353	ug/l 96
23) tert-Butyl Alcohol	4.81	59	63985	101.794	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	174728	20.062	ug/l 100
25) Chloroform	7.37	83	101277	20.231	ug/l 99
26) Cyclohexane	7.65	56	93171	19.926	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	75796	20.073	ug/l 98
30) 2-Butanone	6.84	43	198490	98.625	ug/l 100
31) 2,2-Dichloropropane	6.82	77	83053	18.902	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	85696	19.148	ug/l 100
33) Carbon Tetrachloride	7.77	117	72091	18.007	ug/l 98
34) Benzene	8.04	78	236106	20.254	ug/l 100
35) Methacrylonitrile	7.17	41	33623	18.100	ug/l 97
36) 1,2-Dichloroethane	8.12	62	79462	20.859	ug/l 99
37) Trichloroethene	8.83	130	66093	20.320	ug/l 100
38) Methylcyclohexane	9.08	83	96425	20.156	ug/l 99
39) 1,2-Dichloropropane	9.12	63	61509	19.627	ug/l 96
40) Dibromomethane	9.21	93	40131	19.831	ug/l 95

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 31 04:49:19 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	75665	18.244	ug/l	99
42) Vinyl Acetate	5.89	43	730902	93.539	ug/l	100
43) Ethyl Acetate	6.93	43	67641	17.099	ug/l #	100
44) Isopropyl Acetate	8.17	43	119062	18.175	ug/l #	86
45) 1,4-Dioxane	9.20	88	23811	386.368	ug/l	98
46) Methyl methacrylate	9.20	41	55938	18.302	ug/l	98
47) n-amyl Acetate	12.07	43	97513	17.997	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	78101	17.059	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	91680	18.295	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	58071	19.712	ug/l	98
51) Ethyl methacrylate	10.43	69	87556	18.439	ug/l	99
52) 1,3-Dichloropropane	10.71	76	95924	19.754	ug/l	99
53) Dibromochloromethane	10.90	129	58569	16.829	ug/l	97
54) 1,2-Dibromoethane	11.00	107	60941	19.991	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	163590	88.544	ug/l	100
56) Bromoform	12.13	173	40135	14.059	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	367339	94.588	ug/l	100
59) 2-Hexanone	10.75	43	261060	94.028	ug/l	99
61) Tetrachloroethene	10.63	164	65668	20.679	ug/l	98
62) Toluene	10.15	91	259490	20.570	ug/l	100
64) Chlorobenzene	11.43	112	155859	20.367	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	57349	18.600	ug/l	99
66) Ethyl Benzene	11.51	91	277754	20.151	ug/l	99
67) m/p-Xylenes	11.62	106	215051	41.070	ug/l	98
68) o-Xylene	11.95	106	104261	20.122	ug/l	100
69) Styrene	11.96	104	166623	19.491	ug/l	99
70) Isopropylbenzene	12.25	105	277223	20.448	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	82018	19.658	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	96686	26.925	ug/l	69
73) Bromobenzene	12.53	156	70140	19.556	ug/l	99
74) n-propylbenzene	12.59	91	297369	20.338	ug/l	100
75) 2-Chlorotoluene	12.67	91	184794	20.690	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	233029	20.795	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	20605	14.446	ug/l	87
78) 4-Chlorotoluene	12.77	91	169967	20.079	ug/l	100
79) tert-butylbenzene	12.99	119	204710	20.779	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	225384	20.260	ug/l	99
81) sec-Butylbenzene	13.17	105	262294	20.955	ug/l	99
82) p-Isopropyltoluene	13.29	119	237252	20.595	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	112664	20.039	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	103807	19.387	ug/l	100
85) n-Butylbenzene	13.61	91	173419	19.351	ug/l	99
86) Hexachloroethane	13.87	117	36952	16.309	ug/l	88
87) 1,2-Dichlorobenzene	13.65	146	114525	20.229	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12682	16.037	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	48862	15.989	ug/l	99
90) Hexachlorobutadiene	15.01	225	43875	19.242	ug/l	98
91) Naphthalene	15.13	128	126779	15.183	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	54440	17.045	ug/l	99

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ClientSampleId :

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QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

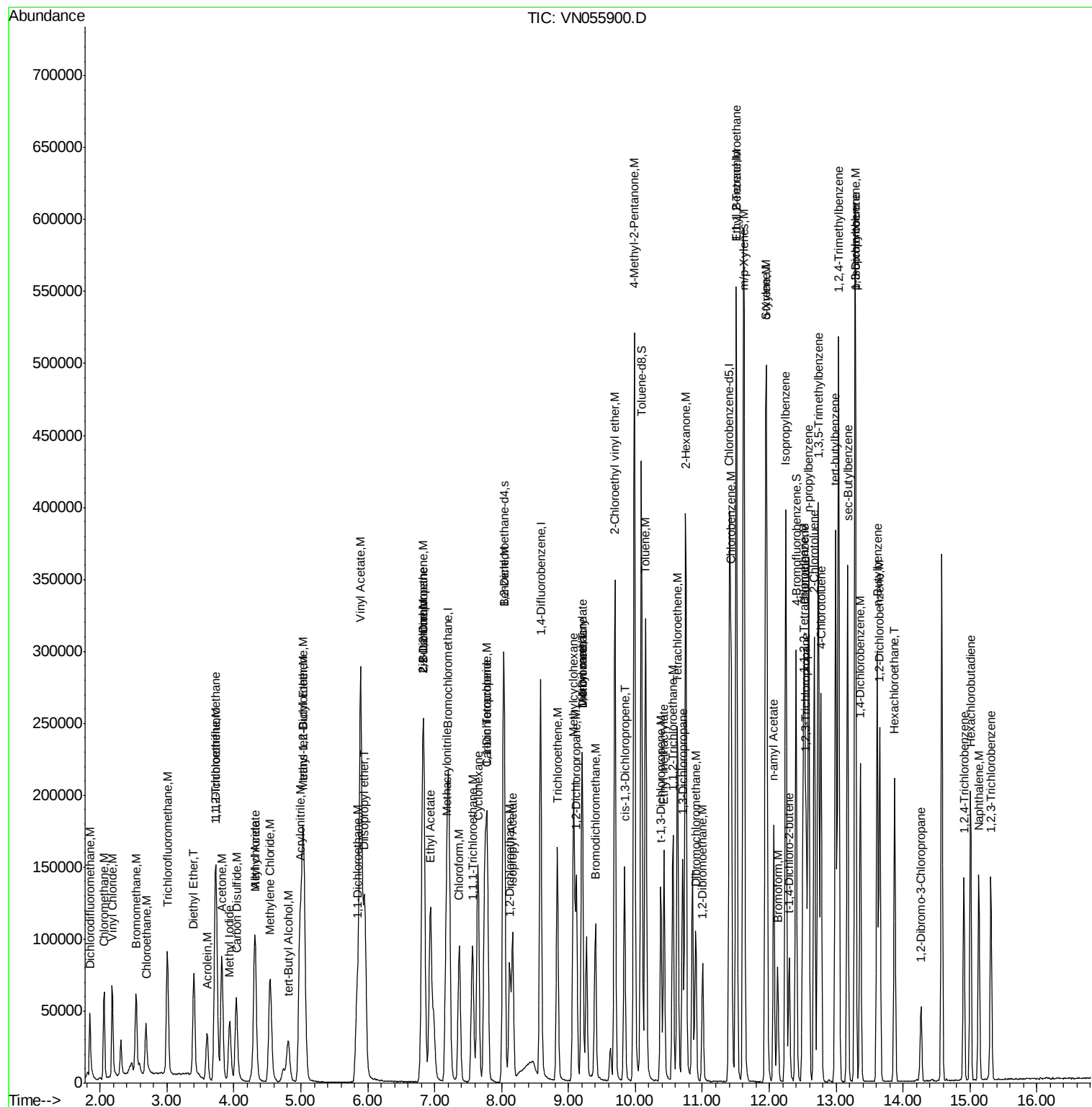
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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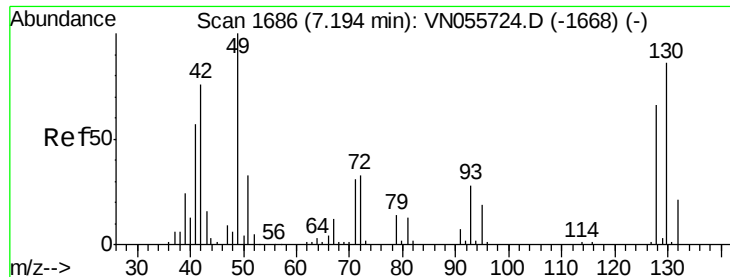
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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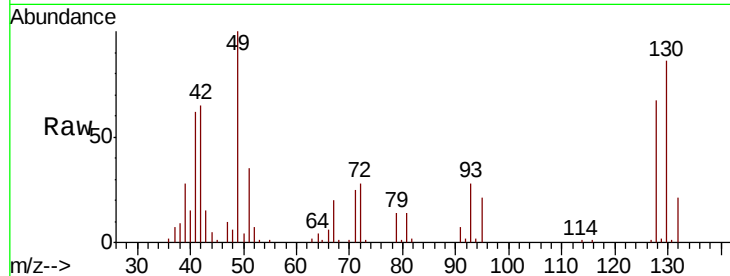




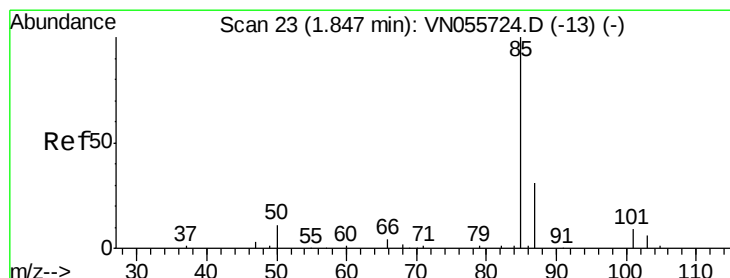
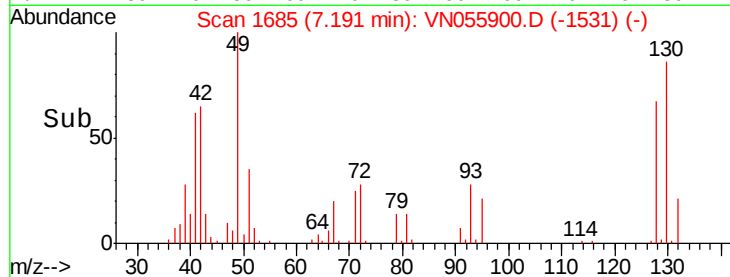
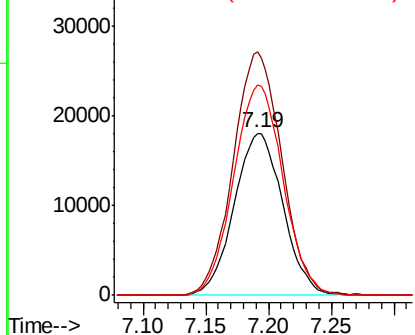
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:128 Resp: 48630
 Ion Ratio Lower Upper
 128 100
 49 150.1 0.0 383.2
 130 131.9 0.0 326.3

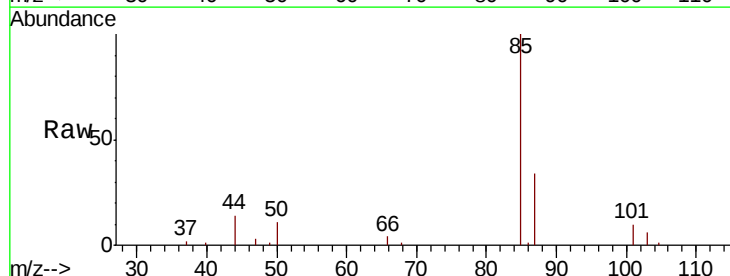


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

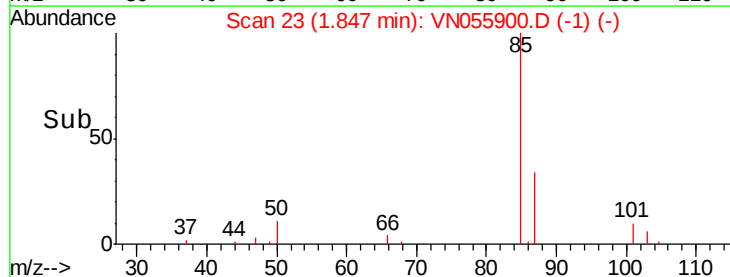
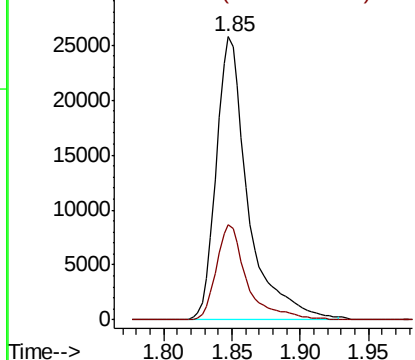


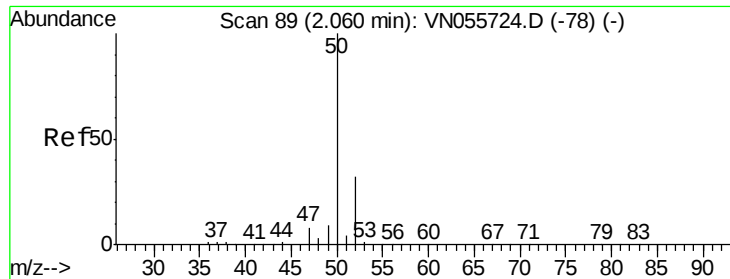
#2
 Dichlorodifluoromethane
 Concen: 19.576 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion: 85 Resp: 41740
 Ion Ratio Lower Upper
 85 100
 87 33.7 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: 19.321 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

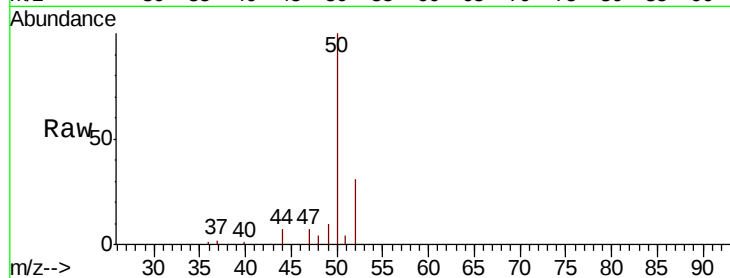
ClientSampleId :

Tot Ion: 50 Resp: 58596

Ion Ratio Lower Upper

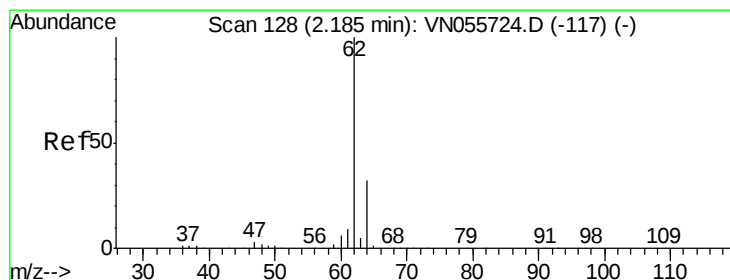
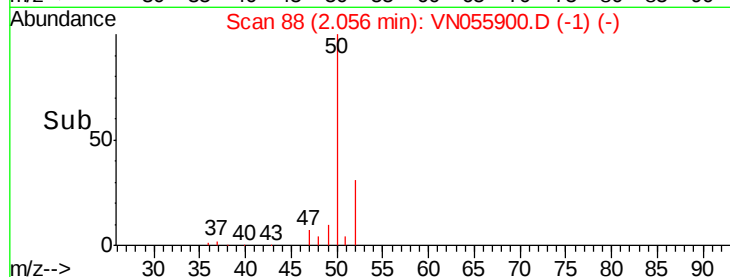
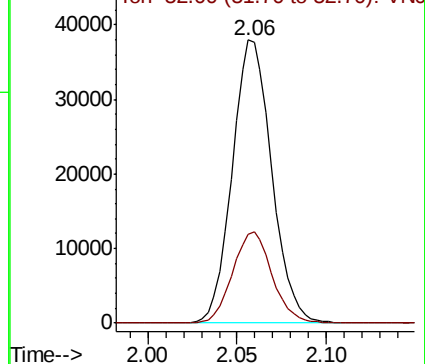
50 100

52 31.3 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.104 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055900.D

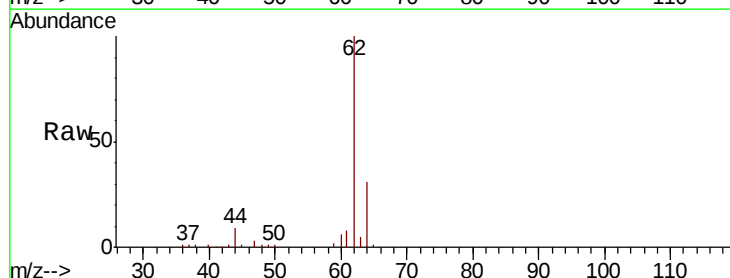
Acq: 30 May 2019 15:22

Tgt Ion: 62 Resp: 62229

Ion Ratio Lower Upper

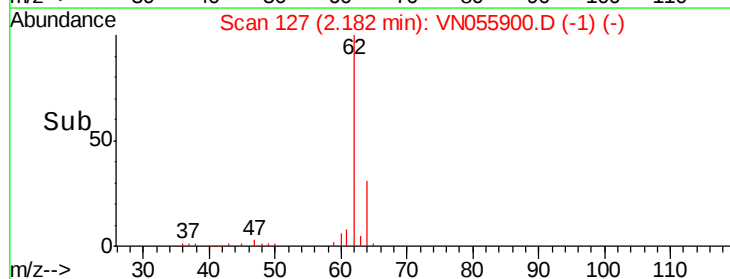
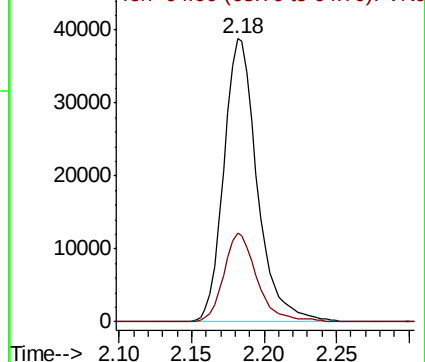
62 100

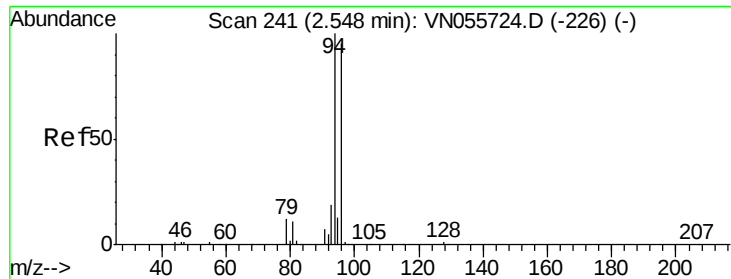
64 31.3 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.972 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

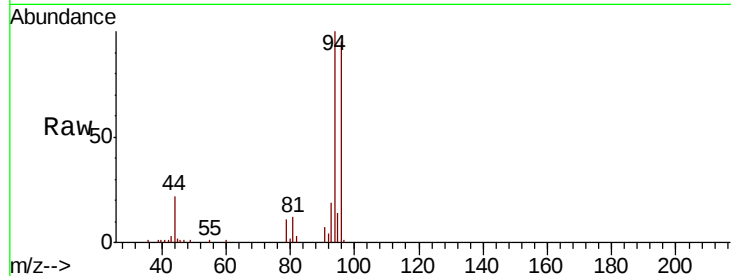
ClientSampleId :

Tot Ion: 94 Resp: 39819

Ion Ratio Lower Upper

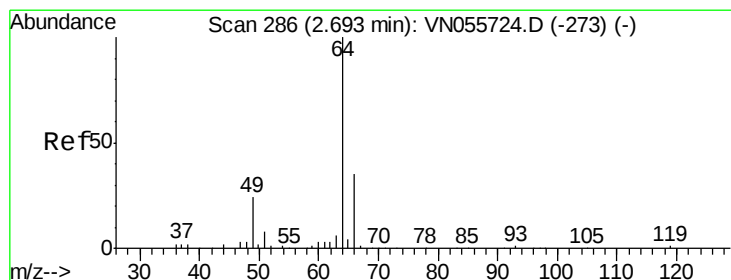
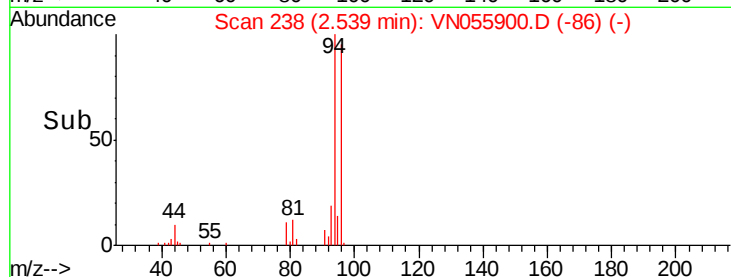
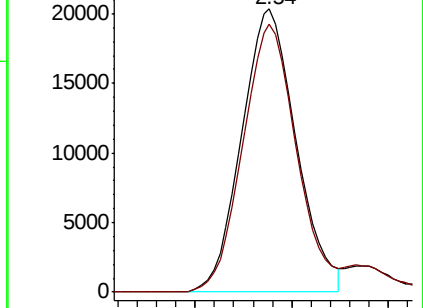
94 100

96 94.8 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN055900.D (-238) (-)

Ion 96.00 (95.70 to 96.70): VN055900.D (-238) (-)



#6

Chloroethane

Concen: 21.016 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN055900.D

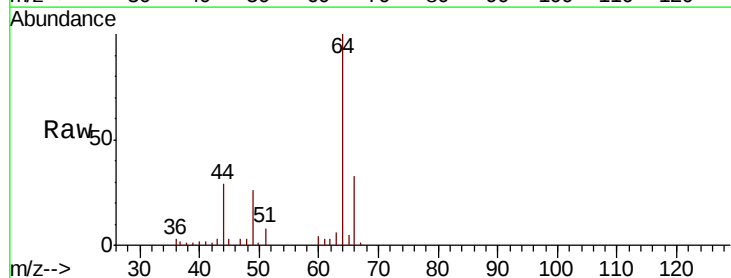
Acq: 30 May 2019 15:22

Tgt Ion: 64 Resp: 38002

Ion Ratio Lower Upper

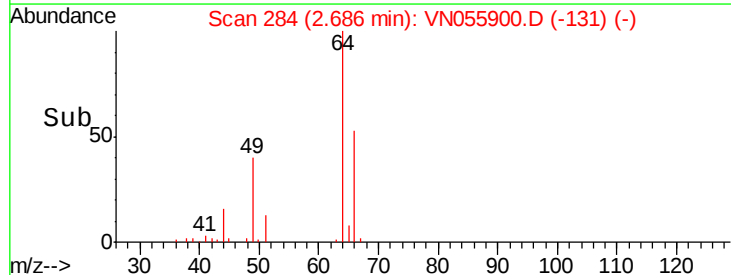
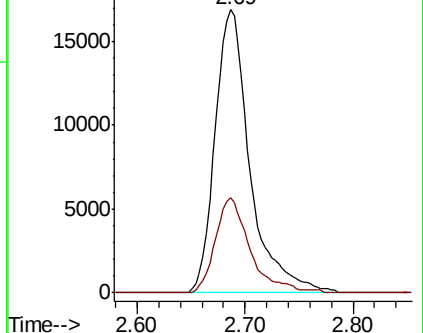
64 100

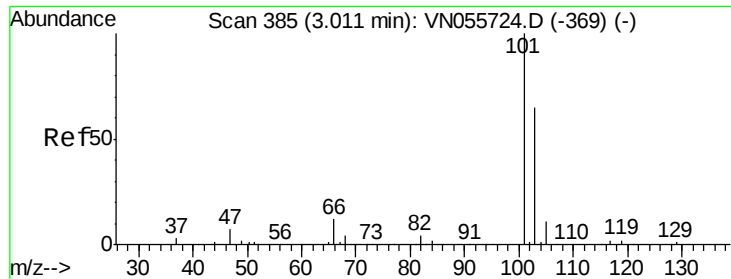
66 33.5 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN055900.D (-284) (-)

Ion 66.00 (65.70 to 66.70): VN055900.D (-284) (-)



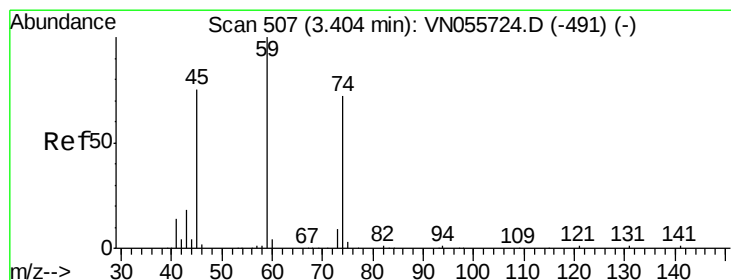
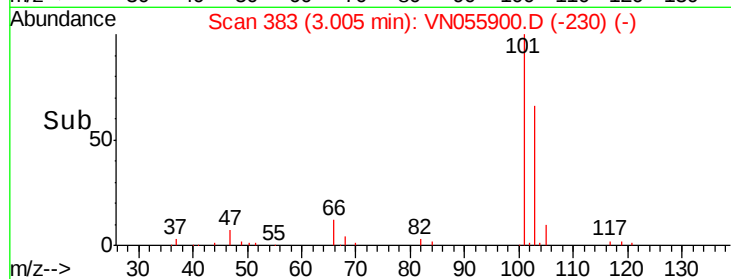
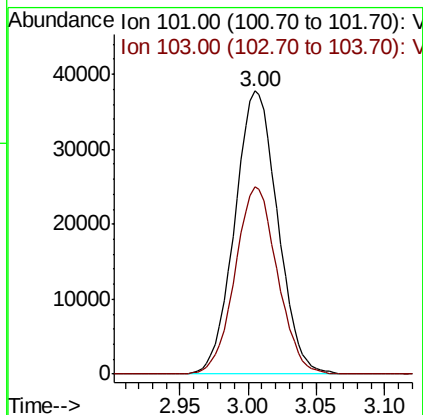
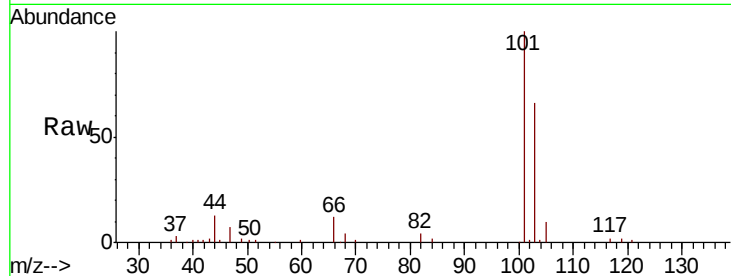


#7

Trichlorofluoromethane
Concen: 21.250 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :

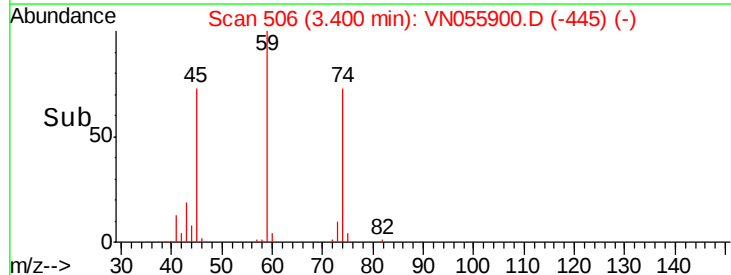
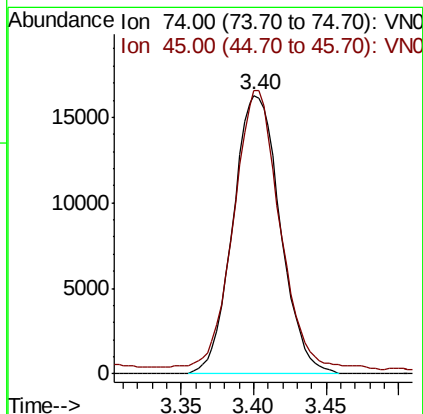
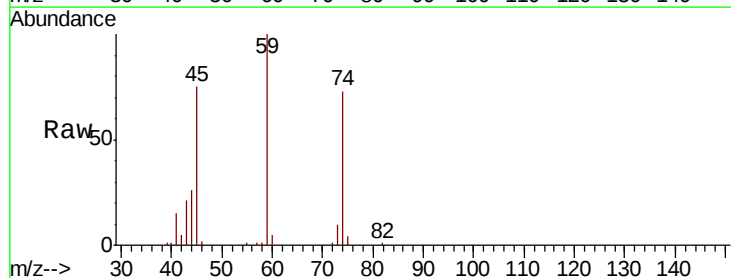
Tot Ion:101 Resp: 82521
Ion Ratio Lower Upper
101 100
103 66.1 52.6 78.8

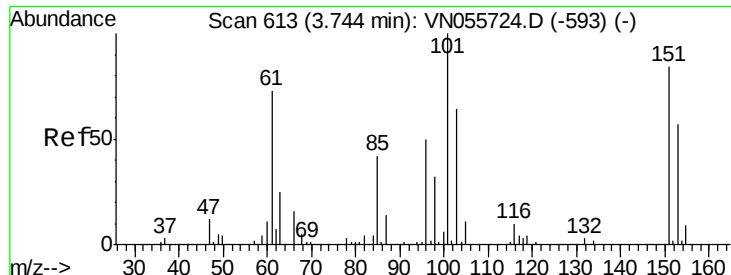


#8

Diethyl Ether
Concen: 21.530 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 74 Resp: 36754
Ion Ratio Lower Upper
74 100
45 94.5 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.640 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

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MSVOA_N

ClientSampleId :

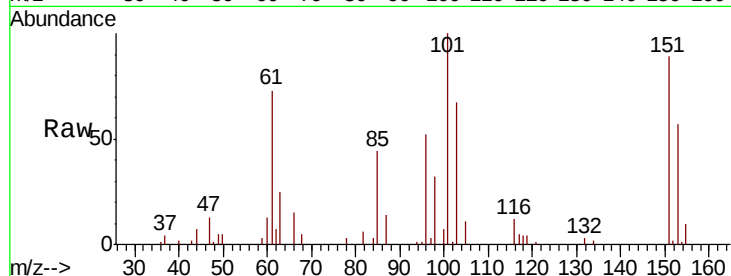
Tot Ion:101 Resp: 53098

Ion Ratio Lower Upper

101 100

85 42.2 0.0 86.6

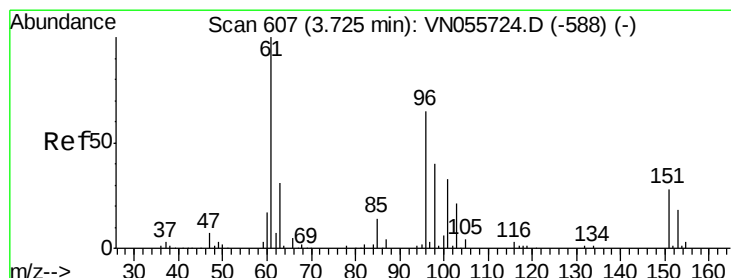
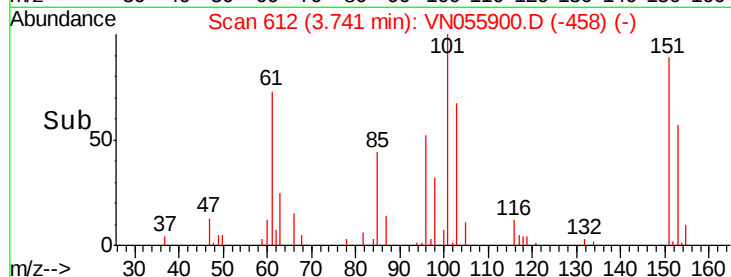
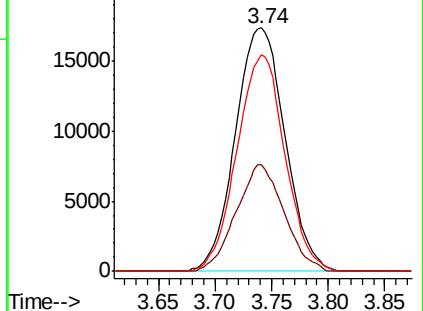
151 85.9 0.0 172.2



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: 20.142 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.01 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

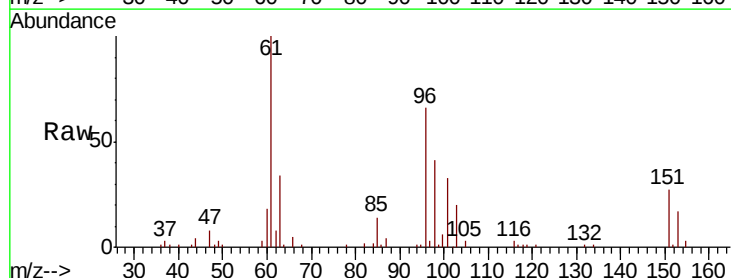
Tgt Ion: 96 Resp: 51701

Ion Ratio Lower Upper

96 100

61 151.4 123.7 185.5

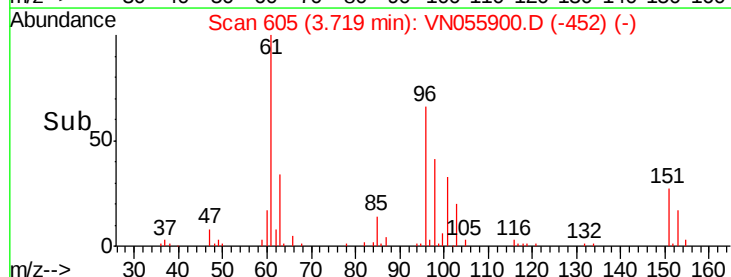
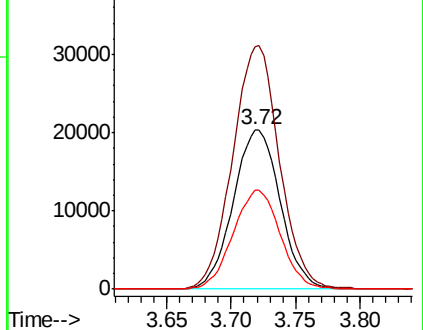
98 62.0 50.0 75.0

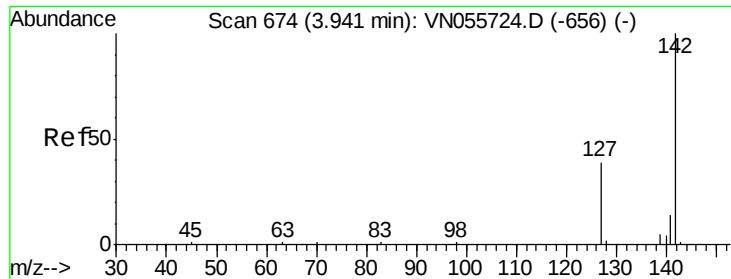


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

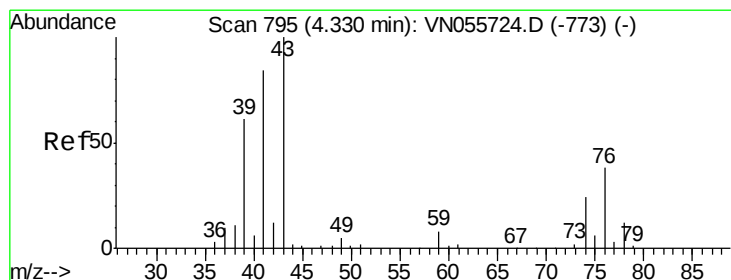
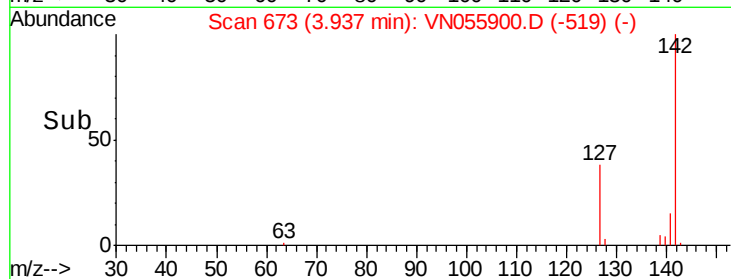
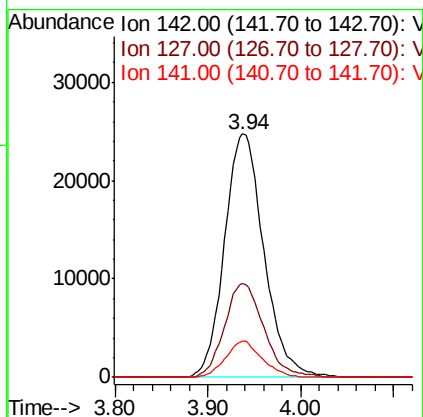
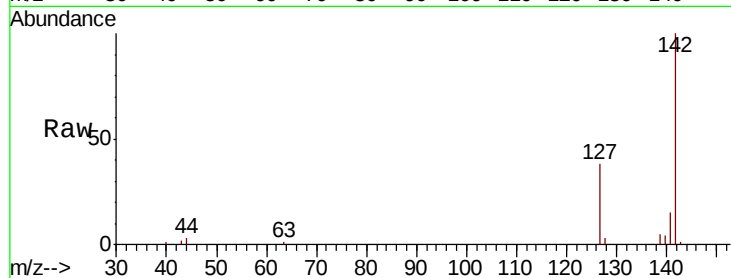




#11
Methyl Iodide
Concen: 19.895 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

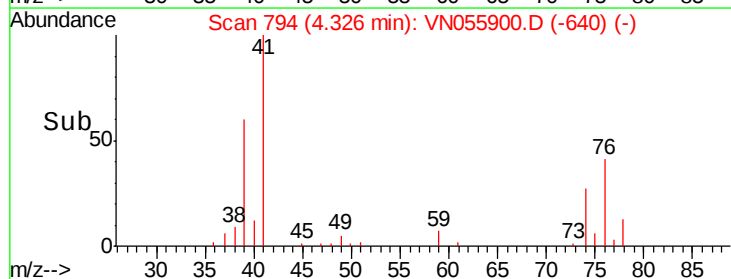
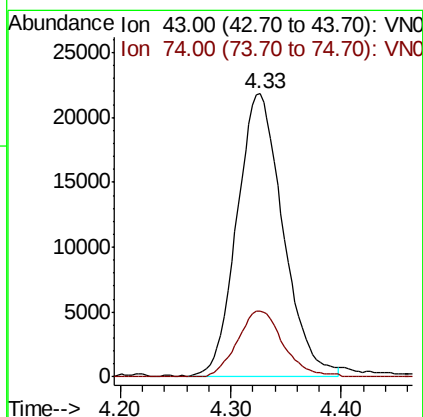
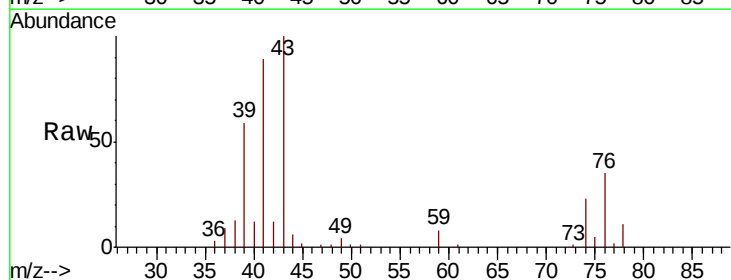
Instrument :
MSVOA_N
ClientSampleId :

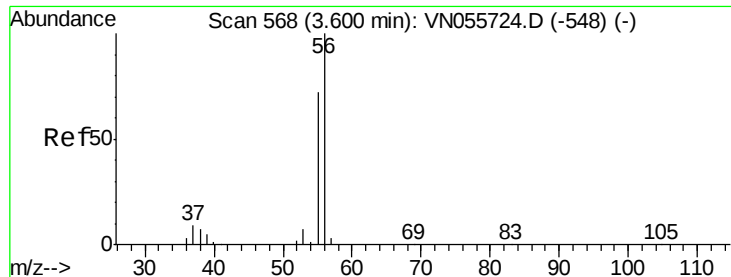
Tot Ion:142 Resp: 72850
Ion Ratio Lower Upper
142 100
127 38.3 19.6 58.7
141 14.9 6.9 20.6



#12
Methyl Acetate
Concen: 20.225 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 43 Resp: 63491
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8





#13

Acrolein

Concen: 85.614 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

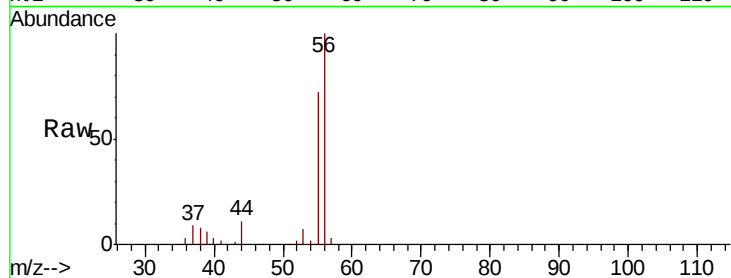
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 37345

Ion Ratio Lower Upper

56 100

55 71.9 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN055724.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN055724.D (-548) (-)

3.60

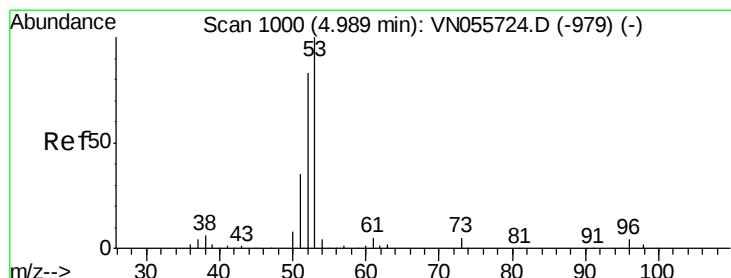
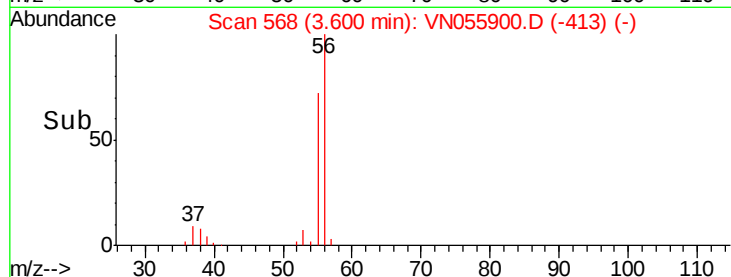
15000

10000

5000

0

Time-->



#14

Acrylonitrile

Concen: 96.275 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

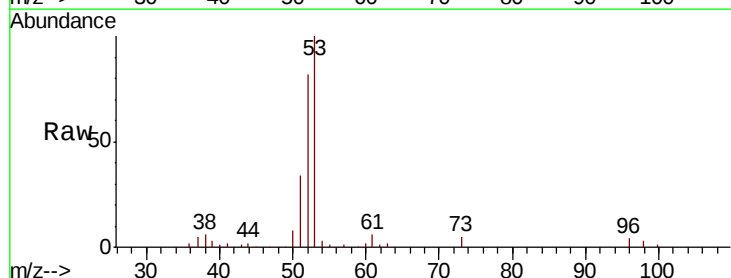
Tgt Ion: 53 Resp: 137794

Ion Ratio Lower Upper

53 100

52 82.4 41.1 123.4

51 35.7 17.5 52.6



Abundance Ion 53.00 (52.70 to 53.70): VN055724.D (-979) (-)

Ion 52.00 (51.70 to 52.70): VN055724.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VN055724.D (-979) (-)

4.99

50000

40000

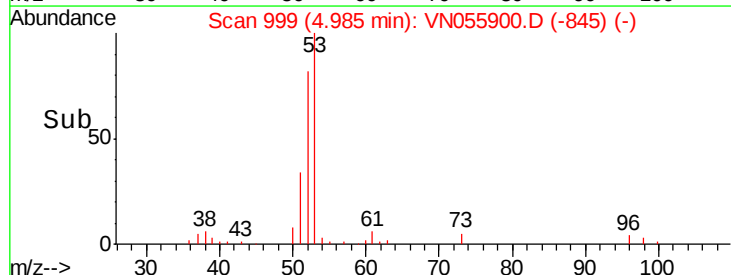
30000

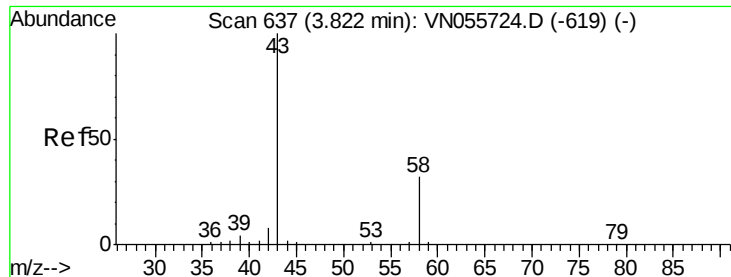
20000

10000

0

Time-->





#15

Acetone

Concen: 106.749 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

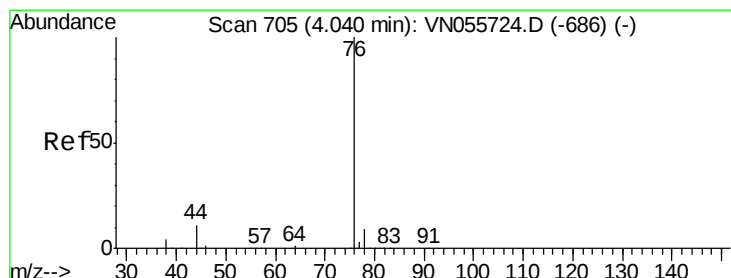
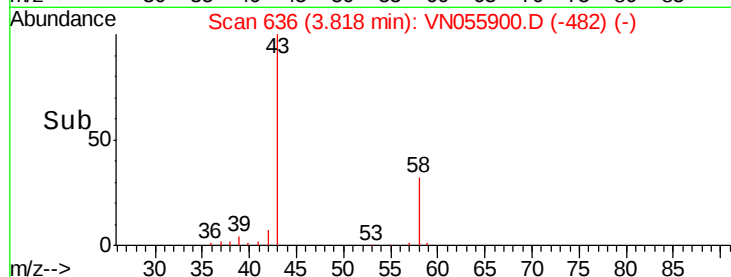
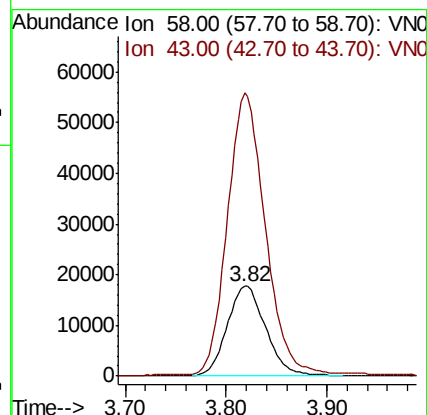
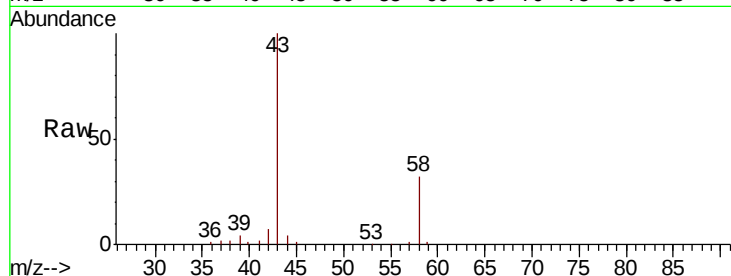
ClientSampled :

Tot Ion: 58 Resp: 47450

Ion Ratio Lower Upper

58 100

43 312.4 248.8 373.2



#16

Carbon Disulfide

Concen: 16.814 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055900.D

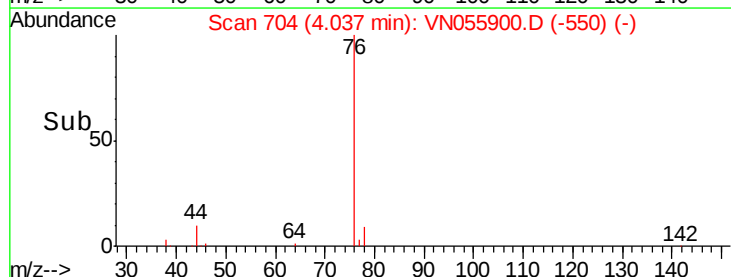
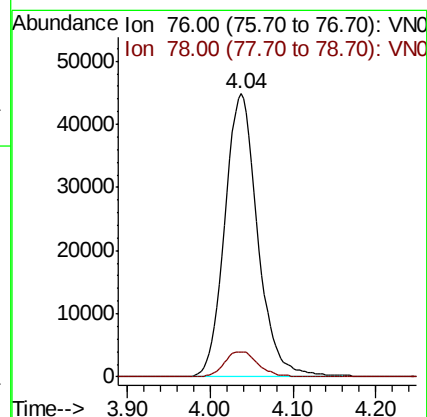
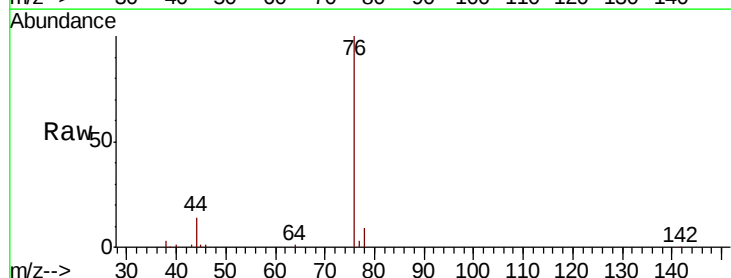
Acq: 30 May 2019 15:22

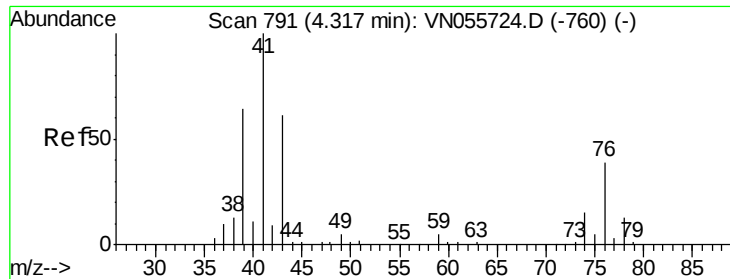
Tgt Ion: 76 Resp: 123740

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





#17

Allvl chloride

Concen: 18.505 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

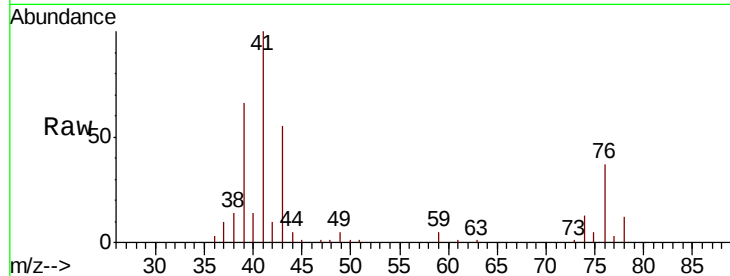
Tot Ion: 41 Resp: 85547

Ion Ratio Lower Upper

41 100

39 66.1 31.8 95.3

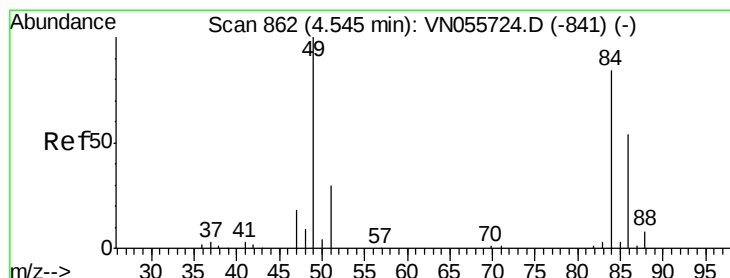
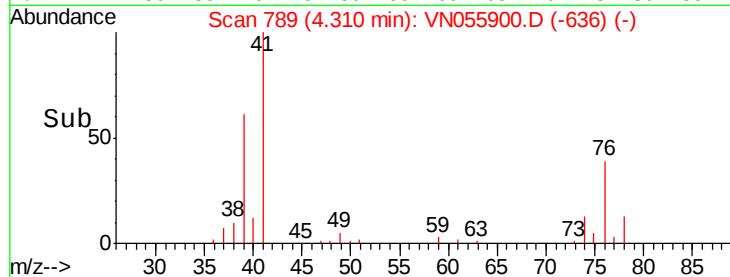
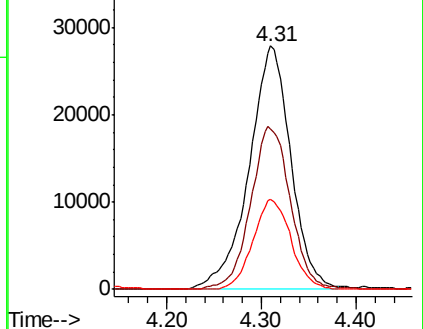
76 37.1 19.3 57.9



Abundance Ion 41.00 (40.70 to 41.70): VN055900.D (-636) (-)

Ion 39.00 (38.70 to 39.70): VN055900.D (-636) (-)

Ion 76.00 (75.70 to 76.70): VN055900.D (-636) (-)



#18

Methylene Chloride

Concen: 20.698 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Tgt Ion: 84 Resp: 60847

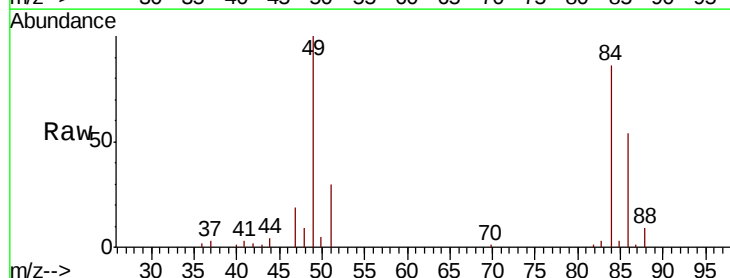
Ion Ratio Lower Upper

84 100

49 116.2 94.7 142.1

51 34.9 28.6 43.0

86 63.1 51.0 76.6

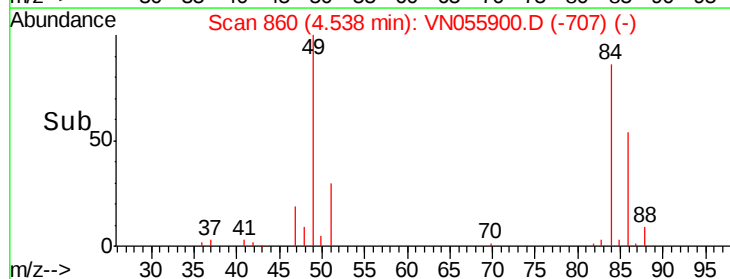
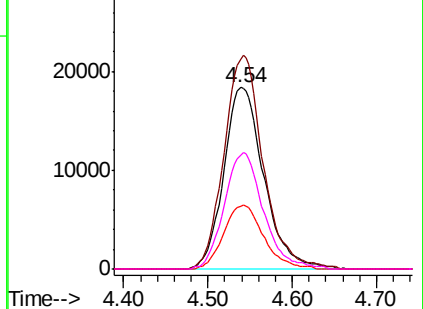


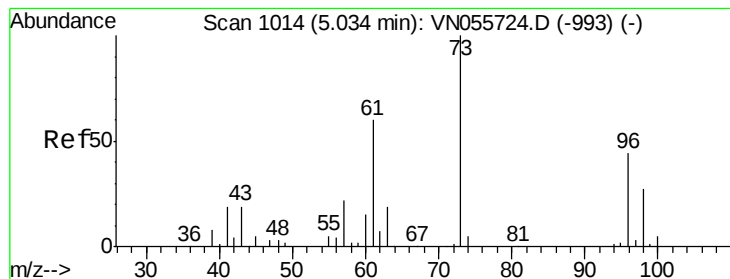
Abundance Ion 84.00 (83.70 to 84.70): VN055900.D (-707) (-)

Ion 49.00 (48.70 to 49.70): VN055900.D (-707) (-)

Ion 51.00 (50.70 to 51.70): VN055900.D (-707) (-)

Ion 86.00 (85.70 to 86.70): VN055900.D (-707) (-)





#19

trans-1,2-Dichloroethene

Concen: 20.117 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :

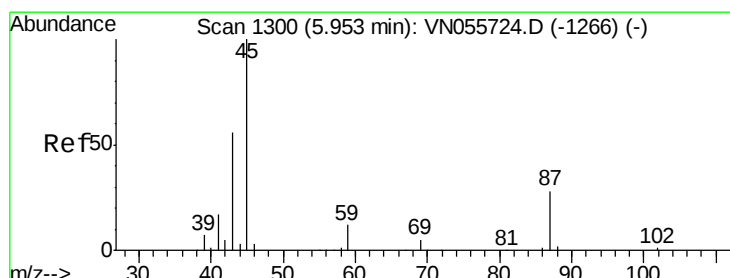
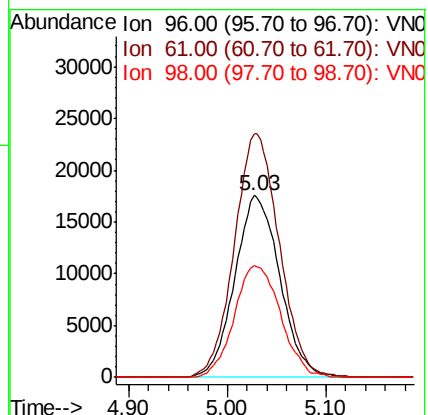
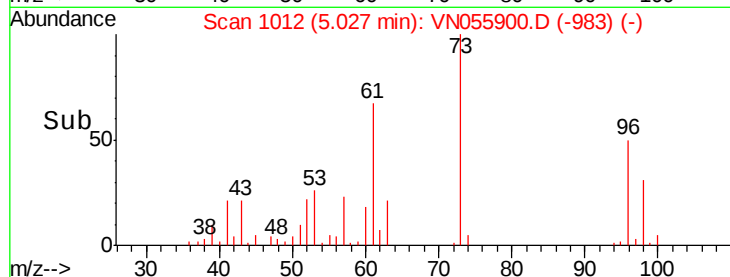
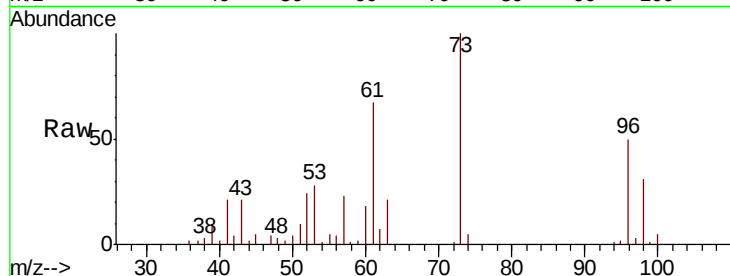
Tot Ion: 96 Resp: 55548

Ion Ratio Lower Upper

96 100

61 133.9 108.5 162.7

98 61.3 49.4 74.2



#20

Diisopropyl ether

Concen: 19.401 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Tgt Ion: 45 Resp: 173993

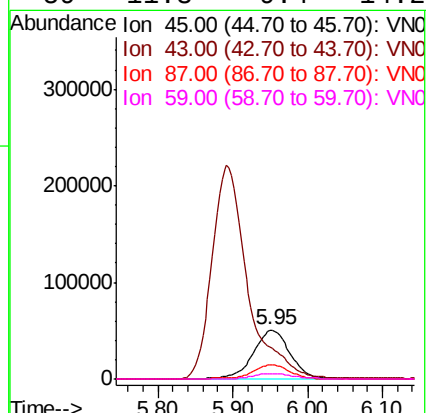
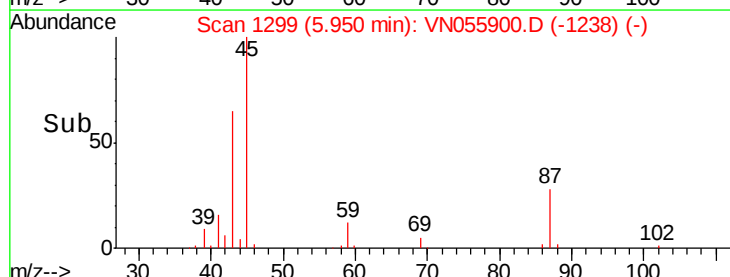
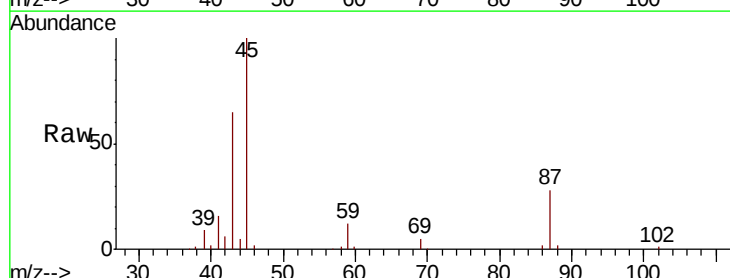
Ion Ratio Lower Upper

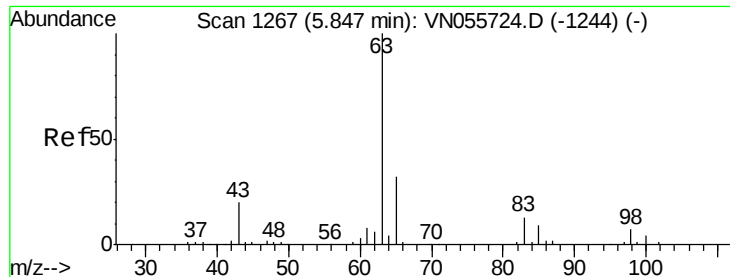
45 100

43 61.4 48.6 73.0

87 28.1 22.6 34.0

59 11.3 9.4 14.2

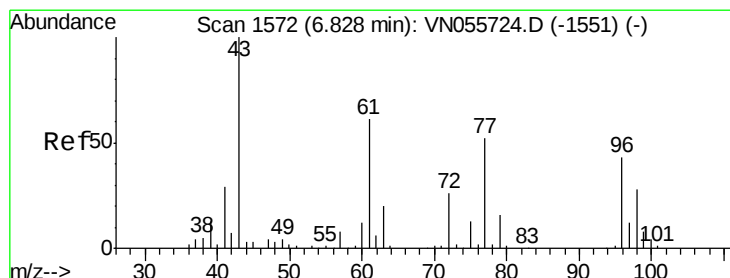
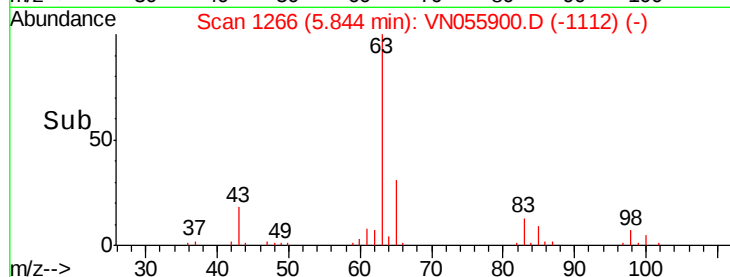
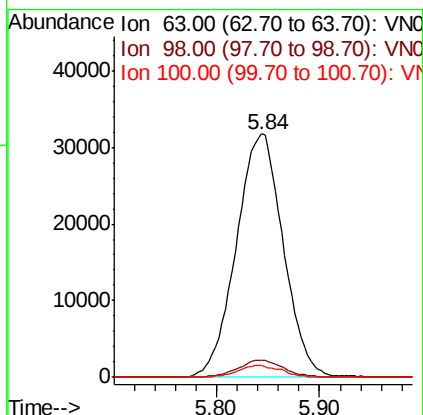
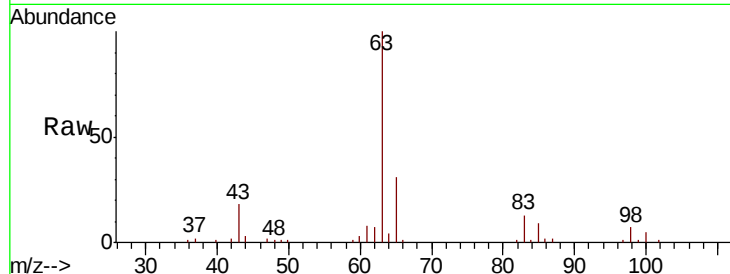




#21
 1,1-Dichloroethane
 Concen: 19.781 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

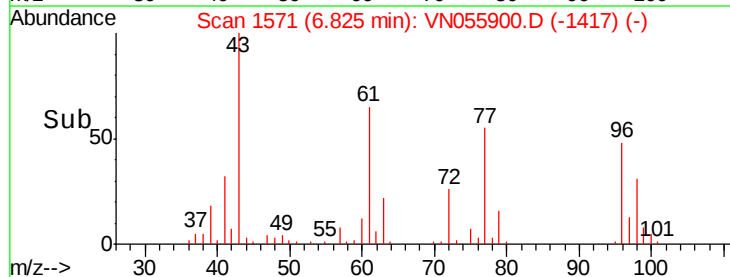
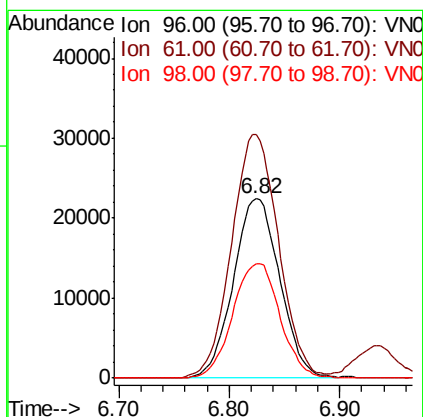
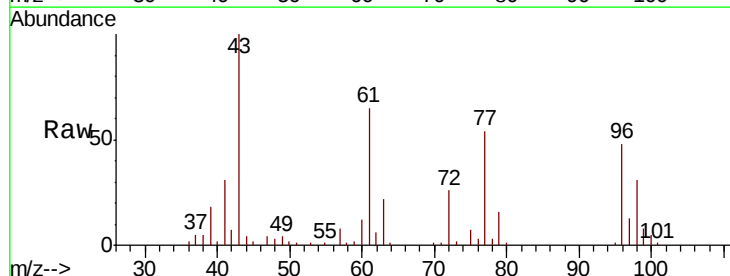
Instrument :
 MSVOA_N
 ClientSampleId :

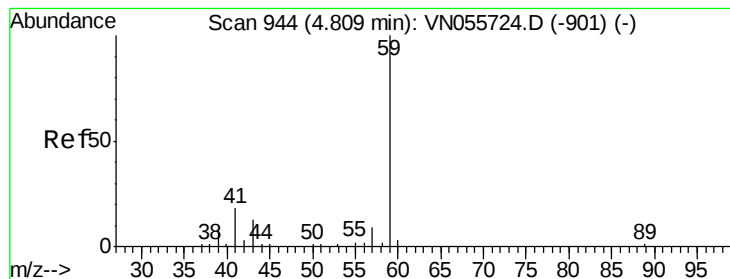
Tot Ion	63	Resp	100261
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.4	10.2
100	4.7	2.2	6.6



#22
 cis-1,2-Dichloroethene
 Concen: 20.353 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion	96	Resp	65544
Ion Ratio	Lower	Upper	
96	100		
61	137.4	115.7	173.5
98	65.0	51.5	77.3





#23

tert-Butyl Alcohol

Concen: 101.794 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

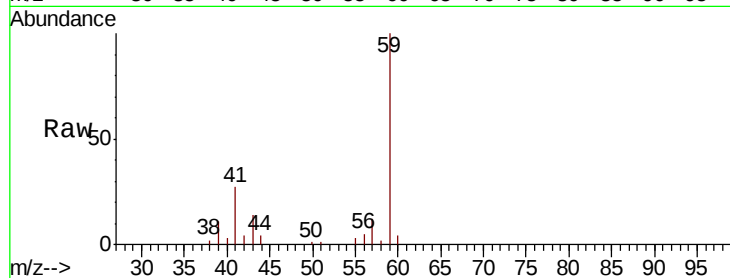
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 63985

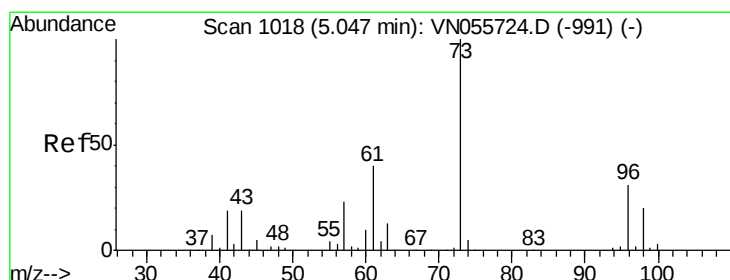
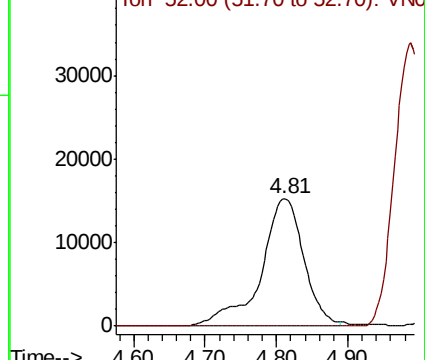
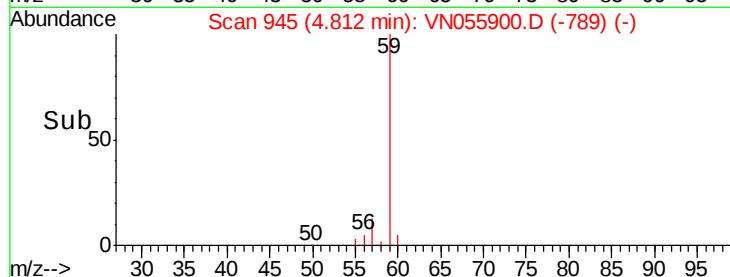
Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN055900.D (-789) (-)



#24

Methyl tert-Butyl Ether

Concen: 20.062 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055900.D

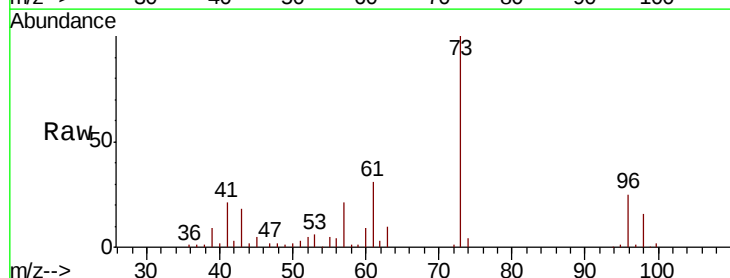
Acq: 30 May 2019 15:22

Tgt Ion: 73 Resp: 174728

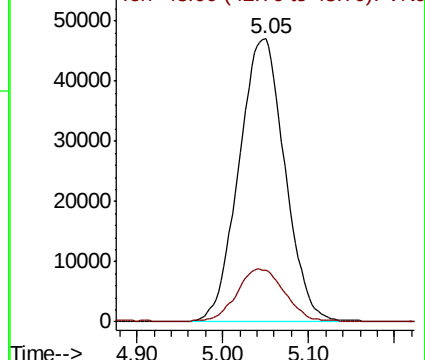
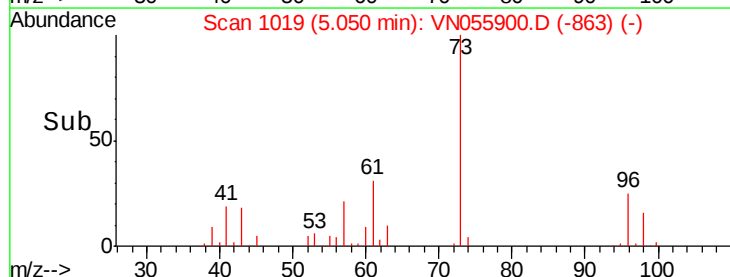
Ion Ratio Lower Upper

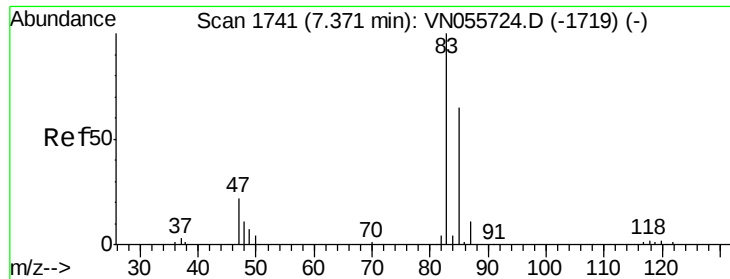
73 100

43 19.7 15.7 23.5



Abundance Ion 73.00 (72.70 to 73.70): VN055900.D (-863) (-)

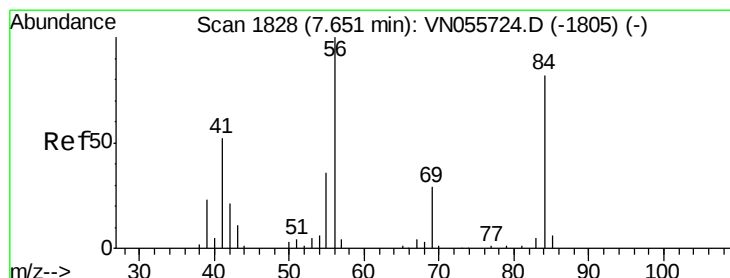
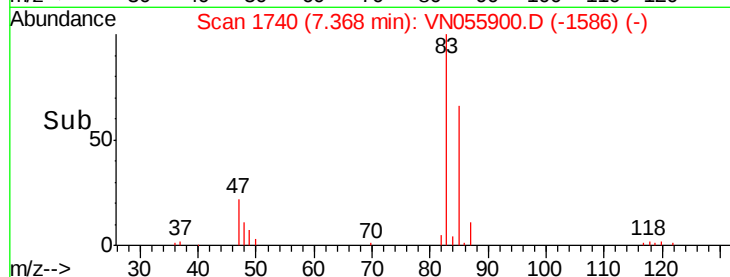
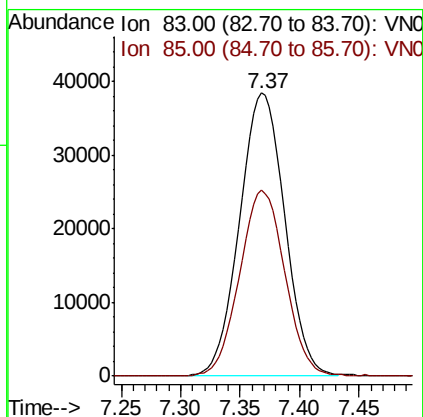
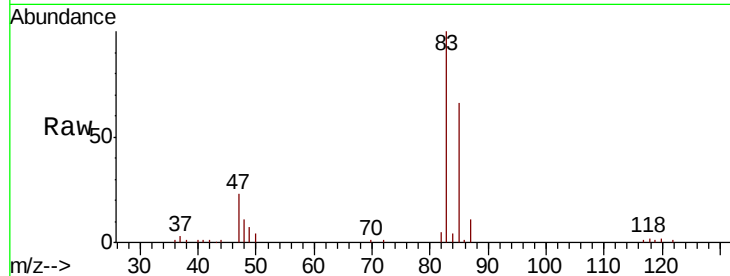




#25
Chloroform
Concen: 20.231 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

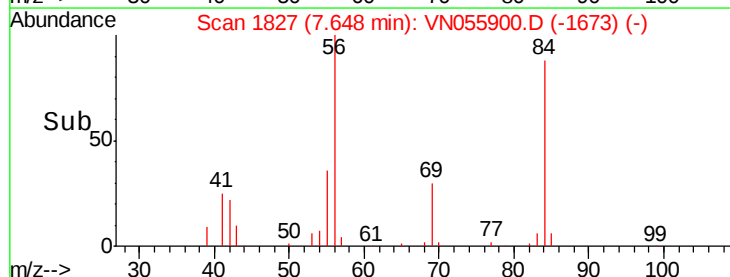
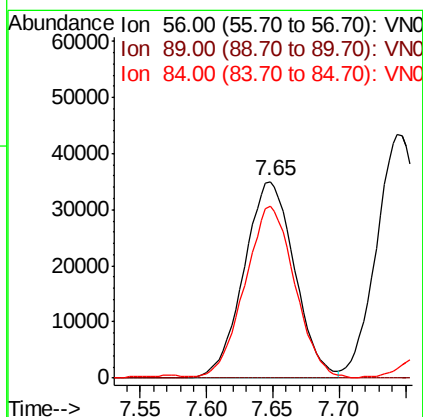
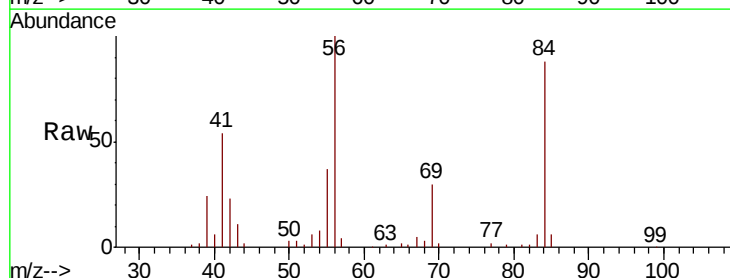
Instrument :
MSVOA_N
ClientSampleId :

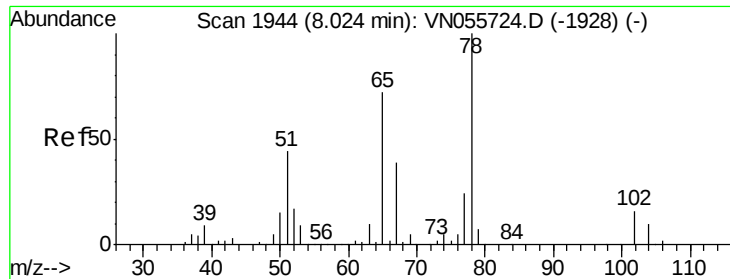
Tot Ion: 83 Resp: 101277
Ion Ratio Lower Upper
83 100
85 65.5 51.7 77.5



#26
Cyclohexane
Concen: 19.926 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 56 Resp: 93171
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.6 67.2 100.8

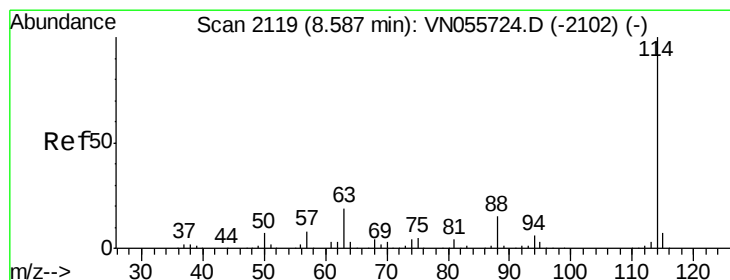
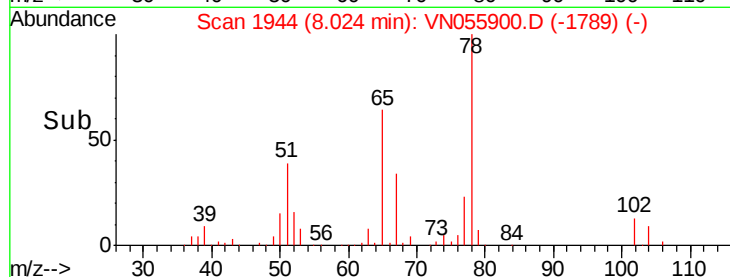
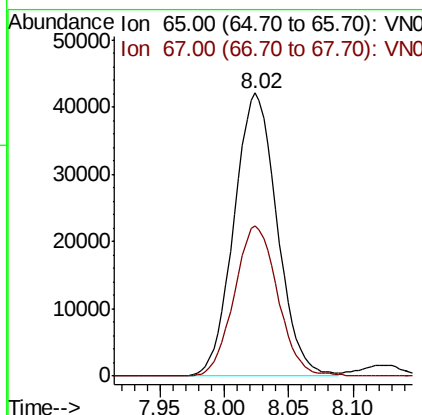
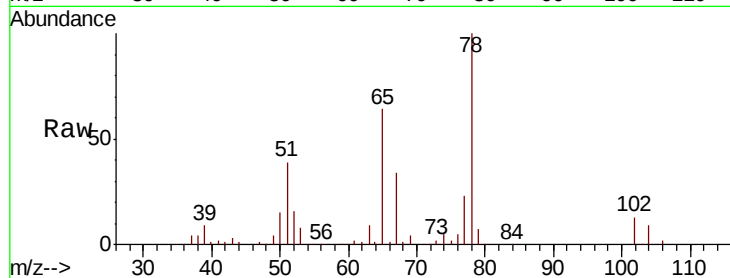




#27
 1,2-Dichloroethane-d4
 Concen: 30.863 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

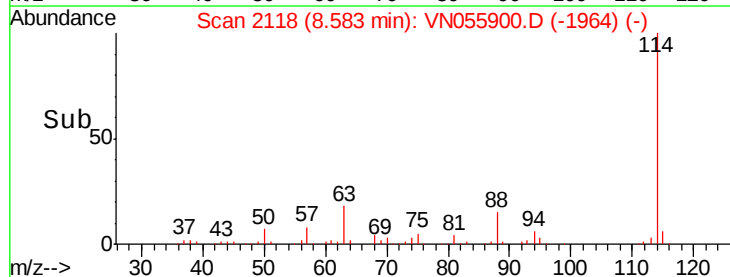
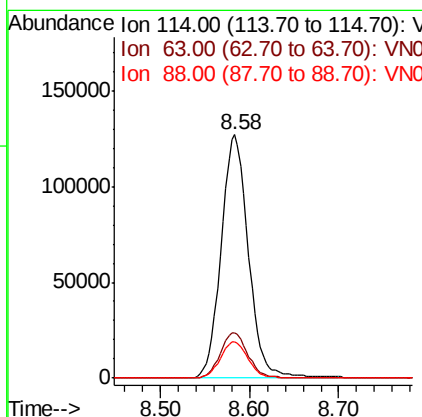
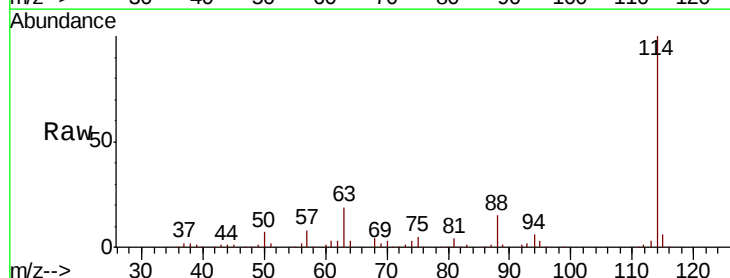
Instrument :
 MSVOA_N
 ClientSampleId :

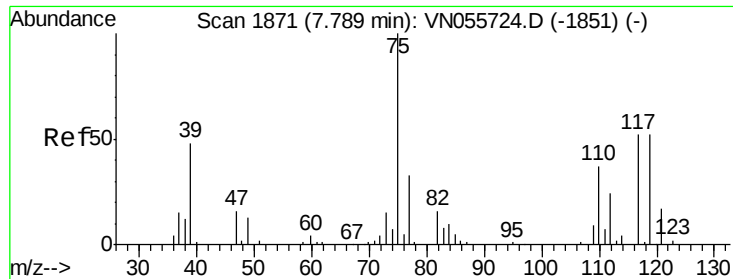
Tot Ion: 65 Resp: 98103
 Ion Ratio Lower Upper
 65 100
 67 53.3 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion: 114 Resp: 269724
 Ion Ratio Lower Upper
 114 100
 63 18.9 15.6 23.4
 88 15.1 12.3 18.5

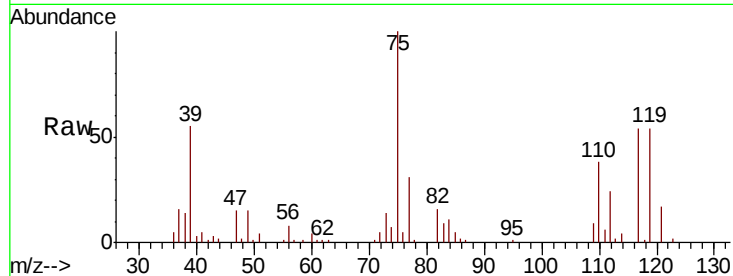




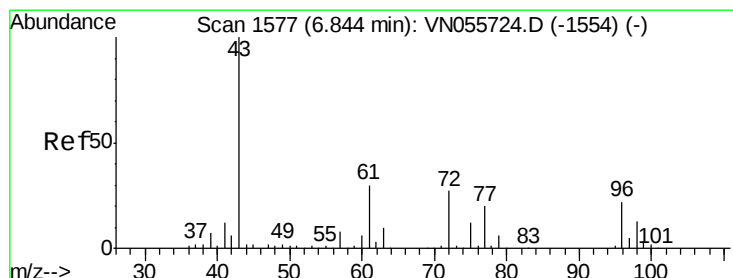
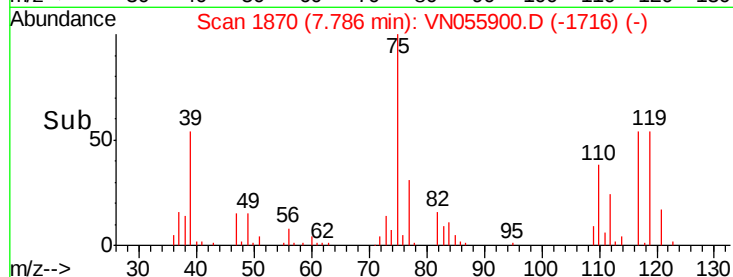
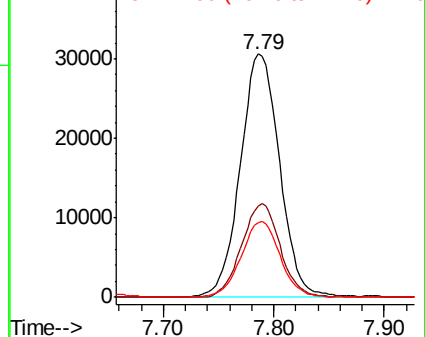
#29
 1,1-Dichloropropene
 Concen: 20.073 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 75796
 Ion Ratio Lower Upper
 75 100
 110 37.7 0.0 74.8
 77 30.9 0.0 65.2

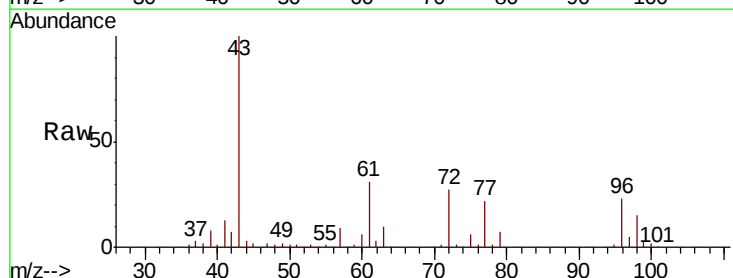


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN0

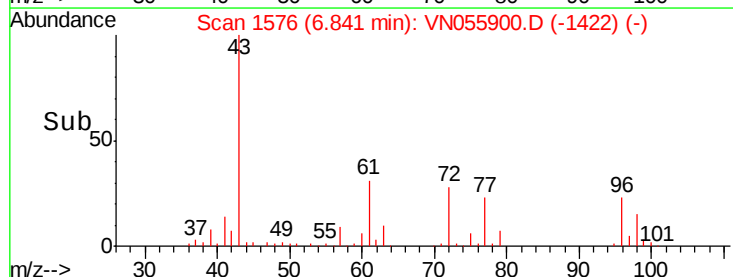
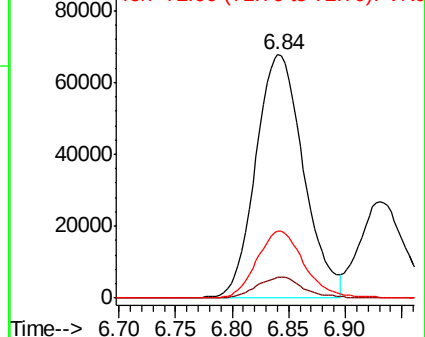


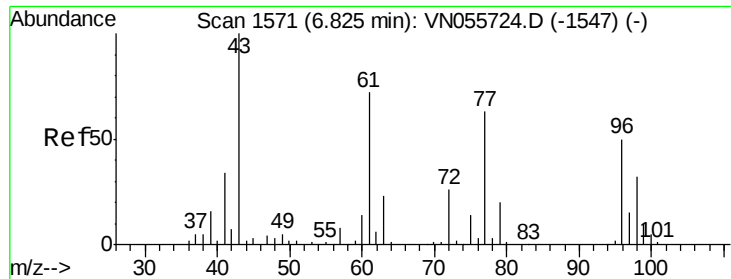
#30
 2-Butanone
 Concen: 98.625 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion: 43 Resp: 198490
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.6 10.0
 72 27.2 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

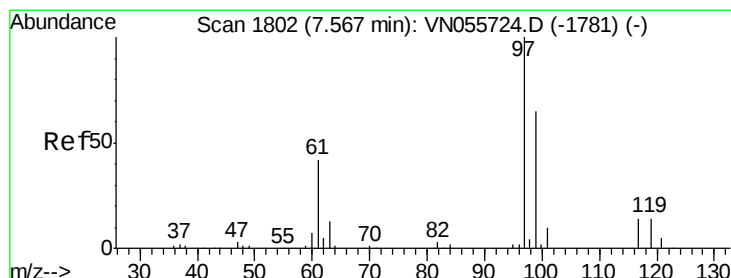
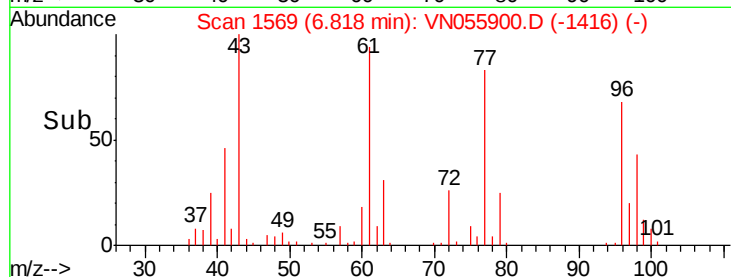
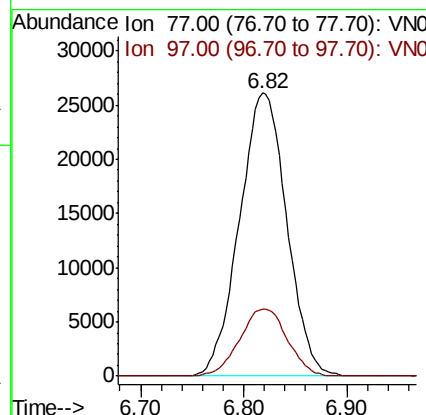
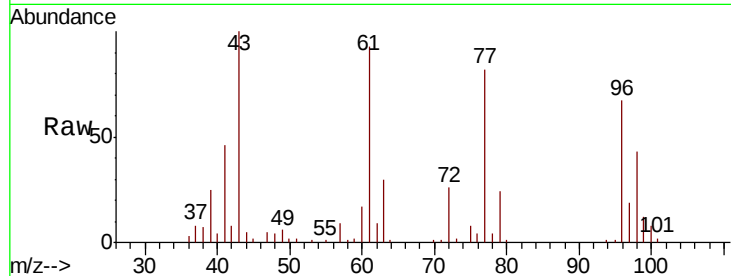




#31
 2,2-Dichloropropane
 Concen: 18.902 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

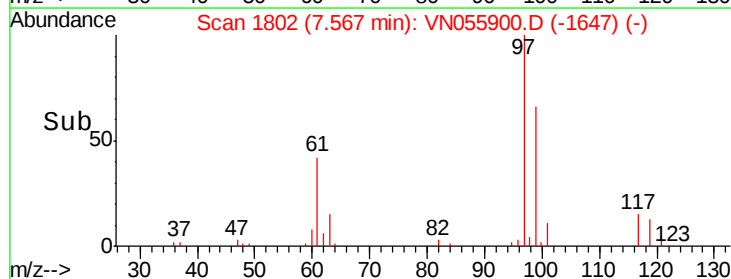
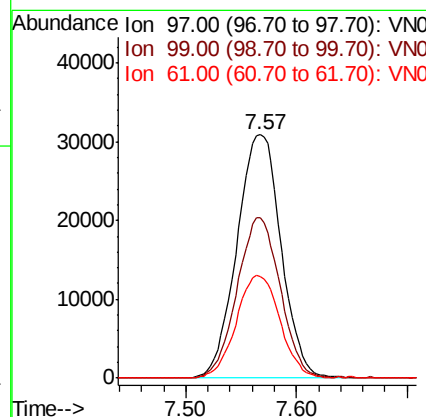
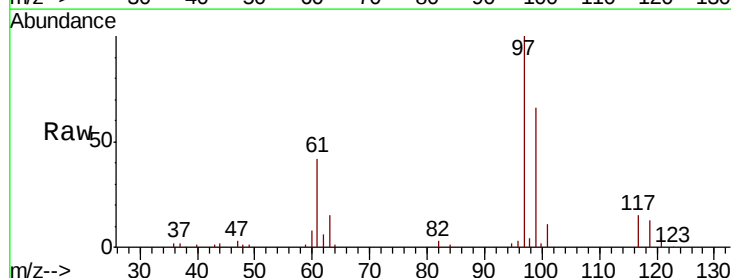
Instrument :
 MSVOA_N
 ClientSampled :

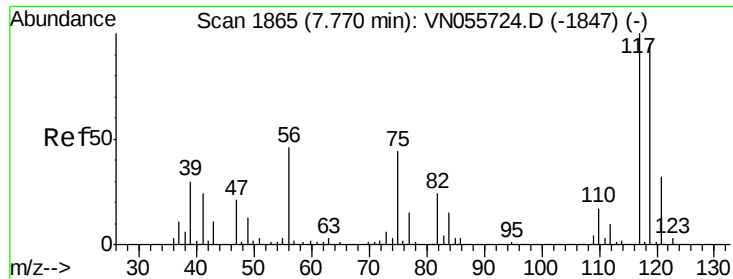
Tot Ion: 77 Resp: 83053
 Ion Ratio Lower Upper
 77 100
 97 23.9 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 19.148 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion: 97 Resp: 85696
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 41.7 33.1 49.7

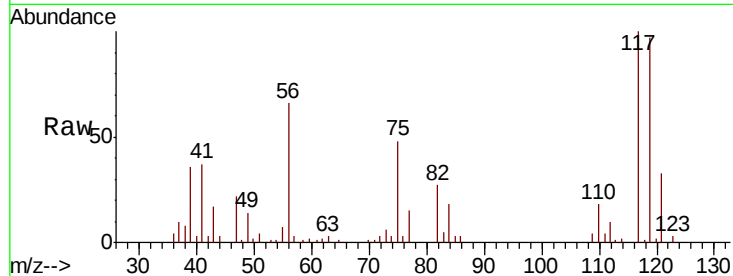




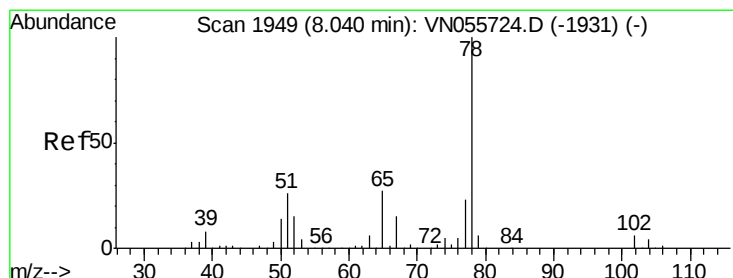
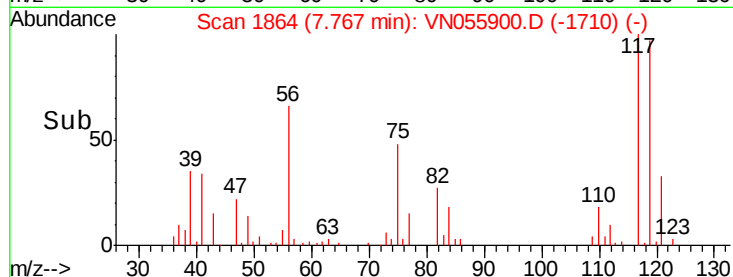
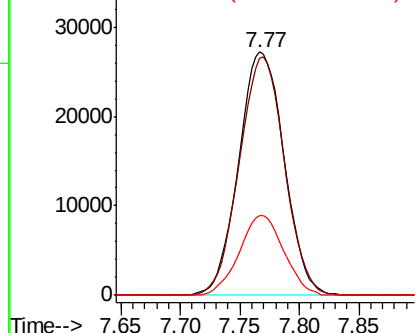
#33
Carbon Tetrachloride
Concen: 18.007 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 72091
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.8
121 32.5 25.4 38.0

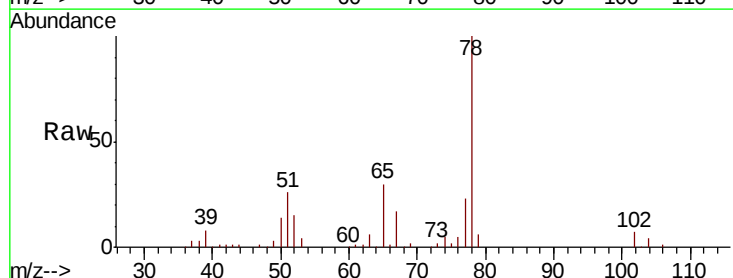


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

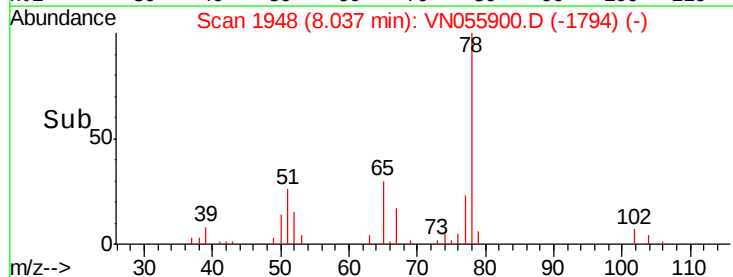
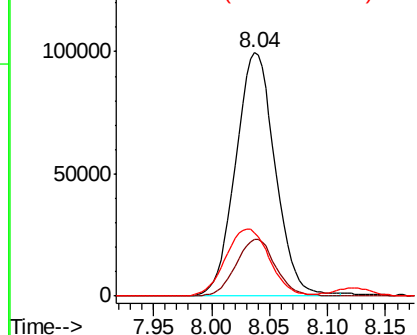


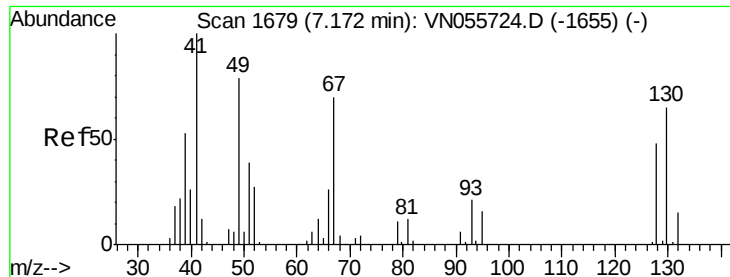
#34
Benzene
Concen: 20.254 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 78 Resp: 236106
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2
51 25.9 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

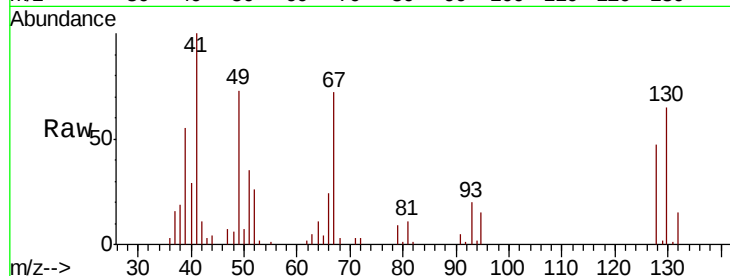




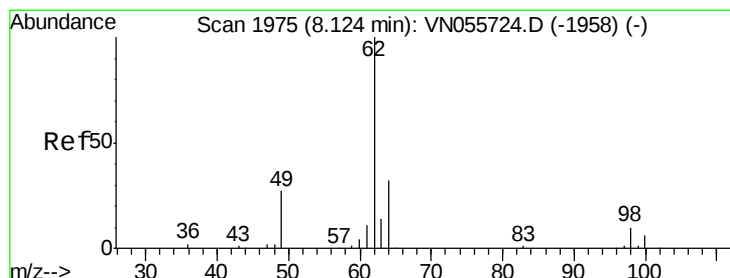
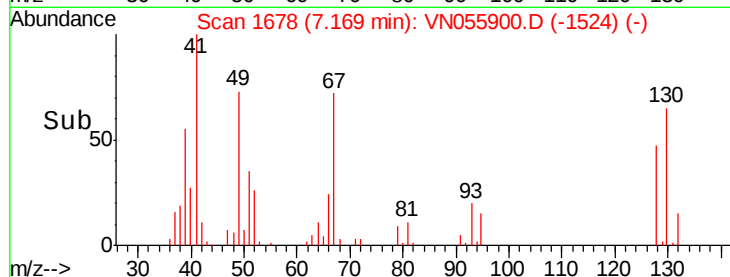
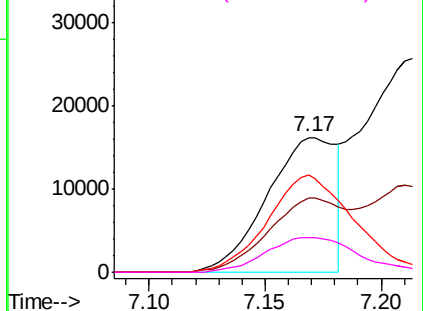
#35
Methacrylonitrile
Concen: 18.100 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 33623
Ion Ratio Lower Upper
41 100
39 55.1 26.7 80.1
67 72.4 34.9 104.7
52 25.8 13.6 40.8

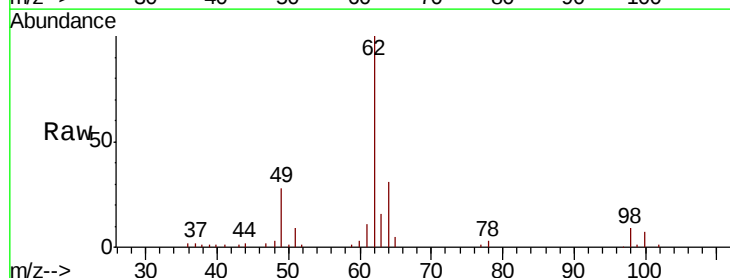


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

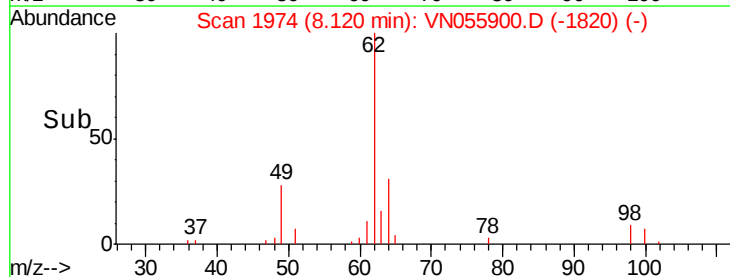
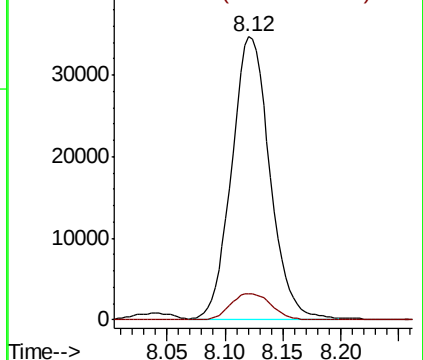


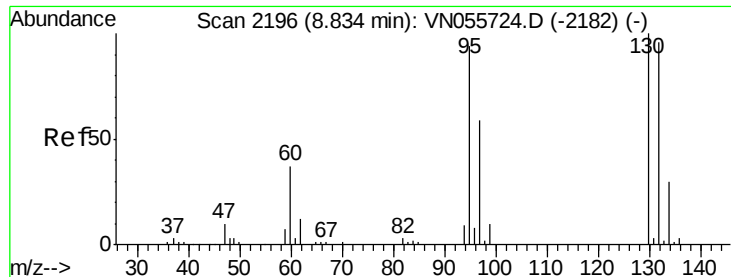
#36
1,2-Dichloroethane
Concen: 20.859 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 62 Resp: 79462
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.320 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

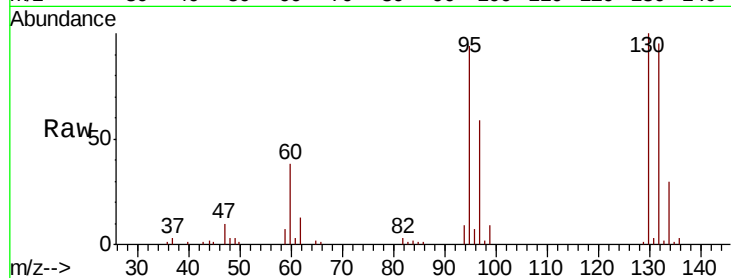
ClientSampleId :

Tot Ion:130 Resp: 66093

Ion Ratio Lower Upper

130 100

95 94.2 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

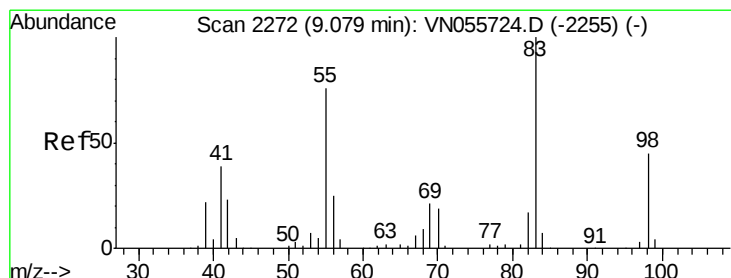
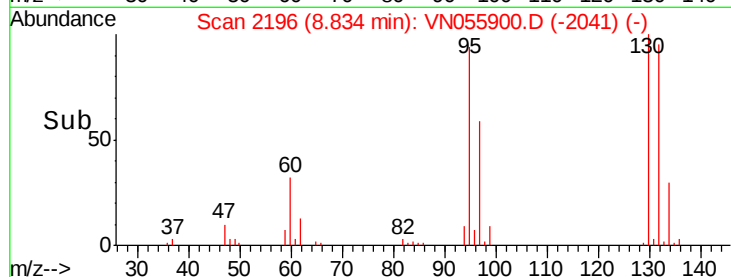
30000

20000

10000

0

Time-->



#38

Methylcyclohexane

Concen: 20.156 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

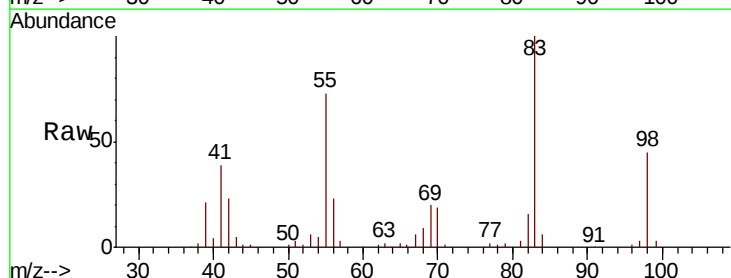
Tgt Ion: 83 Resp: 96425

Ion Ratio Lower Upper

83 100

55 74.6 37.8 113.4

98 46.1 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

50000

40000

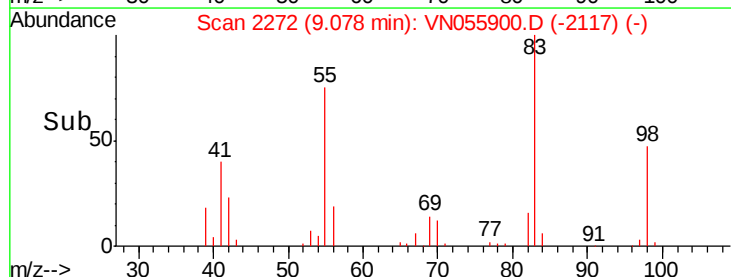
30000

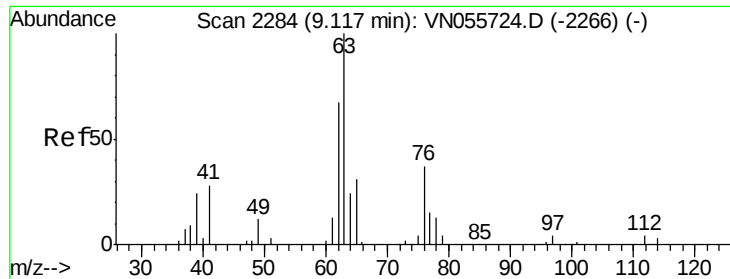
20000

10000

0

Time-->

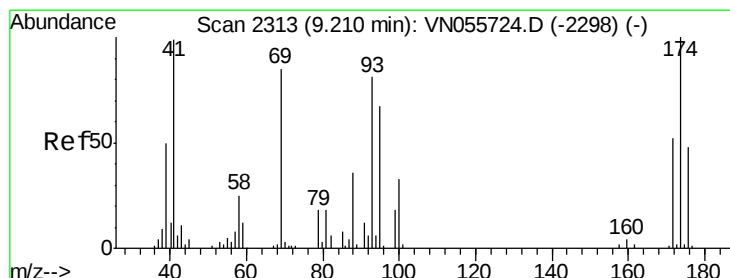
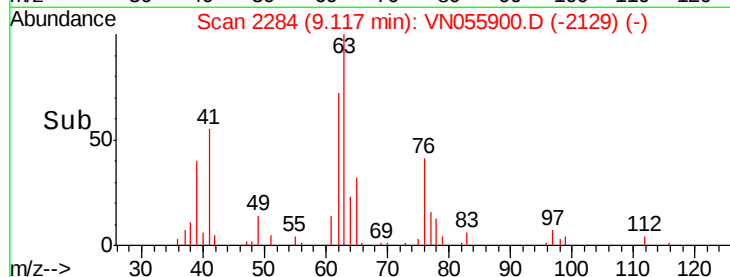
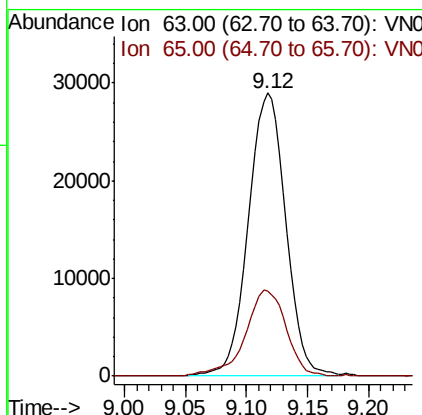
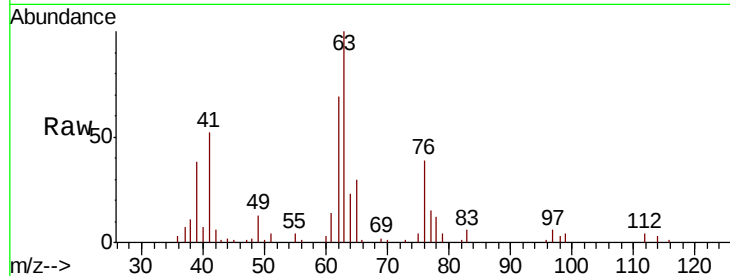




#39
 1,2-Dichloropropane
 Concen: 19.627 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

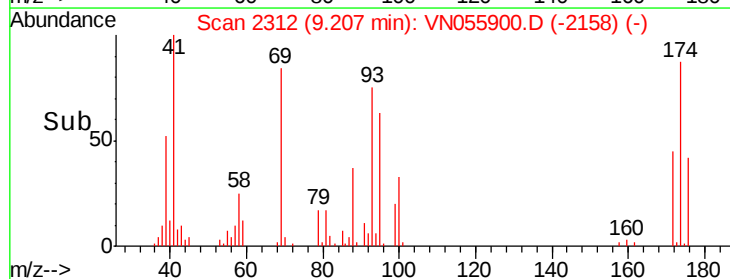
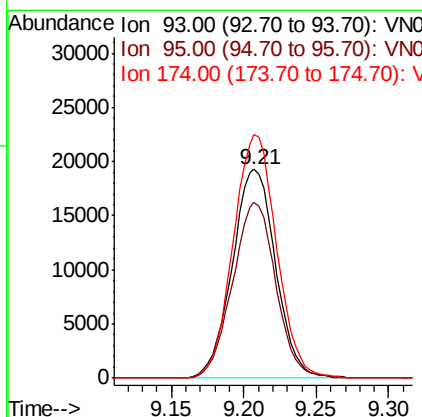
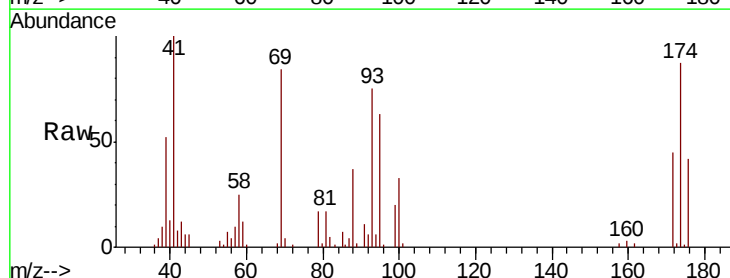
Instrument :
 MSVOA_N
 ClientSampled :

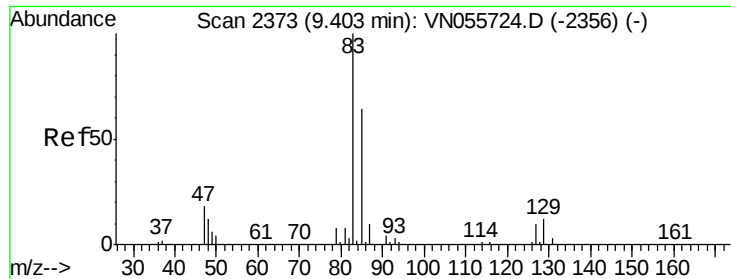
Tot Ion: 63 Resp: 61509
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.8 38.8



#40
 Dibromomethane
 Concen: 19.831 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion: 93 Resp: 40131
 Ion Ratio Lower Upper
 93 100
 95 83.8 0.0 170.6
 174 116.4 0.0 248.4





#41

Bromodichloromethane

Concen: 18.244 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

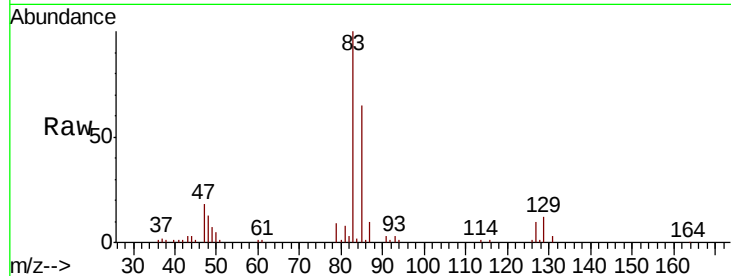
Tot Ion: 83 Resp: 75665

Ion Ratio Lower Upper

83 100

85 65.4 51.4 77.0

127 9.9 7.7 11.5

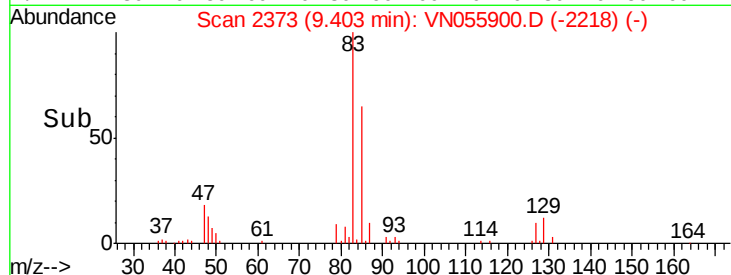


Abundance Ion 83.00 (82.70 to 83.70): VN055900.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN055900.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN055900.D (-2218) (-)

Time-->

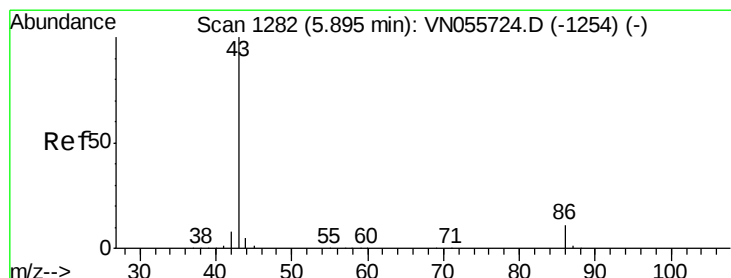


Abundance Ion 83.00 (82.70 to 83.70): VN055900.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN055900.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN055900.D (-2218) (-)

Time-->



#42

Vinyl Acetate

Concen: 93.539 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055900.D

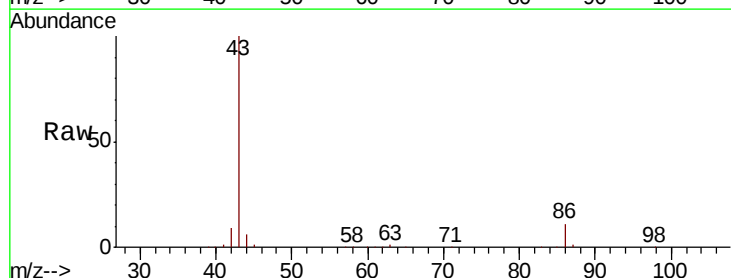
Acq: 30 May 2019 15:22

Tgt Ion: 43 Resp: 730902

Ion Ratio Lower Upper

43 100

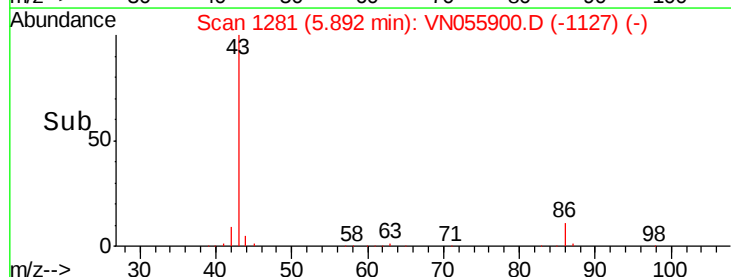
86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN055900.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN055900.D (-1127) (-)

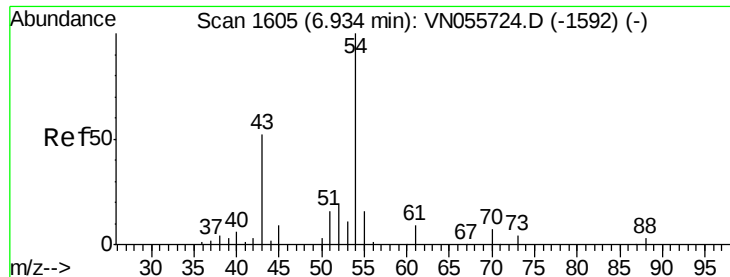
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN055900.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN055900.D (-1127) (-)

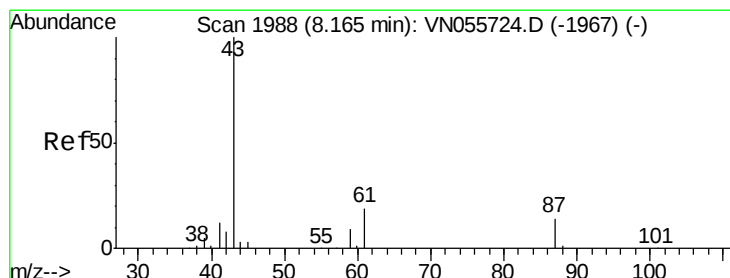
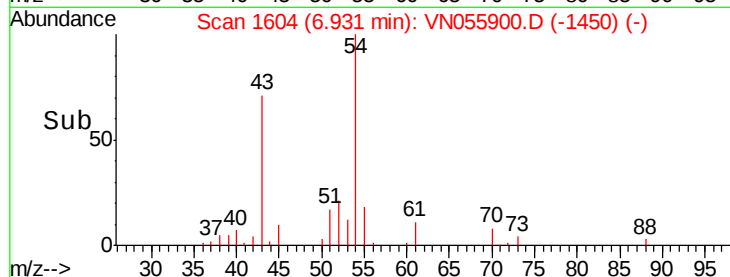
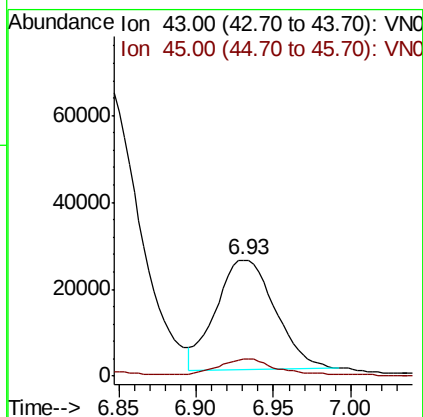
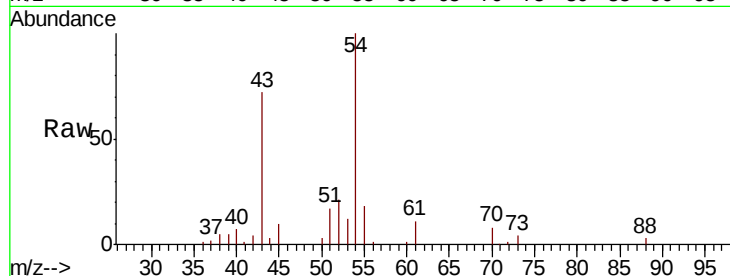
Time-->



#43
Ethyl Acetate
Concen: 17.099 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

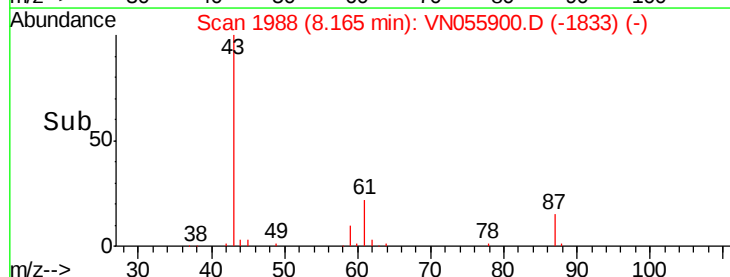
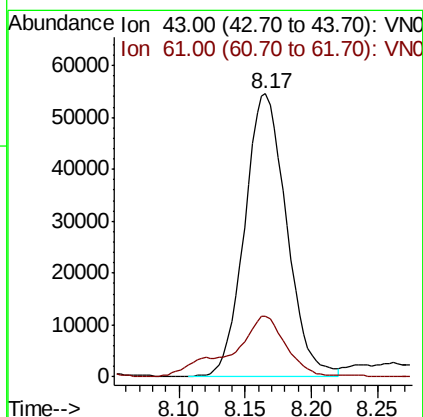
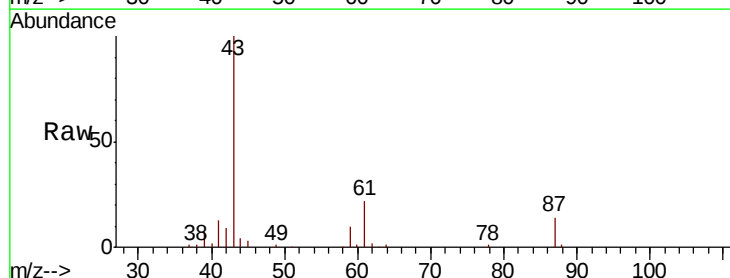
Instrument :
MSVOA_N
ClientSampled :

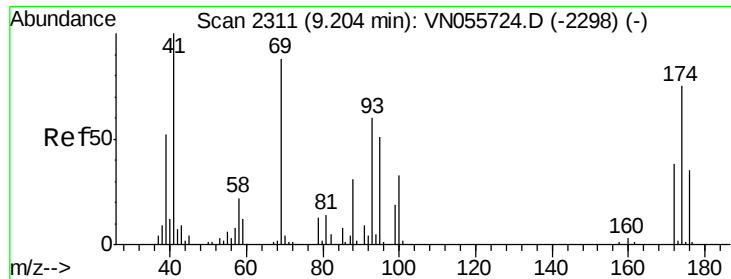
Tot Ion: 43 Resp: 67641
Ion Ratio Lower Upper
43 100
45 12.9 0.0 0.0#



#44
Isopropyl Acetate
Concen: 18.175 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 43 Resp: 119062
Ion Ratio Lower Upper
43 100
61 20.3 22.1 33.1#

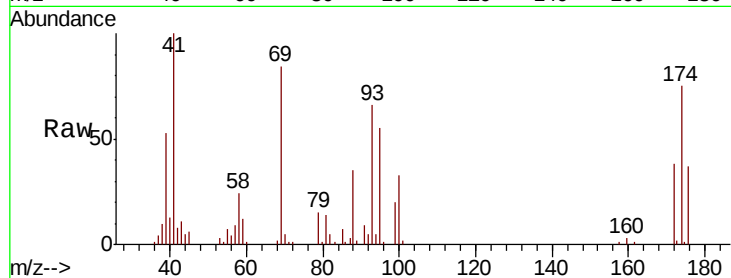




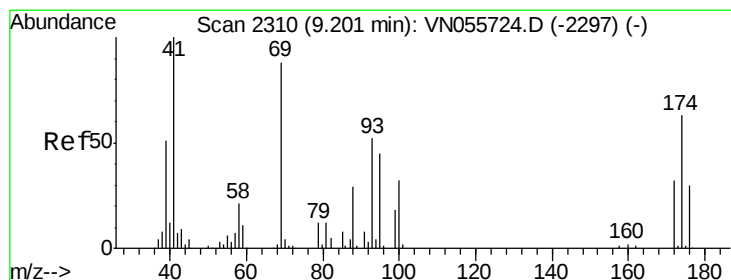
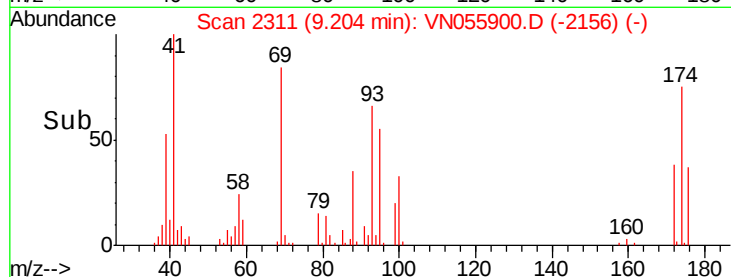
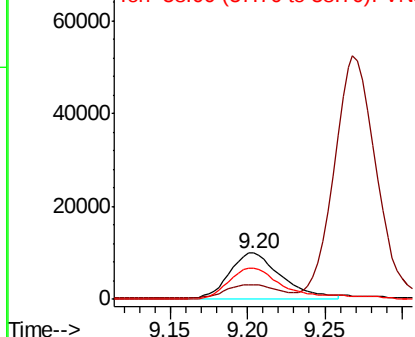
#45
 1,4-Dioxane
 Concen: 386.368 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 23811
 Ion Ratio Lower Upper
 88 100
 43 27.8 20.5 30.7
 58 70.8 56.1 84.1

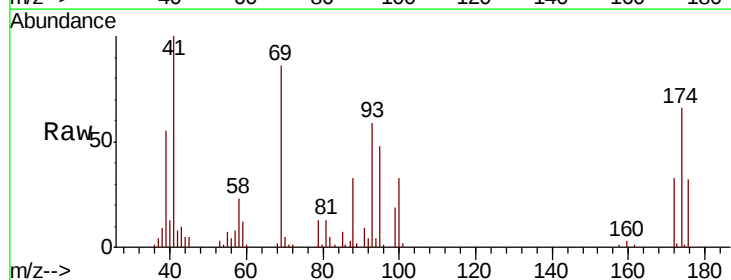


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

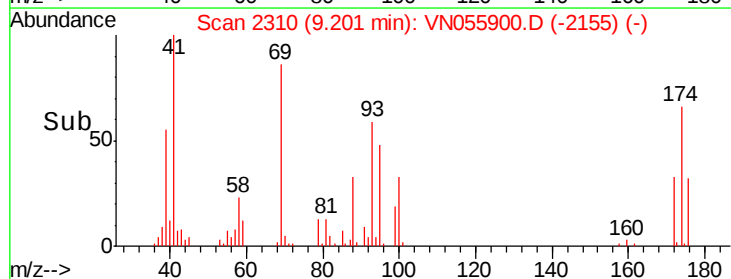
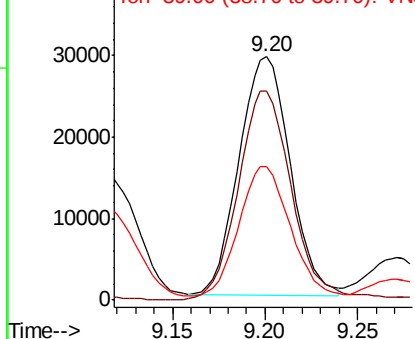


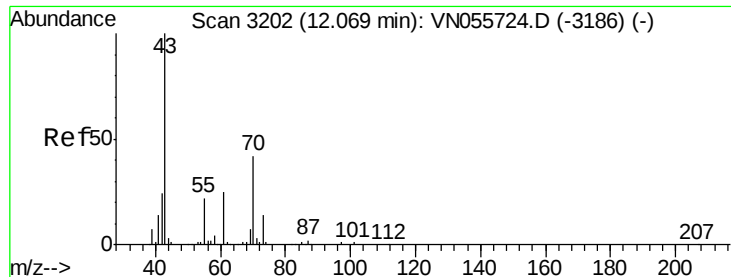
#46
 Methyl methacrylate
 Concen: 18.302 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion: 41 Resp: 55938
 Ion Ratio Lower Upper
 41 100
 69 87.2 43.8 131.4
 39 54.2 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

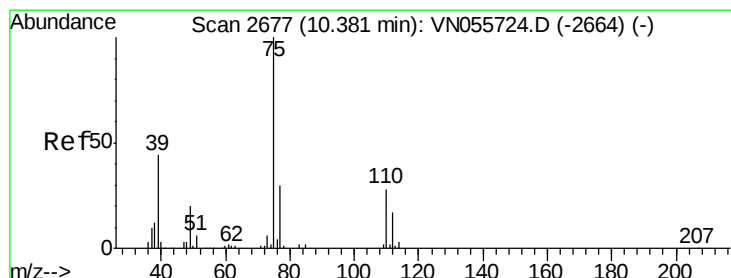
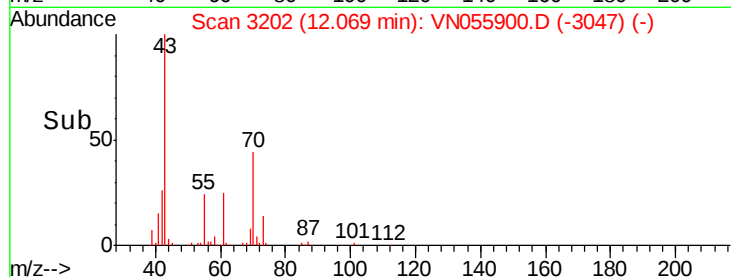
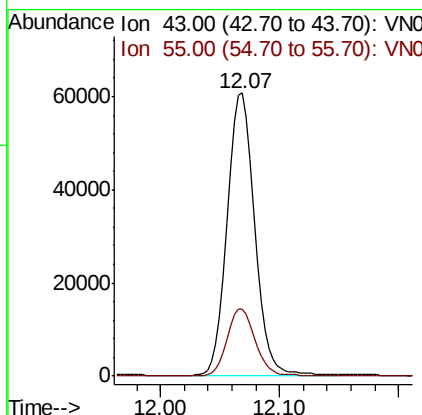
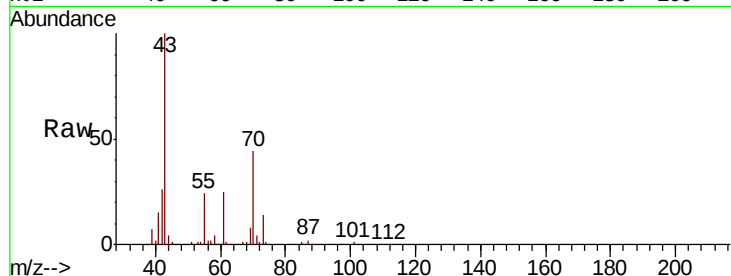




#47
n-amvl Acetate
Concen: 17.997 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

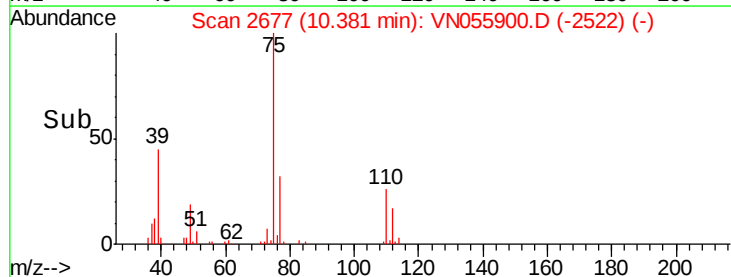
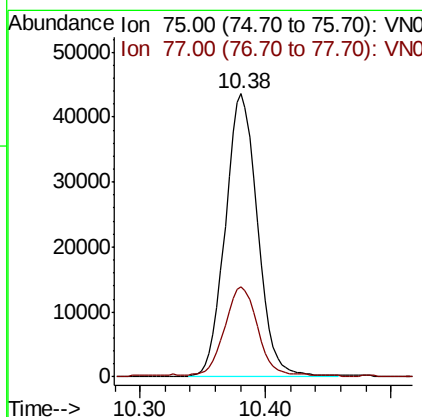
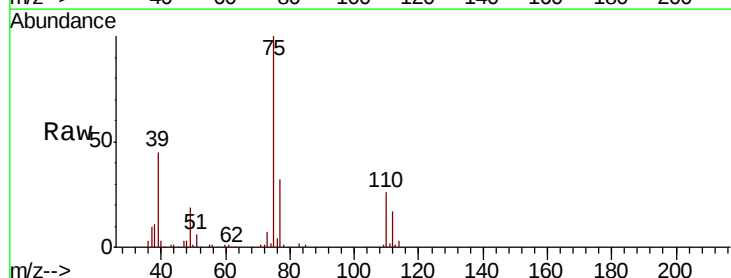
Instrument :
MSVOA_N
ClientSampleId :

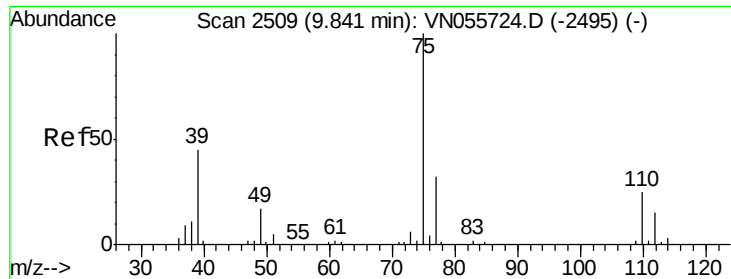
Tot Ion: 43 Resp: 97513
Ion Ratio Lower Upper
43 100
55 24.1 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 17.059 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 75 Resp: 78101
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8



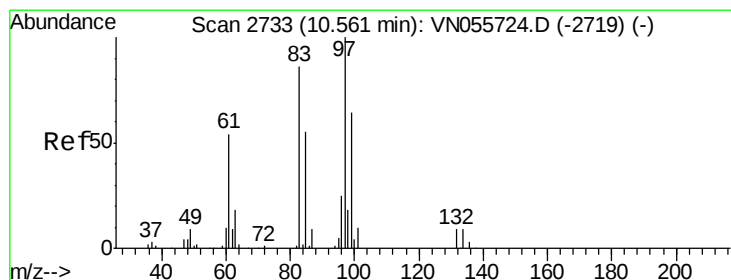
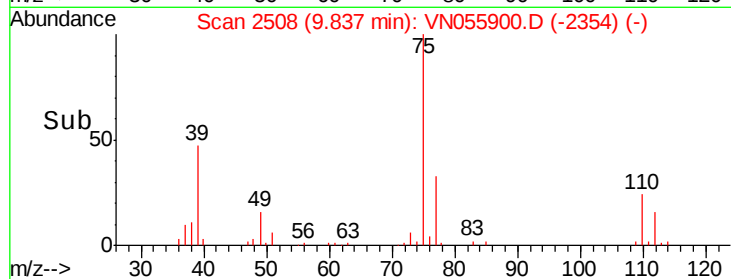
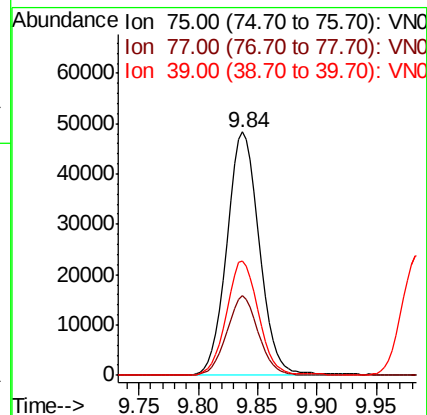
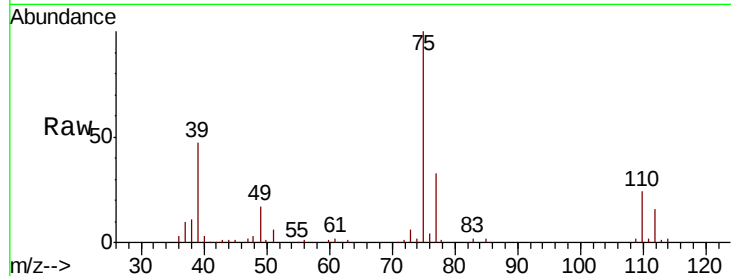


#49

cis-1,3-Dichloropropene
Concen: 18.295 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :

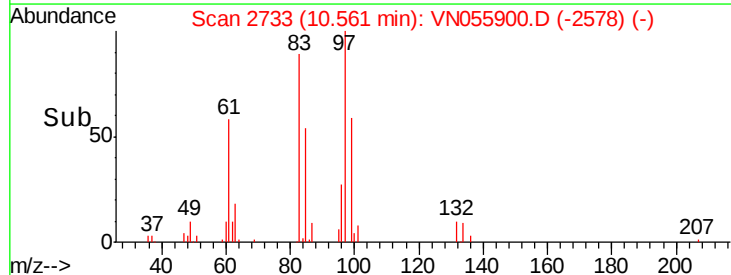
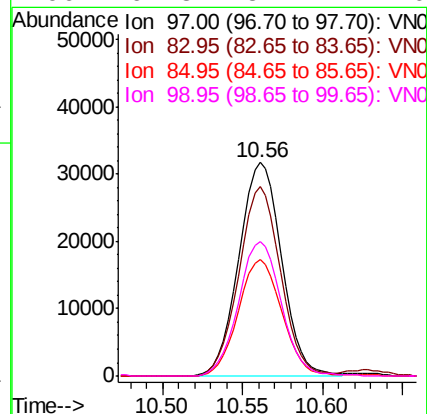
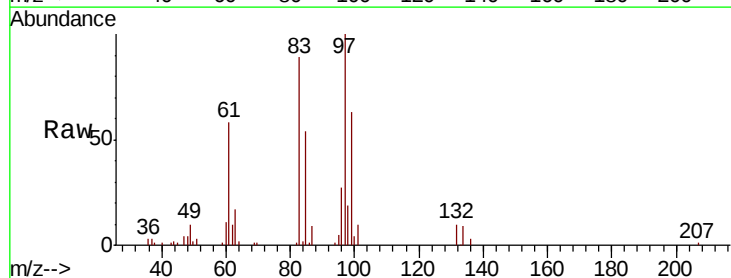
Tot Ion: 75 Resp: 91680
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
39 47.2 36.2 54.4

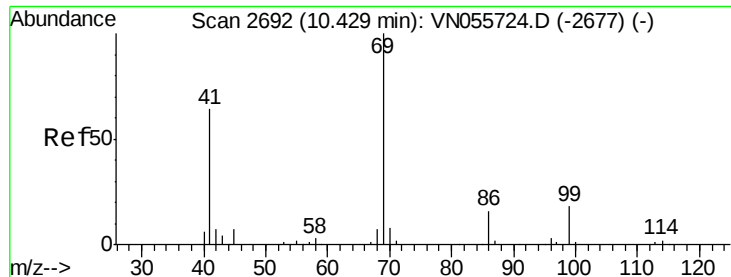


#50

1,1,2-Trichloroethane
Concen: 19.712 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 97 Resp: 58071
Ion Ratio Lower Upper
97 100
83 88.6 68.9 103.3
85 54.4 44.3 66.5
99 62.8 51.4 77.0





#51

Ethyl methacrylate

Concen: 18.439 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

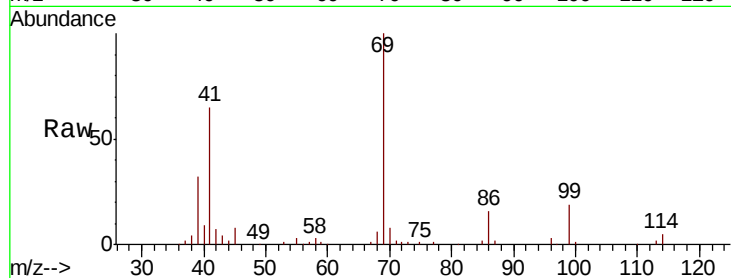
Tot Ion: 69 Resp: 87556

Ion Ratio Lower Upper

69 100

41 64.5 31.9 95.7

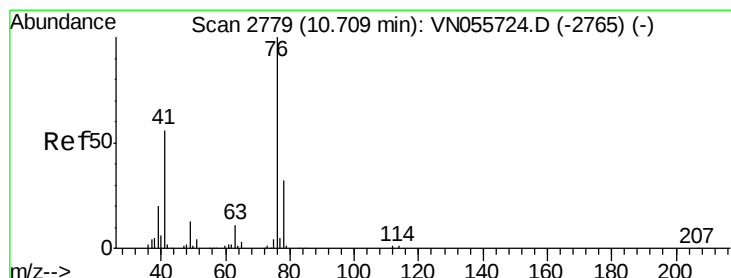
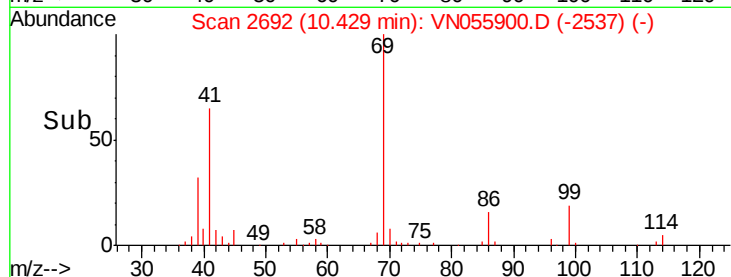
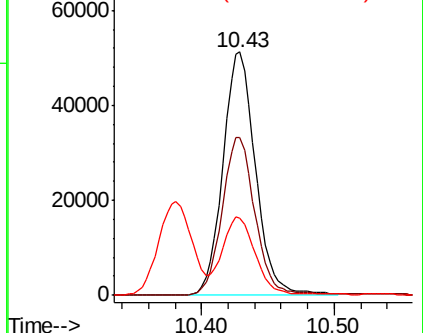
39 31.3 15.7 47.0



Abundance Ion 69.00 (68.70 to 69.70): VN055900.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN055900.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN055900.D (-2537) (-)



#52

1,3-Dichloropropane

Concen: 19.754 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055900.D

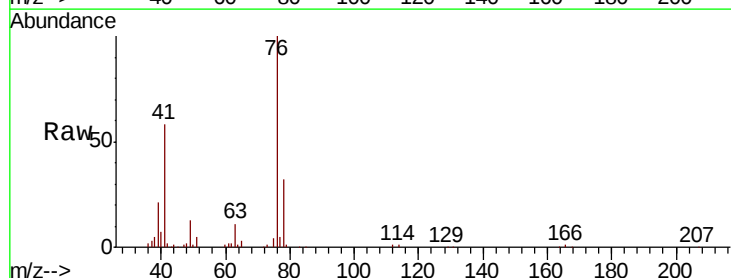
Acq: 30 May 2019 15:22

Tgt Ion: 76 Resp: 95924

Ion Ratio Lower Upper

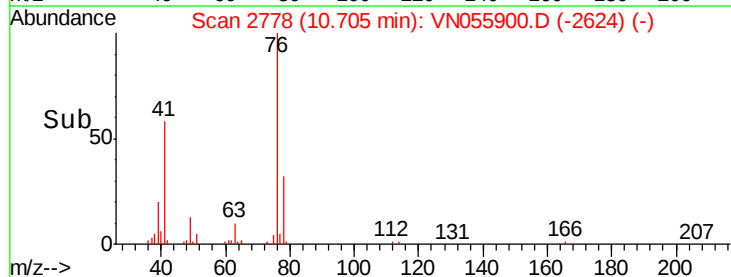
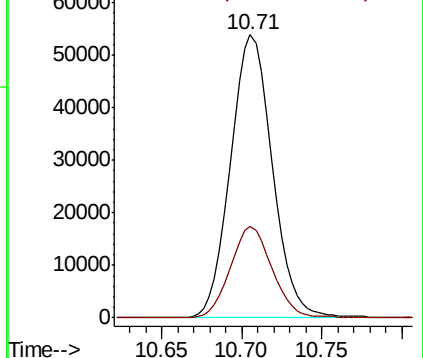
76 100

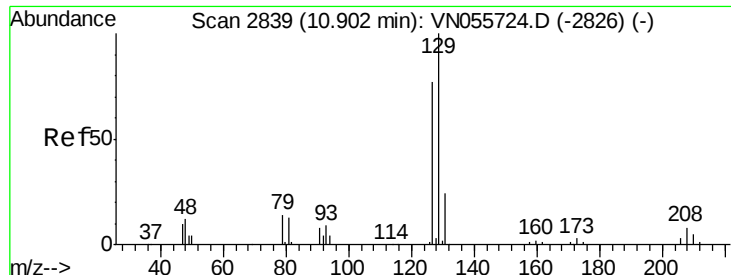
78 32.1 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN055900.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN055900.D (-2624) (-)





#53

Dibromochloromethane

Concen: 16.829 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

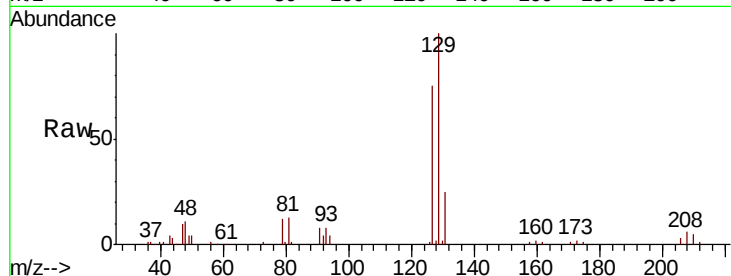
ClientSampleId :

Tot Ion:129 Resp: 58569

Ion Ratio Lower Upper

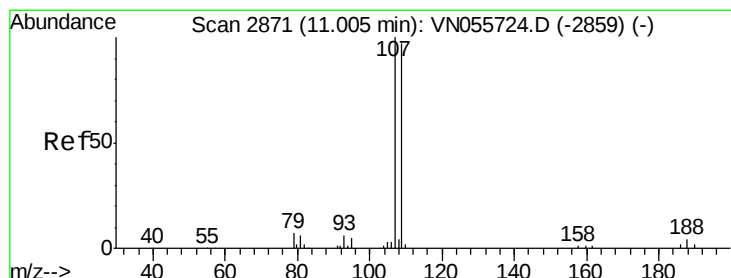
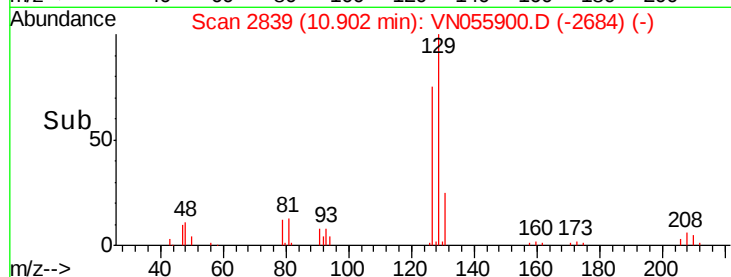
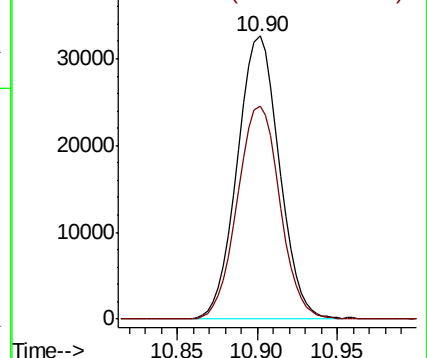
129 100

127 76.0 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: 19.991 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055900.D

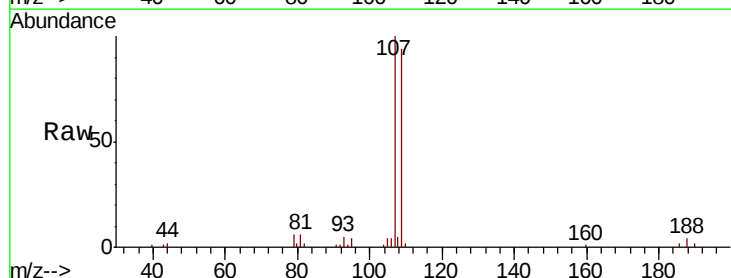
Acq: 30 May 2019 15:22

Tgt Ion:107 Resp: 60941

Ion Ratio Lower Upper

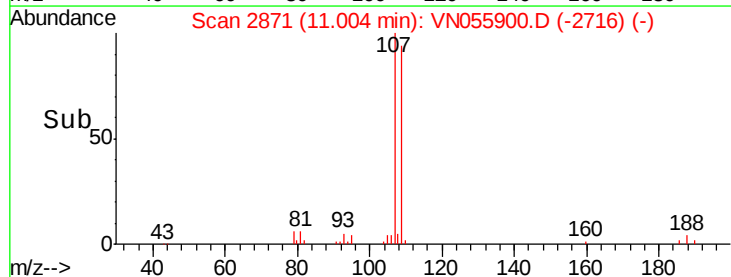
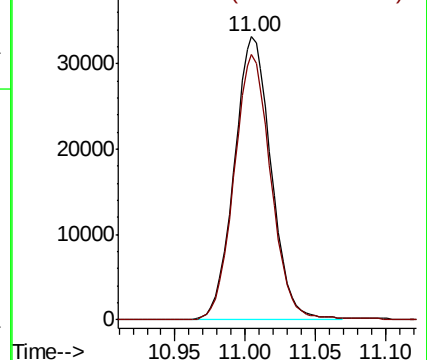
107 100

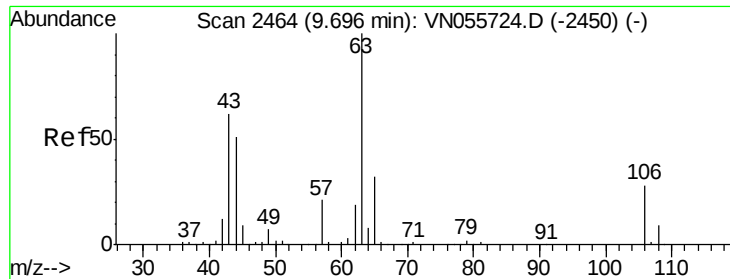
109 93.4 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

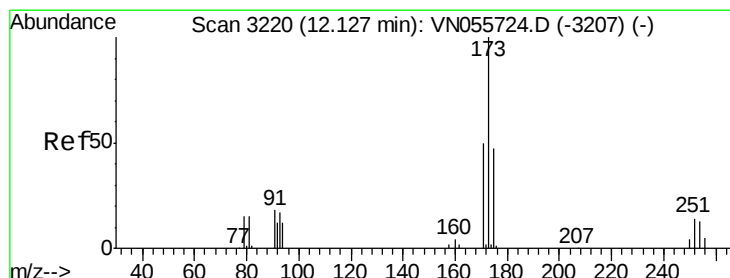
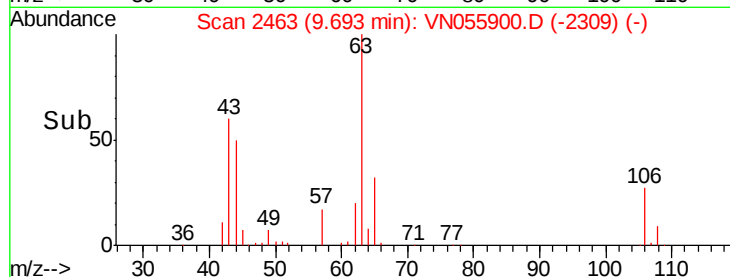
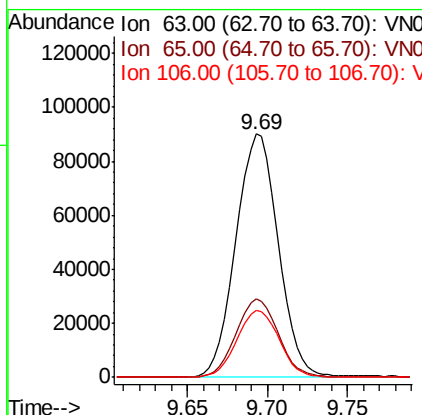
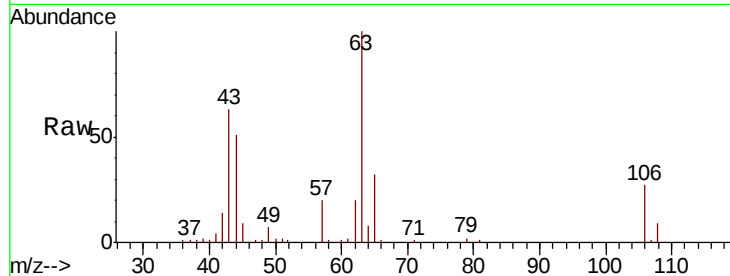




#55
2-Chloroethyl vinyl ether
Concen: 88.544 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

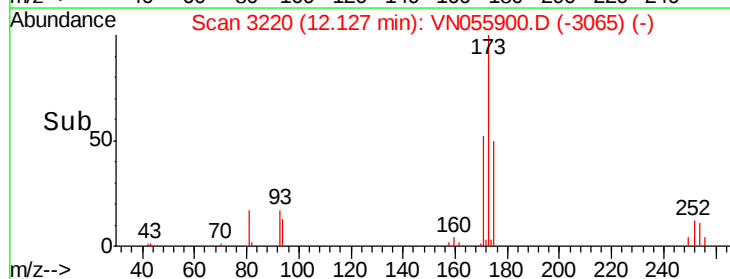
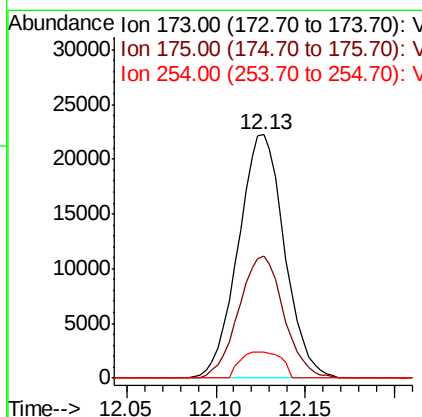
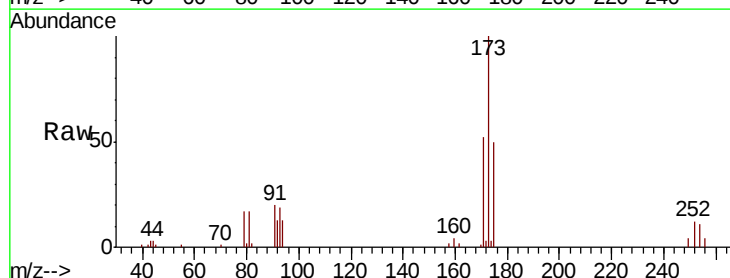
Instrument :
MSVOA_N
ClientSampled :

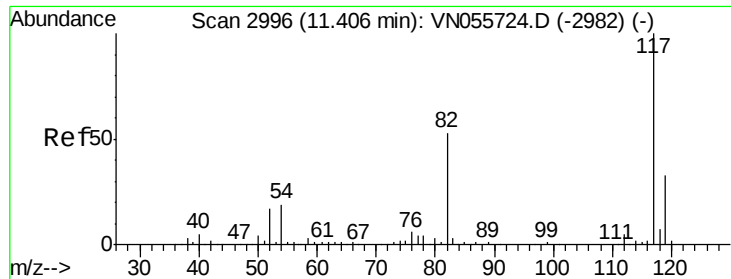
Tot Ion: 63 Resp: 163590
Ion Ratio Lower Upper
63 100
65 32.0 25.4 38.0
106 27.5 22.1 33.1



#56
Bromoform
Concen: 14.059 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 173 Resp: 40135
Ion Ratio Lower Upper
173 100
175 49.1 38.5 57.7
254 9.5 9.4 14.0

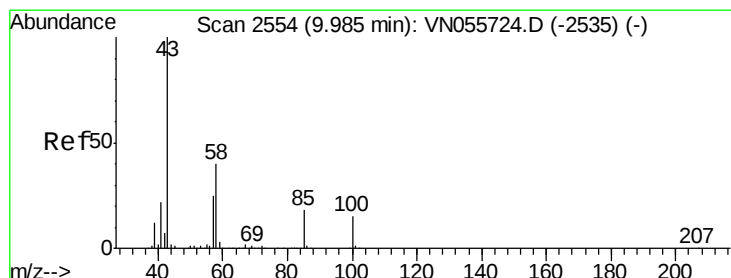
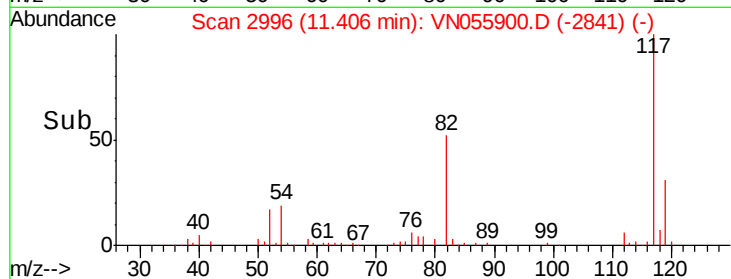
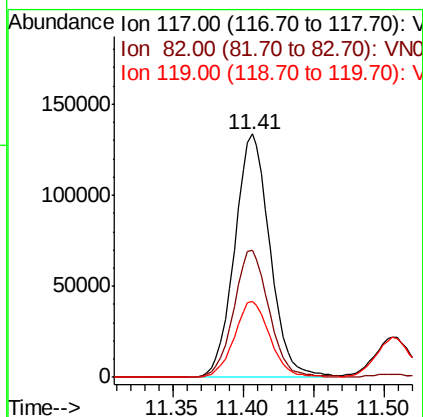
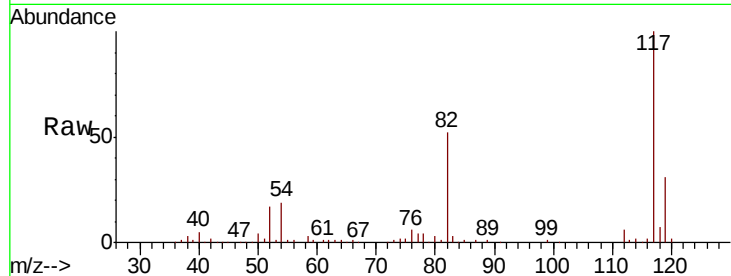




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

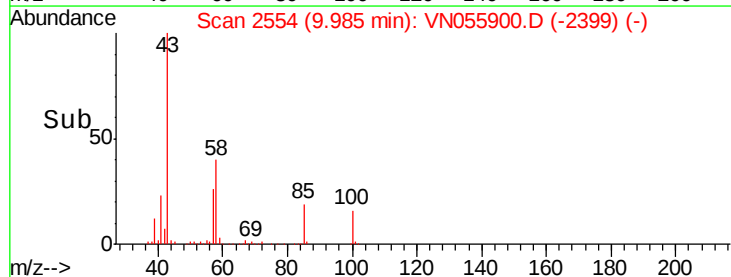
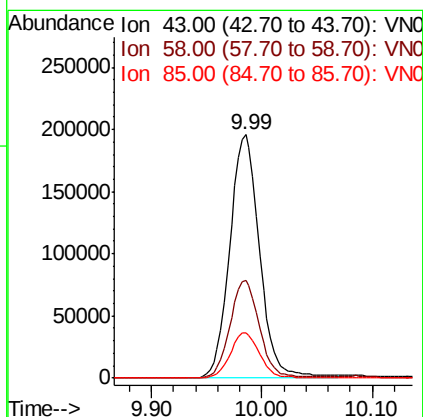
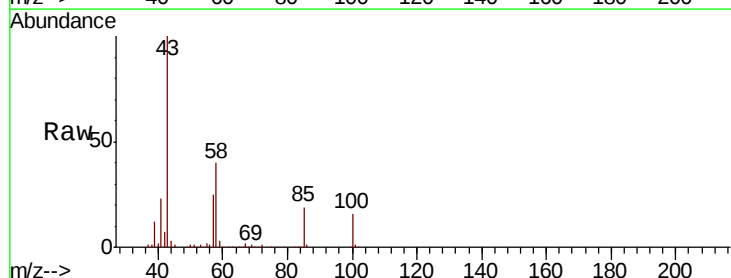
Instrument :
MSVOA_N
ClientSampleId :

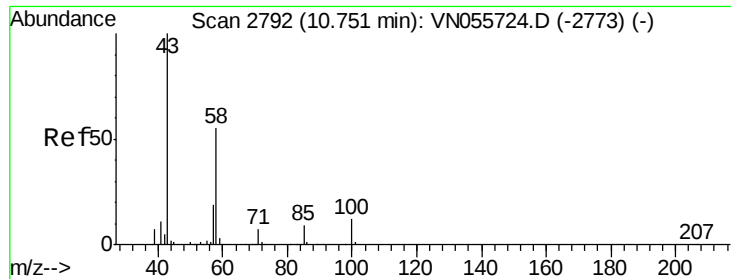
Tot Ion:117 Resp: 234592
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 31.4 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 94.588 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 43 Resp: 367339
Ion Ratio Lower Upper
43 100
58 39.8 31.7 47.5
85 18.4 14.5 21.7

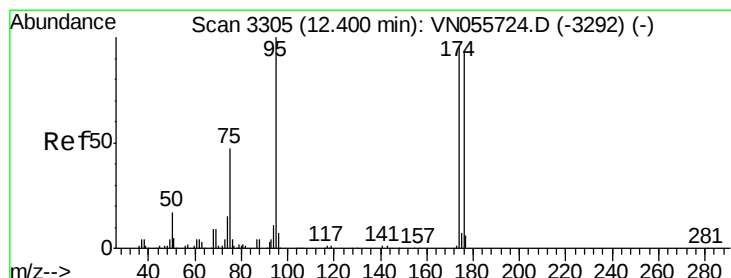
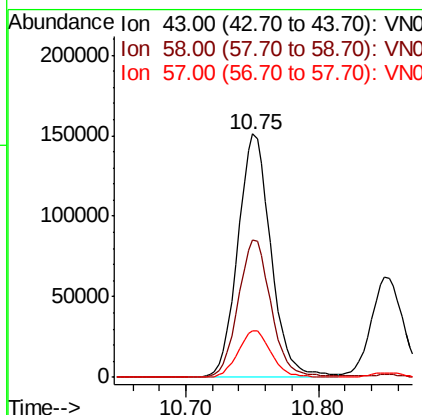
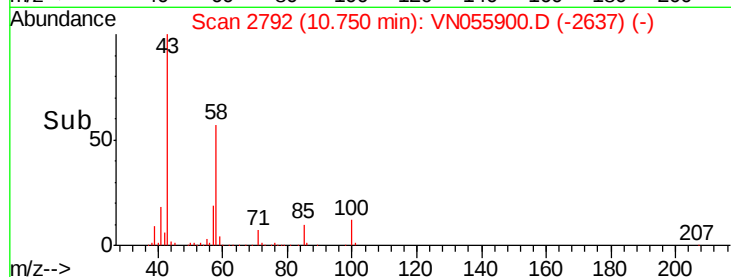
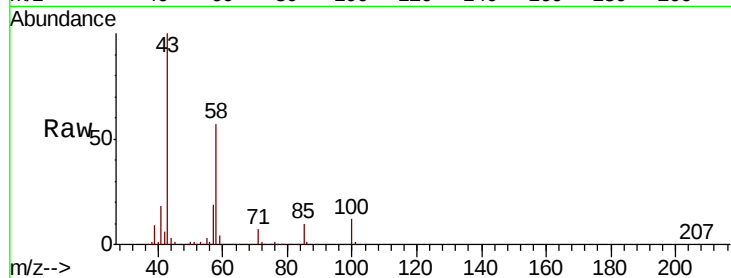




#59
2-Hexanone
Concen: 94.028 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

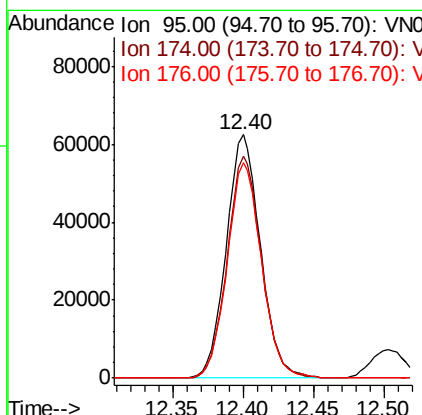
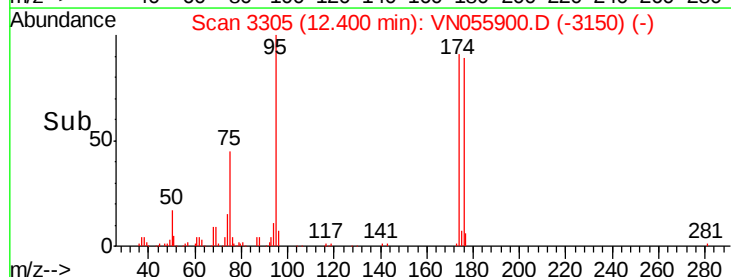
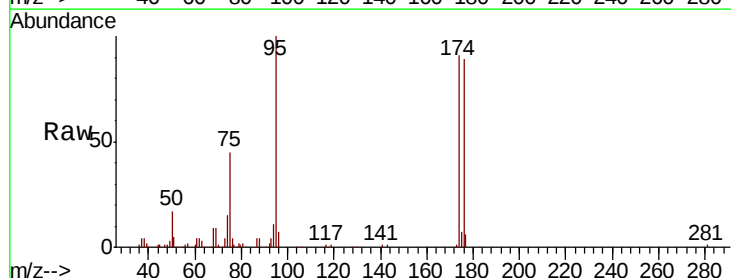
Instrument :
MSVOA_N
ClientSampleId :

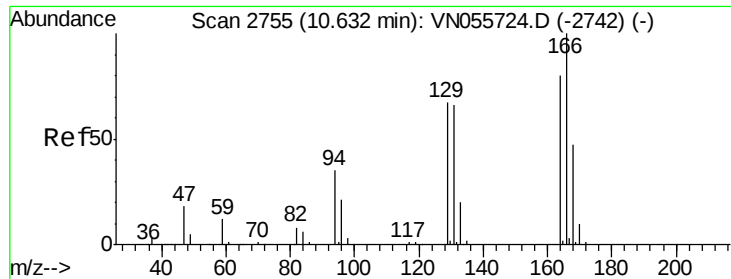
Tot Ion: 43 Resp: 261060
Ion Ratio Lower Upper
43 100
58 56.7 44.8 67.2
57 19.2 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 29.014 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 95 Resp: 105881
Ion Ratio Lower Upper
95 100
174 91.0 75.7 113.5
176 88.8 74.1 111.1





#61

Tetrachloroethene

Concen: 20.679 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 65668

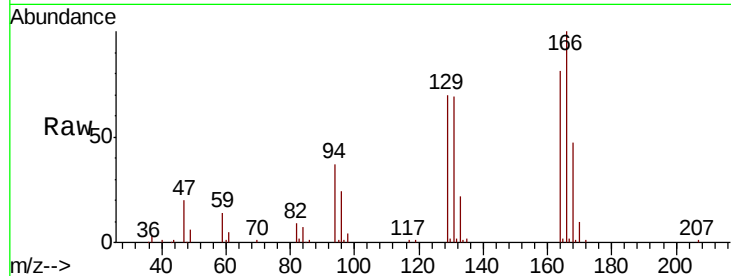
Ion Ratio Lower Upper

164 100

166 124.2 100.6 150.8

129 86.9 67.4 101.2

131 85.2 66.6 99.8

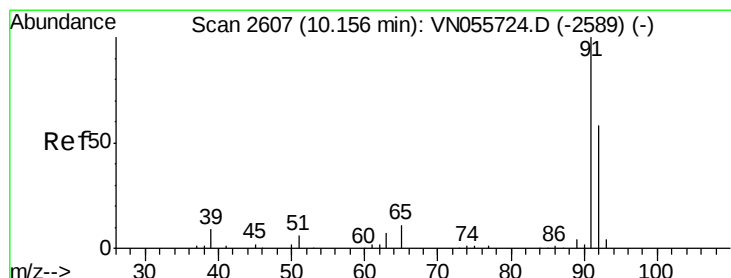
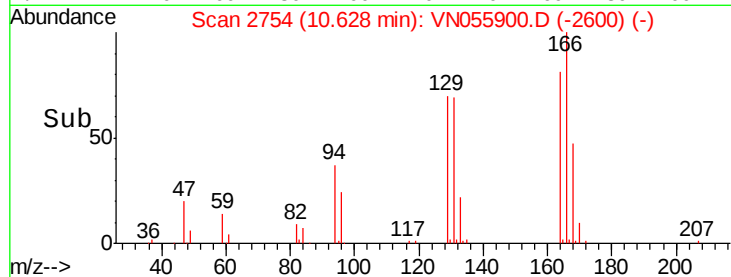
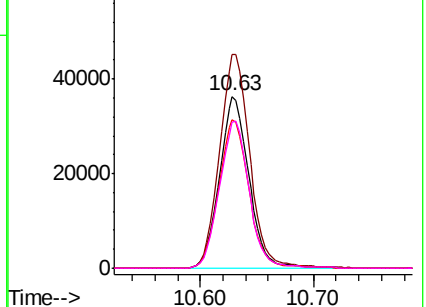


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.570 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055900.D

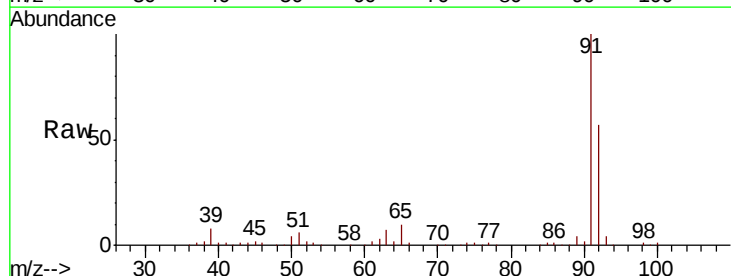
Acq: 30 May 2019 15:22

Tgt Ion: 91 Resp: 259490

Ion Ratio Lower Upper

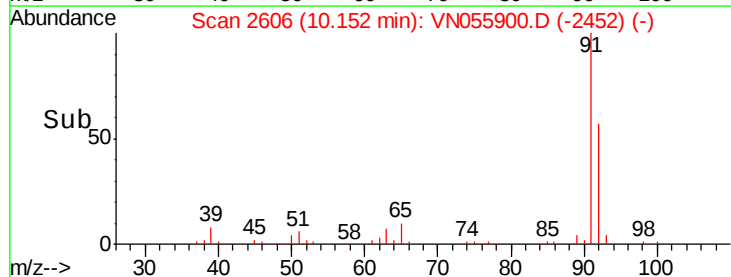
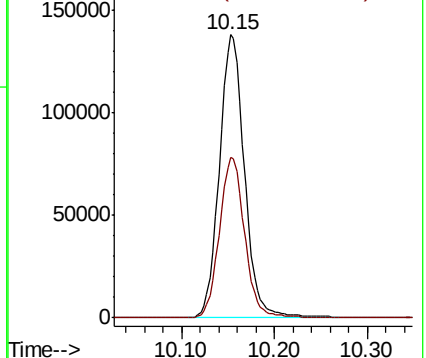
91 100

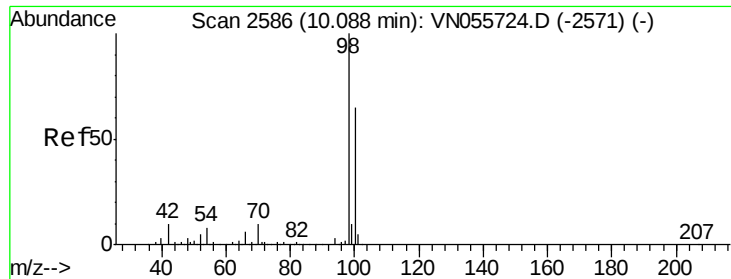
92 56.9 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.955 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

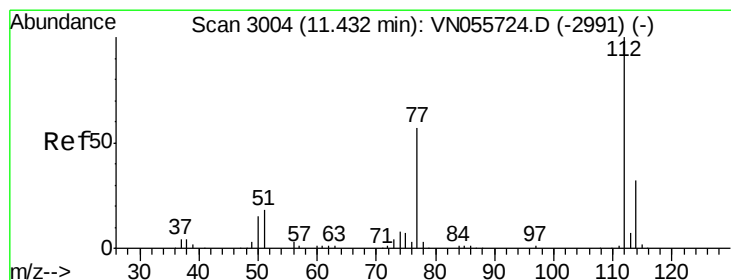
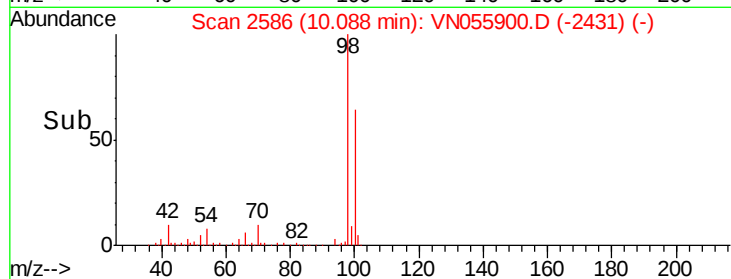
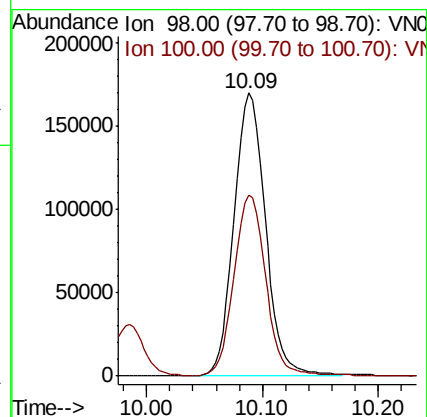
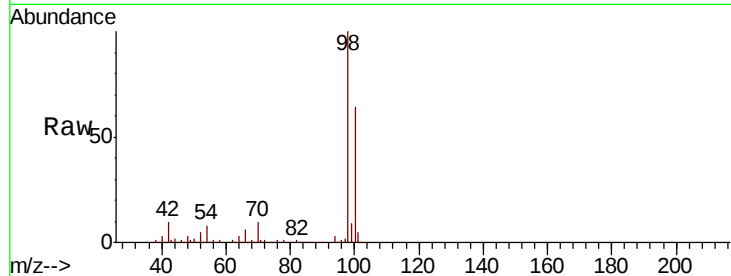
ClientSampleId :

Tot Ion: 98 Resp: 321135

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#64

Chlorobenzene

Concen: 20.367 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055900.D

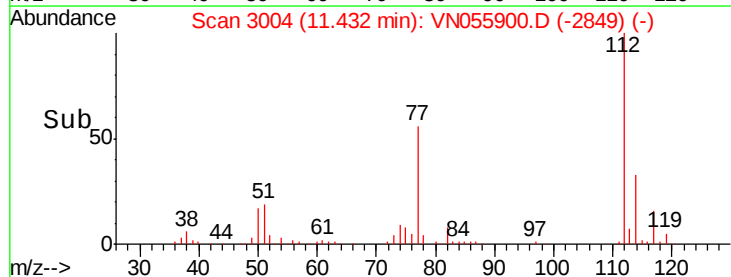
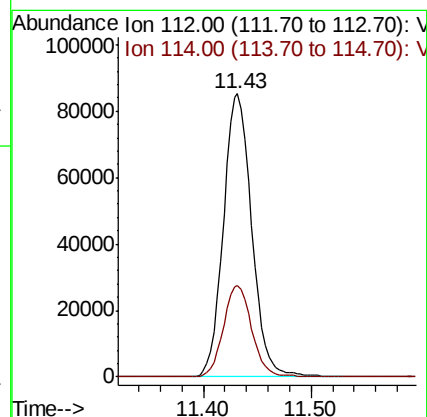
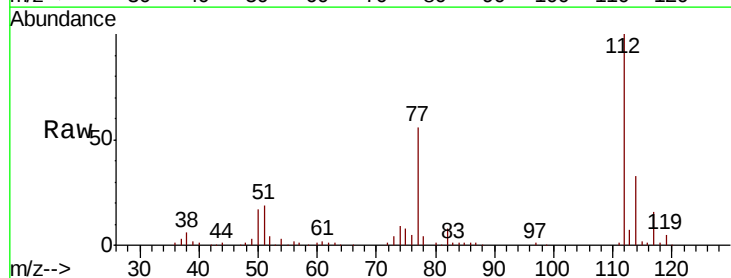
Acq: 30 May 2019 15:22

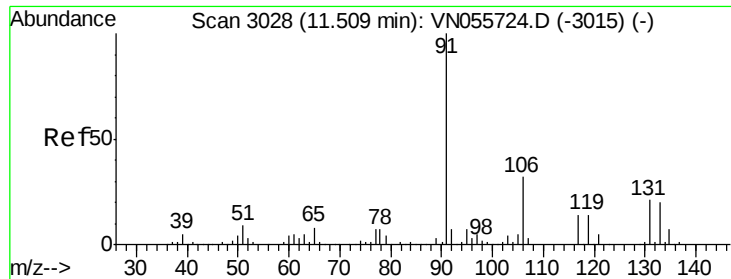
Tgt Ion: 112 Resp: 155859

Ion Ratio Lower Upper

112 100

114 32.5 25.4 38.0

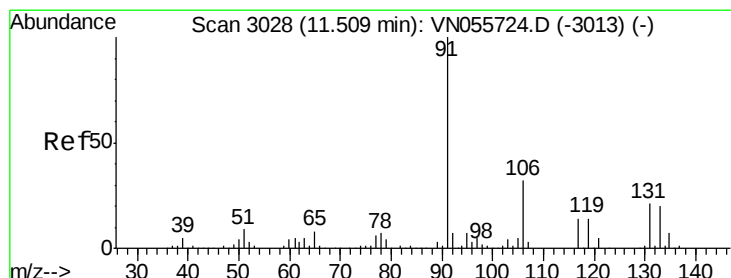
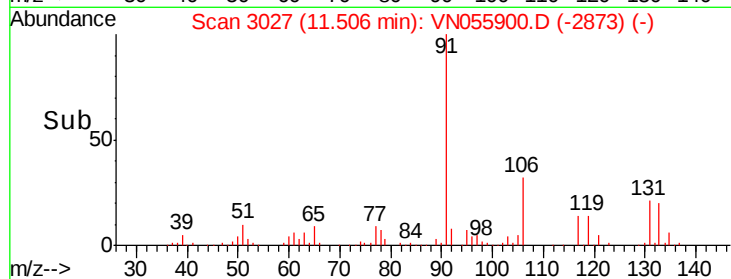
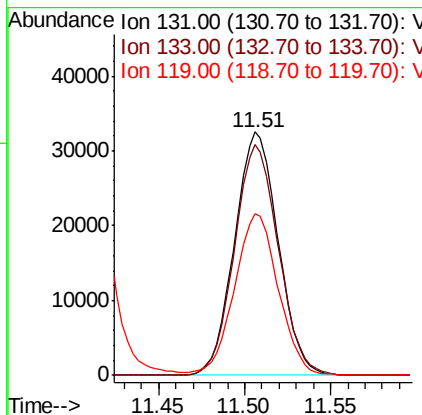
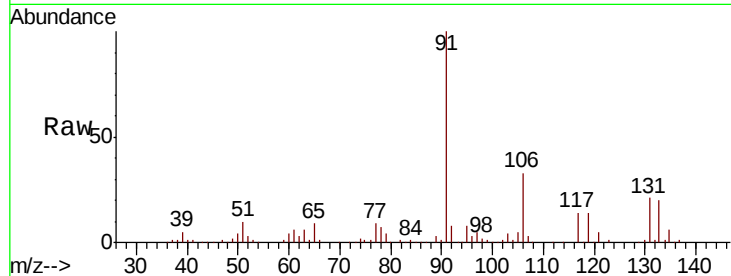




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.600 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

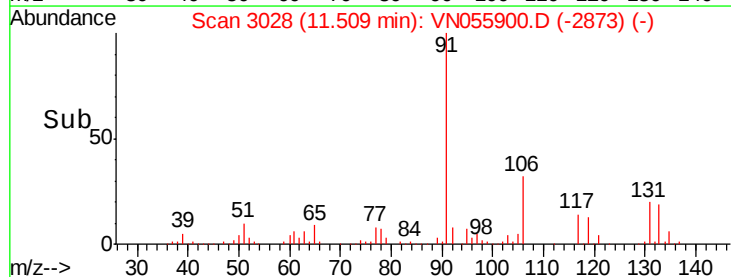
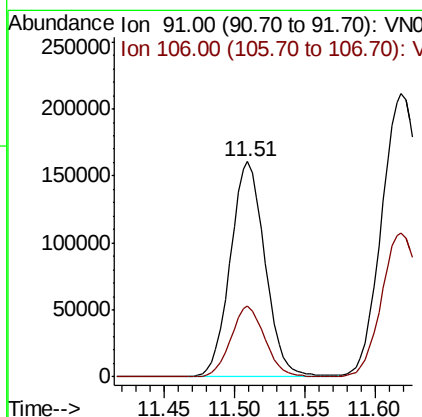
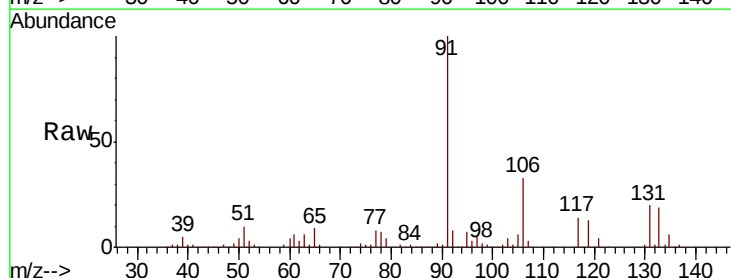
Instrument :
 MSVOA_N
 ClientSampleId :

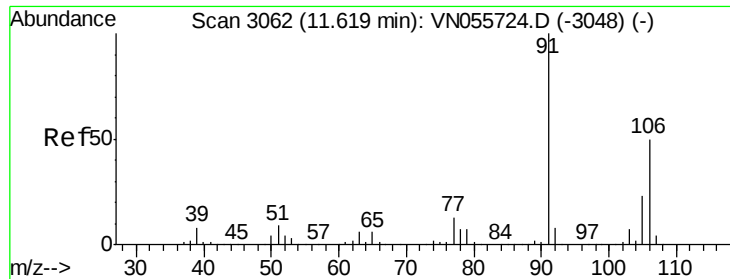
Tot Ion:131 Resp: 57349
 Ion Ratio Lower Upper
 131 100
 133 95.4 0.0 188.8
 119 66.7 0.0 133.6



#66
 Ethyl Benzene
 Concen: 20.151 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion: 91 Resp: 277754
 Ion Ratio Lower Upper
 91 100
 106 32.8 25.6 38.4

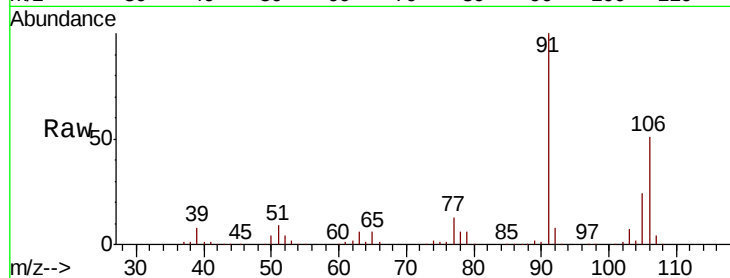




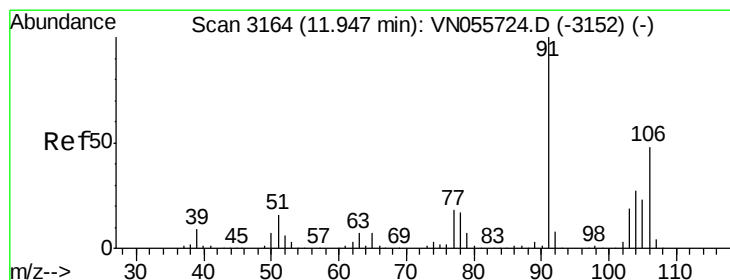
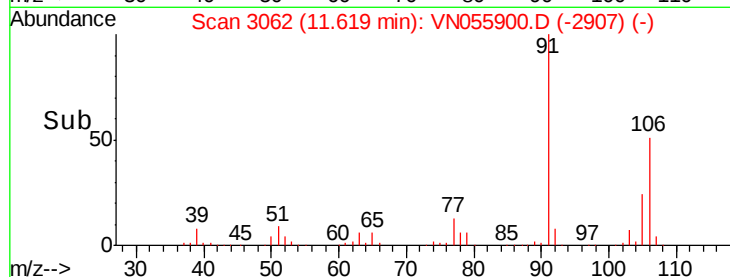
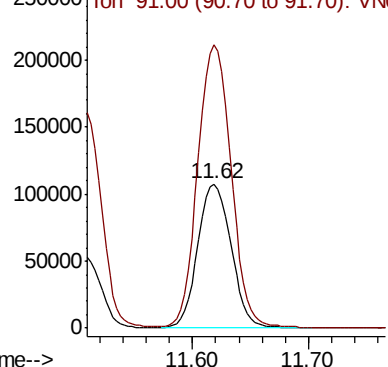
#67
m/p-Xylenes
Concen: 41.070 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 215051
Ion Ratio Lower Upper
106 100
91 197.1 159.5 239.3

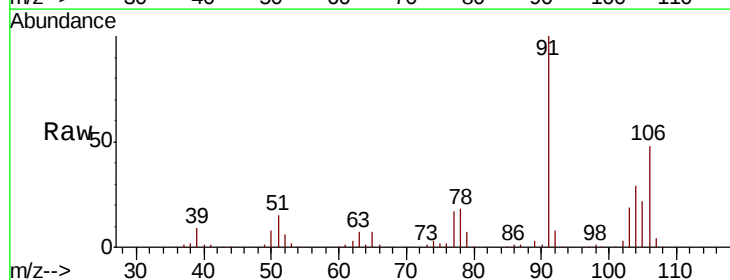


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

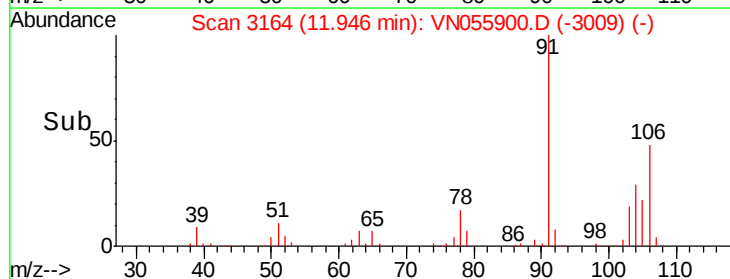
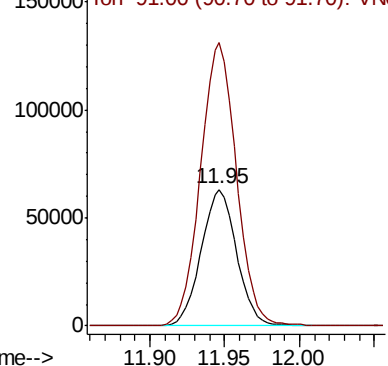


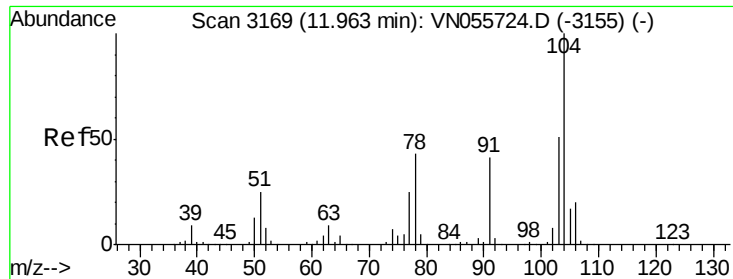
#68
o-Xylene
Concen: 20.122 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion:106 Resp: 104261
Ion Ratio Lower Upper
106 100
91 210.0 105.4 316.1



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

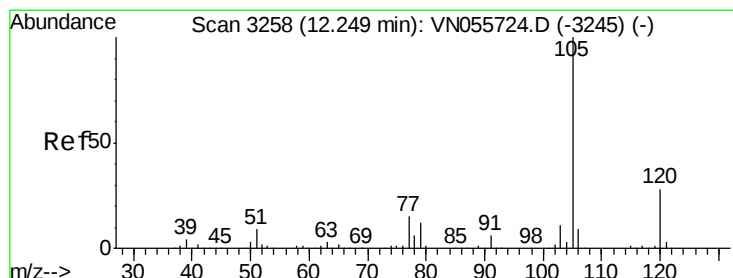
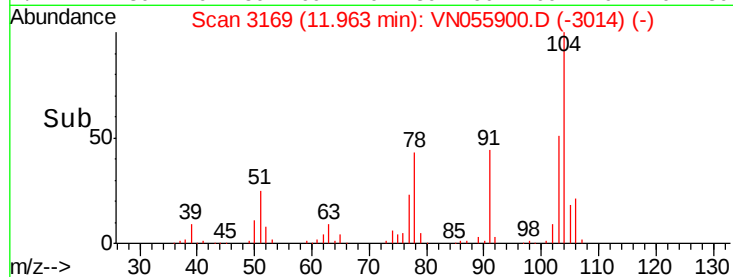
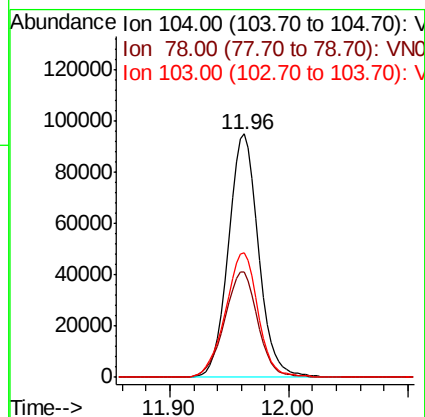
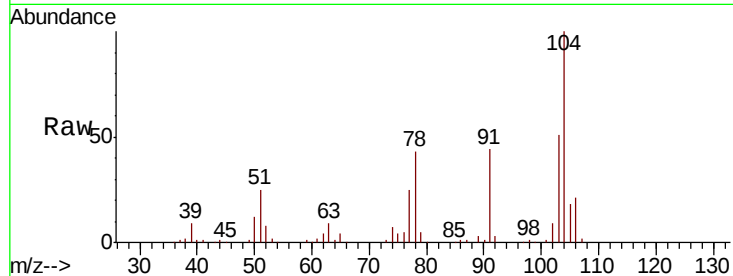




#69
Stvrene
Concen: 19.491 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

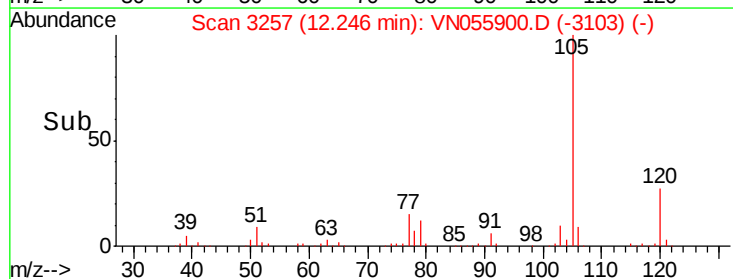
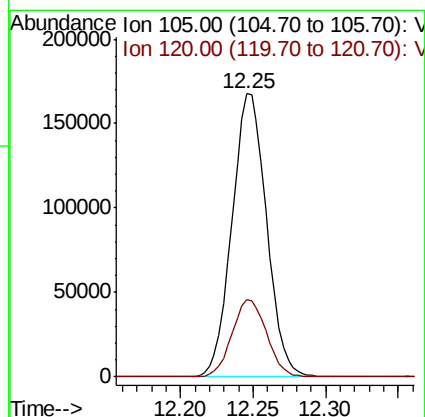
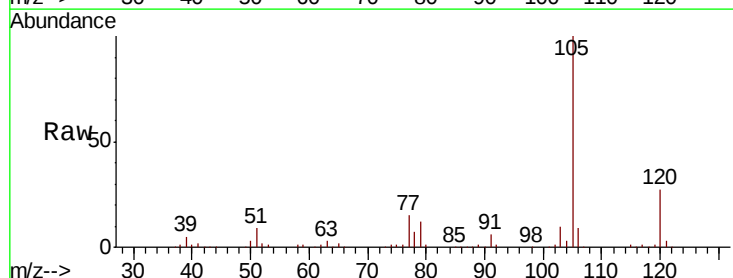
Instrument :
MSVOA_N
ClientSampled :

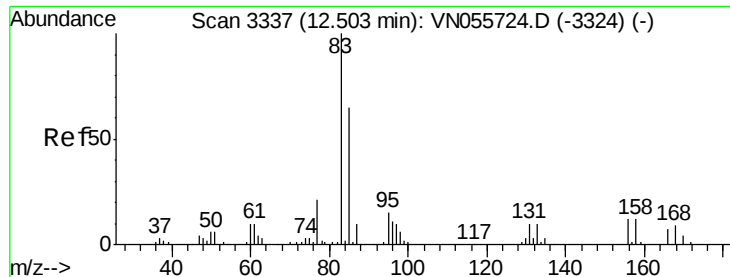
Tot Ion:104 Resp: 166623
Ion Ratio Lower Upper
104 100
78 48.0 38.7 58.1
103 55.4 45.0 67.6



#70
Isopropylbenzene
Concen: 20.448 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion:105 Resp: 277223
Ion Ratio Lower Upper
105 100
120 27.2 19.2 35.6

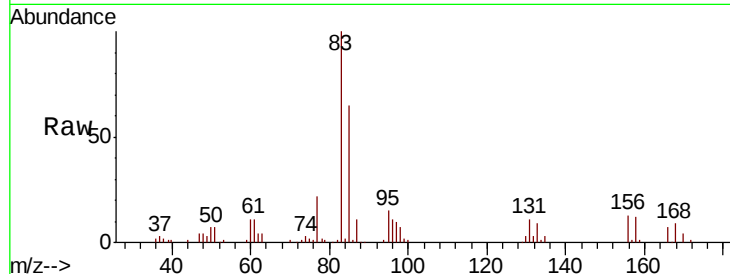




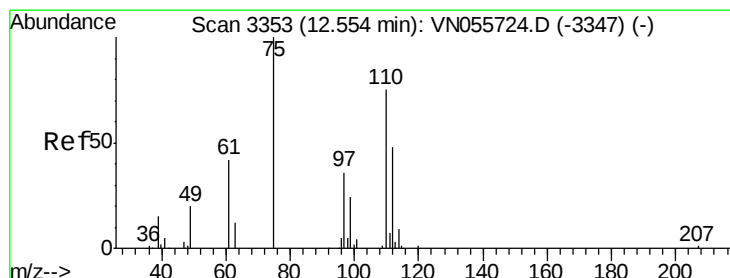
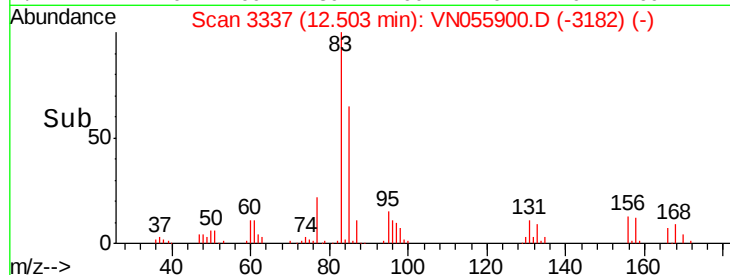
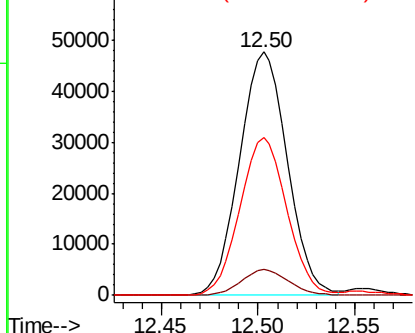
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.658 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	83	Resp	82018
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.8
85	63.7	32.3	96.9

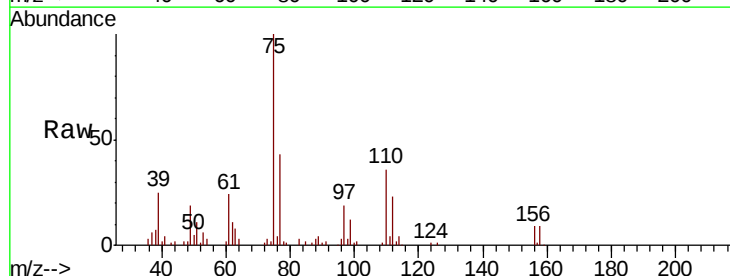


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

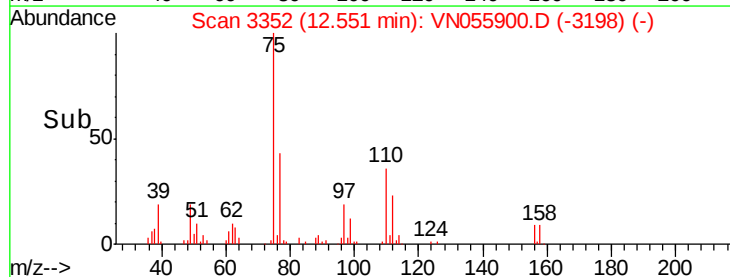
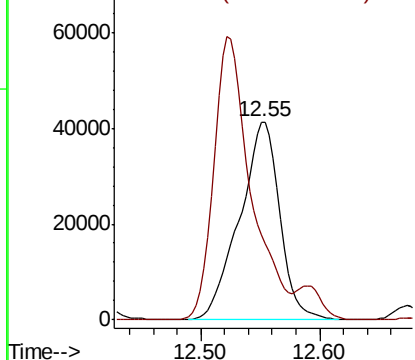


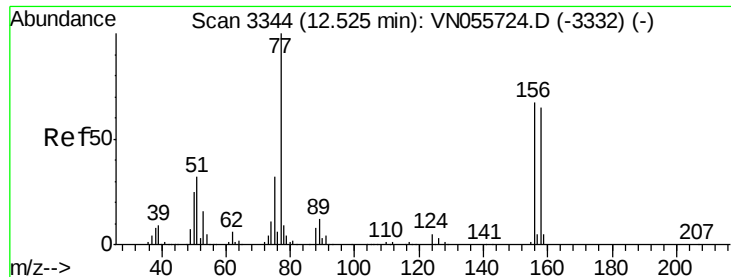
#72
 1,2,3-Trichloropropane
 Concen: 26.925 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion	75	Resp	96686
Ion	Ratio	Lower	Upper
75	100		
77	132.2	0.0	349.8



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





#73

Bromobenzene

Concen: 19.556 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

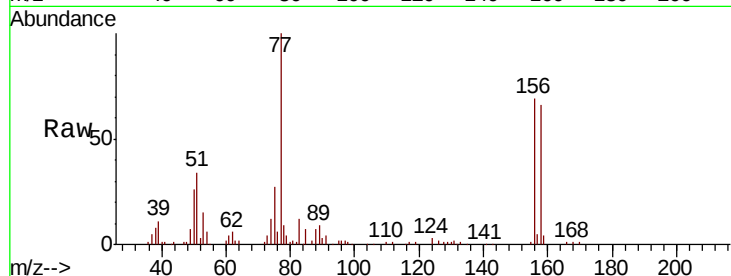
Tot Ion:156 Resp: 70140

Ion Ratio Lower Upper

156 100

77 182.2 0.0 368.0

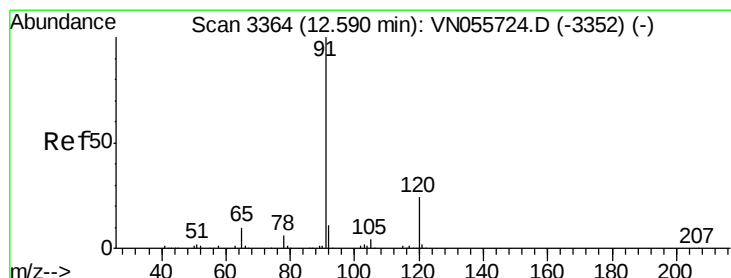
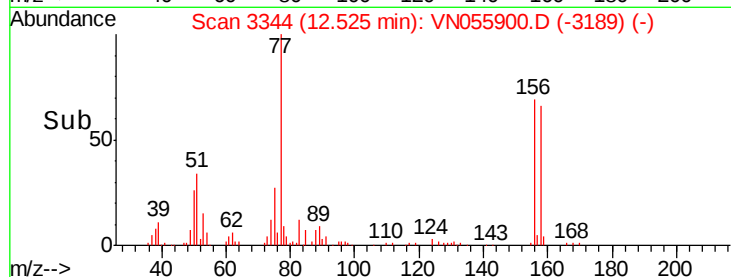
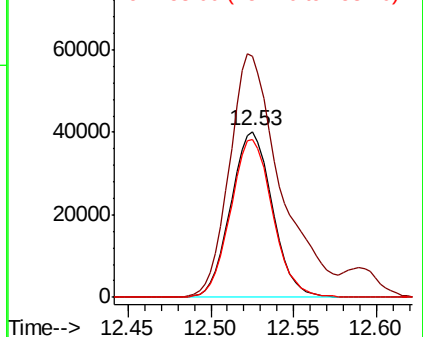
158 96.2 0.0 195.0



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: 20.338 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055900.D

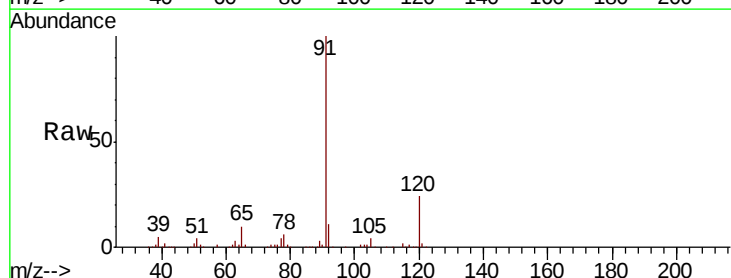
Acq: 30 May 2019 15:22

Tgt Ion: 91 Resp: 297369

Ion Ratio Lower Upper

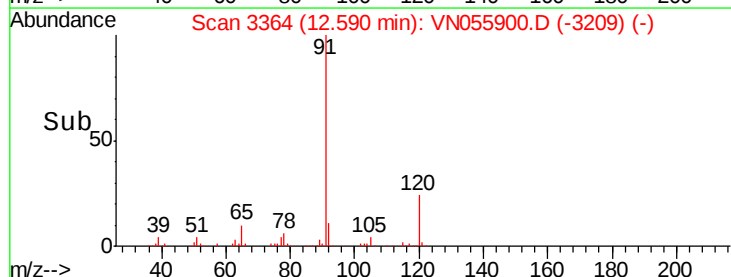
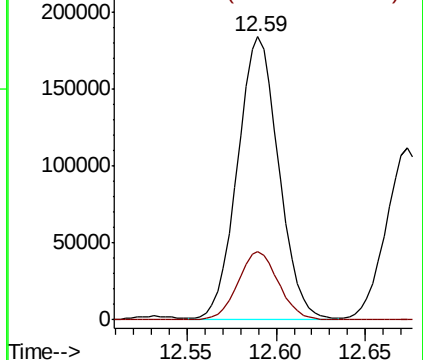
91 100

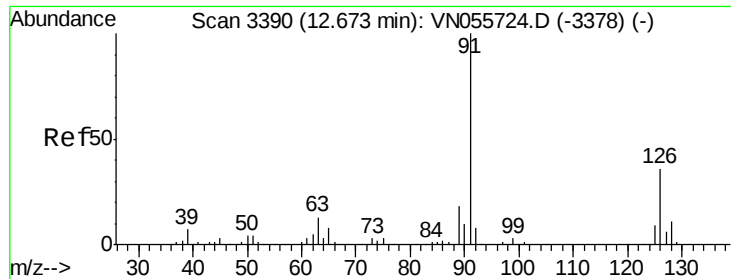
120 23.7 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.690 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

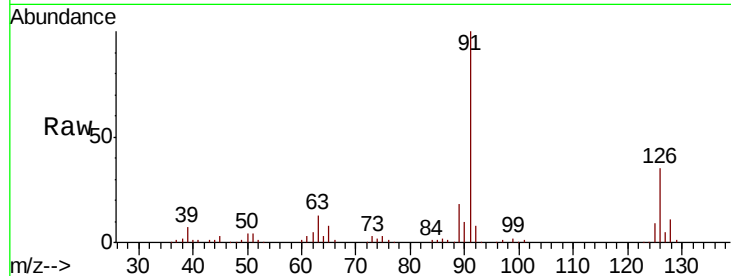
ClientSampled :

Tot Ion: 91 Resp: 184794

Ion Ratio Lower Upper

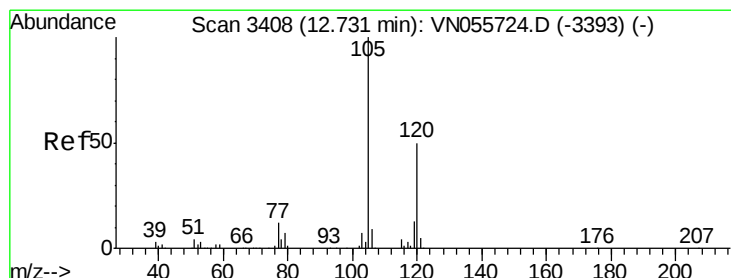
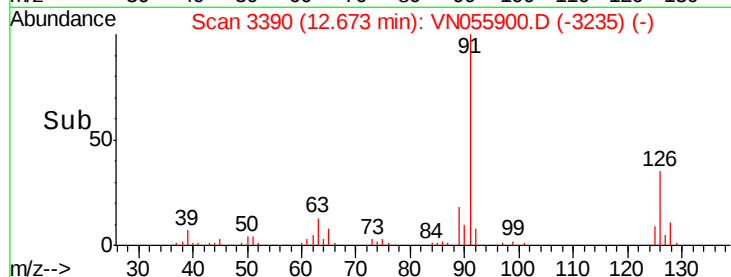
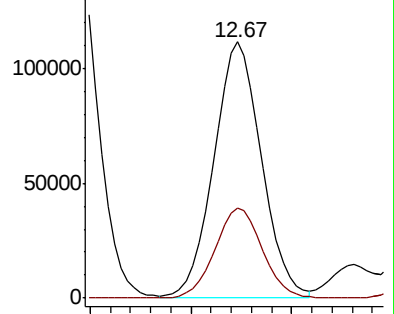
91 100

126 34.8 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) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.795 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055900.D

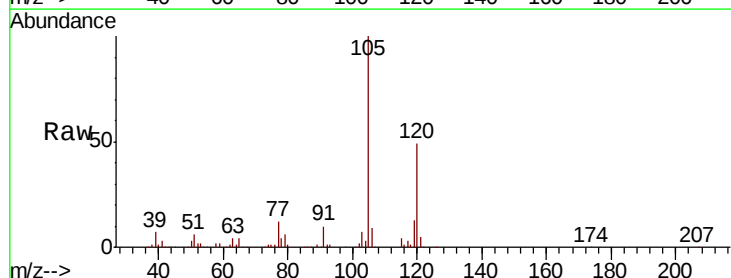
Acq: 30 May 2019 15:22

Tgt Ion: 105 Resp: 233029

Ion Ratio Lower Upper

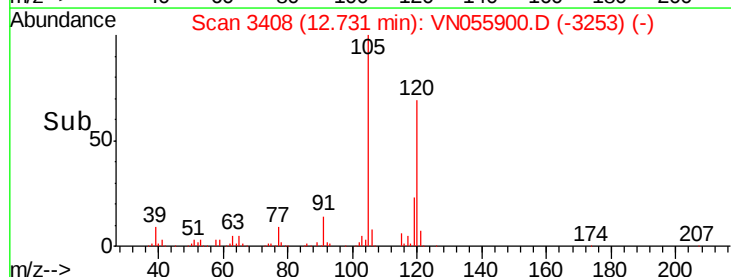
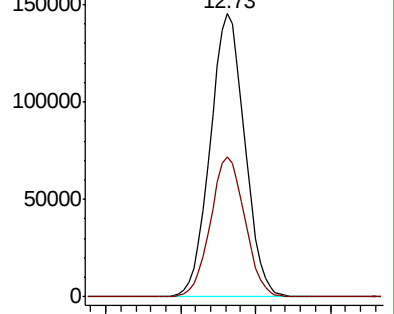
105 100

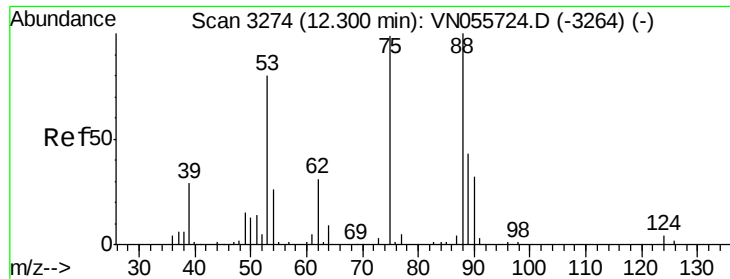
120 49.2 0.0 99.2



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

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





#77

t-1,4-Dichloro-2-butene

Concen: 14.446 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

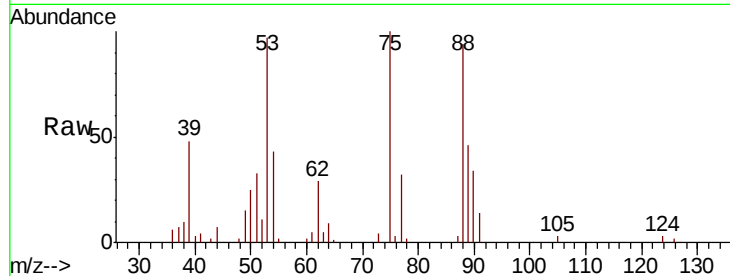
Tot Ion: 75 Resp: 20605

Ion Ratio Lower Upper

75 100

53 97.0 40.1 120.3

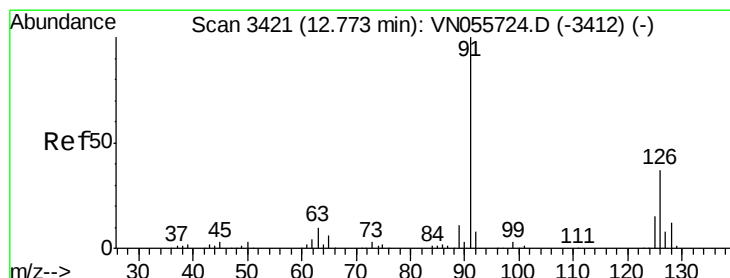
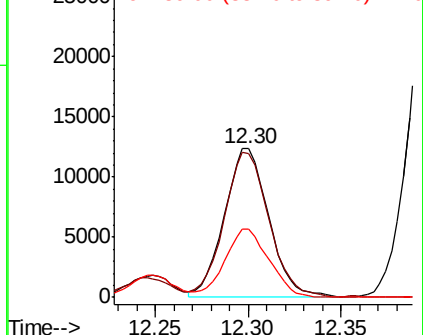
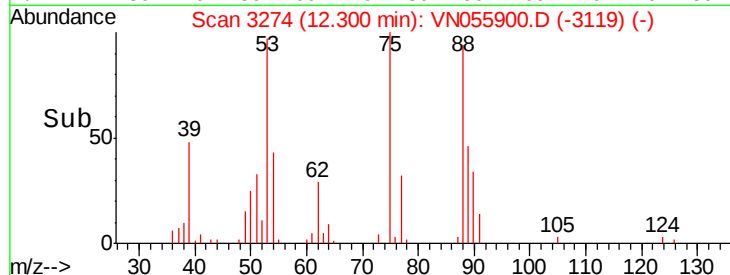
89 45.9 22.6 67.8



Abundance Ion 75.00 (74.70 to 75.70): VN055900.D (-3119) (-)

Ion 53.00 (52.70 to 53.70): VN055900.D (-3119) (-)

Ion 89.00 (88.70 to 89.70): VN055900.D (-3119) (-)



#78

4-Chlorotoluene

Concen: 20.079 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055900.D

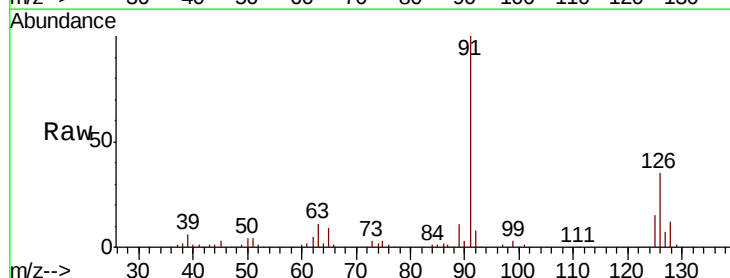
Acq: 30 May 2019 15:22

Tgt Ion: 91 Resp: 169967

Ion Ratio Lower Upper

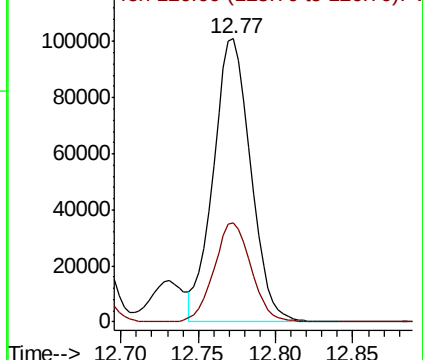
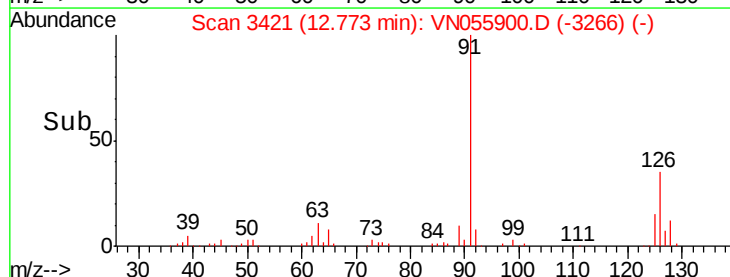
91 100

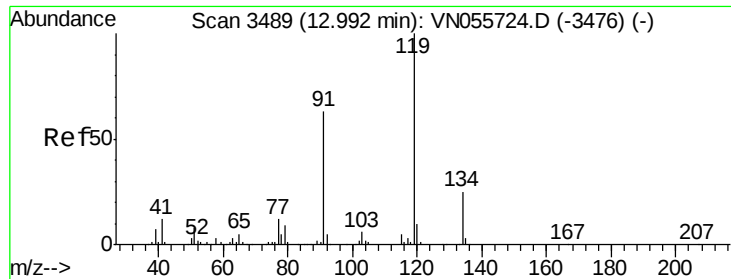
126 34.7 0.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VN055900.D (-3266) (-)

Ion 126.00 (125.70 to 126.70): VN055900.D (-3266) (-)

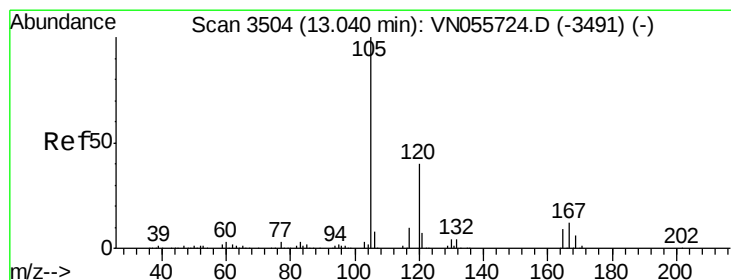
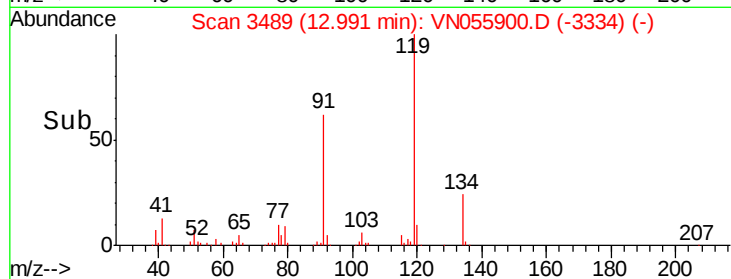
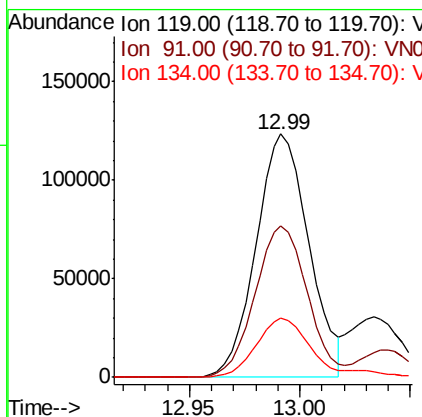
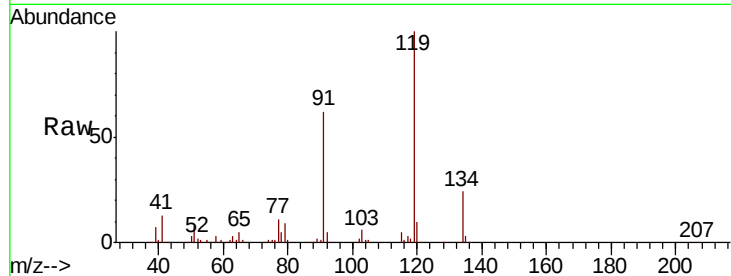




#79
tert-butylbenzene
Concen: 20.779 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

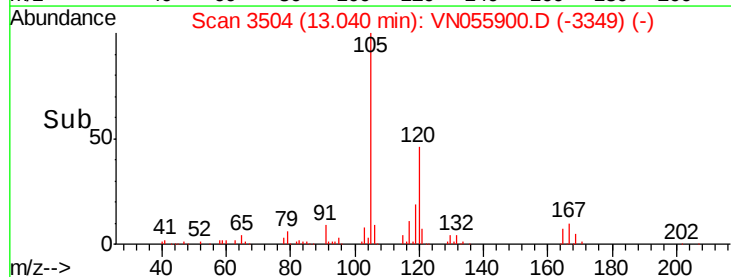
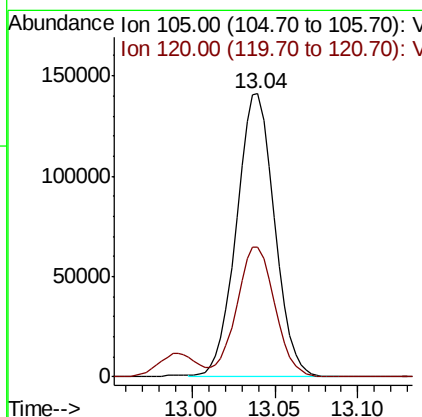
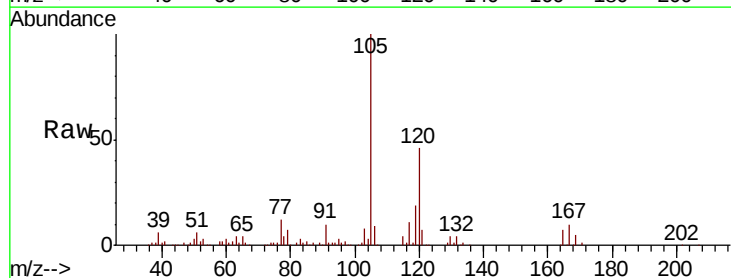
Instrument :
MSVOA_N
ClientSampleId :

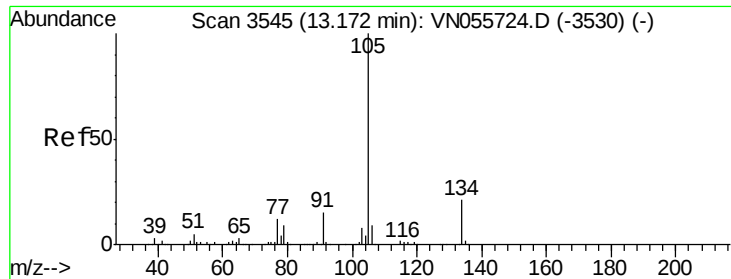
Tot Ion:119 Resp: 204710
Ion Ratio Lower Upper
119 100
91 61.6 0.0 123.8
134 24.6 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 20.260 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion:105 Resp: 225384
Ion Ratio Lower Upper
105 100
120 46.1 0.0 93.6

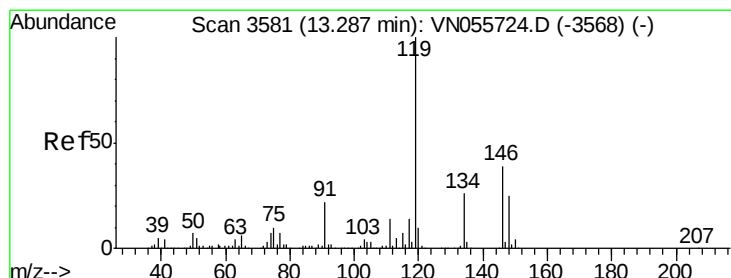
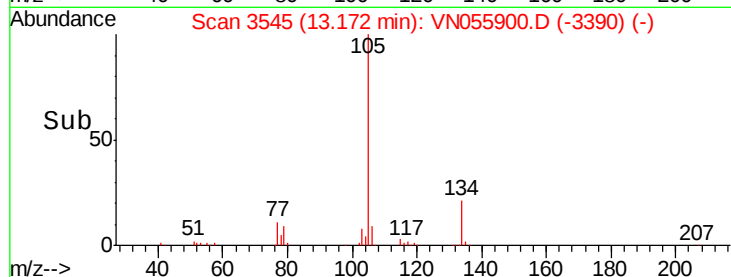
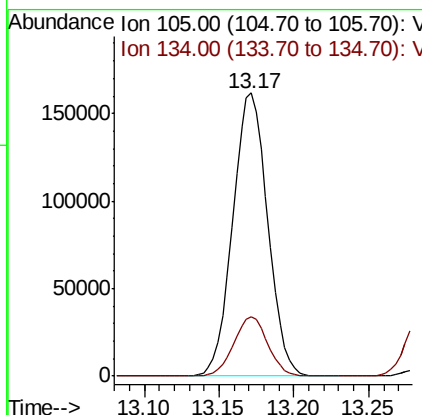
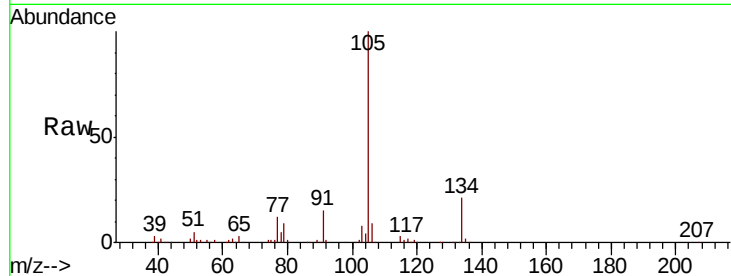




#81
 sec-Butylbenzene
 Concen: 20.955 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

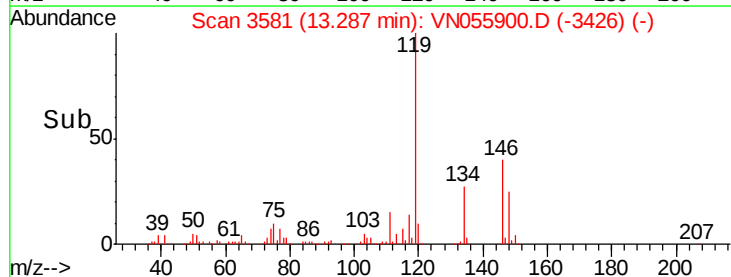
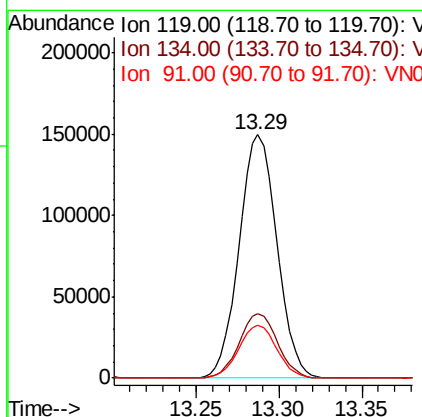
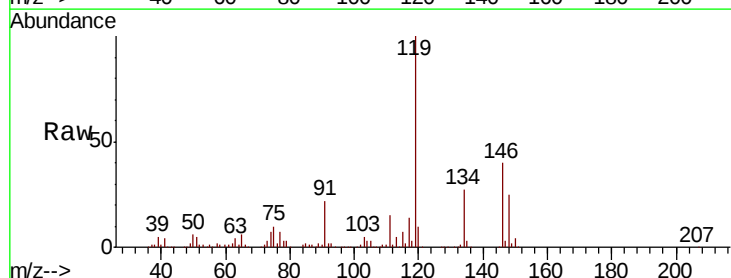
Instrument :
 MSVOA_N
 ClientSampleId :

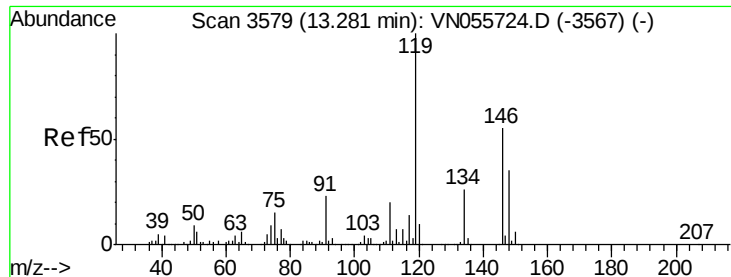
Tot Ion:105 Resp: 262294
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 41.4



#82
 p-Isopropyltoluene
 Concen: 20.595 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion:119 Resp: 237252
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.0
 91 22.1 0.0 44.4

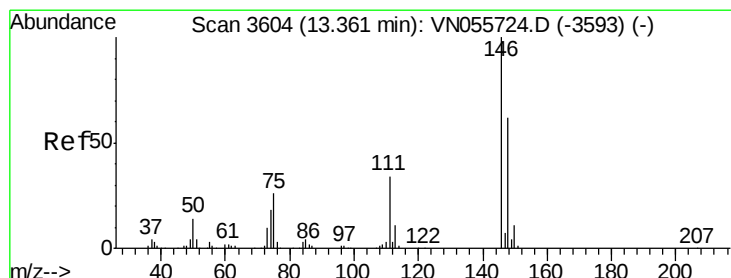
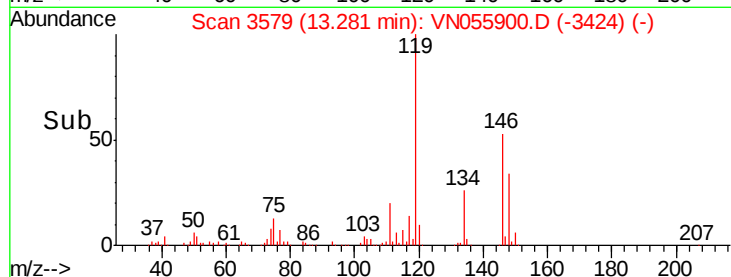
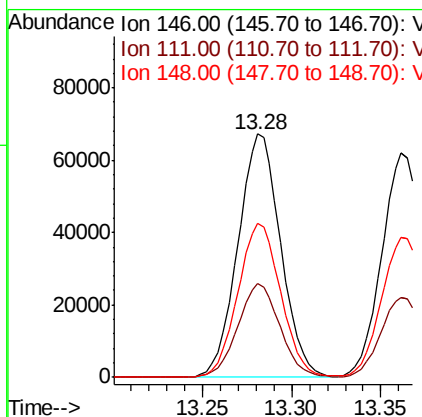
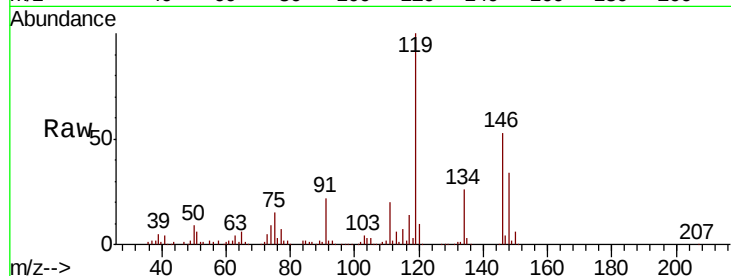




#83
 1,3-Dichlorobenzene
 Concen: 20.039 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

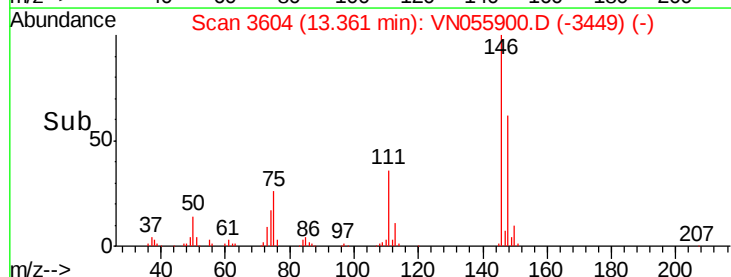
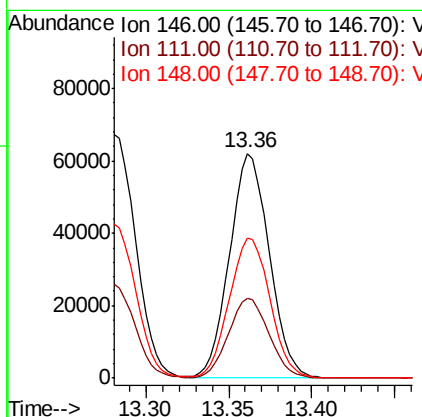
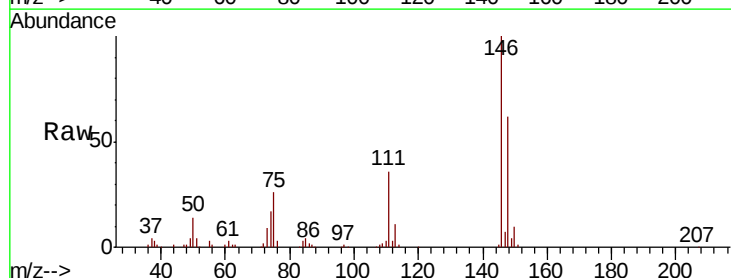
Instrument :
 MSVOA_N
 ClientSampled :

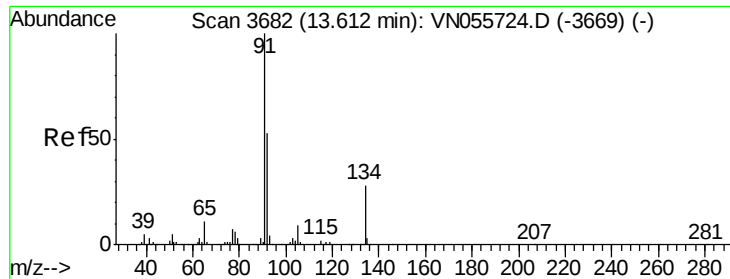
Tot Ion:146 Resp: 112664
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 63.4 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 19.387 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion:146 Resp: 103807
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.5 52.6
 148 63.7 31.8 95.4

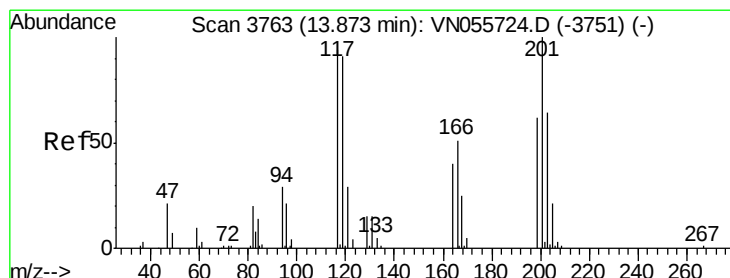
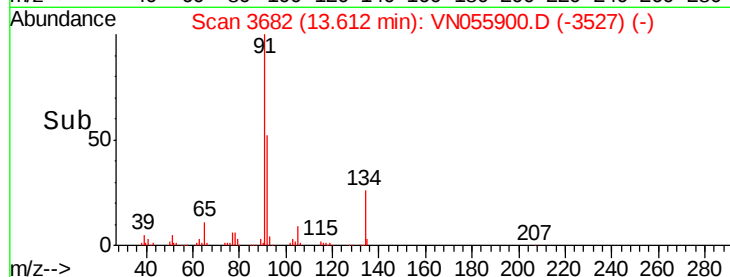
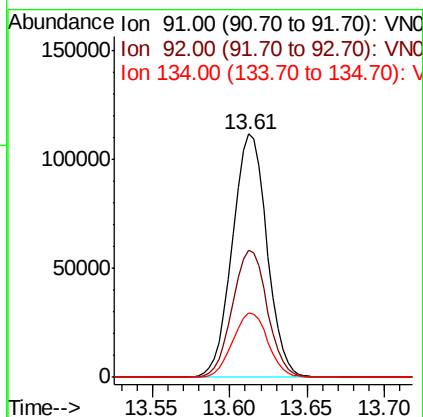
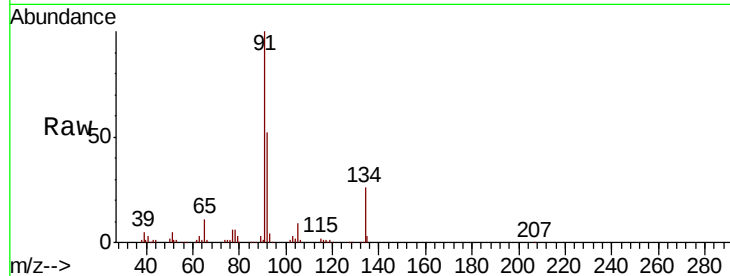




#85
n-Butylbenzene
Concen: 19.351 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

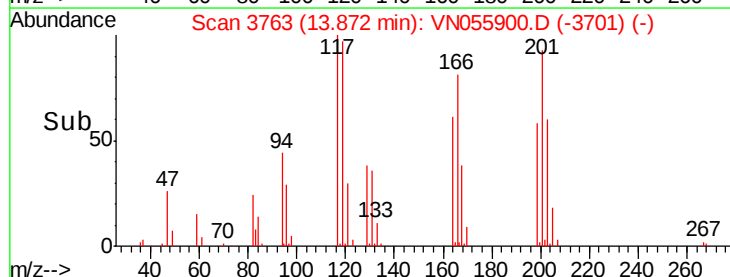
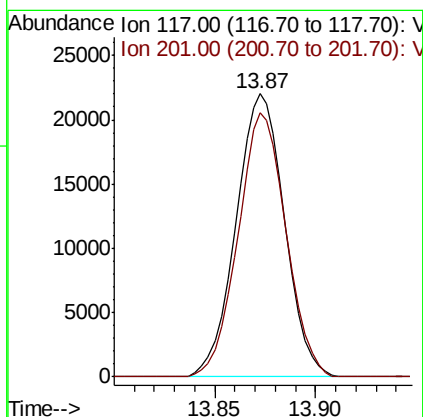
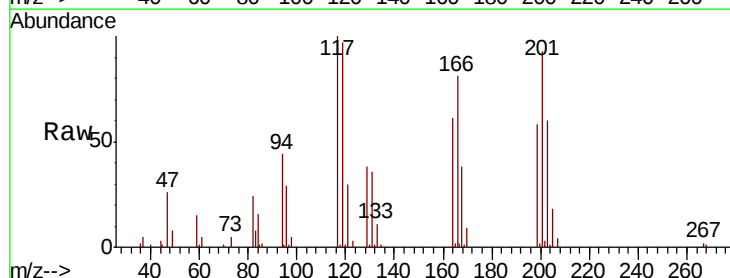
Instrument :
MSVOA_N
ClientSampled :

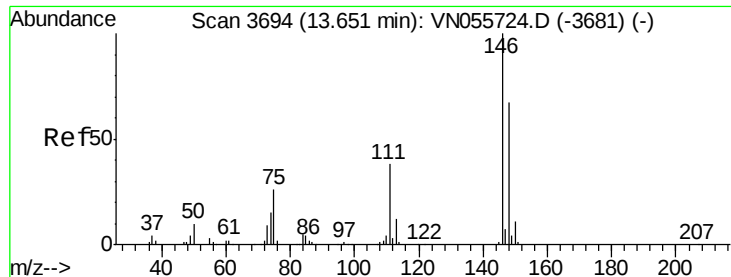
Tot Ion: 91 Resp: 173419
Ion Ratio Lower Upper
91 100
92 52.8 0.0 106.8
134 26.9 0.0 55.2



#86
Hexachloroethane
Concen: 16.309 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055900.D
Acq: 30 May 2019 15:22

Tgt Ion: 117 Resp: 36952
Ion Ratio Lower Upper
117 100
201 92.2 52.5 157.6

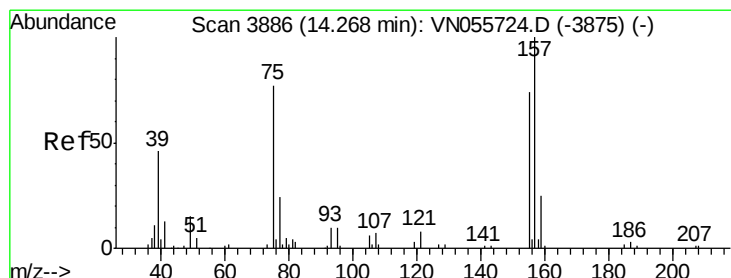
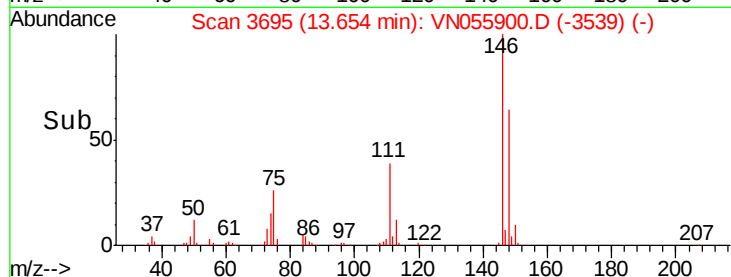
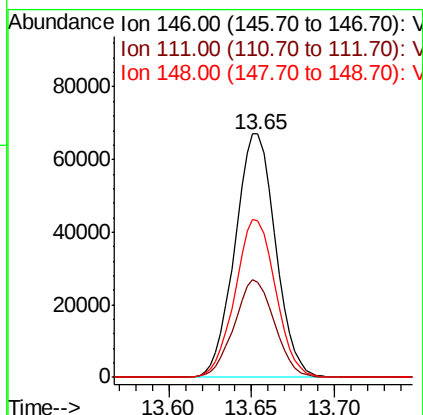
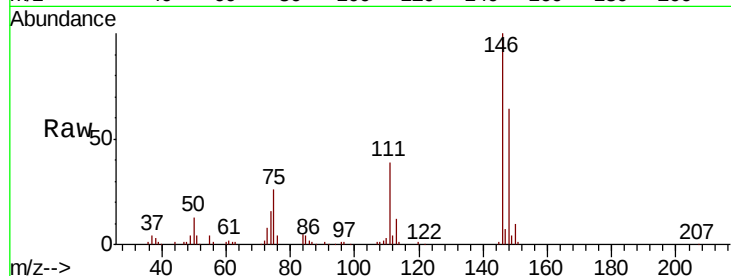




#87
 1,2-Dichlorobenzene
 Concen: 20.229 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

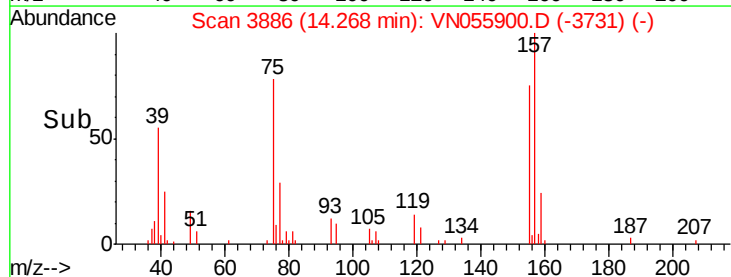
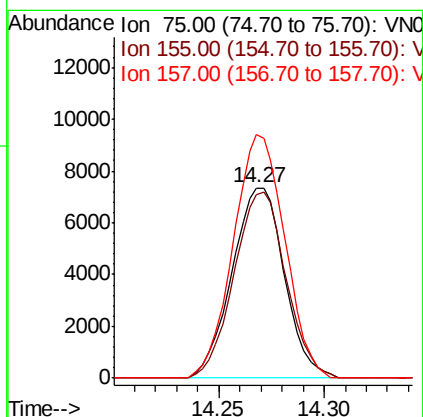
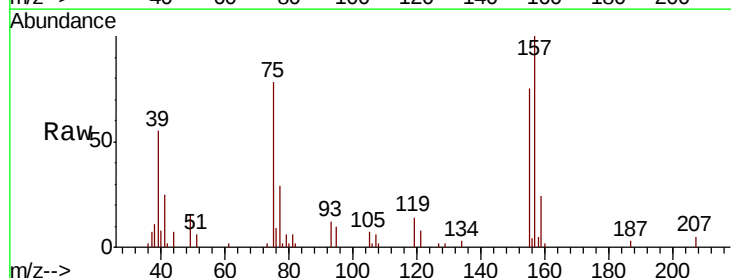
Instrument :
 MSVOA_N
 ClientSampled :

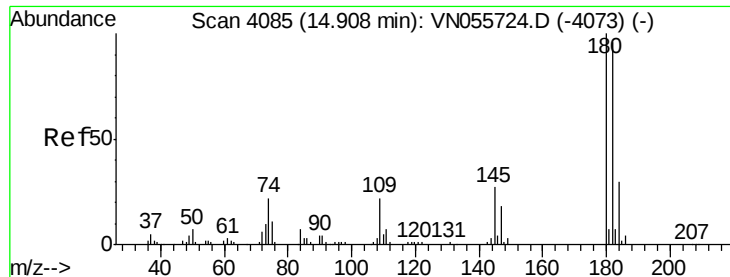
Tot Ion:146 Resp: 114525
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.2 57.6
 148 64.8 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.037 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion: 75 Resp: 12682
 Ion Ratio Lower Upper
 75 100
 155 97.0 78.4 117.6
 157 125.7 105.0 157.4

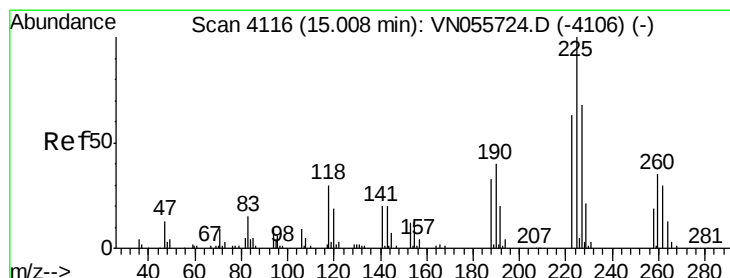
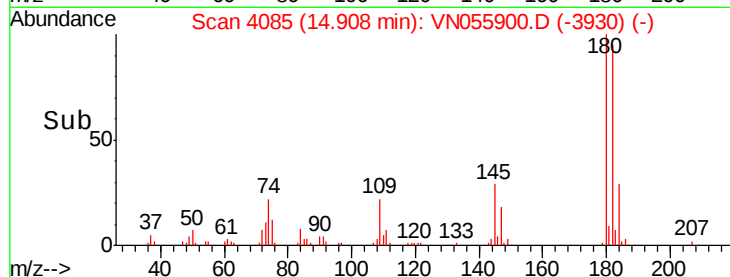
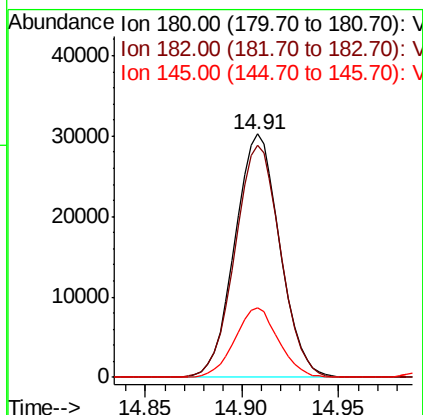
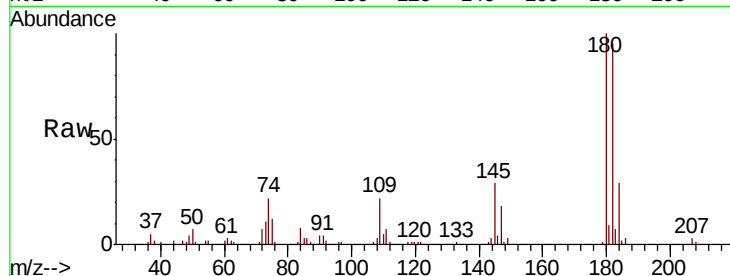




#89
 1,2,4-Trichlorobenzene
 Concen: 15.989 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

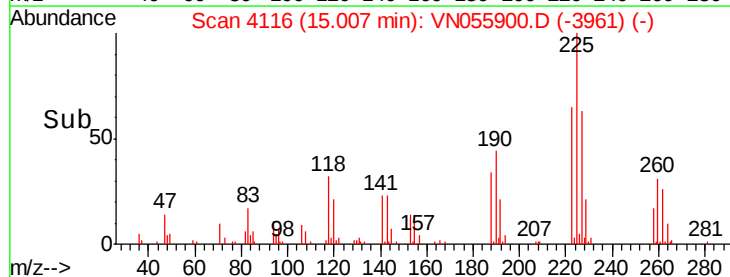
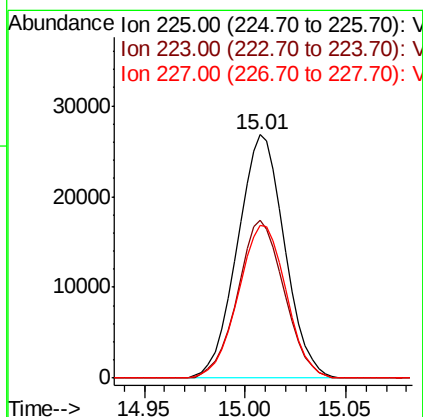
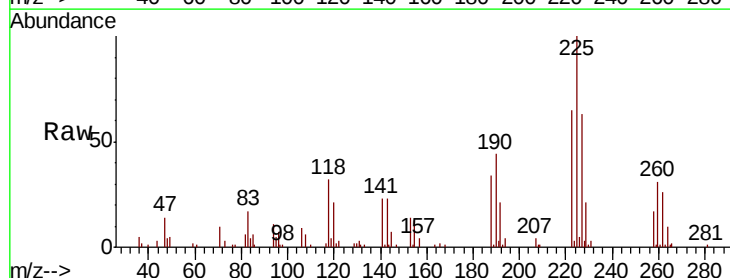
Instrument :
 MSVOA_N
 ClientSampled :

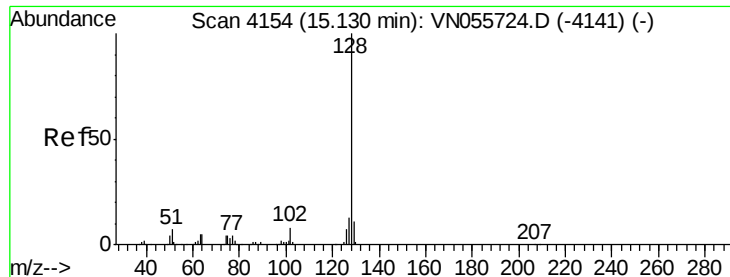
Tot Ion:180 Resp: 48862
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.1 114.1
 145 27.7 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 19.242 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055900.D
 Acq: 30 May 2019 15:22

Tgt Ion:225 Resp: 43875
 Ion Ratio Lower Upper
 225 100
 223 64.0 0.0 126.0
 227 63.8 0.0 133.0





#91

Naphthalene

Concen: 15.183 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

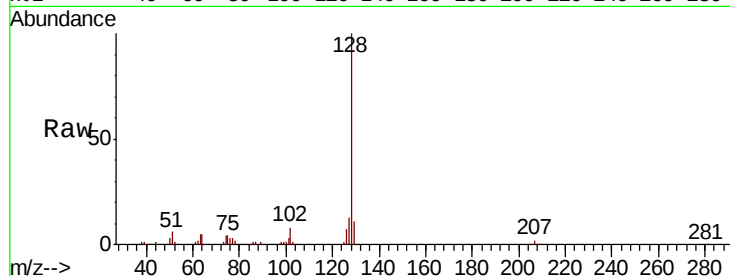
Tot Ion:128 Resp: 126779

Ion Ratio Lower Upper

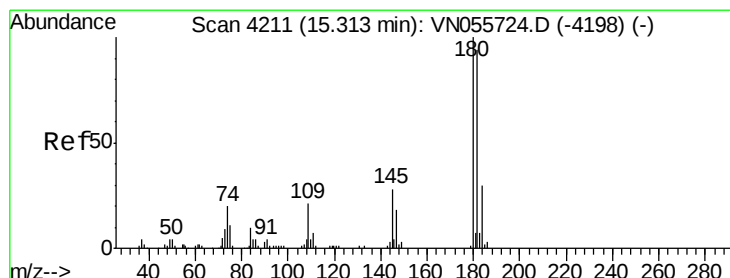
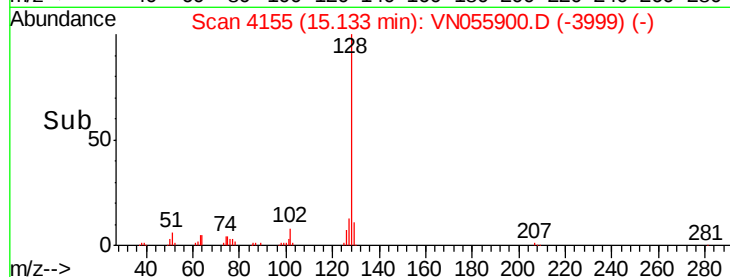
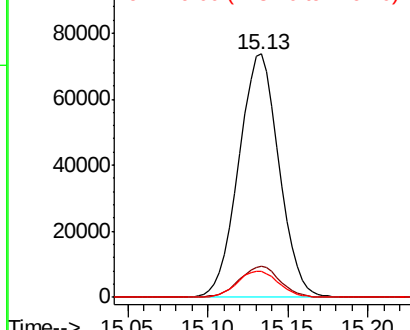
128 100

127 12.8 10.0 15.0

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
100000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.045 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055900.D

Acq: 30 May 2019 15:22

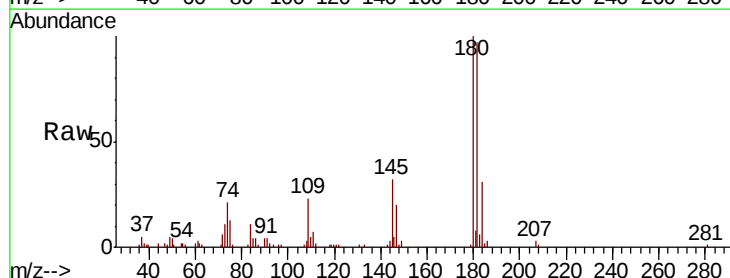
Tgt Ion:180 Resp: 54440

Ion Ratio Lower Upper

180 100

182 95.2 0.0 188.6

145 30.0 0.0 56.8



Abundance Ion 180.00 (179.70 to 180.70): V
40000
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

