

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056020.D
 Acq On : 5 Jun 2019 21:23
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

Quant Time: Jun 06 04:11:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53877	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	293456	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	258928	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	101292	30.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.93%
60) 4-Bromofluorobenzene	12.40	95	111698	29.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.00%
63) Toluene-d8	10.09	98	354146	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	64273	21.210	ug/l 97
3) Chloromethane	2.06	50	75700	21.381	ug/l 97
4) Vinyl Chloride	2.18	62	75545	20.928	ug/l 99
5) Bromomethane	2.53	94	50631	22.318	ug/l 99
6) Chloroethane	2.68	64	43077	21.097	ug/l 97
7) Trichlorofluoromethane	3.00	101	90998	20.374	ug/l 98
8) Diethyl Ether	3.40	74	38841	20.505	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55923	20.284	ug/l 89
10) 1,1-Dichloroethene	3.72	96	58464	20.788	ug/l 98
11) Methyl Iodide	3.94	142	81849	18.446	ug/l 98
12) Methyl Acetate	4.33	43	69102	20.447	ug/l 99
13) Acrolein	3.60	56	18132	110.076	ug/l 95
14) Acrylonitrile	4.99	53	155214	102.988	ug/l 99
15) Acetone	3.82	58	47670	96.601	ug/l 96
16) Carbon Disulfide	4.04	76	136703	20.429	ug/l 99
17) Allyl chloride	4.31	41	88098	20.218	ug/l 98
18) Methylene Chloride	4.54	84	66805	20.518	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	61106	20.355	ug/l 97
20) Diisopropyl ether	5.95	45	182344	20.197	ug/l 98
21) 1,1-Dichloroethane	5.84	63	106841	20.363	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	72586	20.716	ug/l 99
23) tert-Butyl Alcohol	4.82	59	57546	98.096	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	182473	20.359	ug/l 100
25) Chloroform	7.37	83	108042	20.622	ug/l 99
26) Cyclohexane	7.65	56	98207	20.176	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	80432	20.263	ug/l 99
30) 2-Butanone	6.84	43	211245	101.087	ug/l 99
31) 2,2-Dichloropropane	6.82	77	69947	18.942	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	88420	20.161	ug/l 99
33) Carbon Tetrachloride	7.77	117	73221	19.706	ug/l 99
34) Benzene	8.04	78	257208	20.336	ug/l 99
35) Methacrylonitrile	7.17	41	33876	19.197	ug/l 94
36) 1,2-Dichloroethane	8.12	62	81492	20.570	ug/l 99
37) Trichloroethene	8.83	130	71711	20.262	ug/l 98
38) Methylcyclohexane	9.08	83	101331	20.136	ug/l 97
39) 1,2-Dichloropropane	9.12	63	66053	20.392	ug/l 98
40) Dibromomethane	9.21	93	43746	20.368	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	75464	19.622	ug/l	99
42) Vinyl Acetate	5.90	43	756875	101.591	ug/l	100
43) Ethyl Acetate	6.93	43	80558	20.142	ug/l	93
44) Isopropyl Acetate	8.17	43	123024	19.811	ug/l	97
45) 1,4-Dioxane	9.21	88	26464	398.387	ug/l	91
46) Methyl methacrylate	9.20	41	59987	19.445	ug/l	99
47) n-amyl Acetate	12.07	43	101520	19.769	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	76719	18.955	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	92784	19.578	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	64177	20.118	ug/l	99
51) Ethyl methacrylate	10.43	69	96151	19.923	ug/l	99
52) 1,3-Dichloropropane	10.71	76	104523	20.210	ug/l	99
53) Dibromochloromethane	10.90	129	59440	19.034	ug/l	98
54) 1,2-Dibromoethane	11.00	107	66070	19.848	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	161341	95.442	ug/l	99
56) Bromoform	12.13	173	41718	18.467	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	400958	102.264	ug/l	100
59) 2-Hexanone	10.75	43	283375	101.119	ug/l	98
61) Tetrachloroethene	10.63	164	74305	20.590	ug/l	98
62) Toluene	10.16	91	281541	20.142	ug/l	99
64) Chlorobenzene	11.43	112	173096	20.416	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	61160	20.005	ug/l	98
66) Ethyl Benzene	11.51	91	300822	20.206	ug/l	99
67) m/p-Xylenes	11.62	106	229964	40.355	ug/l	98
68) o-Xylene	11.95	106	113369	20.321	ug/l	98
69) Styrene	11.96	104	178709	19.716	ug/l	99
70) Isopropylbenzene	12.25	105	298570	20.484	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	89933	20.465	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	101704	26.733	ug/l	71
73) Bromobenzene	12.53	156	78518	20.294	ug/l	99
74) n-propylbenzene	12.59	91	309507	20.121	ug/l	100
75) 2-Chlorotoluene	12.67	91	196057	20.549	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	242416	20.219	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19191	17.679	ug/l	100
78) 4-Chlorotoluene	12.77	91	178372	20.018	ug/l	100
79) tert-butylbenzene	12.99	119	218973	20.614	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	235625	20.202	ug/l	99
81) sec-Butylbenzene	13.17	105	274746	20.446	ug/l	100
82) p-Isopropyltoluene	13.29	119	244596	20.132	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	118377	19.633	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	108699	18.926	ug/l	100
85) n-Butylbenzene	13.61	91	171469	18.910	ug/l	99
86) Hexachloroethane	13.87	117	35847	18.926	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	122684	20.018	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13035	18.896	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	50681	20.345	ug/l	98
90) Hexachlorobutadiene	15.01	225	45204	20.204	ug/l	98
91) Naphthalene	15.13	128	150879	18.536	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	60306	18.798	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

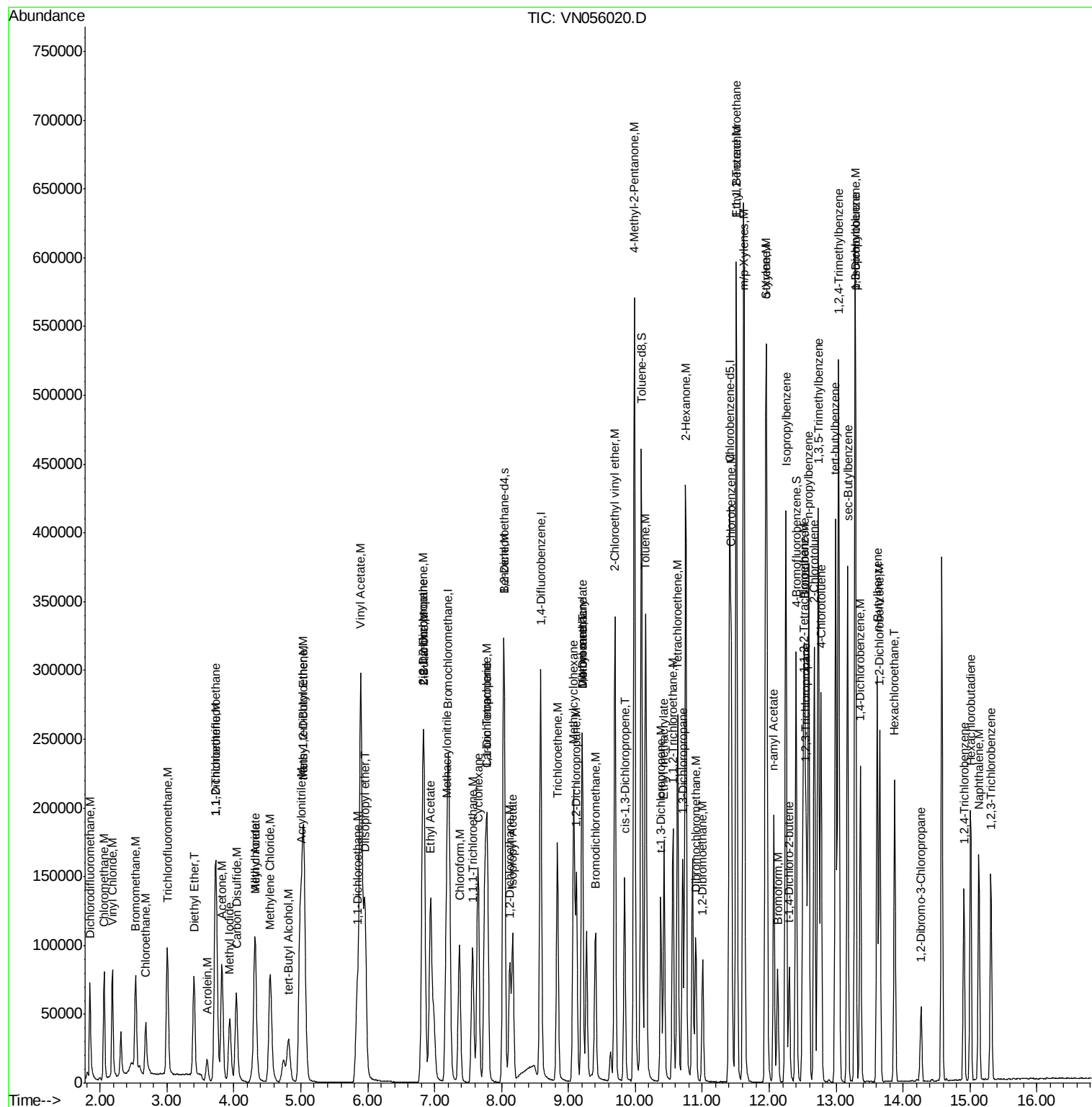
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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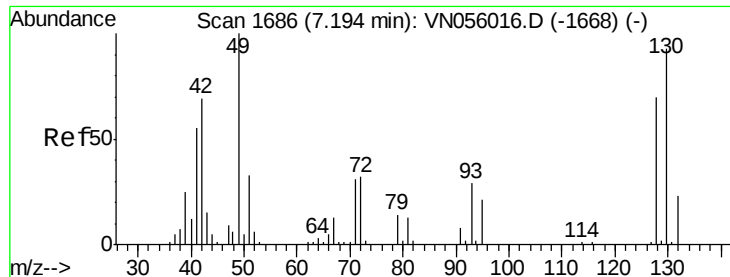
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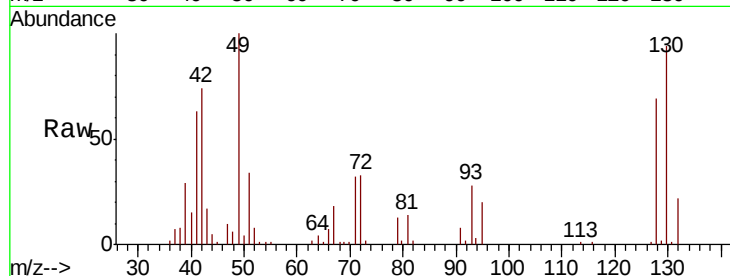




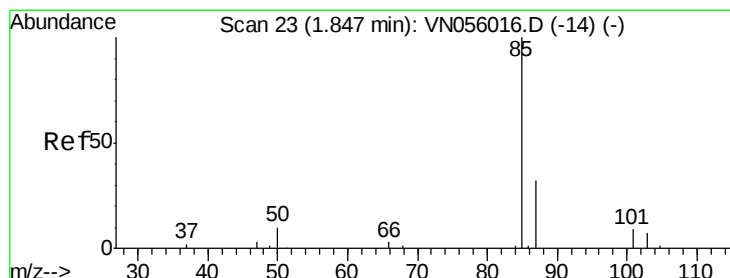
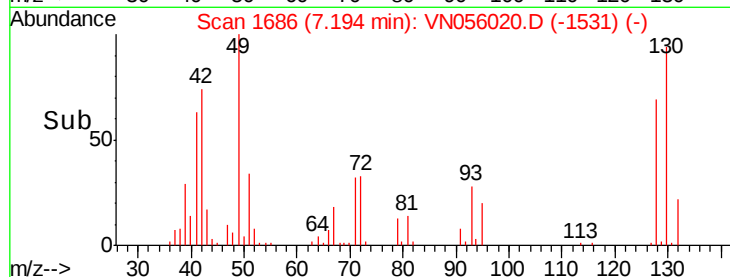
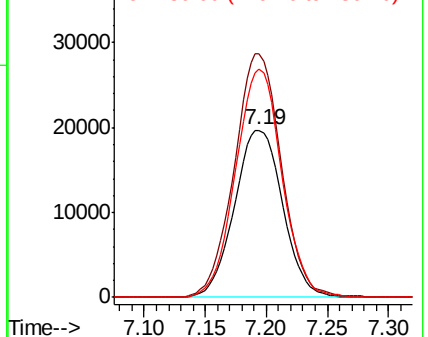
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

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MSVOA_N
ClientSampleId :
ICVVN060619

Tot Ion:128 Resp: 53877
Ion Ratio Lower Upper
128 100
49 142.6 0.0 355.8
130 131.4 0.0 326.3

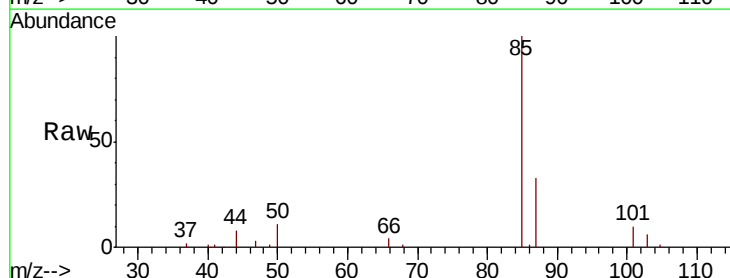


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

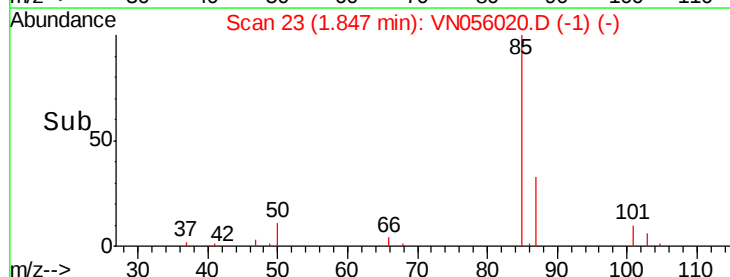
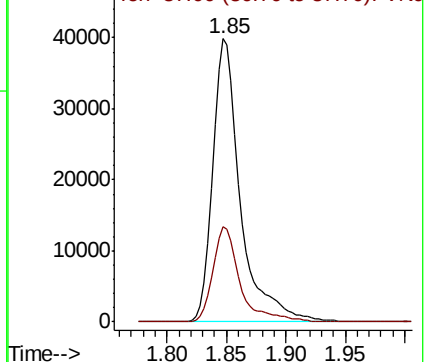


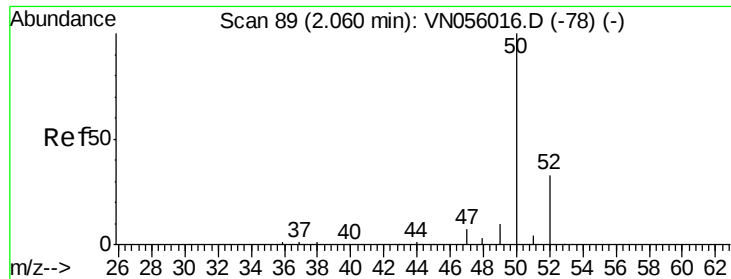
#2
Dichlorodifluoromethane
Concen: 21.210 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 85 Resp: 64273
Ion Ratio Lower Upper
85 100
87 33.5 15.9 47.7



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





#3

Chloromethane

Concen: 21.381 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

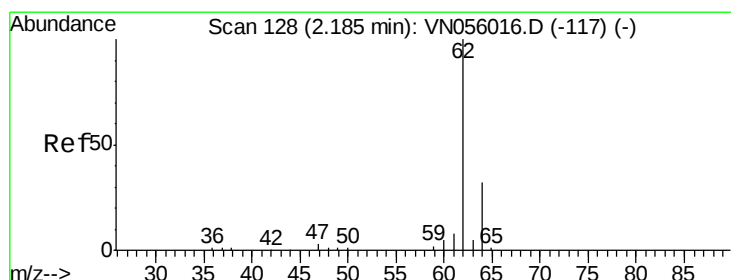
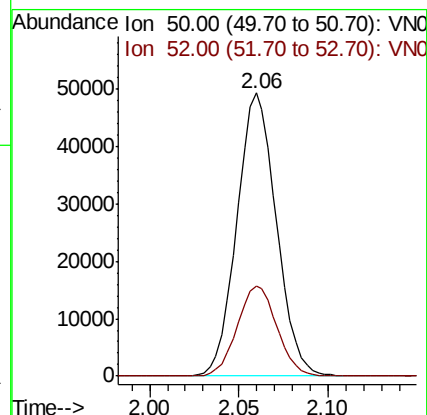
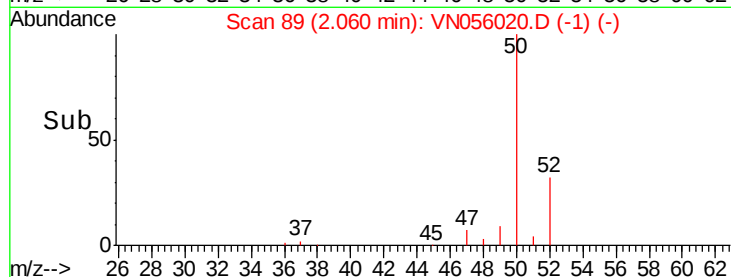
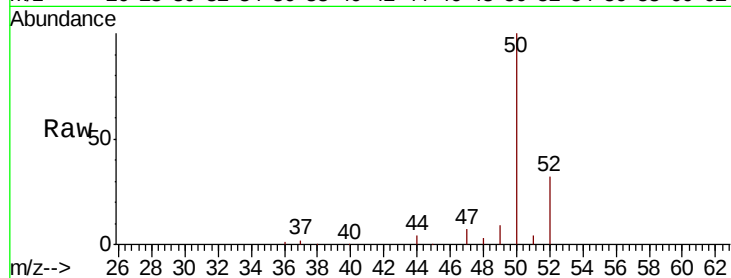
ICV060619

Tot Ion: 50 Resp: 75700

Ion Ratio Lower Upper

50 100

52 32.0 26.7 40.1



#4

Vinyl Chloride

Concen: 20.928 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056020.D

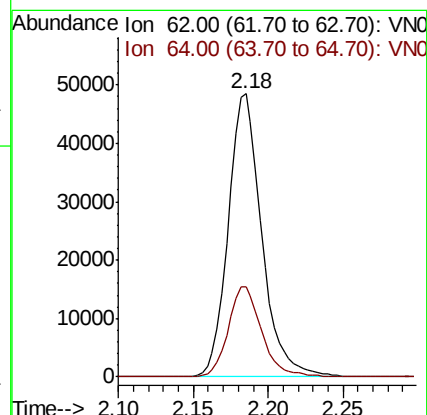
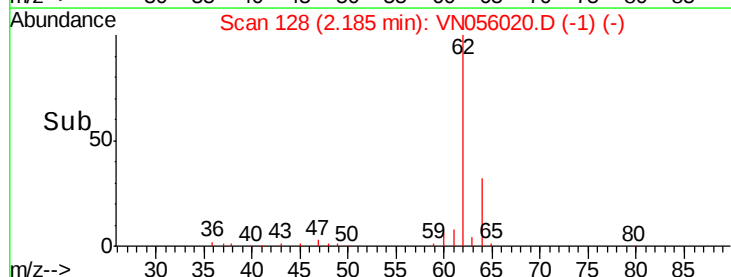
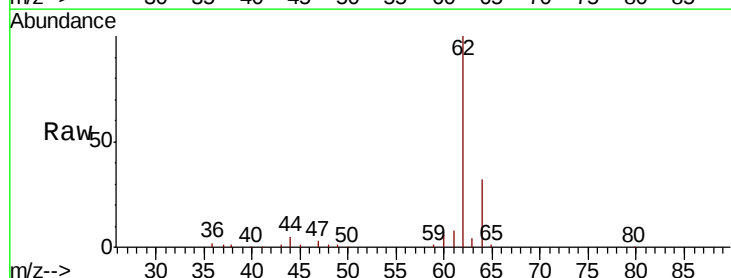
Acq: 5 Jun 2019 21:23

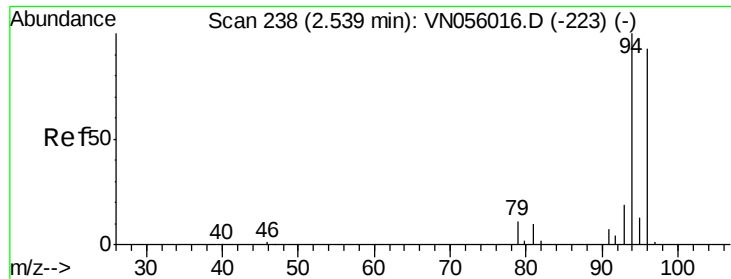
Tgt Ion: 62 Resp: 75545

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8

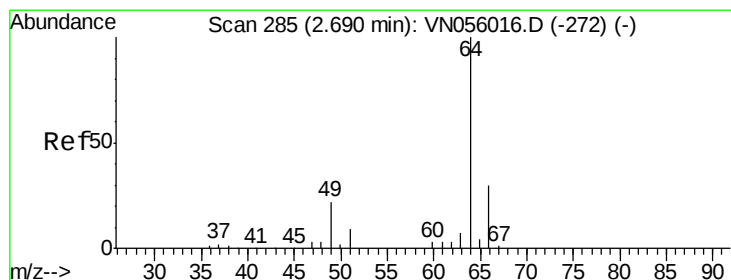
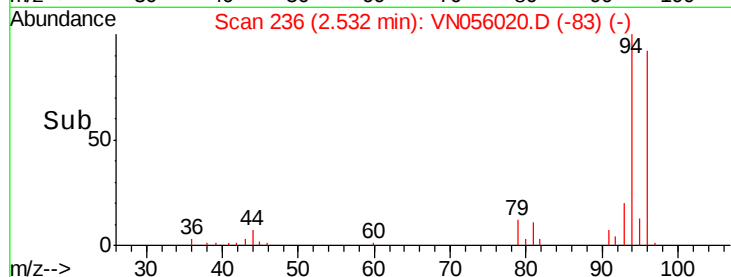
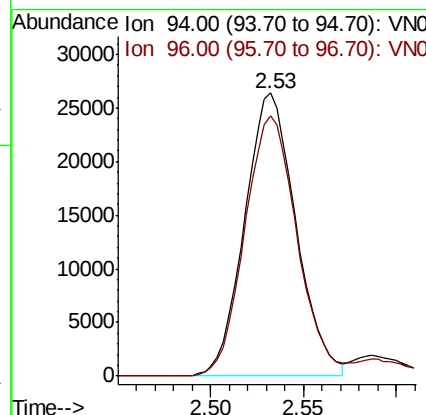
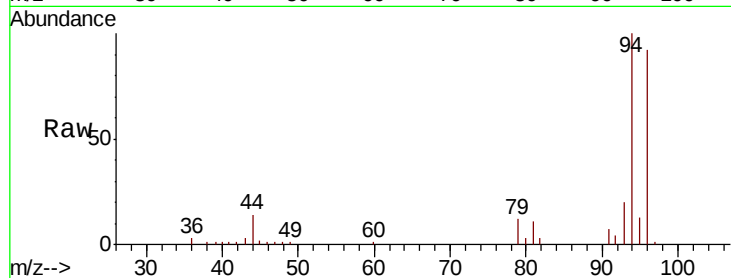




#5
Bromomethane
Concen: 22.318 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

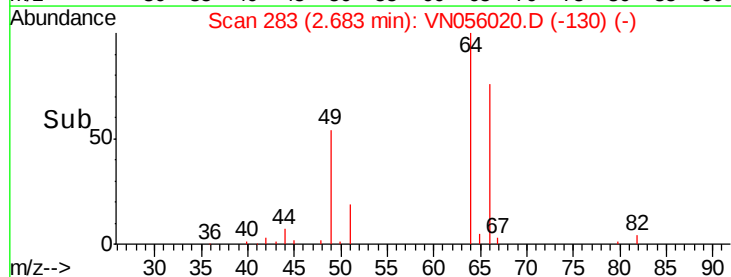
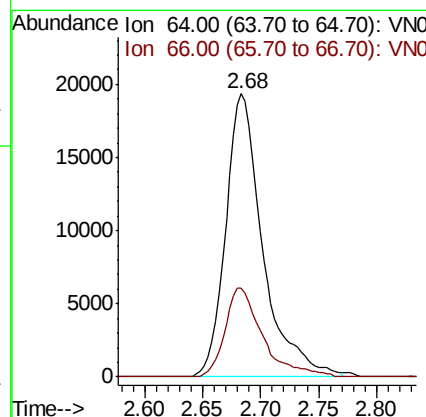
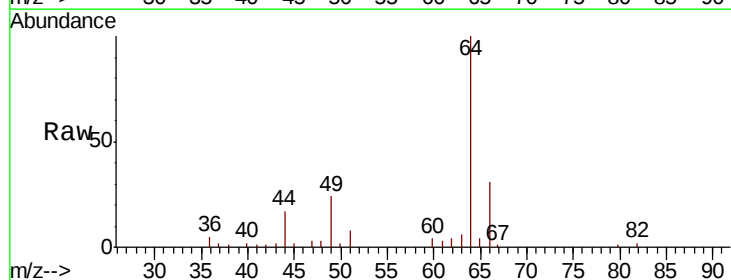
Instrument :
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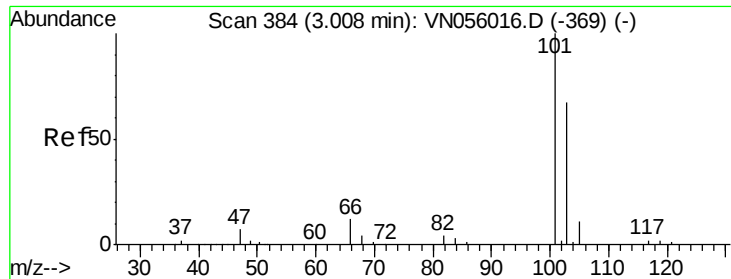
Tot Ion: 94 Resp: 50631
Ion Ratio Lower Upper
94 100
96 91.9 74.1 111.1



#6
Chloroethane
Concen: 21.097 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 64 Resp: 43077
Ion Ratio Lower Upper
64 100
66 31.4 23.7 35.5



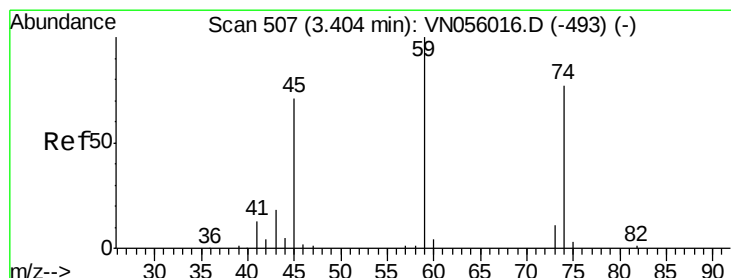
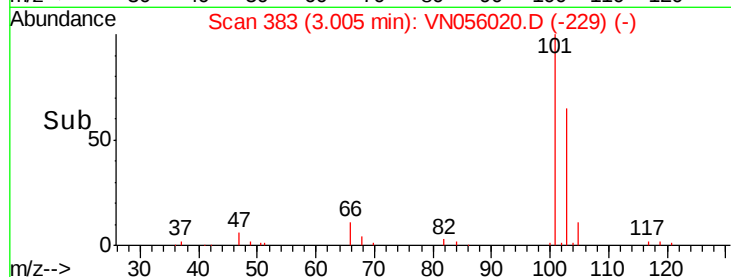
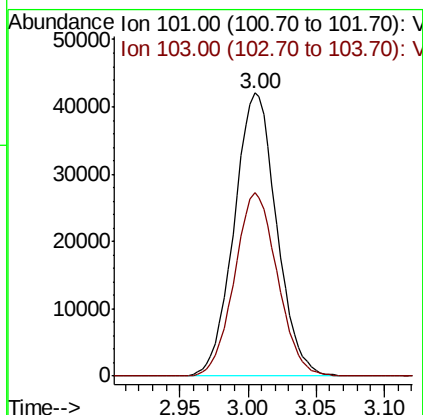
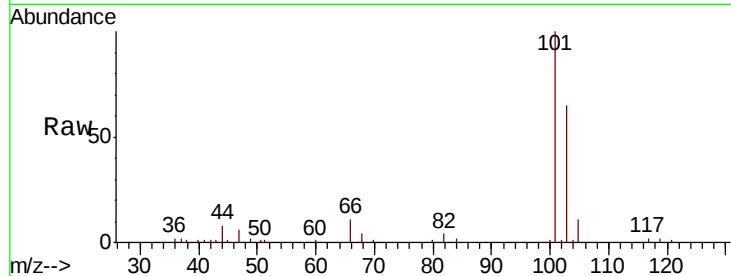


#7

Trichlorofluoromethane
 Concen: 20.374 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056020.D
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Instrument :
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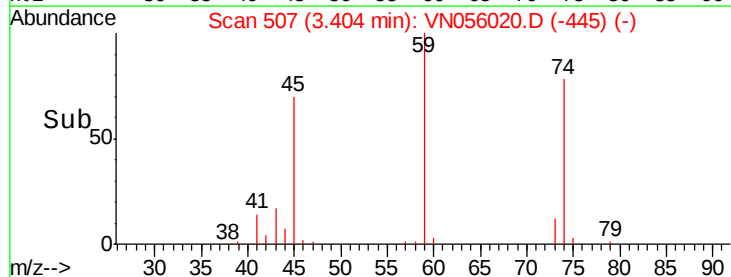
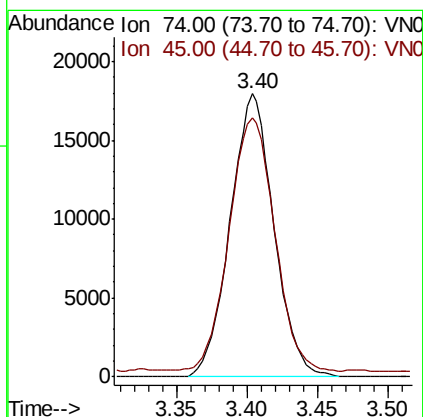
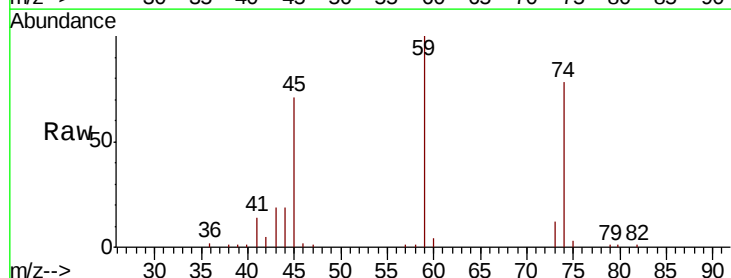
Tot Ion:101 Resp: 90998
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.4 80.0

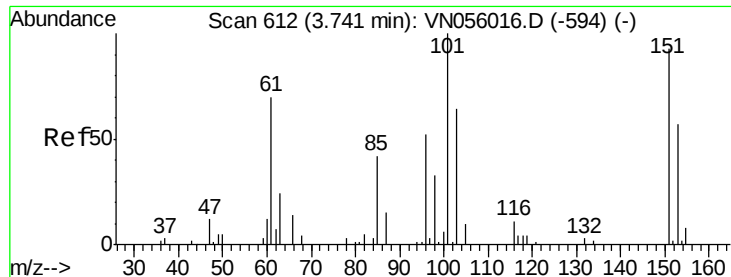


#8

Diethyl Ether
 Concen: 20.505 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion: 74 Resp: 38841
 Ion Ratio Lower Upper
 74 100
 45 93.3 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.284 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

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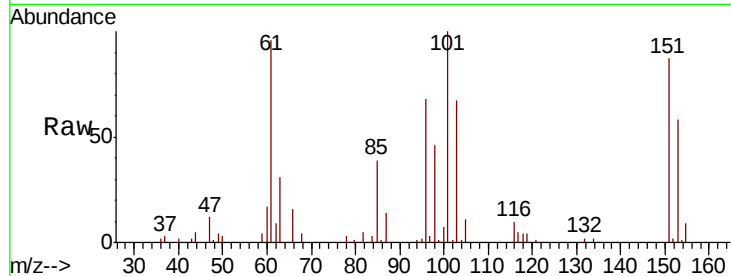
Tot Ion:101 Resp: 55923

Ion Ratio Lower Upper

101 100

85 22.6 0.0 82.0

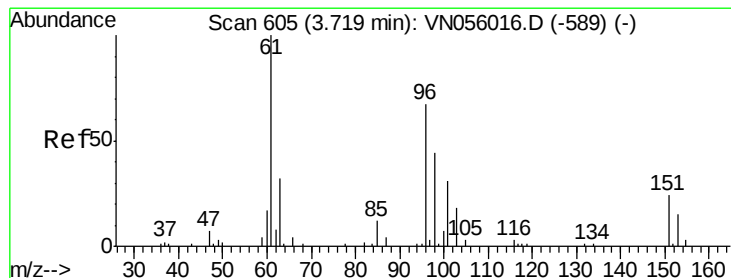
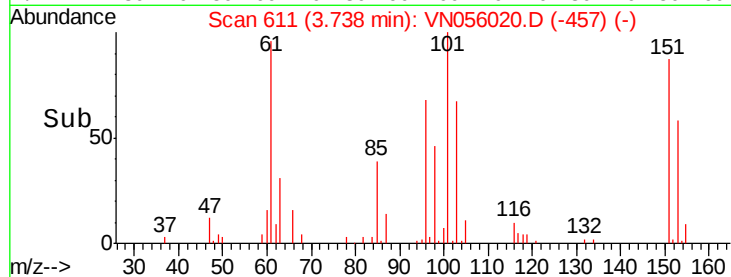
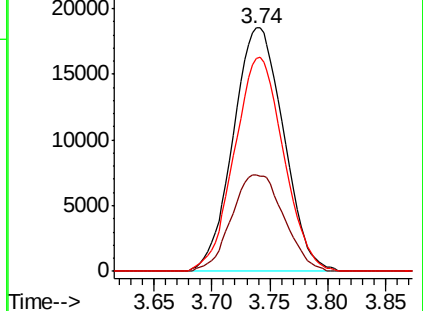
151 86.0 0.0 177.0



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: 20.788 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

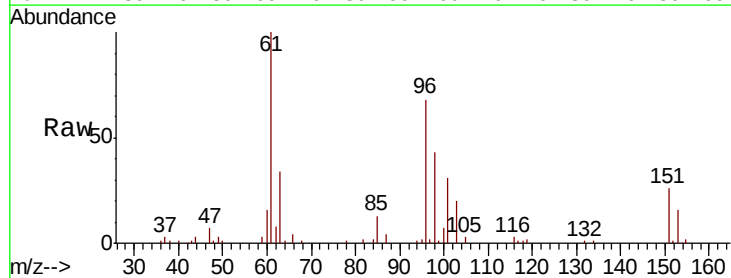
Tgt Ion: 96 Resp: 58464

Ion Ratio Lower Upper

96 100

61 147.3 119.7 179.5

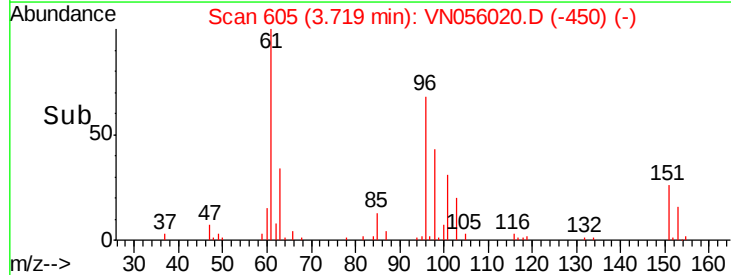
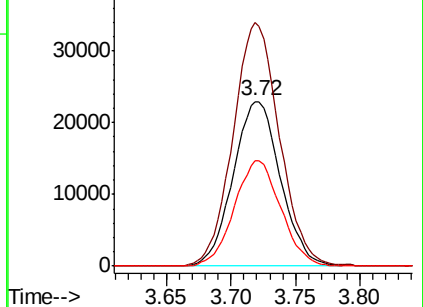
98 64.0 52.3 78.5

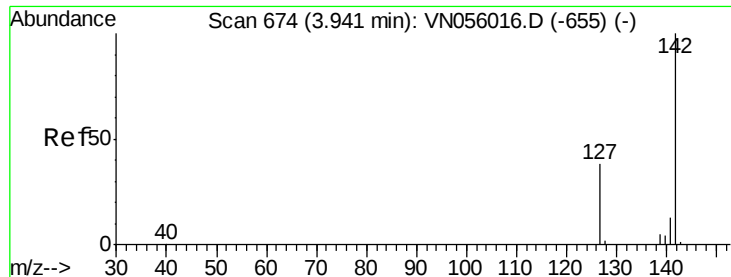


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

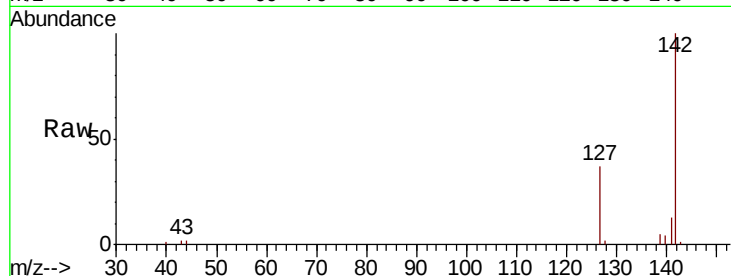




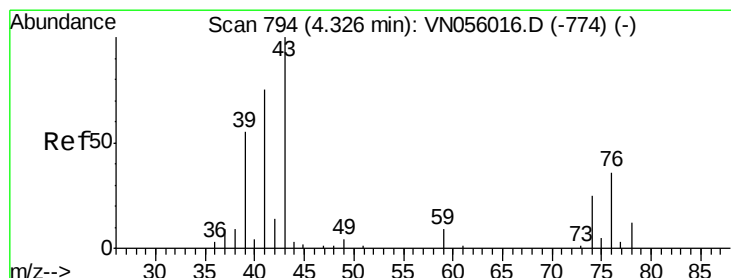
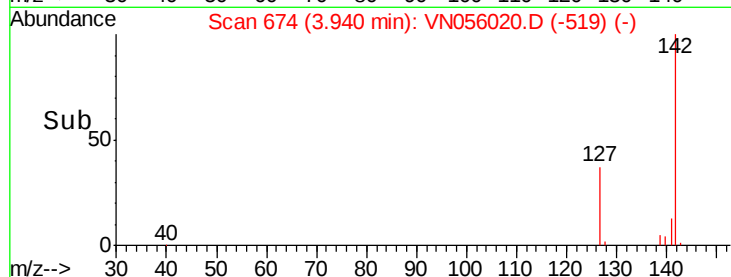
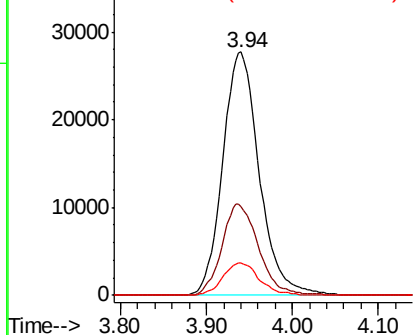
#11
Methvl Iodide
Concen: 18.446 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

Tot Ion:142 Resp: 81849
Ion Ratio Lower Upper
142 100
127 36.7 19.0 57.0
141 13.5 6.7 20.0

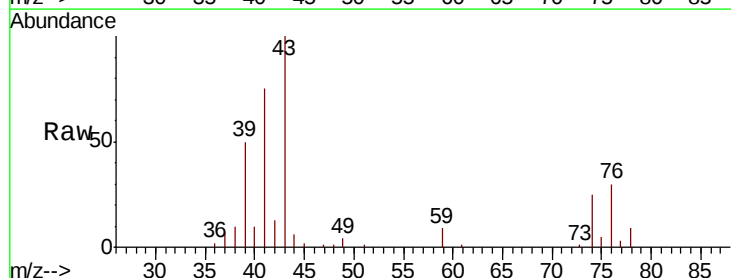


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

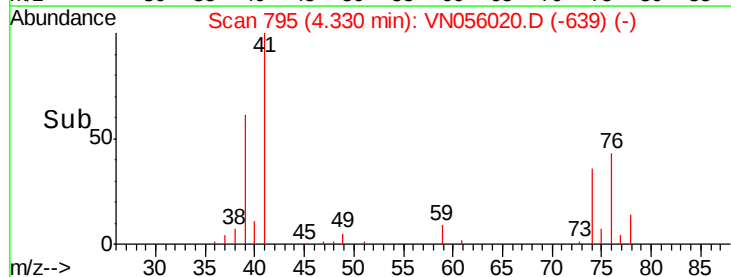
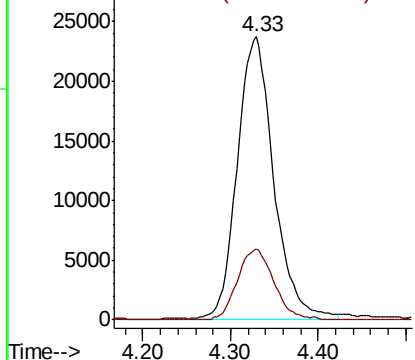


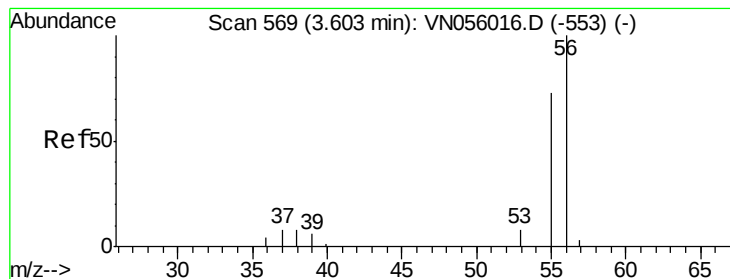
#12
Methyl Acetate
Concen: 20.447 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 43 Resp: 69102
Ion Ratio Lower Upper
43 100
74 25.3 19.9 29.9



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





#13

Acrolein

Concen: 110.076 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

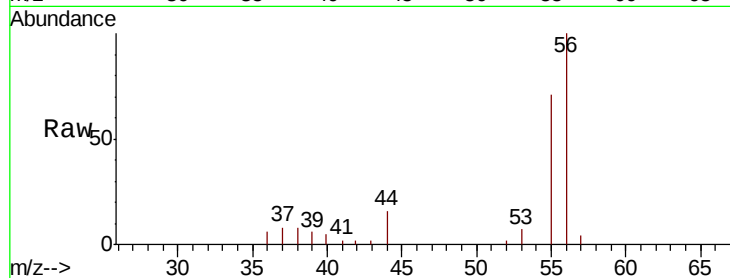
ICV060619

Tot Ion: 56 Resp: 18132

Ion Ratio Lower Upper

56 100

55 68.4 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

8000

6000

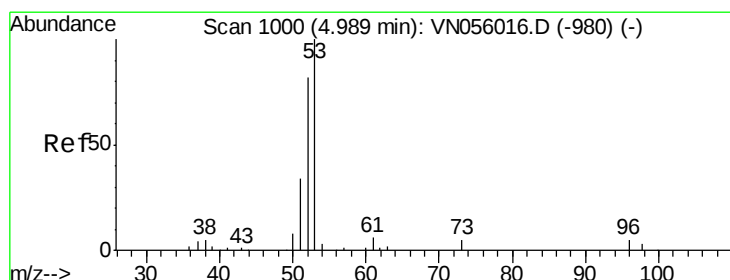
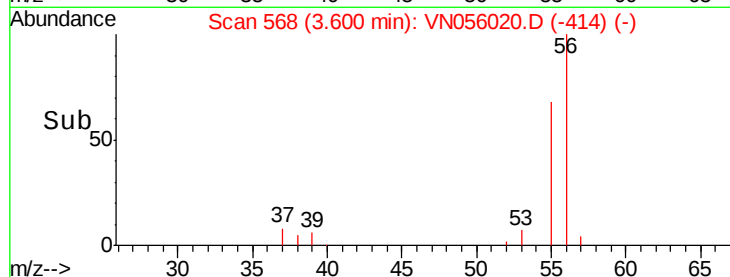
4000

2000

0

Time-->

3.55 3.60 3.65



#14

Acrylonitrile

Concen: 102.988 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

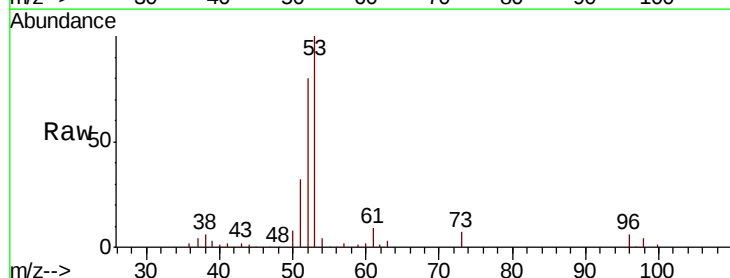
Tgt Ion: 53 Resp: 155214

Ion Ratio Lower Upper

53 100

52 82.7 40.8 122.2

51 35.4 17.3 52.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

60000

50000

40000

30000

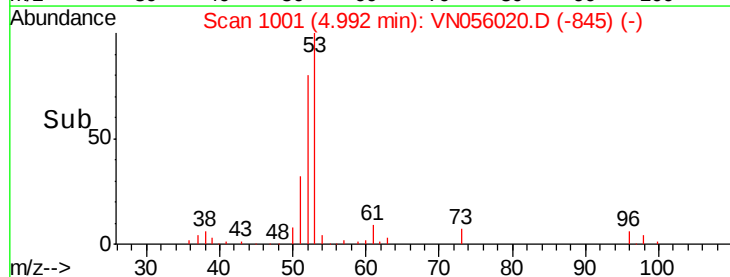
20000

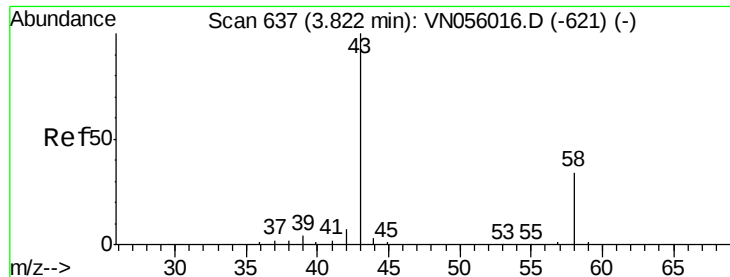
10000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 96.601 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

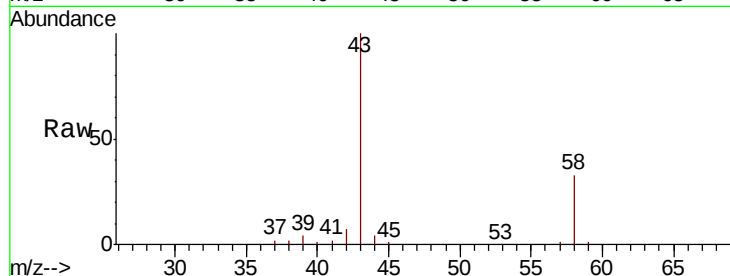
ICV060619

Tot Ion: 58 Resp: 47670

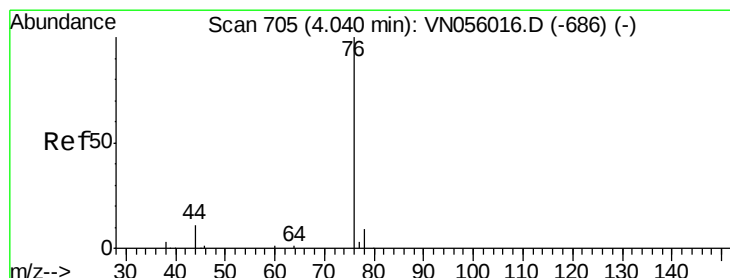
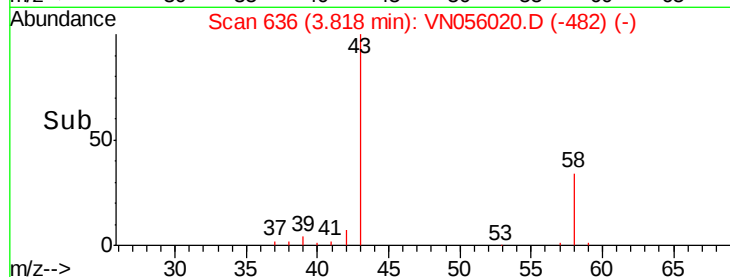
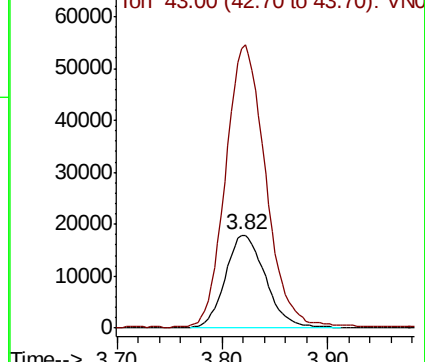
Ion Ratio Lower Upper

58 100

43 298.3 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN056016.D (-621) (-)



#16

Carbon Disulfide

Concen: 20.429 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056020.D

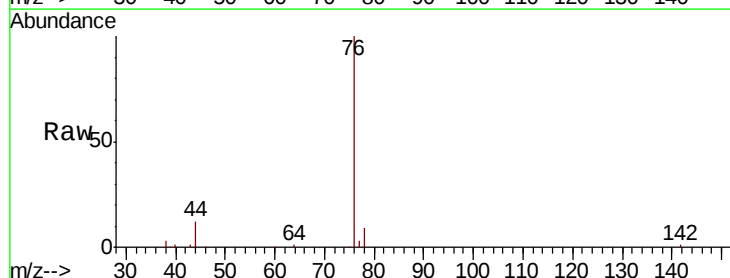
Acq: 5 Jun 2019 21:23

Tgt Ion: 76 Resp: 136703

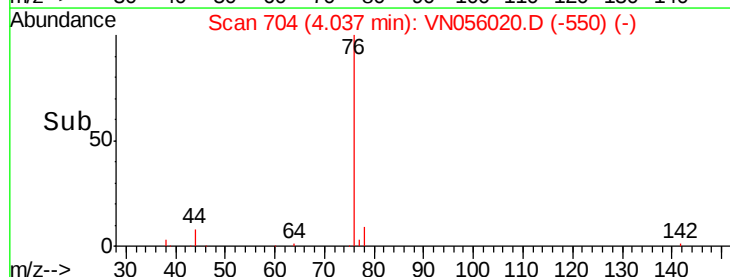
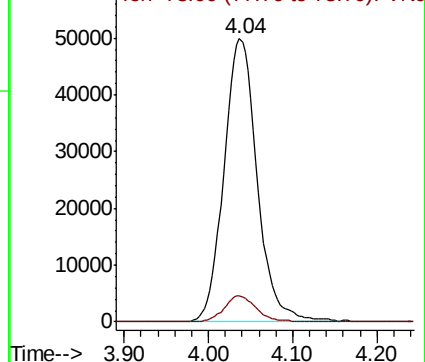
Ion Ratio Lower Upper

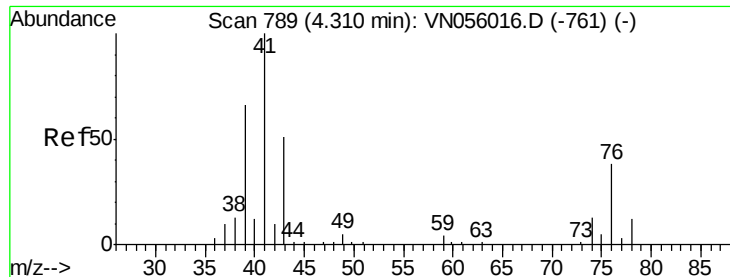
76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN056016.D (-686) (-)

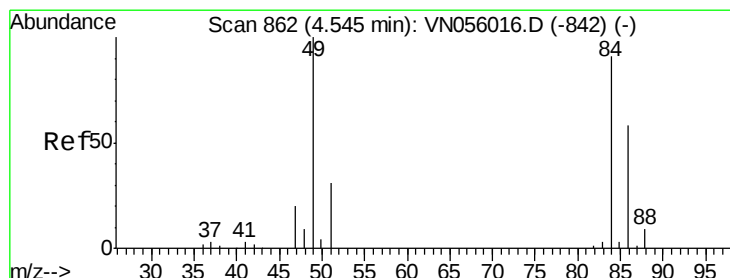
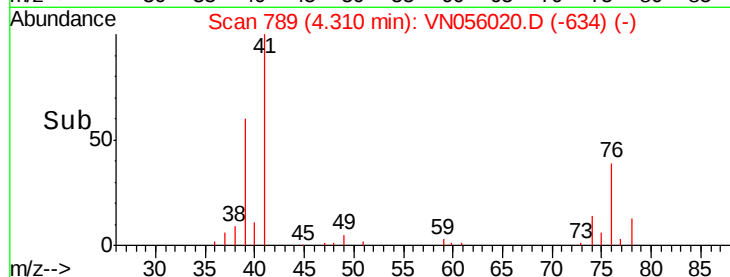
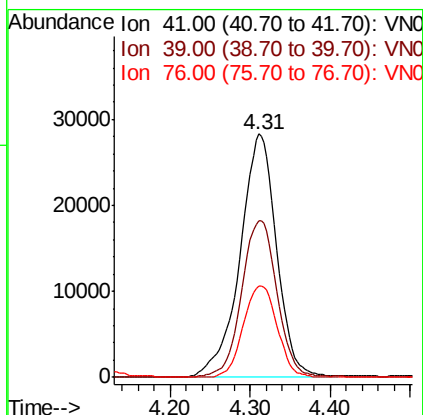
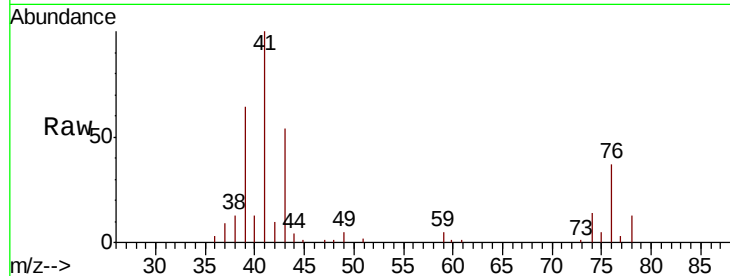




#17
Allvl chloride
Concen: 20.218 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

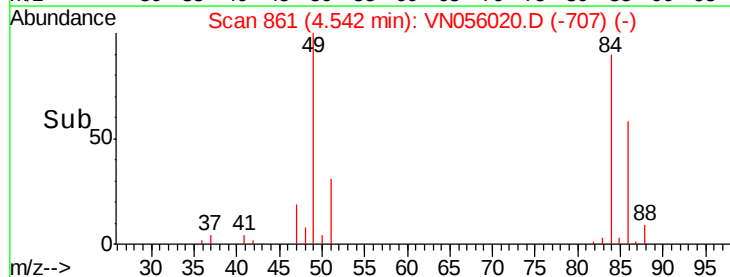
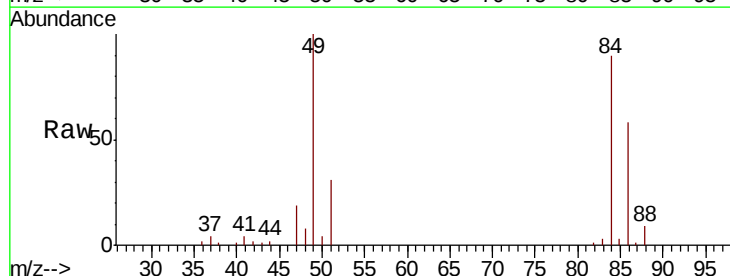
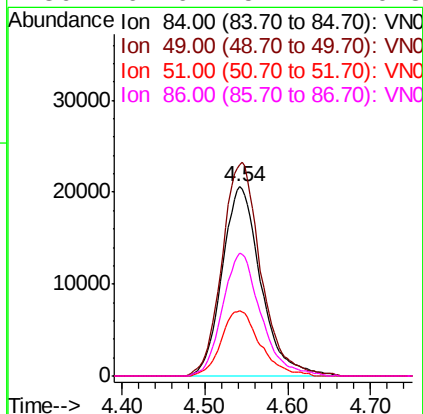
Instrument :
MSVOA_N
ClientSampleId :
ICV060619

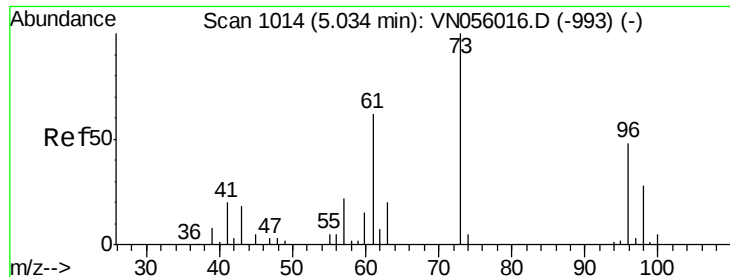
Tot Ion: 41 Resp: 88098
Ion Ratio Lower Upper
41 100
39 64.1 33.0 99.0
76 37.5 18.9 56.9



#18
Methylene Chloride
Concen: 20.518 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 84 Resp: 66805
Ion Ratio Lower Upper
84 100
49 110.5 87.6 131.4
51 34.3 27.0 40.4
86 64.6 51.2 76.8

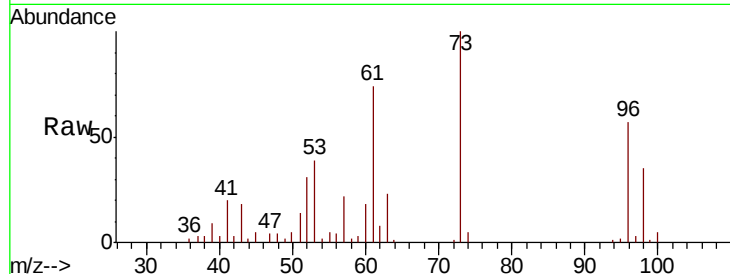




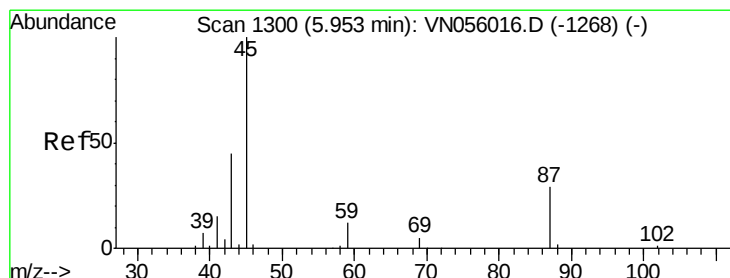
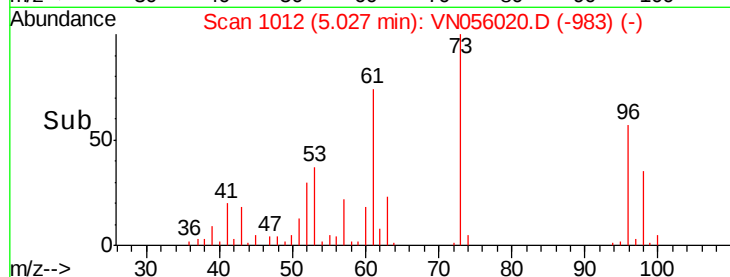
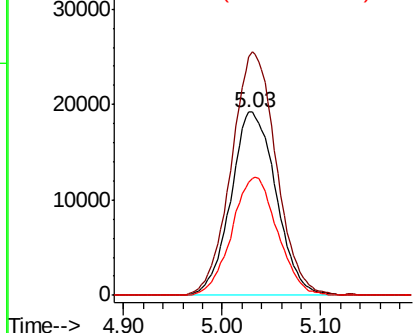
#19
trans-1,2-Dichloroethene
Concen: 20.355 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

Tot Ion: 96 Resp: 61106
Ion Ratio Lower Upper
96 100
61 130.2 102.5 153.7
98 61.8 46.9 70.3

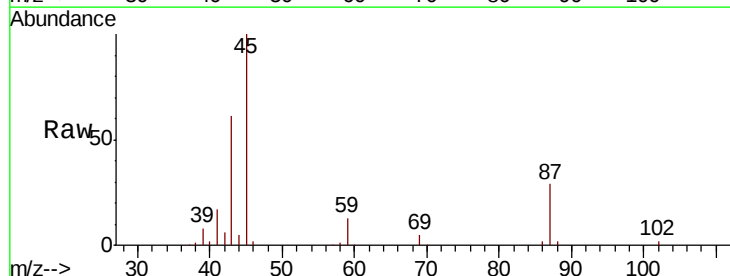


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

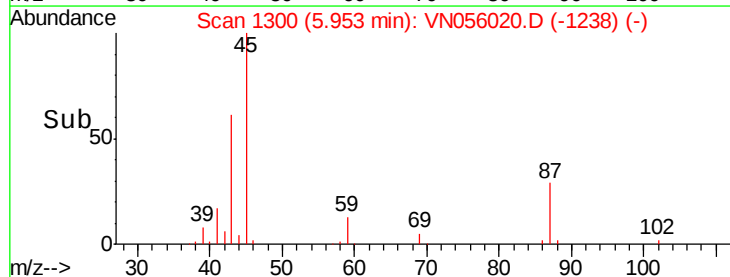
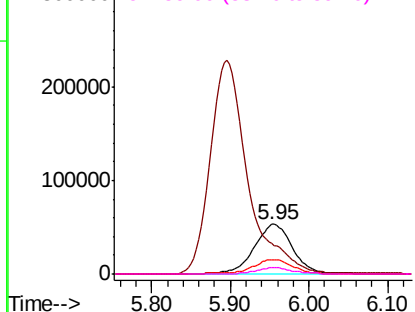


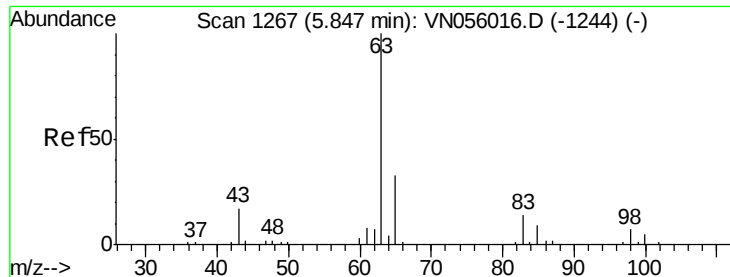
#20
Diisopropyl ether
Concen: 20.197 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 45 Resp: 182344
Ion Ratio Lower Upper
45 100
43 57.9 48.0 72.0
87 28.7 23.4 35.2
59 12.1 9.2 13.8



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

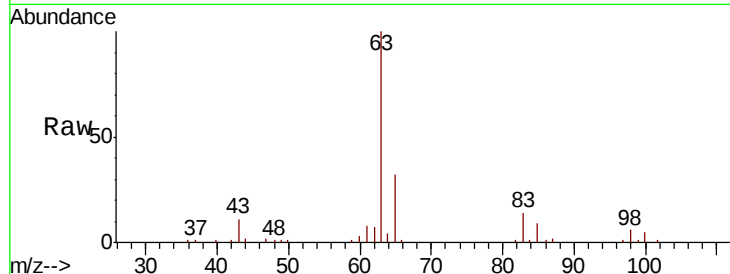




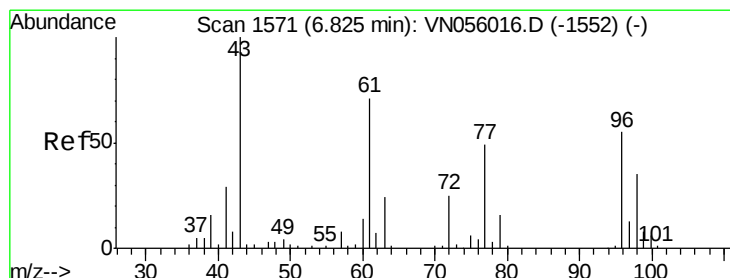
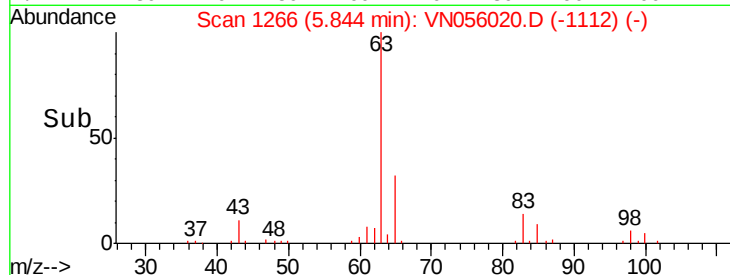
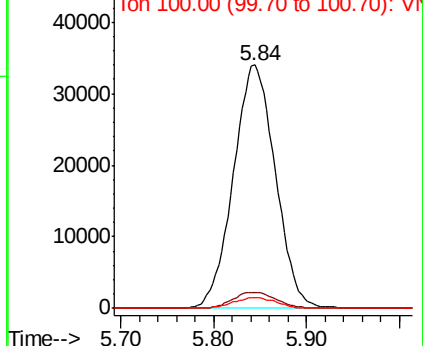
#21
 1,1-Dichloroethane
 Concen: 20.363 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

Tot Ion: 63 Resp: 106841
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 4.5 2.3 6.9

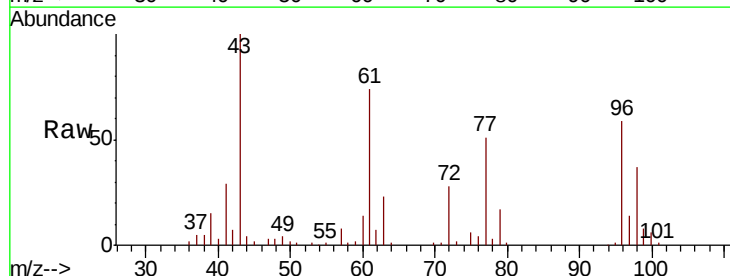


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

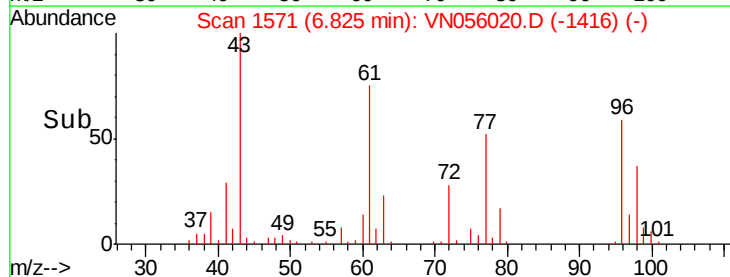
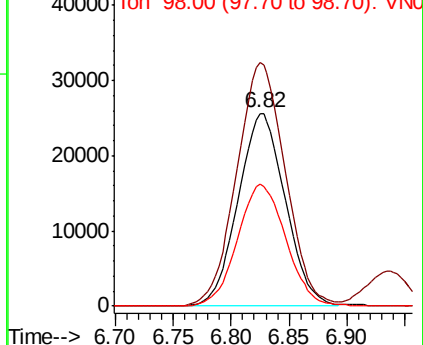


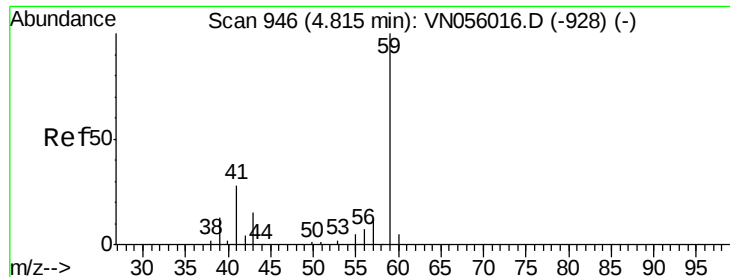
#22
 cis-1,2-Dichloroethene
 Concen: 20.716 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion: 96 Resp: 72586
 Ion Ratio Lower Upper
 96 100
 61 130.3 105.7 158.5
 98 64.7 52.0 78.0



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



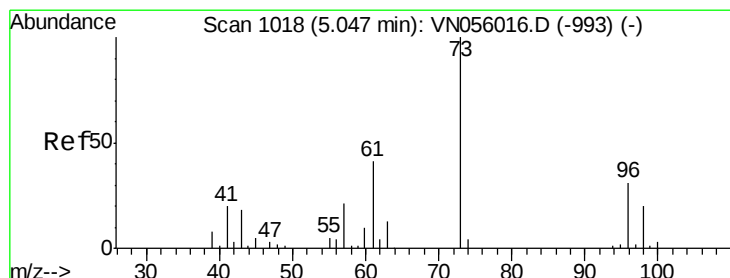
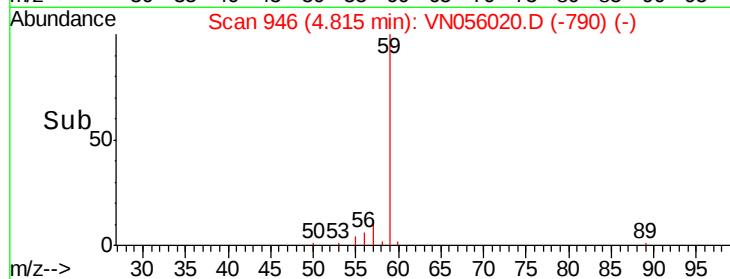
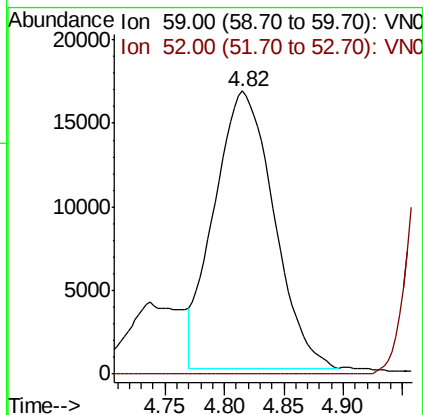
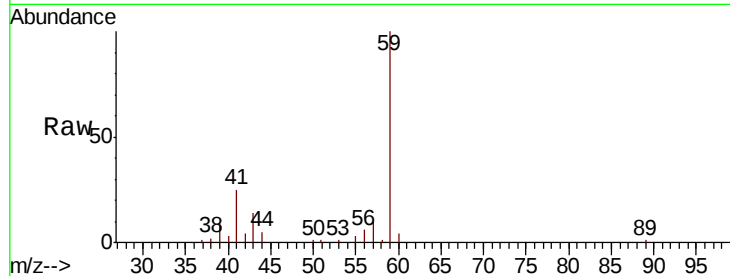


#23

tert-Butyl Alcohol
 Concen: 98.096 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

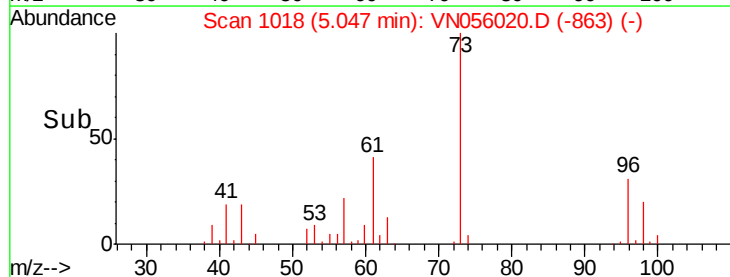
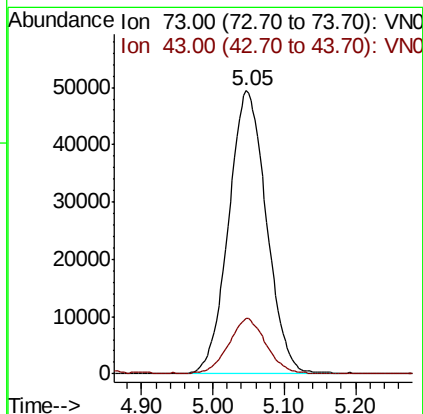
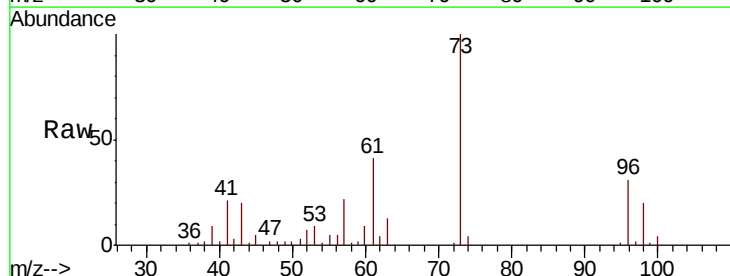
Tot Ion: 59 Resp: 57546
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

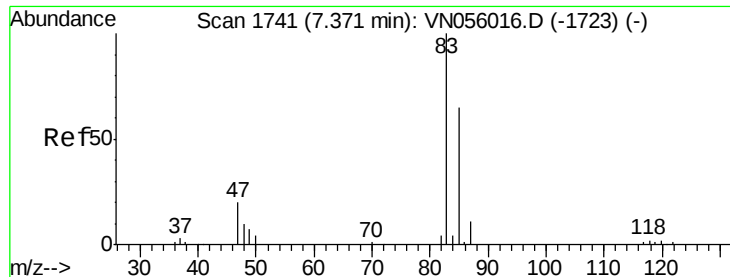


#24

Methyl tert-Butyl Ether
 Concen: 20.359 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion: 73 Resp: 182473
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.4 23.0

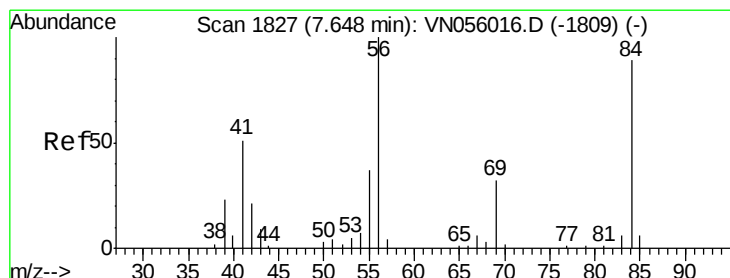
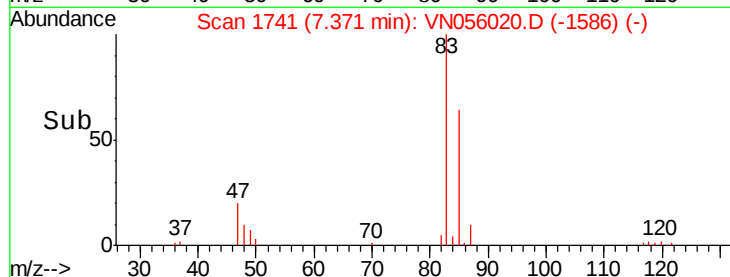
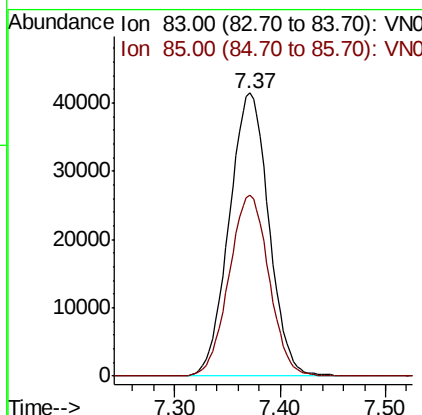
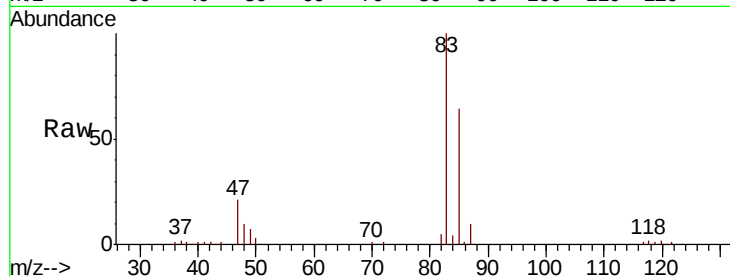




#25
Chloroform
Concen: 20.622 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

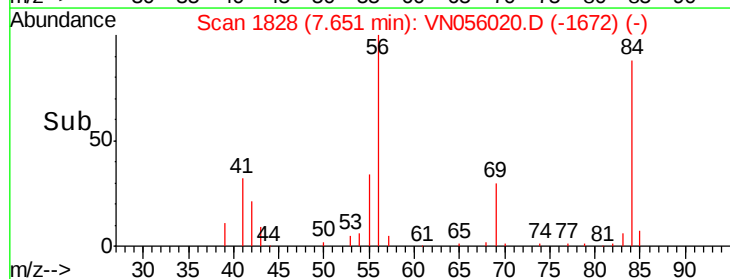
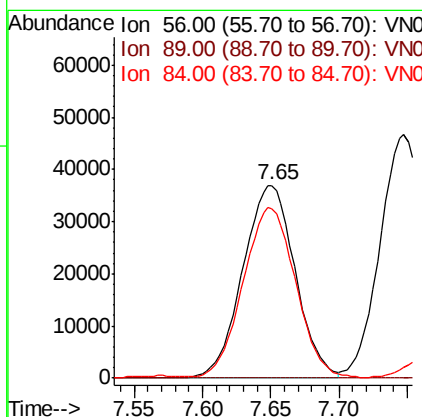
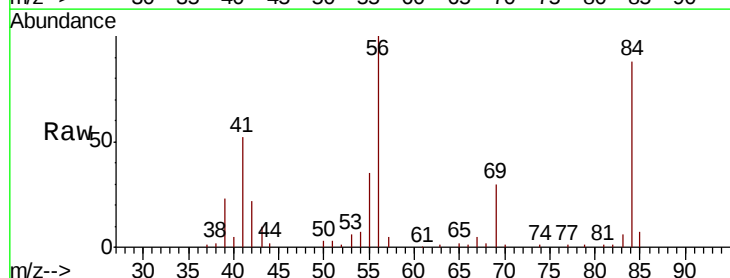
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

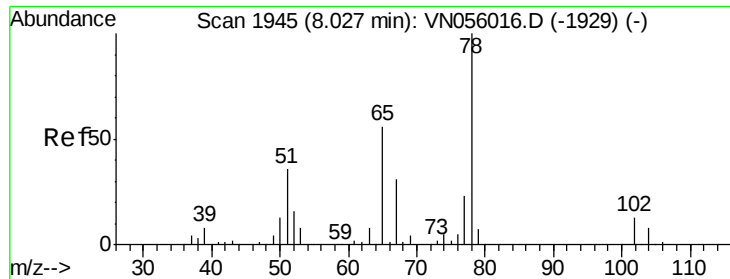
Tot Ion: 83 Resp: 108042
Ion Ratio Lower Upper
83 100
85 64.0 52.0 78.0



#26
Cyclohexane
Concen: 20.176 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 56 Resp: 98207
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 89.3 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 30.275 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

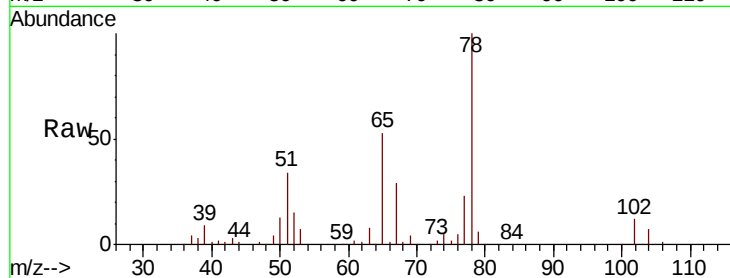
ICVFN060619

Tot Ion: 65 Resp: 101292

Ion Ratio Lower Upper

65 100

67 55.4 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

50000

40000

30000

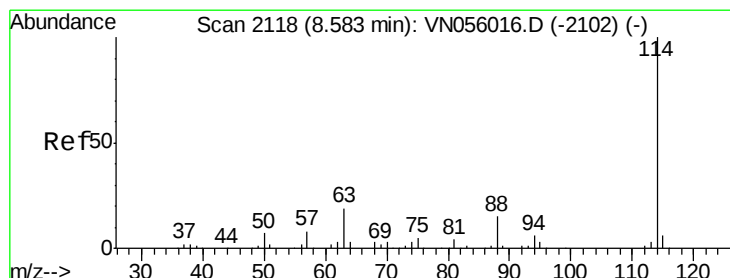
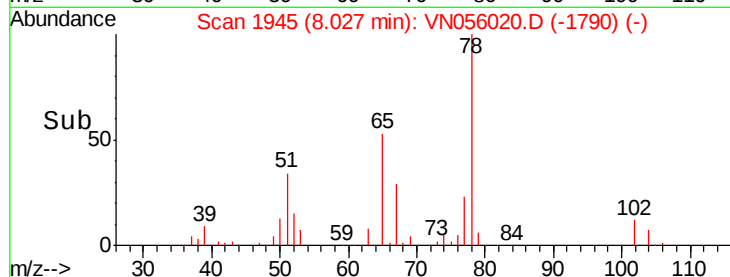
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

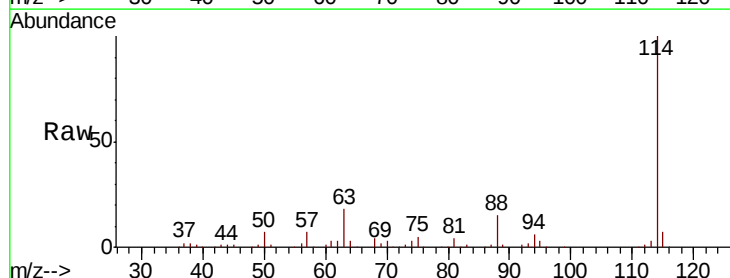
Tgt Ion: 114 Resp: 293456

Ion Ratio Lower Upper

114 100

63 18.4 14.7 22.1

88 14.7 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.58

150000

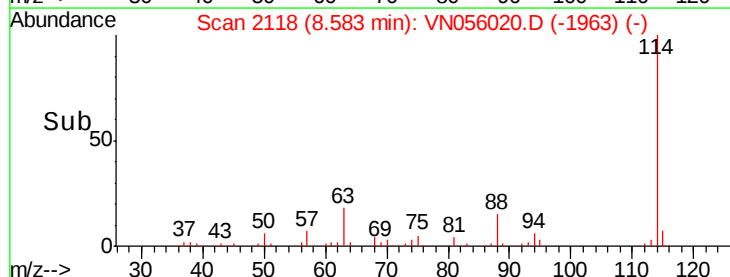
100000

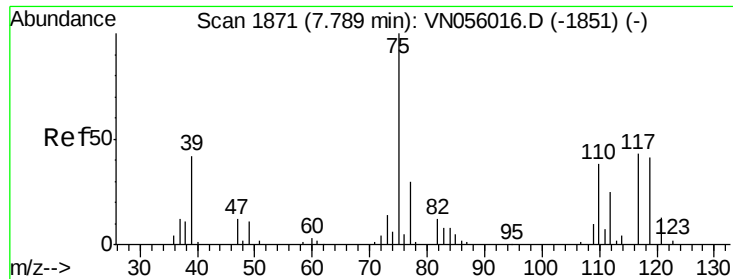
50000

0

8.50 8.60 8.70

Time-->

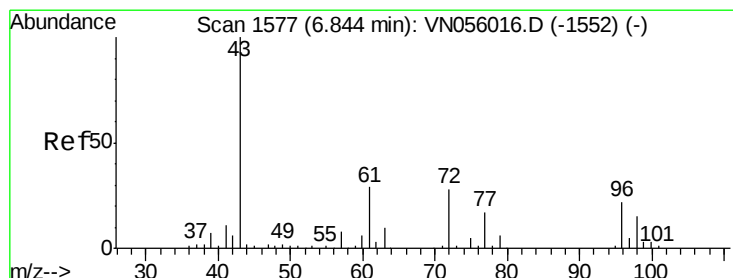
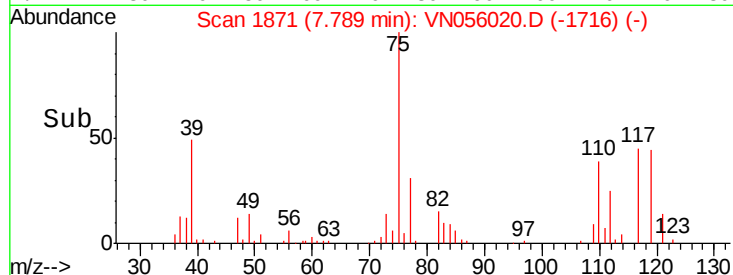
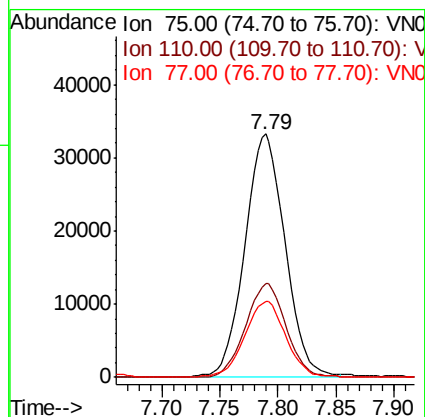
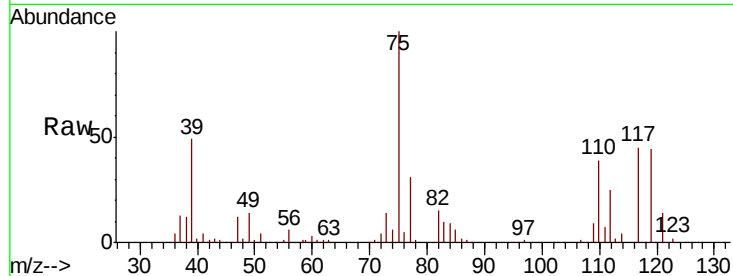




#29
 1,1-Dichloropropene
 Concen: 20.263 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

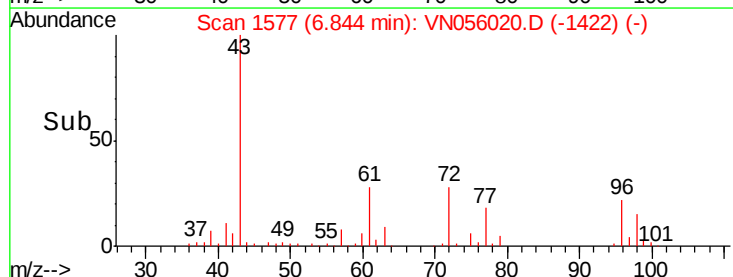
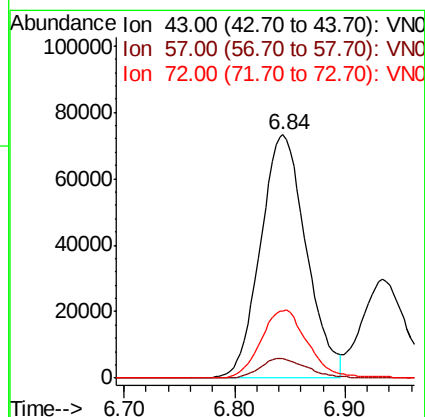
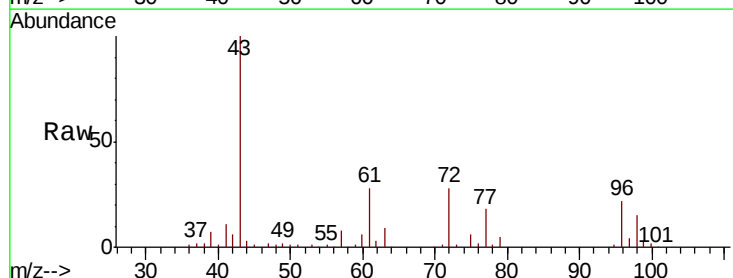
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

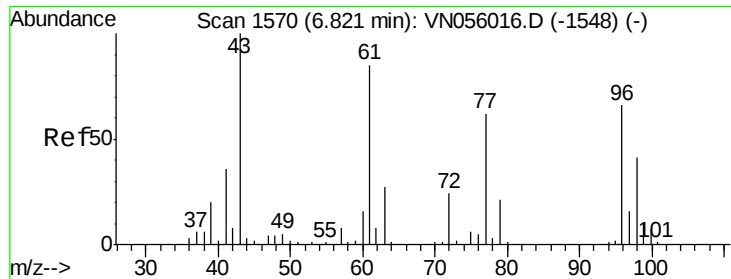
Tot Ion: 75 Resp: 80432
 Ion Ratio Lower Upper
 75 100
 110 38.5 0.0 77.0
 77 30.2 0.0 62.4



#30
 2-Butanone
 Concen: 101.087 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion: 43 Resp: 211245
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.7 10.1
 72 28.3 22.4 33.6





#31

2,2-Dichloropropane

Concen: 18.942 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

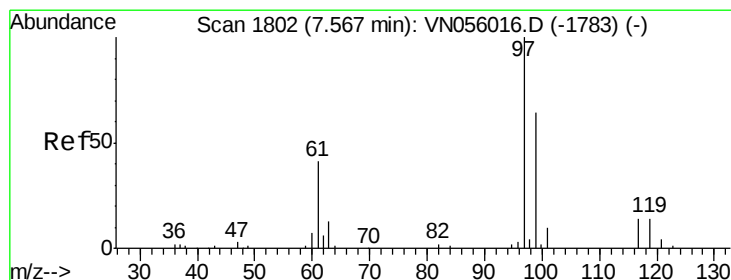
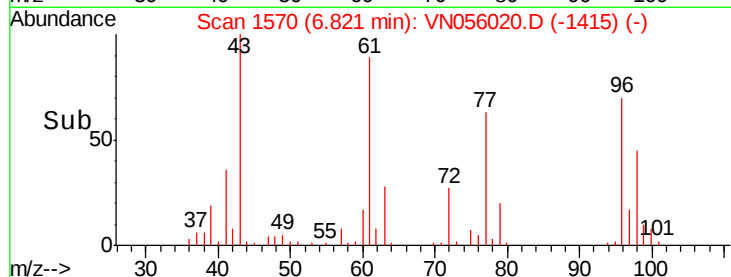
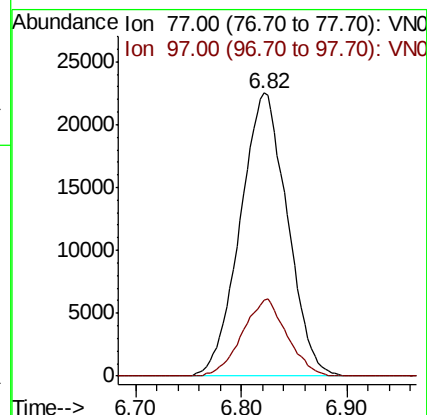
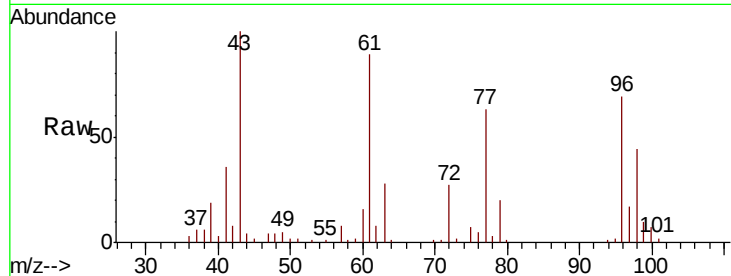
ICVVN060619

Tot Ion: 77 Resp: 69947

Ion Ratio Lower Upper

77 100

97 25.8 20.8 31.2



#32

1,1,1-Trichloroethane

Concen: 20.161 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

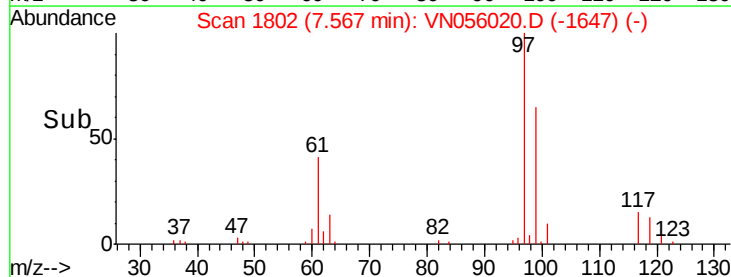
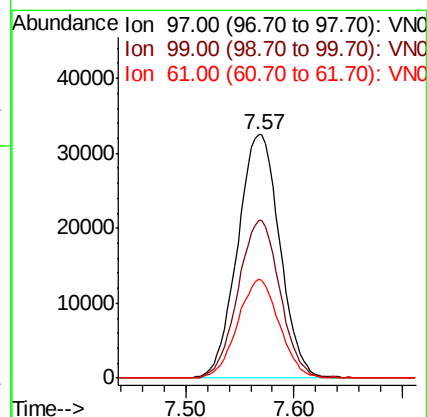
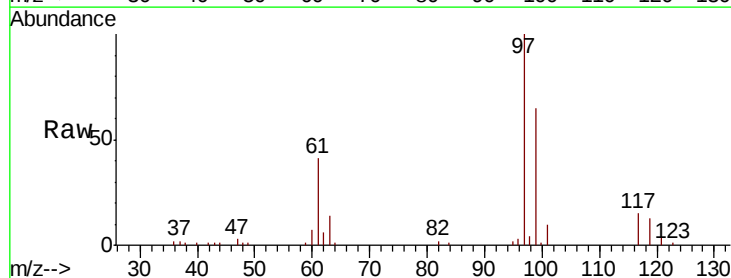
Tgt Ion: 97 Resp: 88420

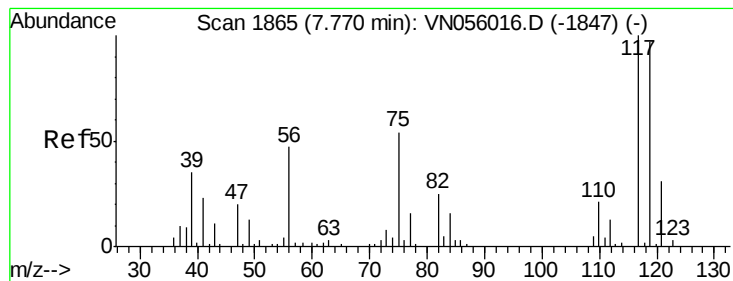
Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

61 39.8 32.9 49.3





#33

Carbon Tetrachloride

Concen: 19.706 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

ICV060619

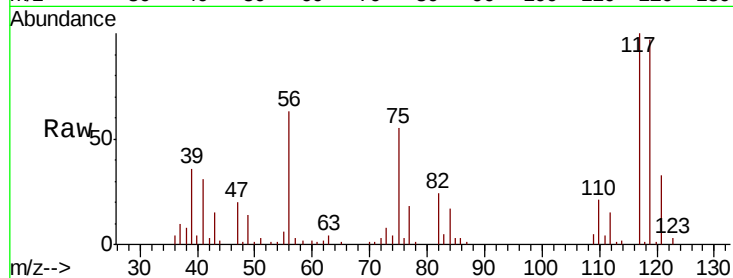
Tot Ion:117 Resp: 73221

Ion Ratio Lower Upper

117 100

119 97.1 77.3 115.9

121 32.6 25.0 37.4

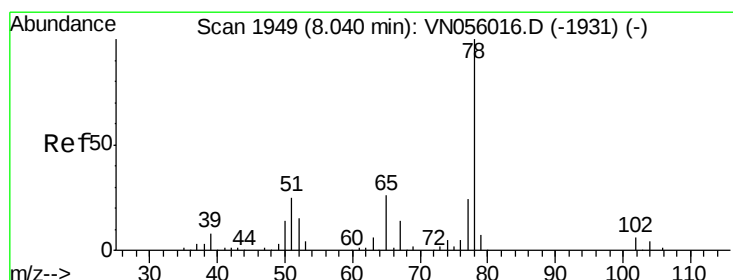
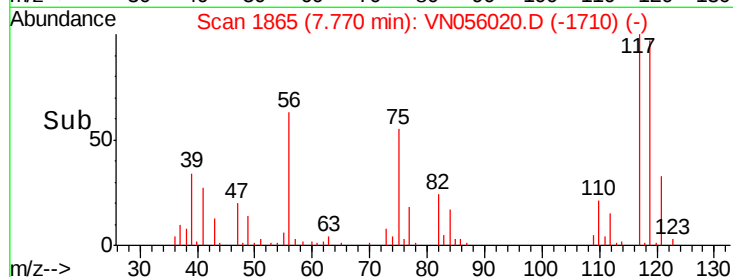
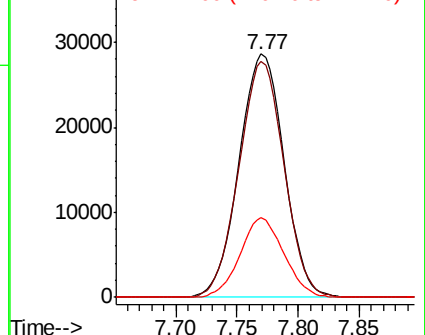


Abundance

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: 20.336 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

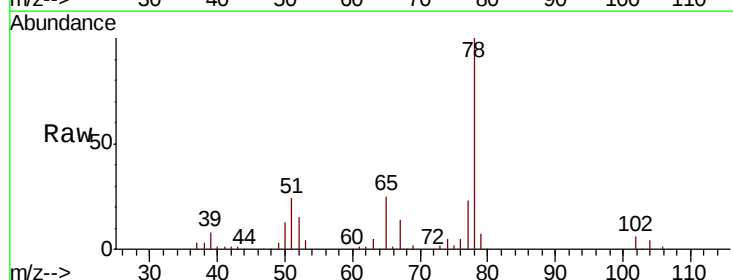
Tgt Ion: 78 Resp: 257208

Ion Ratio Lower Upper

78 100

77 23.5 19.3 28.9

51 24.3 19.8 29.8

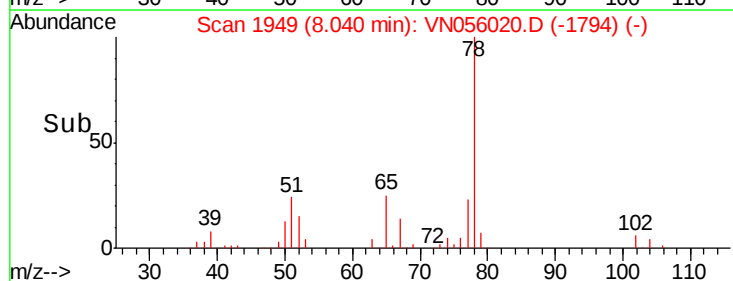
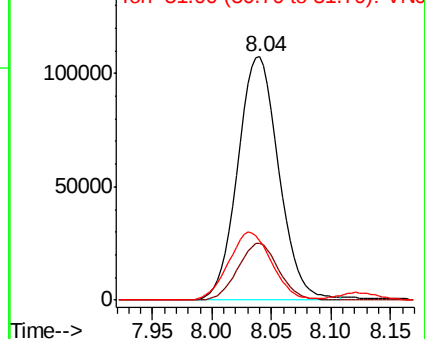


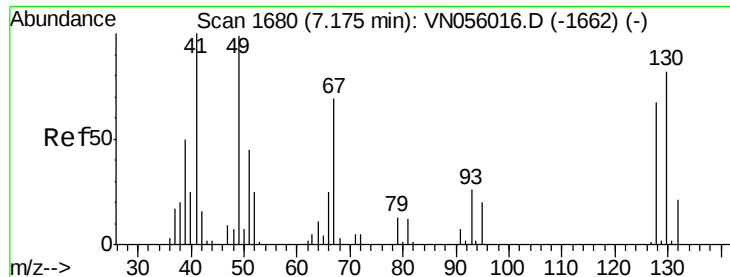
Abundance

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

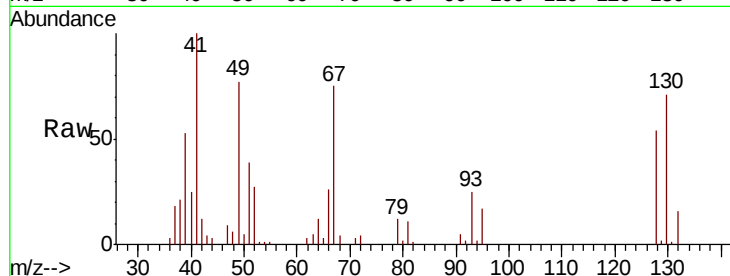




#35
Methacrylonitrile
Concen: 19.197 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion:	41	Resp:	33876
Ion	Ratio	Lower	Upper
41	100		
39	53.3	24.8	74.3
67	74.6	34.3	102.9
52	27.4	12.6	37.8



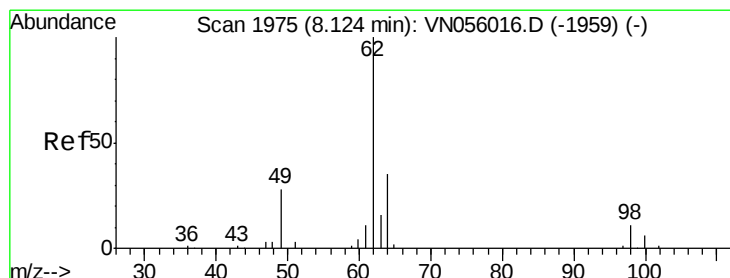
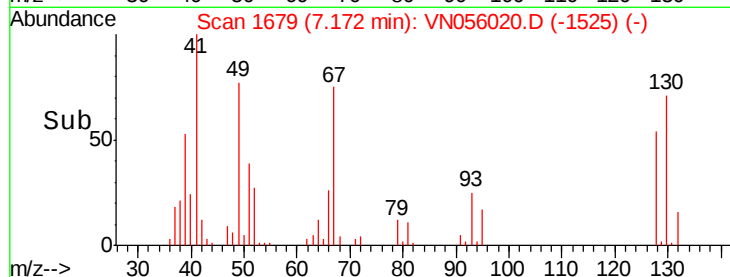
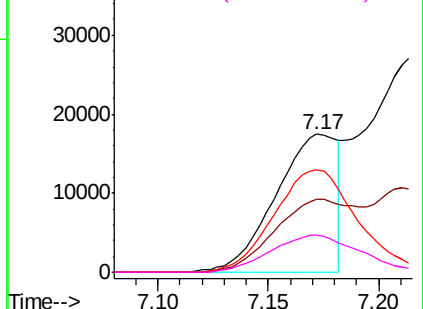
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

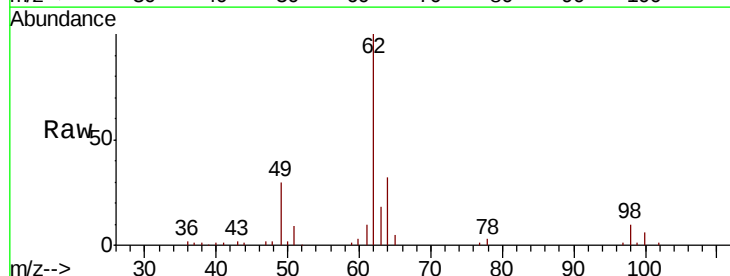
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 20.570 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

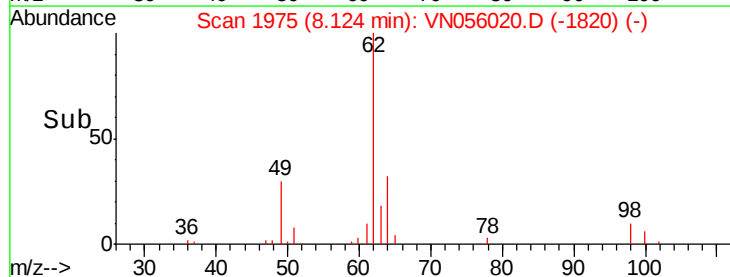
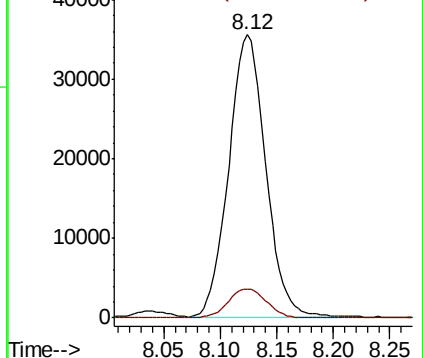
Tgt Ion:	62	Resp:	81492
Ion	Ratio	Lower	Upper
62	100		
98	10.5	8.6	13.0

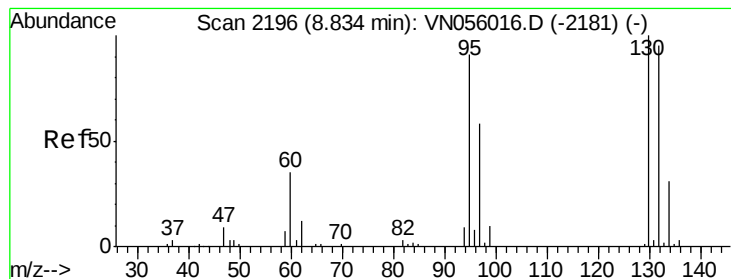


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.262 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

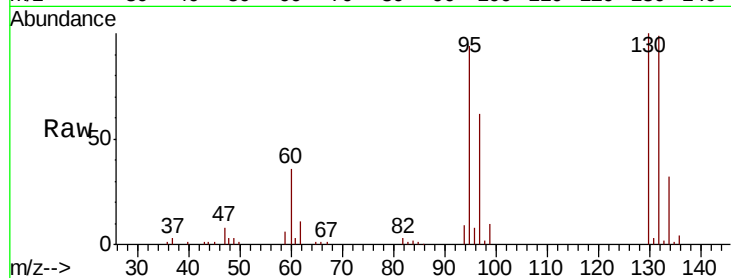
ICVVN060619

Tot Ion:130 Resp: 71711

Ion Ratio Lower Upper

130 100

95 93.1 73.0 109.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

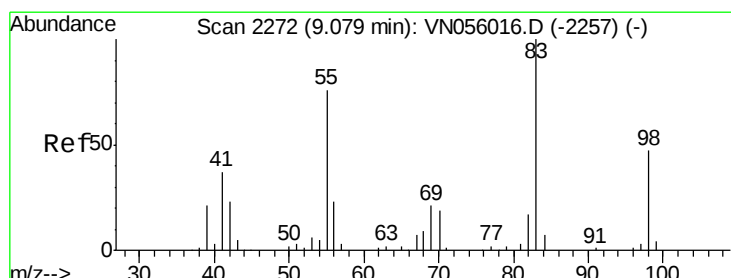
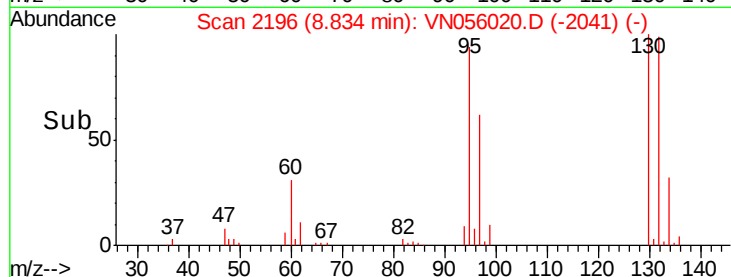
20000

10000

0

Time-->

8.75 8.80 8.85 8.90 8.95



#38

Methylcyclohexane

Concen: 20.136 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

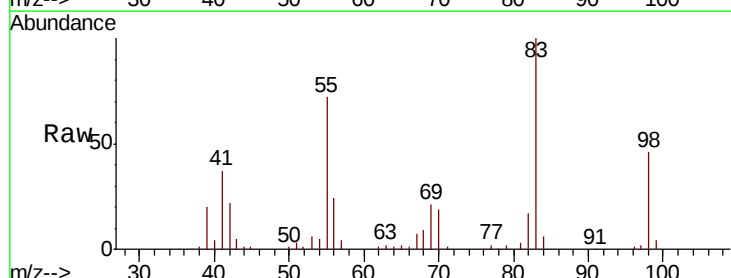
Tgt Ion: 83 Resp: 101331

Ion Ratio Lower Upper

83 100

55 71.6 37.5 112.7

98 46.1 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

50000

40000

30000

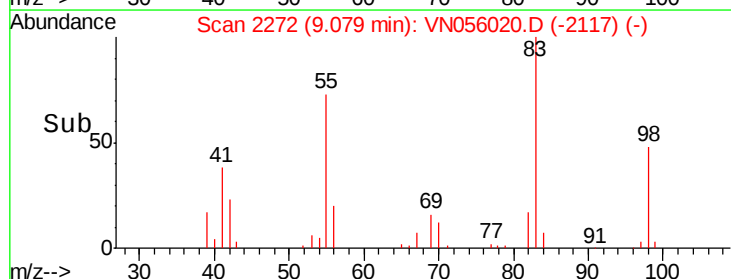
20000

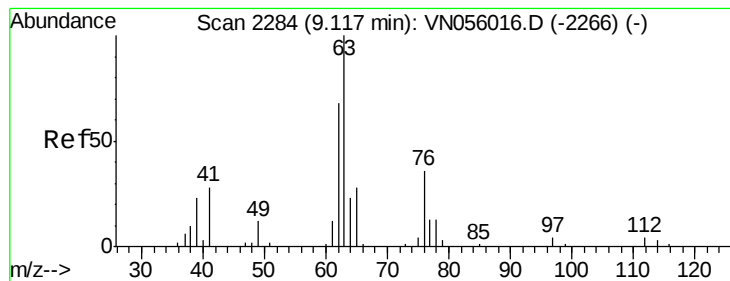
10000

0

Time-->

9.00 9.05 9.10 9.15





#39

1,2-Dichloropropane

Concen: 20.392 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

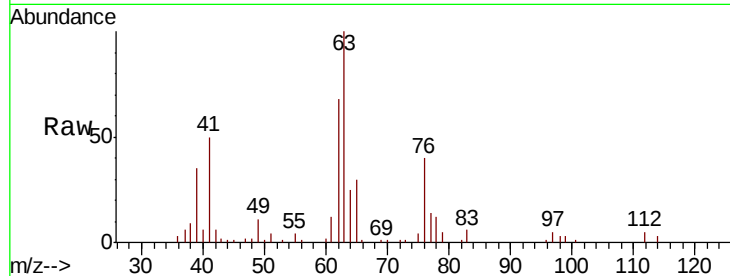
ICV060619

Tot Ion: 63 Resp: 66053

Ion Ratio Lower Upper

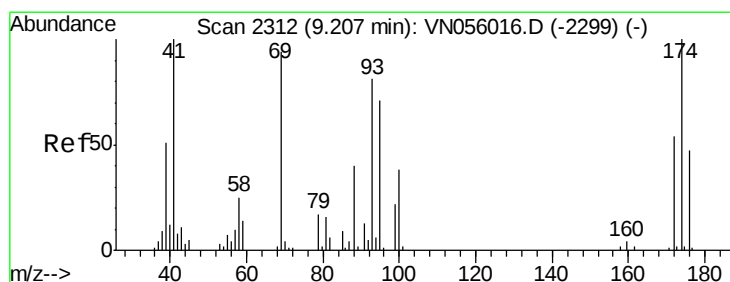
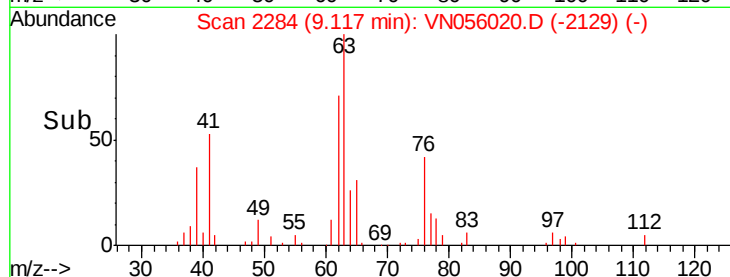
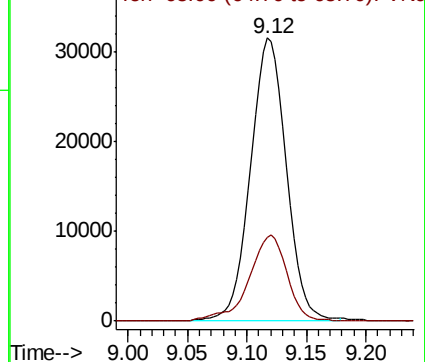
63 100

65 29.7 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.368 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

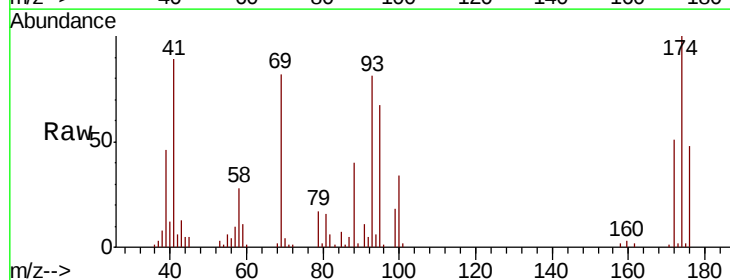
Tgt Ion: 93 Resp: 43746

Ion Ratio Lower Upper

93 100

95 84.6 0.0 169.0

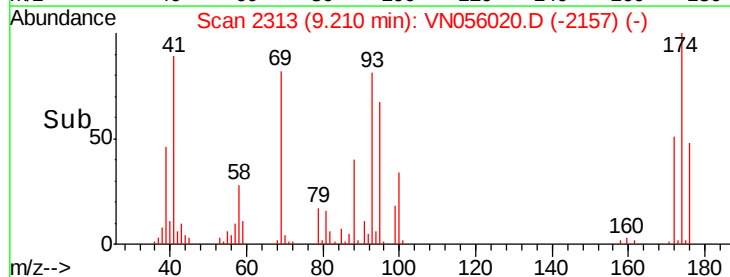
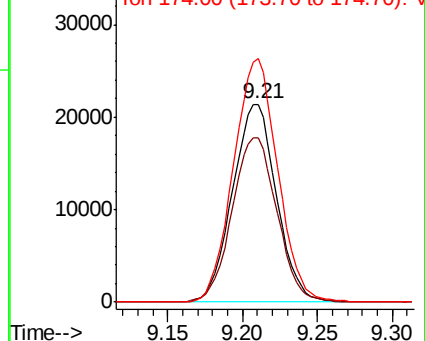
174 123.8 0.0 246.4

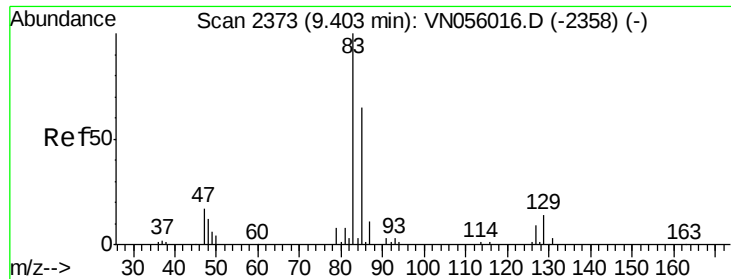


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.622 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060619

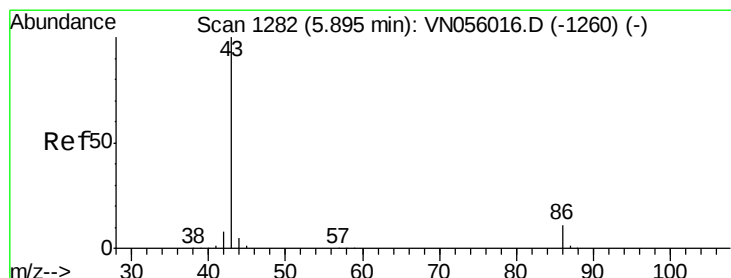
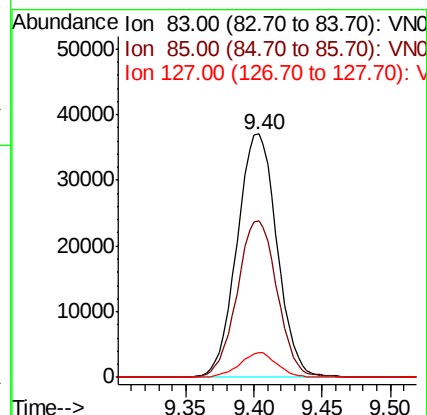
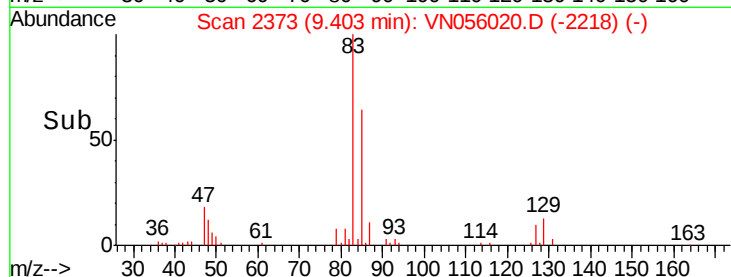
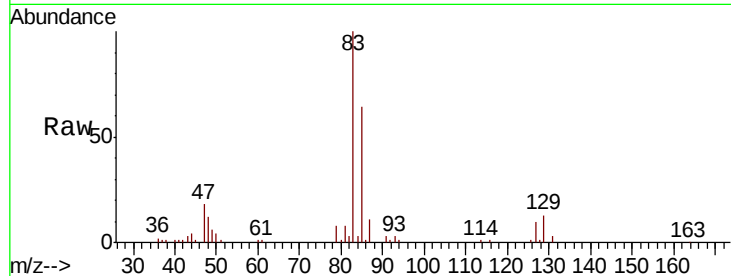
Tot Ion: 83 Resp: 75464

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.6

127 10.2 7.3 10.9



#42

Vinyl Acetate

Concen: 101.591 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056020.D

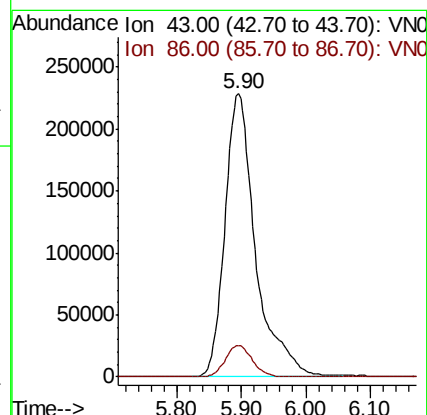
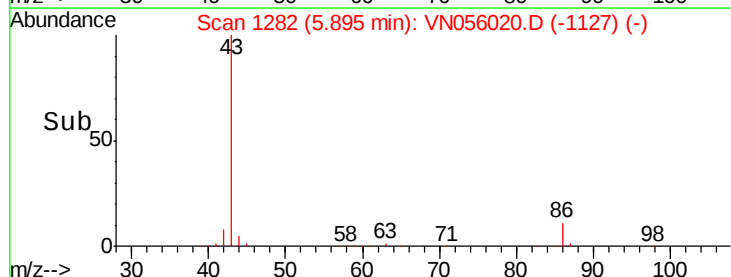
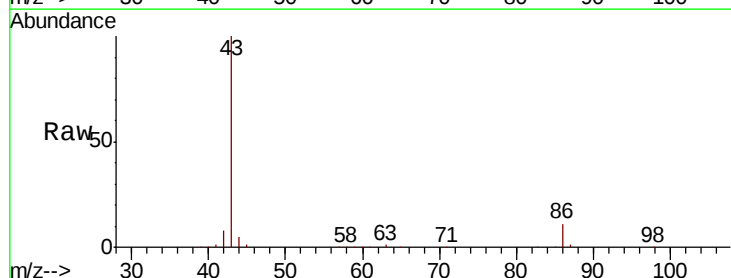
Acq: 5 Jun 2019 21:23

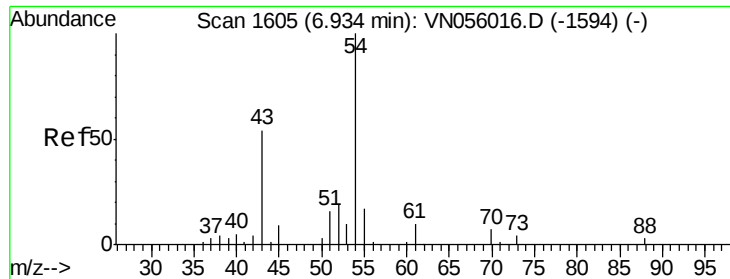
Tgt Ion: 43 Resp: 756875

Ion Ratio Lower Upper

43 100

86 9.8 7.9 11.9





#43

Ethyl Acetate

Concen: 20.142 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

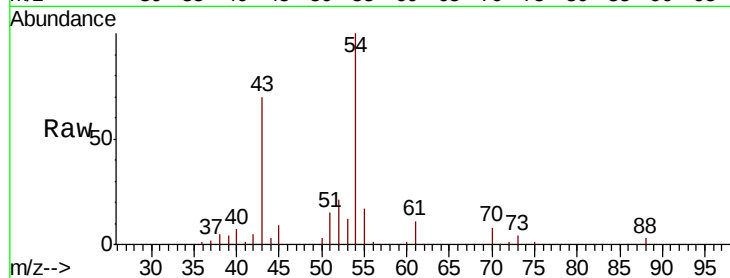
ICVVN060619

Tot Ion: 43 Resp: 80558

Ion Ratio Lower Upper

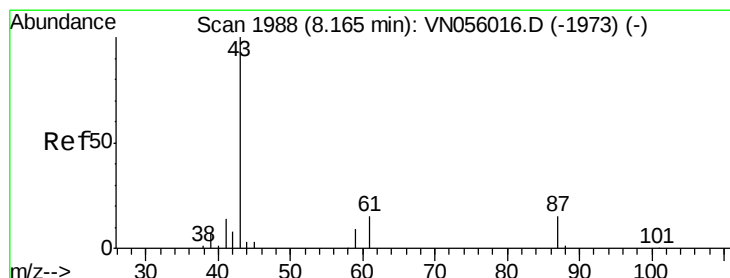
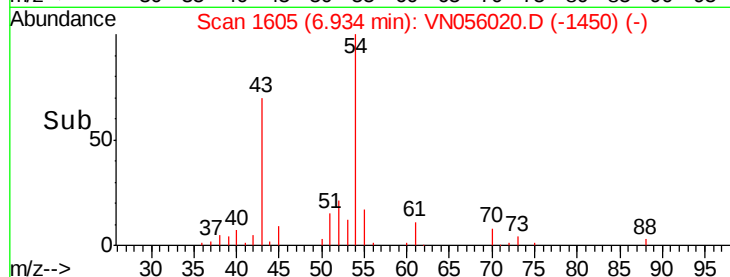
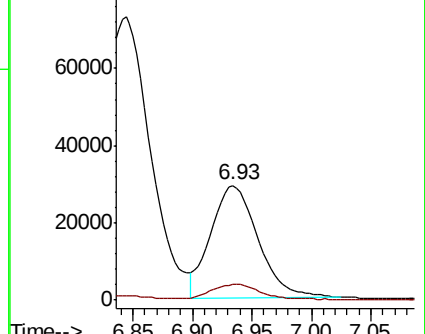
43 100

45 12.4 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.811 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056020.D

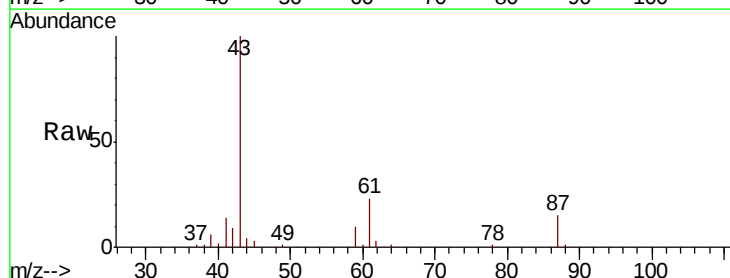
Acq: 5 Jun 2019 21:23

Tgt Ion: 43 Resp: 123024

Ion Ratio Lower Upper

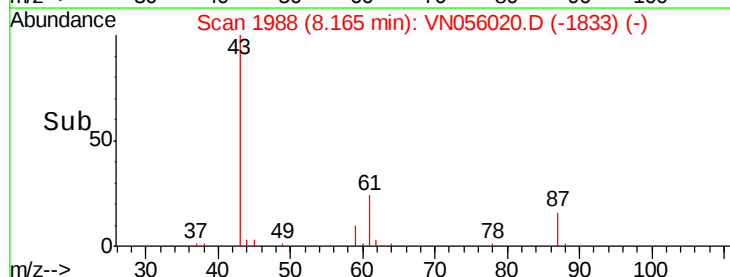
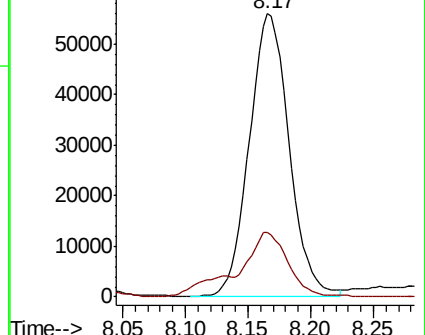
43 100

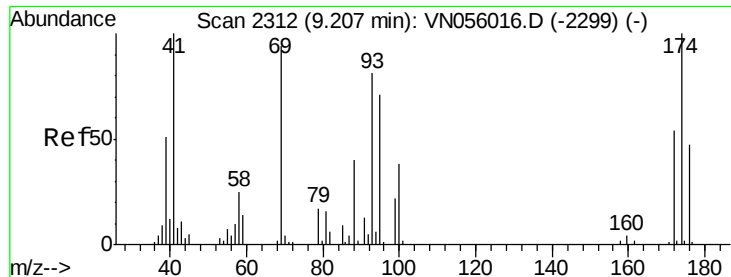
61 22.4 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

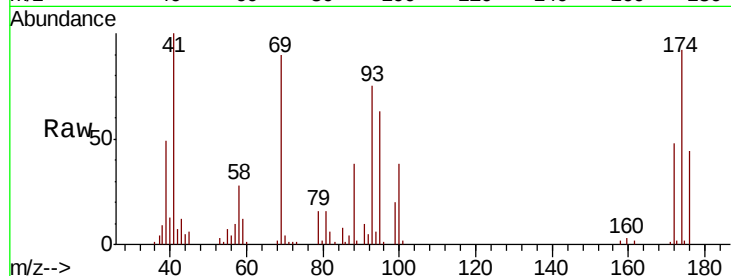




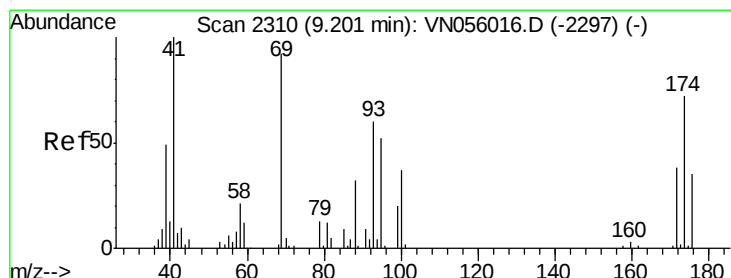
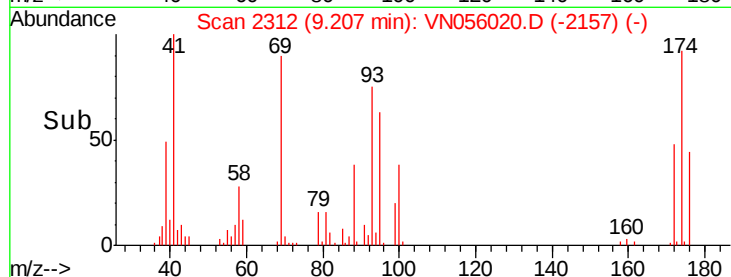
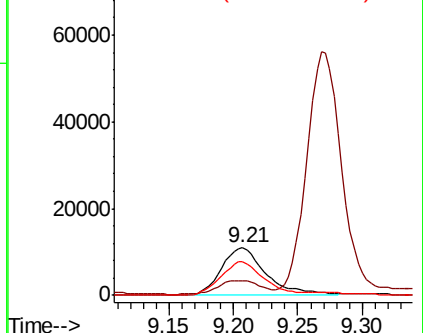
#45
1,4-Dioxane
Concen: 398.387 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

Tot Ion: 88 Resp: 26464
Ion Ratio Lower Upper
88 100
43 27.6 19.8 29.6
58 68.3 48.5 72.7

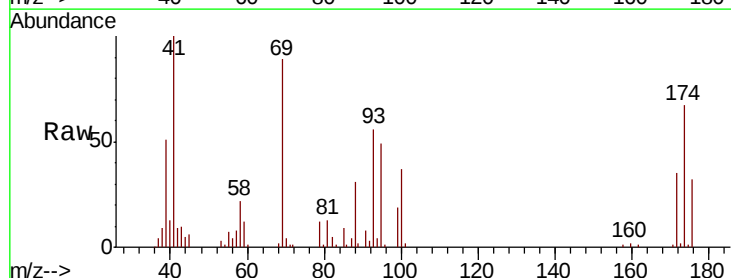


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

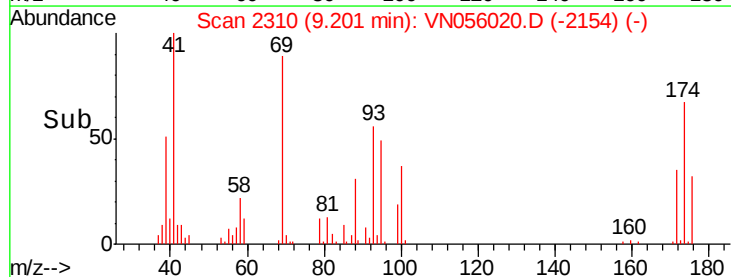
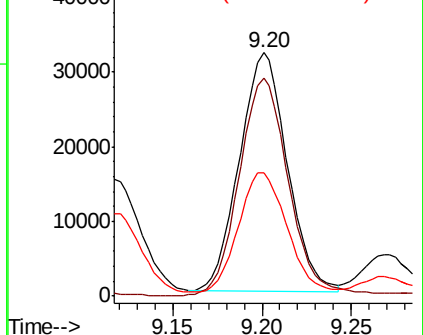


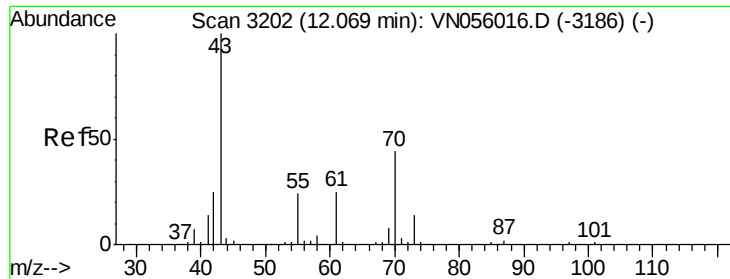
#46
Methyl methacrylate
Concen: 19.445 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 41 Resp: 59987
Ion Ratio Lower Upper
41 100
69 90.9 46.0 137.8
39 50.0 24.6 73.8



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

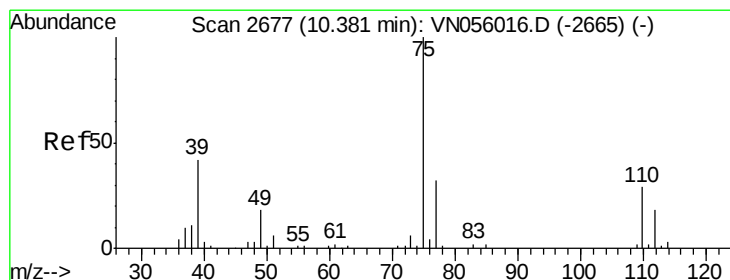
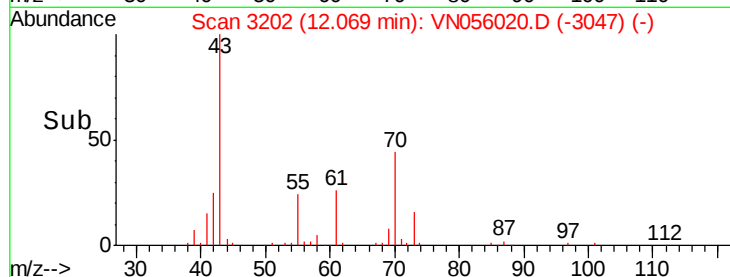
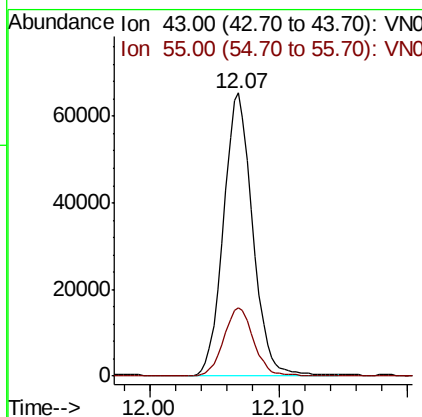
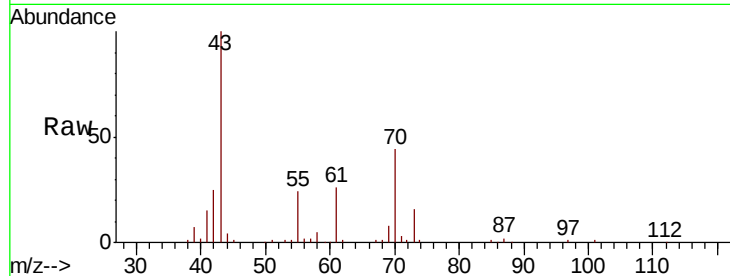




#47
n-amvl Acetate
Concen: 19.769 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

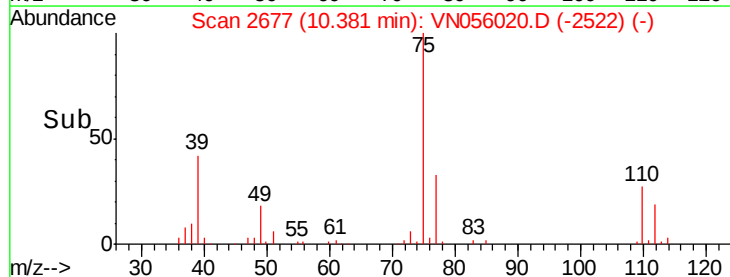
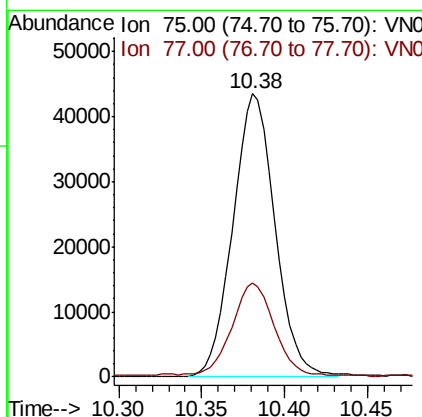
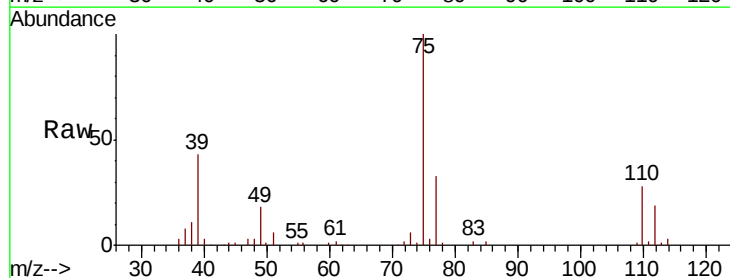
Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

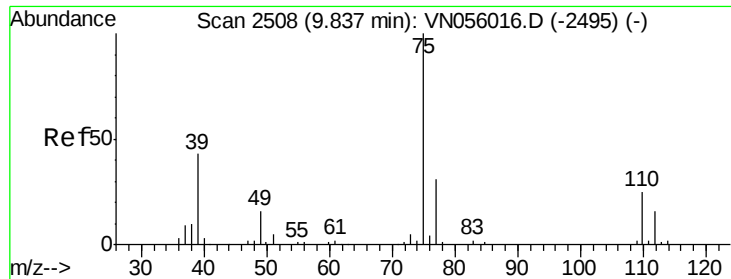
Tot Ion: 43 Resp: 101520
Ion Ratio Lower Upper
43 100
55 24.9 19.0 28.6



#48
t-1,3-Dichloropropene
Concen: 18.955 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 75 Resp: 76719
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0

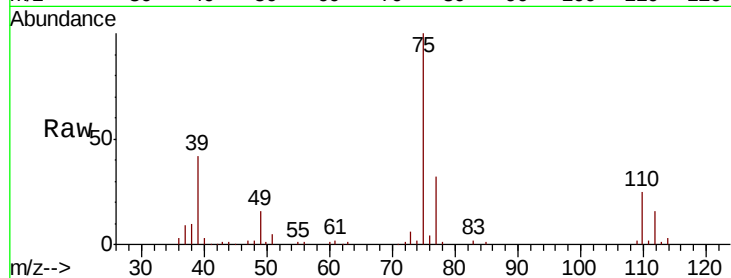




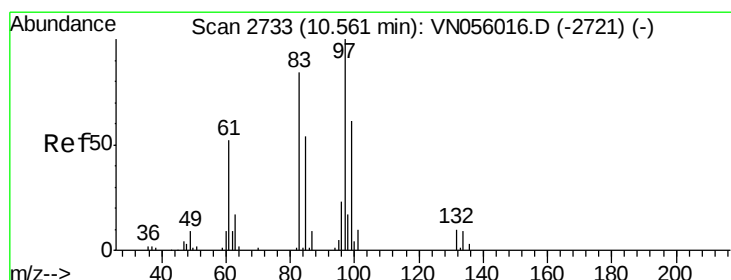
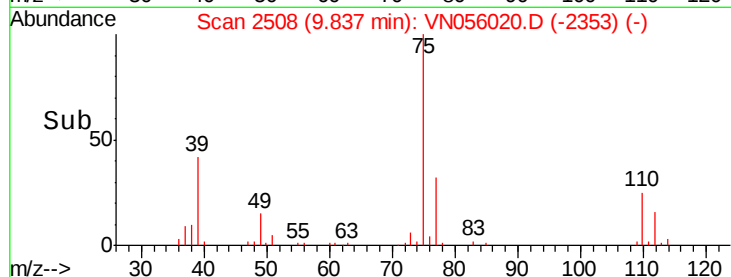
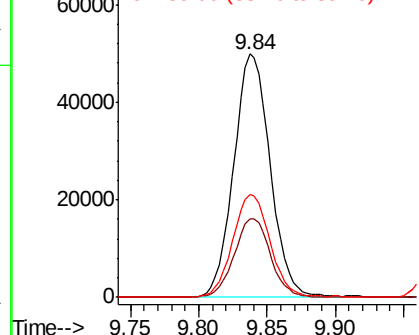
#49
 cis-1,3-Dichloropropene
 Concen: 19.578 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

Tot Ion: 75 Resp: 92784
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.1 37.7
 39 42.1 34.3 51.5

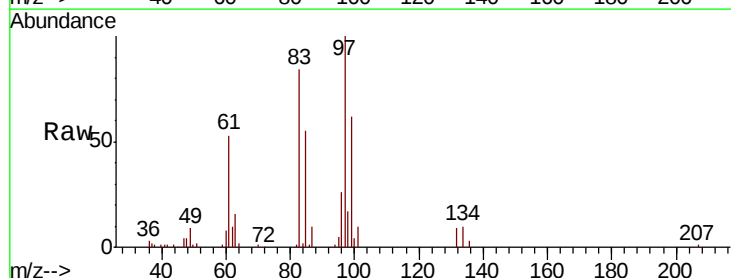


Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

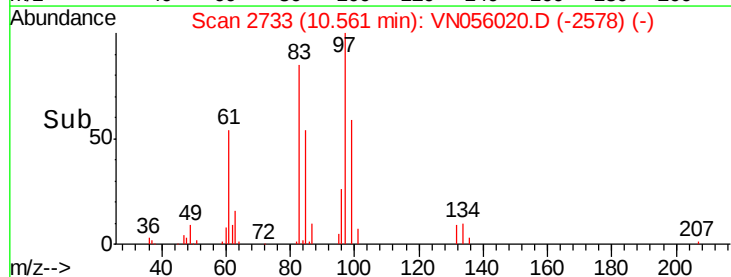
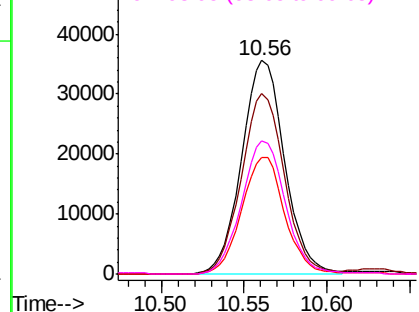


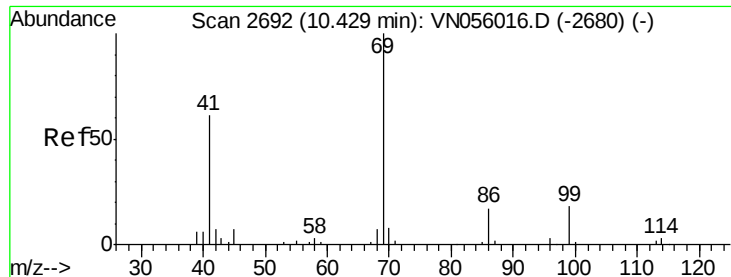
#50
 1,1,2-Trichloroethane
 Concen: 20.118 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion: 97 Resp: 64177
 Ion Ratio Lower Upper
 97 100
 83 84.3 66.9 100.3
 85 54.8 43.3 64.9
 99 62.3 48.6 73.0



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





#51

Ethyl methacrylate

Concen: 19.923 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060619

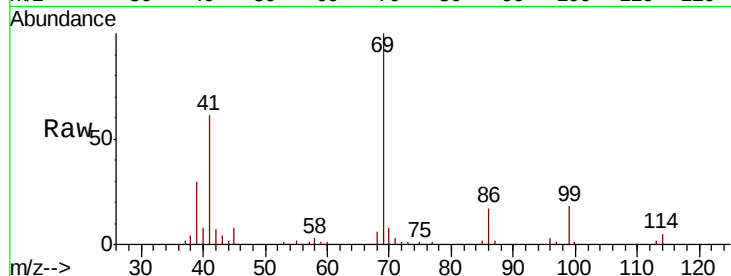
Tot Ion: 69 Resp: 96151

Ion Ratio Lower Upper

69 100

41 60.4 30.8 92.3

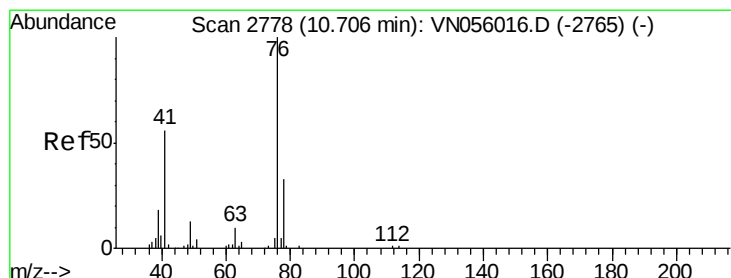
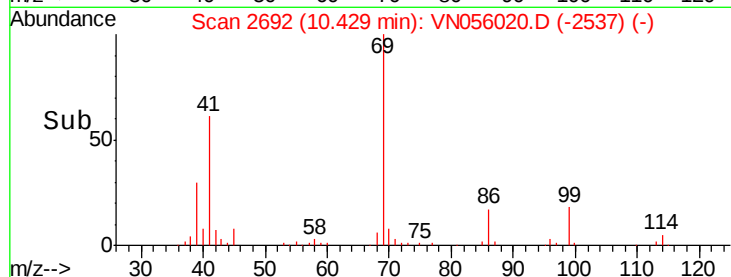
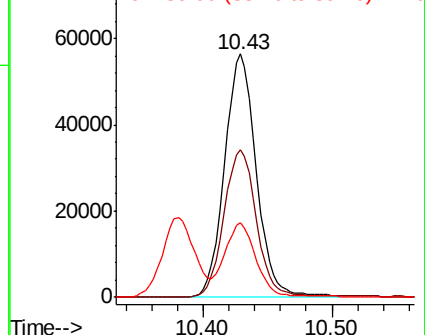
39 30.0 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.210 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056020.D

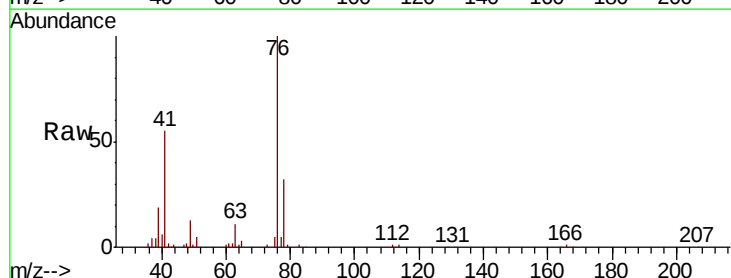
Acq: 5 Jun 2019 21:23

Tgt Ion: 76 Resp: 104523

Ion Ratio Lower Upper

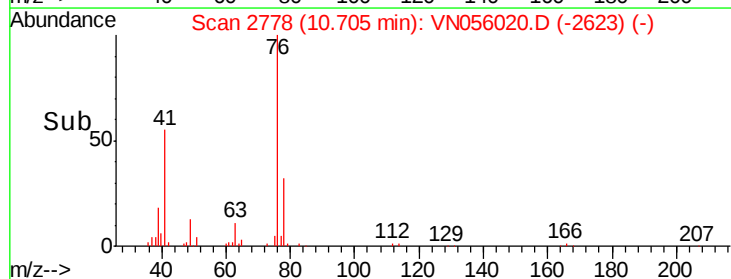
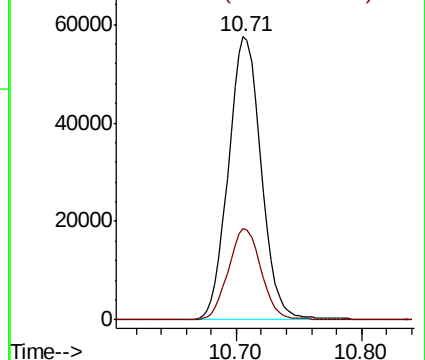
76 100

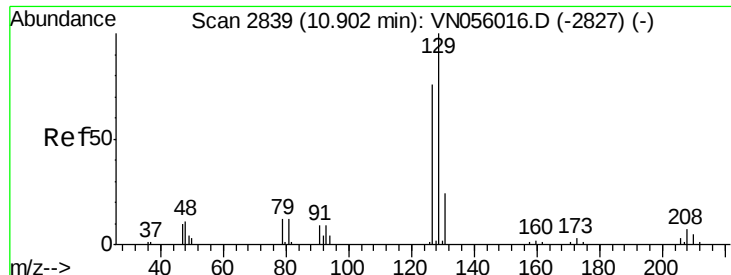
78 32.5 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.034 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

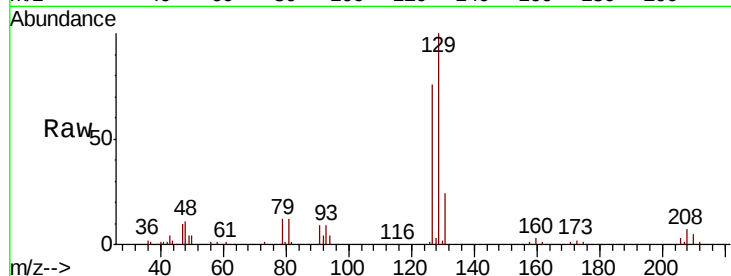
ICVVN060619

Tot Ion:129 Resp: 59440

Ion Ratio Lower Upper

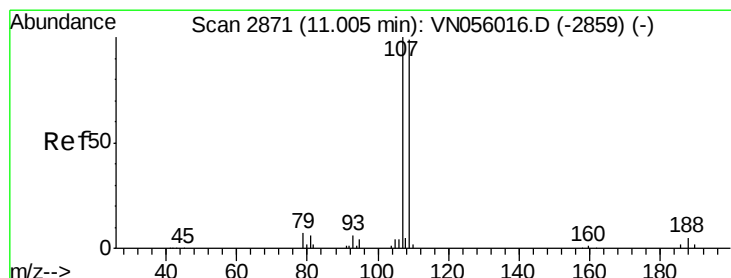
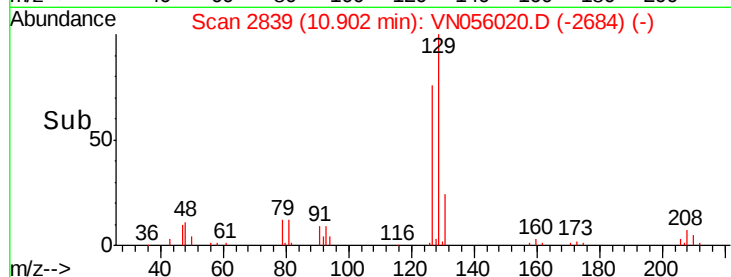
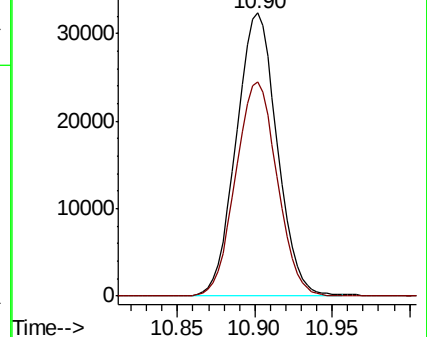
129 100

127 76.6 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.848 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056020.D

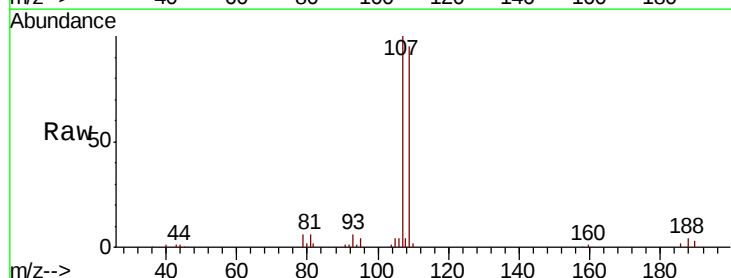
Acq: 5 Jun 2019 21:23

Tgt Ion:107 Resp: 66070

Ion Ratio Lower Upper

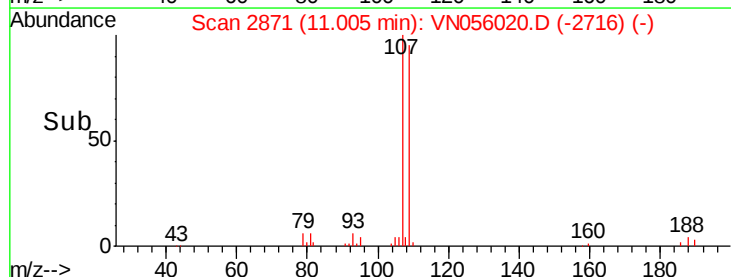
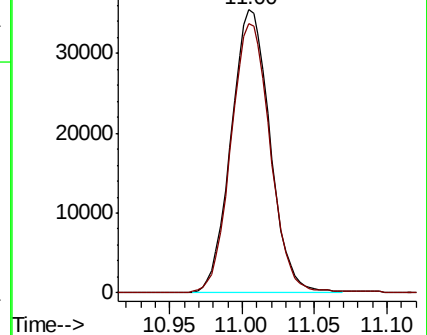
107 100

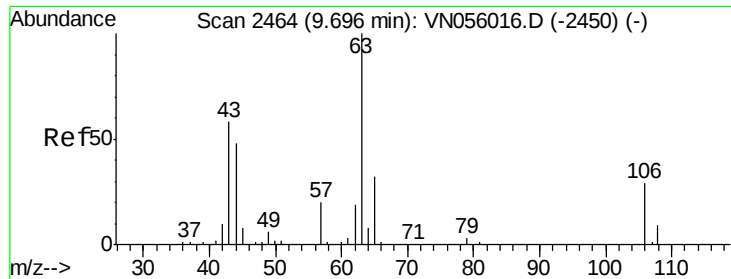
109 95.7 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

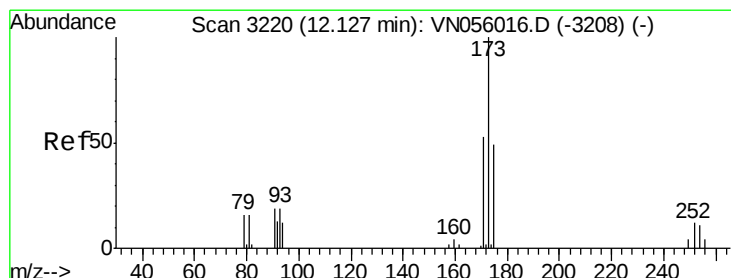
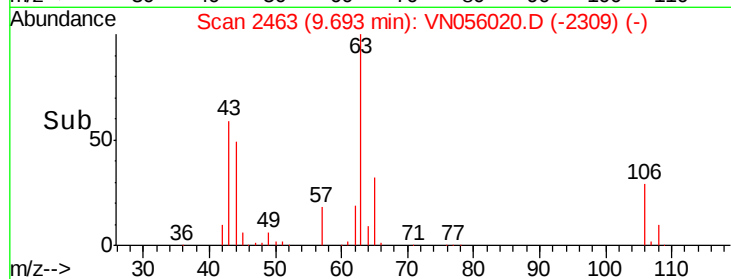
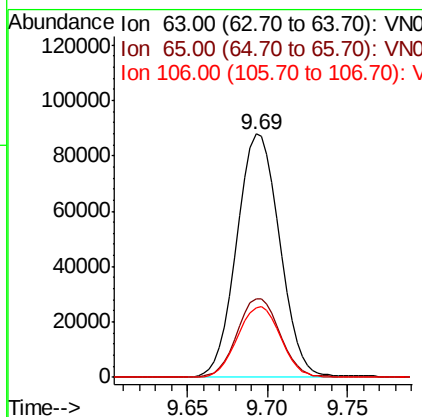
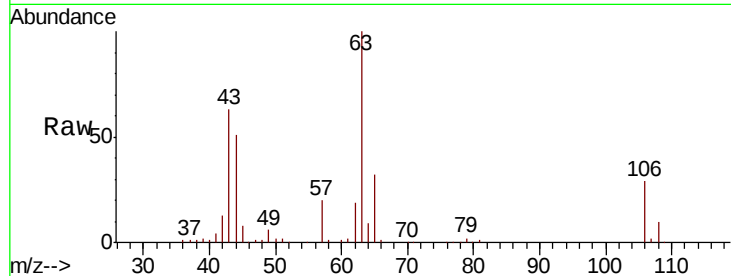




#55
2-Chloroethyl vinyl ether
Concen: 95.442 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

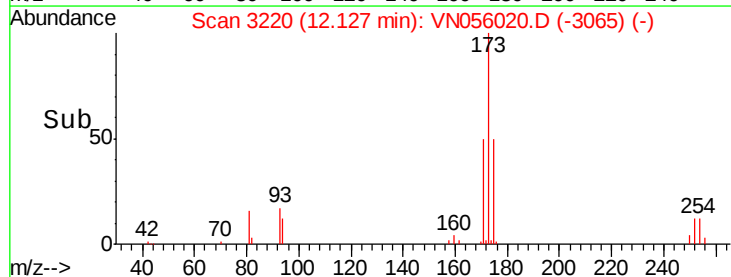
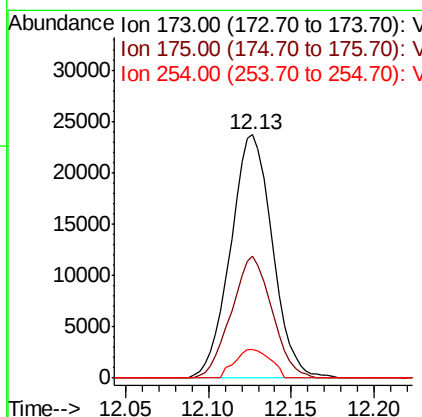
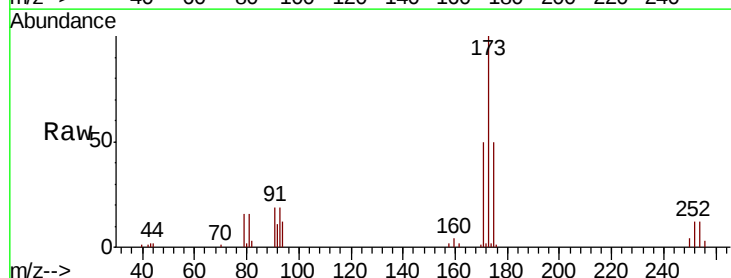
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

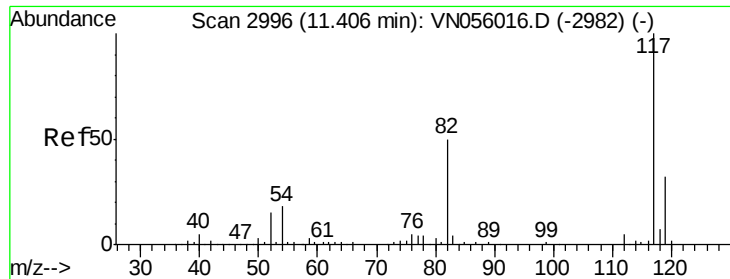
Tot Ion: 63 Resp: 161341
Ion Ratio Lower Upper
63 100
65 32.6 25.5 38.3
106 29.2 23.0 34.4



#56
Bromoform
Concen: 18.467 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 173 Resp: 41718
Ion Ratio Lower Upper
173 100
175 48.6 38.7 58.1
254 9.9 6.6 9.8#

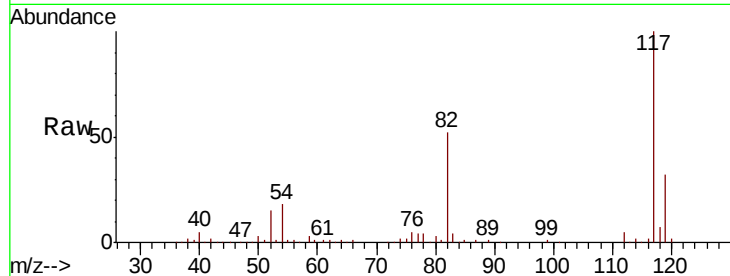




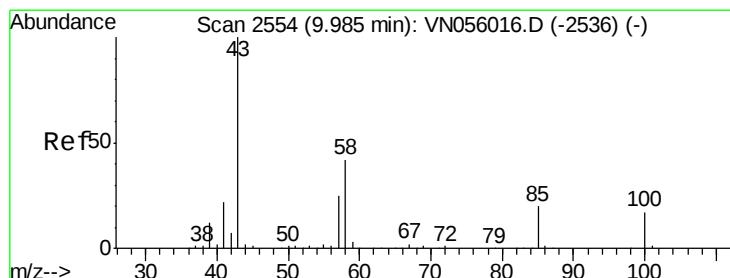
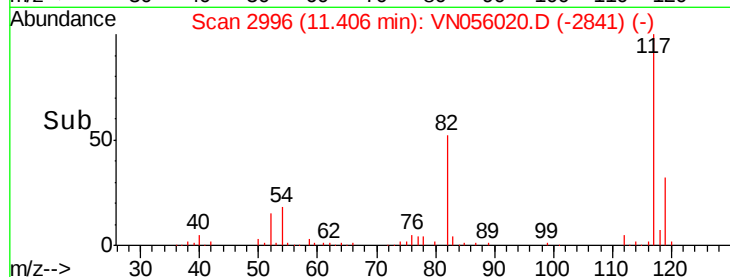
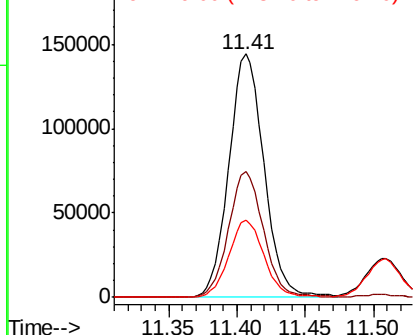
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

Tot Ion:117 Resp: 258928
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 31.7 26.2 39.2

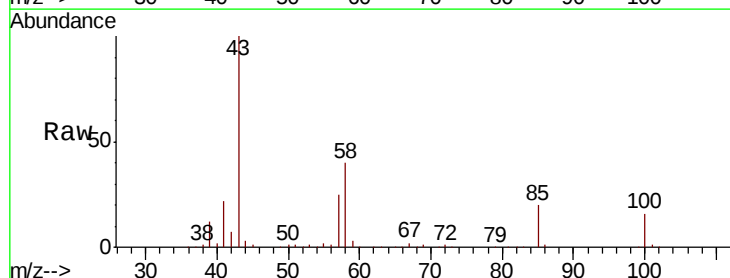


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

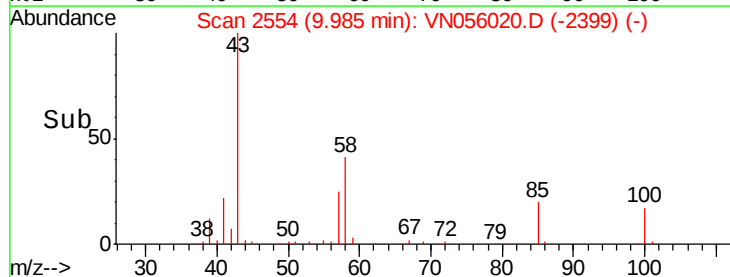
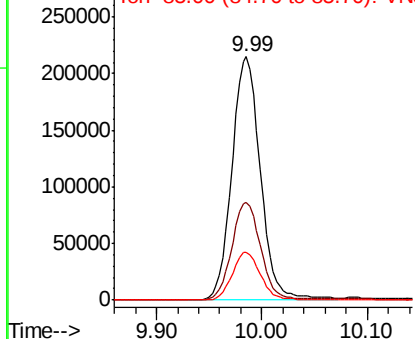


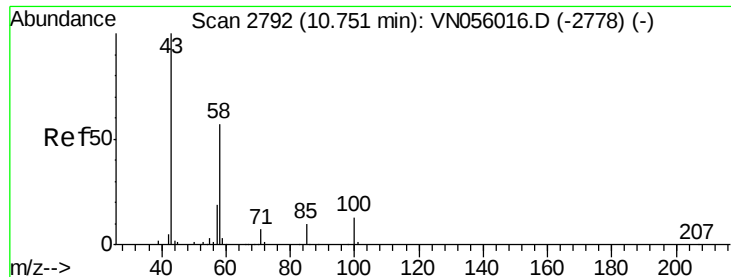
#58
4-Methyl-2-Pentanone
Concen: 102.264 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 43 Resp: 400958
Ion Ratio Lower Upper
43 100
58 41.0 33.1 49.7
85 19.6 15.5 23.3



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

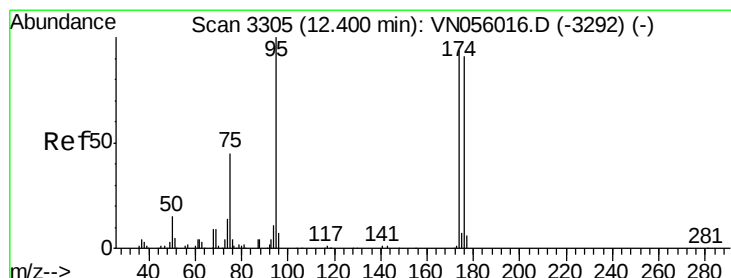
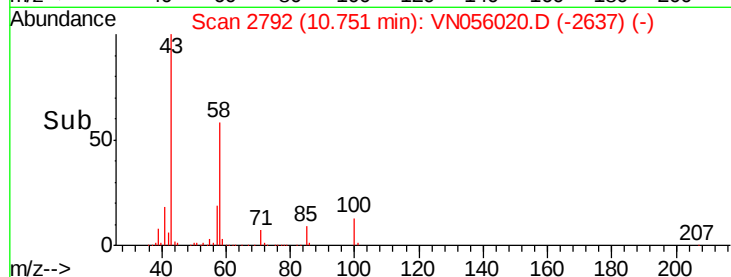
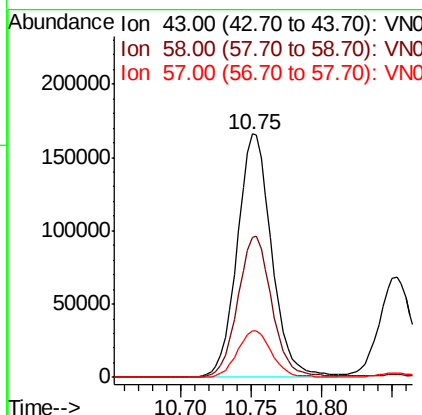
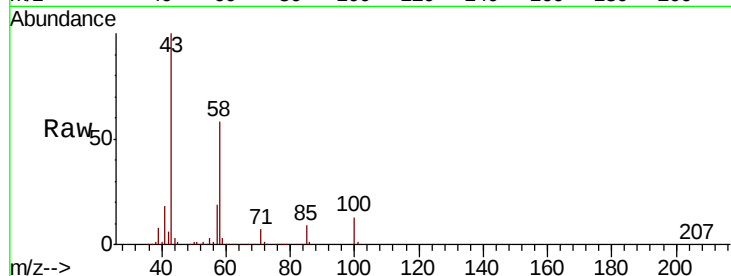




#59
2-Hexanone
Concen: 101.119 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

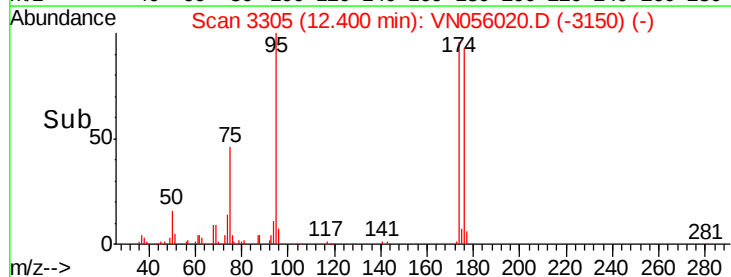
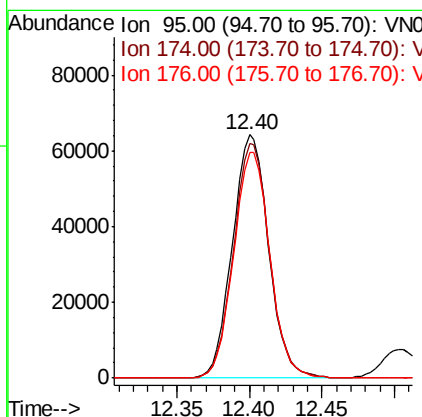
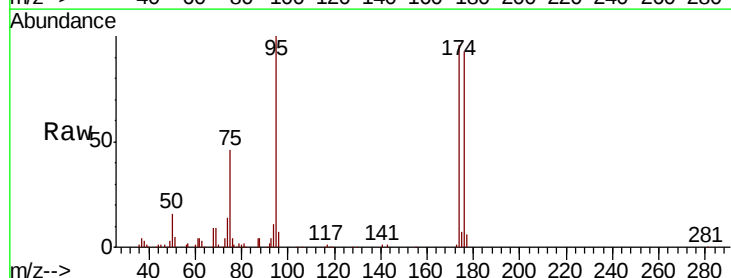
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

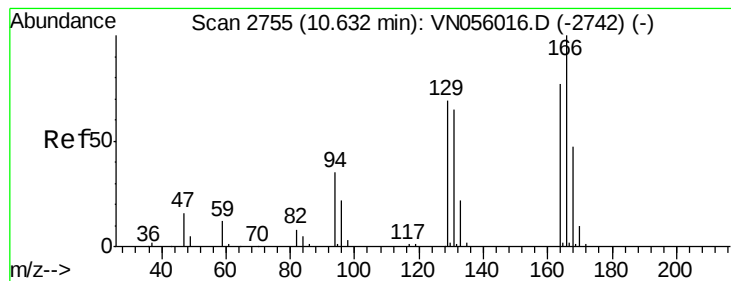
Tot Ion	Ratio	Lower	Upper
43	100		
58	58.1	45.3	67.9
57	19.3	15.6	23.4



#60
4-Bromofluorobenzene
Concen: 29.104 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.6	75.4	113.0
176	92.9	73.9	110.9





#61

Tetrachloroethene

Concen: 20.590 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060619

Tot Ion:164 Resp: 74305

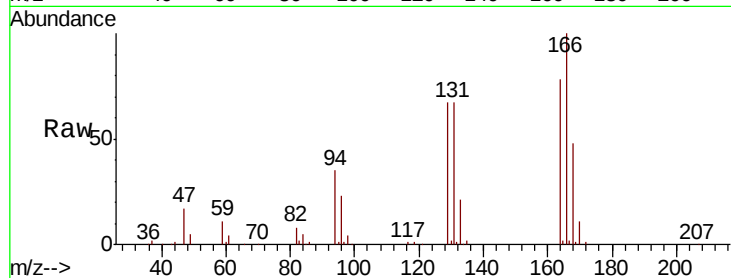
Ion Ratio Lower Upper

164 100

166 127.6 104.3 156.5

129 85.4 71.5 107.3

131 85.1 67.7 101.5



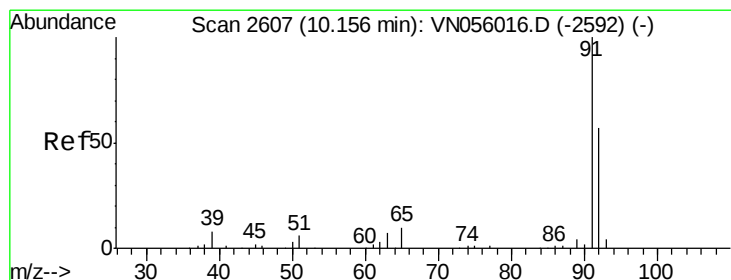
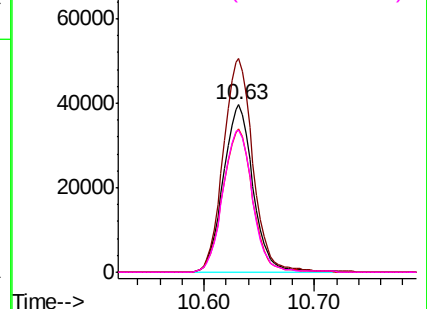
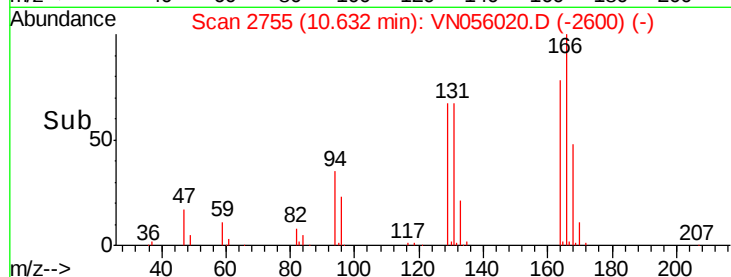
Abundance

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: 20.142 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056020.D

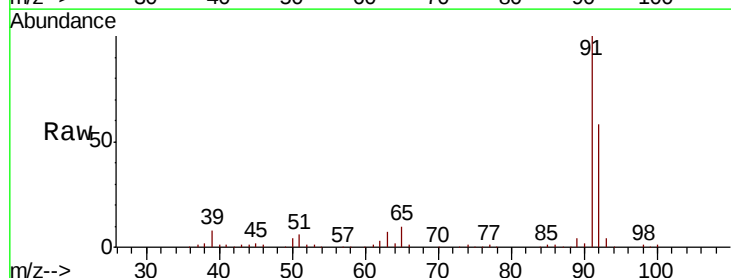
Acq: 5 Jun 2019 21:23

Tgt Ion: 91 Resp: 281541

Ion Ratio Lower Upper

91 100

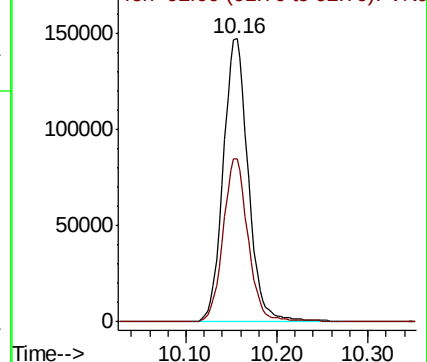
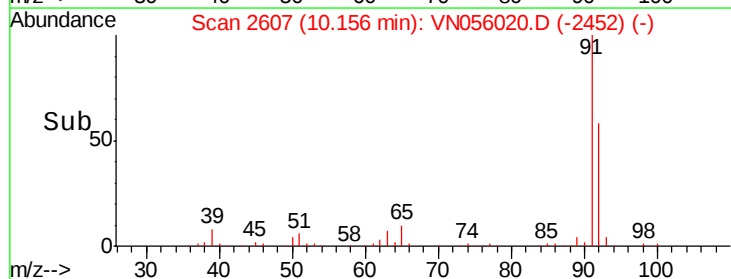
92 57.5 45.5 68.3

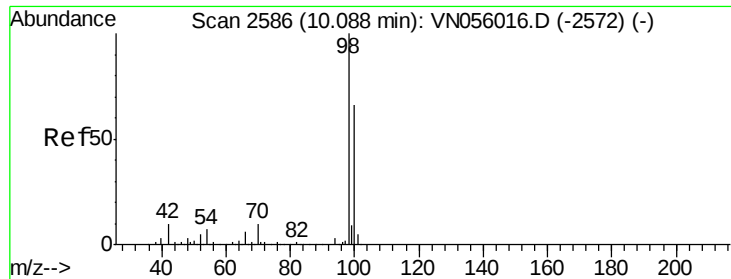


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

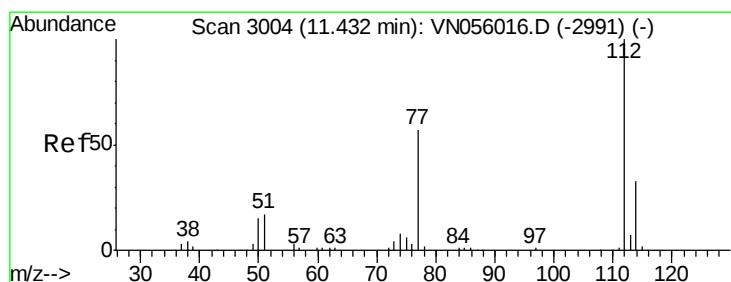
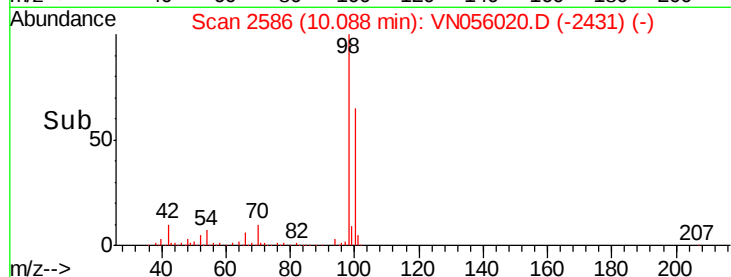
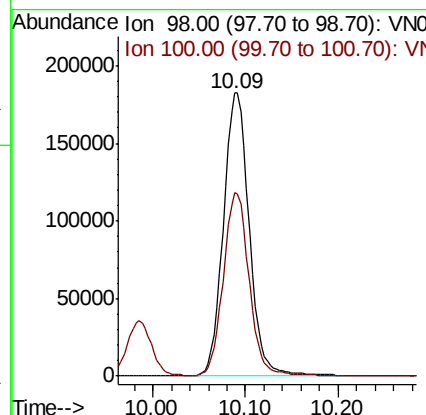
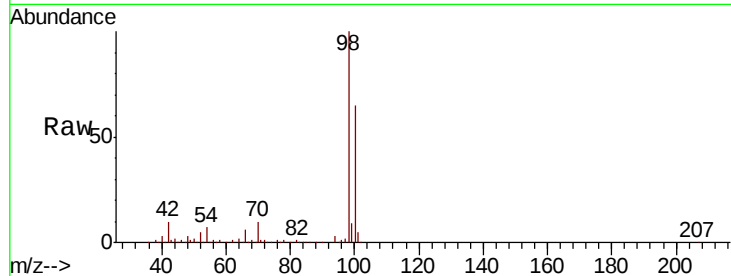




#63
Toluene-d8
Concen: 30.151 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

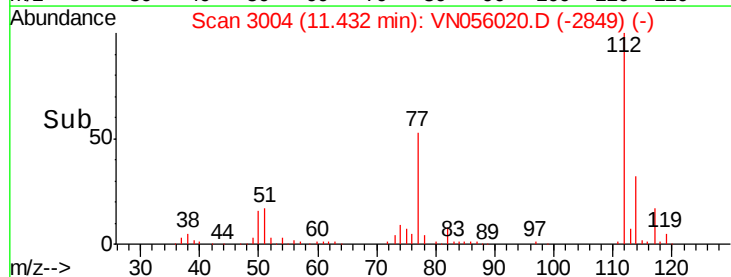
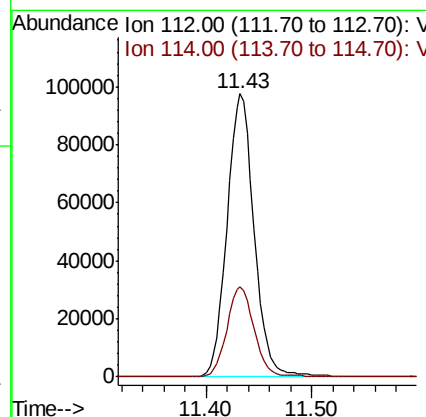
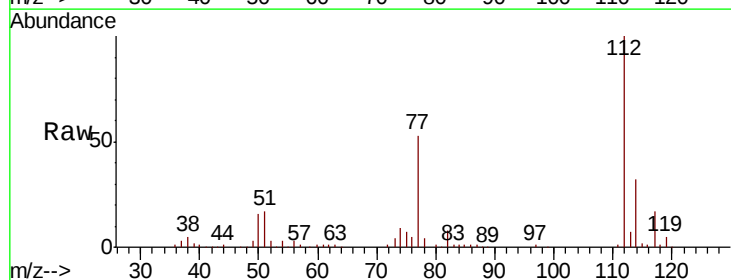
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

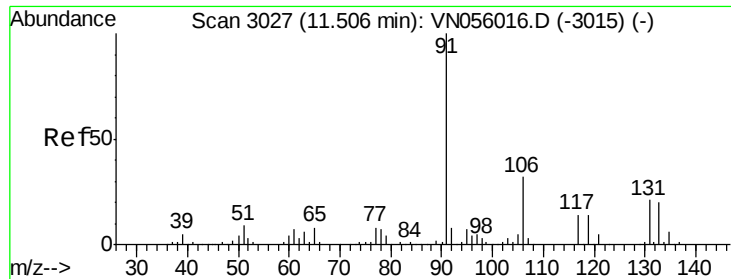
Tot Ion: 98 Resp: 354146
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#64
Chlorobenzene
Concen: 20.416 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 112 Resp: 173096
Ion Ratio Lower Upper
112 100
114 31.9 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.005 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060619

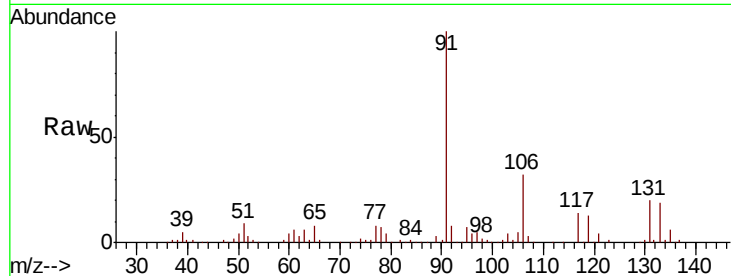
Tot Ion:131 Resp: 61160

Ion Ratio Lower Upper

131 100

133 94.5 0.0 193.8

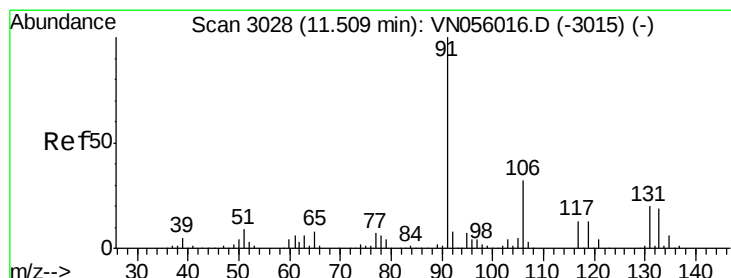
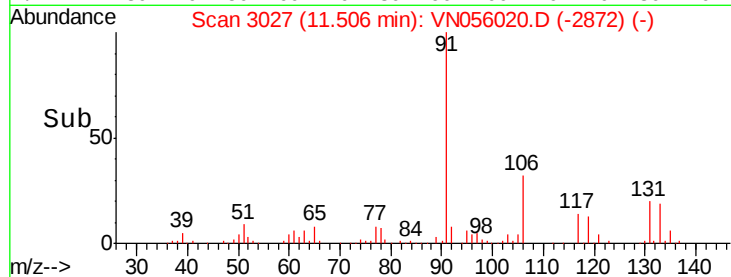
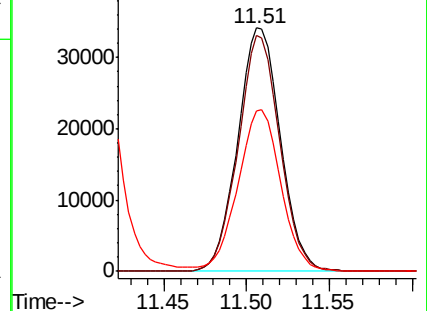
119 66.7 0.0 134.4



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: 20.206 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056020.D

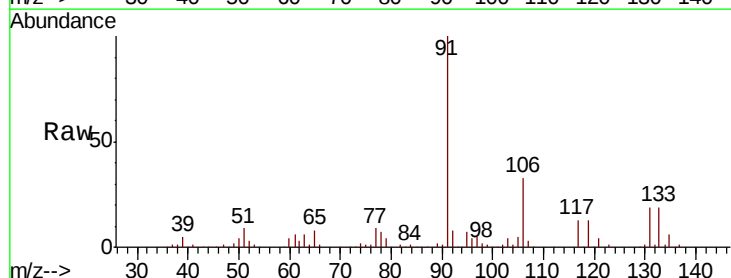
Acq: 5 Jun 2019 21:23

Tgt Ion: 91 Resp: 300822

Ion Ratio Lower Upper

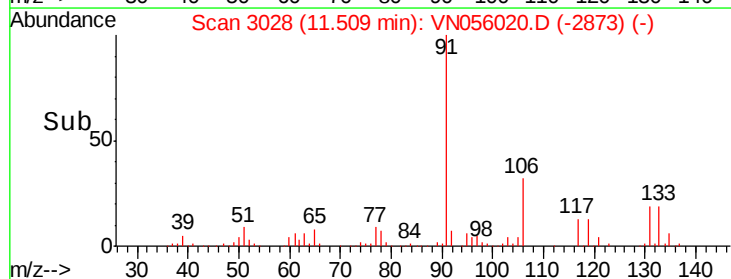
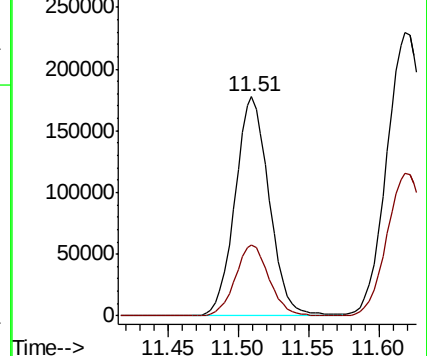
91 100

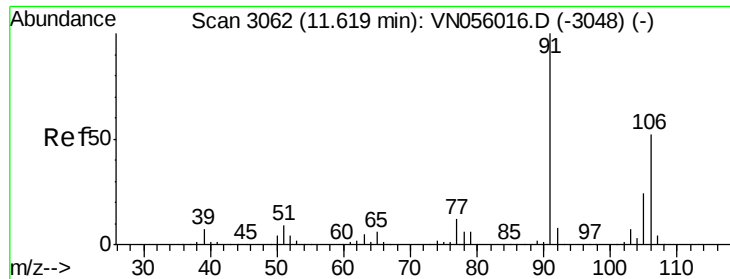
106 32.6 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

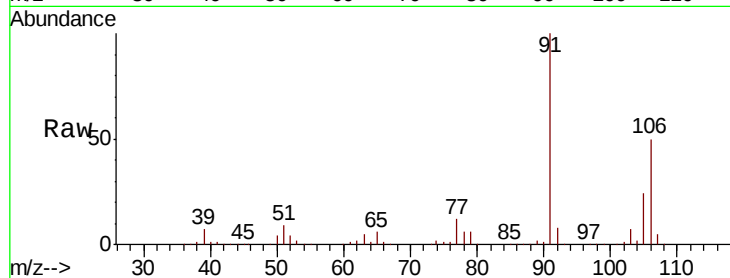




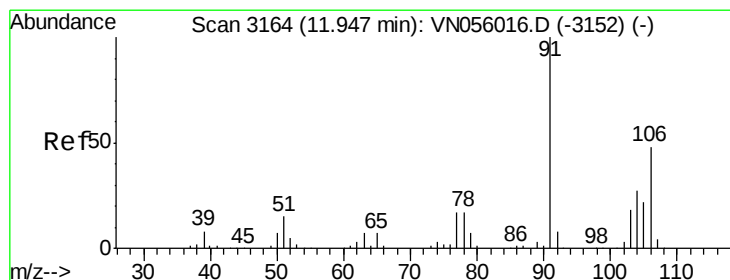
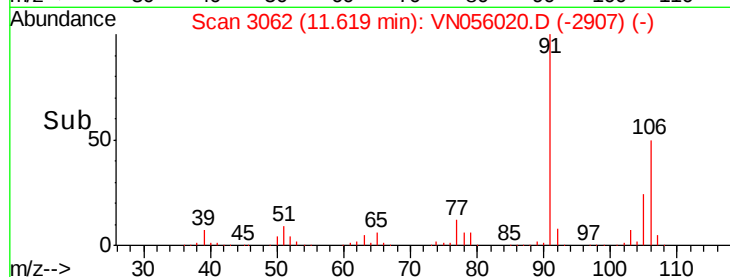
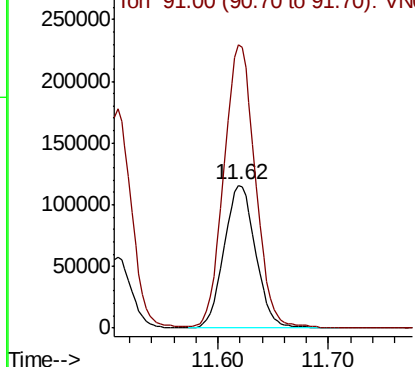
#67
m/p-Xylenes
Concen: 40.355 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICV0560619

Tot Ion:106 Resp: 229964
Ion Ratio Lower Upper
106 100
91 196.9 155.7 233.5

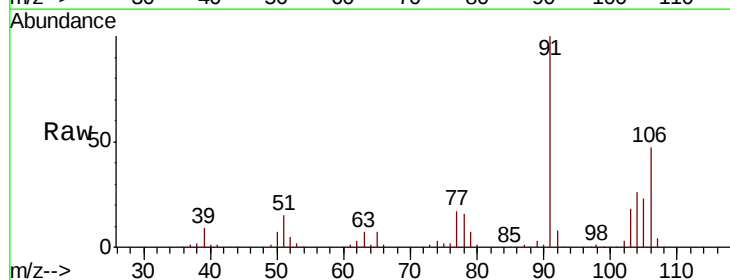


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

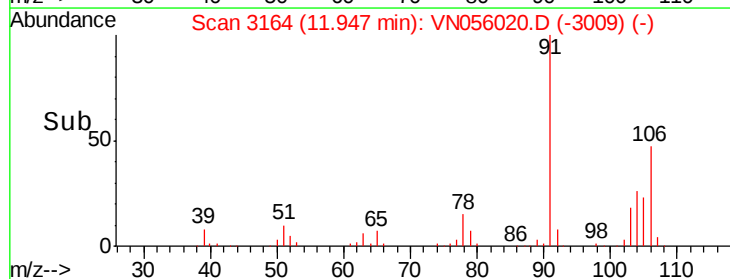
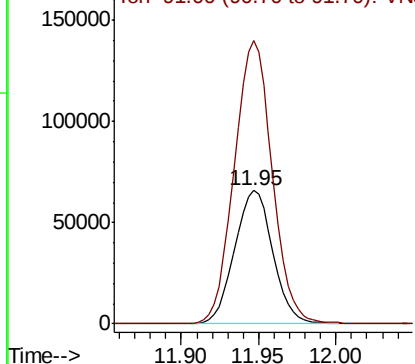


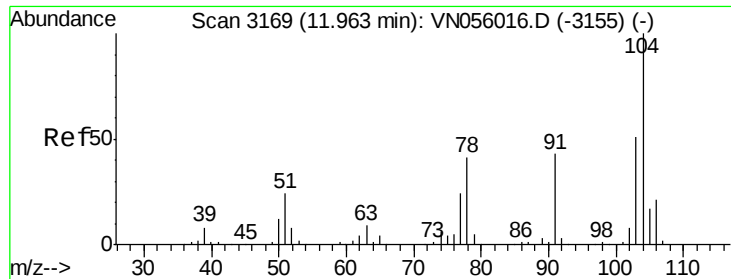
#68
o-Xylene
Concen: 20.321 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion:106 Resp: 113369
Ion Ratio Lower Upper
106 100
91 210.3 103.9 311.7



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

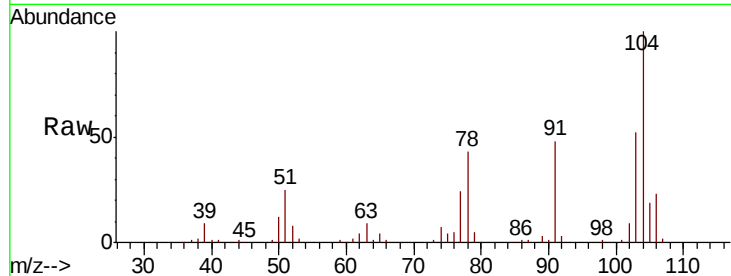




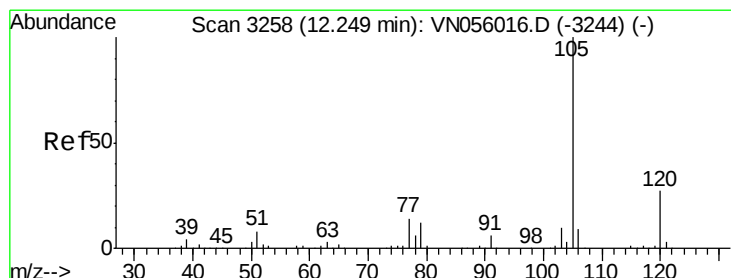
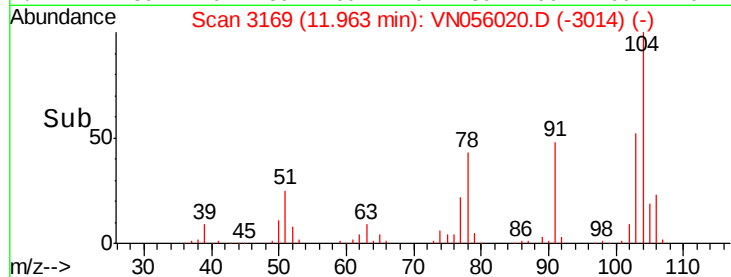
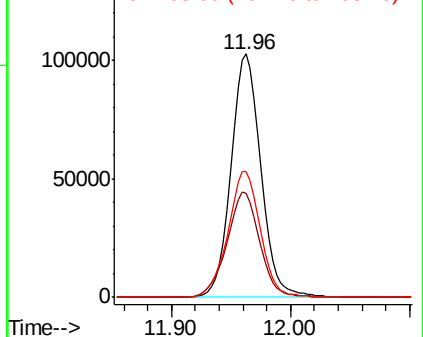
#69
Stvrene
Concen: 19.716 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion:104 Resp: 178709
Ion Ratio Lower Upper
104 100
78 47.5 37.0 55.6
103 56.3 44.4 66.6

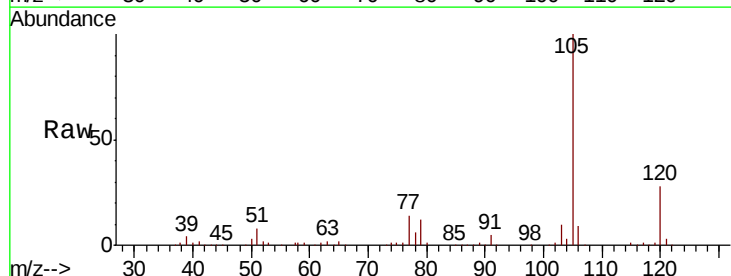


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

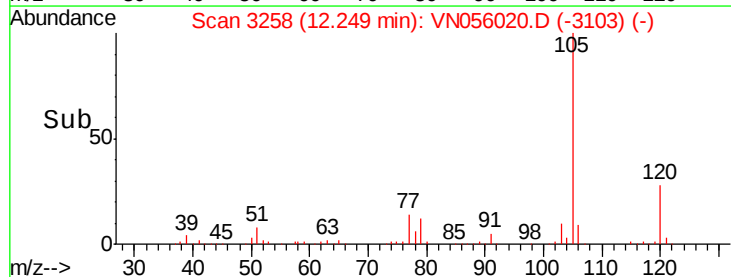
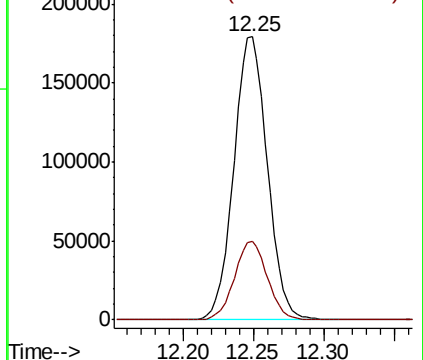


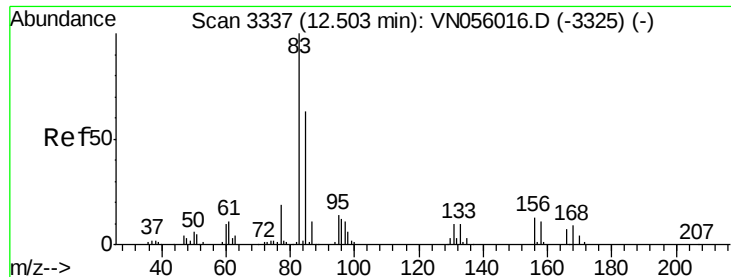
#70
Isopropylbenzene
Concen: 20.484 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion:105 Resp: 298570
Ion Ratio Lower Upper
105 100
120 27.2 19.3 35.8



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

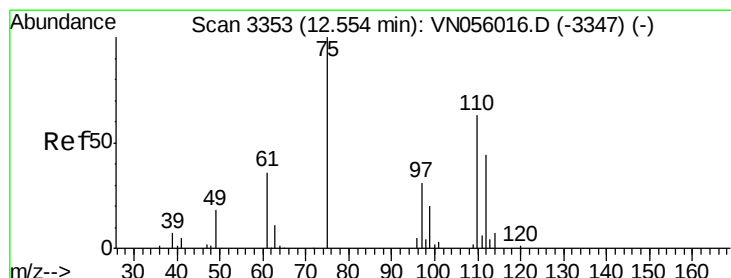
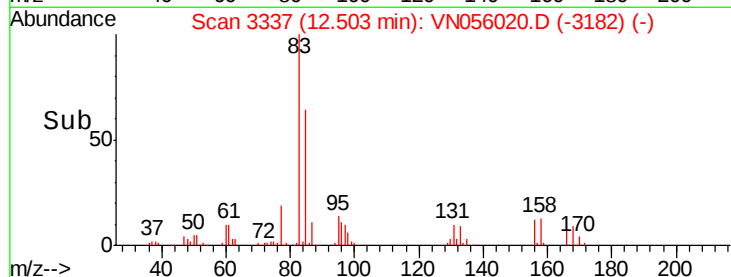
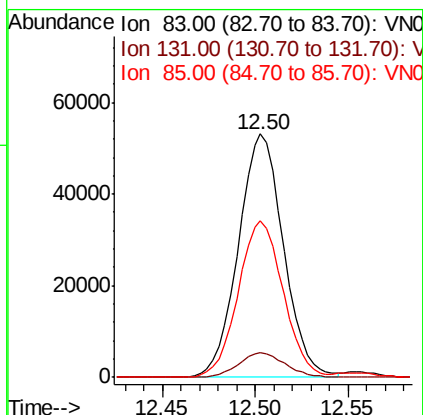
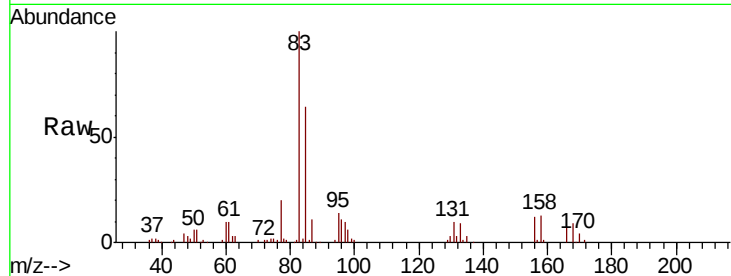




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.465 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

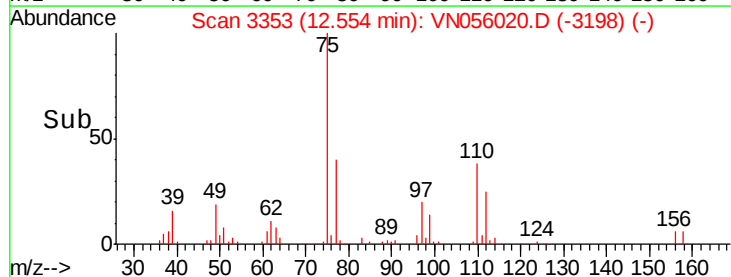
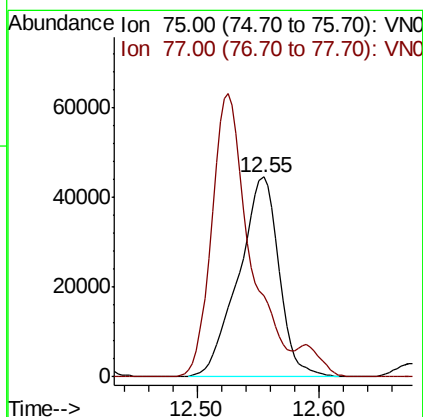
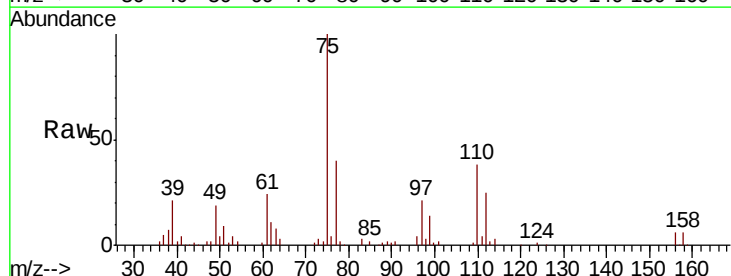
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

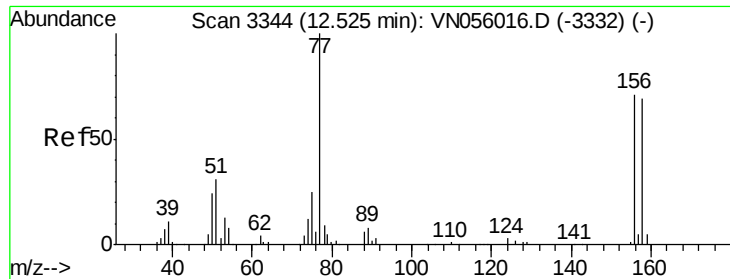
Tot Ion	83	Resp	89933
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.1	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 26.733 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	75	Resp	101704
Ion Ratio	Lower	Upper	
75	100		
77	134.9	0.0	350.0





#73

Bromobenzene

Concen: 20.294 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampled :

ICV060619

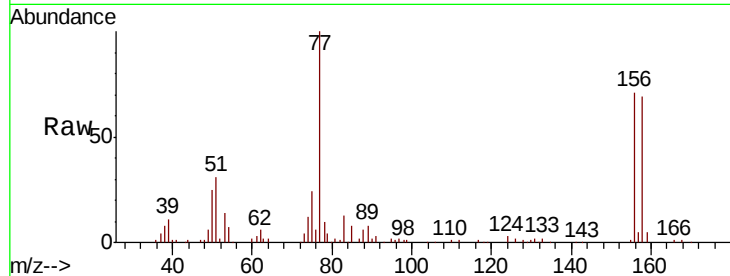
Tot Ion:156 Resp: 78518

Ion Ratio Lower Upper

156 100

77 174.7 0.0 350.8

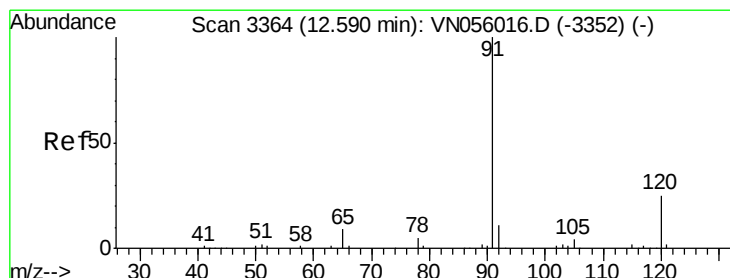
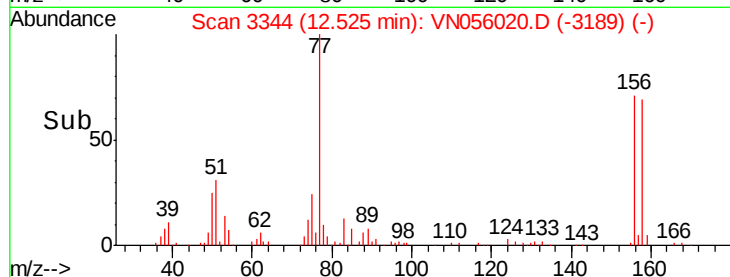
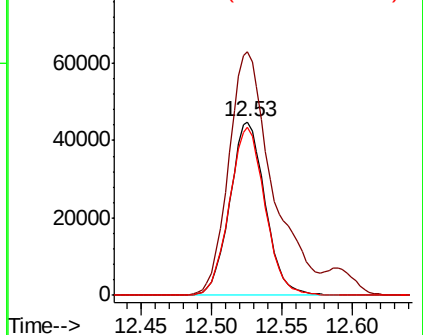
158 97.6 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.121 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056020.D

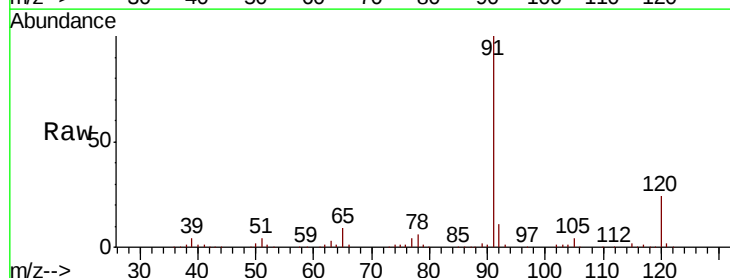
Acq: 5 Jun 2019 21:23

Tgt Ion: 91 Resp: 309507

Ion Ratio Lower Upper

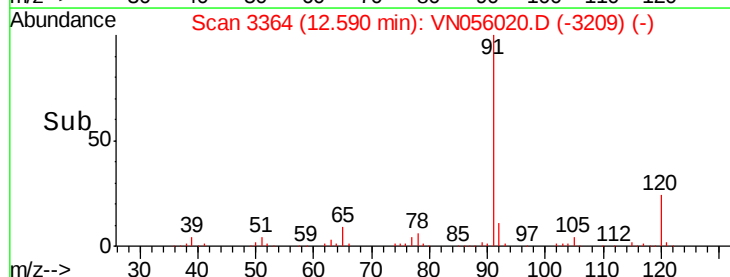
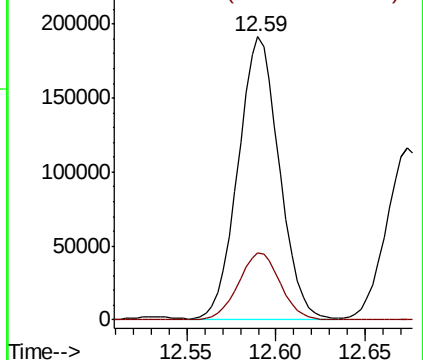
91 100

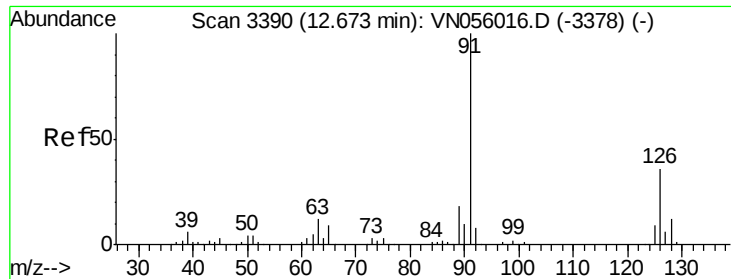
120 24.1 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.549 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampled :

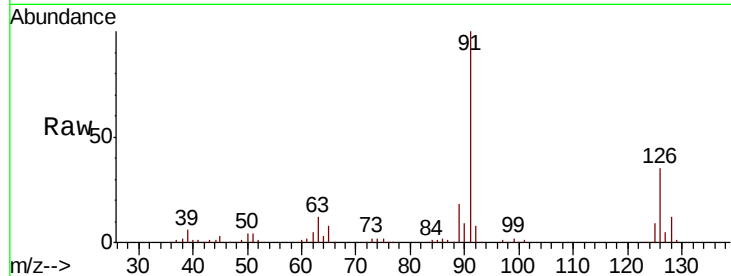
ICV060619

Tot Ion: 91 Resp: 196057

Ion Ratio Lower Upper

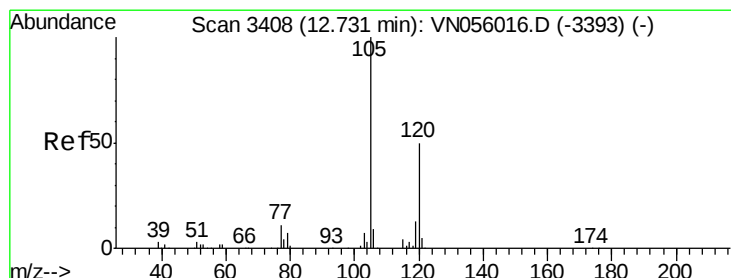
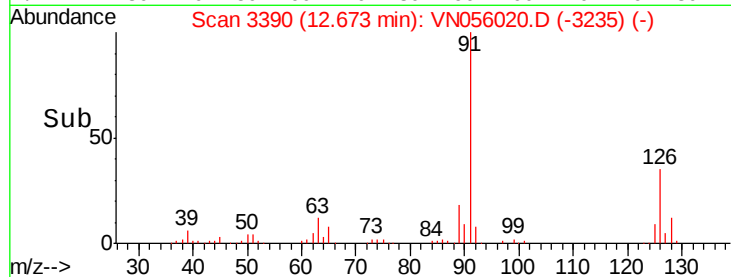
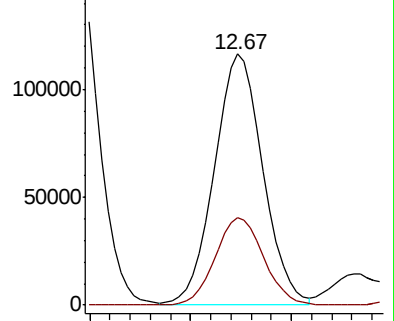
91 100

126 34.8 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.219 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056020.D

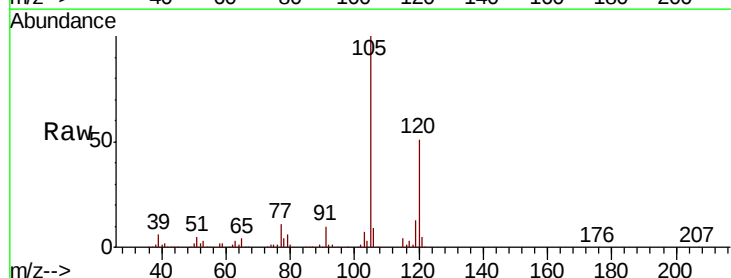
Acq: 5 Jun 2019 21:23

Tgt Ion: 105 Resp: 242416

Ion Ratio Lower Upper

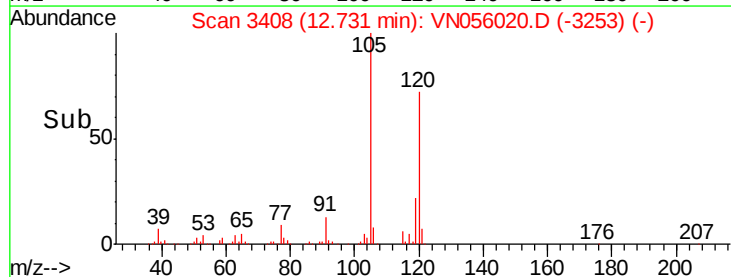
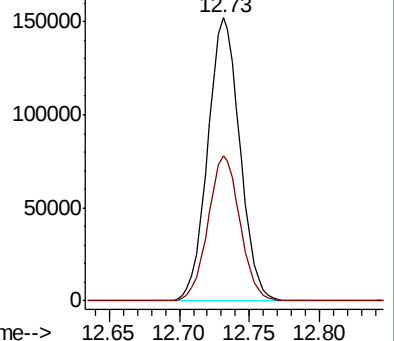
105 100

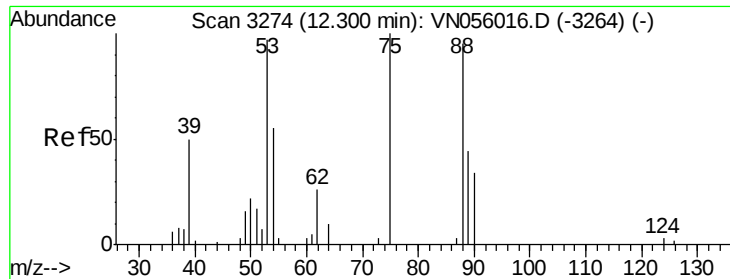
120 50.9 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056016.D (-3393) (-)

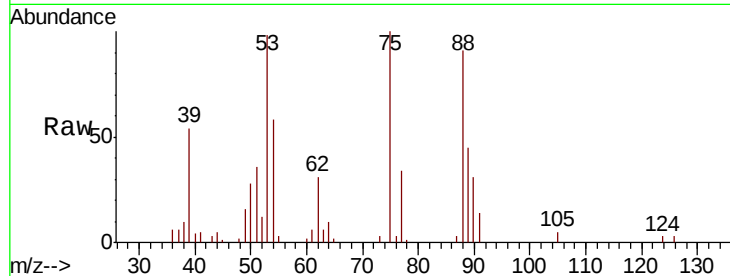




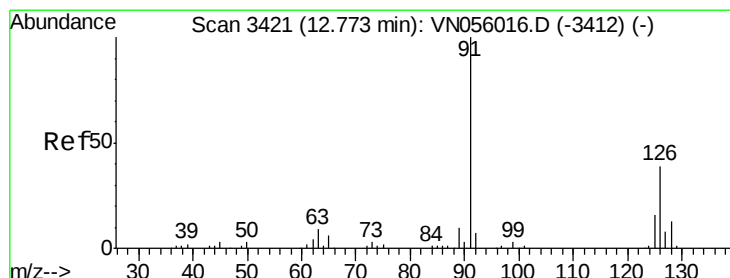
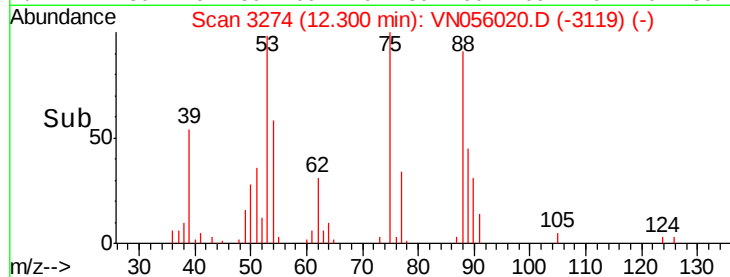
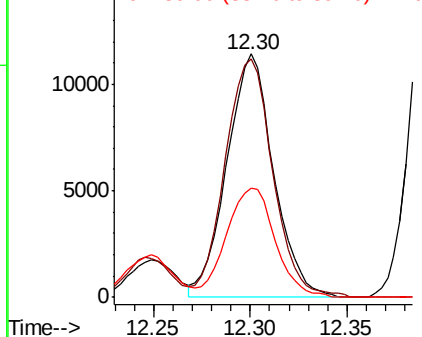
#77
t-1,4-Dichloro-2-butene
Concen: 17.679 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN060619

Tot Ion: 75 Resp: 19191
Ion Ratio Lower Upper
75 100
53 96.4 48.0 144.0
89 44.8 22.5 67.5

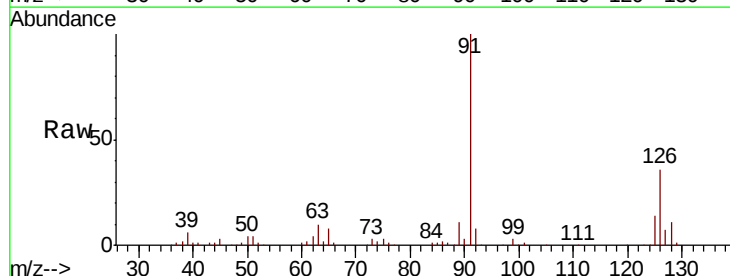


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

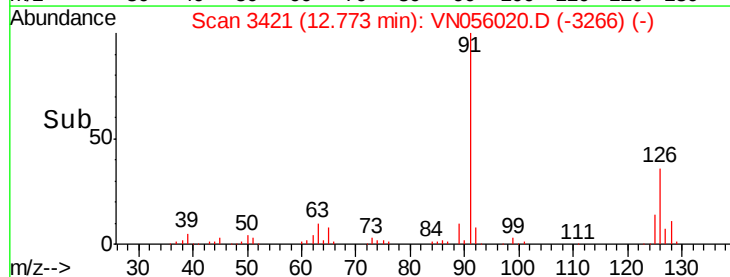
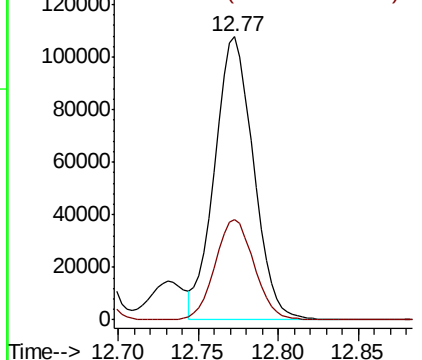


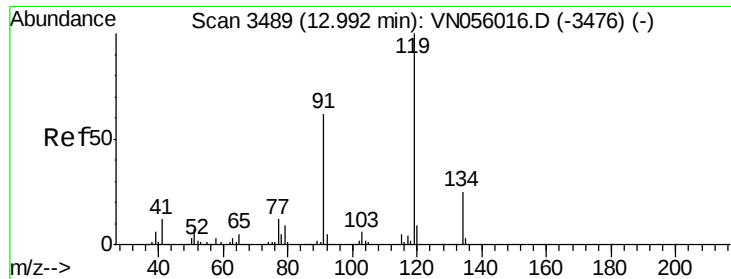
#78
4-Chlorotoluene
Concen: 20.018 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion: 91 Resp: 178372
Ion Ratio Lower Upper
91 100
126 35.8 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

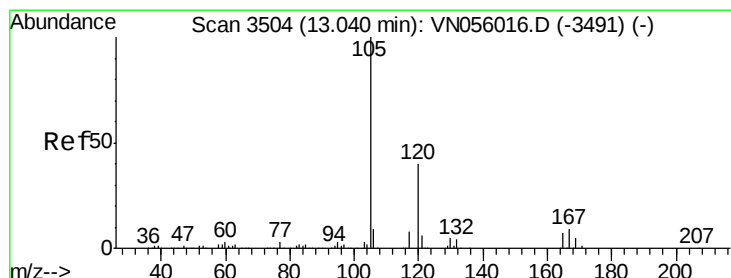
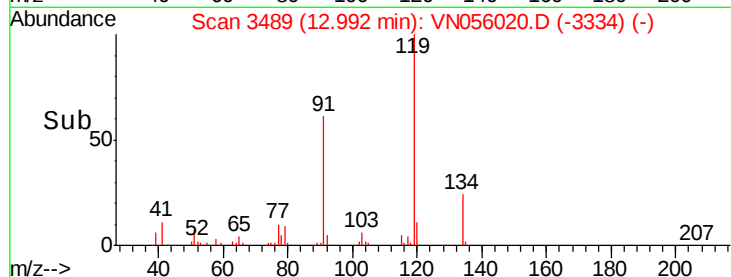
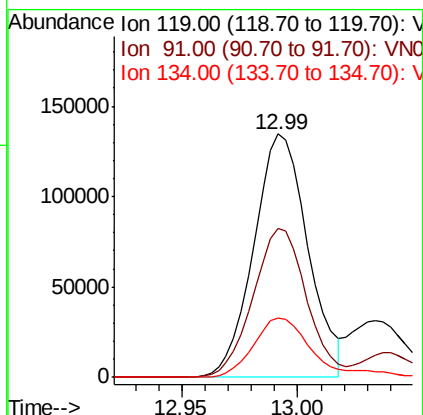
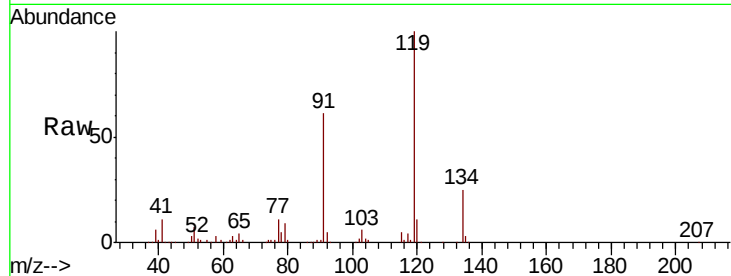




#79
tert-butylbenzene
Concen: 20.614 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

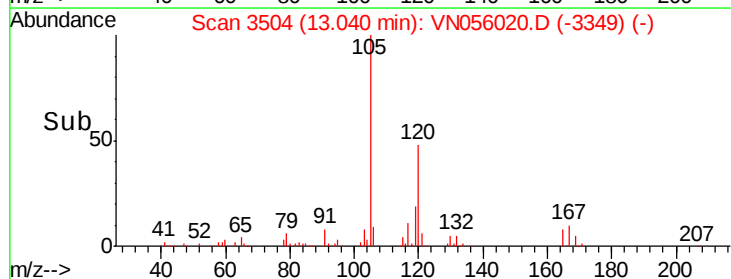
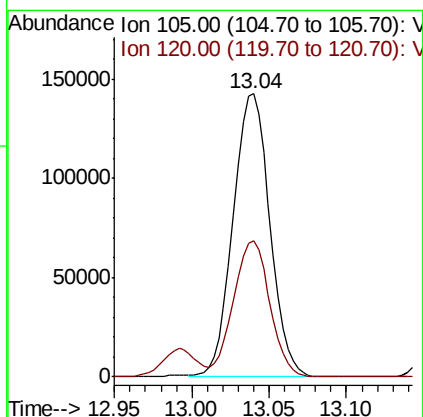
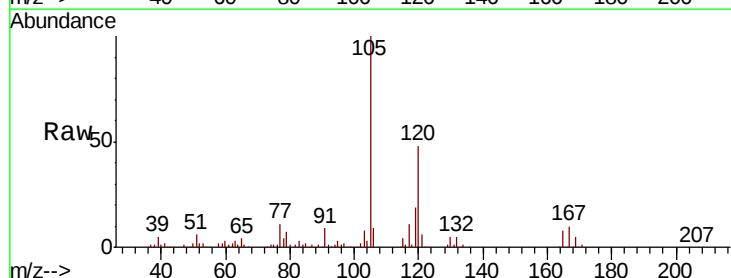
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060619

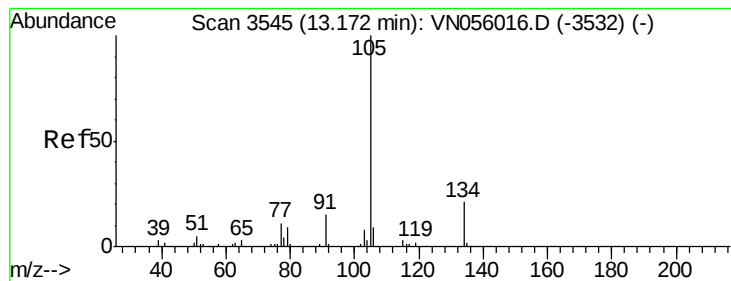
Tot Ion:119 Resp: 218973
Ion Ratio Lower Upper
119 100
91 60.5 0.0 122.8
134 26.8 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 20.202 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056020.D
Acq: 5 Jun 2019 21:23

Tgt Ion:105 Resp: 235625
Ion Ratio Lower Upper
105 100
120 47.5 0.0 93.4





#81

sec-Butylbenzene

Concen: 20.446 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

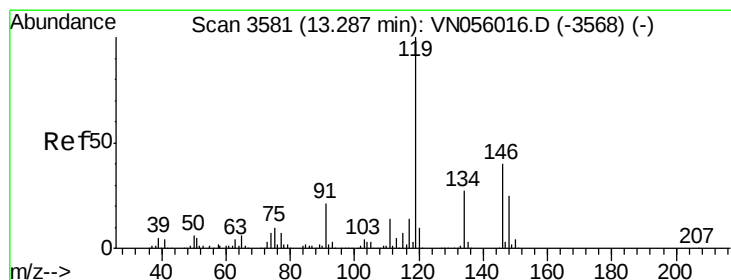
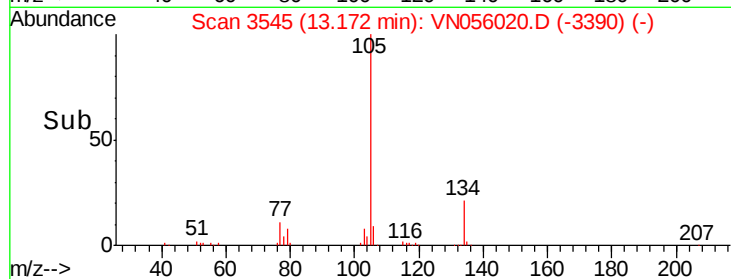
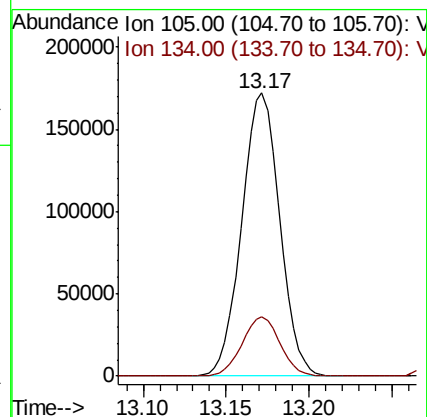
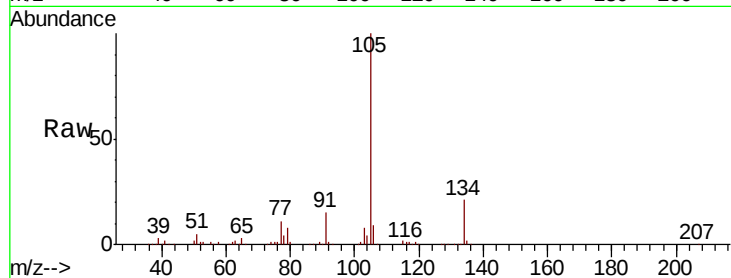
ICV0560619

Tot Ion:105 Resp: 274746

Ion Ratio Lower Upper

105 100

134 20.8 0.0 41.8



#82

p-Isopropyltoluene

Concen: 20.132 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

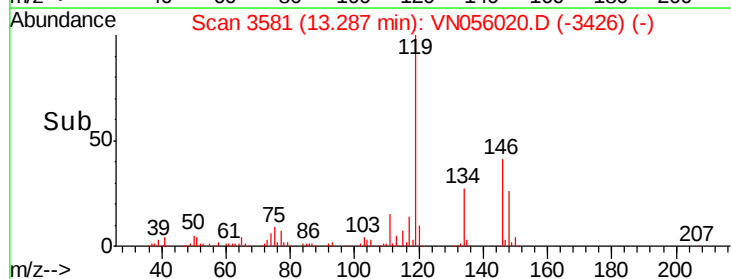
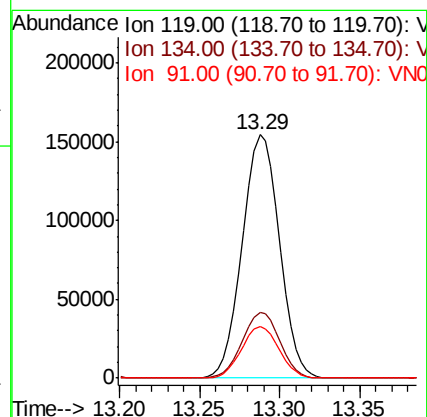
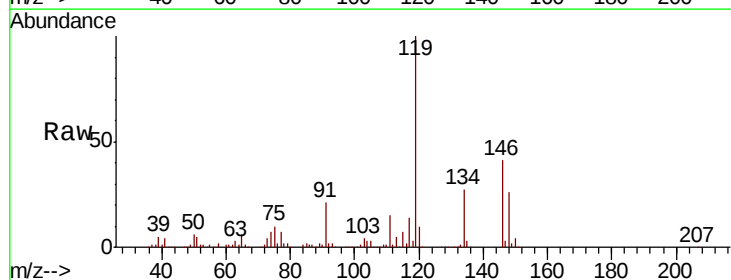
Tgt Ion:119 Resp: 244596

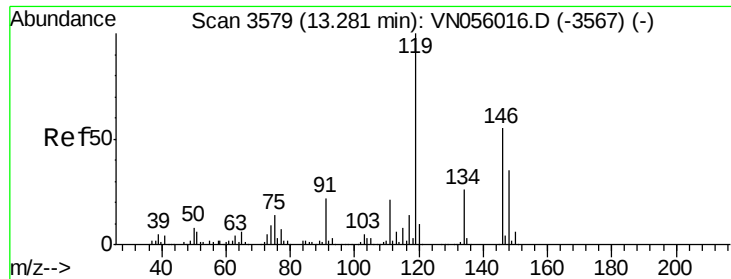
Ion Ratio Lower Upper

119 100

134 27.1 0.0 53.4

91 21.4 0.0 43.0

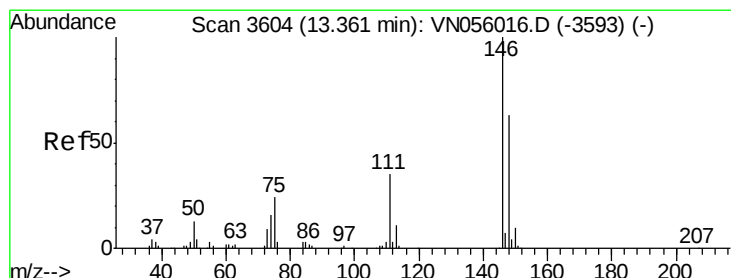
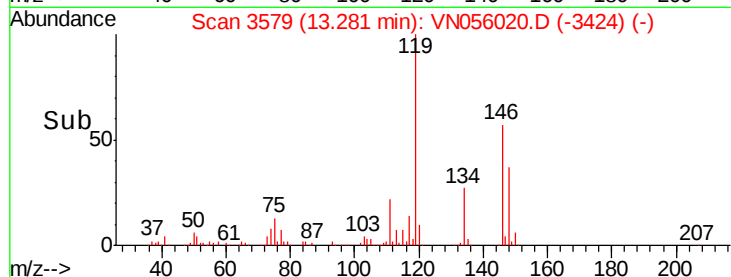
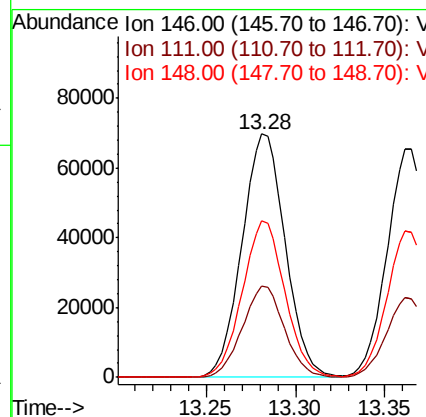
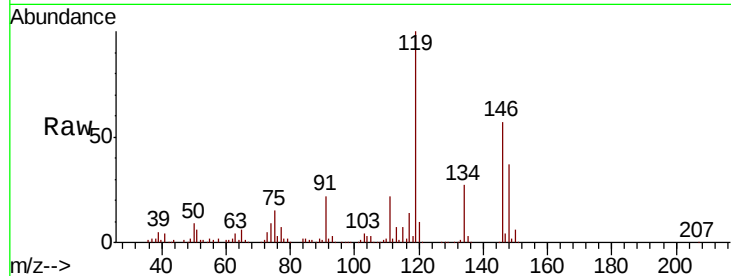




#83
 1,3-Dichlorobenzene
 Concen: 19.633 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

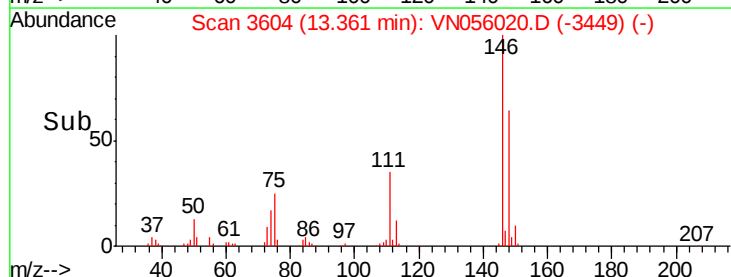
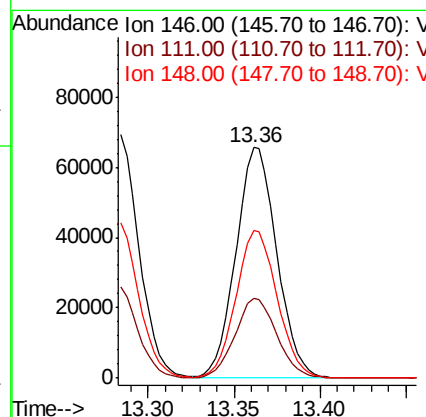
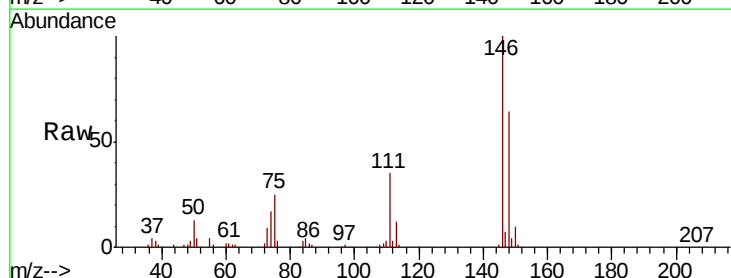
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

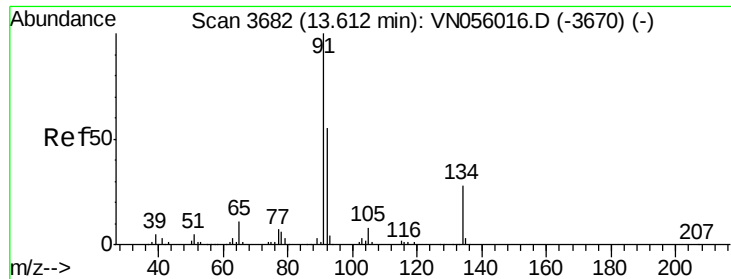
Tot Ion:146 Resp: 118377
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.2 54.6
 148 63.4 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 18.926 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion:146 Resp: 108699
 Ion Ratio Lower Upper
 146 100
 111 35.3 17.6 52.9
 148 64.4 32.1 96.3





#85

n-Butylbenzene

Concen: 18.910 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampled :

ICV060619

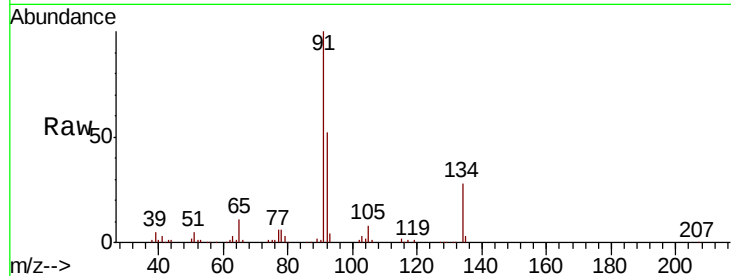
Tot Ion: 91 Resp: 171469

Ion Ratio Lower Upper

91 100

92 52.5 0.0 107.2

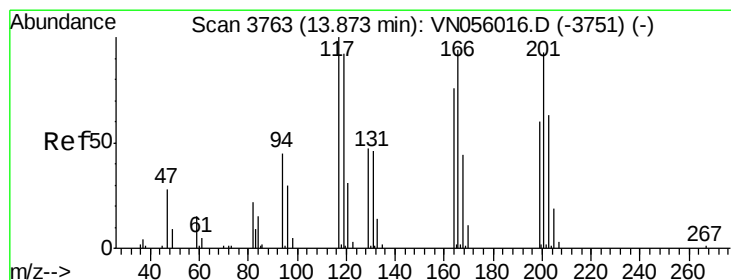
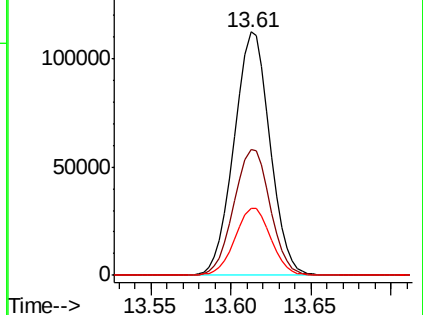
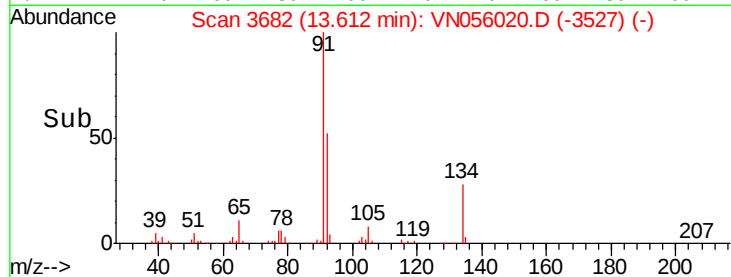
134 27.5 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056020.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN056020.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN056020.D (-3527) (-)



#86

Hexachloroethane

Concen: 18.926 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056020.D

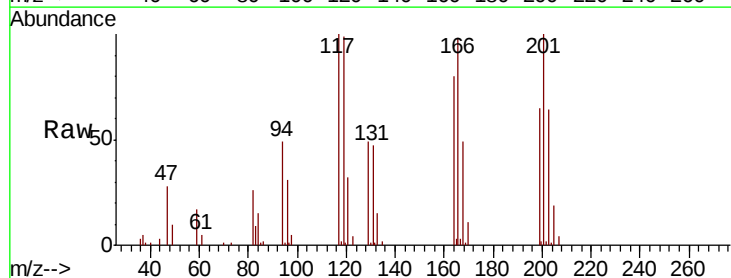
Acq: 5 Jun 2019 21:23

Tgt Ion: 117 Resp: 35847

Ion Ratio Lower Upper

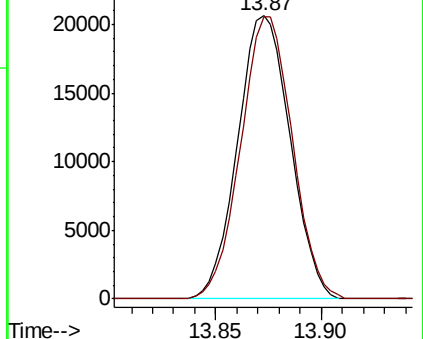
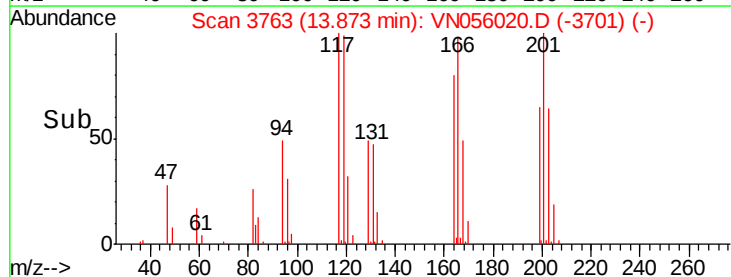
117 100

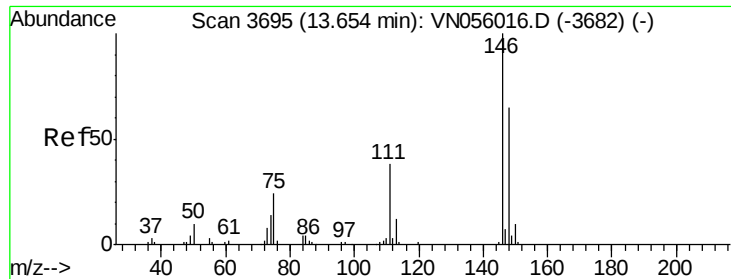
201 97.5 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056020.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN056020.D (-3701) (-)

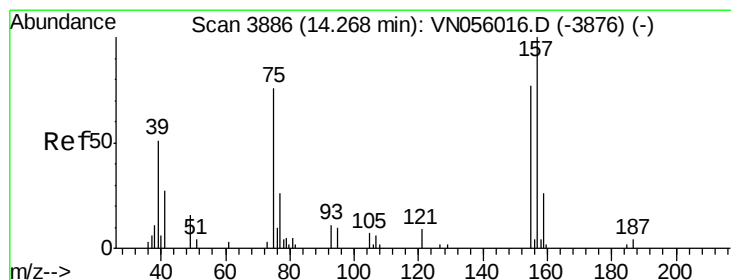
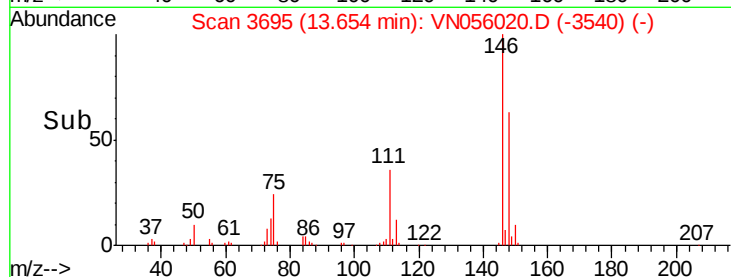
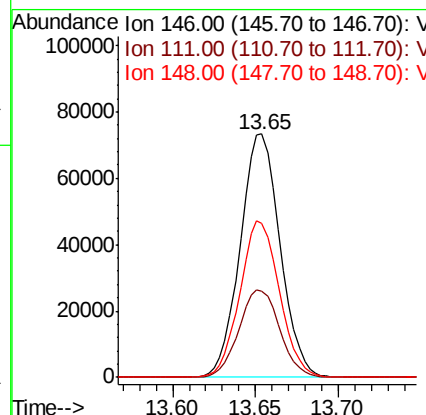
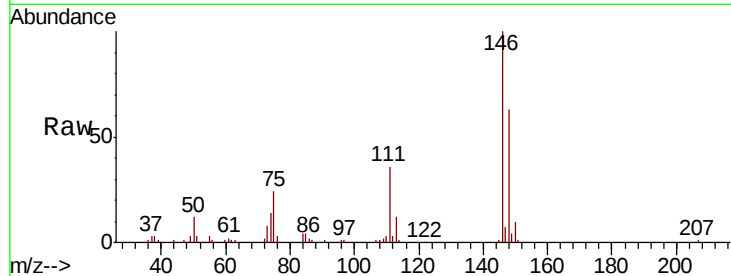




#87
 1,2-Dichlorobenzene
 Concen: 20.018 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

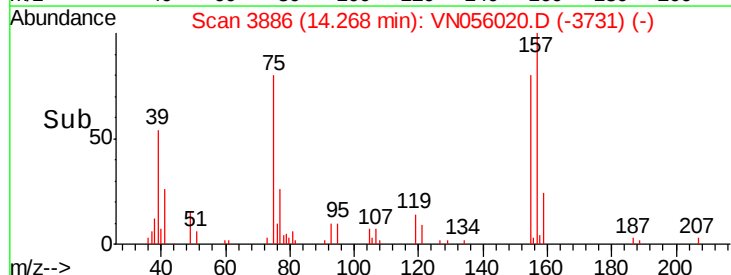
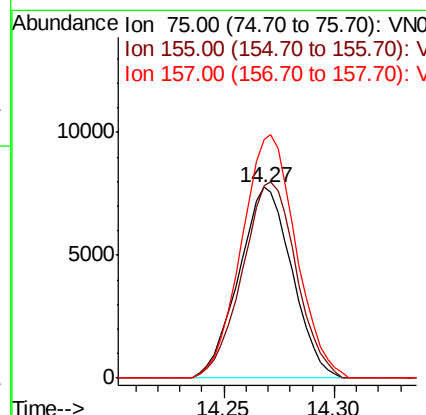
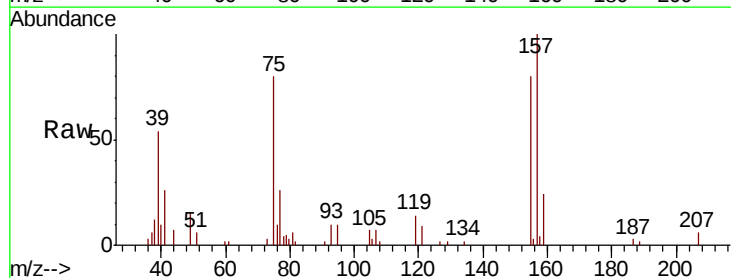
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

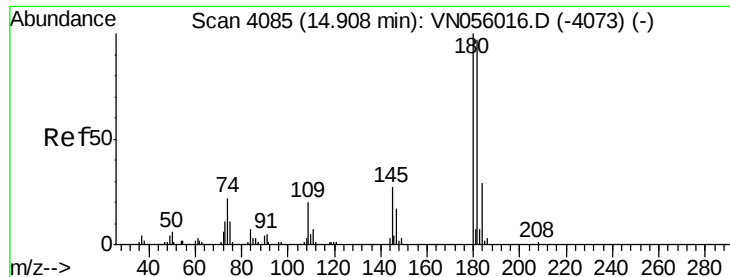
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.3	57.9
148	63.8	32.6	97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.896 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.2	82.5	123.7
157	129.8	105.1	157.7

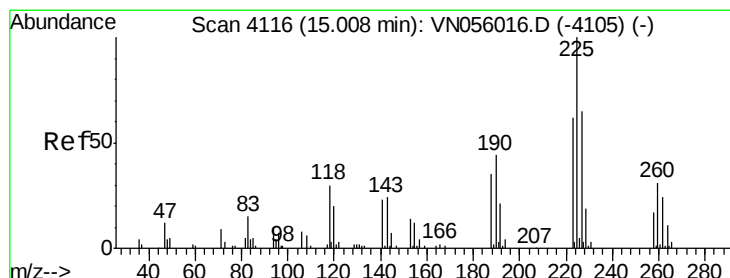
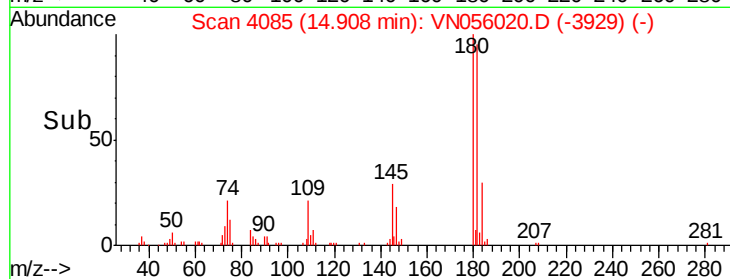
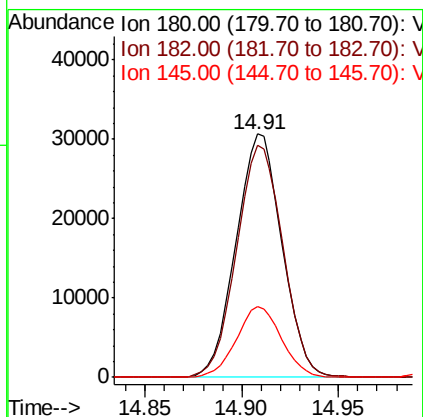
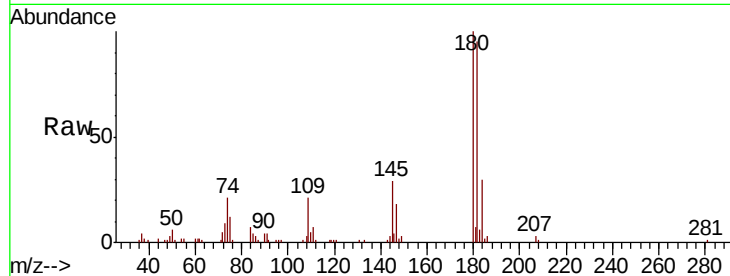




#89
 1,2,4-Trichlorobenzene
 Concen: 20.345 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

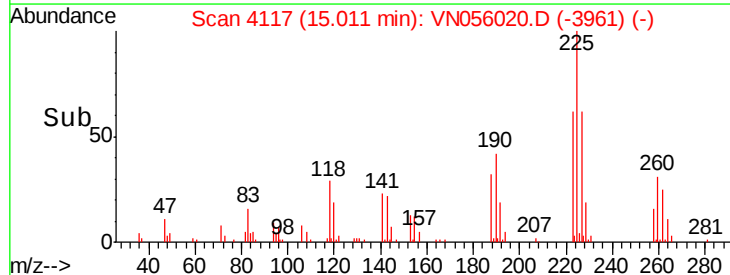
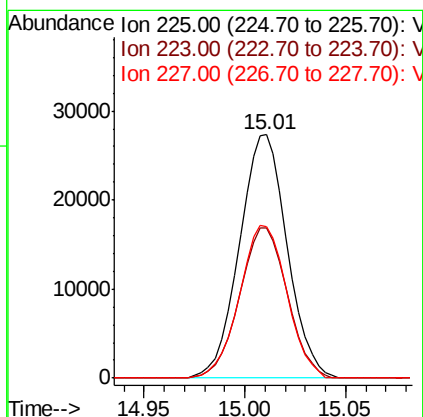
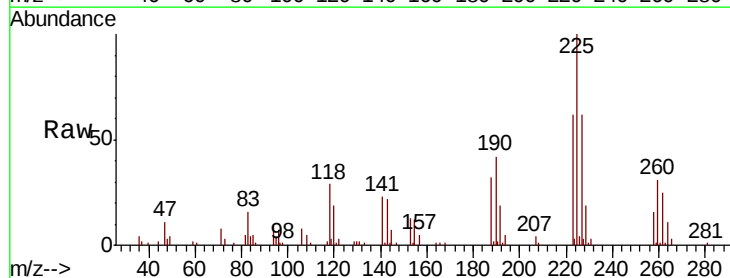
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060619

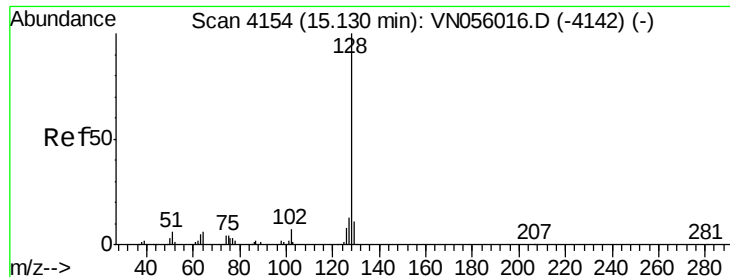
Tot Ion:180 Resp: 50681
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.0 112.6
 145 28.5 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 20.204 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056020.D
 Acq: 5 Jun 2019 21:23

Tgt Ion:225 Resp: 45204
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 125.6
 227 62.4 0.0 128.6





#91

Naphthalene

Concen: 18.536 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060619

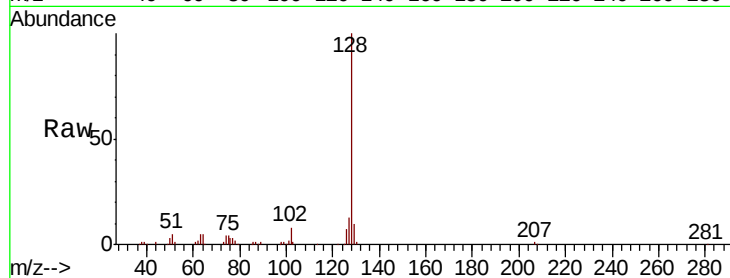
Tot Ion:128 Resp: 150879

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 10.6 8.7 13.1

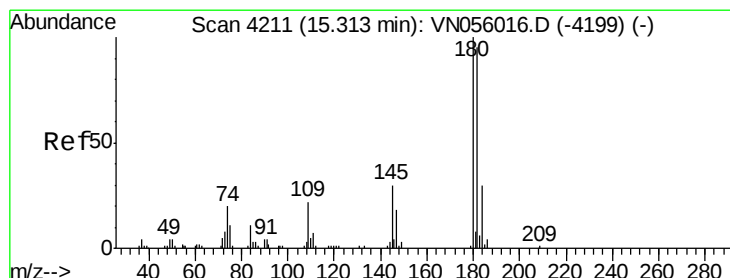
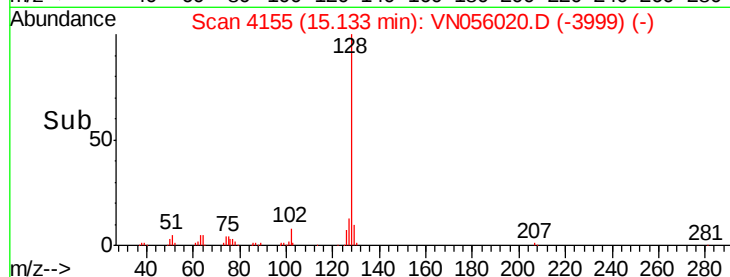
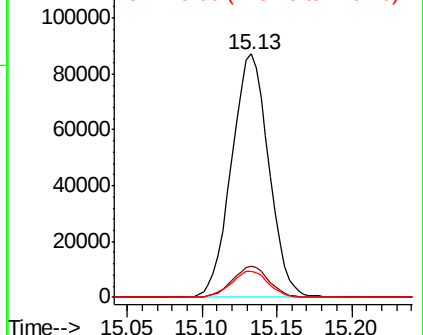


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.798 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN056020.D

Acq: 5 Jun 2019 21:23

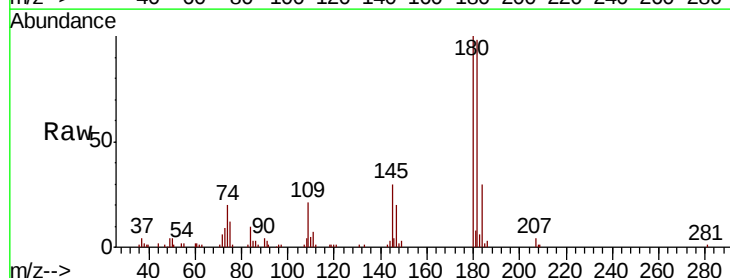
Tgt Ion:180 Resp: 60306

Ion Ratio Lower Upper

180 100

182 95.8 0.0 193.4

145 29.4 0.0 59.8



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

