

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055728.D
 Acq On : 22 May 2019 19:27
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Quant Time: May 23 06:03:05 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	57129	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	308336	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	268751	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	110829	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	12.40	95	122263	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.09	98	374539	30.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	48078	19.194	ug/l 97
3) Chloromethane	2.06	50	71121	19.962	ug/l 97
4) Vinyl Chloride	2.18	62	73384	20.181	ug/l 98
5) Bromomethane	2.54	94	50434	23.689	ug/l 99
6) Chloroethane	2.69	64	44849	21.113	ug/l 96
7) Trichlorofluoromethane	3.01	101	91094	19.968	ug/l 97
8) Diethyl Ether	3.41	74	41703	20.794	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56562	19.622	ug/l 99
10) 1,1-Dichloroethene	3.72	96	61200	20.296	ug/l 99
11) Methyl Iodide	3.94	142	79082	18.384	ug/l 98
12) Methyl Acetate	4.33	43	72361	19.621	ug/l 98
13) Acrolein	3.60	56	49287	96.182	ug/l 100
14) Acrylonitrile	4.99	53	168919	100.464	ug/l 99
15) Acetone	3.82	58	49409	94.620	ug/l 87
16) Carbon Disulfide	4.04	76	178479	20.644	ug/l 100
17) Allyl chloride	4.31	41	109767	20.212	ug/l 99
18) Methylene Chloride	4.55	84	70568	20.433	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	65322	20.137	ug/l 96
20) Diisopropyl ether	5.96	45	210244	19.956	ug/l 96
21) 1,1-Dichloroethane	5.85	63	120733	20.277	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	76424	20.201	ug/l 97
23) tert-Butyl Alcohol	4.81	59	69677	94.358	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	205087	20.044	ug/l 100
25) Chloroform	7.37	83	119052	20.244	ug/l 100
26) Cyclohexane	7.65	56	109254	19.889	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	90065	20.865	ug/l 98
30) 2-Butanone	6.84	43	229729	99.853	ug/l 99
31) 2,2-Dichloropropane	6.82	77	98738	19.657	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	104004	20.329	ug/l 99
33) Carbon Tetrachloride	7.77	117	93562	20.443	ug/l 98
34) Benzene	8.04	78	273839	20.549	ug/l 98
35) Methacrylonitrile	7.18	41	42366	19.951	ug/l 99
36) 1,2-Dichloroethane	8.12	62	89628	20.581	ug/l 100
37) Trichloroethene	8.83	130	74580	20.058	ug/l 99
38) Methylcyclohexane	9.08	83	109292	19.985	ug/l 99
39) 1,2-Dichloropropane	9.12	63	74127	20.692	ug/l 97
40) Dibromomethane	9.21	93	49100	21.225	ug/l 93

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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	96555	20.365	ug/l	100
42) Vinyl Acetate	5.90	43	912934	102.204	ug/l	100
43) Ethyl Acetate	6.93	43	91323	20.194	ug/l #	100
44) Isopropyl Acetate	8.17	43	150900	20.151	ug/l #	88
45) 1,4-Dioxane	9.20	88	28199	400.270	ug/l	96
46) Methyl methacrylate	9.20	41	69649	19.935	ug/l	98
47) n-amyl Acetate	12.07	43	122883	19.839	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	105401	20.139	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	116758	20.382	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	69485	20.633	ug/l	98
51) Ethyl methacrylate	10.43	69	110930	20.436	ug/l	98
52) 1,3-Dichloropropane	10.71	76	112040	20.184	ug/l	100
53) Dibromochloromethane	10.90	129	79528	19.990	ug/l	98
54) 1,2-Dibromoethane	11.01	107	70322	20.179	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	197960	93.729	ug/l	100
56) Bromoform	12.13	173	63302	19.398	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	456791	102.671	ug/l	100
59) 2-Hexanone	10.75	43	315535	99.204	ug/l	100
61) Tetrachloroethene	10.63	164	73313	20.152	ug/l	97
62) Toluene	10.16	91	302359	20.921	ug/l	99
64) Chlorobenzene	11.43	112	181042	20.651	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	71755	20.314	ug/l	99
66) Ethyl Benzene	11.51	91	324945	20.578	ug/l	100
67) m/p-Xylenes	11.62	106	243204	40.544	ug/l	99
68) o-Xylene	11.95	106	120072	20.228	ug/l	96
69) Styrene	11.96	104	197246	20.141	ug/l	98
70) Isopropylbenzene	12.25	105	320111	20.611	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	98413	20.589	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	121211	29.465	ug/l	64
73) Bromobenzene	12.53	156	80297	19.543	ug/l	98
74) n-propylbenzene	12.59	91	338888	20.231	ug/l	99
75) 2-Chlorotoluene	12.67	91	208018	20.330	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	261377	20.360	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31276	19.140	ug/l	97
78) 4-Chlorotoluene	12.77	91	194231	20.029	ug/l	100
79) tert-butylbenzene	12.99	119	230469	20.420	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	256131	20.098	ug/l	99
81) sec-Butylbenzene	13.17	105	293366	20.458	ug/l	99
82) p-Isopropyltoluene	13.29	119	263287	19.950	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	125198	19.438	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	115978	18.907	ug/l	99
85) n-Butylbenzene	13.61	91	199240	19.406	ug/l	99
86) Hexachloroethane	13.87	117	52411	20.191	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	126081	19.440	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17684	19.521	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	60560	17.298	ug/l	99
90) Hexachlorobutadiene	15.01	225	49239	18.850	ug/l	99
91) Naphthalene	15.13	128	177375	18.543	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	66740	18.240	ug/l	99

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

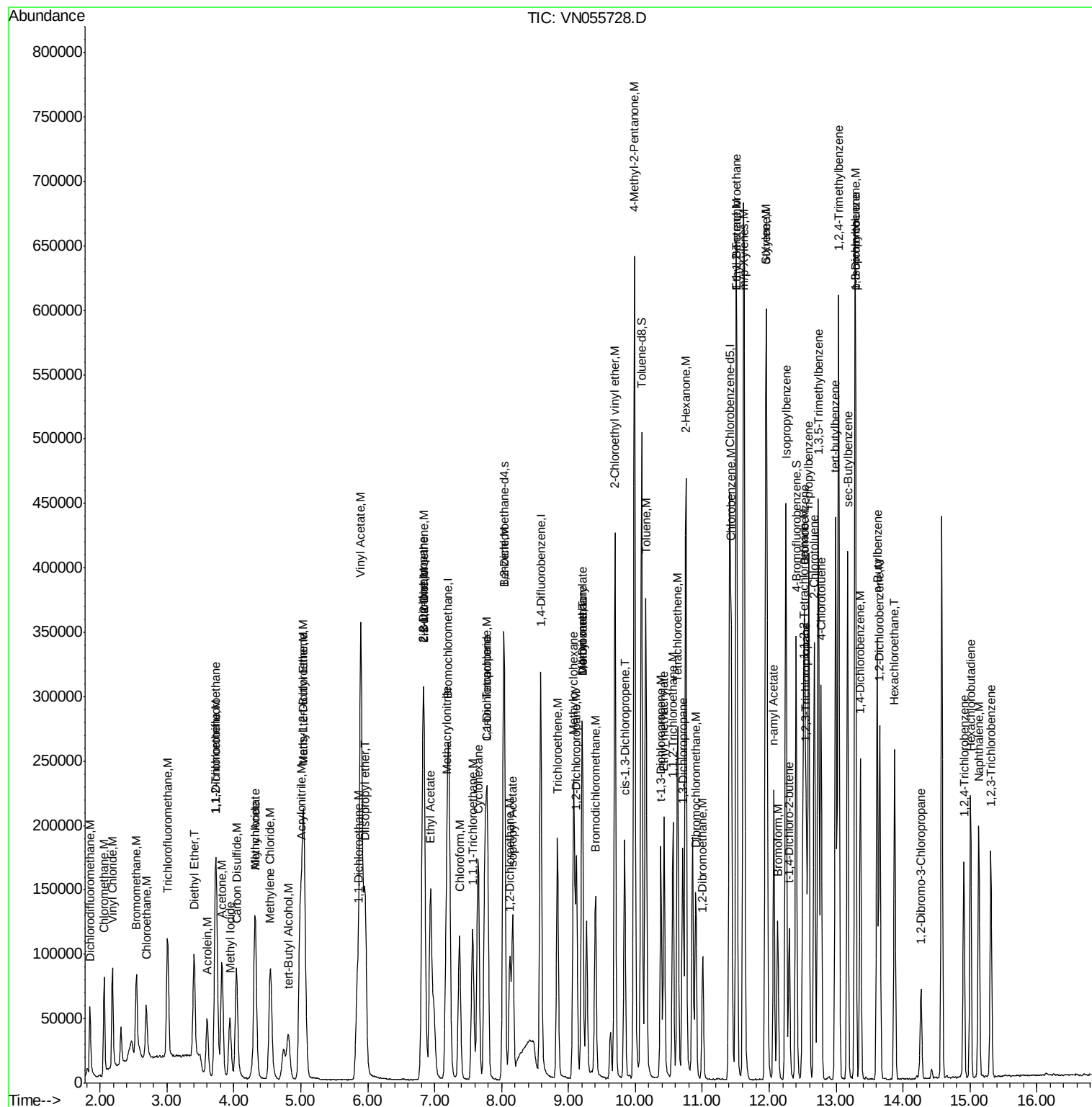
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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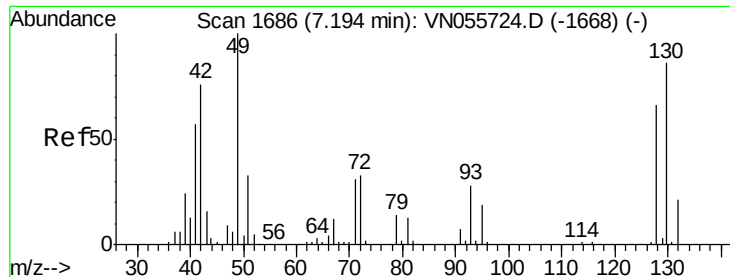
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052219\
Data File : VN055728.D
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Instrument :
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ClientSampleId :
ICVVN052219

Quant Time: May 23 06:03:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

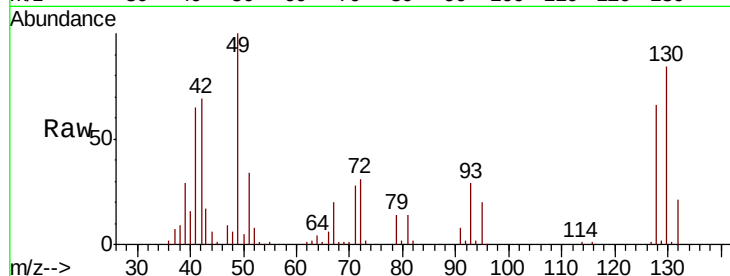
Tot Ion:128 Resp: 57129

Ion Ratio Lower Upper

128 100

49 152.6 0.0 383.2

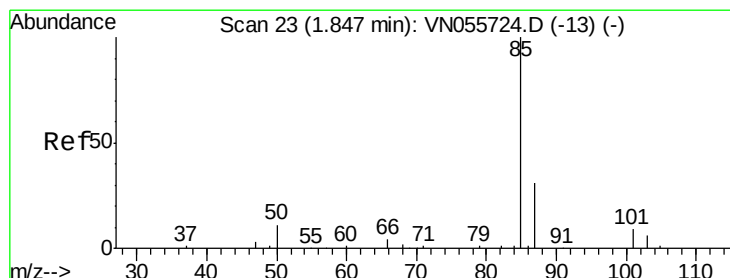
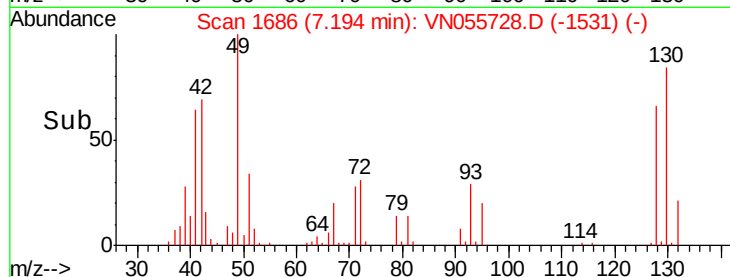
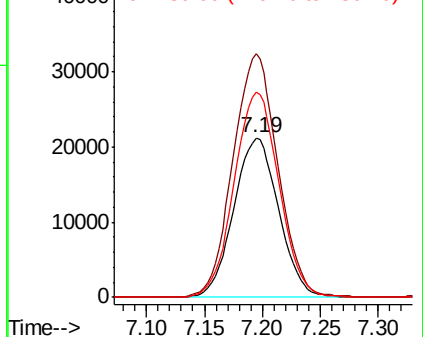
130 128.7 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.194 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055728.D

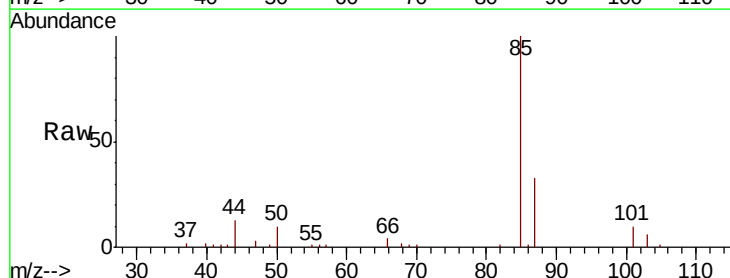
Acq: 22 May 2019 19:27

Tgt Ion: 85 Resp: 48078

Ion Ratio Lower Upper

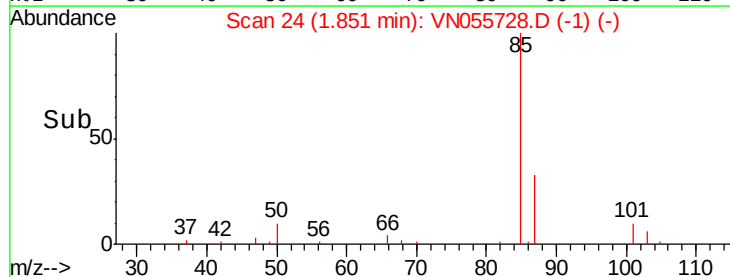
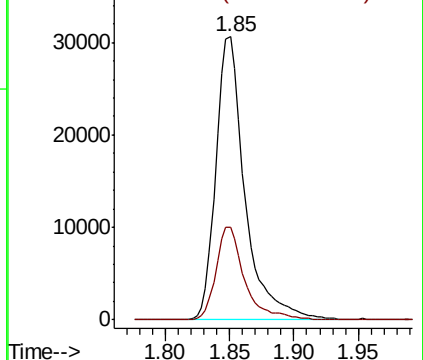
85 100

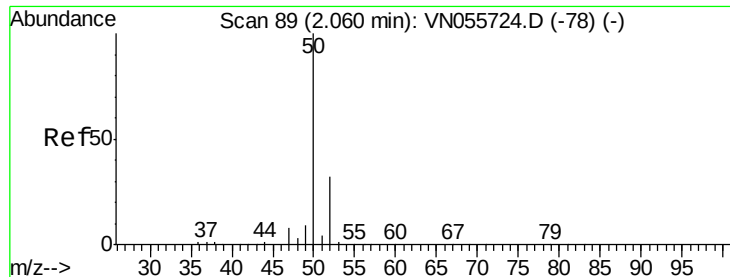
87 32.7 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.962 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

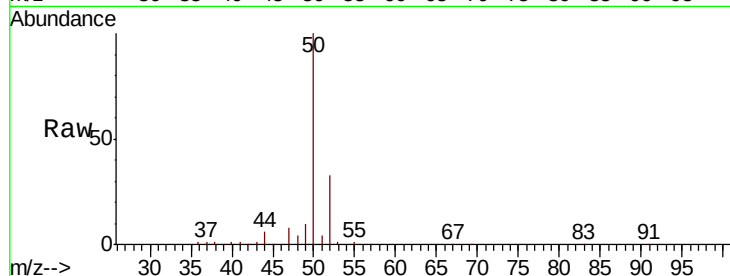
ICV052219

Tot Ion: 50 Resp: 71121

Ion Ratio Lower Upper

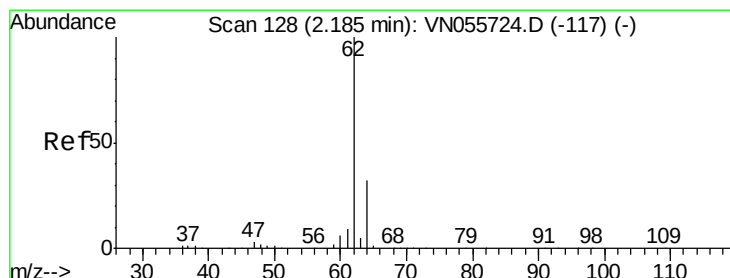
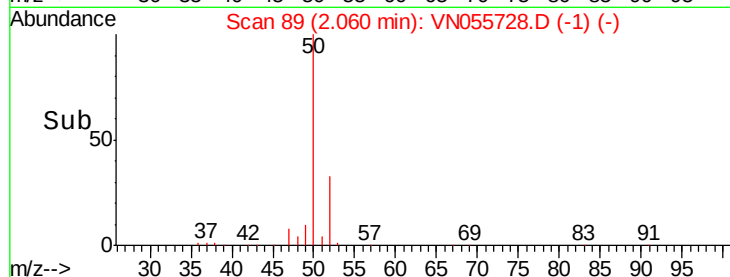
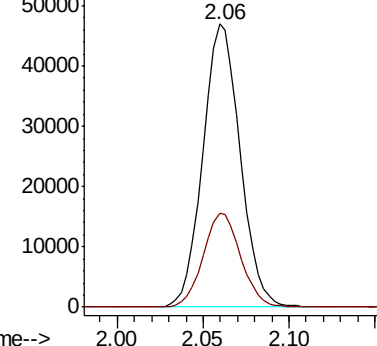
50 100

52 33.3 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: 20.181 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055728.D

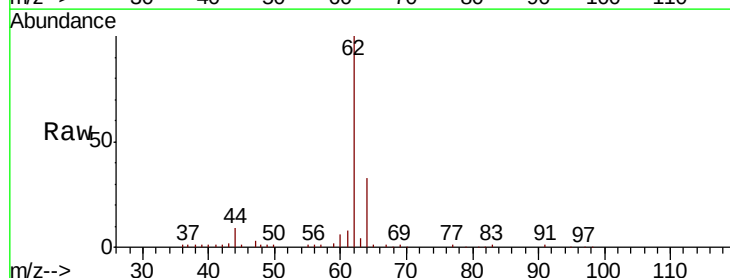
Acq: 22 May 2019 19:27

Tgt Ion: 62 Resp: 73384

Ion Ratio Lower Upper

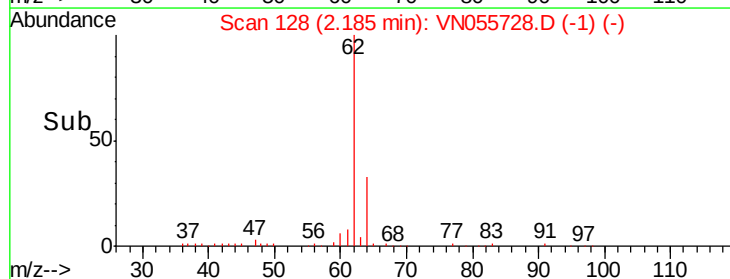
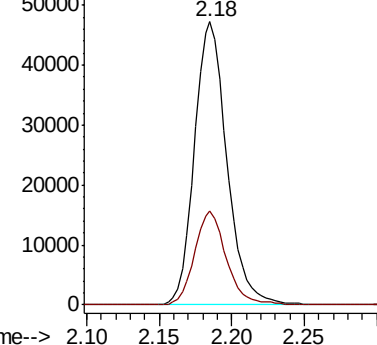
62 100

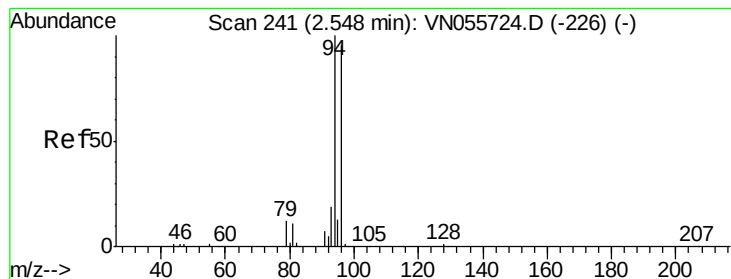
64 33.0 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 23.689 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

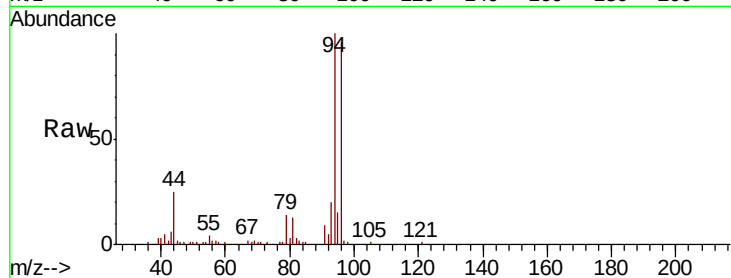
ICVVN052219

Tot Ion: 94 Resp: 50434

Ion Ratio Lower Upper

94 100

96 95.3 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

10000

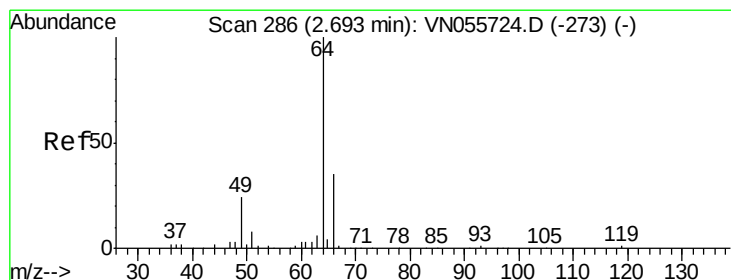
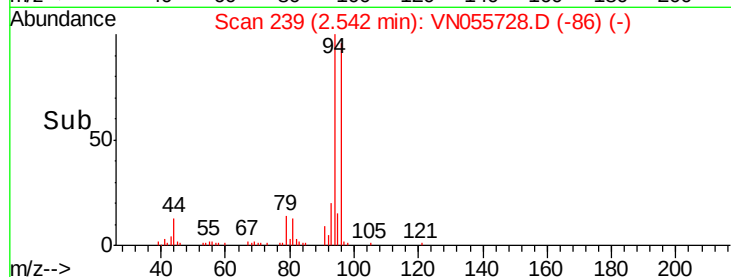
5000

0

2.50

2.60

Time-->



#6

Chloroethane

Concen: 21.113 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055728.D

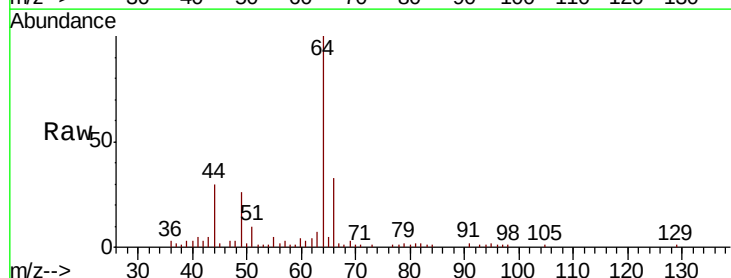
Acq: 22 May 2019 19:27

Tgt Ion: 64 Resp: 44849

Ion Ratio Lower Upper

64 100

66 32.6 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

20000

15000

10000

5000

0

2.60

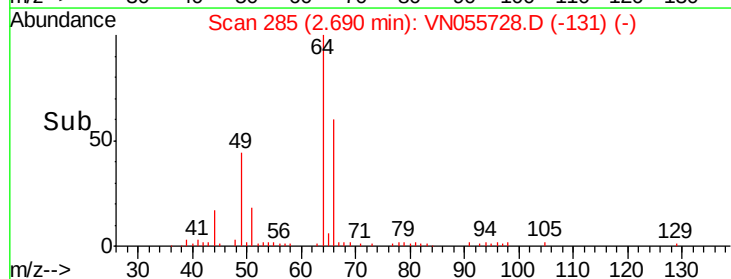
2.65

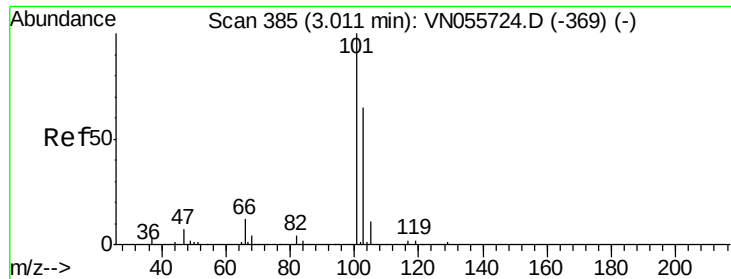
2.70

2.75

2.80

Time-->



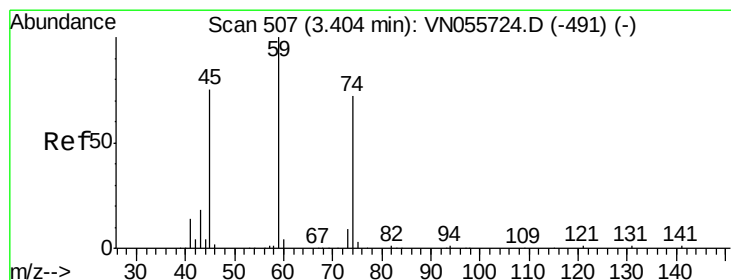
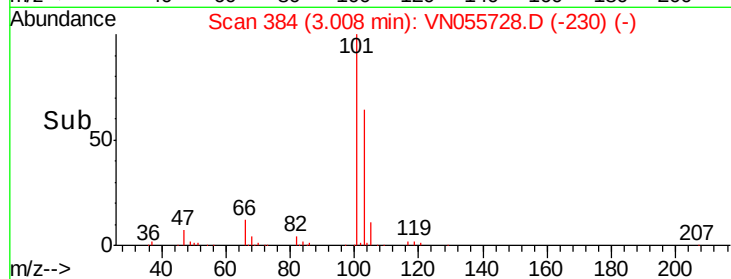
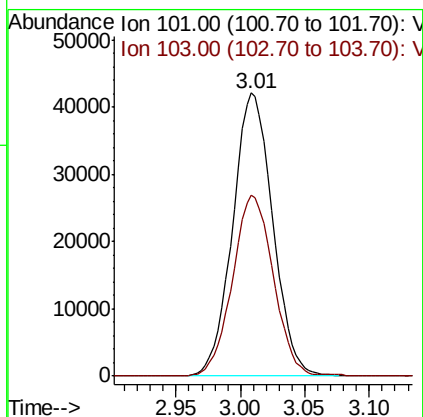
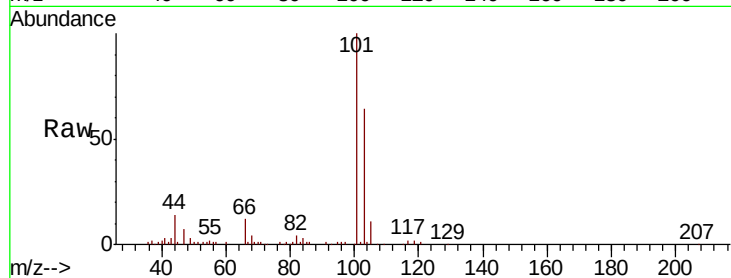


#7

Trichlorofluoromethane
Concen: 19.968 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

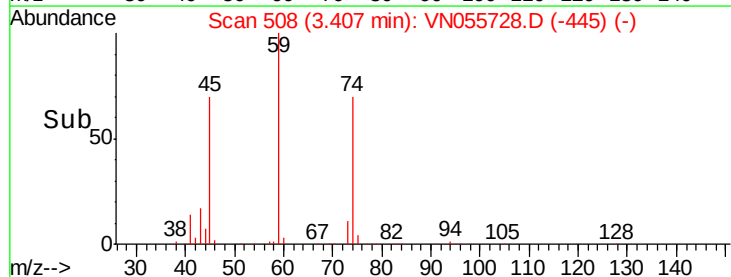
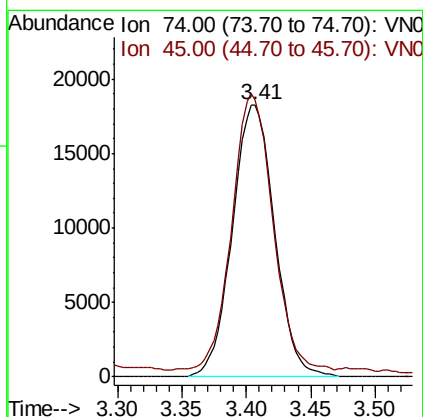
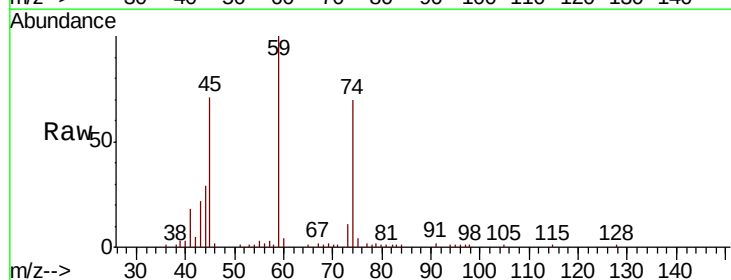
Tot Ion:101 Resp: 91094
Ion Ratio Lower Upper
101 100
103 63.5 52.6 78.8

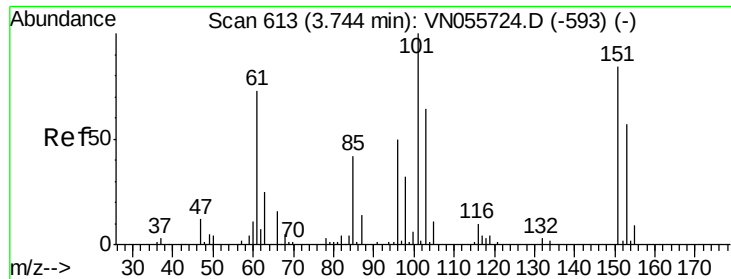


#8

Diethyl Ether
Concen: 20.794 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 74 Resp: 41703
Ion Ratio Lower Upper
74 100
45 96.3 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.622 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

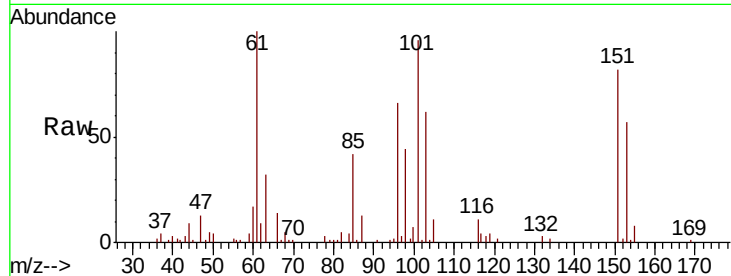
Tot Ion:101 Resp: 56562

Ion Ratio Lower Upper

101 100

85 43.9 0.0 86.6

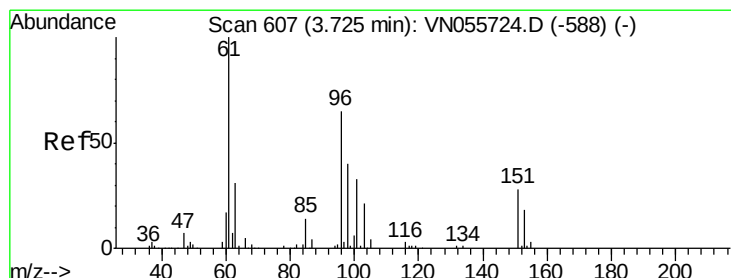
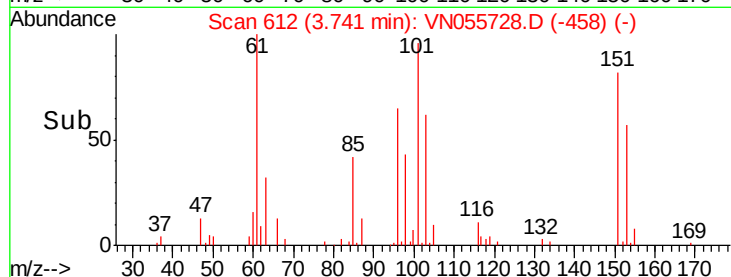
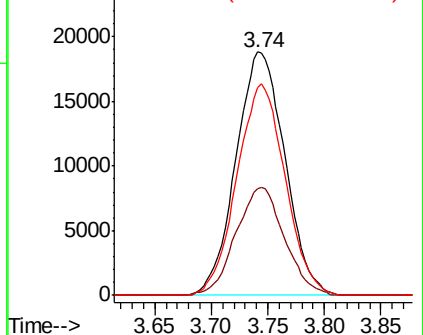
151 85.7 0.0 172.2



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: 20.296 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

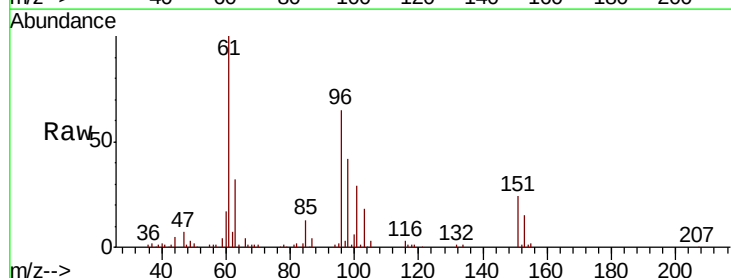
Tgt Ion: 96 Resp: 61200

Ion Ratio Lower Upper

96 100

61 154.3 123.7 185.5

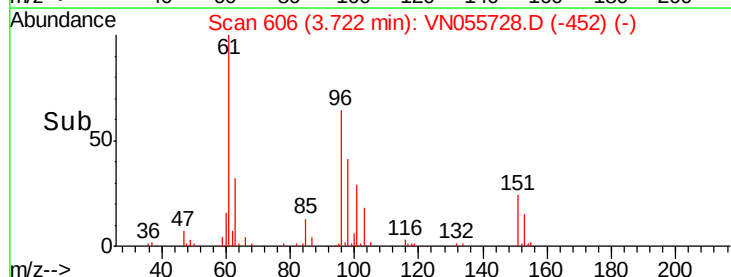
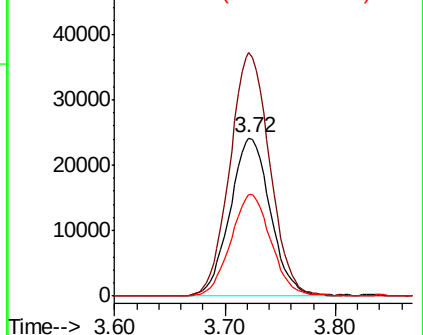
98 64.2 50.0 75.0

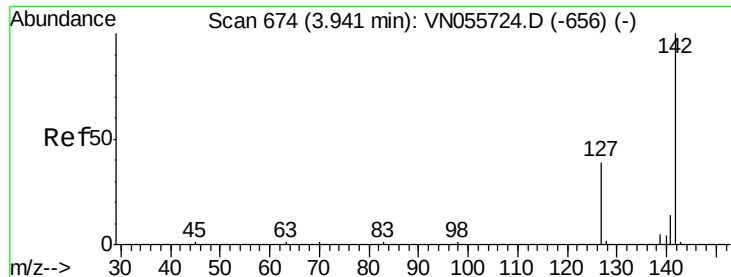


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

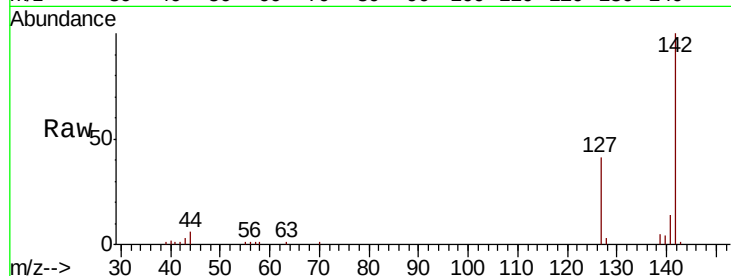




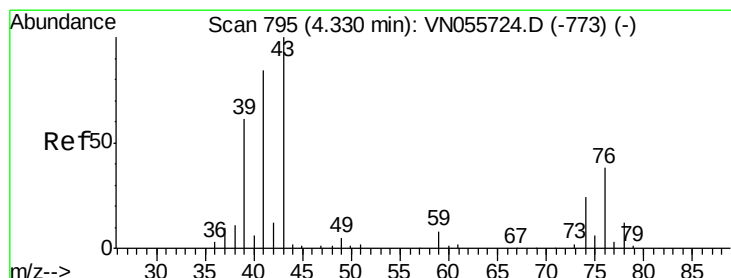
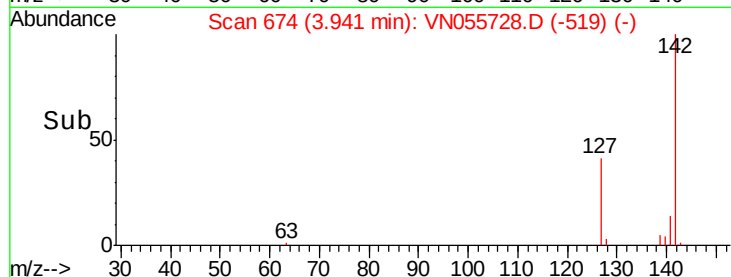
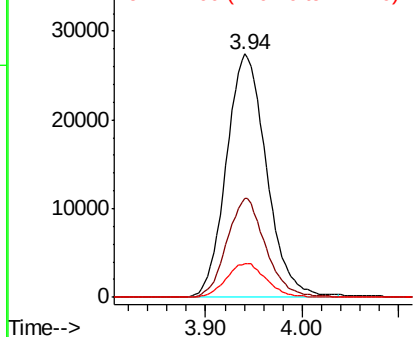
#11
Methyl Iodide
Concen: 18.384 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion:142 Resp: 79082
Ion Ratio Lower Upper
142 100
127 40.8 19.6 58.7
141 13.8 6.9 20.6

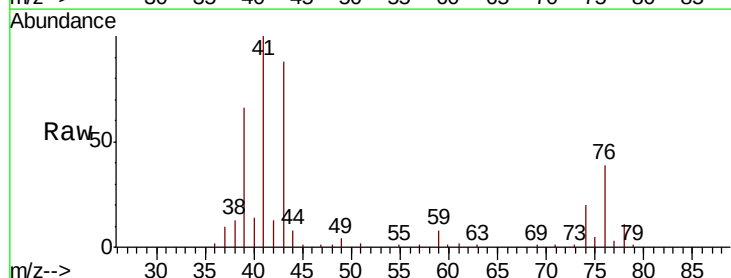


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

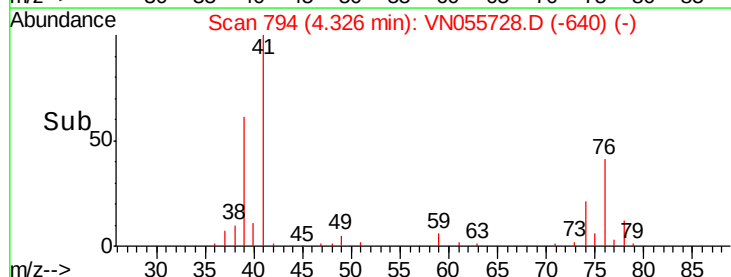
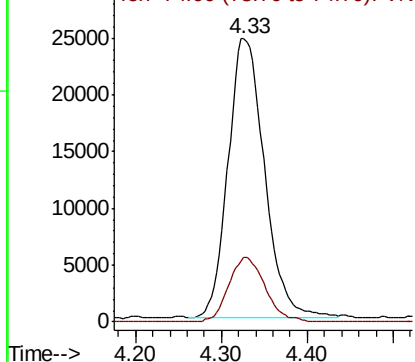


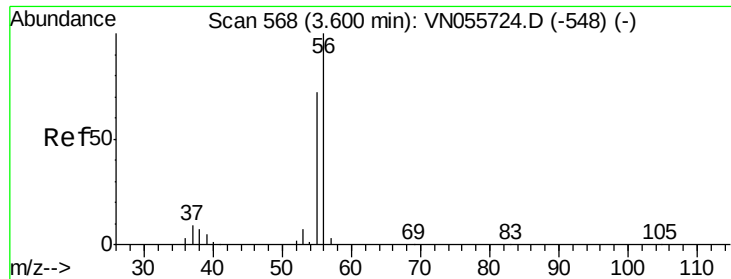
#12
Methyl Acetate
Concen: 19.621 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 43 Resp: 72361
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8



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

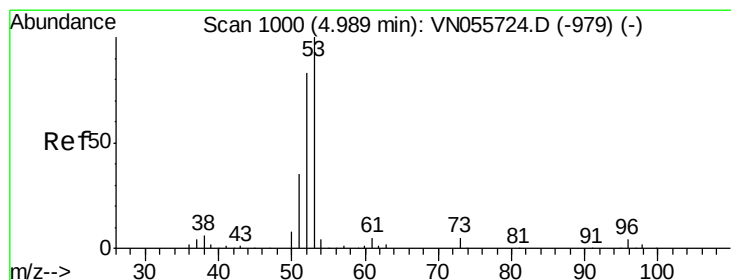
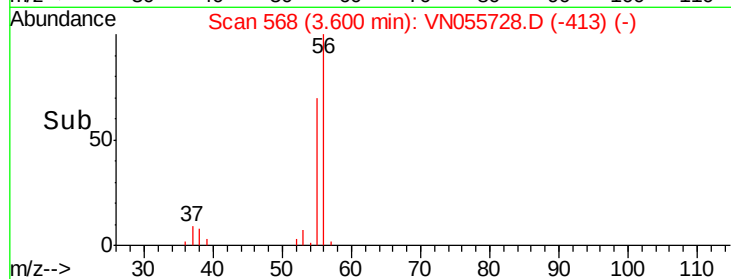
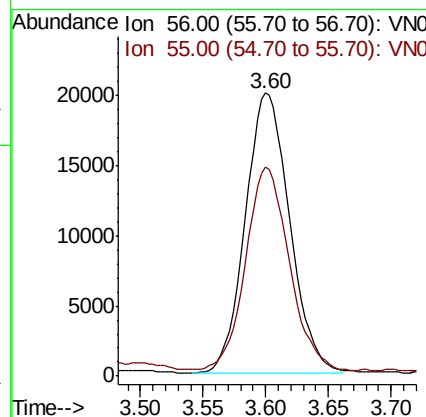
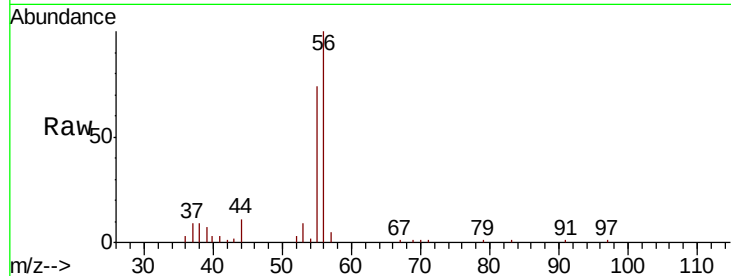




#13
Acrolein
Concen: 96.182 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

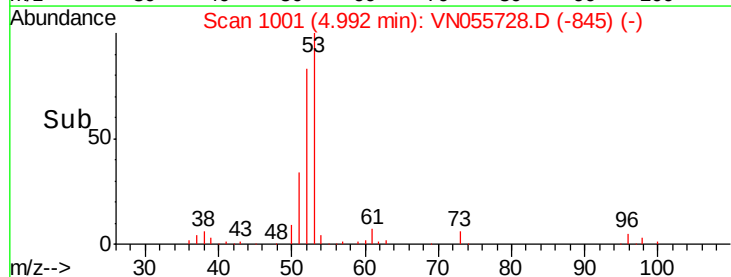
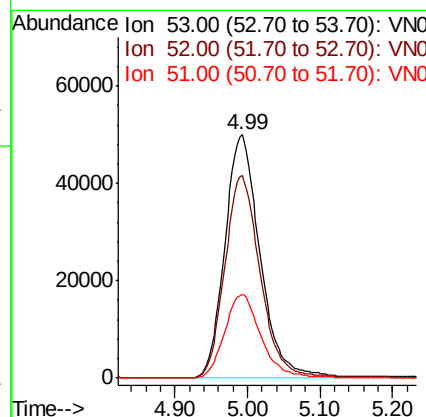
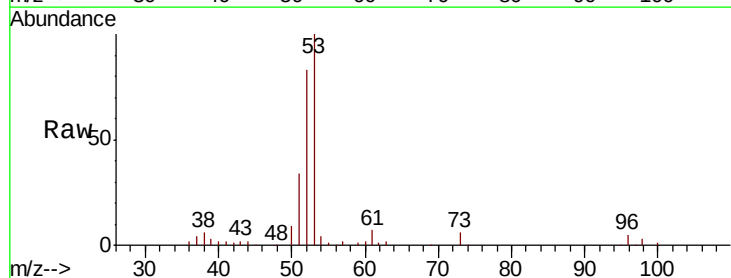
Instrument :
MSVOA_N
ClientSampleId :
ICV052219

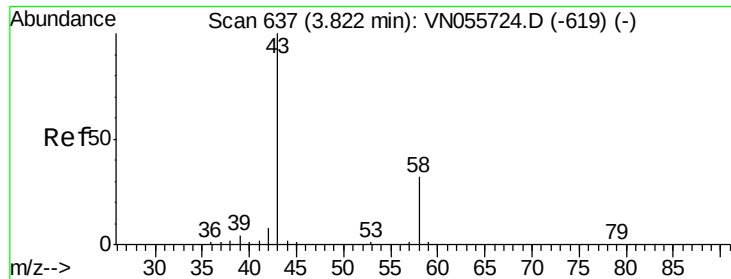
Tot Ion: 56 Resp: 49287
Ion Ratio Lower Upper
56 100
55 71.5 57.0 85.6



#14
Acrylonitrile
Concen: 100.464 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 53 Resp: 168919
Ion Ratio Lower Upper
53 100
52 83.4 41.1 123.4
51 35.1 17.5 52.6





#15

Acetone

Concen: 94.620 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

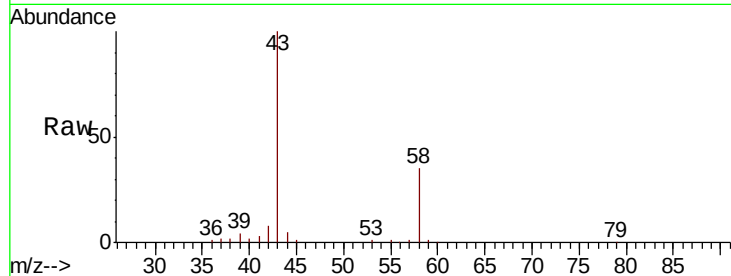
ICVVN052219

Tot Ion: 58 Resp: 49409

Ion Ratio Lower Upper

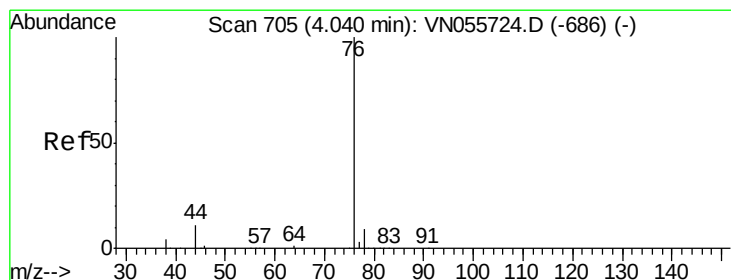
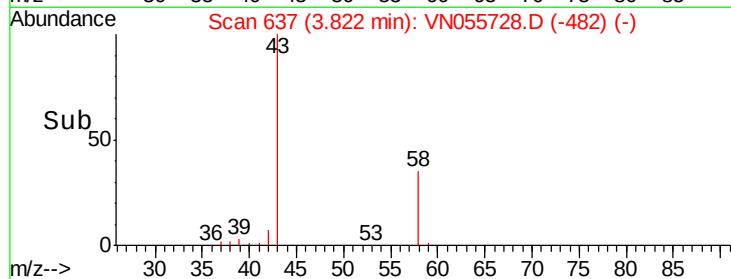
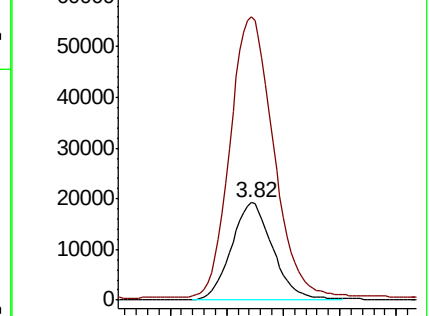
58 100

43 285.4 248.8 373.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.644 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN055728.D

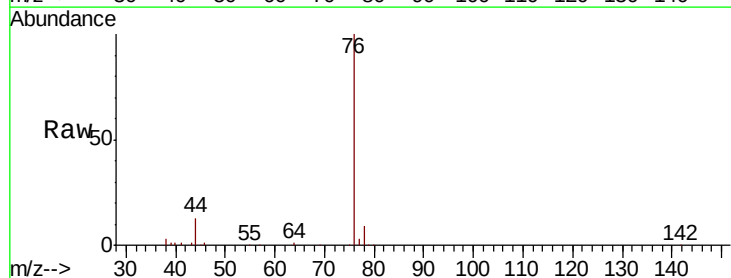
Acq: 22 May 2019 19:27

Tgt Ion: 76 Resp: 178479

Ion Ratio Lower Upper

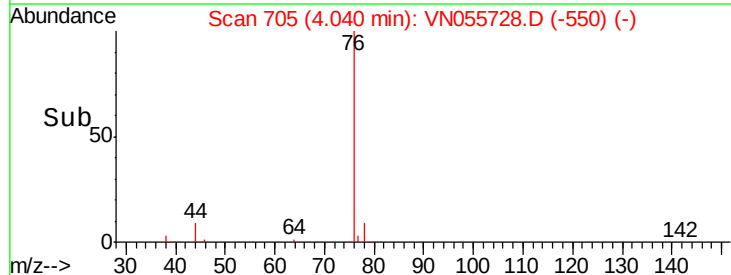
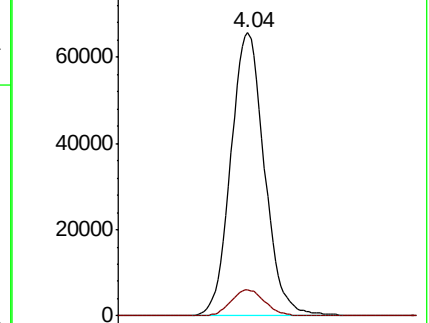
76 100

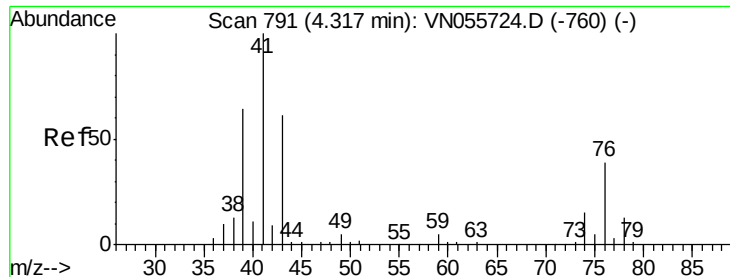
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 20.212 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

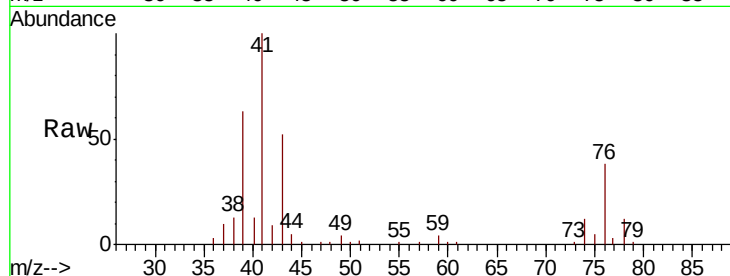
Tot Ion: 41 Resp: 109767

Ion Ratio Lower Upper

41 100

39 63.0 31.8 95.3

76 38.2 19.3 57.9

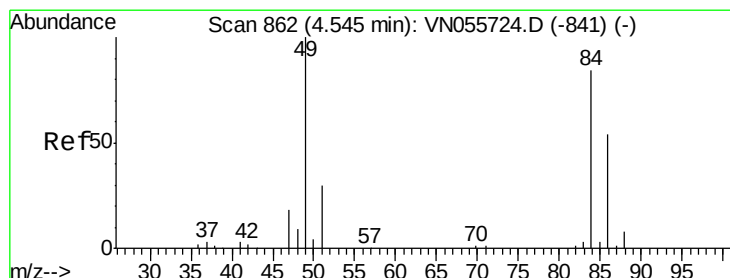
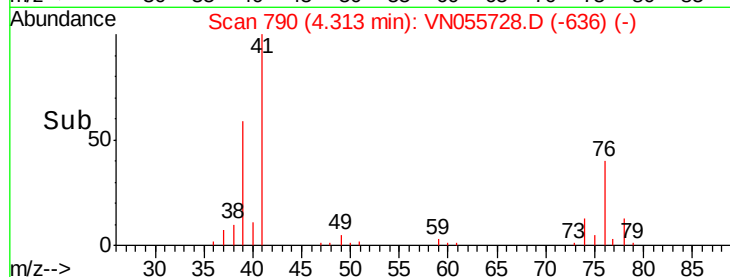
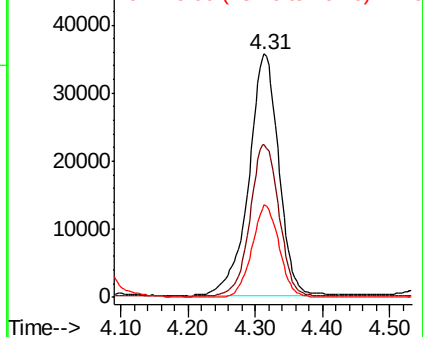


Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 76.00 (75.70 to 76.70): VNC



#18

Methylene Chloride

Concen: 20.433 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion: 84 Resp: 70568

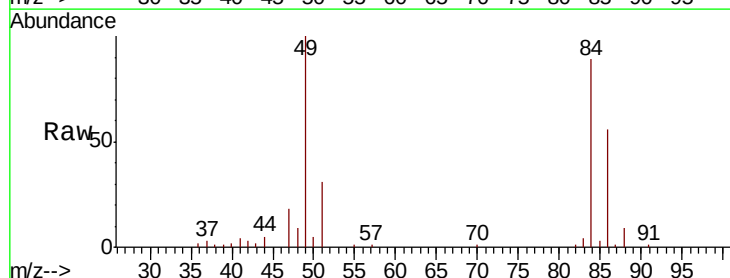
Ion Ratio Lower Upper

84 100

49 112.6 94.7 142.1

51 34.8 28.6 43.0

86 62.8 51.0 76.6



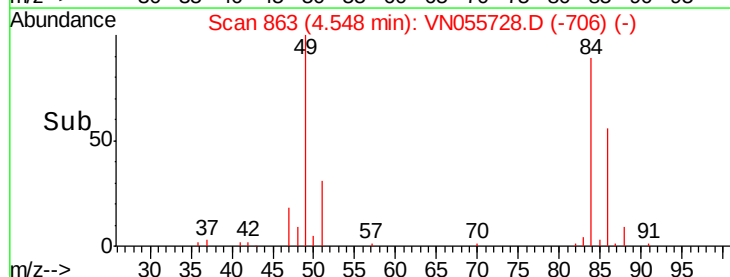
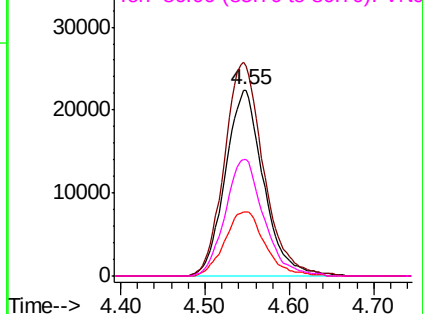
Abundance

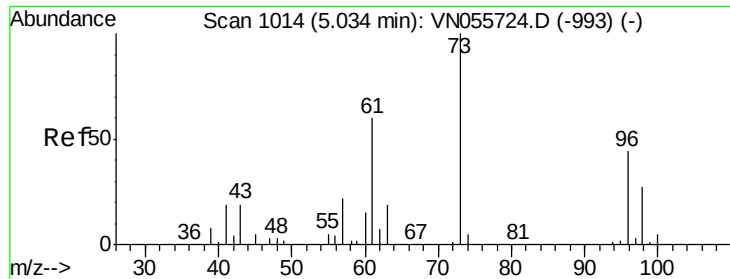
Ion 84.00 (83.70 to 84.70): VNC

Ion 49.00 (48.70 to 49.70): VNC

Ion 51.00 (50.70 to 51.70): VNC

Ion 86.00 (85.70 to 86.70): VNC

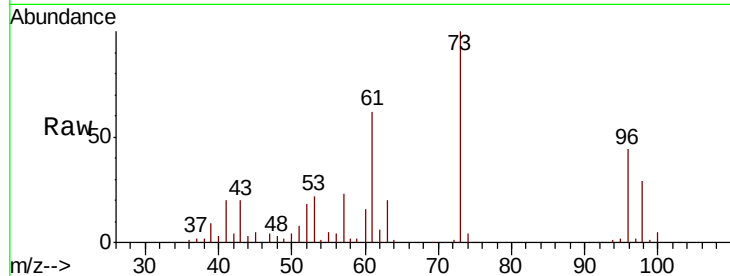




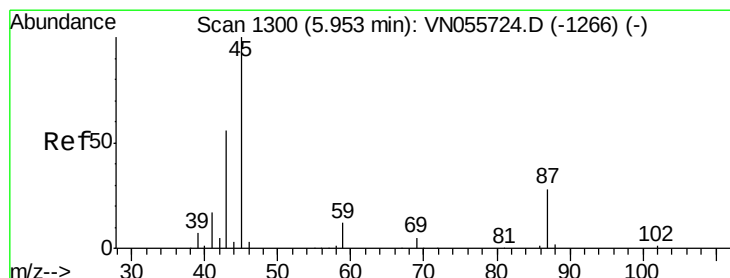
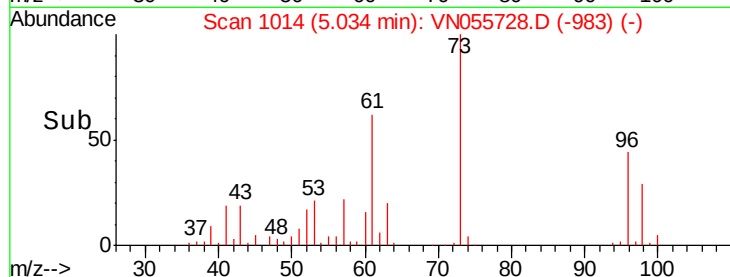
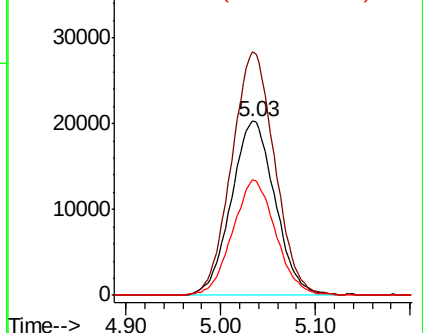
#19
trans-1,2-Dichloroethene
Concen: 20.137 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion: 96 Resp: 65322
Ion Ratio Lower Upper
96 100
61 139.6 108.5 162.7
98 66.2 49.4 74.2

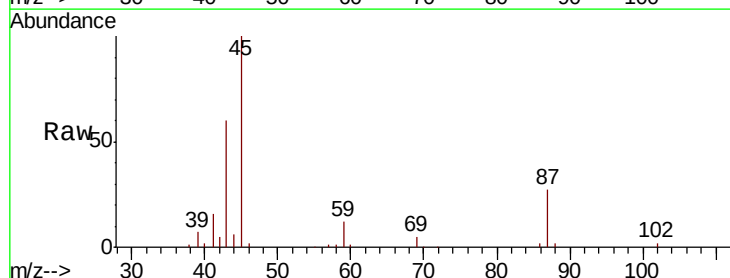


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

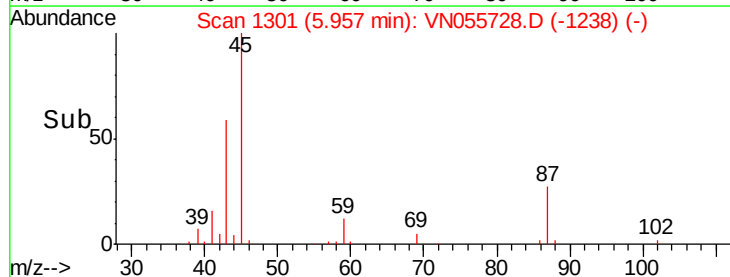
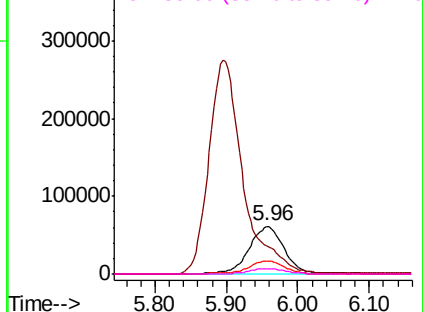


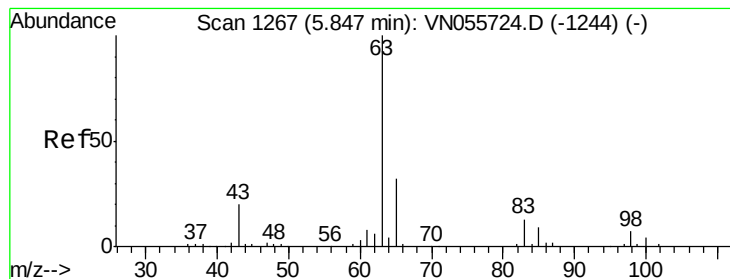
#20
Diisopropyl ether
Concen: 19.956 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 45 Resp: 210244
Ion Ratio Lower Upper
45 100
43 57.4 48.6 73.0
87 26.4 22.6 34.0
59 11.2 9.4 14.2



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





#21

1,1-Dichloroethane

Concen: 20.277 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

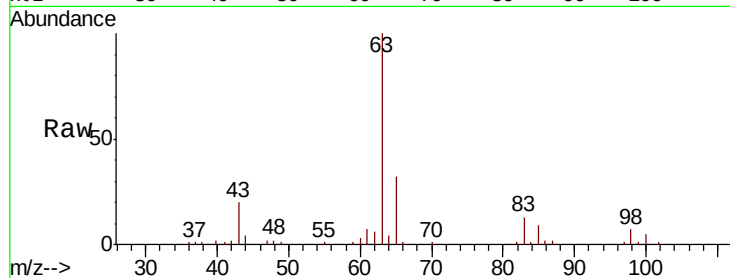
Tot Ion: 63 Resp: 120733

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

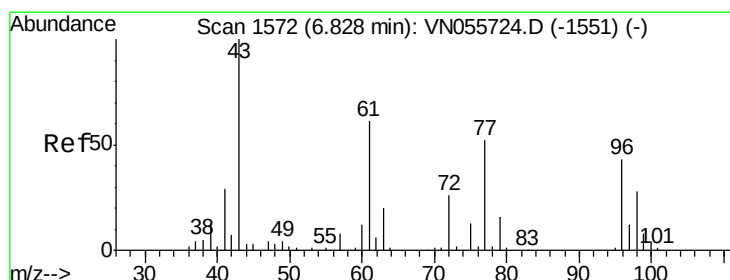
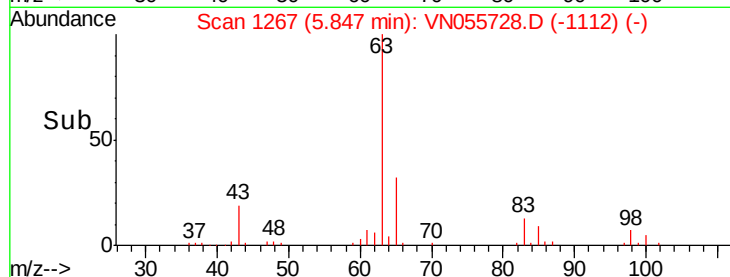
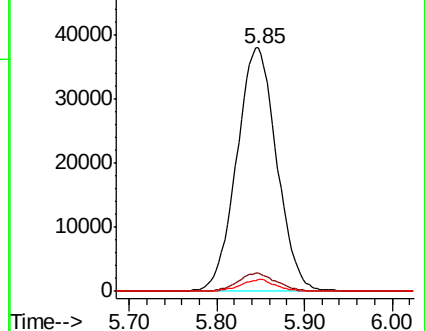
100 4.8 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VN055728.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN055728.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN055728.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.201 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

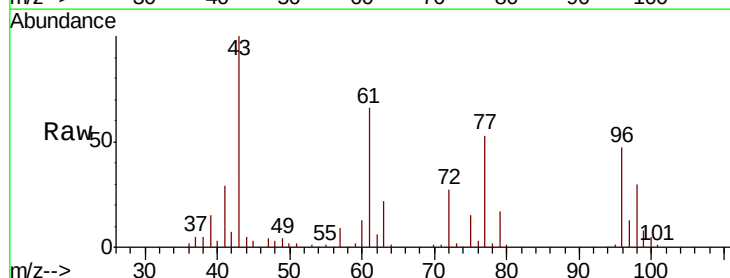
Tgt Ion: 96 Resp: 76424

Ion Ratio Lower Upper

96 100

61 140.3 115.7 173.5

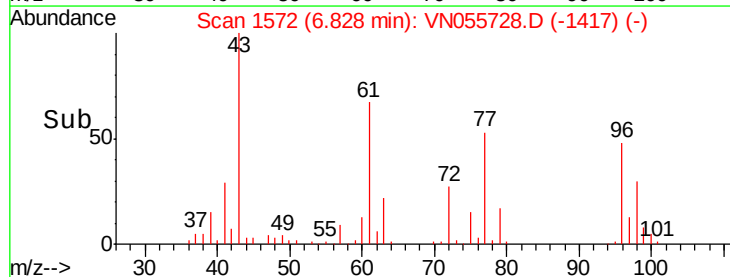
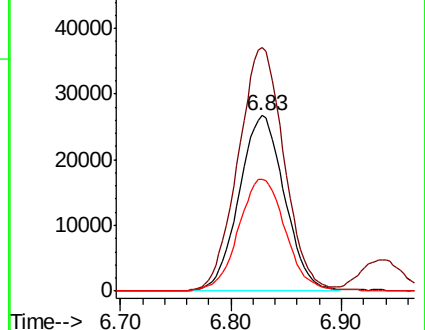
98 65.6 51.5 77.3

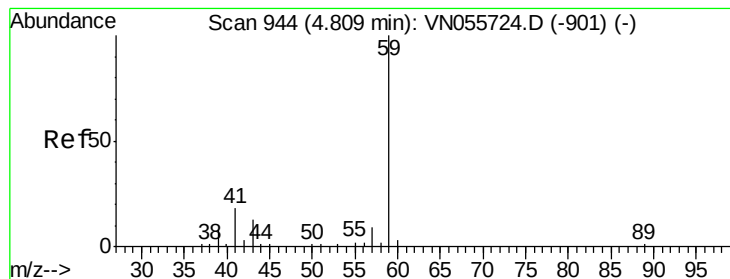


Abundance Ion 96.00 (95.70 to 96.70): VN055728.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN055728.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN055728.D (-1417) (-)



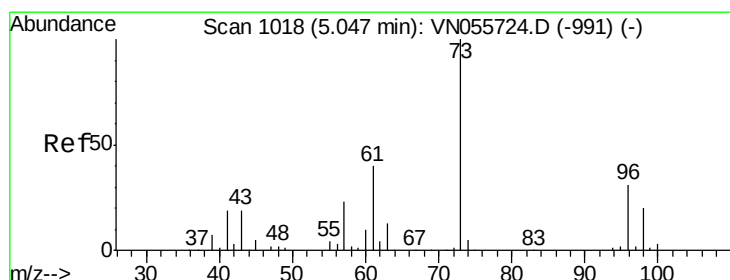
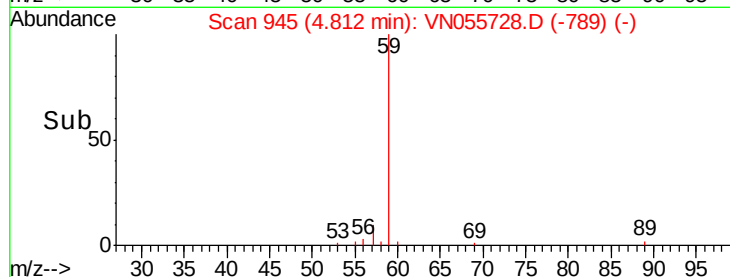
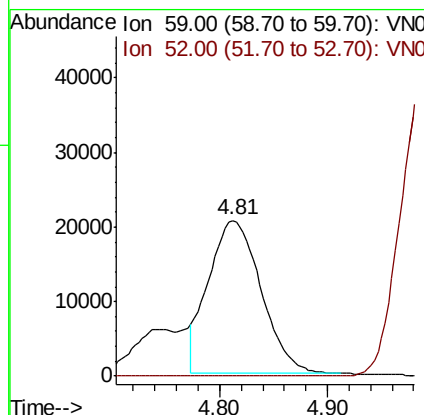
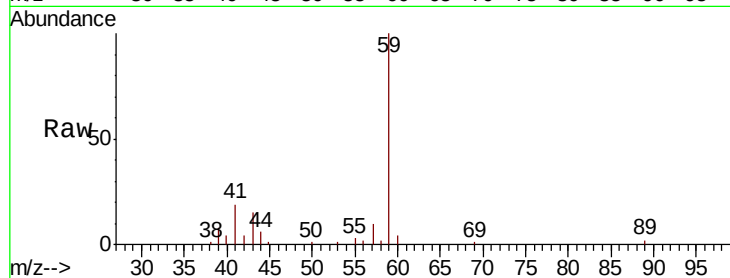


#23

tert-Butyl Alcohol
 Concen: 94.358 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

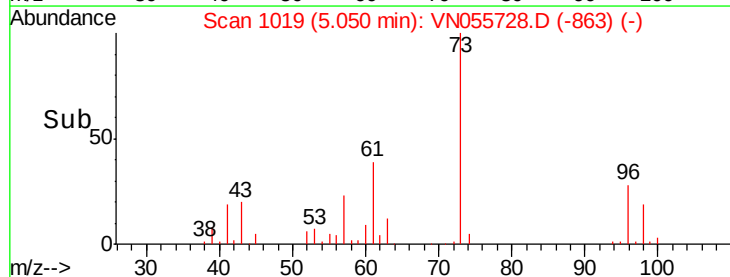
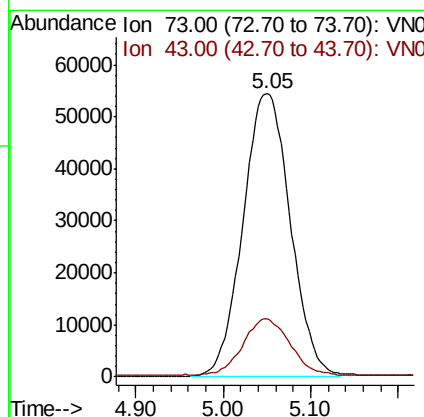
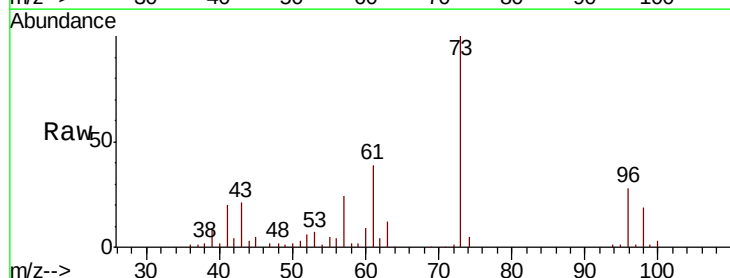
Tot Ion: 59 Resp: 69677
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

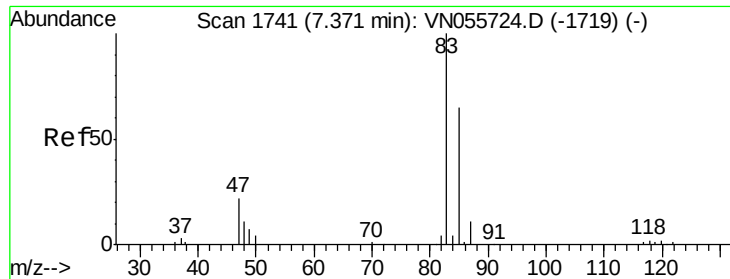


#24

Methyl tert-Butyl Ether
 Concen: 20.044 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion: 73 Resp: 205087
 Ion Ratio Lower Upper
 73 100
 43 19.6 15.7 23.5

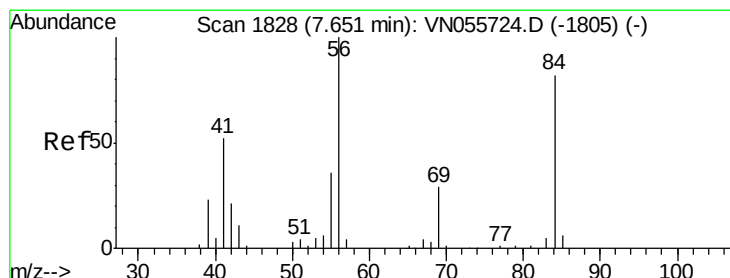
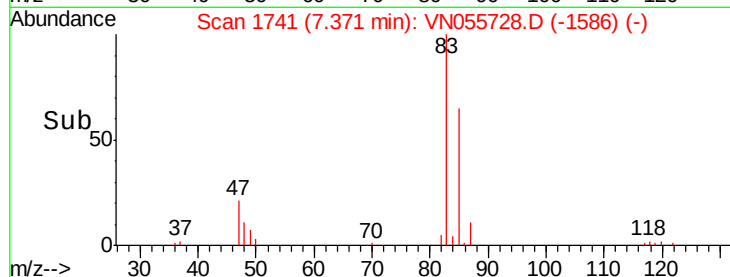
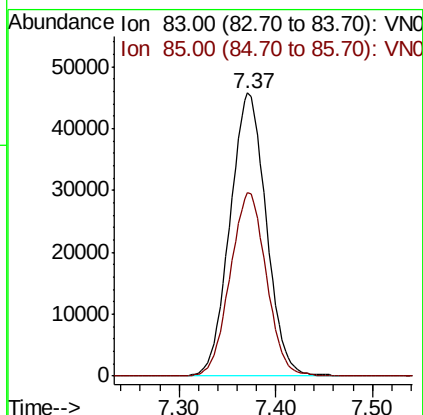
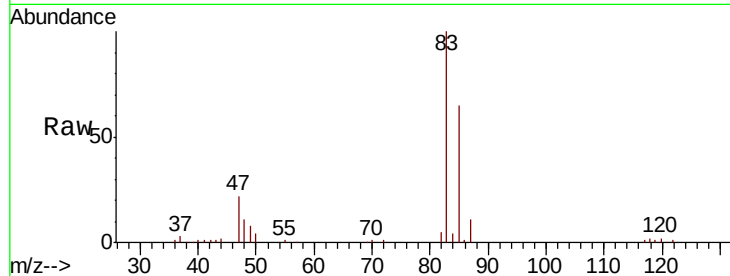




#25
Chloroform
Concen: 20.244 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

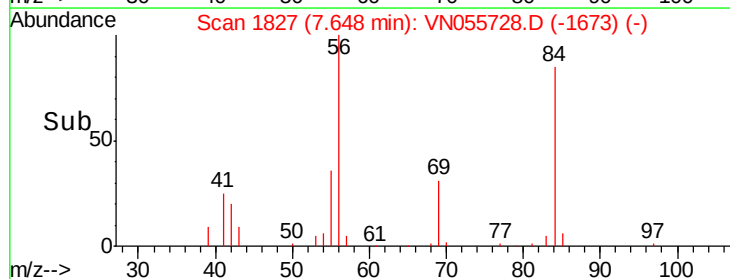
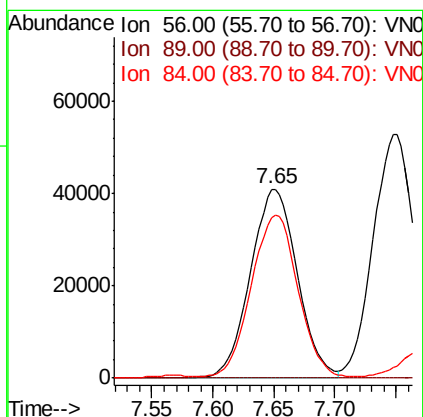
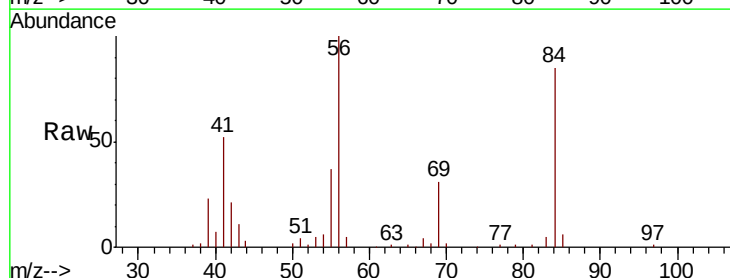
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

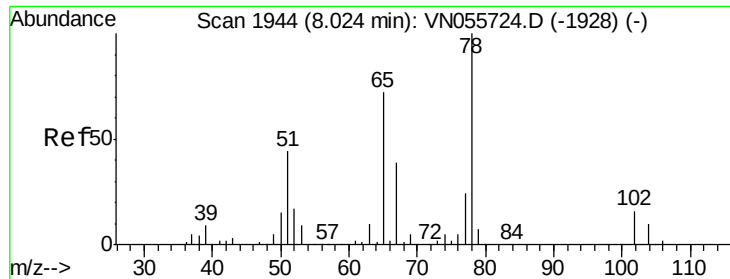
Tot Ion: 83 Resp: 119052
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5



#26
Cyclohexane
Concen: 19.889 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 56 Resp: 109254
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.7 67.2 100.8

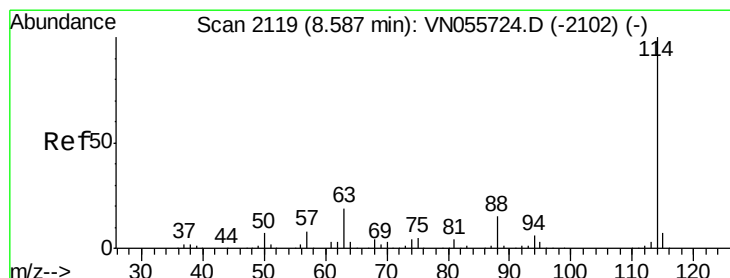
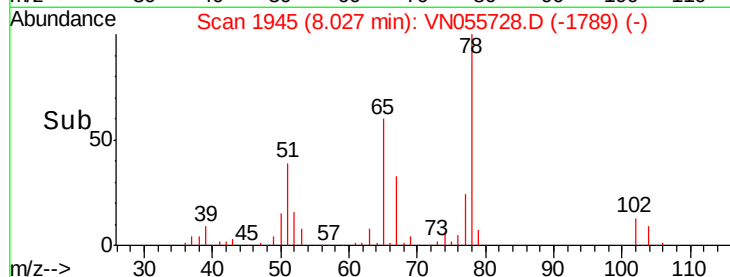
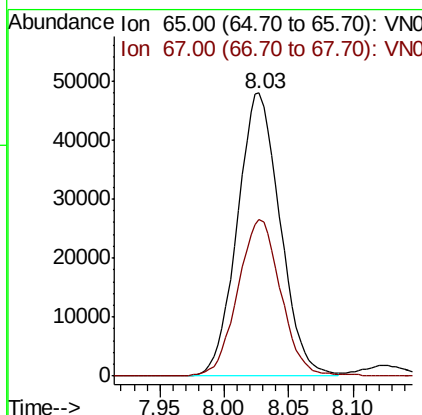
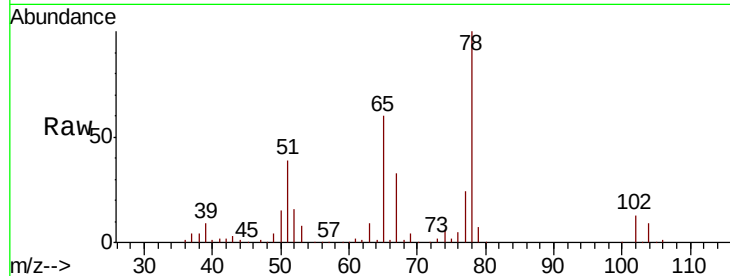




#27
 1,2-Dichloroethane-d4
 Concen: 29.680 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

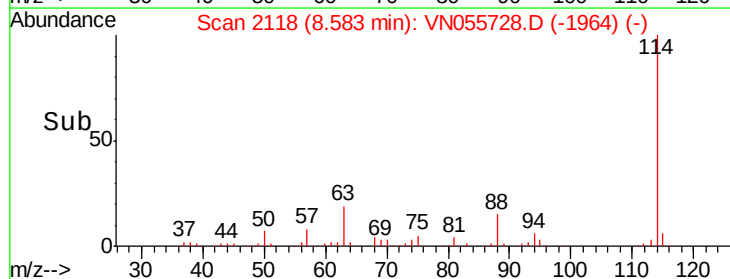
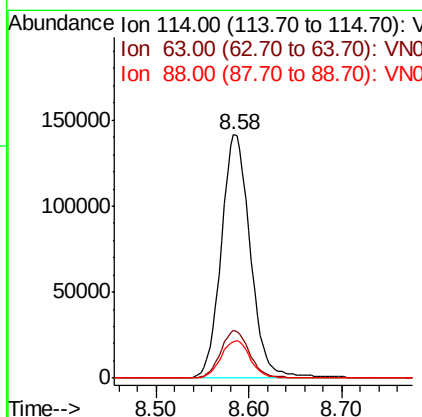
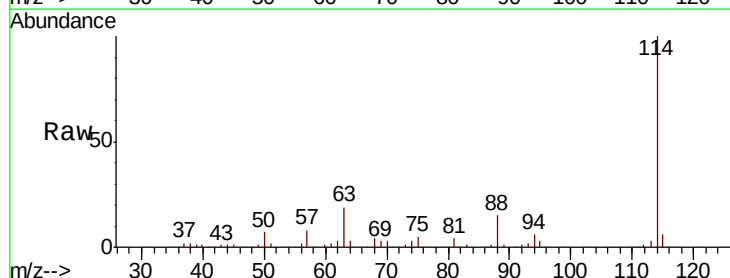
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

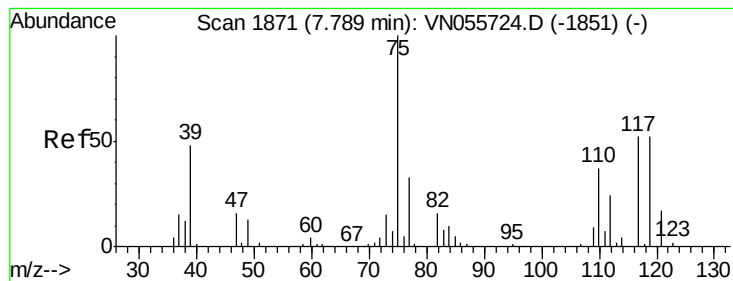
Tot Ion: 65 Resp: 110829
 Ion Ratio Lower Upper
 65 100
 67 55.4 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion: 114 Resp: 308336
 Ion Ratio Lower Upper
 114 100
 63 19.5 15.6 23.4
 88 15.4 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.865 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

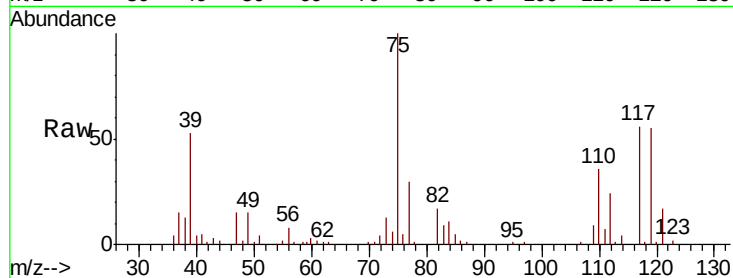
Tot Ion: 75 Resp: 90065

Ion Ratio Lower Upper

75 100

110 36.7 0.0 74.8

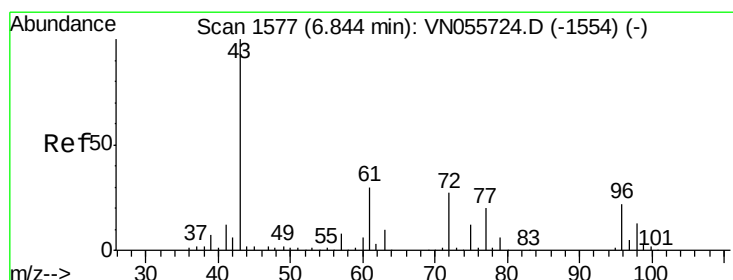
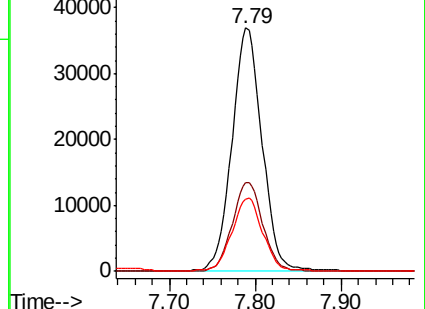
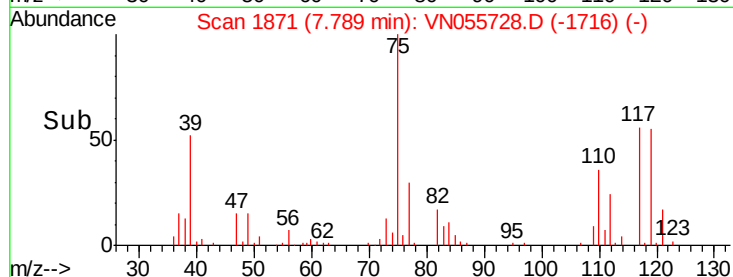
77 30.8 0.0 65.2



Abundance Ion 75.00 (74.70 to 75.70): VN055728.D (-1716) (-)

Ion 110.00 (109.70 to 110.70): VN055728.D (-1716) (-)

Ion 77.00 (76.70 to 77.70): VN055728.D (-1716) (-)



#30

2-Butanone

Concen: 99.853 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

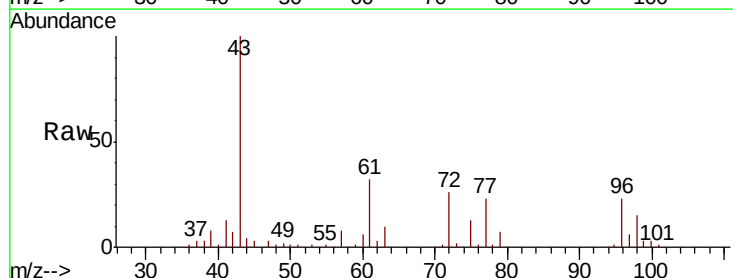
Tgt Ion: 43 Resp: 229729

Ion Ratio Lower Upper

43 100

57 8.8 6.6 10.0

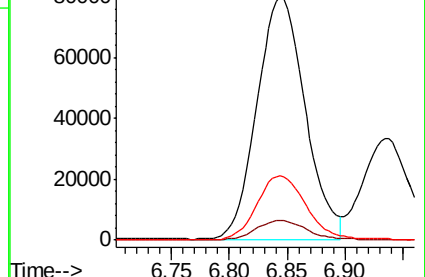
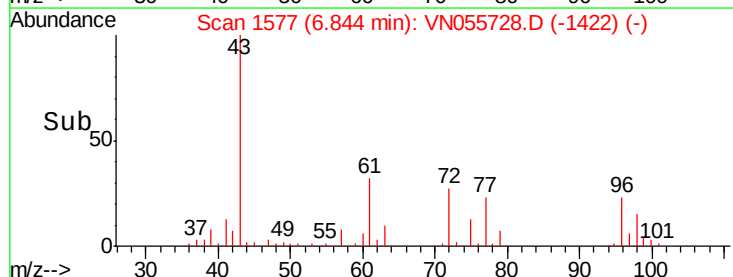
72 27.4 21.7 32.5

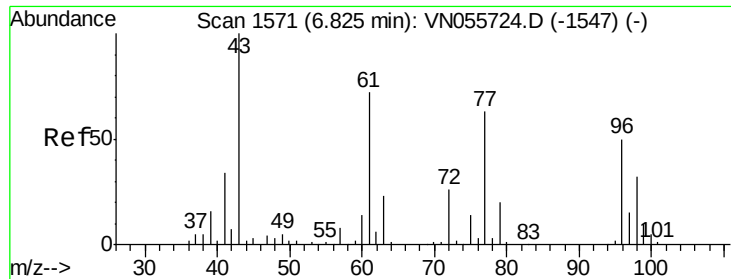


Abundance Ion 43.00 (42.70 to 43.70): VN055728.D (-1422) (-)

Ion 57.00 (56.70 to 57.70): VN055728.D (-1422) (-)

Ion 72.00 (71.70 to 72.70): VN055728.D (-1422) (-)

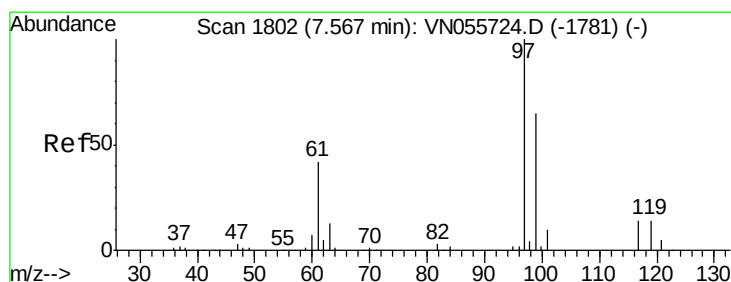
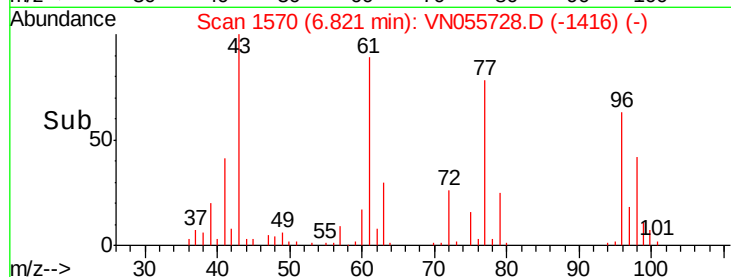
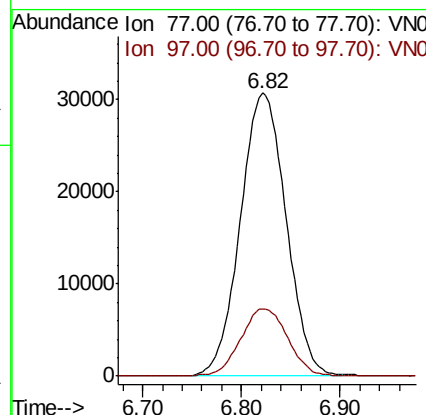
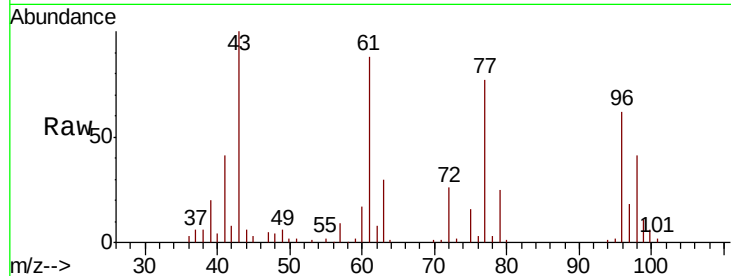




#31
 2,2-Dichloropropane
 Concen: 19.657 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

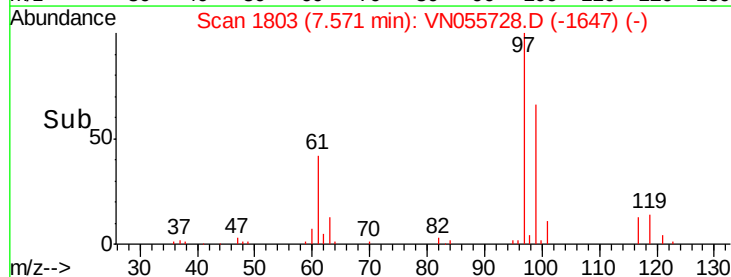
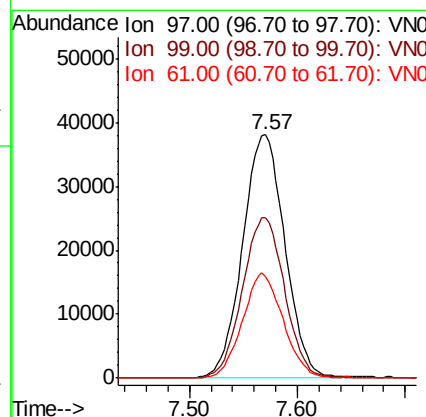
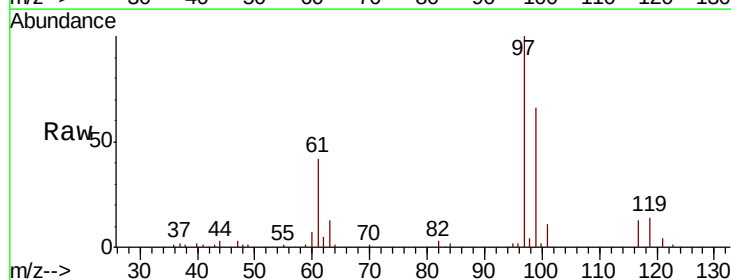
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

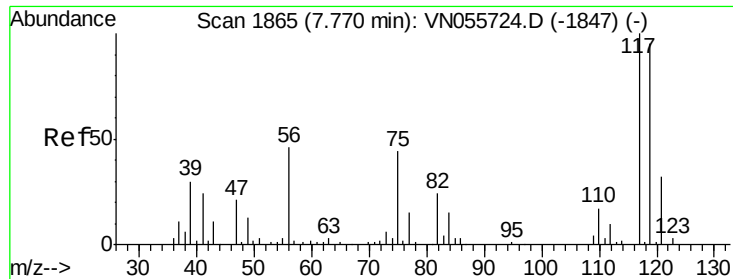
Tot Ion: 77 Resp: 98738
 Ion Ratio Lower Upper
 77 100
 97 24.3 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 20.329 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion: 97 Resp: 104004
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.7 77.5
 61 41.3 33.1 49.7





#33

Carbon Tetrachloride

Concen: 20.443 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

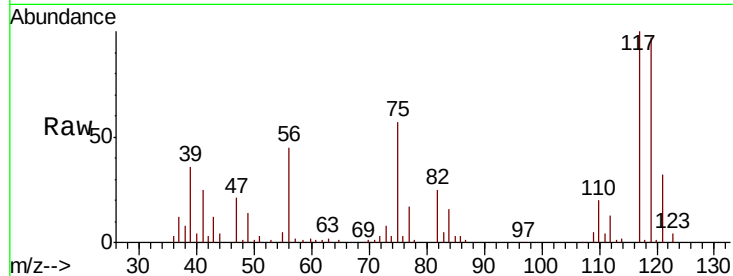
Tot Ion:117 Resp: 93562

Ion Ratio Lower Upper

117 100

119 97.4 75.8 113.8

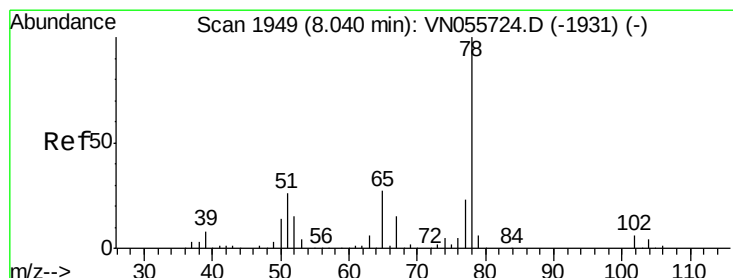
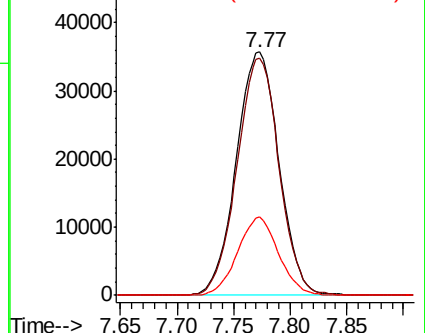
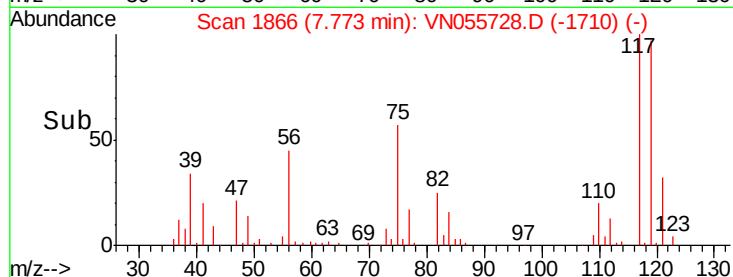
121 32.2 25.4 38.0



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: 20.549 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

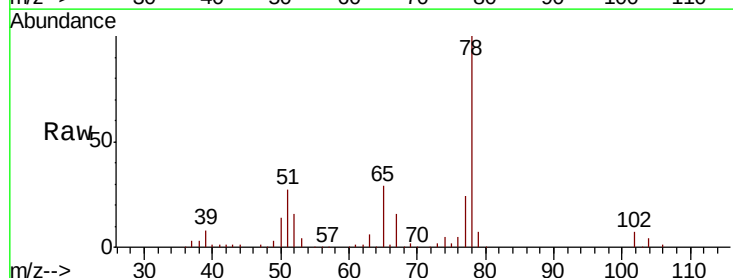
Tgt Ion: 78 Resp: 273839

Ion Ratio Lower Upper

78 100

77 24.4 18.8 28.2

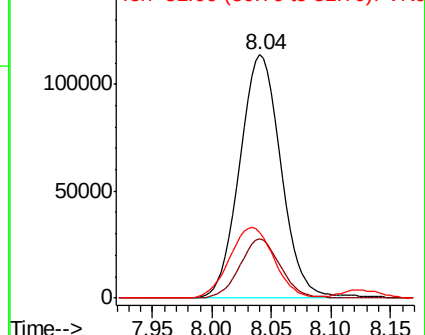
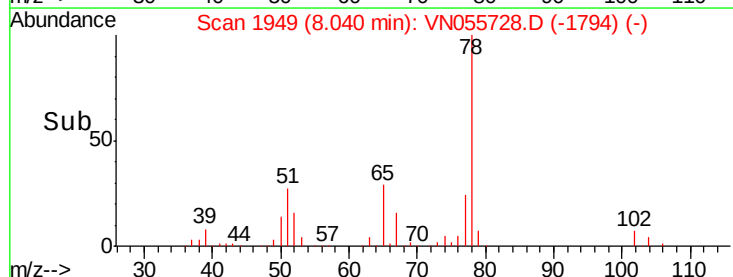
51 26.6 20.6 31.0

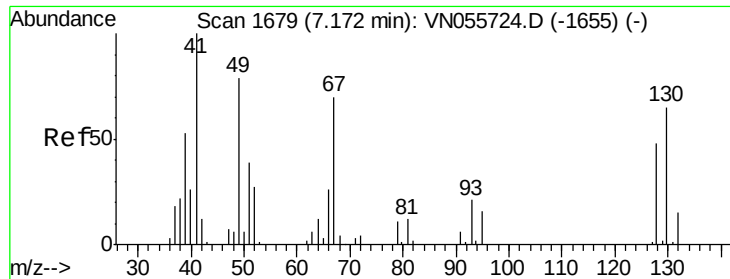


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

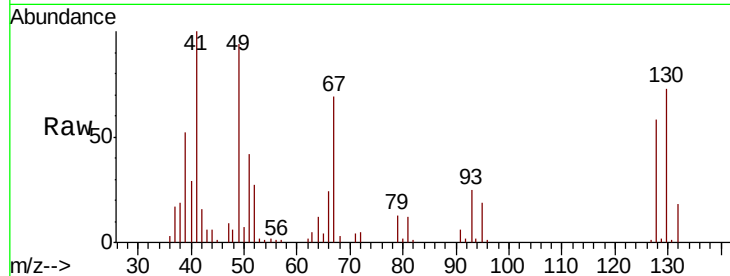




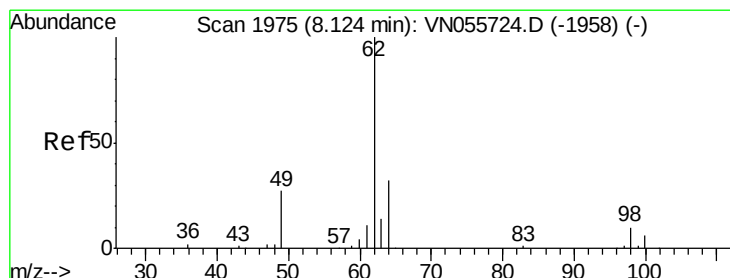
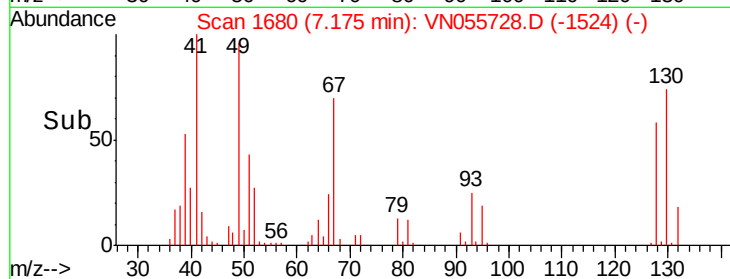
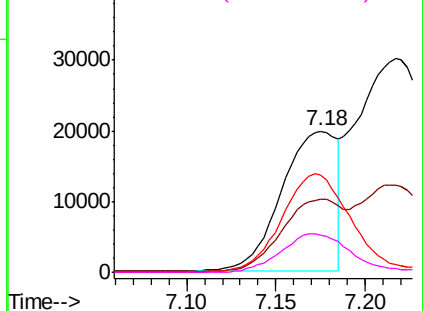
#35
Methacrylonitrile
Concen: 19.951 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion: 41 Resp: 42366
Ion Ratio Lower Upper
41 100
39 51.9 26.7 80.1
67 69.6 34.9 104.7
52 26.9 13.6 40.8

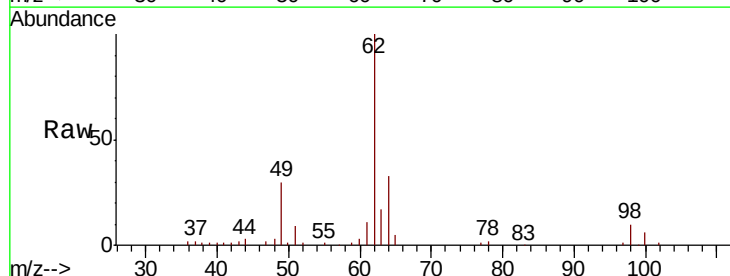


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

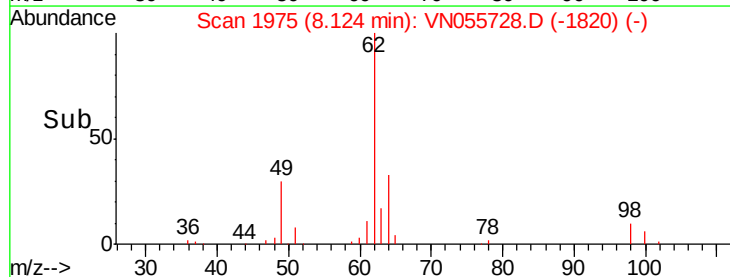
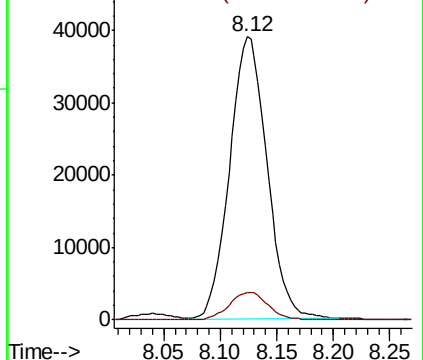


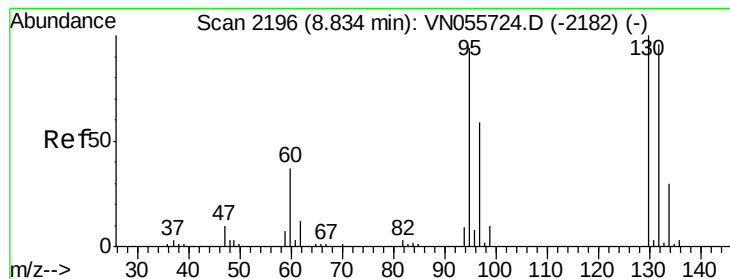
#36
1,2-Dichloroethane
Concen: 20.581 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 62 Resp: 89628
Ion Ratio Lower Upper
62 100
98 10.1 8.2 12.2



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





#37

Trichloroethene

Concen: 20.058 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

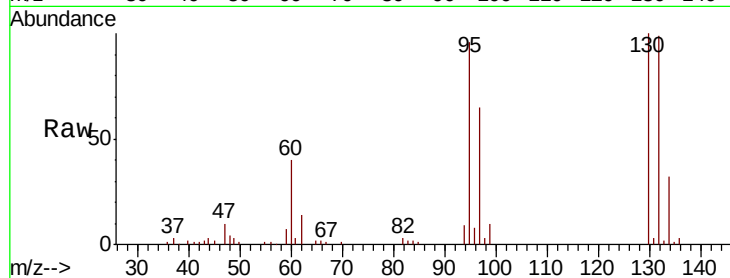
ICVVN052219

Tot Ion:130 Resp: 74580

Ion Ratio Lower Upper

130 100

95 95.1 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

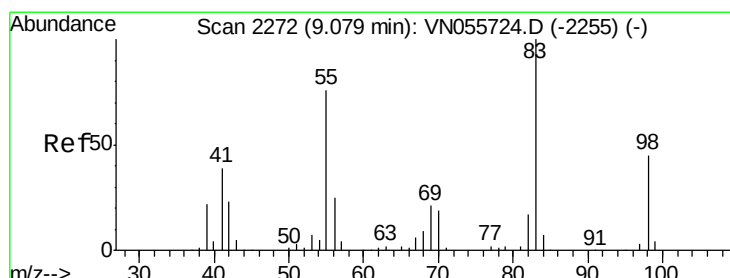
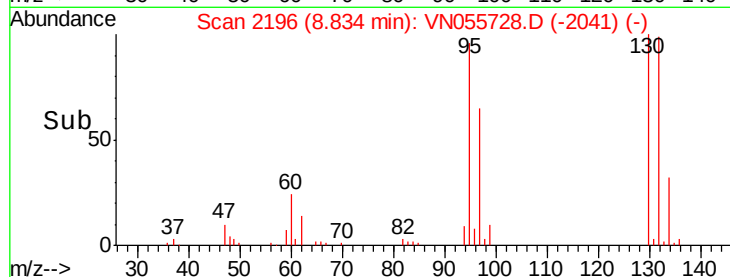
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 19.985 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

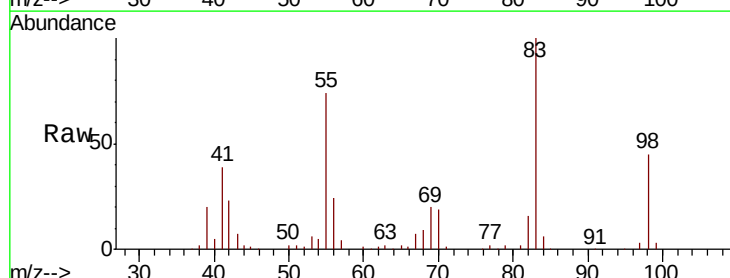
Tgt Ion: 83 Resp: 109292

Ion Ratio Lower Upper

83 100

55 74.9 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

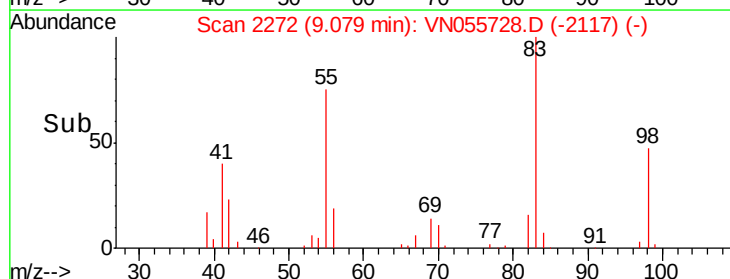
40000

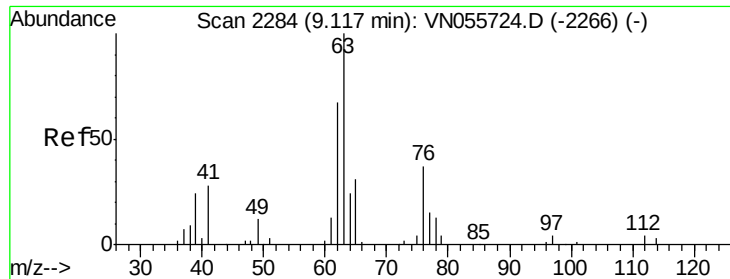
20000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 20.692 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

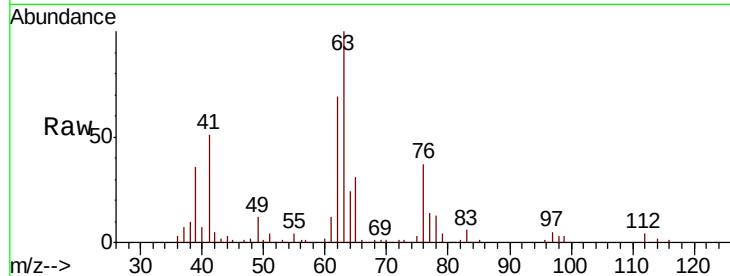
ICVVN052219

Tot Ion: 63 Resp: 74127

Ion Ratio Lower Upper

63 100

65 30.7 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.12

40000

30000

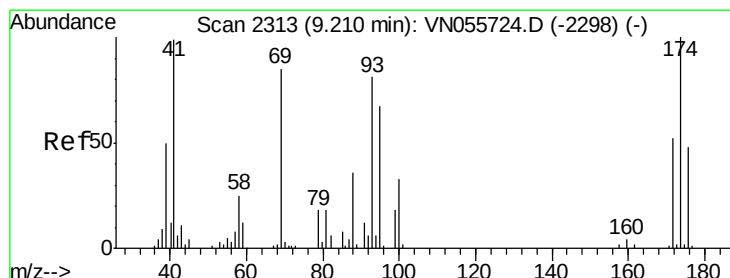
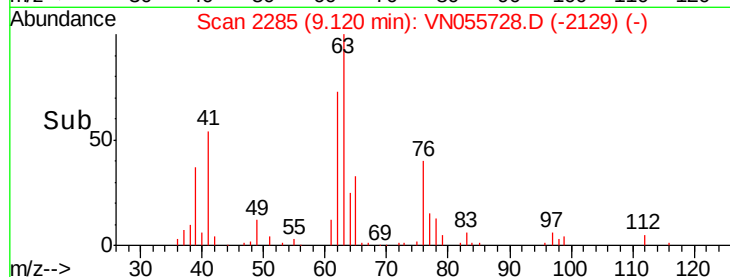
20000

10000

0

Time-->

9.00 9.10 9.20



#40

Dibromomethane

Concen: 21.225 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

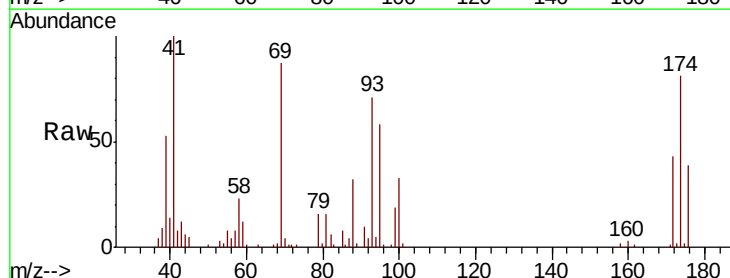
Tgt Ion: 93 Resp: 49100

Ion Ratio Lower Upper

93 100

95 81.7 0.0 170.6

174 114.1 0.0 248.4



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

30000

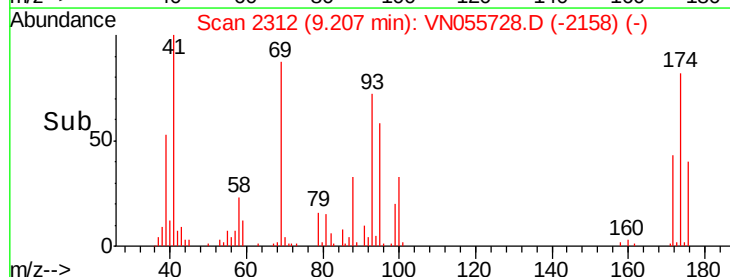
20000

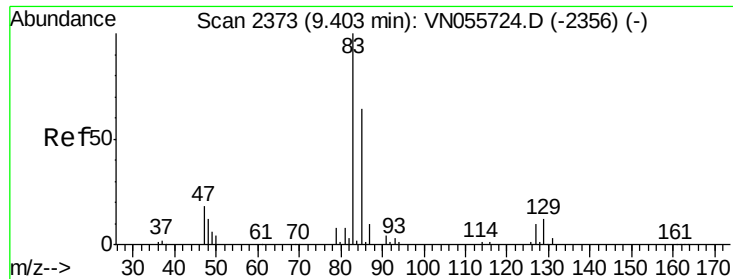
10000

0

Time-->

9.15 9.20 9.25 9.30





#41

Bromodichloromethane

Concen: 20.365 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

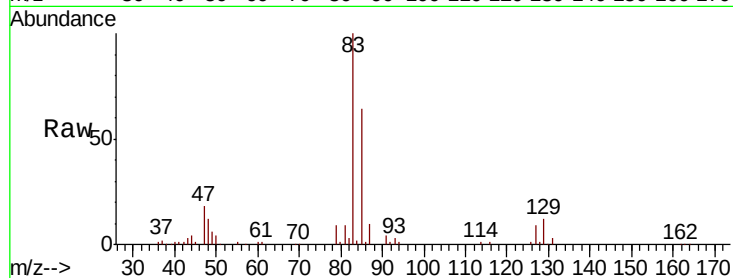
Tot Ion: 83 Resp: 96555

Ion Ratio Lower Upper

83 100

85 64.0 51.4 77.0

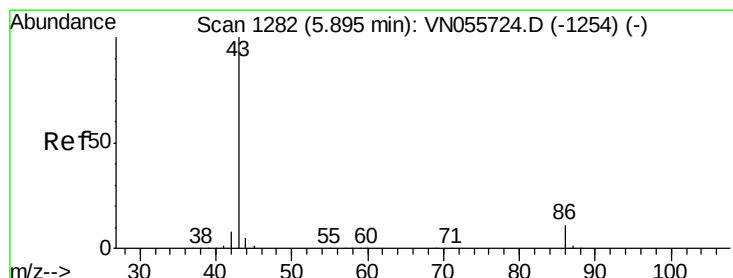
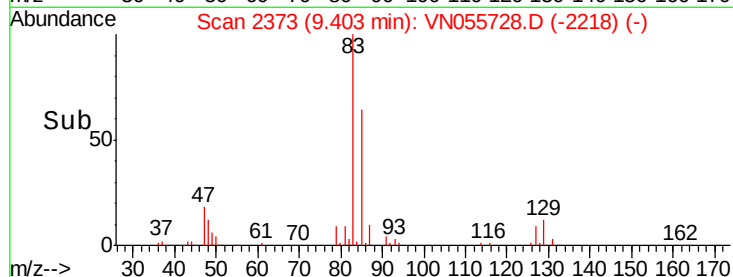
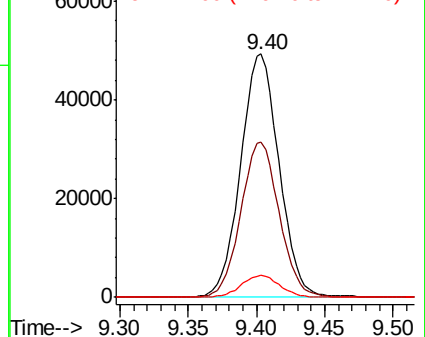
127 8.9 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 102.204 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055728.D

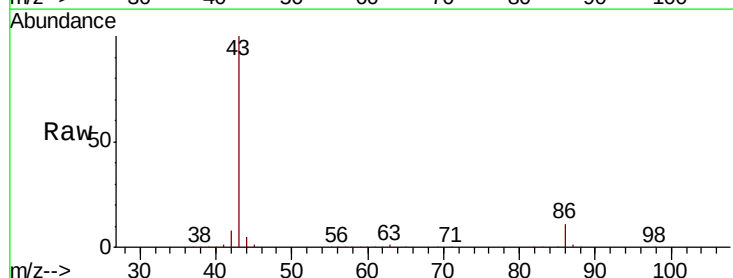
Acq: 22 May 2019 19:27

Tgt Ion: 43 Resp: 912934

Ion Ratio Lower Upper

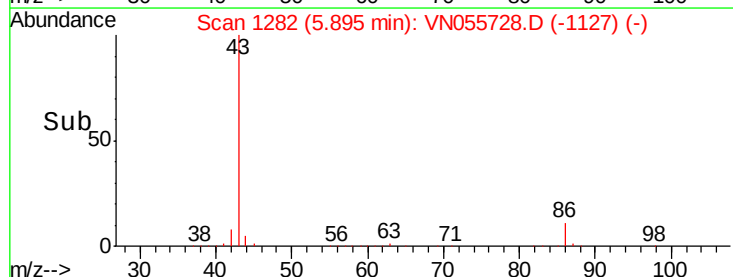
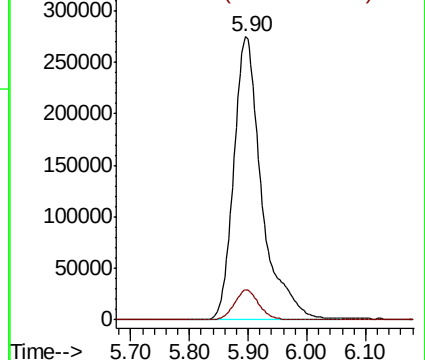
43 100

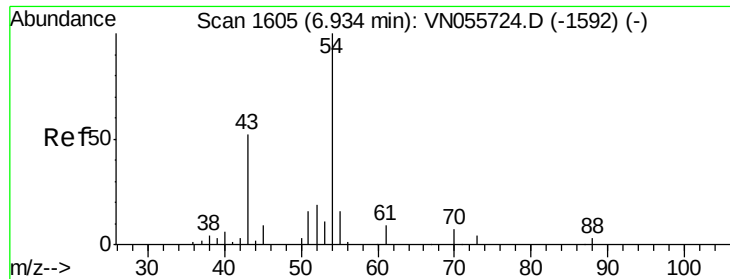
86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.194 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

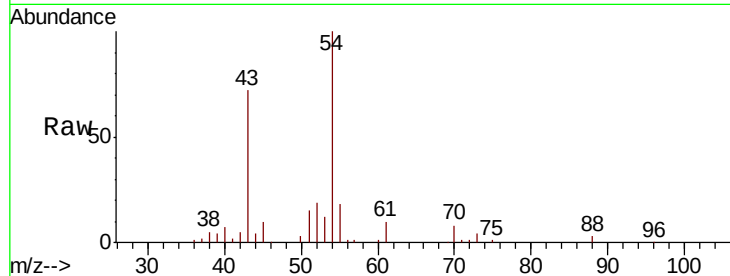
ICVVN052219

Tot Ion: 43 Resp: 91323

Ion Ratio Lower Upper

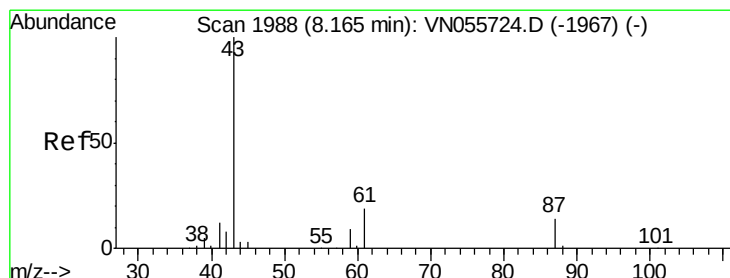
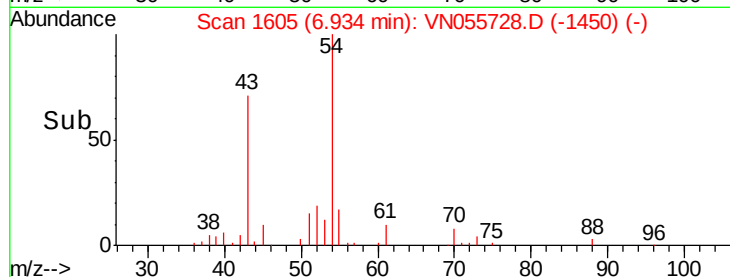
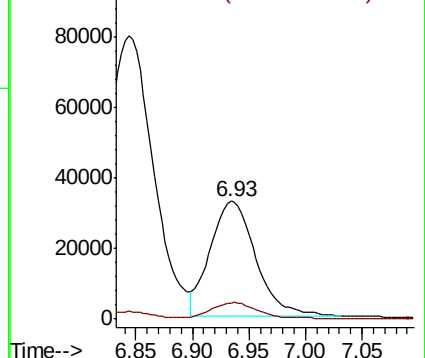
43 100

45 12.0 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.151 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055728.D

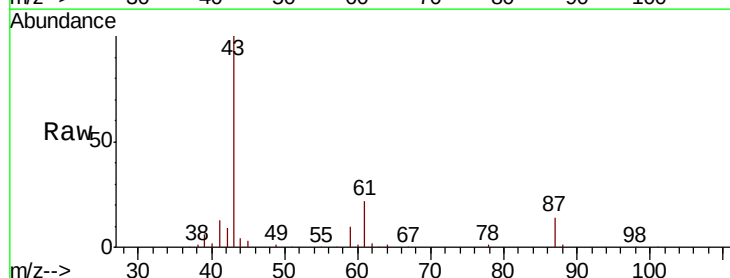
Acq: 22 May 2019 19:27

Tgt Ion: 43 Resp: 150900

Ion Ratio Lower Upper

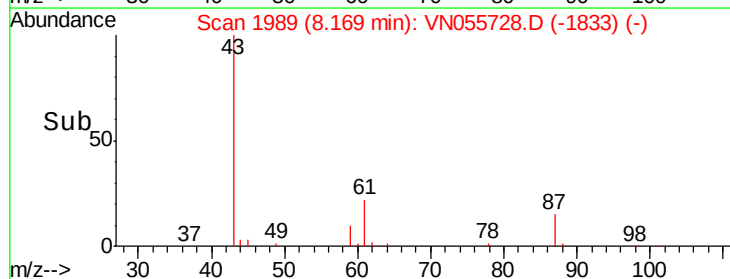
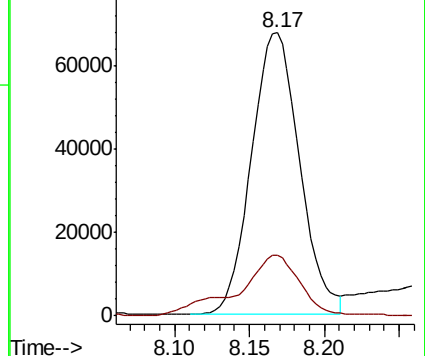
43 100

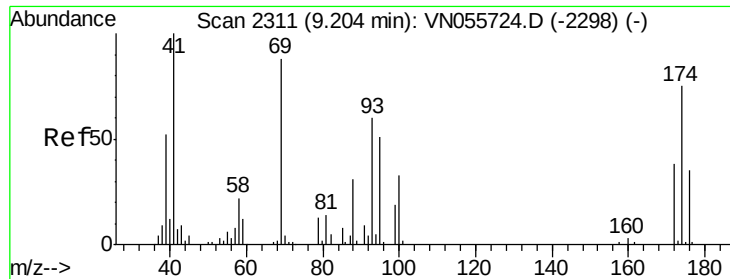
61 21.1 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

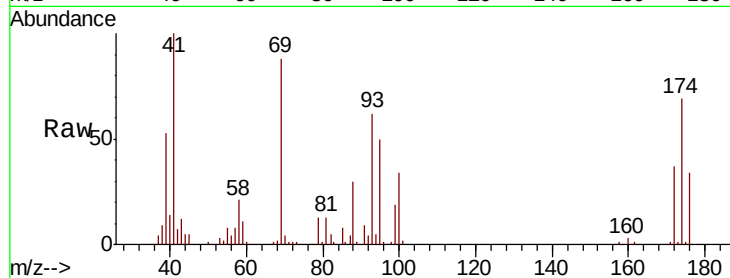




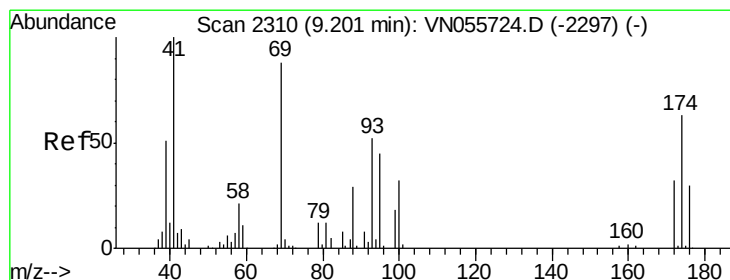
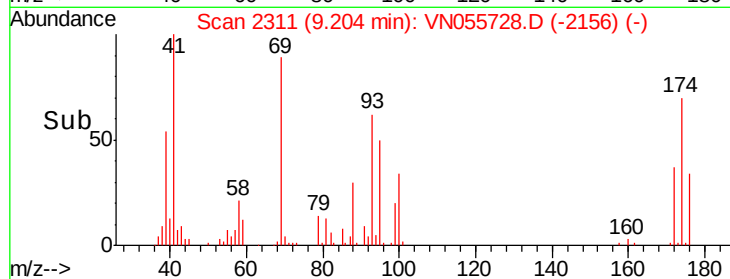
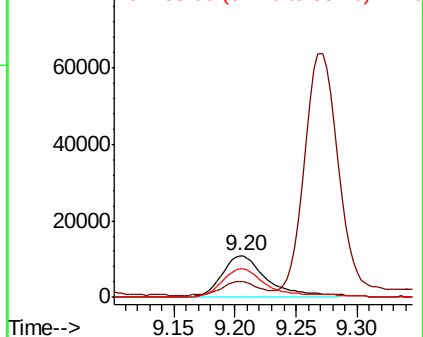
#45
 1,4-Dioxane
 Concen: 400.270 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion: 88 Resp: 28199
 Ion Ratio Lower Upper
 88 100
 43 25.8 20.5 30.7
 58 65.6 56.1 84.1

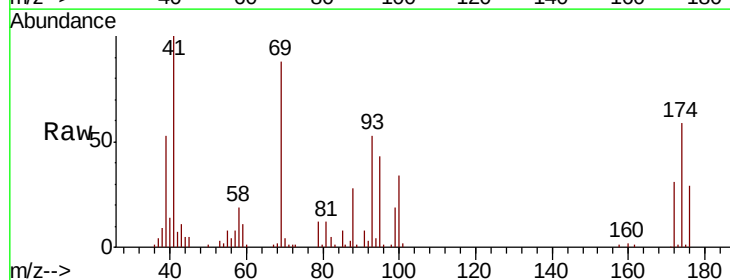


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

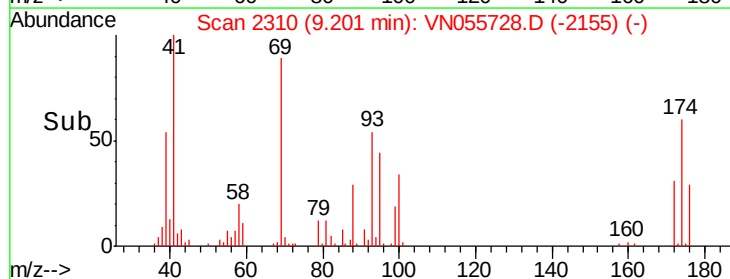
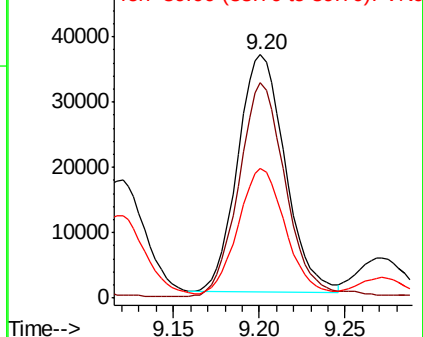


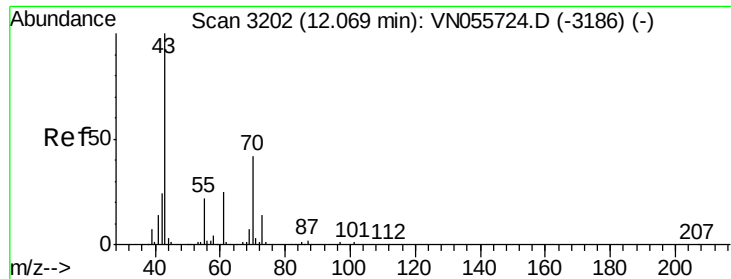
#46
 Methyl methacrylate
 Concen: 19.935 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion: 41 Resp: 69649
 Ion Ratio Lower Upper
 41 100
 69 90.2 43.8 131.4
 39 52.4 25.6 76.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

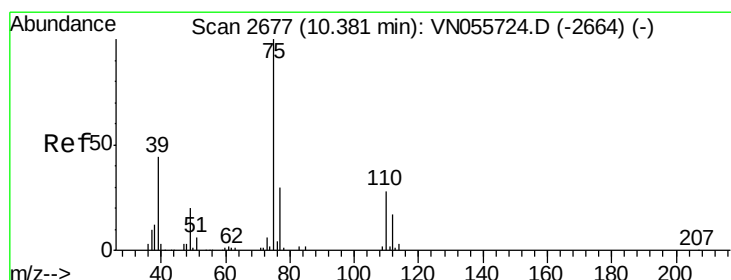
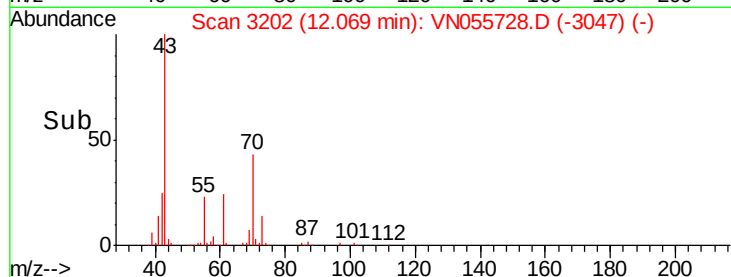
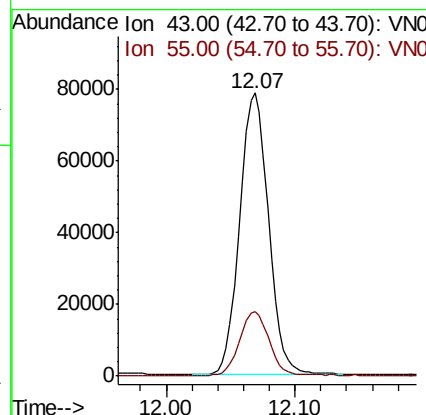
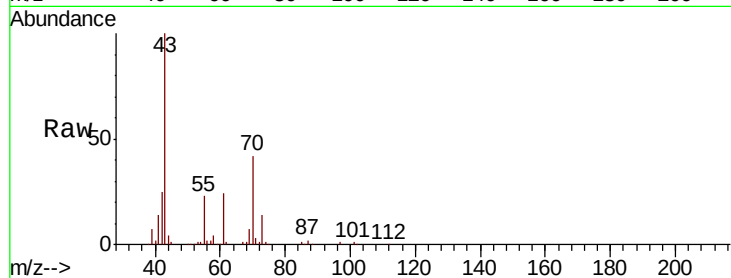




#47
n-amyl Acetate
Concen: 19.839 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

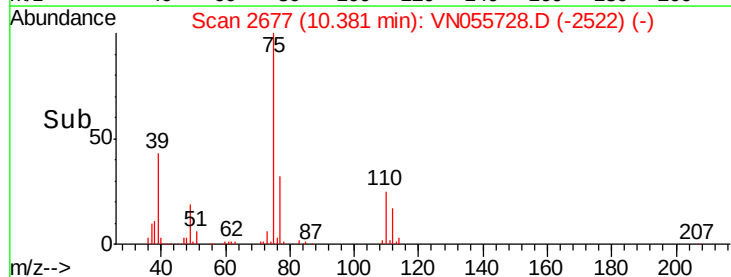
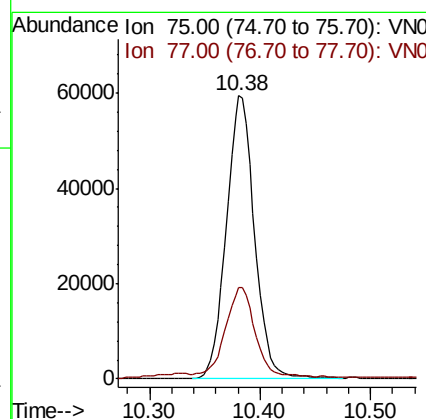
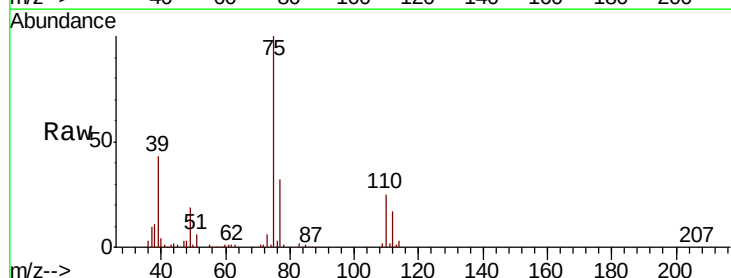
Instrument :
MSVOA_N
ClientSampled :
ICVVN052219

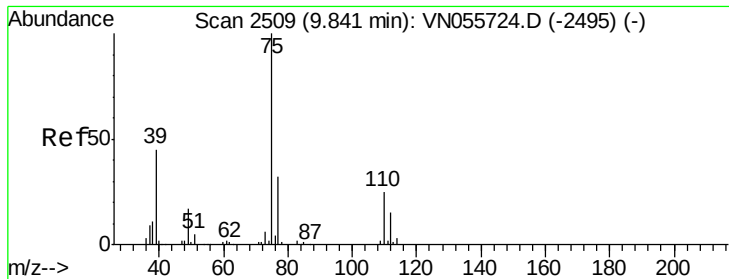
Tot Ion: 43 Resp: 122883
Ion Ratio Lower Upper
43 100
55 23.1 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 20.139 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 75 Resp: 105401
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8



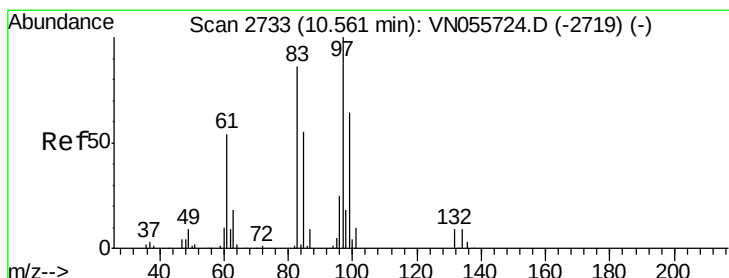
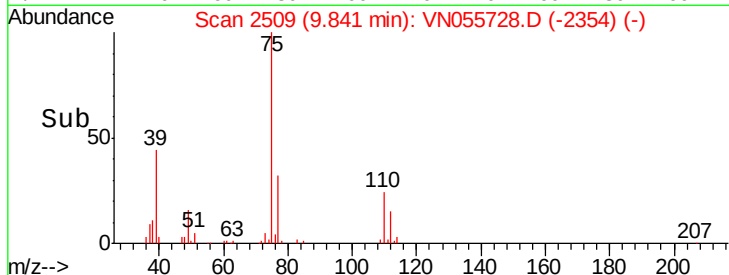
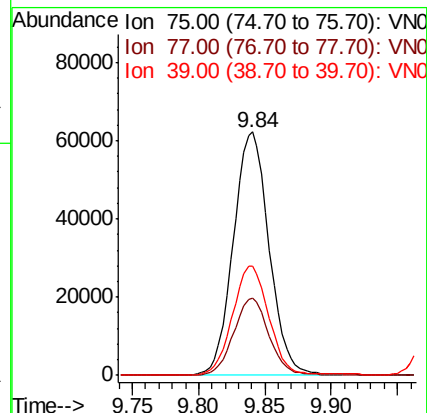
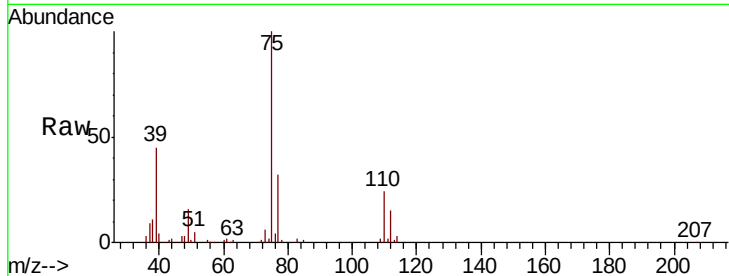


#49

cis-1,3-Dichloropropene
 Concen: 20.382 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

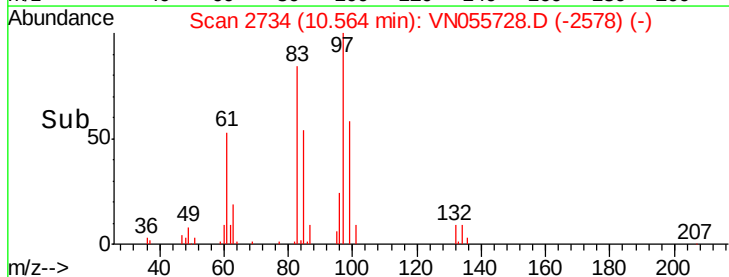
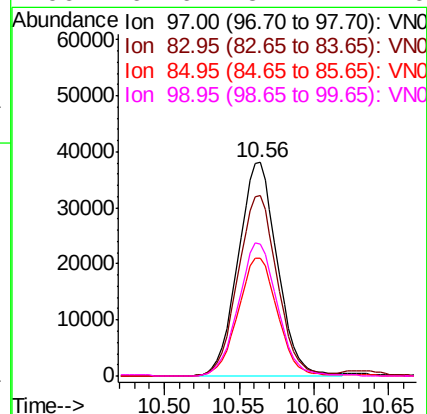
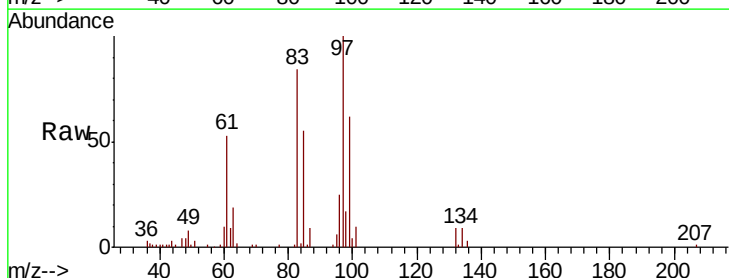
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.0	39.0
39	44.6	36.2	54.4

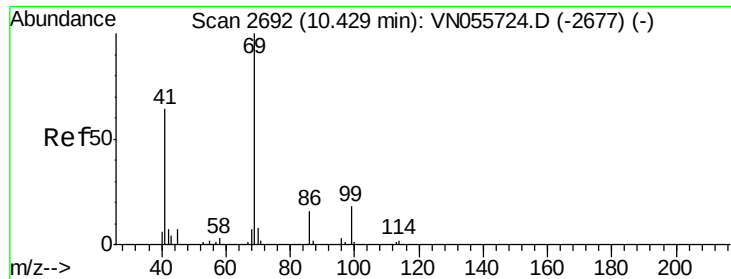


#50

1,1,2-Trichloroethane
 Concen: 20.633 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.3	68.9	103.3
85	55.3	44.3	66.5
99	61.6	51.4	77.0





#51

Ethyl methacrylate

Concen: 20.436 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

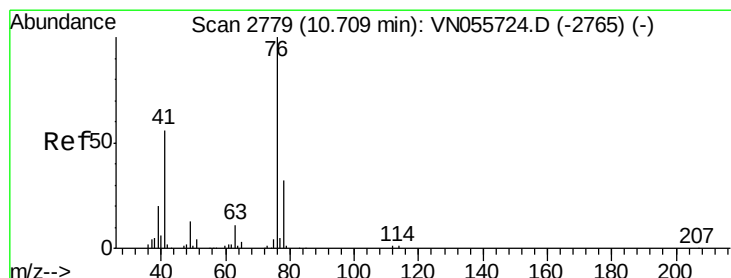
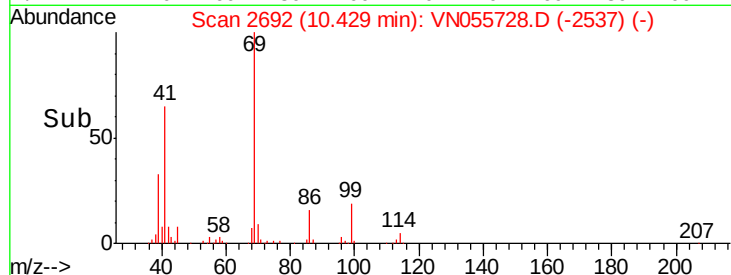
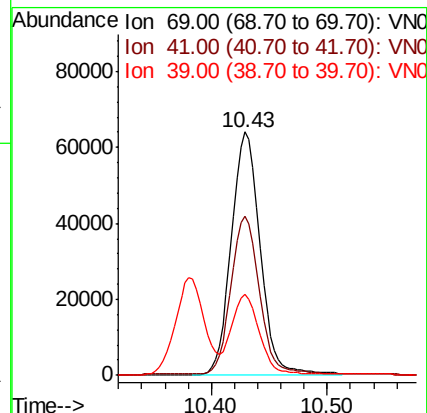
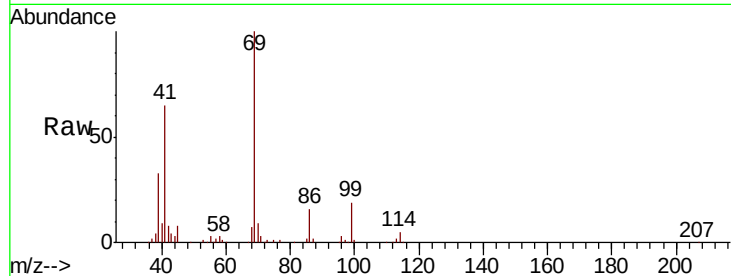
Tot Ion: 69 Resp: 110930

Ion Ratio Lower Upper

69 100

41 64.8 31.9 95.7

39 32.6 15.7 47.0



#52

1,3-Dichloropropane

Concen: 20.184 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055728.D

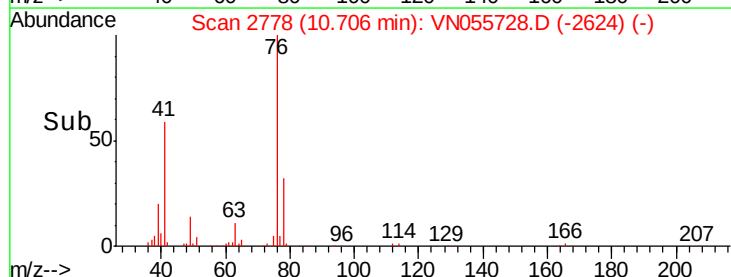
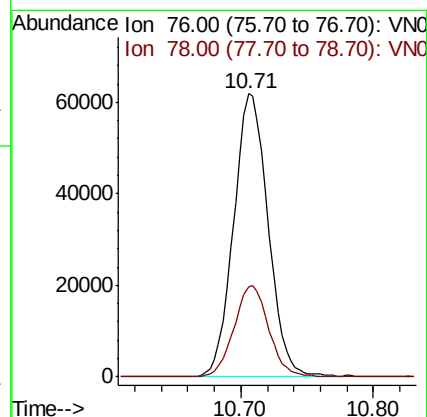
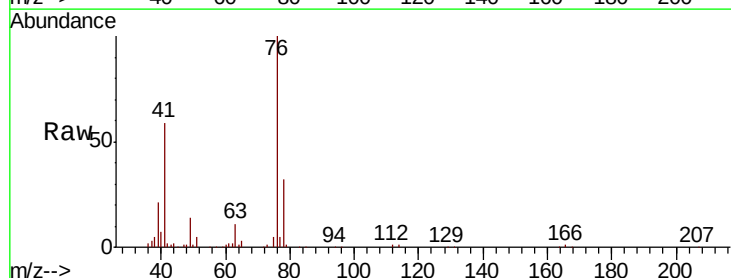
Acq: 22 May 2019 19:27

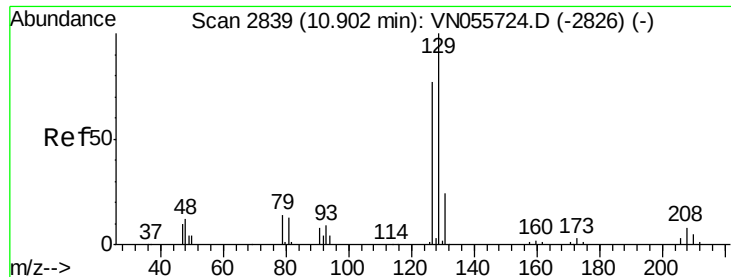
Tgt Ion: 76 Resp: 112040

Ion Ratio Lower Upper

76 100

78 32.3 0.0 65.0

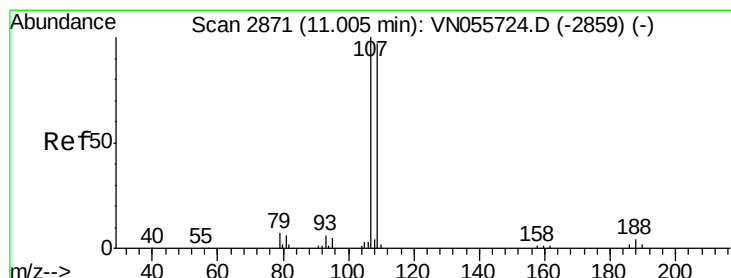
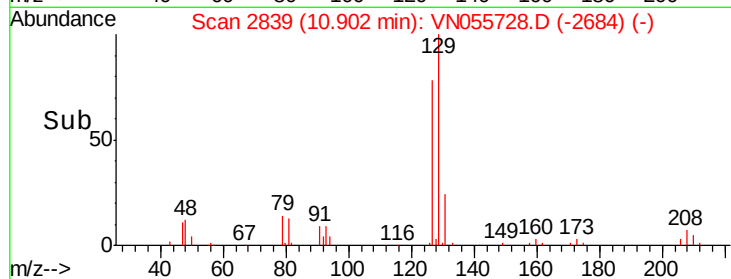
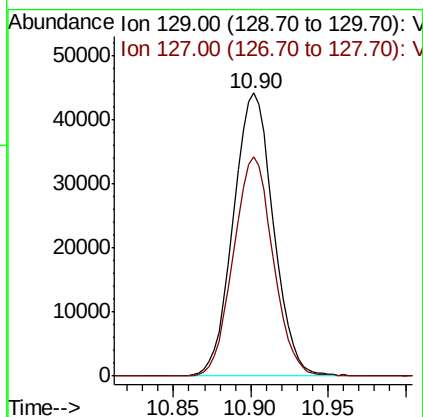
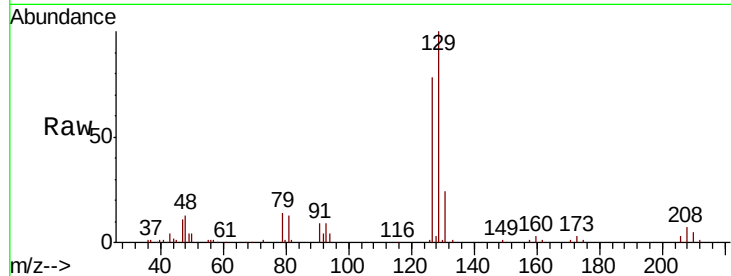




#53
 Dibromochloromethane
 Concen: 19.990 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

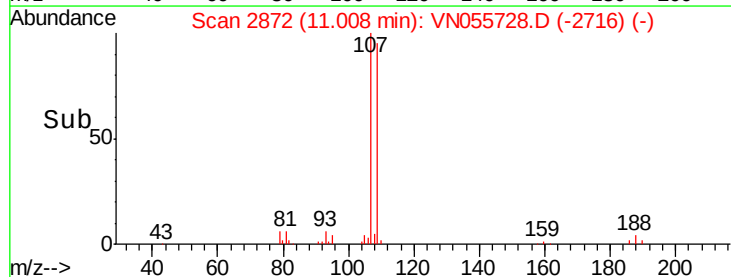
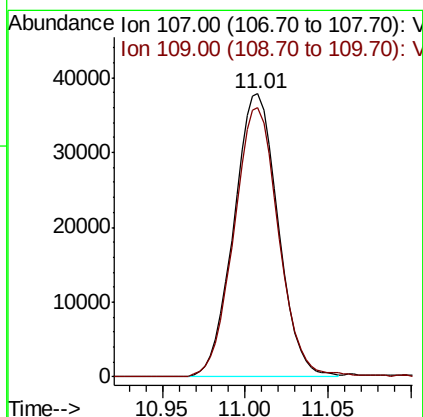
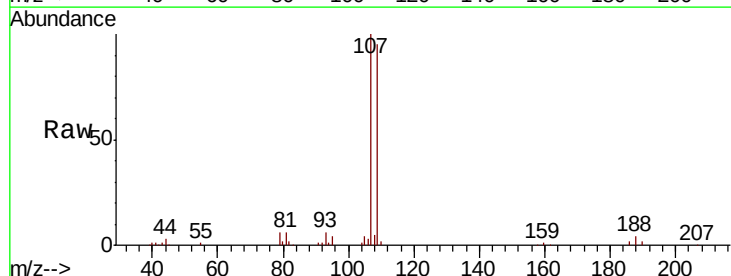
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

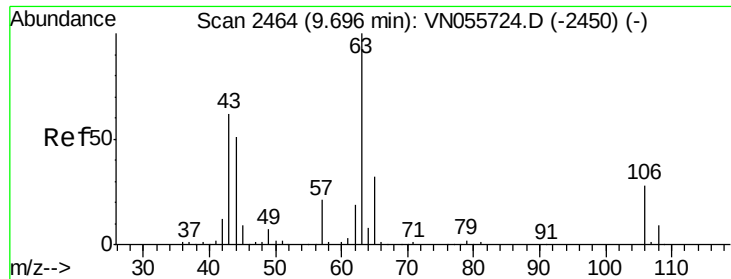
Tot Ion:129 Resp: 79528
 Ion Ratio Lower Upper
 129 100
 127 76.8 39.2 117.6



#54
 1,2-Dibromoethane
 Concen: 20.179 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion:107 Resp: 70322
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.6 115.0

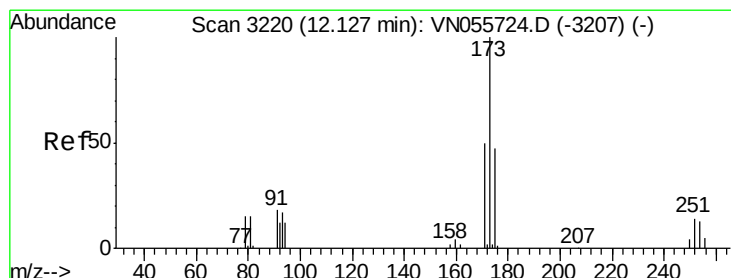
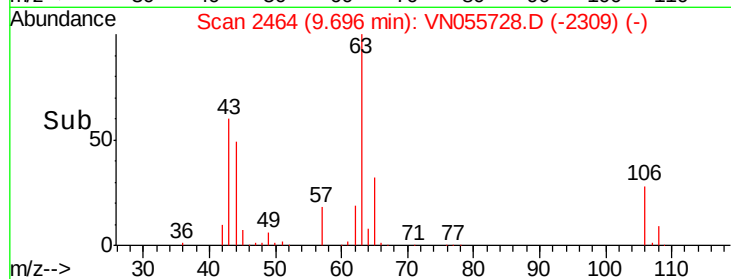
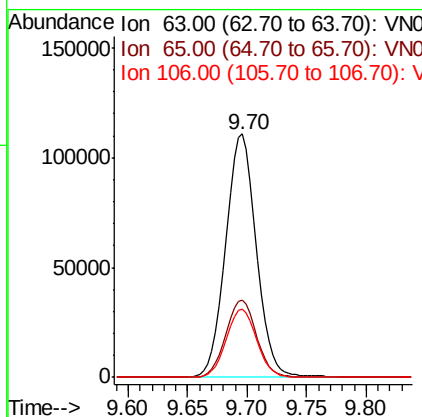
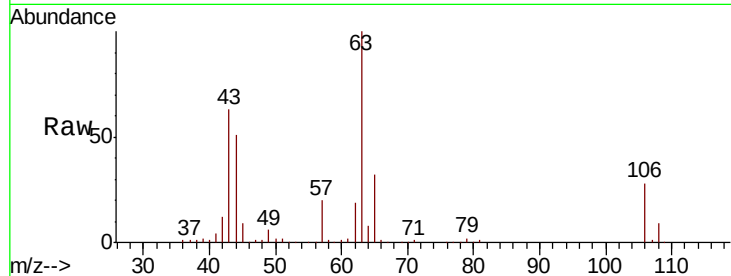




#55
2-Chloroethyl vinyl ether
Concen: 93.729 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

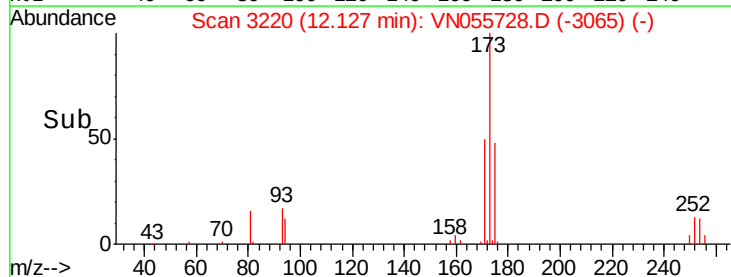
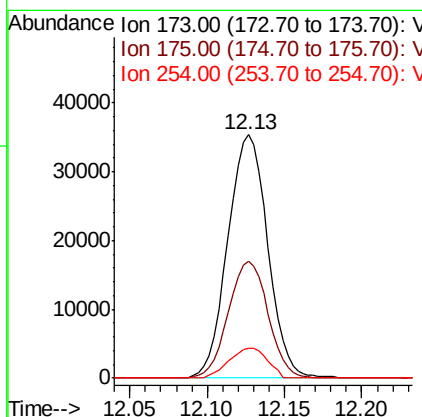
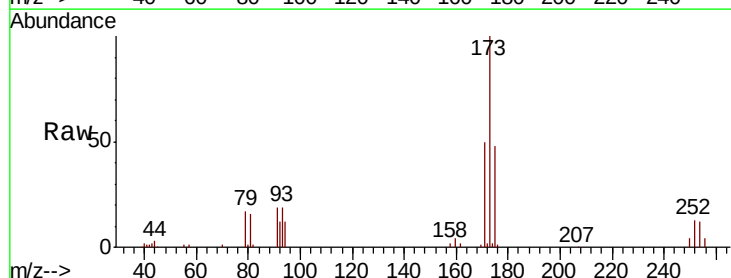
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

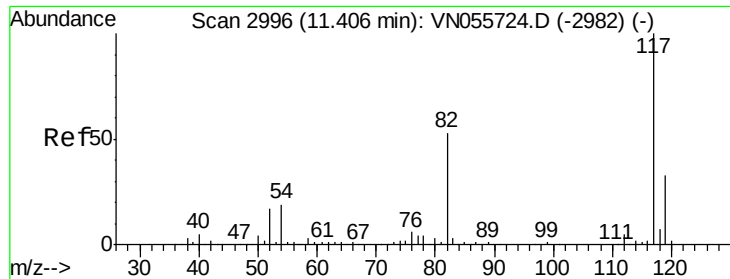
Tot Ion: 63 Resp: 197960
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.0
106 27.7 22.1 33.1



#56
Bromoform
Concen: 19.398 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 173 Resp: 63302
Ion Ratio Lower Upper
173 100
175 47.7 38.5 57.7
254 11.7 9.4 14.0

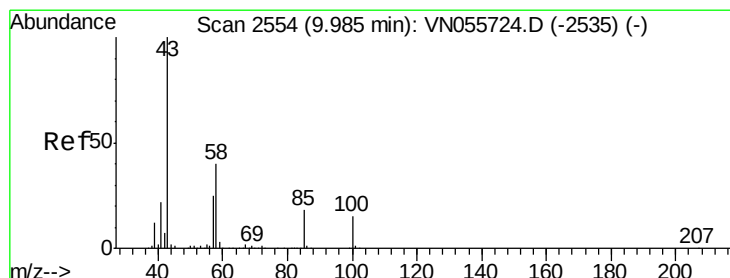
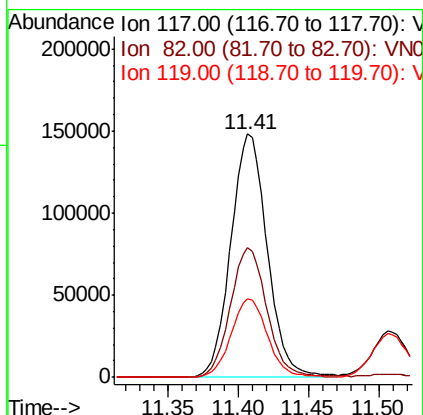
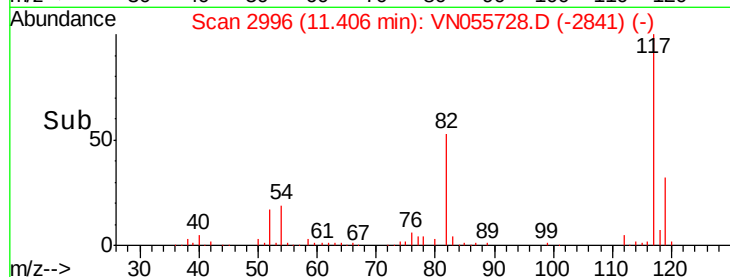
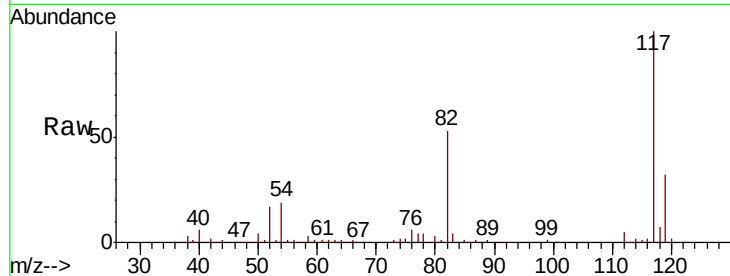




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

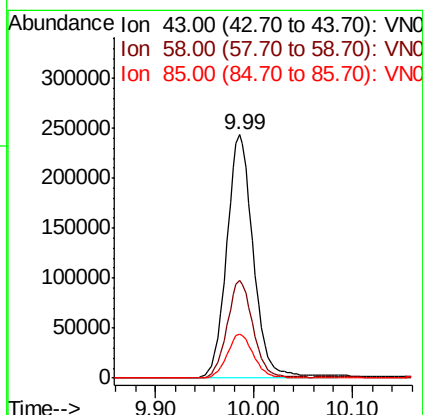
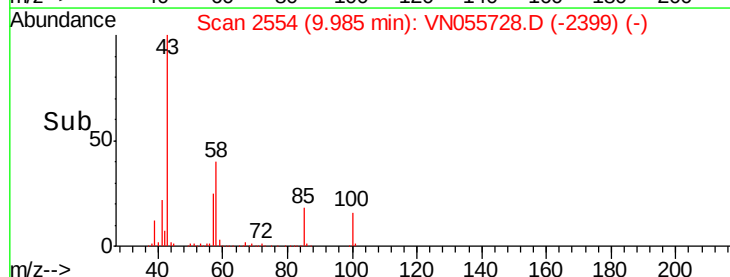
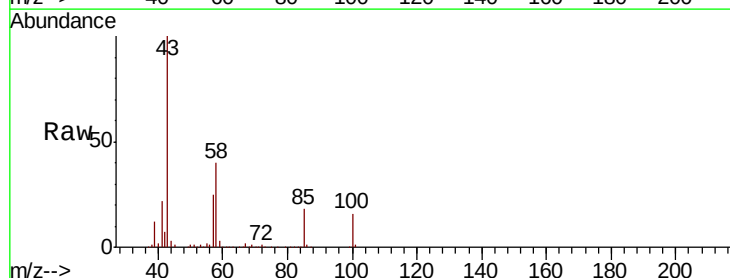
Instrument :
MSVOA_N
ClientSampled :
ICVVN052219

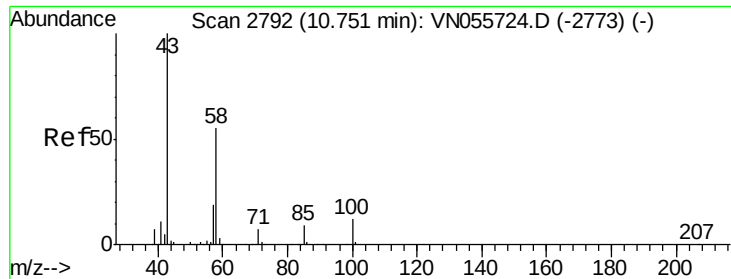
Tot Ion:117 Resp: 268751
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 32.3 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 102.671 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 43 Resp: 456791
Ion Ratio Lower Upper
43 100
58 39.7 31.7 47.5
85 18.3 14.5 21.7

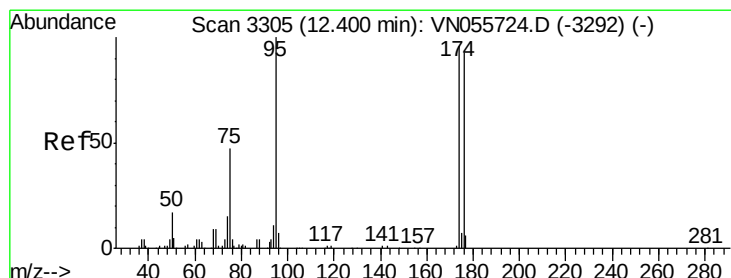
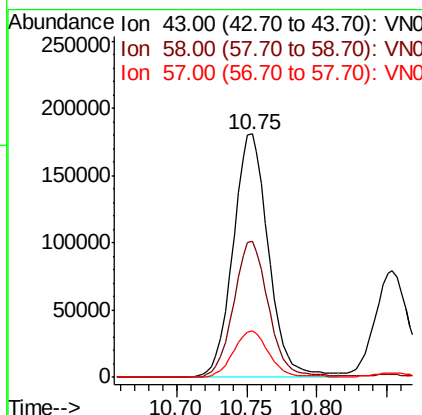
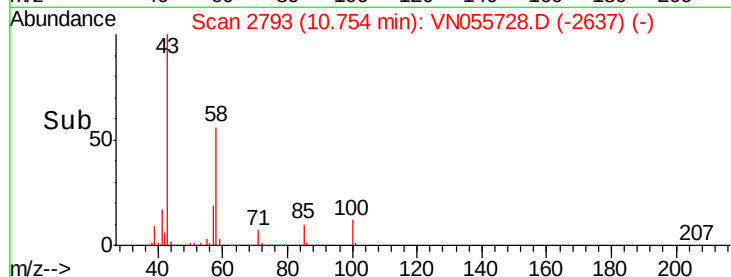
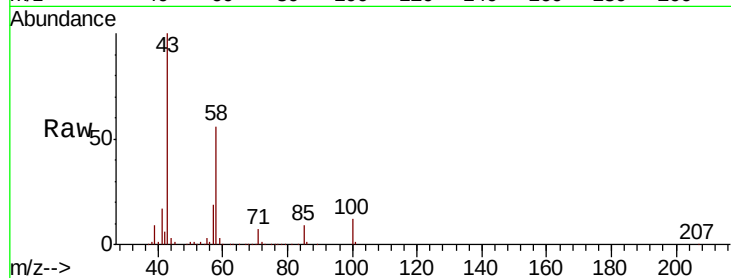




#59
2-Hexanone
Concen: 99.204 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

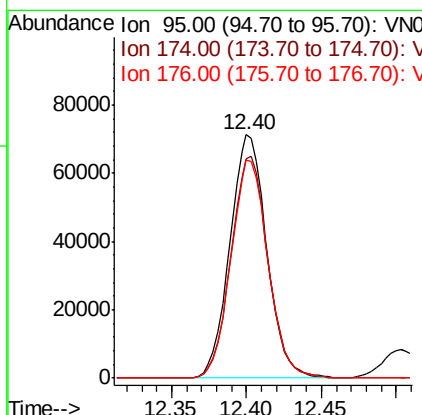
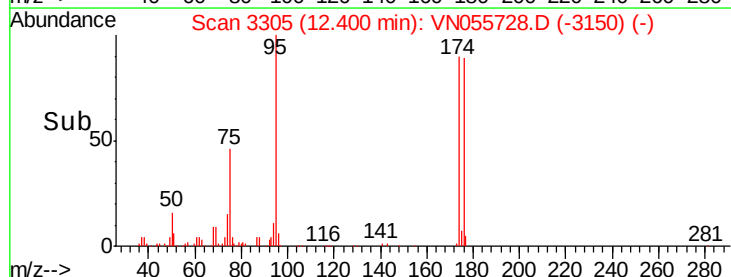
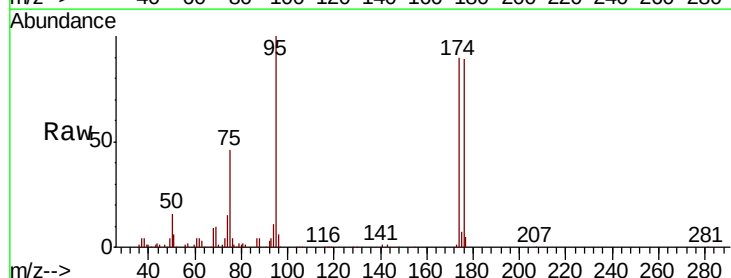
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

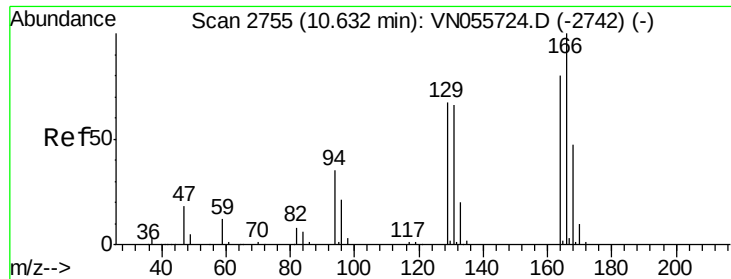
Tot Ion	43	Resp	315535
Ion Ratio	Lower	Upper	
43	100		
58	56.0	44.8	67.2
57	19.2	15.3	22.9



#60
4-Bromofluorobenzene
Concen: 29.244 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	95	Resp	122263
Ion Ratio	Lower	Upper	
95	100		
174	91.0	75.7	113.5
176	90.0	74.1	111.1





#61

Tetrachloroethene

Concen: 20.152 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

Tot Ion:164 Resp: 73313

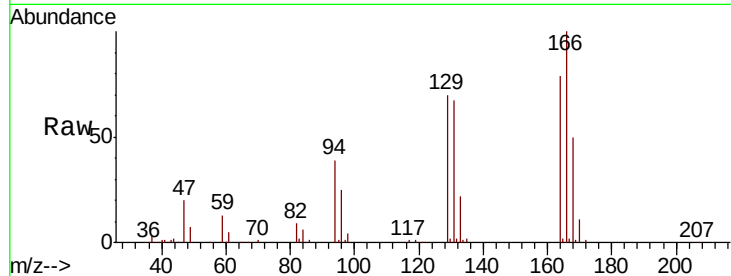
Ion Ratio Lower Upper

164 100

166 127.2 100.6 150.8

129 88.9 67.4 101.2

131 85.8 66.6 99.8

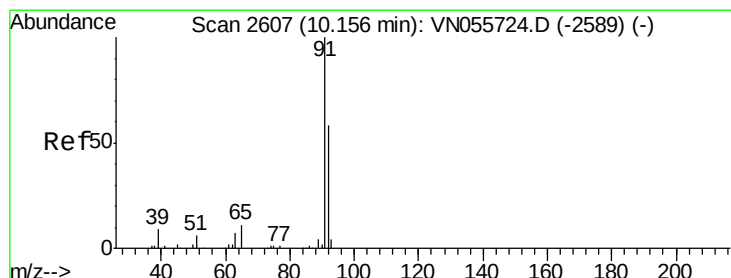
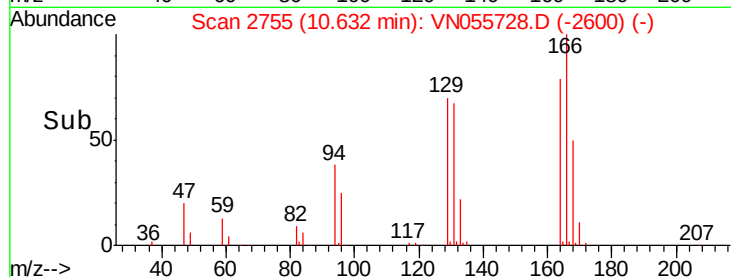
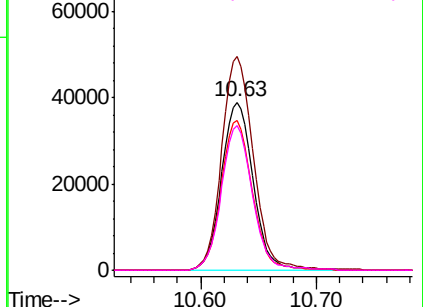


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.921 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055728.D

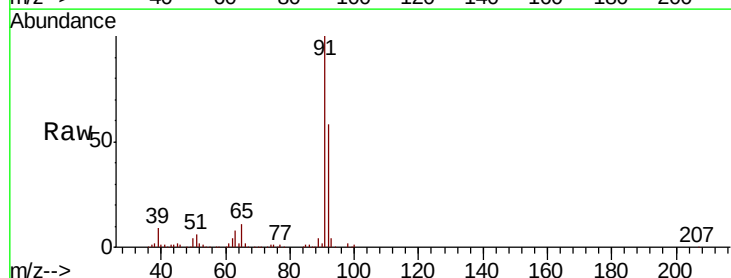
Acq: 22 May 2019 19:27

Tgt Ion: 91 Resp: 302359

Ion Ratio Lower Upper

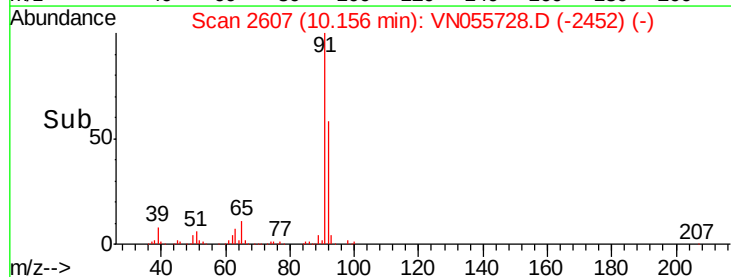
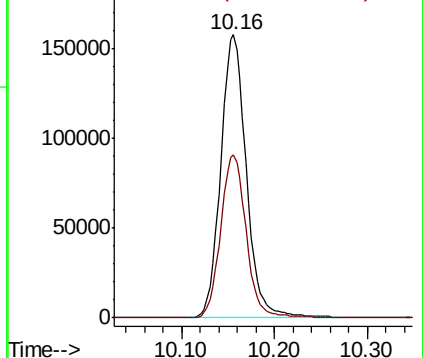
91 100

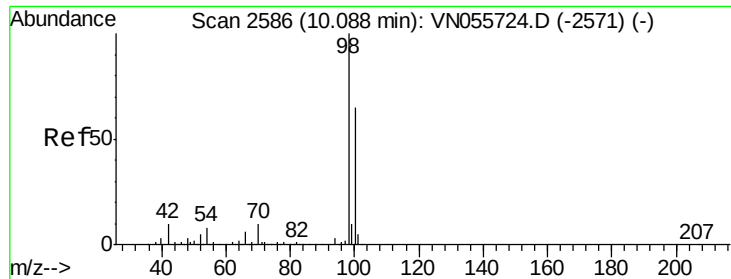
92 57.7 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.496 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

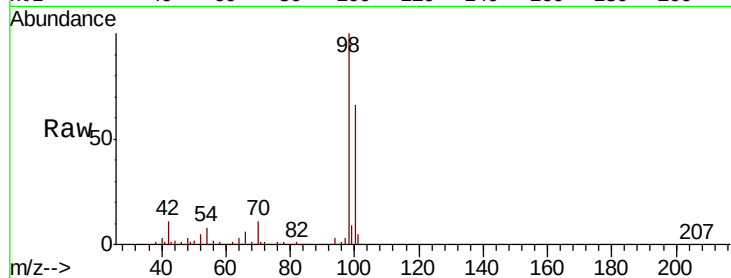
ICVVN052219

Tot Ion: 98 Resp: 374539

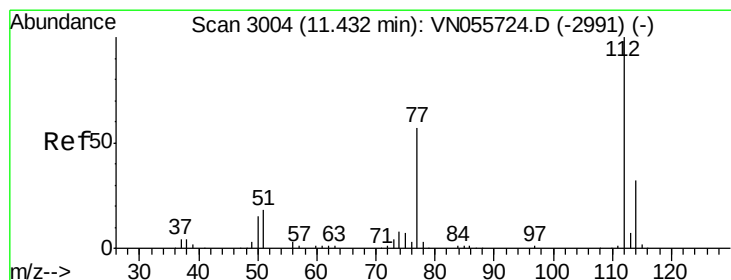
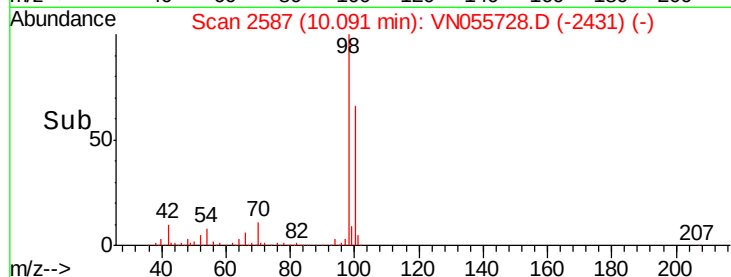
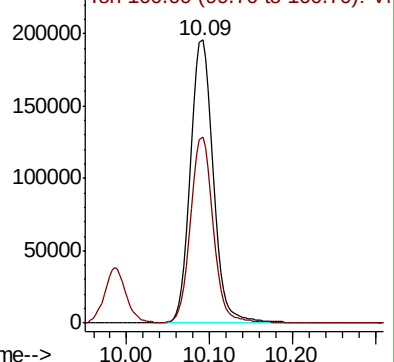
Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055728.D (-2571) (-)



#64

Chlorobenzene

Concen: 20.651 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055728.D

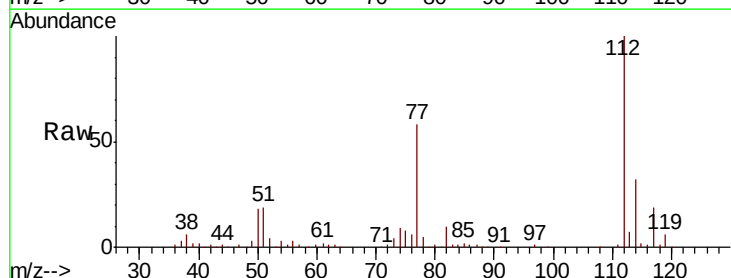
Acq: 22 May 2019 19:27

Tgt Ion: 112 Resp: 181042

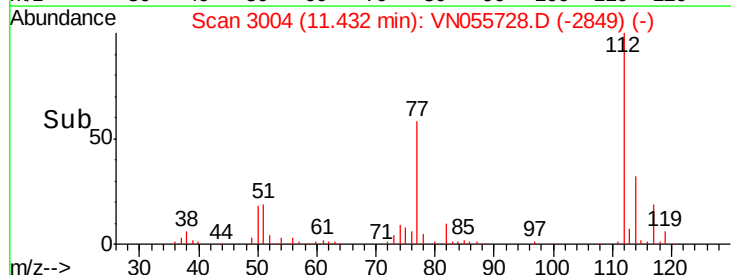
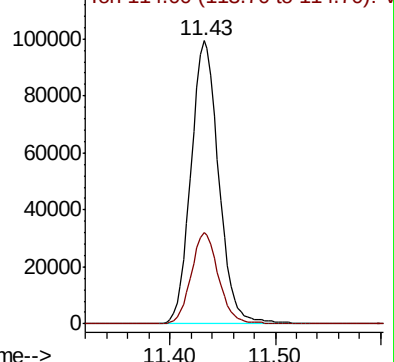
Ion Ratio Lower Upper

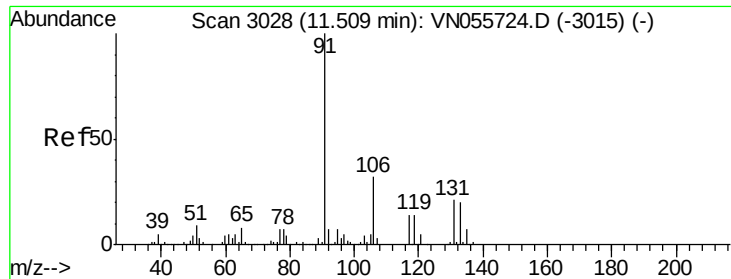
112 100

114 32.4 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN055728.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.314 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

ICVVN052219

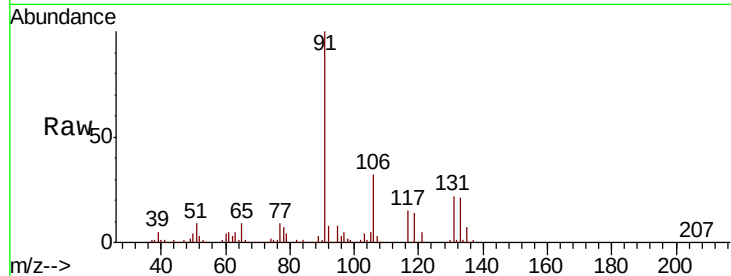
Tot Ion:131 Resp: 71755

Ion Ratio Lower Upper

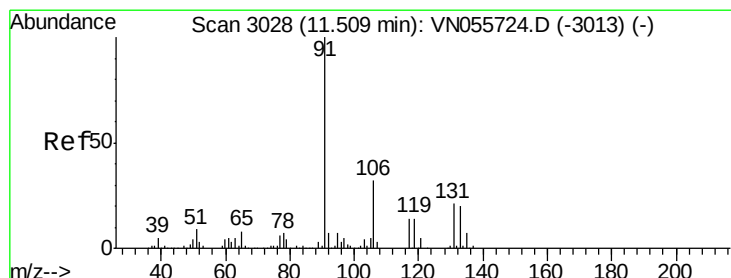
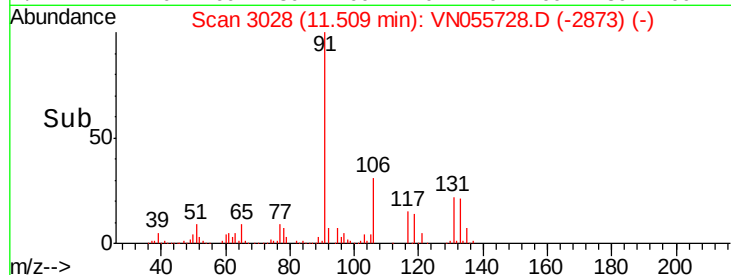
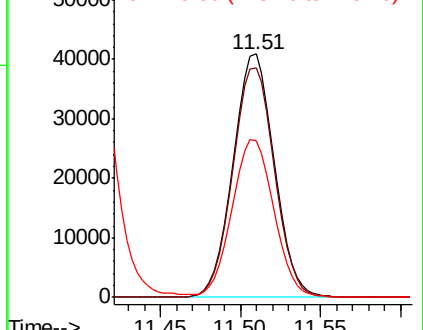
131 100

133 95.8 0.0 188.8

119 66.2 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.578 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055728.D

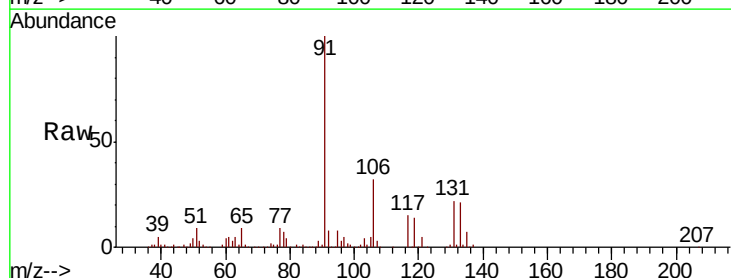
Acq: 22 May 2019 19:27

Tgt Ion: 91 Resp: 324945

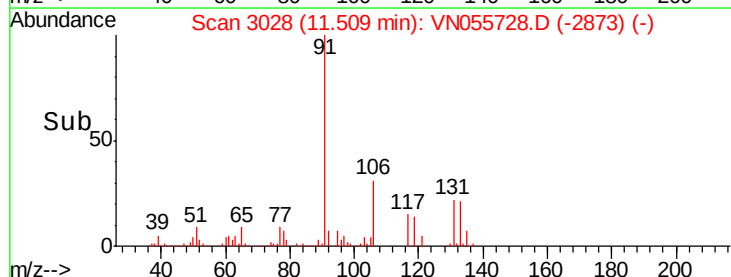
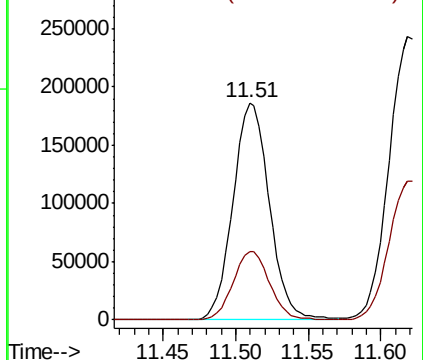
Ion Ratio Lower Upper

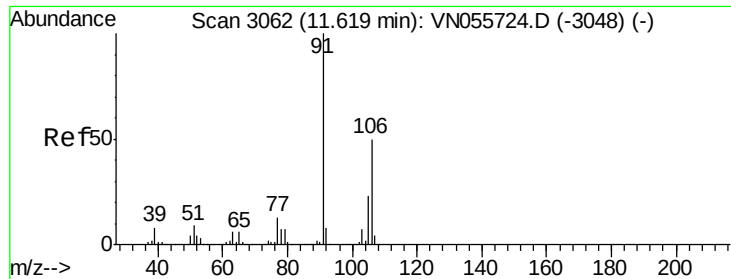
91 100

106 31.8 25.6 38.4



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

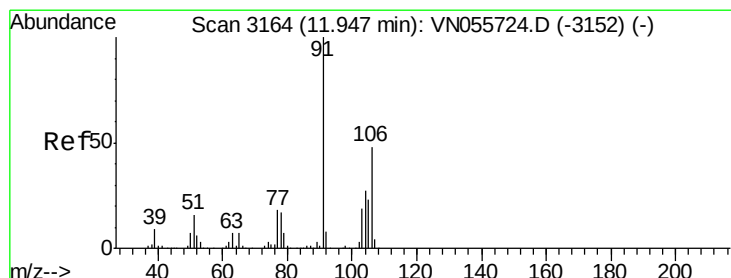
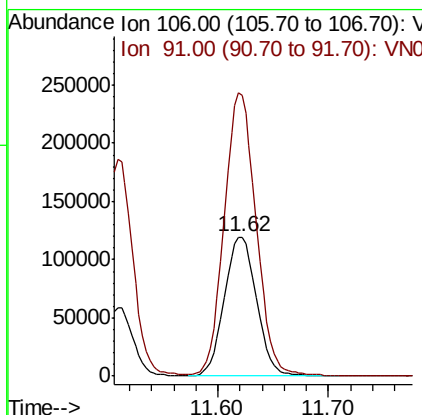
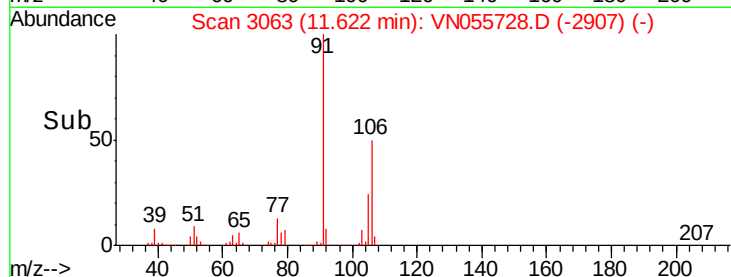
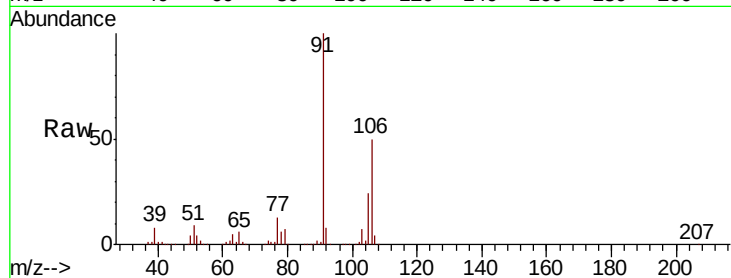




#67
m/p-Xylenes
Concen: 40.544 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

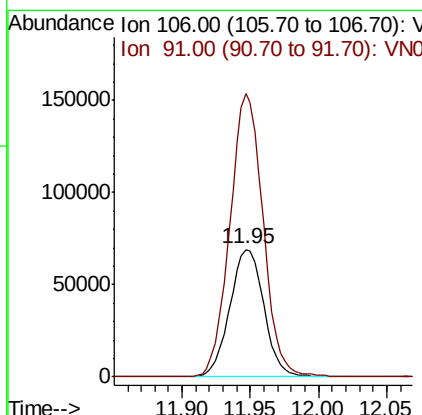
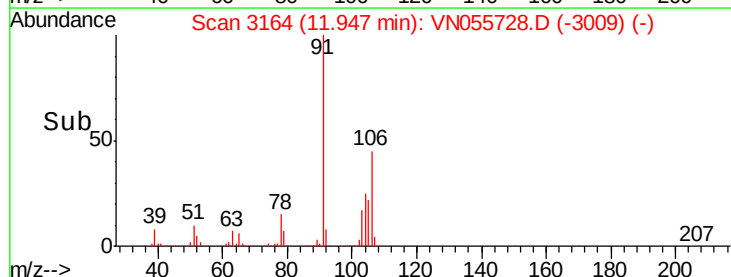
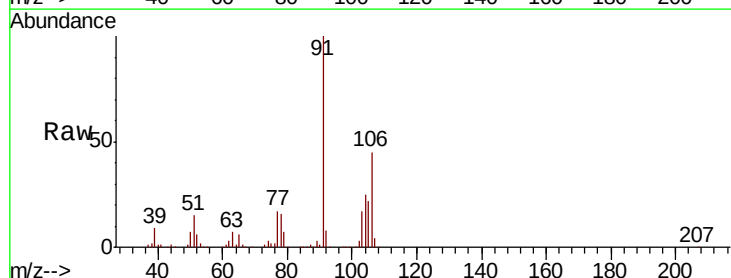
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

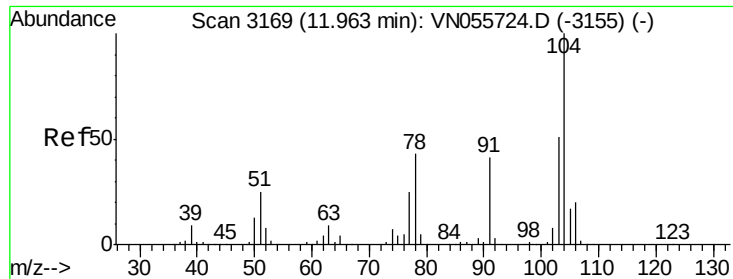
Tot Ion:106 Resp: 243204
Ion Ratio Lower Upper
106 100
91 200.9 159.5 239.3



#68
o-Xylene
Concen: 20.228 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion:106 Resp: 120072
Ion Ratio Lower Upper
106 100
91 216.5 105.4 316.1

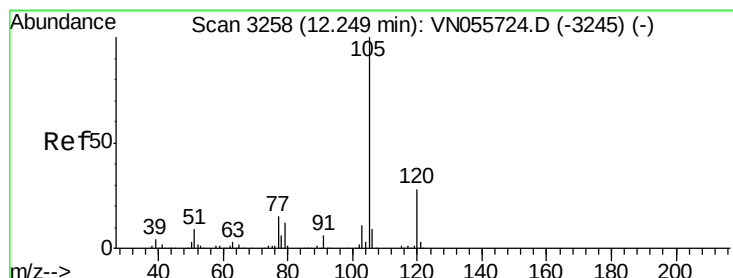
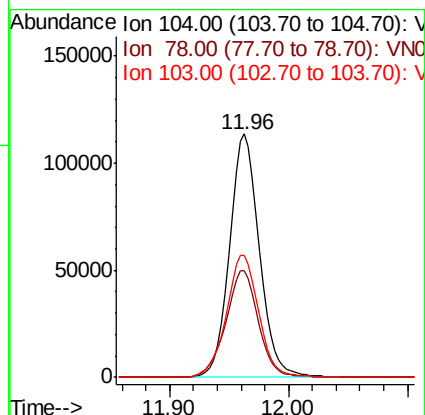
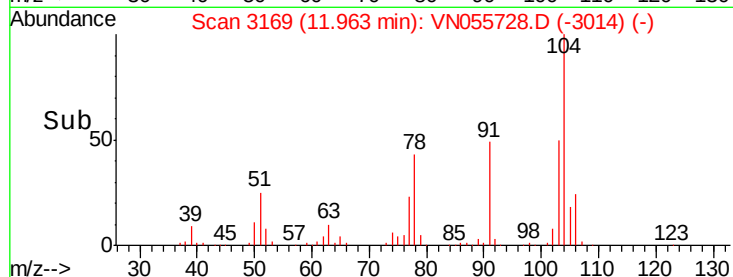
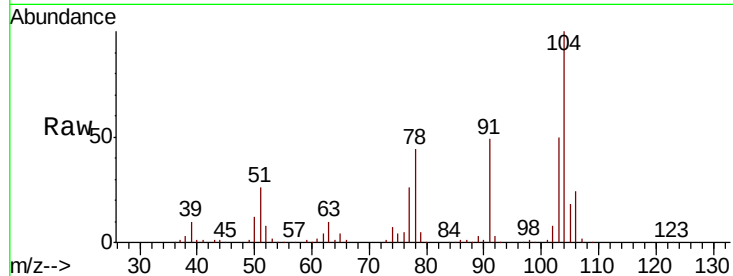




#69
 Stvrene
 Concen: 20.141 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

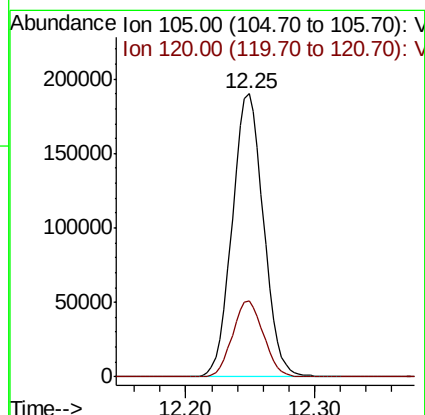
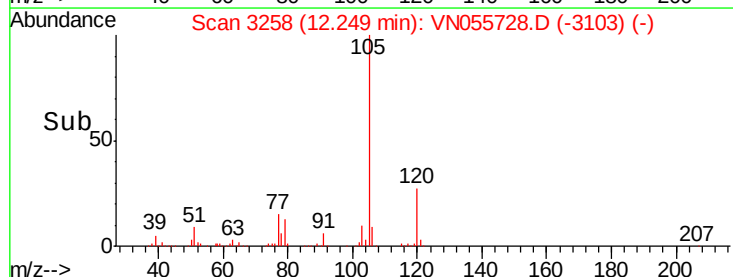
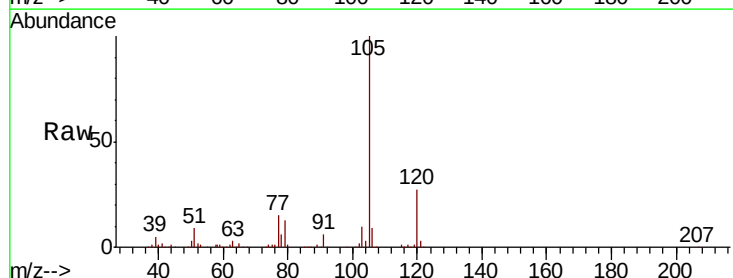
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

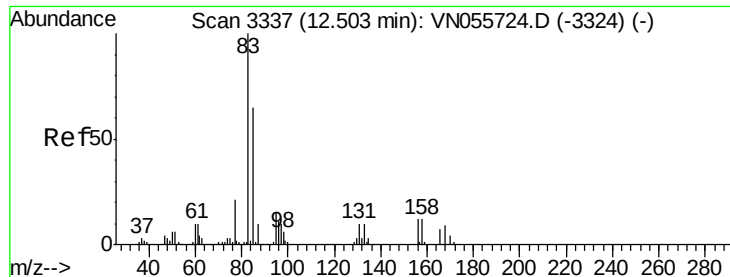
Tot Ion:104 Resp: 197246
 Ion Ratio Lower Upper
 104 100
 78 47.8 38.7 58.1
 103 54.5 45.0 67.6



#70
 Isopropylbenzene
 Concen: 20.611 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion:105 Resp: 320111
 Ion Ratio Lower Upper
 105 100
 120 26.5 19.2 35.6

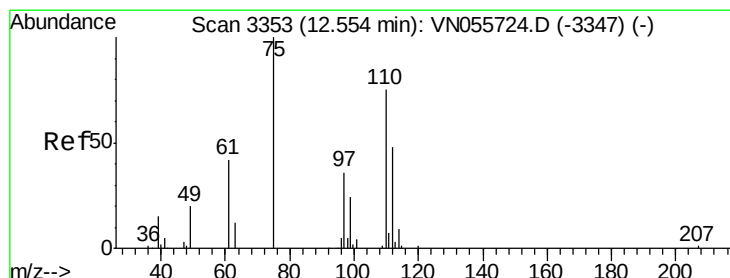
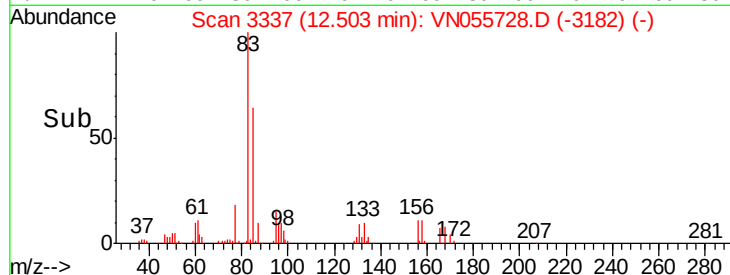
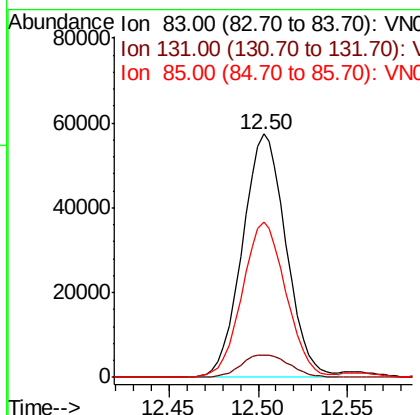
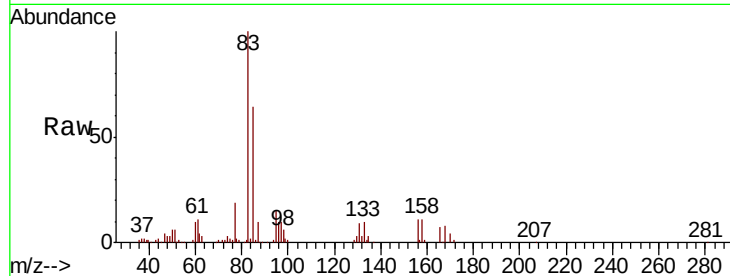




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.589 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

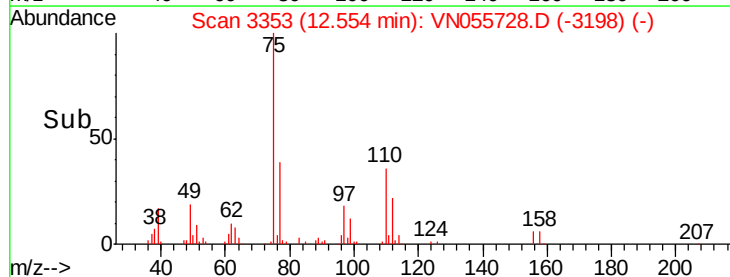
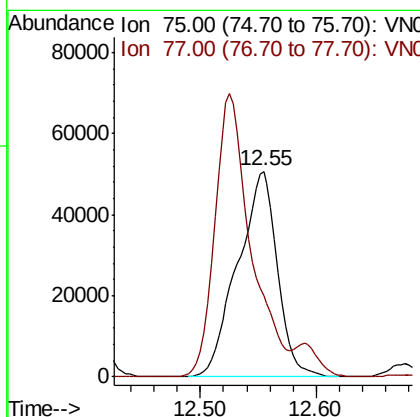
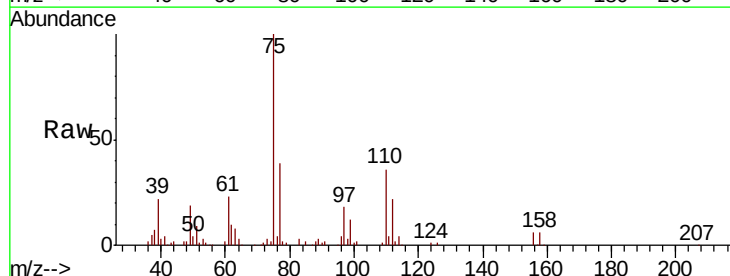
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

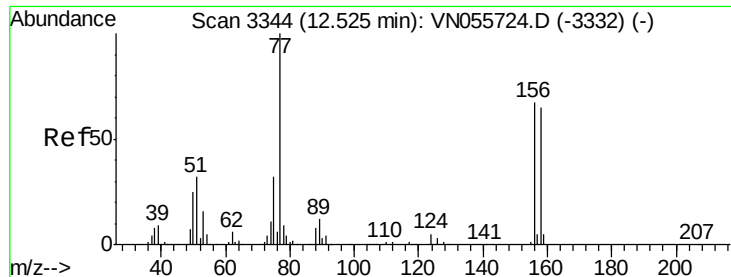
Tot Ion	83	Resp	98413
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	64.0	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 29.465 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	75	Resp	121211
Ion Ratio	Lower	Upper	
75	100		
77	125.1	0.0	349.8





#73

Bromobenzene

Concen: 19.543 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

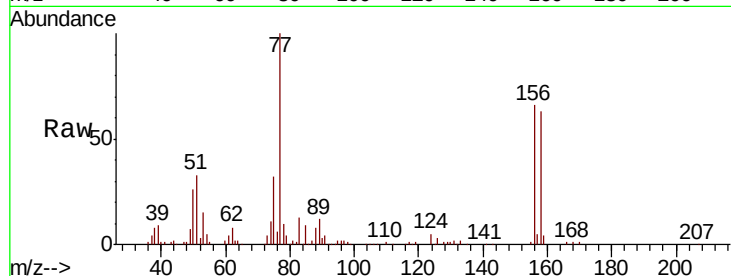
Tot Ion:156 Resp: 80297

Ion Ratio Lower Upper

156 100

77 188.8 0.0 368.0

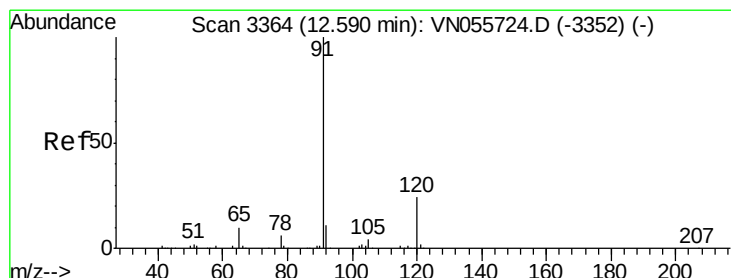
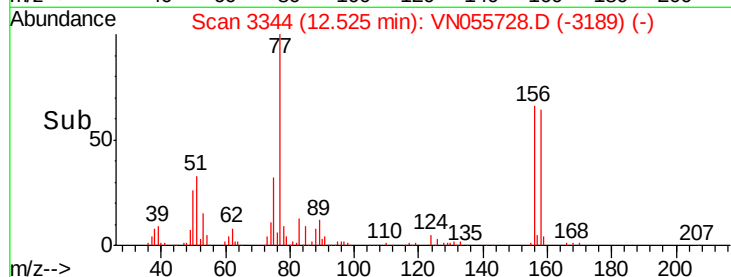
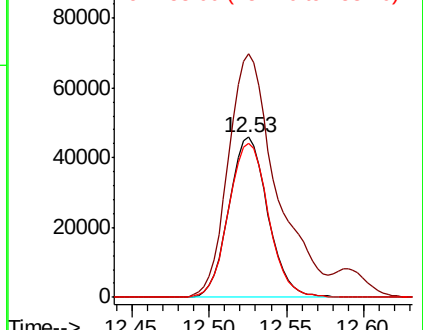
158 98.4 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.231 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055728.D

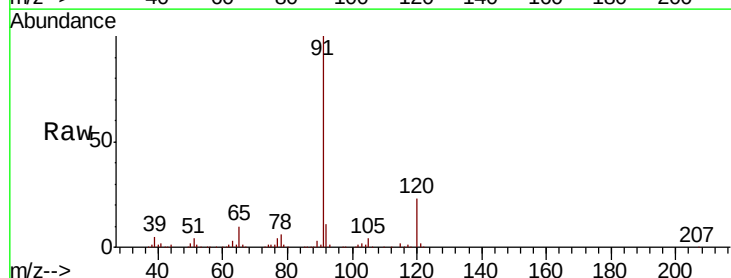
Acq: 22 May 2019 19:27

Tgt Ion: 91 Resp: 338888

Ion Ratio Lower Upper

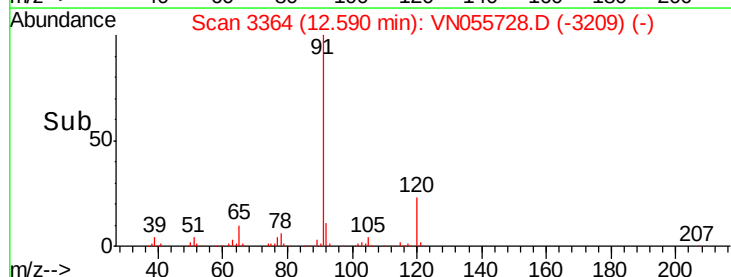
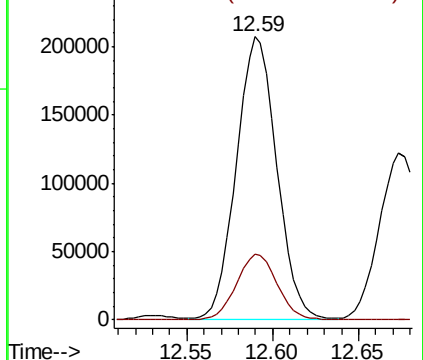
91 100

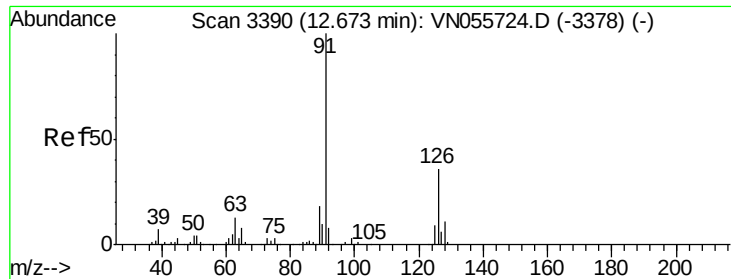
120 23.4 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.330 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

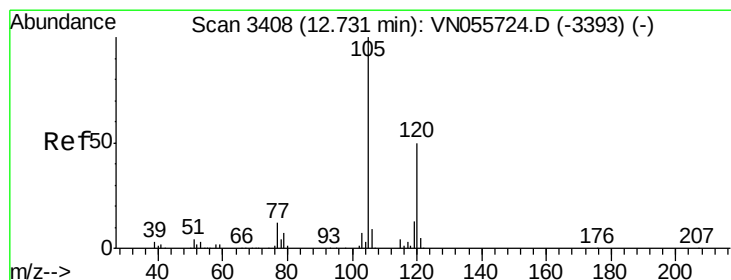
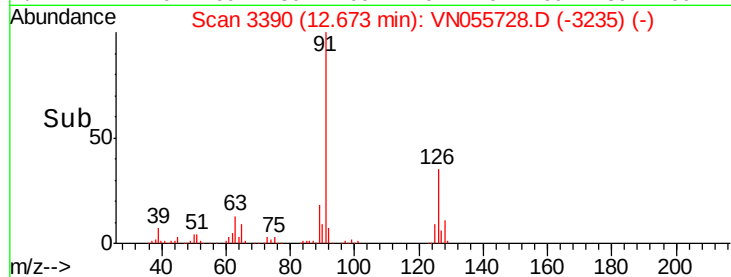
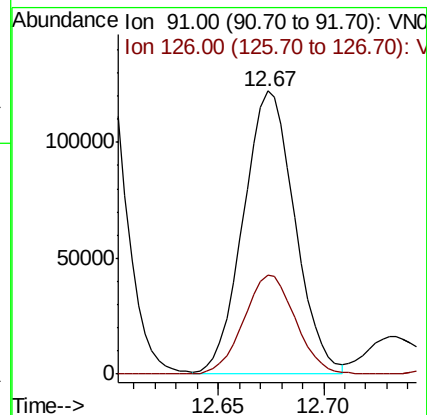
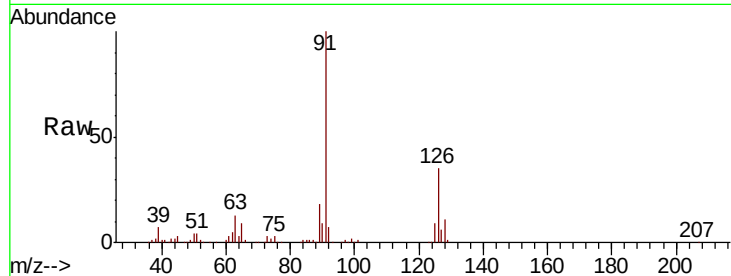
ICVVN052219

Tot Ion: 91 Resp: 208018

Ion Ratio Lower Upper

91 100

126 35.1 0.0 71.0



#76

1,3,5-Trimethylbenzene

Concen: 20.360 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055728.D

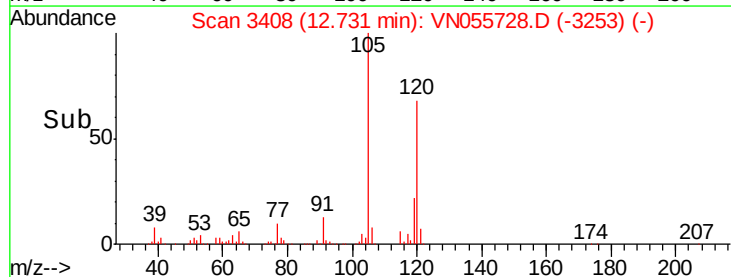
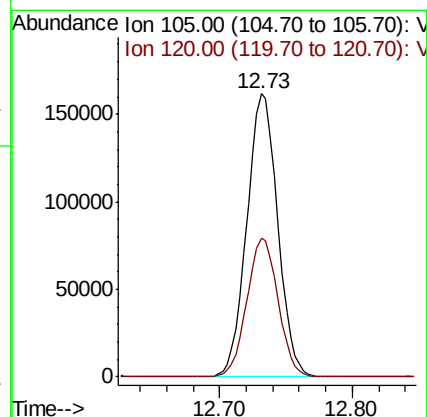
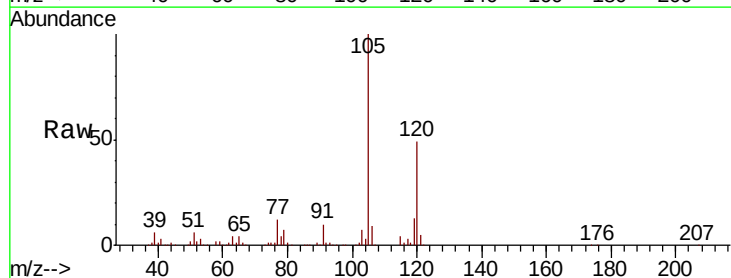
Acq: 22 May 2019 19:27

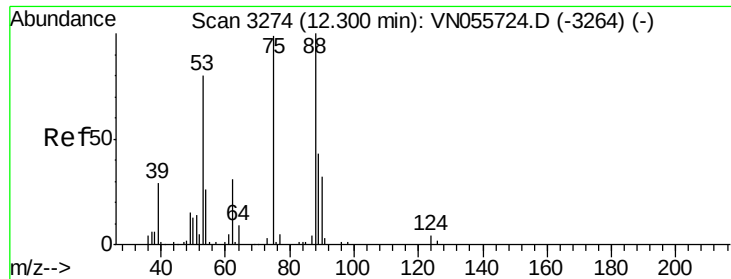
Tgt Ion:105 Resp: 261377

Ion Ratio Lower Upper

105 100

120 49.5 0.0 99.2





#77

t-1,4-Dichloro-2-butene

Concen: 19.140 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

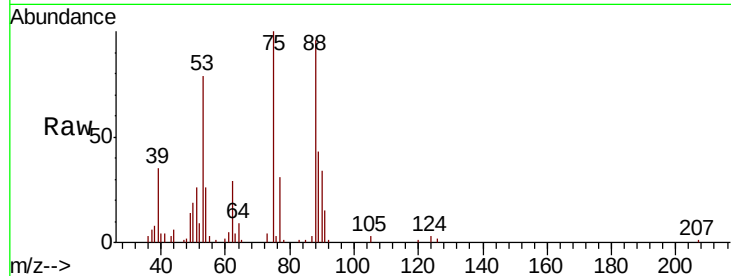
Tot Ion: 75 Resp: 31276

Ion Ratio Lower Upper

75 100

53 78.2 40.1 120.3

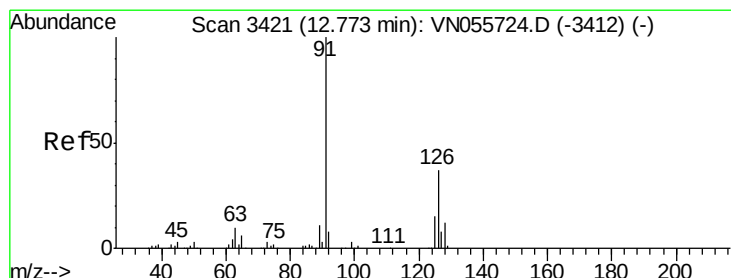
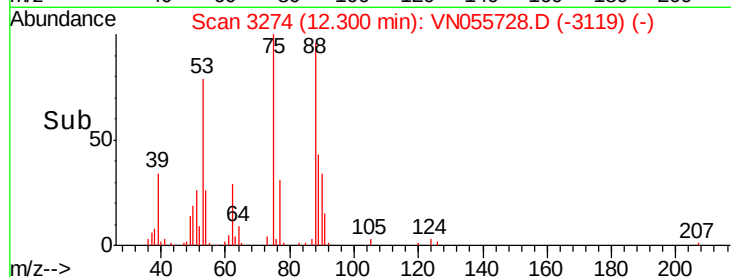
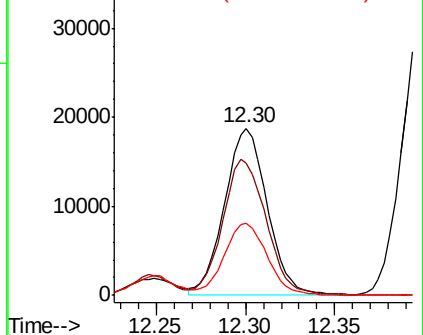
89 42.9 22.6 67.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.029 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055728.D

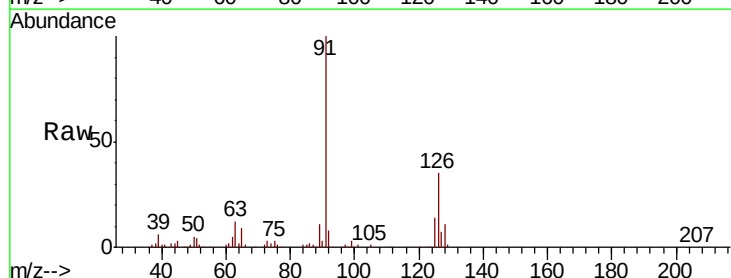
Acq: 22 May 2019 19:27

Tgt Ion: 91 Resp: 194231

Ion Ratio Lower Upper

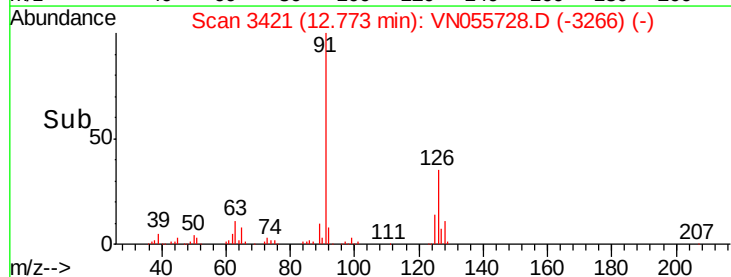
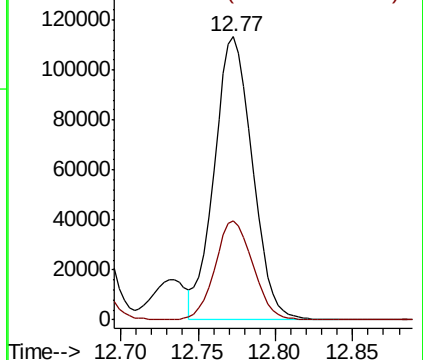
91 100

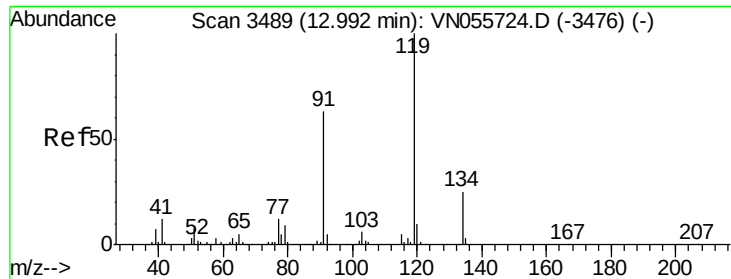
126 34.7 0.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

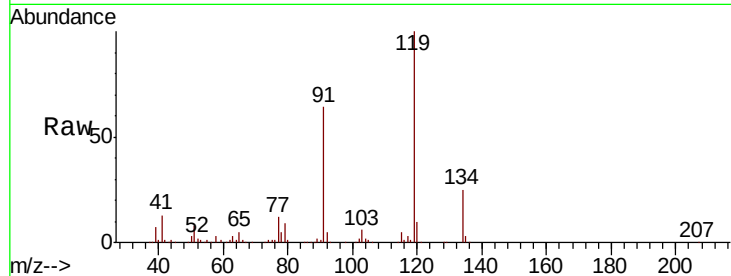




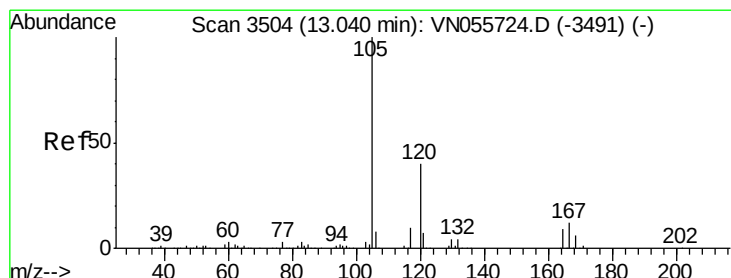
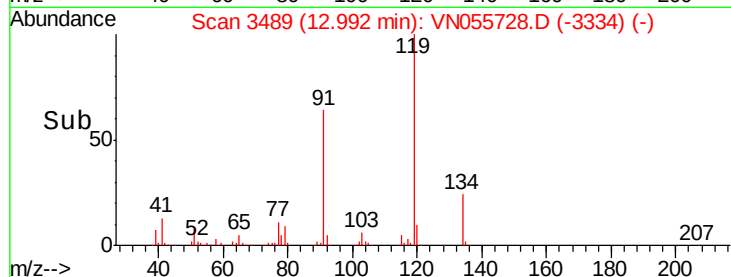
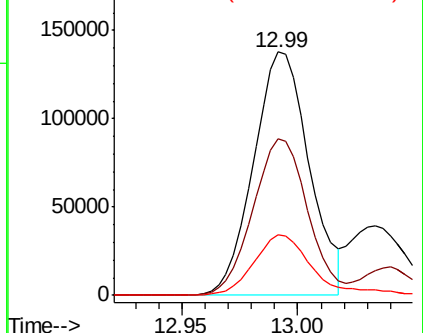
#79
tert-butylbenzene
Concen: 20.420 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion:119 Resp: 230469
Ion Ratio Lower Upper
119 100
91 63.3 0.0 123.8
134 26.3 0.0 52.6

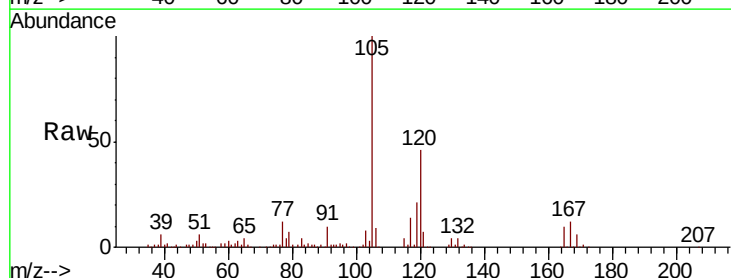


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

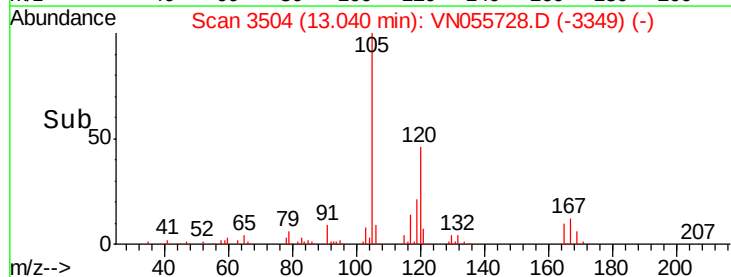
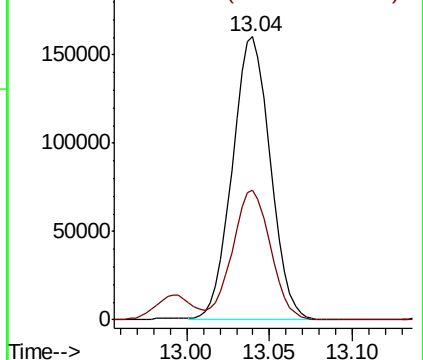


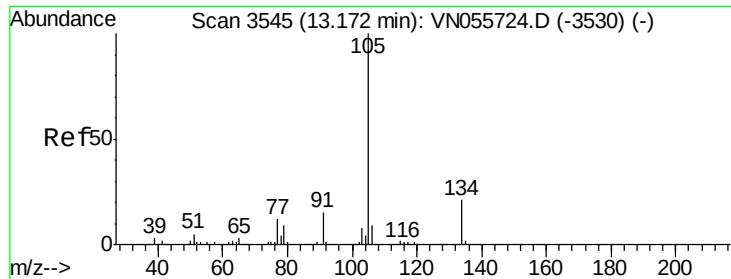
#80
1,2,4-Trimethylbenzene
Concen: 20.098 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion:105 Resp: 256131
Ion Ratio Lower Upper
105 100
120 46.0 0.0 93.6



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





#81

sec-Butylbenzene

Concen: 20.458 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

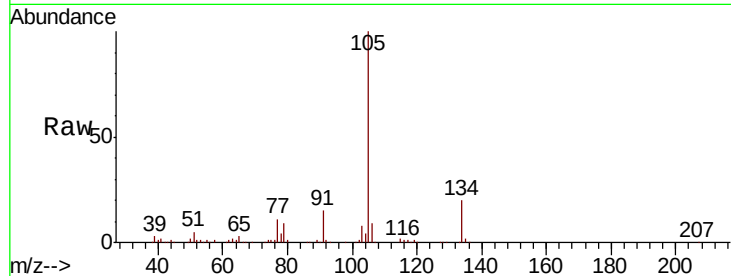
ICVVN052219

Tot Ion:105 Resp: 293366

Ion Ratio Lower Upper

105 100

134 20.4 0.0 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

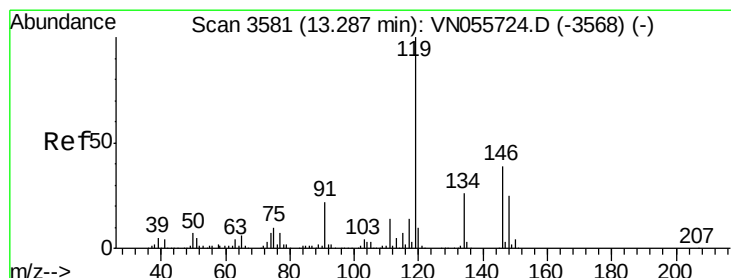
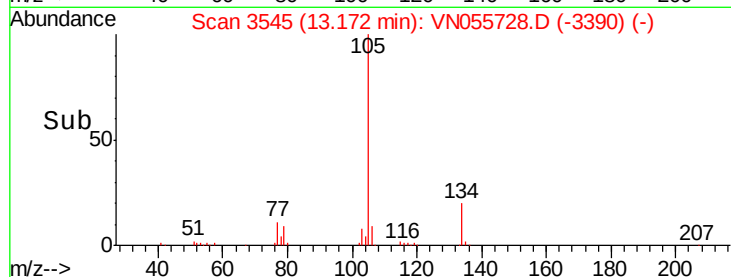
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.950 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

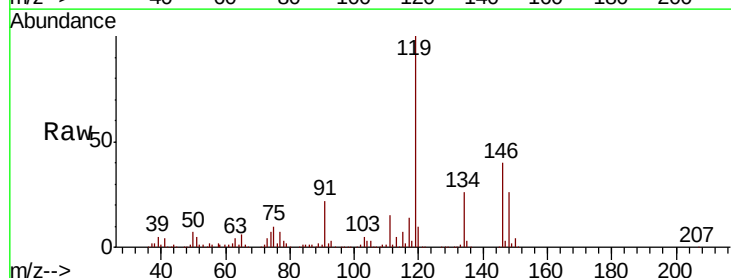
Tgt Ion:119 Resp: 263287

Ion Ratio Lower Upper

119 100

134 26.2 0.0 52.0

91 22.2 0.0 44.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

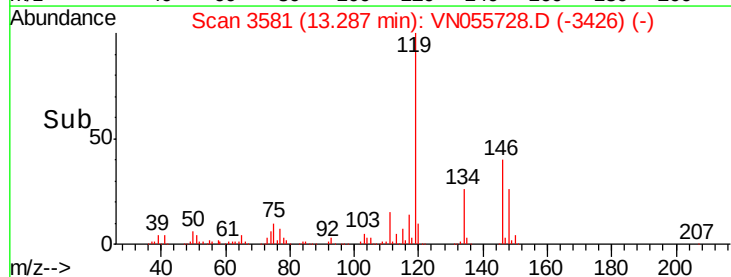
150000

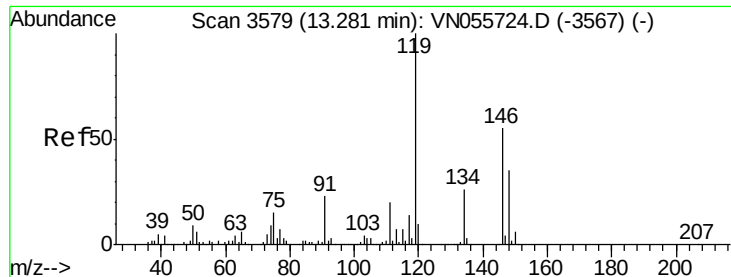
100000

50000

0

Time-->

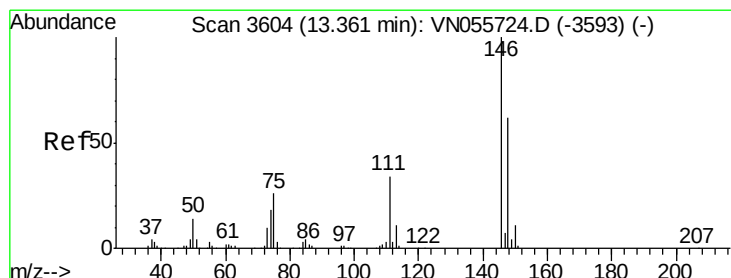
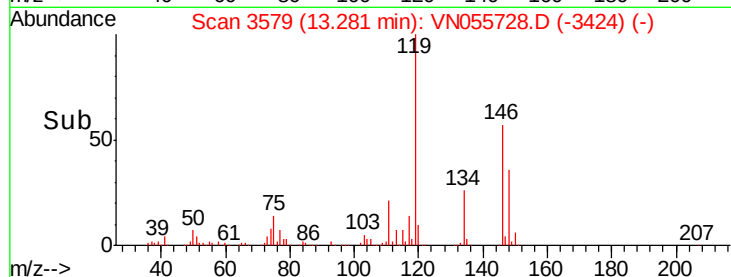
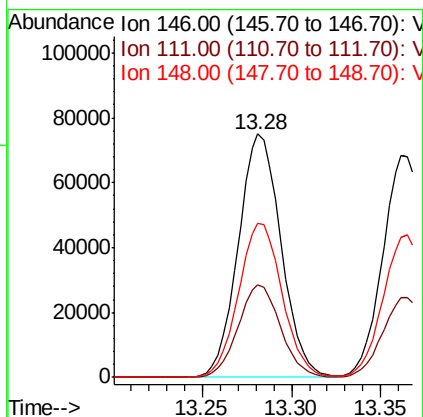
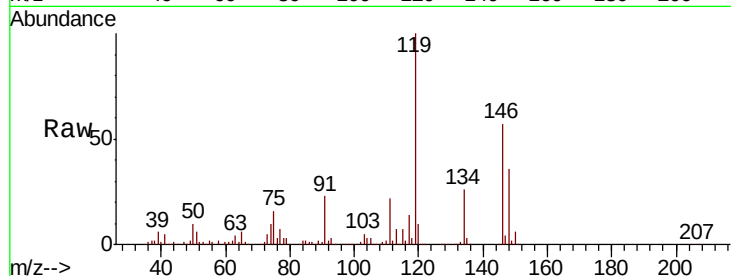




#83
 1,3-Dichlorobenzene
 Concen: 19.438 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

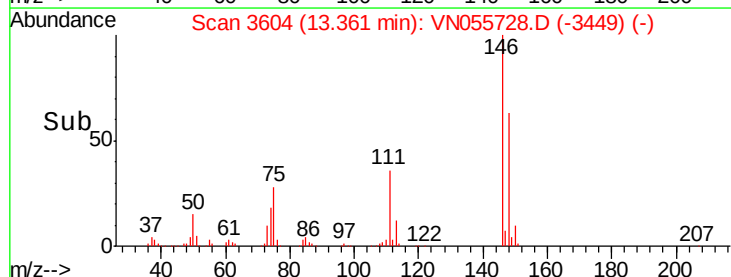
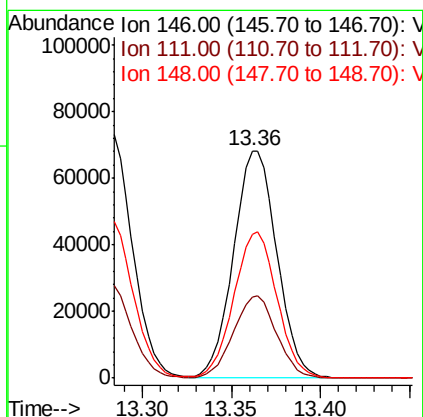
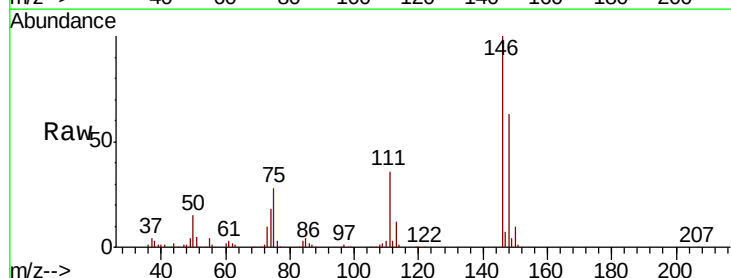
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

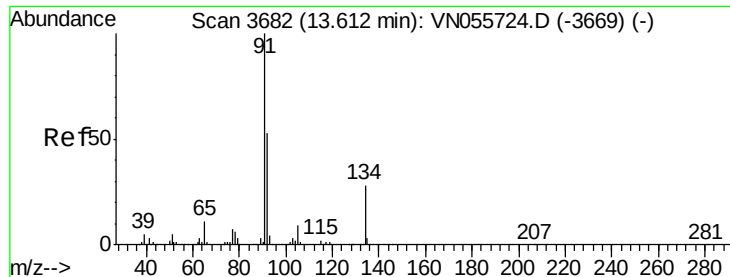
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.6
148	64.5	32.2	96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.907 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.5	52.6
148	64.1	31.8	95.4





#85

n-Butylbenzene

Concen: 19.406 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

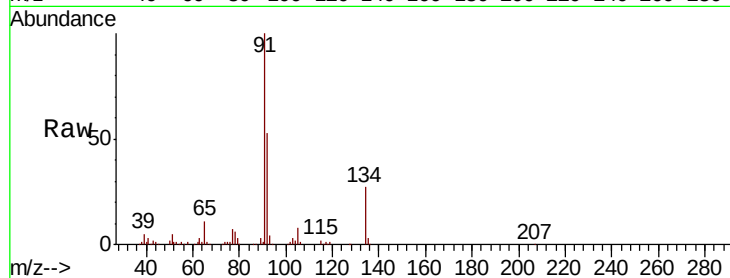
Tot Ion: 91 Resp: 199240

Ion Ratio Lower Upper

91 100

92 52.9 0.0 106.8

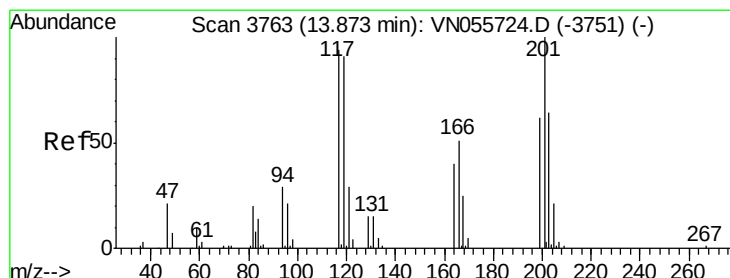
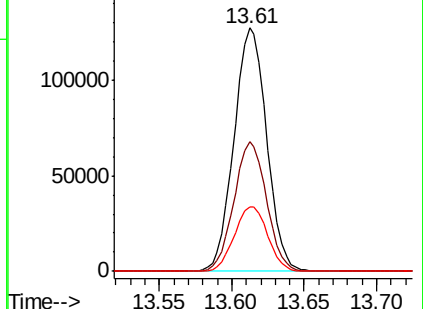
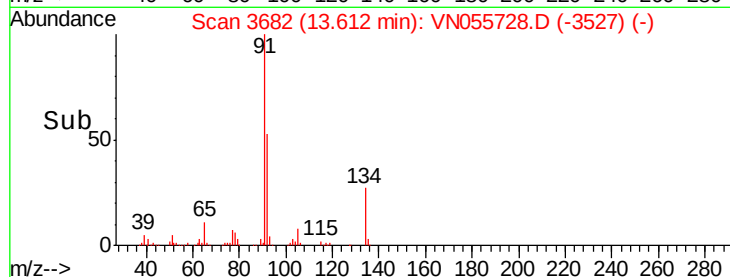
134 27.1 0.0 55.2



Abundance Ion 91.00 (90.70 to 91.70): VN055728.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN055728.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN055728.D (-3669) (-)



#86

Hexachloroethane

Concen: 20.191 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055728.D

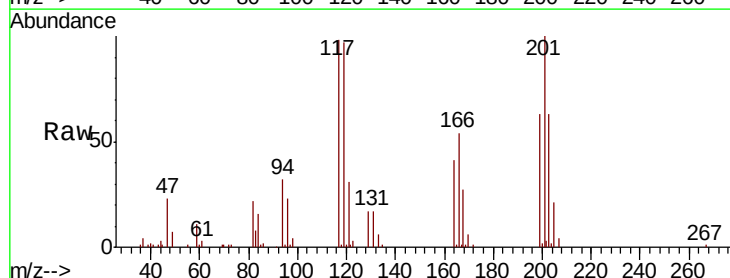
Acq: 22 May 2019 19:27

Tgt Ion: 117 Resp: 52411

Ion Ratio Lower Upper

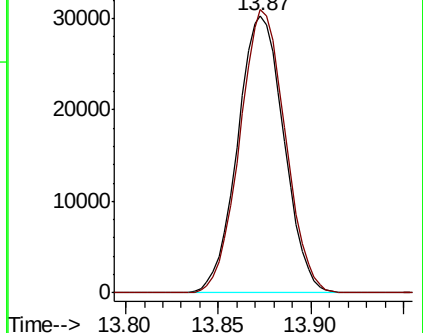
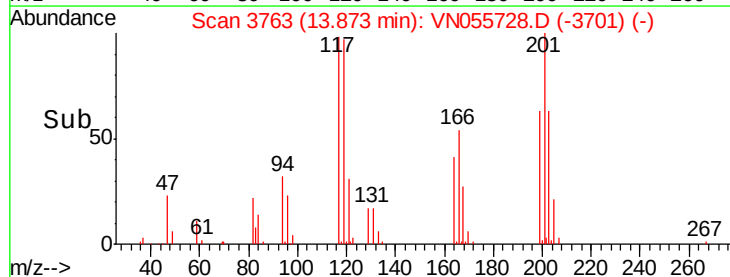
117 100

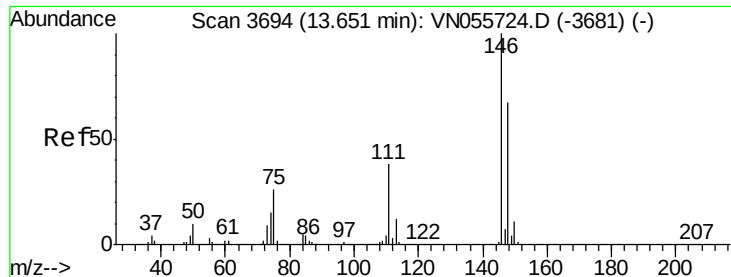
201 100.3 52.5 157.6



Abundance Ion 117.00 (116.70 to 117.70): VN055728.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN055728.D (-3751) (-)

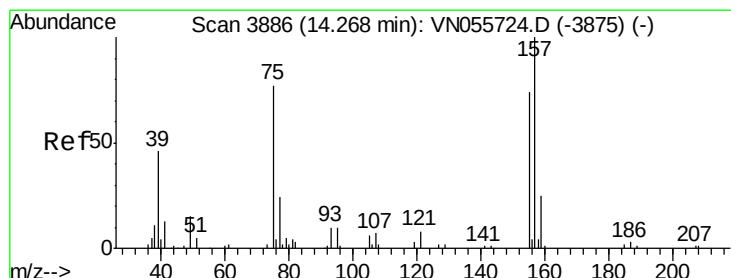
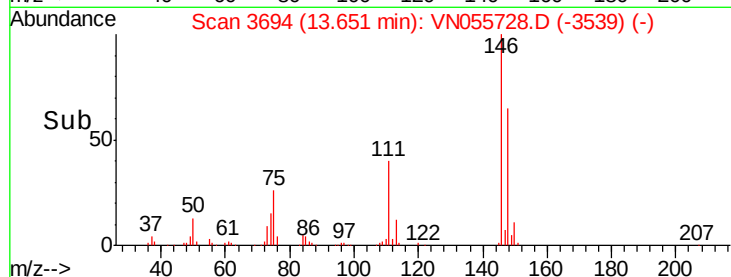
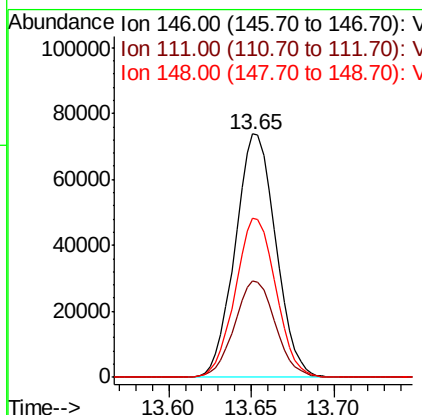
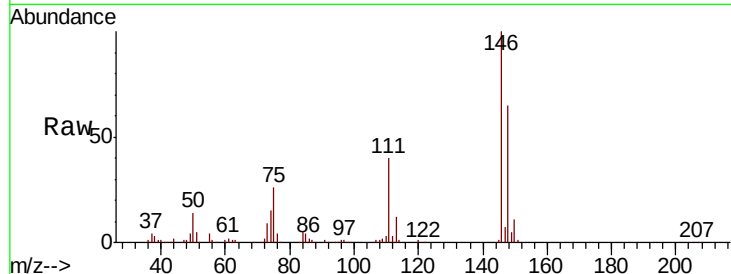




#87
 1,2-Dichlorobenzene
 Concen: 19.440 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

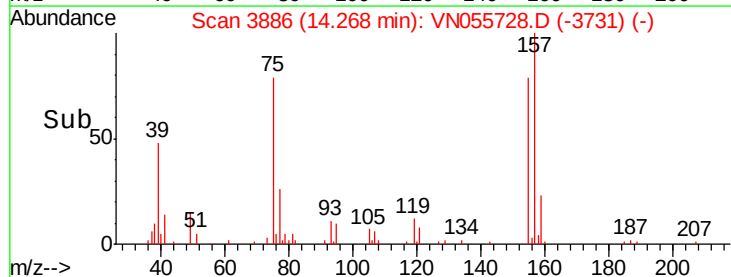
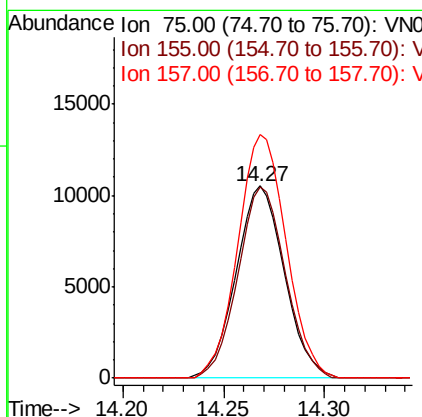
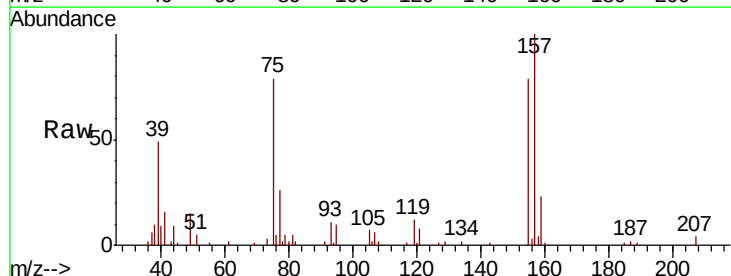
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

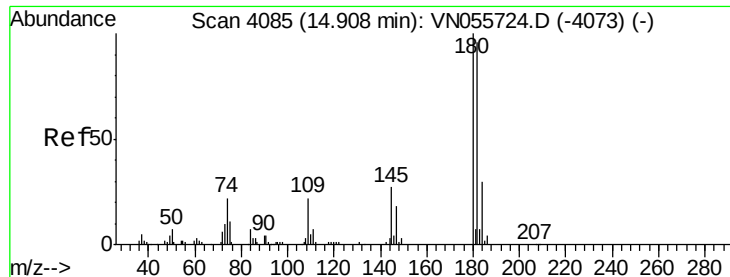
Tot Ion:146 Resp: 126081
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.2 57.6
 148 65.1 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.521 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion: 75 Resp: 17684
 Ion Ratio Lower Upper
 75 100
 155 97.4 78.4 117.6
 157 126.8 105.0 157.4

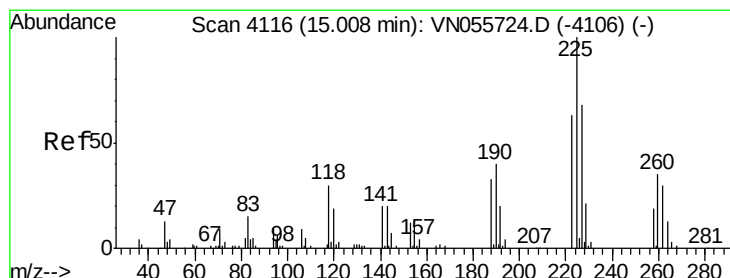
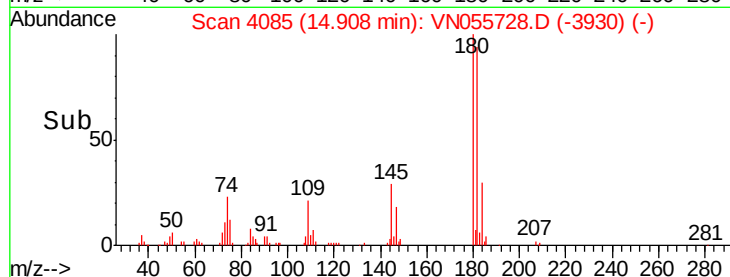
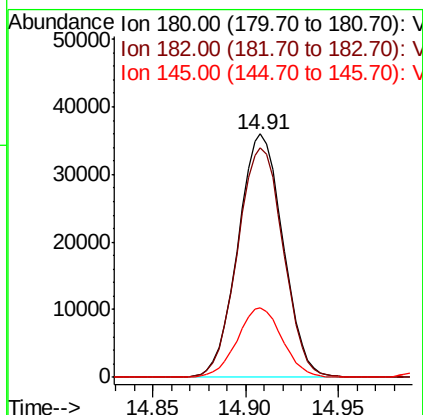
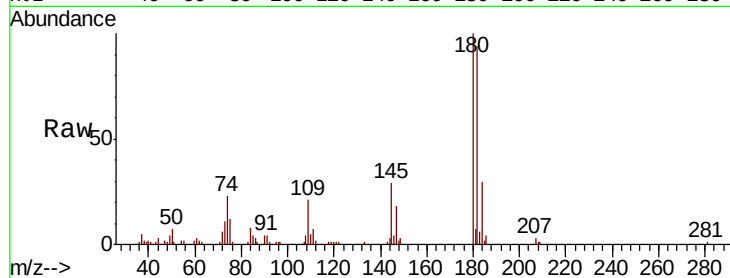




#89
 1,2,4-Trichlorobenzene
 Concen: 17.298 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

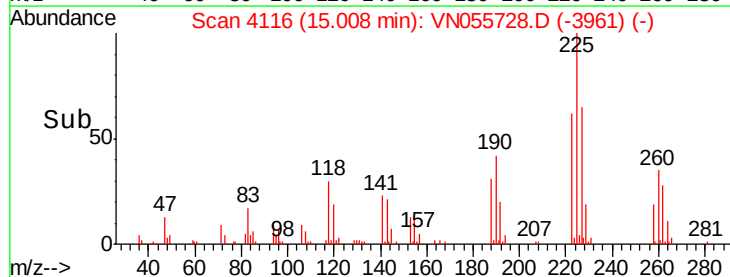
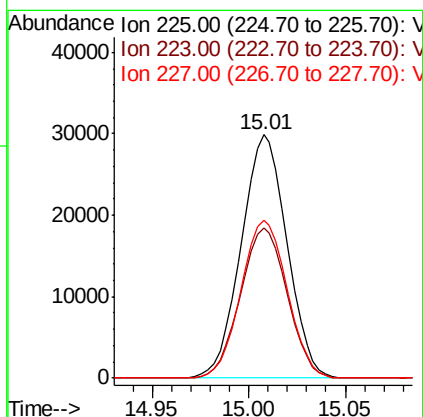
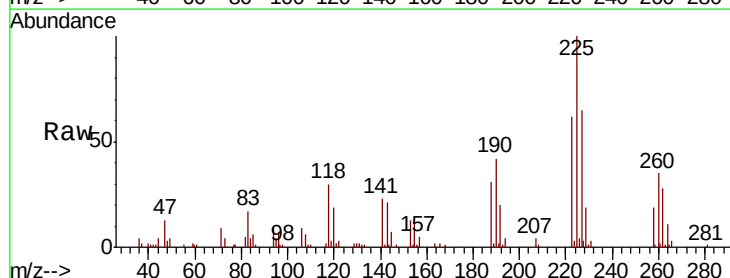
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

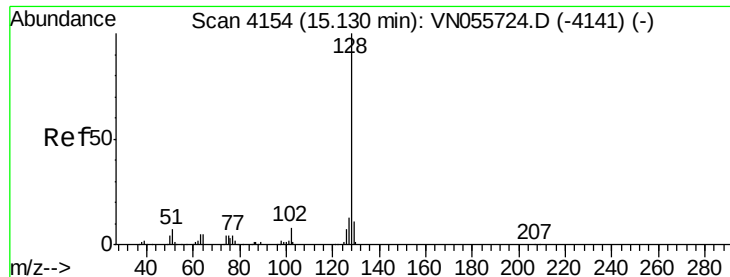
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
145	28.4	21.8	32.8



#90
 Hexachlorobutadiene
 Concen: 18.850 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	126.0
227	65.4	0.0	133.0





#91

Naphthalene

Concen: 18.543 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

ICVVN052219

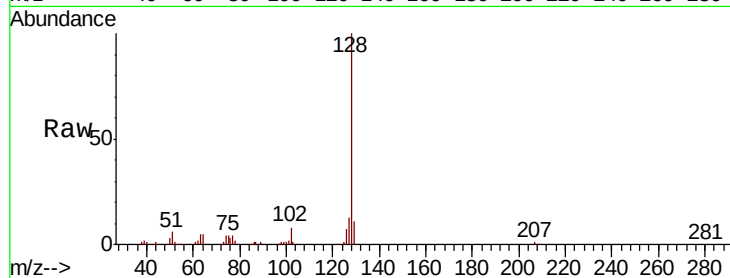
Tot Ion:128 Resp: 177375

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

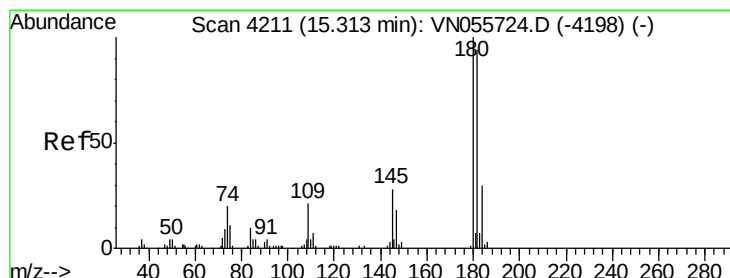
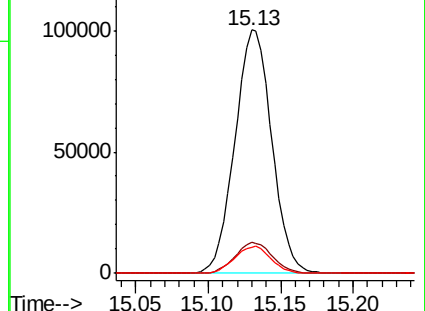
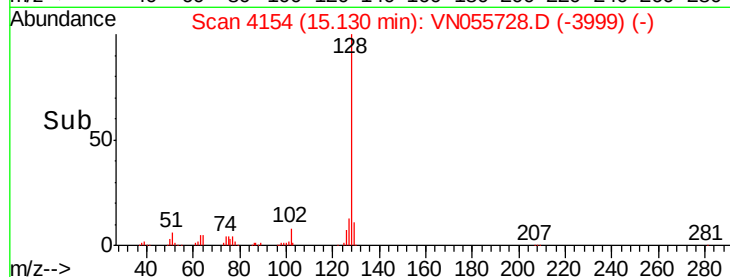
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.240 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

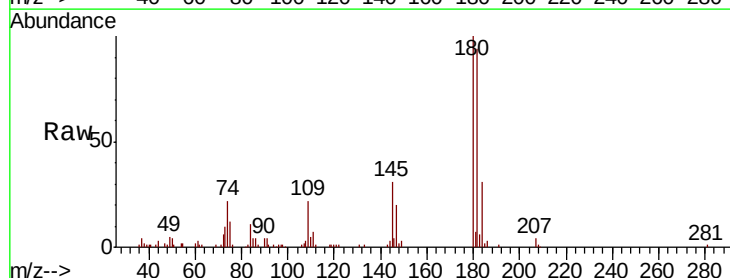
Tgt Ion:180 Resp: 66740

Ion Ratio Lower Upper

180 100

182 94.7 0.0 188.6

145 30.7 0.0 56.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

