

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056891.D
 Acq On : 23 Jul 2019 21:29
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 03:48:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	59787	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	321231	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	278119	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	114974	29.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.93%
60) 4-Bromofluorobenzene	12.40	95	122747	29.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.17%
63) Toluene-d8	10.09	98	397411	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	73693	20.616	ug/l 99
3) Chloromethane	2.06	50	90251	20.690	ug/l 99
4) Vinyl Chloride	2.19	62	84341	20.055	ug/l 99
5) Bromomethane	2.56	94	57395	22.228	ug/l 99
6) Chloroethane	2.70	64	46262	19.832	ug/l 99
7) Trichlorofluoromethane	3.02	101	102113	19.938	ug/l 99
8) Diethyl Ether	3.41	74	37875	19.847	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	64017	19.904	ug/l 98
10) 1,1-Dichloroethene	3.73	96	64488	20.204	ug/l 99
11) Methyl Iodide	3.95	142	82120	17.391	ug/l 99
12) Methyl Acetate	4.33	43	70118	17.950	ug/l 94
13) Acrolein	3.60	56	38460	86.996	ug/l 100
14) Acrylonitrile	4.99	53	146316	97.125	ug/l 98
15) Acetone	3.82	58	38408	98.615	ug/l 92
16) Carbon Disulfide	4.05	76	172280	20.017	ug/l 99
17) Allyl chloride	4.32	41	102072	19.111	ug/l 96
18) Methylene Chloride	4.55	84	73431	19.766	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	66524	19.694	ug/l 97
20) Diisopropyl ether	5.96	45	213842	19.719	ug/l 96
21) 1,1-Dichloroethane	5.85	63	124523	19.759	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	77067	19.685	ug/l 98
23) tert-Butyl Alcohol	4.81	59	50881	101.208	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	190265	19.717	ug/l 99
25) Chloroform	7.37	83	120493	19.599	ug/l 99
26) Cyclohexane	7.65	56	116620	20.144	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	92272	20.241	ug/l 97
30) 2-Butanone	6.84	43	180212	98.398	ug/l 99
31) 2,2-Dichloropropane	6.82	77	79960	18.902	ug/l # 74
32) 1,1,1-Trichloroethane	7.57	97	100310	20.027	ug/l 99
33) Carbon Tetrachloride	7.77	117	85559	19.571	ug/l 98
34) Benzene	8.04	78	284996	19.842	ug/l 98
35) Methacrylonitrile	7.18	41	35138	19.211	ug/l 98
36) 1,2-Dichloroethane	8.12	62	89079	19.949	ug/l 99
37) Trichloroethene	8.83	130	76873	19.963	ug/l 98
38) Methylcyclohexane	9.08	83	115739	19.959	ug/l 99
39) 1,2-Dichloropropane	9.12	63	77110	20.112	ug/l 100
40) Dibromomethane	9.21	93	46041	19.575	ug/l 97

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

41) Bromodichloromethane	9.40	83	86785	19.202	ug/l	100
42) Vinyl Acetate	5.90	43	812472	99.615	ug/l	99
43) Ethyl Acetate	6.93	43	73308	19.525	ug/l #	87
44) Isopropyl Acetate	8.17	43	122002	19.494	ug/l	98
45) 1,4-Dioxane	9.20	88	25188	422.762	ug/l	94
46) Methyl methacrylate	9.20	41	61545	19.712	ug/l	95
47) n-amyl Acetate	12.07	43	95827	19.128	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	89092	18.943	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	104805	19.123	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	66717	19.757	ug/l	95
51) Ethyl methacrylate	10.43	69	95978	19.650	ug/l	99
52) 1,3-Dichloropropane	10.71	76	112504	19.741	ug/l	99
53) Dibromochloromethane	10.90	129	67100	19.116	ug/l	98
54) 1,2-Dibromoethane	11.00	107	68581	19.907	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	208430	98.530	ug/l	100
56) Bromoform	12.12	173	44499	18.323	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	377722	101.205	ug/l	99
59) 2-Hexanone	10.75	43	252969	99.468	ug/l	100
61) Tetrachloroethene	10.63	164	75134	19.276	ug/l	97
62) Toluene	10.15	91	302239	19.981	ug/l	99
64) Chlorobenzene	11.43	112	181048	19.871	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	67222	19.479	ug/l	98
66) Ethyl Benzene	11.51	91	313256	19.653	ug/l	97
67) m/p-Xylenes	11.62	106	236751	39.832	ug/l	100
68) o-Xylene	11.94	106	114662	19.621	ug/l	100
69) Styrene	11.96	104	185099	19.546	ug/l	100
70) Isopropylbenzene	12.25	105	307237	19.967	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	86898	20.163	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	101497	26.767	ug/l	66
73) Bromobenzene	12.52	156	78085	19.666	ug/l	100
74) n-propylbenzene	12.59	91	325708	19.359	ug/l	100
75) 2-Chlorotoluene	12.67	91	202843	19.886	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	259173	20.008	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20741	17.421	ug/l	96
78) 4-Chlorotoluene	12.77	91	187749	19.363	ug/l	100
79) tert-butylbenzene	12.99	119	225596	20.182	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	249535	19.760	ug/l	99
81) sec-Butylbenzene	13.17	105	284889	19.521	ug/l	100
82) p-Isopropyltoluene	13.28	119	255761	19.513	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	120268	19.238	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	113705	19.236	ug/l	98
85) n-Butylbenzene	13.61	91	192707	18.724	ug/l	98
86) Hexachloroethane	13.87	117	41717	19.018	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	123590	19.903	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12131	18.194	ug/l	94
89) 1,2,4-Trichlorobenzene	14.90	180	52520	20.299	ug/l	99
90) Hexachlorobutadiene	15.00	225	45907	20.113	ug/l	97
91) Naphthalene	15.13	128	134936	19.967	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	61487	18.730	ug/l	99

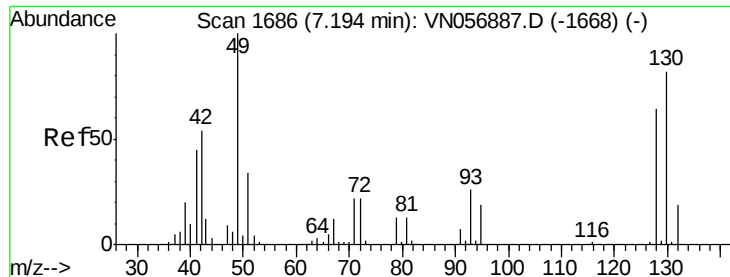
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

ClientSampled :

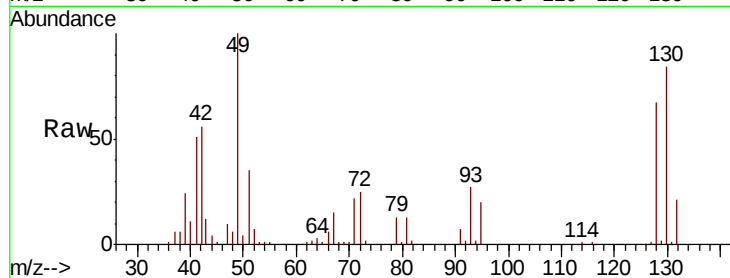
Tot Ion:128 Resp: 59787

Ion Ratio Lower Upper

128 100

49 153.4 0.0 385.8

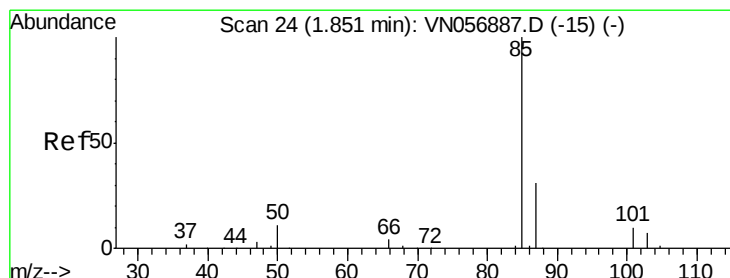
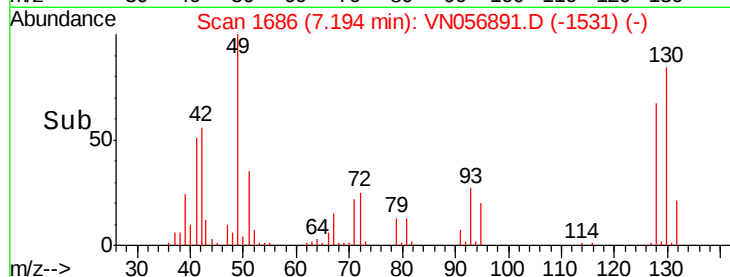
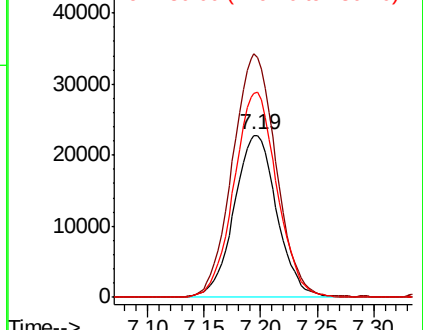
130 127.4 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.616 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN056891.D

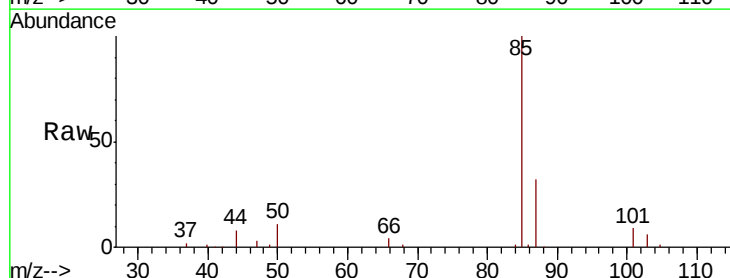
Acq: 23 Jul 2019 21:29

Tgt Ion: 85 Resp: 73693

Ion Ratio Lower Upper

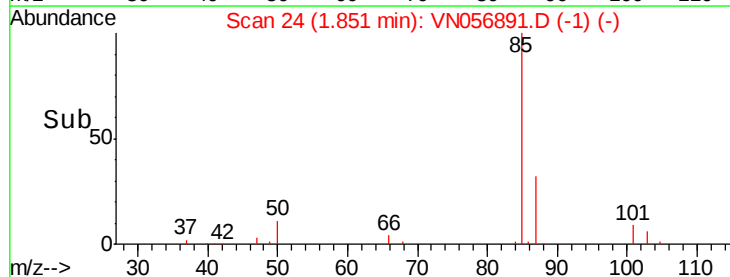
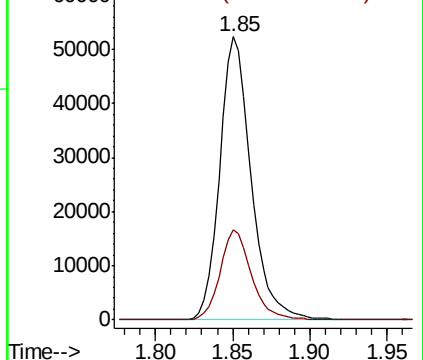
85 100

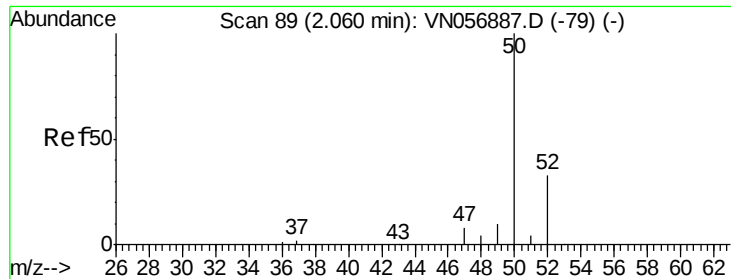
87 31.7 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.690 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

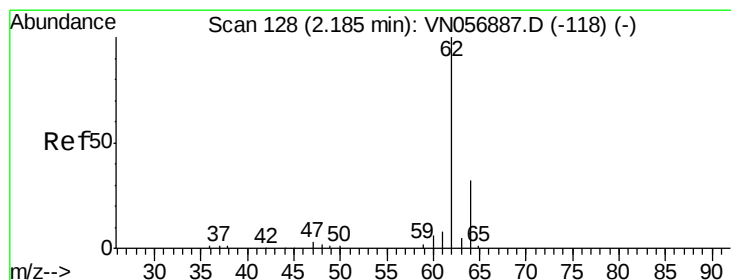
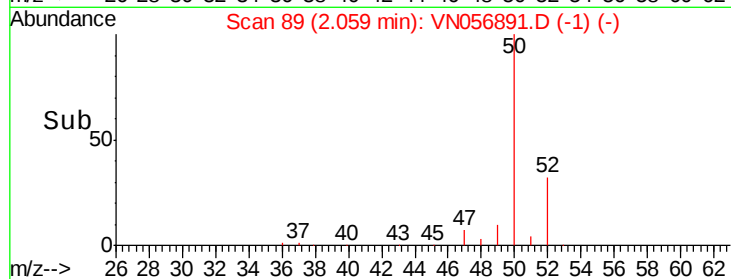
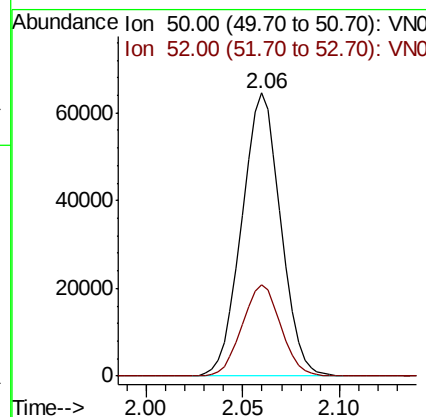
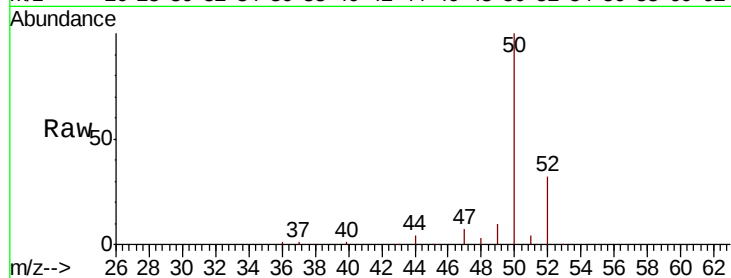
ClientSampleId :

Tot Ion: 50 Resp: 90251

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2



#4

Vinyl Chloride

Concen: 20.055 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN056891.D

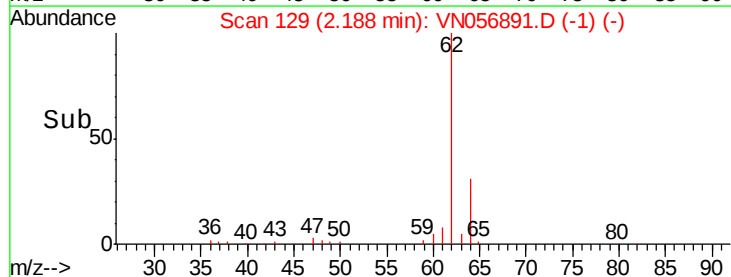
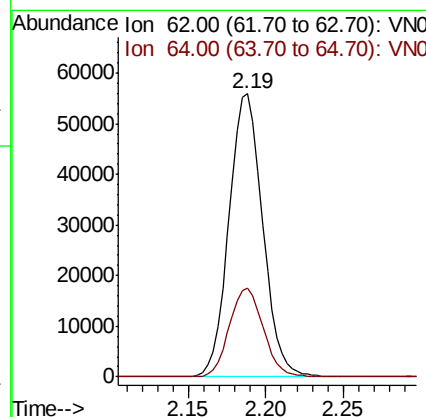
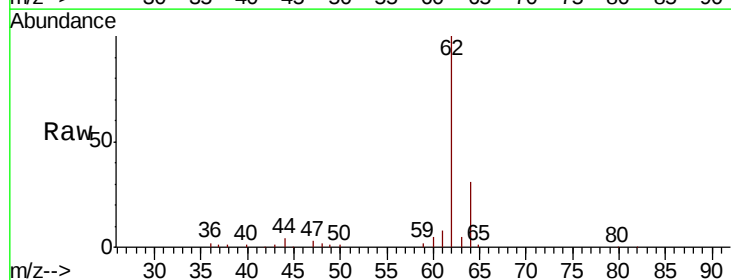
Acq: 23 Jul 2019 21:29

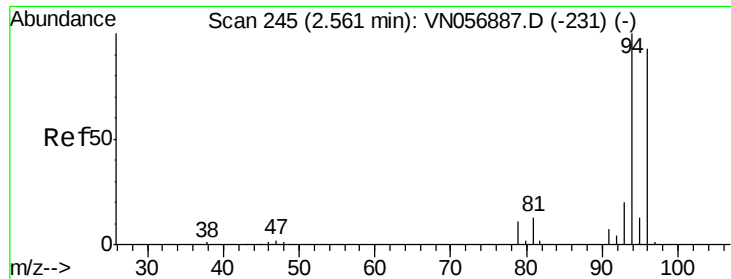
Tgt Ion: 62 Resp: 84341

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0

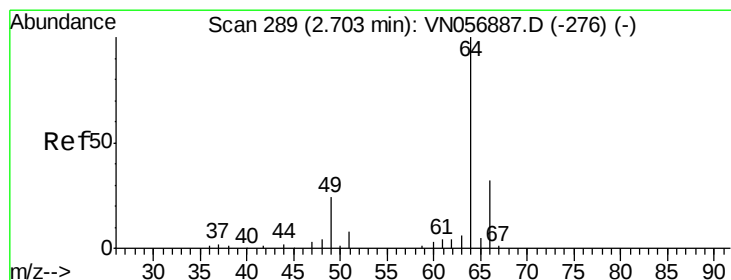
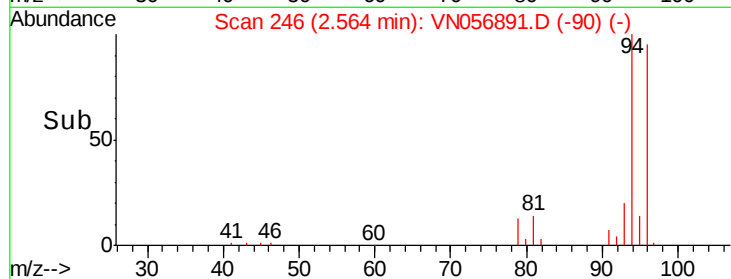
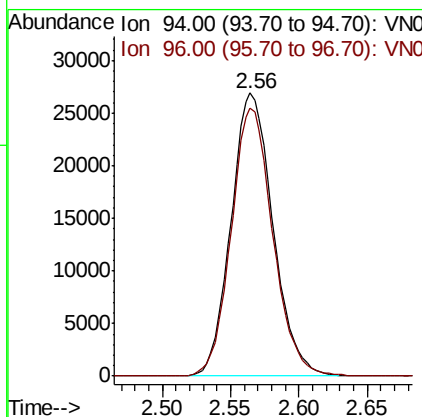
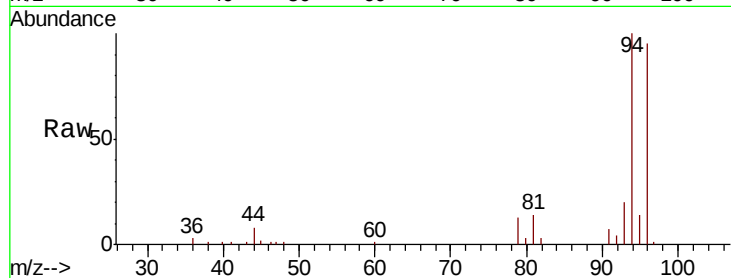




#5
Bromomethane
Concen: 22.228 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

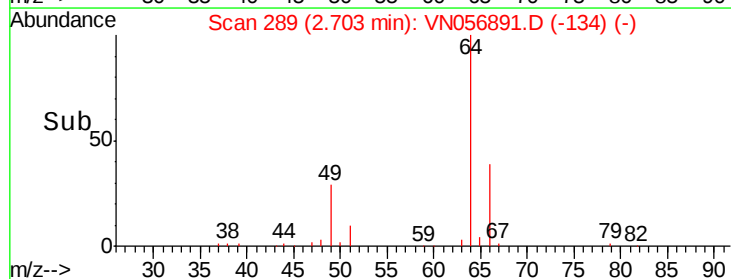
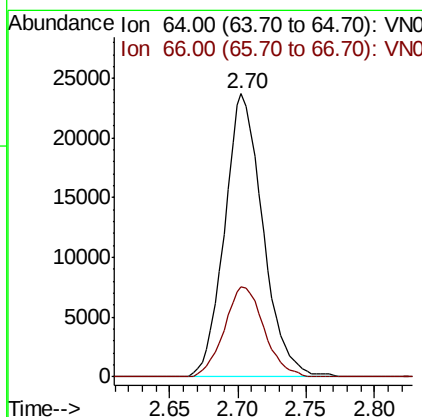
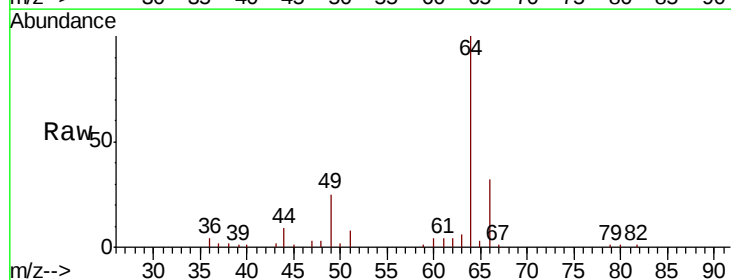
Instrument :
MSVOA_N
ClientSampled :

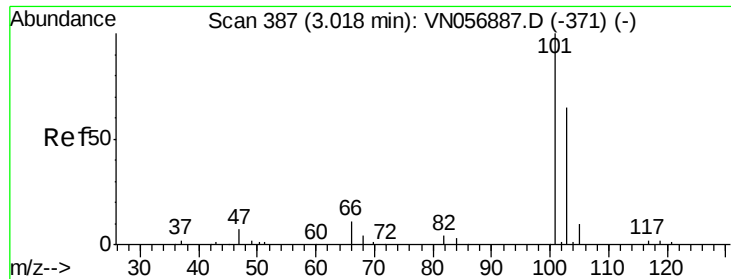
Tot Ion: 94 Resp: 57395
Ion Ratio Lower Upper
94 100
96 94.6 74.7 112.1



#6
Chloroethane
Concen: 19.832 ug/l
RT: 2.70 min Scan# 289
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 64 Resp: 46262
Ion Ratio Lower Upper
64 100
66 31.8 25.8 38.8



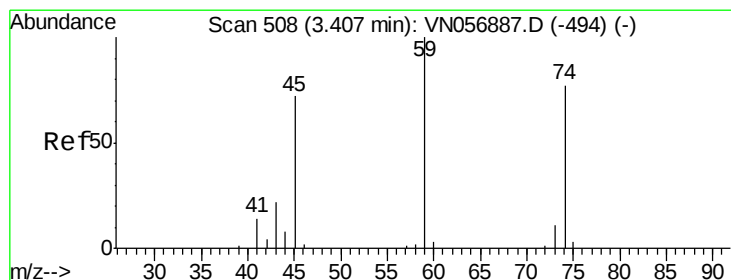
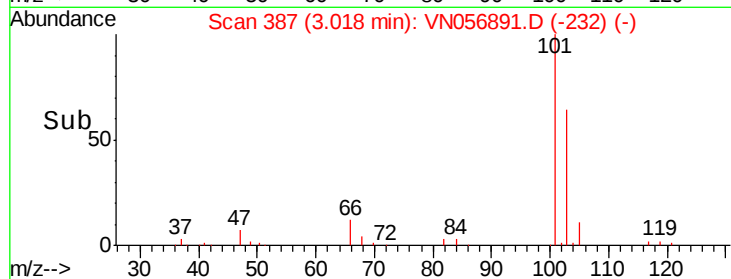
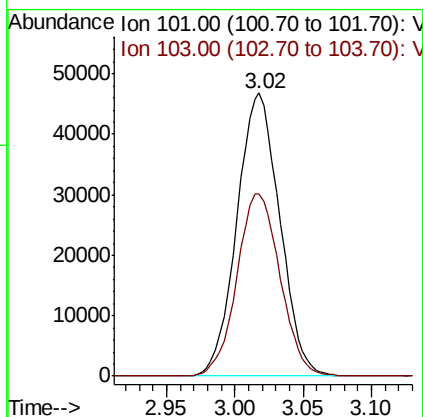
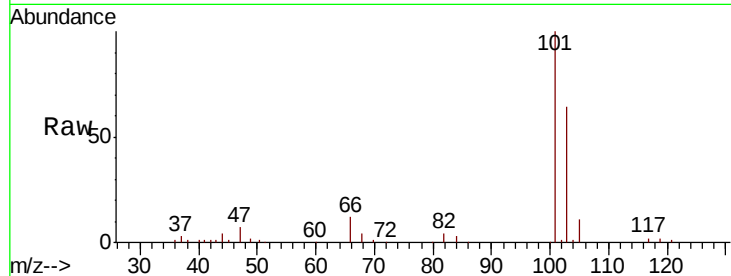


#7

Trichlorofluoromethane
 Concen: 19.938 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Instrument :
 MSVOA_N
 ClientSampled :

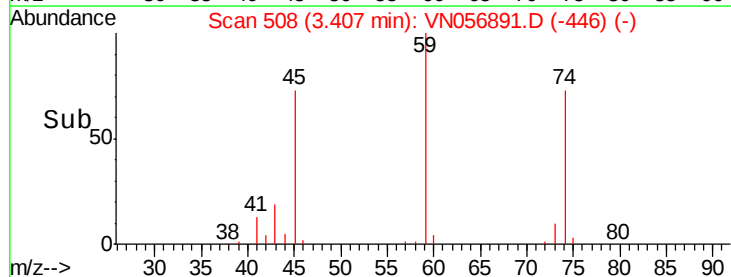
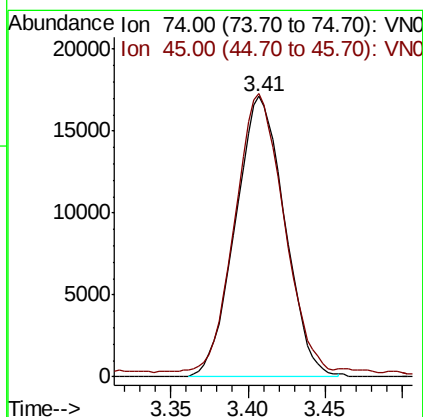
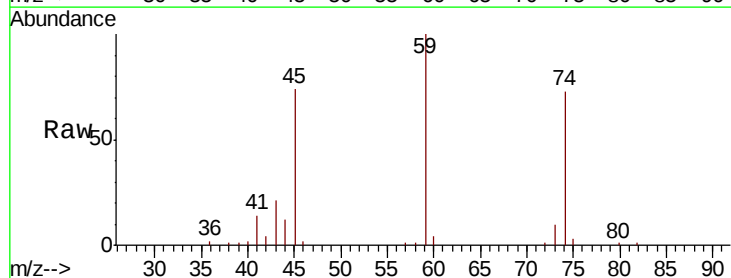
Tot Ion:101 Resp: 102113
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.2 78.4

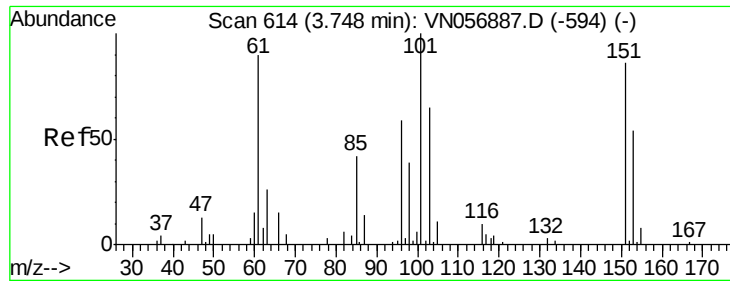


#8

Diethyl Ether
 Concen: 19.847 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion: 74 Resp: 37875
 Ion Ratio Lower Upper
 74 100
 45 99.9 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.904 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056891.D

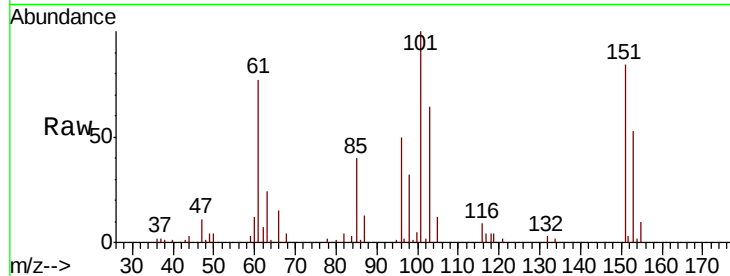
Acq: 23 Jul 2019 21:29

Instrument :

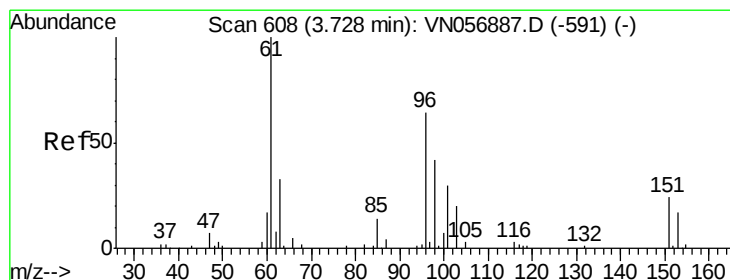
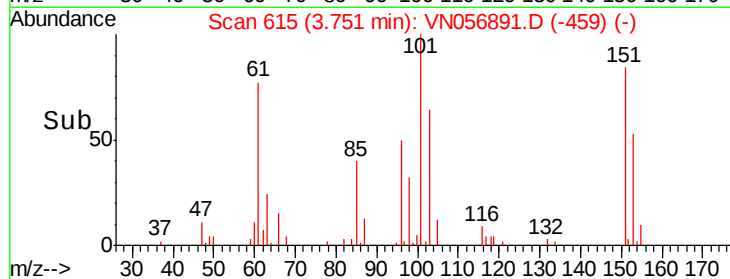
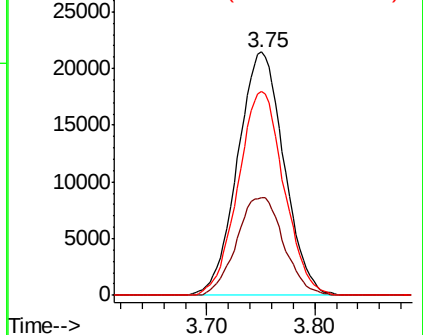
MSVOA_N

ClientSampled :

Tot Ion:	101	Resp:	64017
Ion	Ratio	Lower	Upper
101	100		
85	40.7	0.0	85.0
151	82.8	0.0	167.2



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.204 ug/l

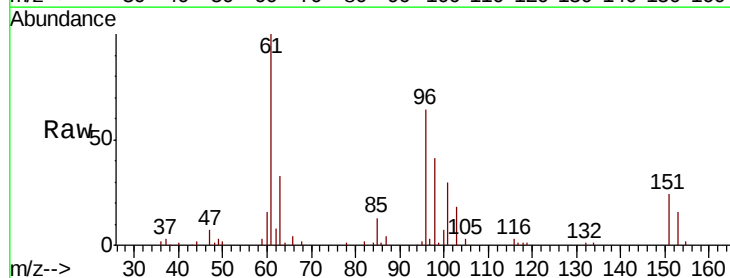
RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

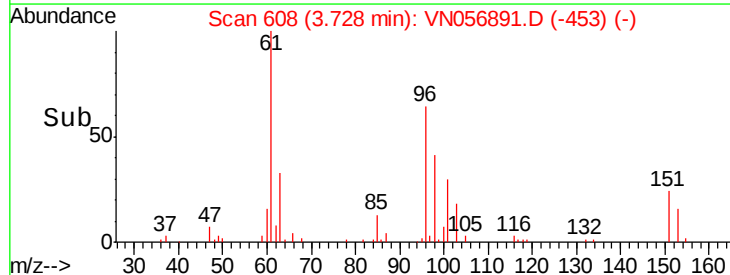
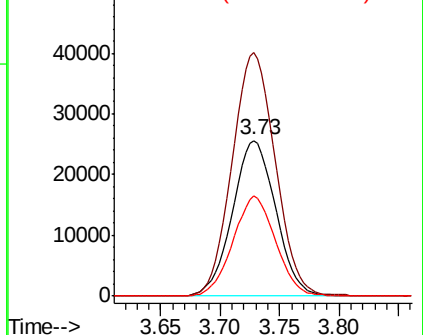
Lab File: VN056891.D

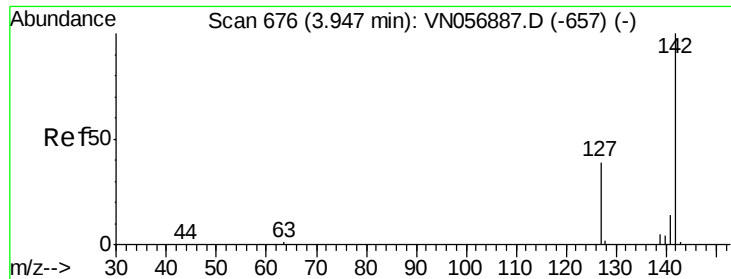
Acq: 23 Jul 2019 21:29

Tgt Ion:	96	Resp:	64488
Ion	Ratio	Lower	Upper
96	100		
61	156.7	125.8	188.8
98	64.2	52.7	79.1



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

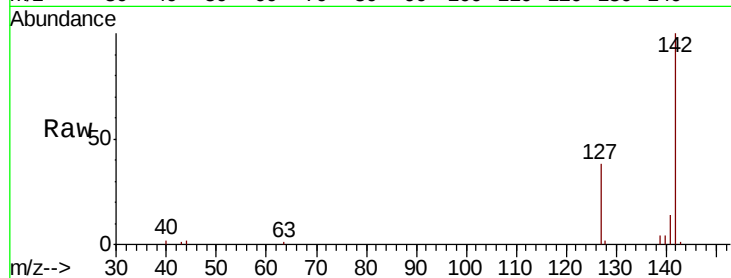




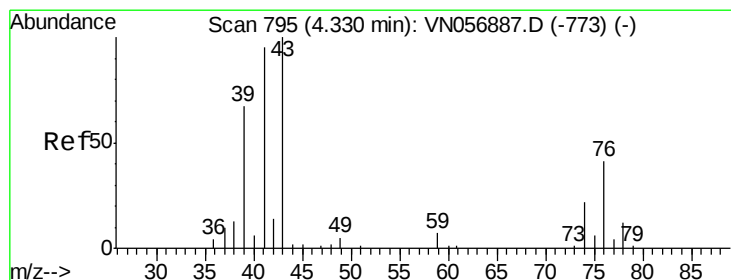
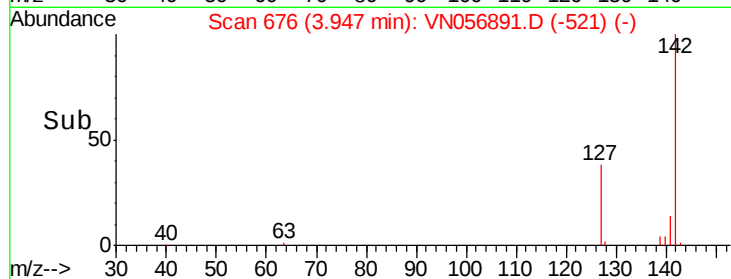
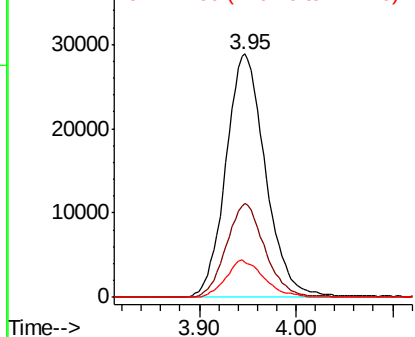
#11
Methvl Iodide
Concen: 17.391 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 82120
Ion Ratio Lower Upper
142 100
127 38.6 19.6 58.8
141 14.4 7.2 21.6

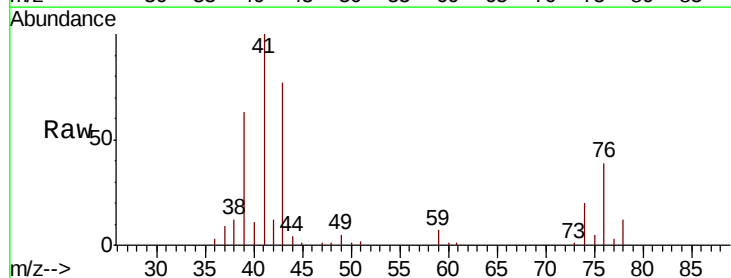


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

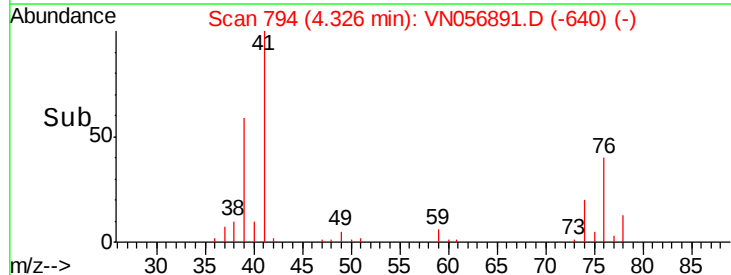
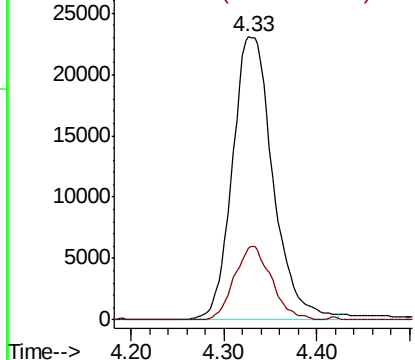


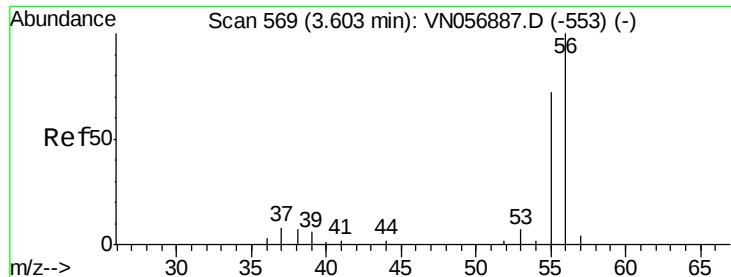
#12
Methyl Acetate
Concen: 17.950 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 43 Resp: 70118
Ion Ratio Lower Upper
43 100
74 25.4 18.1 27.1



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

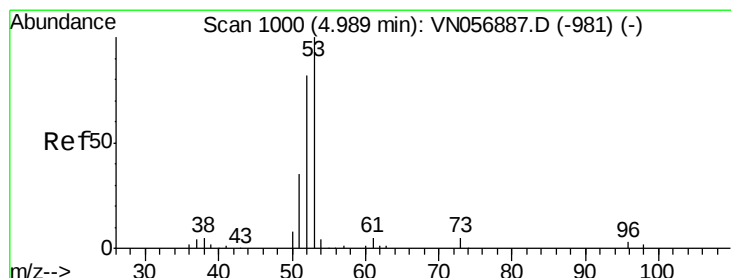
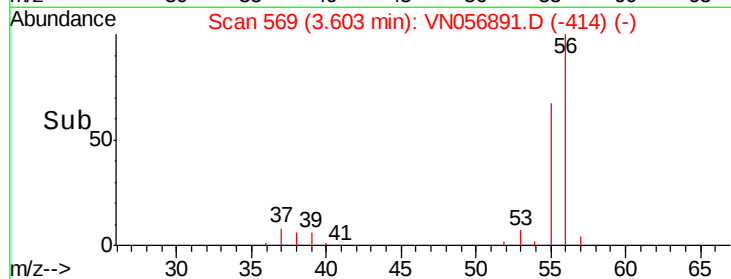
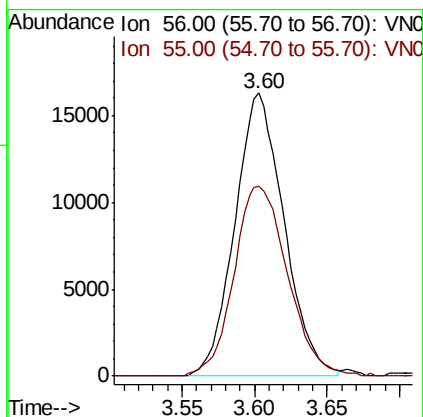
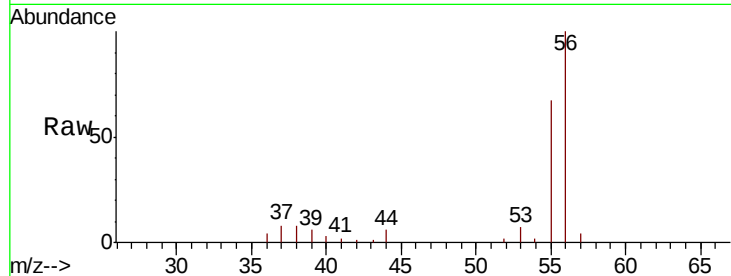




#13
Acrolein
Concen: 86.996 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

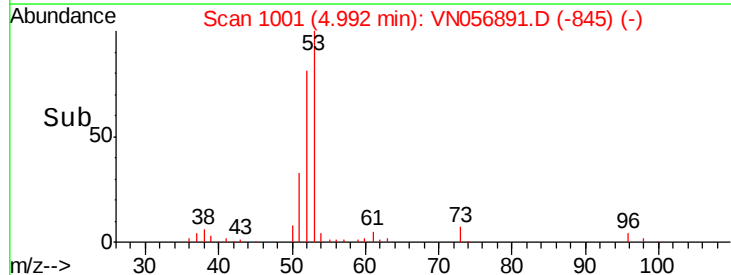
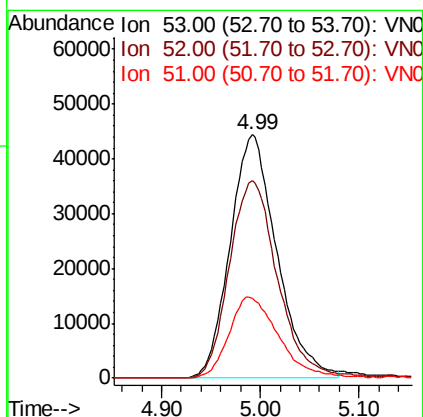
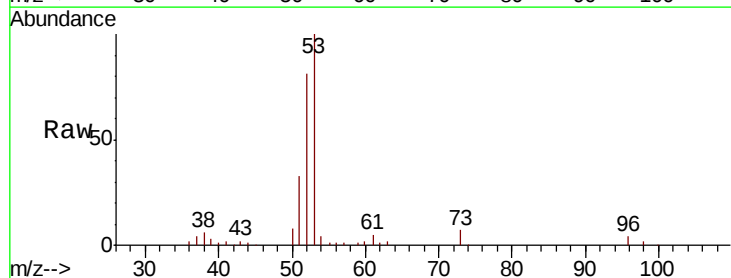
Instrument :
MSVOA_N
ClientSampleId :

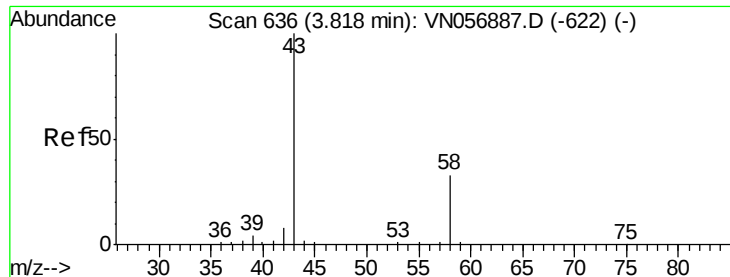
Tot Ion: 56 Resp: 38460
Ion Ratio Lower Upper
56 100
55 73.1 58.5 87.7



#14
Acrylonitrile
Concen: 97.125 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 53 Resp: 146316
Ion Ratio Lower Upper
53 100
52 83.6 40.8 122.5
51 35.4 17.4 52.2





#15

Acetone

Concen: 98.615 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

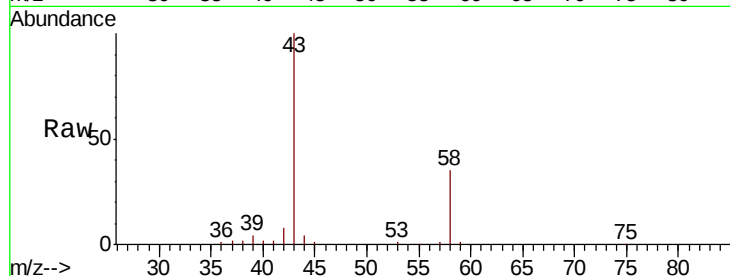
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 38408

Ion Ratio Lower Upper

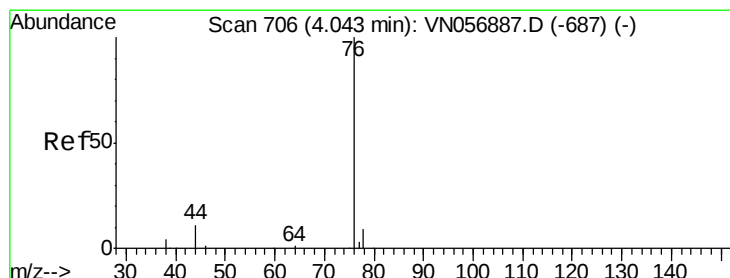
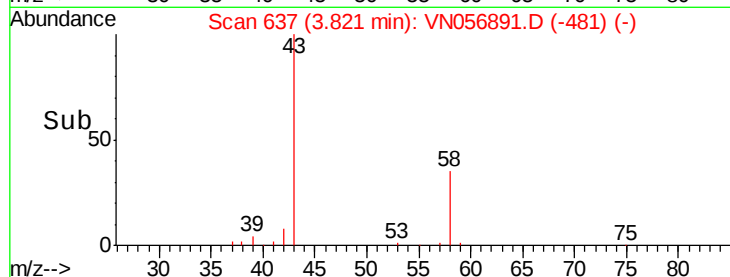
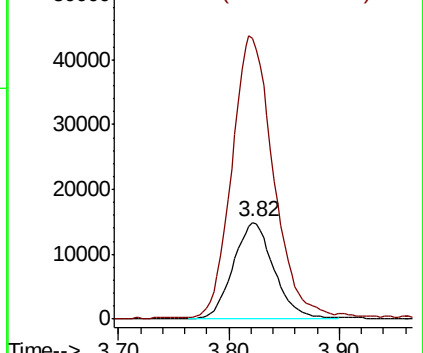
58 100

43 287.2 242.4 363.6



Abundance Ion 58.00 (57.70 to 58.70): VN056887.D (-622) (-)

Ion 43.00 (42.70 to 43.70): VN056887.D (-622) (-)



#16

Carbon Disulfide

Concen: 20.017 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056891.D

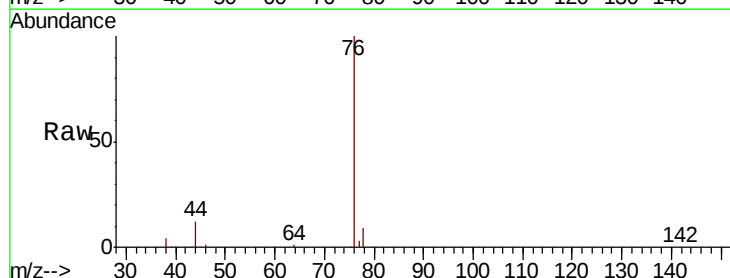
Acq: 23 Jul 2019 21:29

Tgt Ion: 76 Resp: 172280

Ion Ratio Lower Upper

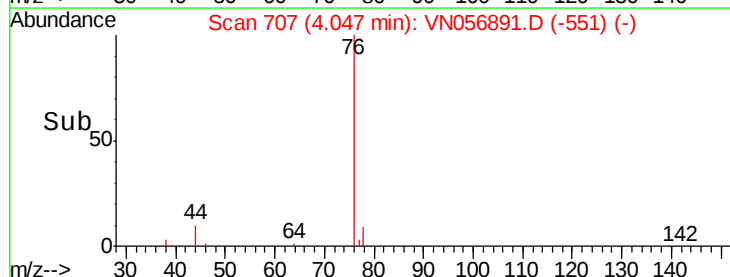
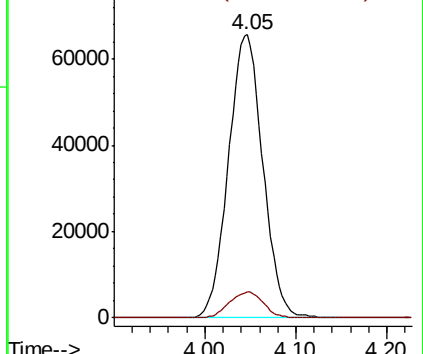
76 100

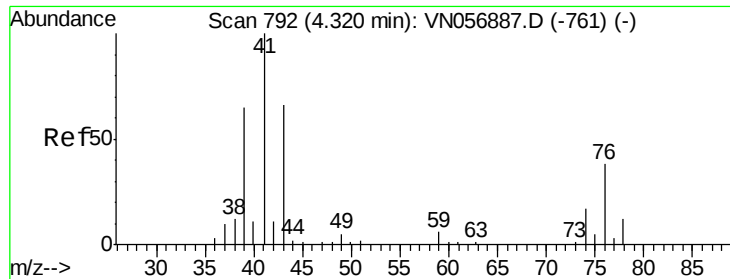
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN056887.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN056887.D (-687) (-)

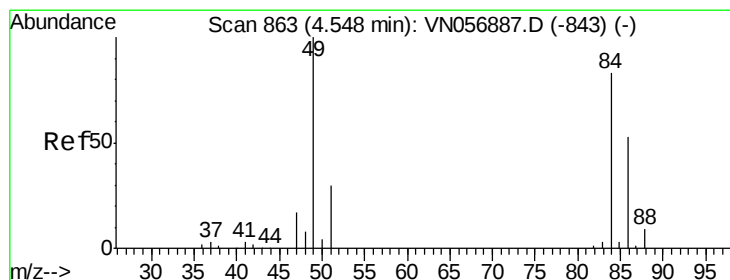
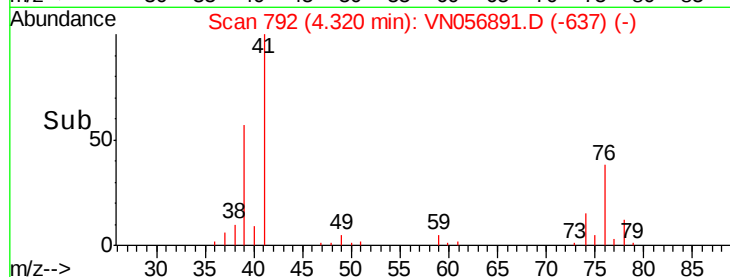
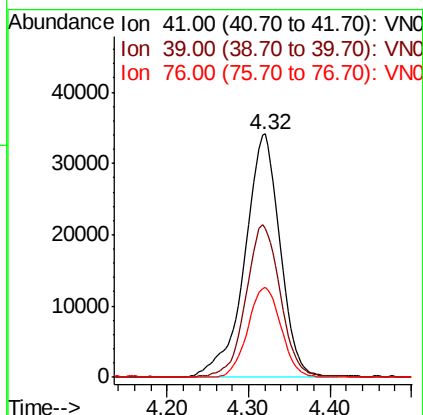
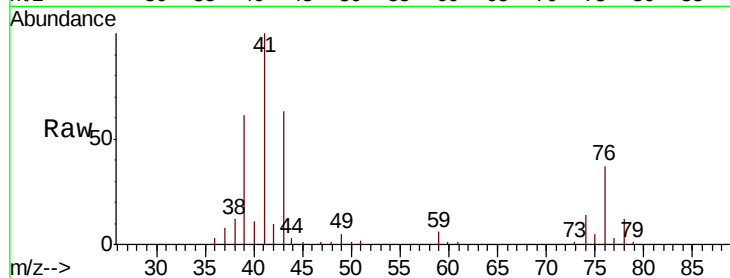




#17
Allvl chloride
Concen: 19.111 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

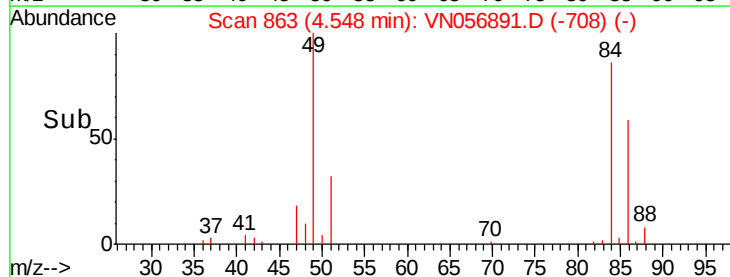
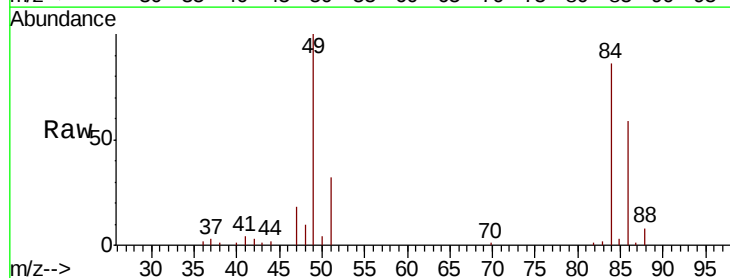
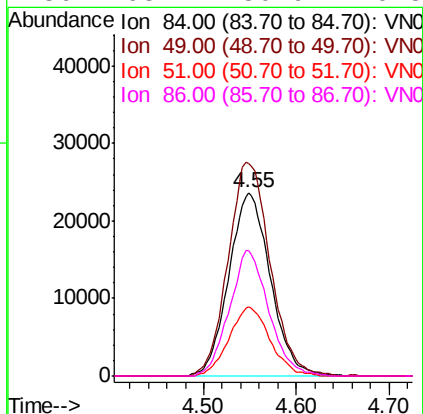
Instrument :
MSVOA_N
ClientSampleId :

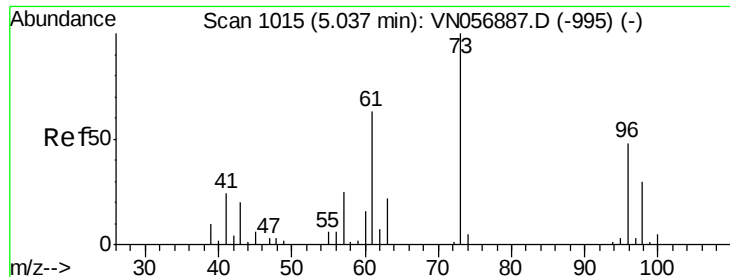
Tot Ion: 41 Resp: 102072
Ion Ratio Lower Upper
41 100
39 61.2 32.4 97.0
76 36.8 19.0 57.0



#18
Methylene Chloride
Concen: 19.766 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 84 Resp: 73431
Ion Ratio Lower Upper
84 100
49 116.0 96.3 144.5
51 37.6 28.8 43.2
86 68.4 50.9 76.3

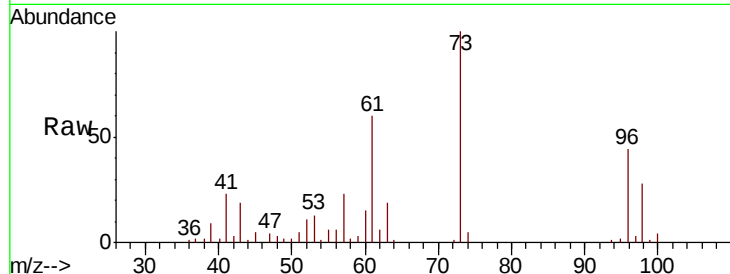




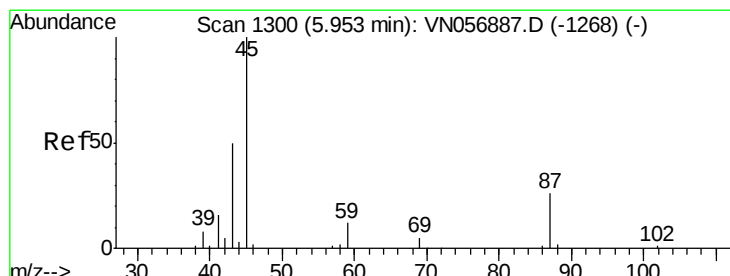
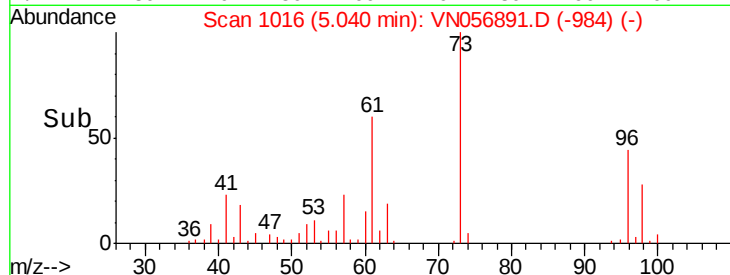
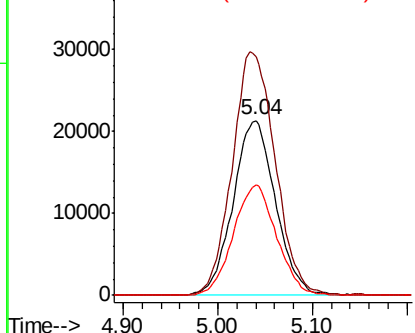
#19
trans-1,2-Dichloroethene
Concen: 19.694 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 66524
Ion Ratio Lower Upper
96 100
61 136.6 105.4 158.0
98 63.2 50.8 76.2

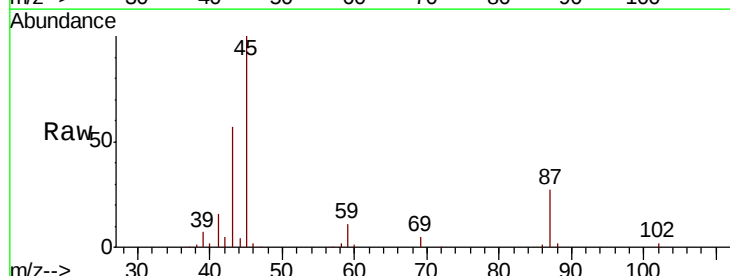


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

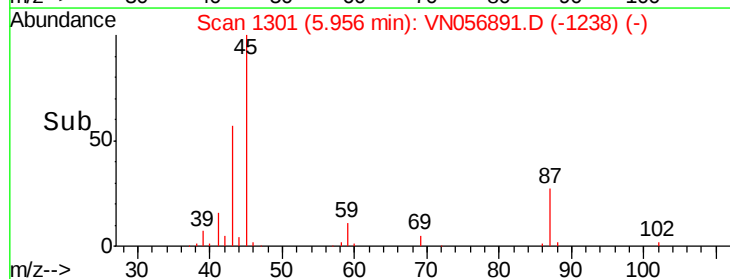
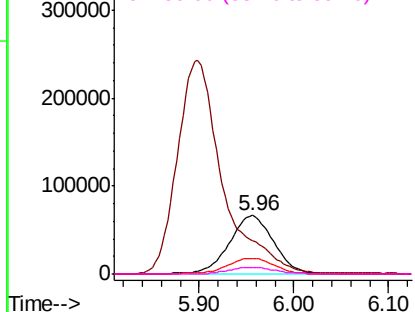


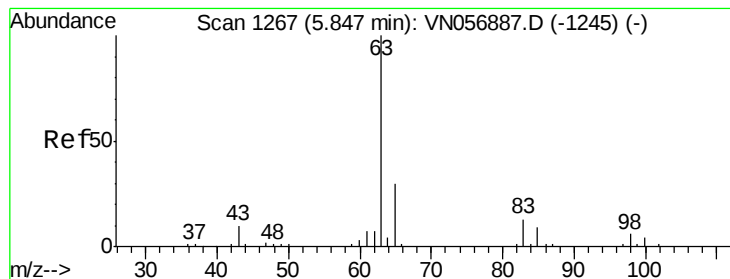
#20
Diisopropyl ether
Concen: 19.719 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 45 Resp: 213842
Ion Ratio Lower Upper
45 100
43 54.5 47.4 71.0
87 26.9 21.7 32.5
59 11.2 9.3 13.9



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





#21

1,1-Dichloroethane

Concen: 19.759 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

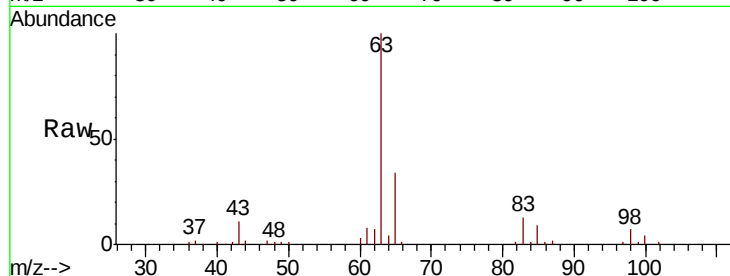
Tot Ion: 63 Resp: 124523

Ion Ratio Lower Upper

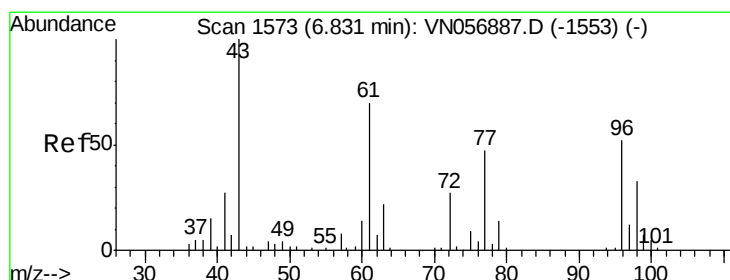
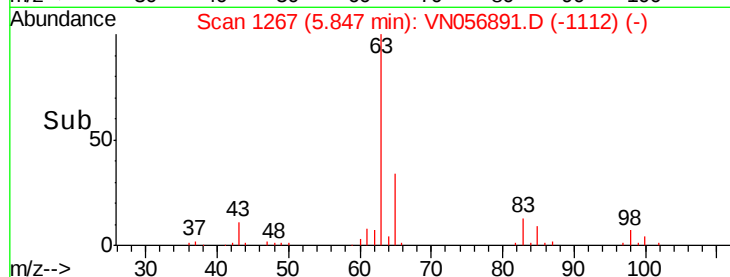
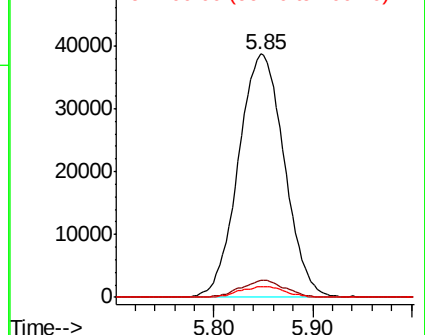
63 100

98 6.8 3.1 9.3

100 4.2 1.8 5.5



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: 19.685 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

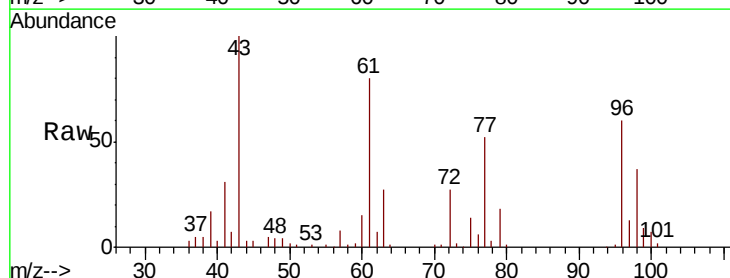
Tgt Ion: 96 Resp: 77067

Ion Ratio Lower Upper

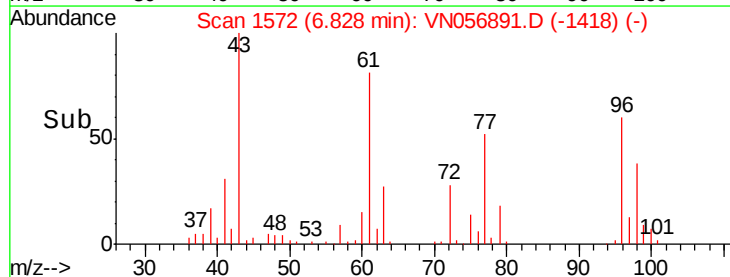
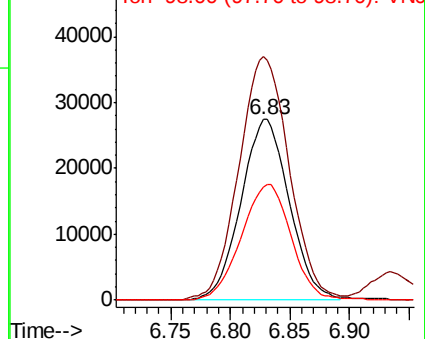
96 100

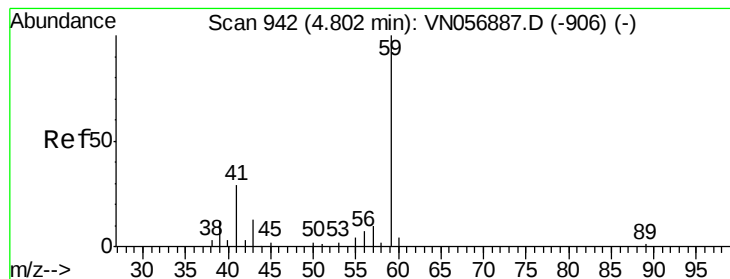
61 140.7 111.6 167.4

98 66.0 51.0 76.4



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



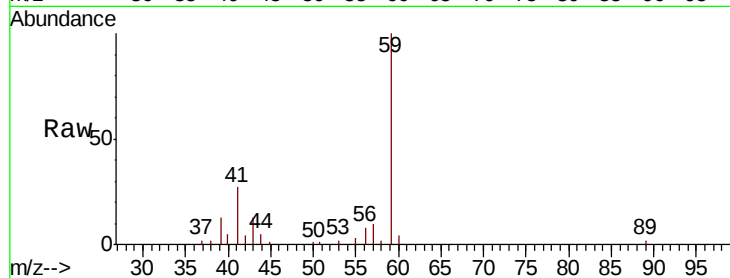


#23

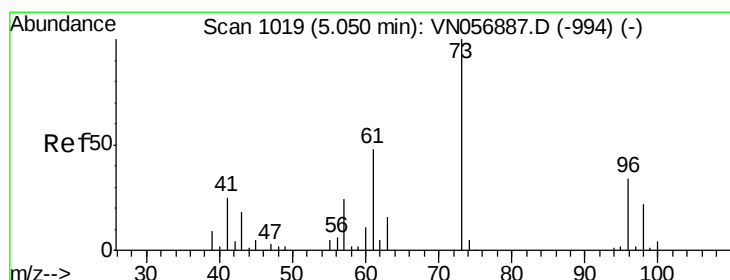
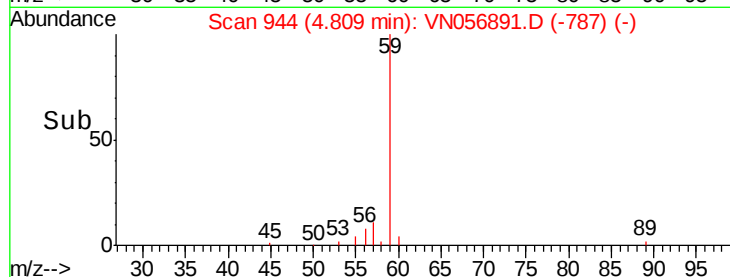
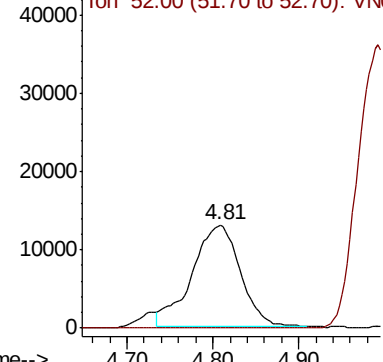
tert-Butyl Alcohol
 Concen: 101.208 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.01 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 59 Resp: 50881
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



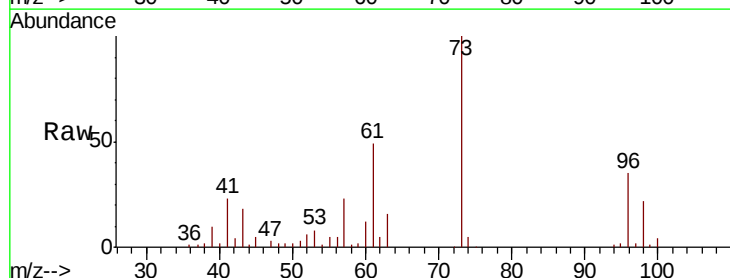
Abundance Ion 59.00 (58.70 to 59.70): VN056887.D (-906) (-)
 Ion 52.00 (51.70 to 52.70): VN056887.D (-906) (-)



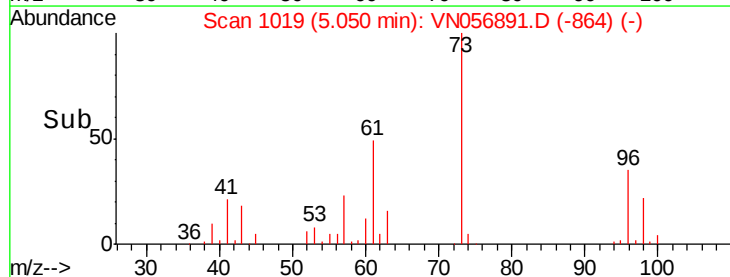
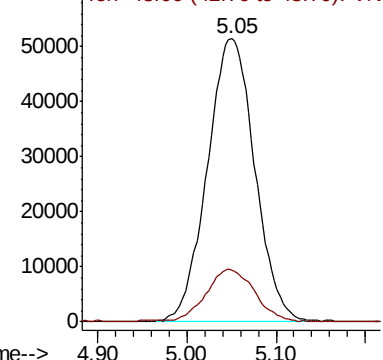
#24

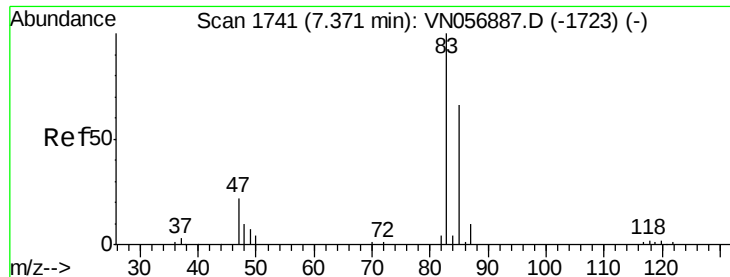
Methyl tert-Butyl Ether
 Concen: 19.717 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion: 73 Resp: 190265
 Ion Ratio Lower Upper
 73 100
 43 18.7 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN056887.D (-994) (-)
 Ion 43.00 (42.70 to 43.70): VN056887.D (-994) (-)

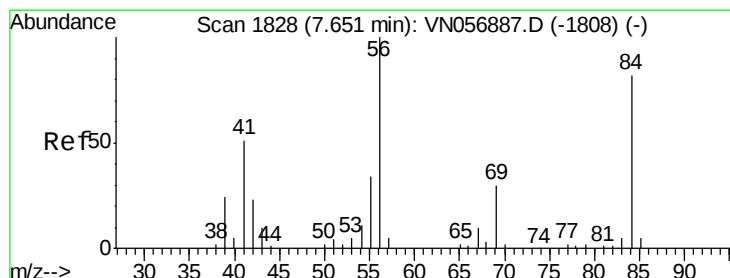
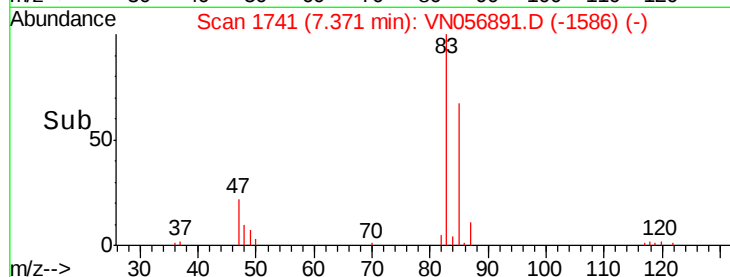
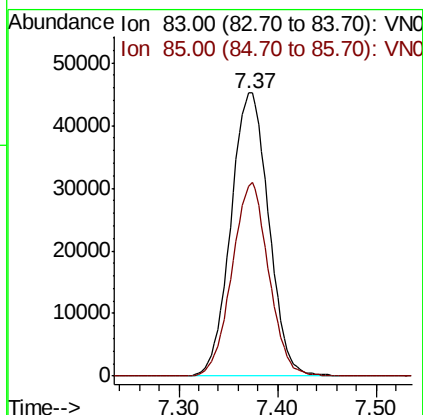
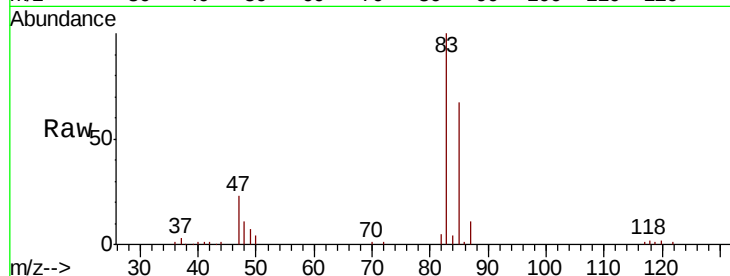




#25
Chloroform
Concen: 19.599 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

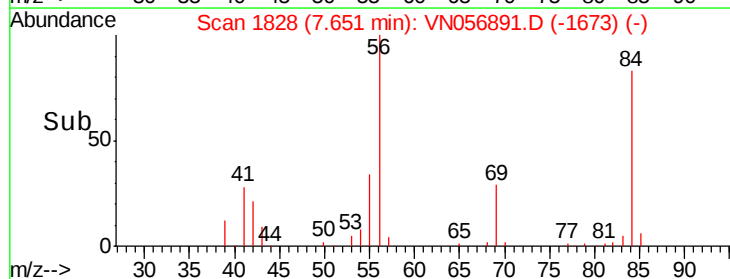
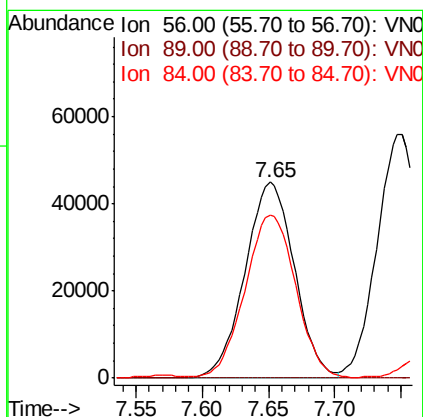
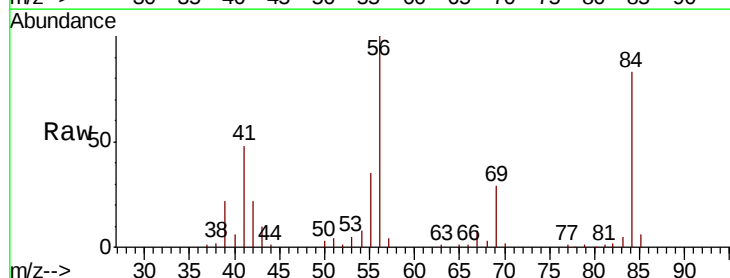
Instrument :
MSVOA_N
ClientSampled :

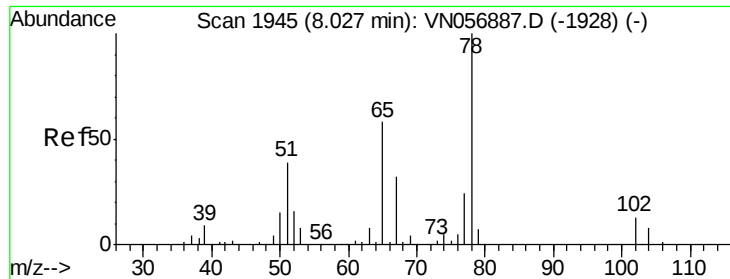
Tot Ion: 83 Resp: 120493
Ion Ratio Lower Upper
83 100
85 67.1 53.1 79.7



#26
Cyclohexane
Concen: 20.144 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 56 Resp: 116620
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.9 67.8 101.6





#27

1,2-Dichloroethane-d4

Concen: 29.385 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

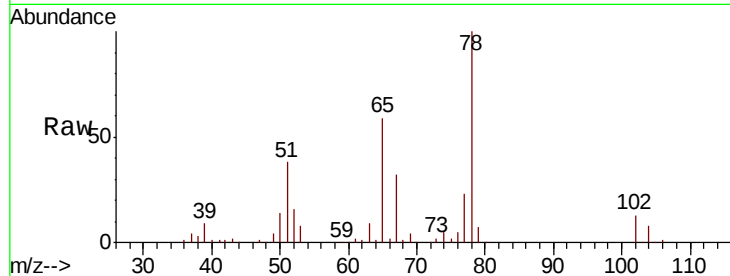
ClientSampled :

Tot Ion: 65 Resp: 114974

Ion Ratio Lower Upper

65 100

67 55.1 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN056887.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN056887.D (-1928) (-)

8.03

50000

40000

30000

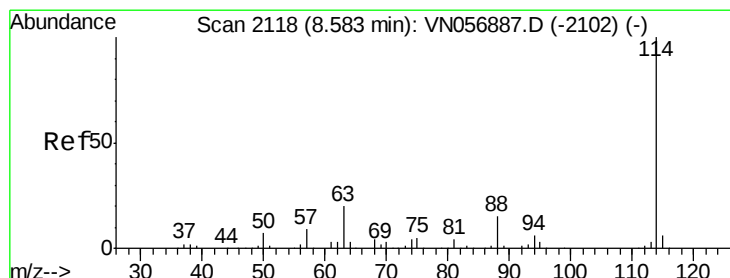
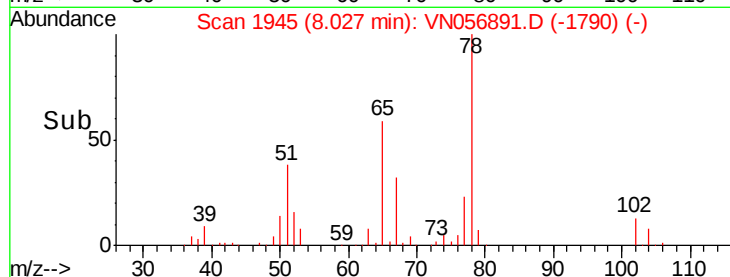
20000

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: VN056891.D

Acq: 23 Jul 2019 21:29

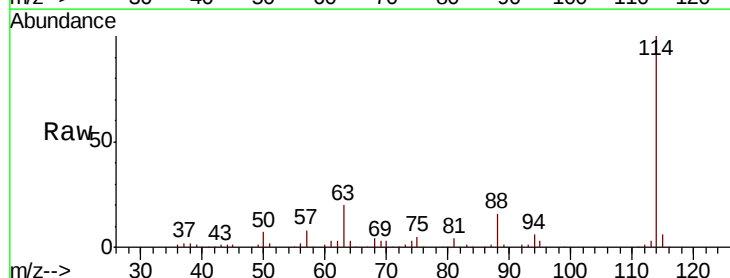
Tgt Ion: 114 Resp: 321231

Ion Ratio Lower Upper

114 100

63 19.8 15.8 23.6

88 15.5 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): VN056887.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056887.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056887.D (-2102) (-)

8.58

200000

150000

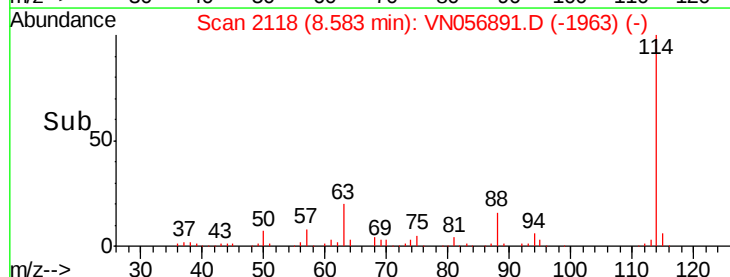
100000

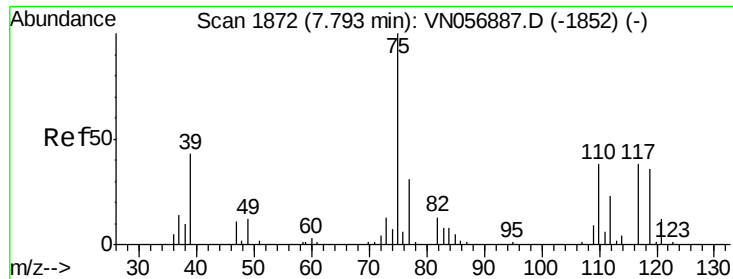
50000

0

8.50 8.55 8.60 8.65

Time-->

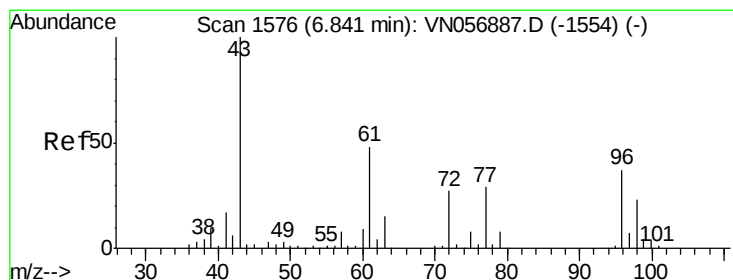
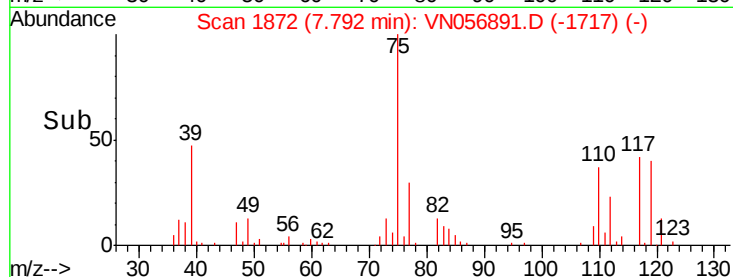
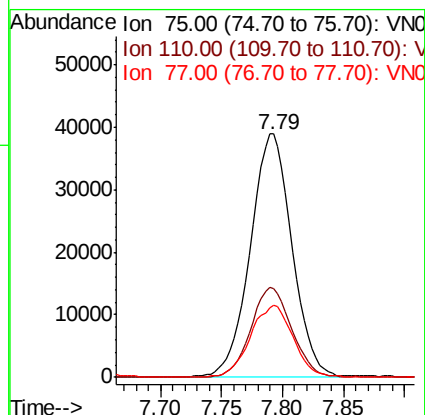
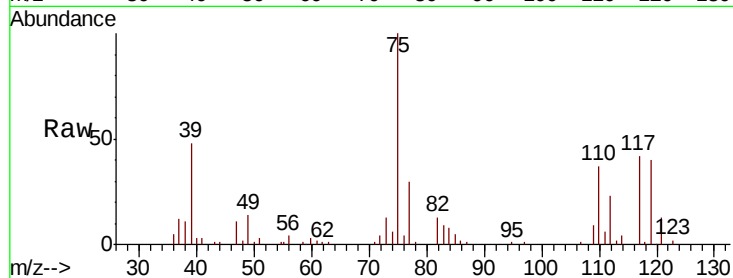




#29
 1,1-Dichloropropene
 Concen: 20.241 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

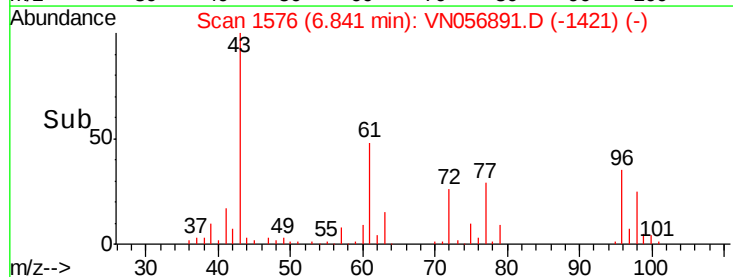
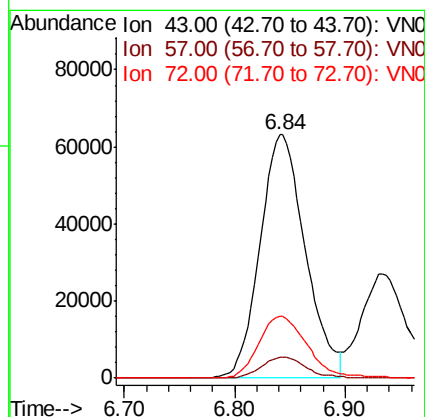
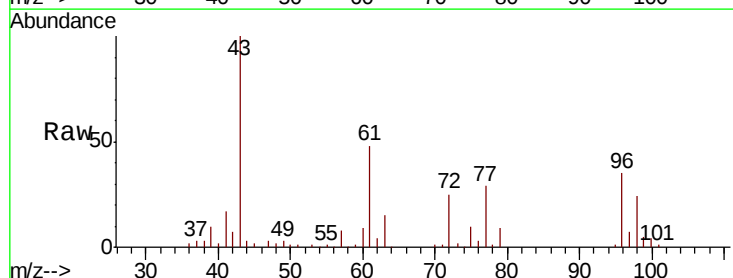
Instrument :
 MSVOA_N
 ClientSampled :

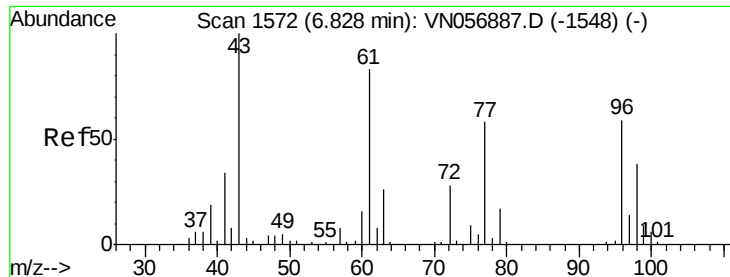
Tot Ion: 75 Resp: 92272
 Ion Ratio Lower Upper
 75 100
 110 36.2 0.0 75.8
 77 30.5 0.0 64.0



#30
 2-Butanone
 Concen: 98.398 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion: 43 Resp: 180212
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.5 9.7
 72 27.3 22.1 33.1





#31

2,2-Dichloropropane

Concen: 18.902 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

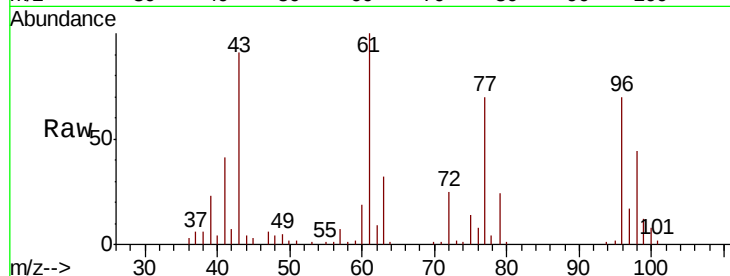
ClientSampleId :

Tot Ion: 77 Resp: 79960

Ion Ratio Lower Upper

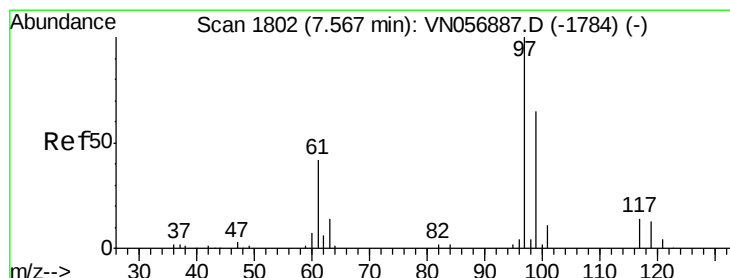
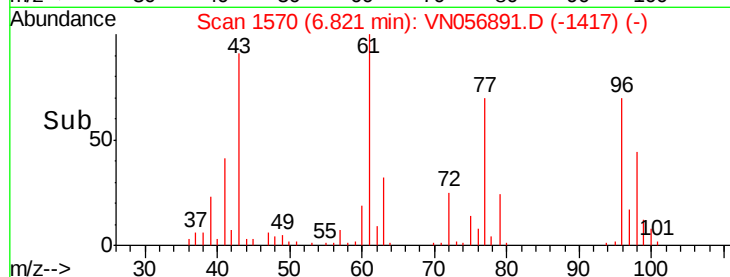
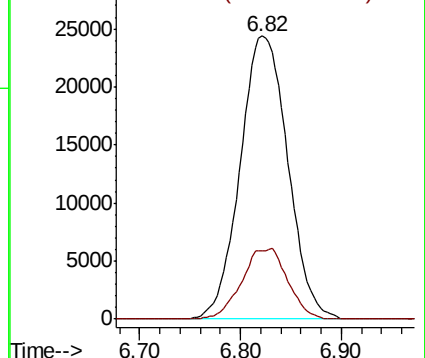
77 100

97 11.5 19.3 28.9#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.027 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

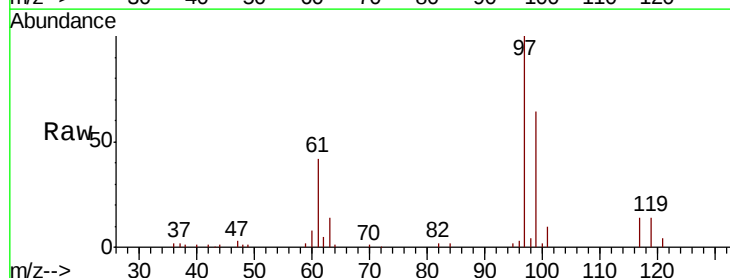
Tgt Ion: 97 Resp: 100310

Ion Ratio Lower Upper

97 100

99 64.2 52.3 78.5

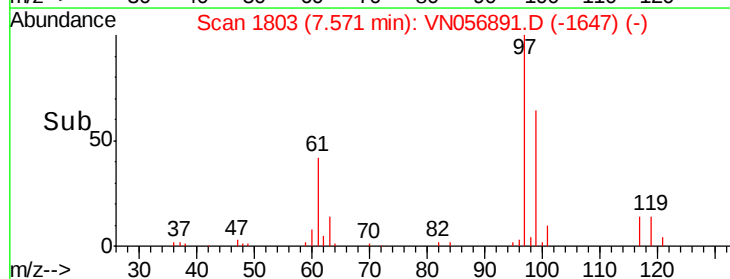
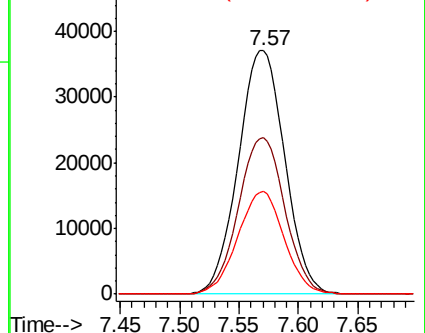
61 42.1 34.4 51.6

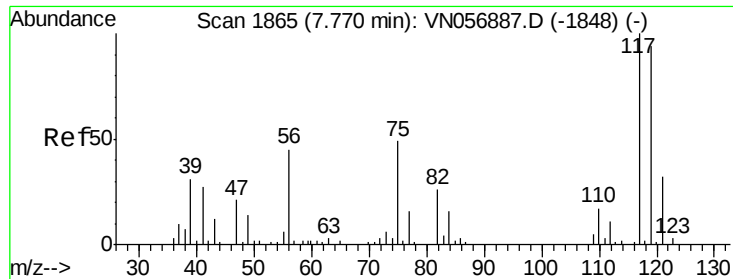


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

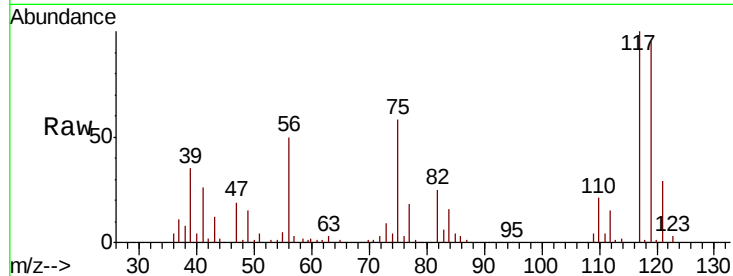




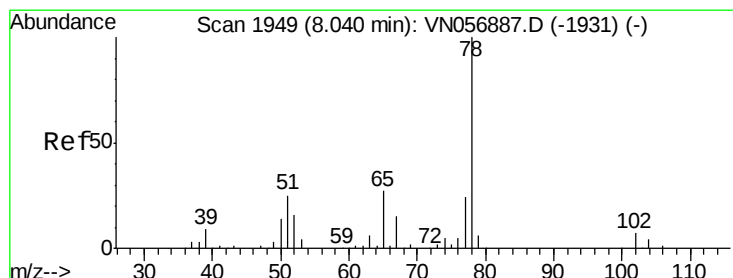
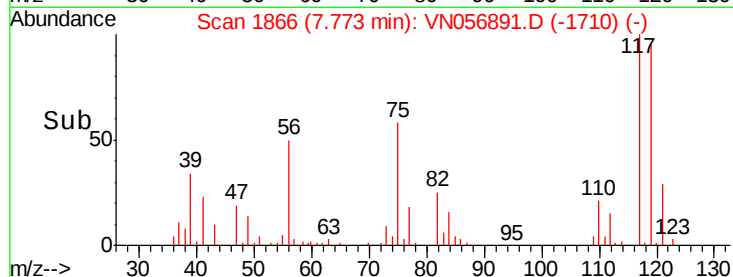
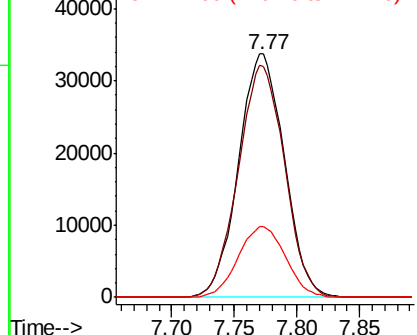
#33
Carbon Tetrachloride
Concen: 19.571 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 85559
Ion Ratio Lower Upper
117 100
119 94.7 75.1 112.7
121 29.1 25.8 38.8

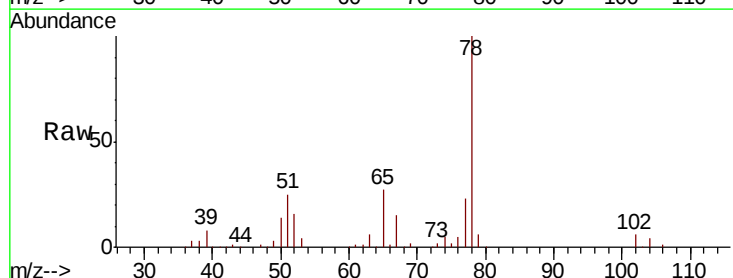


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

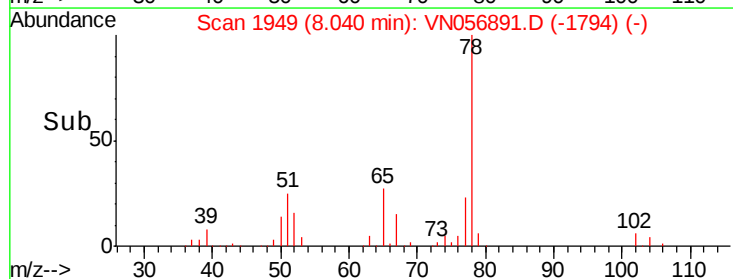
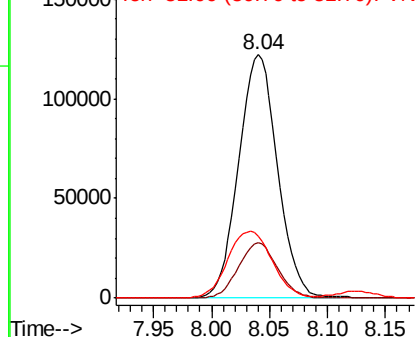


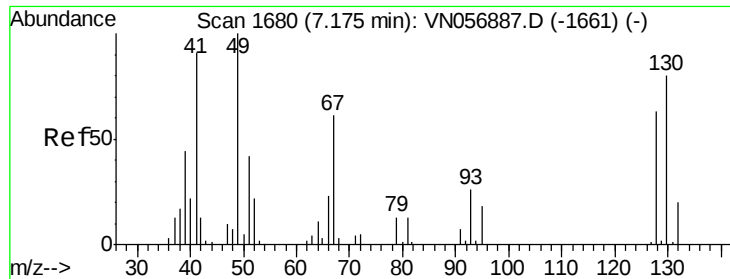
#34
Benzene
Concen: 19.842 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 78 Resp: 284996
Ion Ratio Lower Upper
78 100
77 22.7 19.4 29.2
51 25.1 20.4 30.6



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

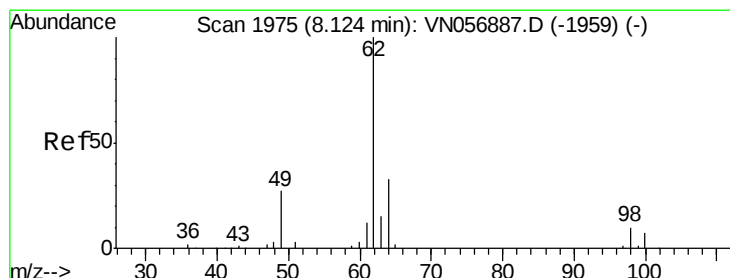
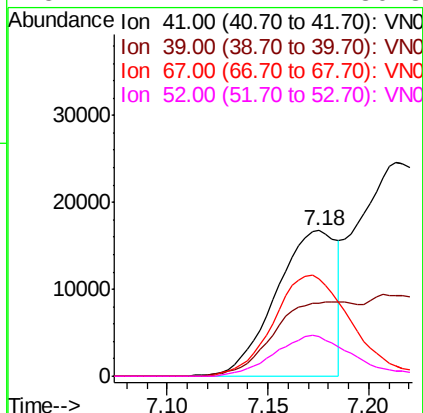
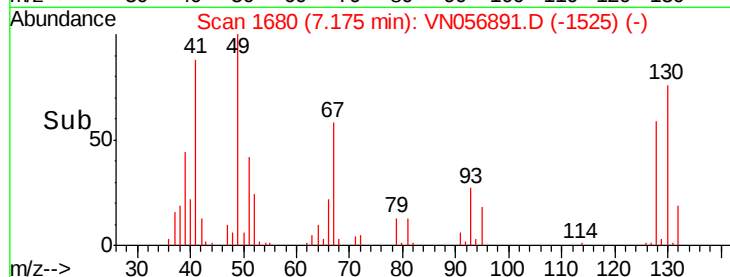
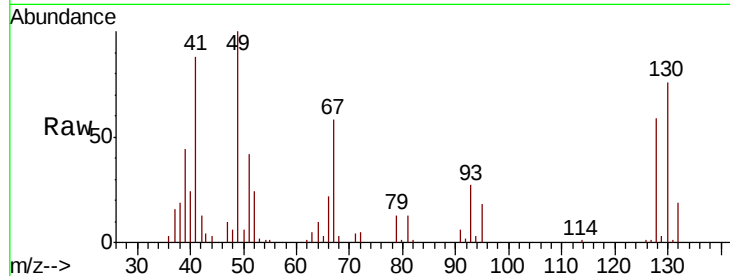




#35
Methacrylonitrile
Concen: 19.211 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

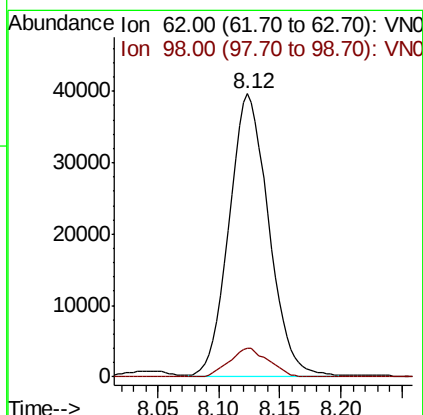
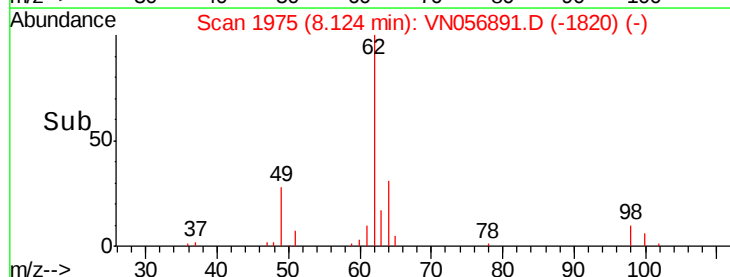
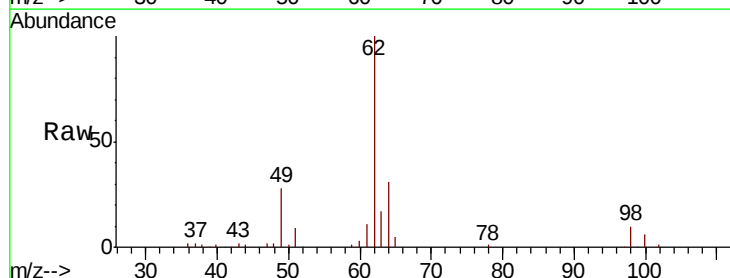
Instrument :
MSVOA_N
ClientSampled :

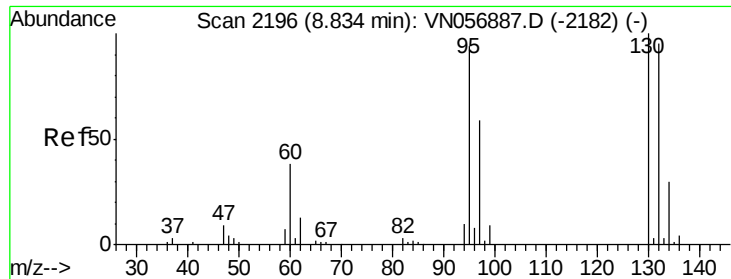
Tot Ion:	41	Resp:	35138
Ion	Ratio	Lower	Upper
41	100		
39	50.5	24.4	73.2
67	66.4	33.4	100.1
52	27.2	12.1	36.3



#36
1,2-Dichloroethane
Concen: 19.949 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion:	62	Resp:	89079
Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.7	11.5

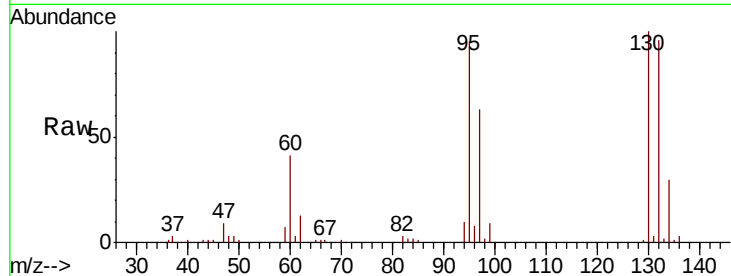




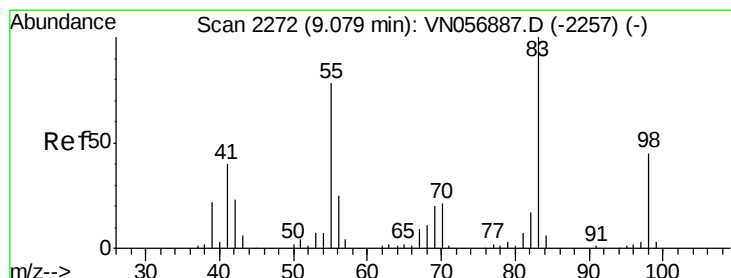
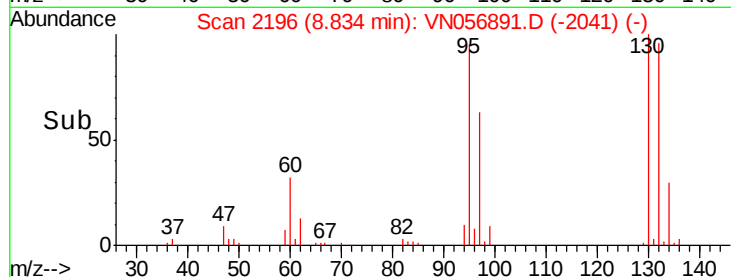
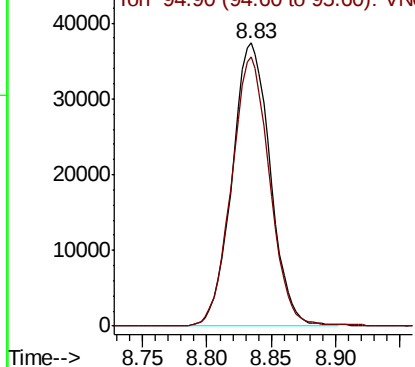
#37
 Trichloroethene
 Concen: 19.963 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 76873
 Ion Ratio Lower Upper
 130 100
 95 95.3 74.9 112.3

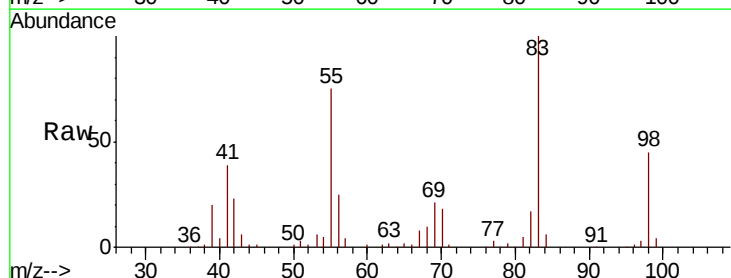


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

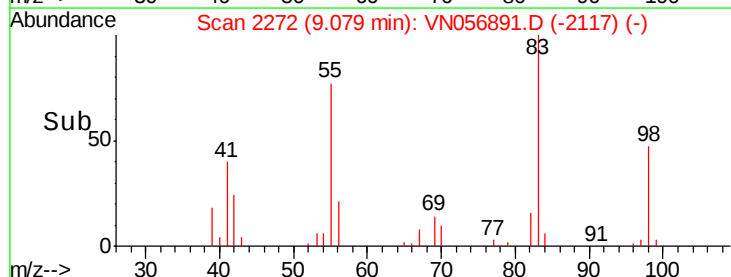
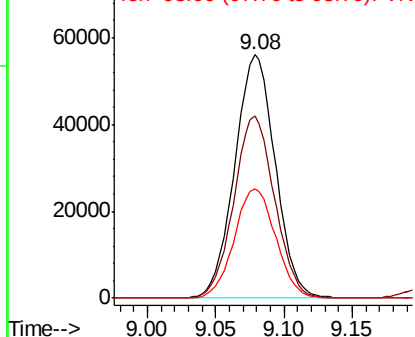


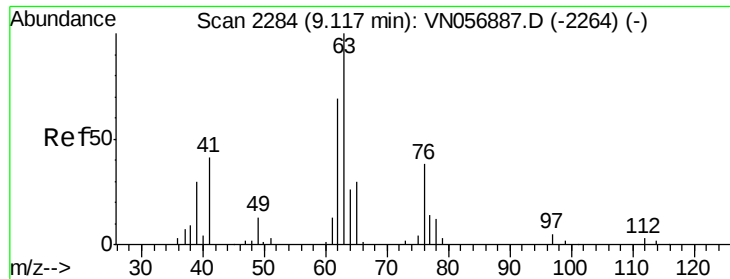
#38
 Methylcyclohexane
 Concen: 19.959 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion: 83 Resp: 115739
 Ion Ratio Lower Upper
 83 100
 55 75.1 38.4 115.1
 98 45.9 22.7 68.0



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

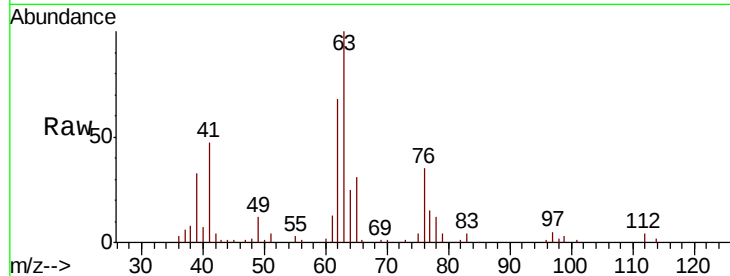




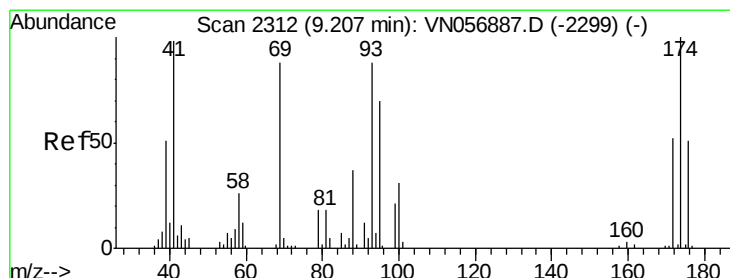
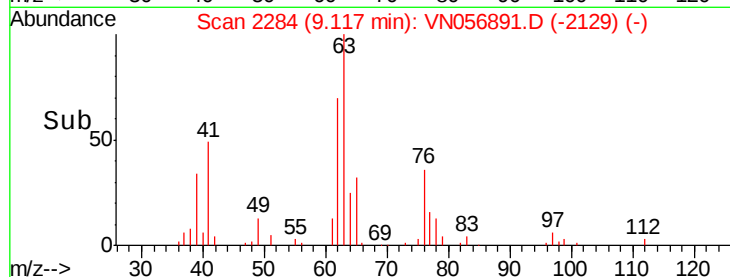
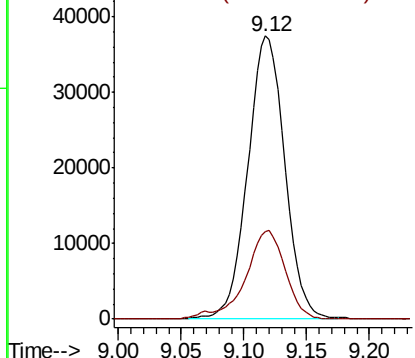
#39
 1,2-Dichloropropane
 Concen: 20.112 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 77110
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 36.8

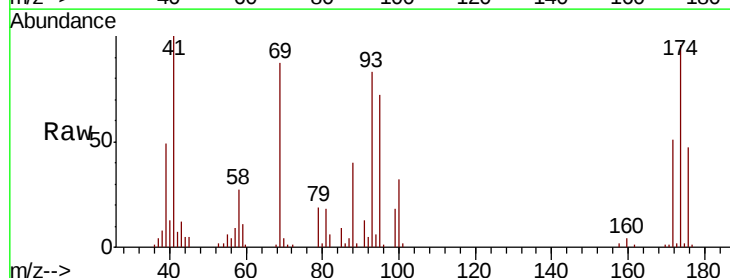


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 65.00 (64.70 to 65.70): VN0

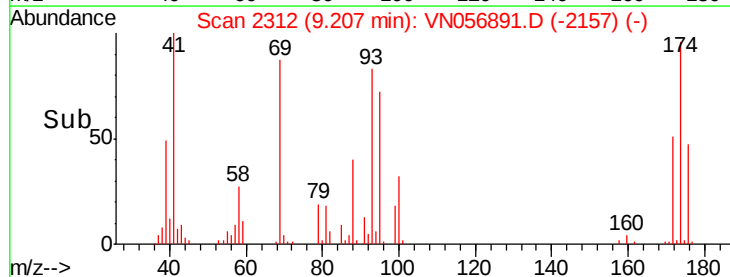
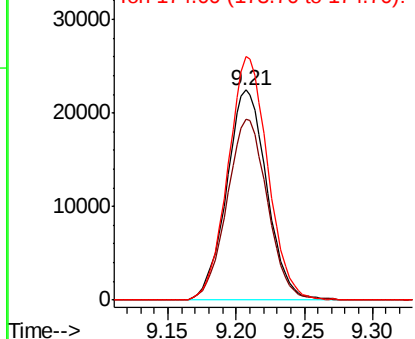


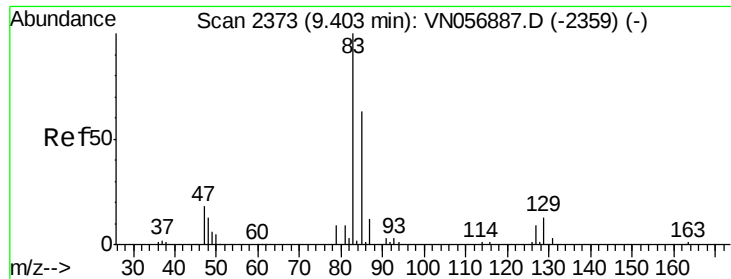
#40
 Dibromomethane
 Concen: 19.575 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion: 93 Resp: 46041
 Ion Ratio Lower Upper
 93 100
 95 86.5 0.0 165.8
 174 114.4 0.0 232.4



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

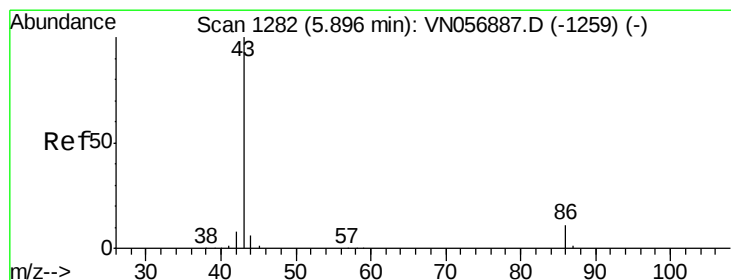
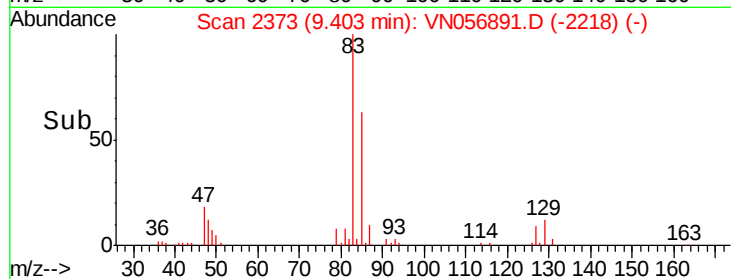
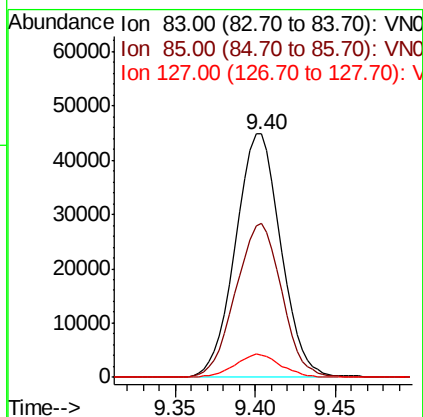
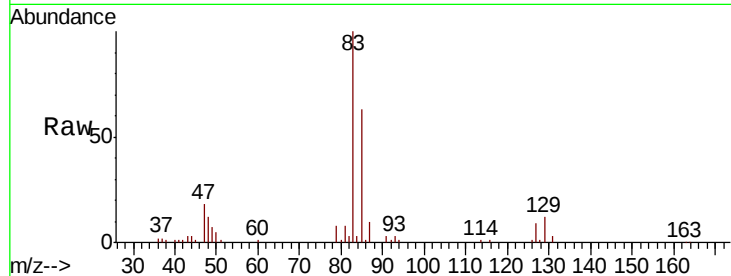




#41
 Bromodichloromethane
 Concen: 19.202 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

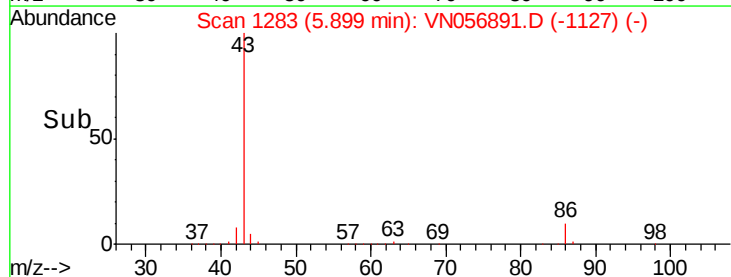
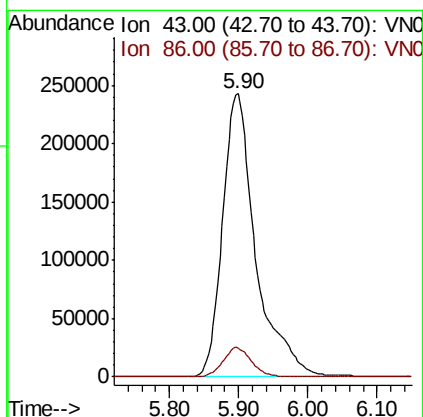
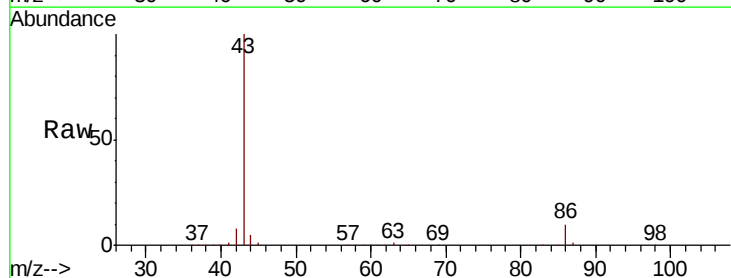
Instrument :
 MSVOA_N
 ClientSampleId :

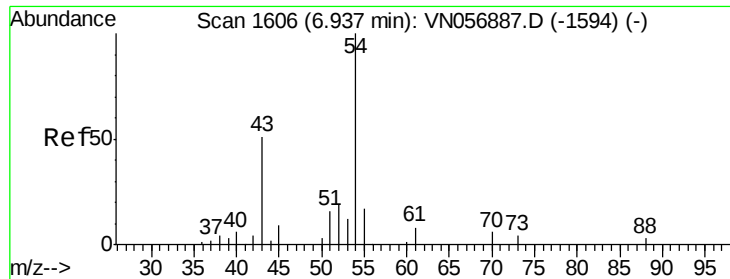
Tot Ion	83	Resp	86785
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8
127	9.3	7.2	10.8



#42
 Vinyl Acetate
 Concen: 99.615 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion	43	Resp	812472
Ion	Ratio	Lower	Upper
43	100		
86	8.9	7.4	11.2





#43

Ethyl Acetate

Concen: 19.525 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

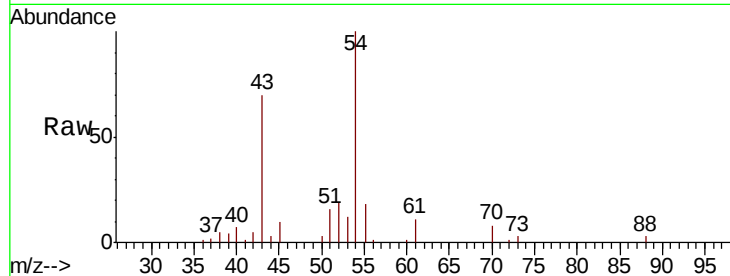
ClientSampled :

Tot Ion: 43 Resp: 73308

Ion Ratio Lower Upper

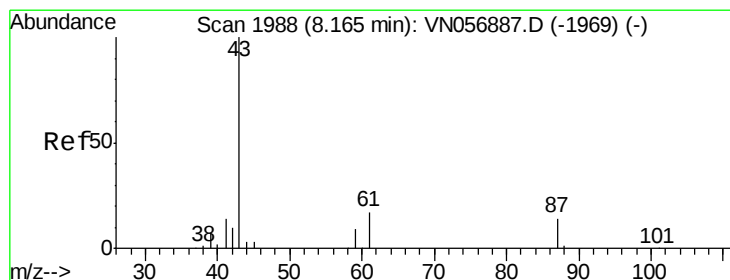
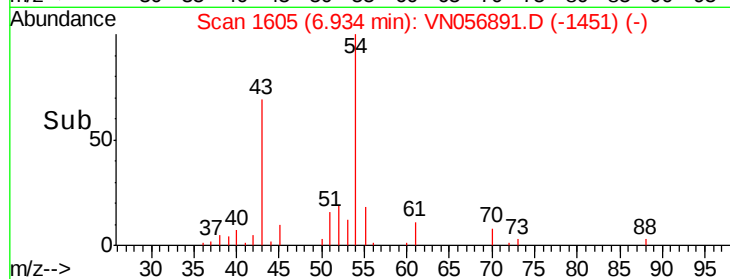
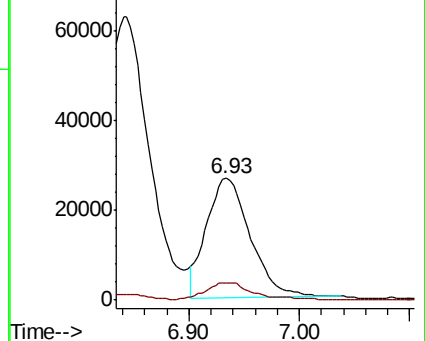
43 100

45 7.7 10.2 15.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.494 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056891.D

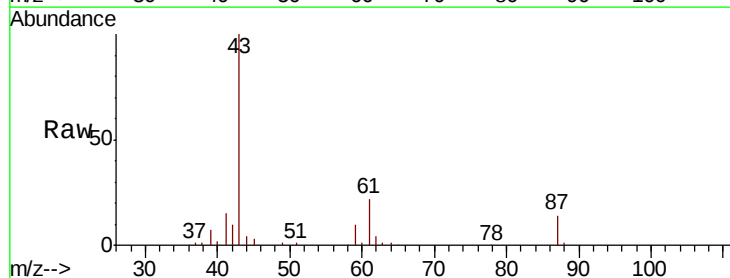
Acq: 23 Jul 2019 21:29

Tgt Ion: 43 Resp: 122002

Ion Ratio Lower Upper

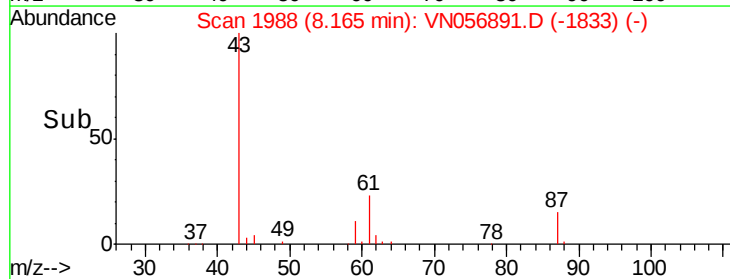
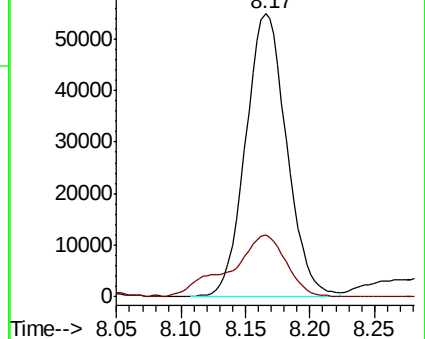
43 100

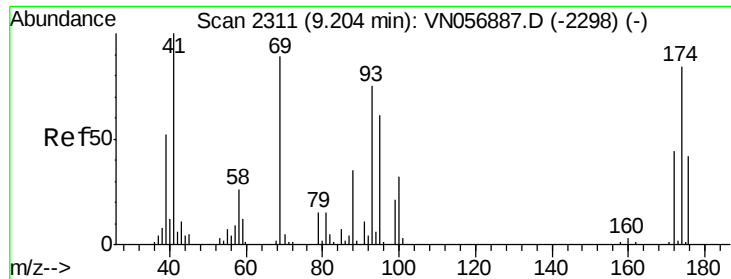
61 30.0 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

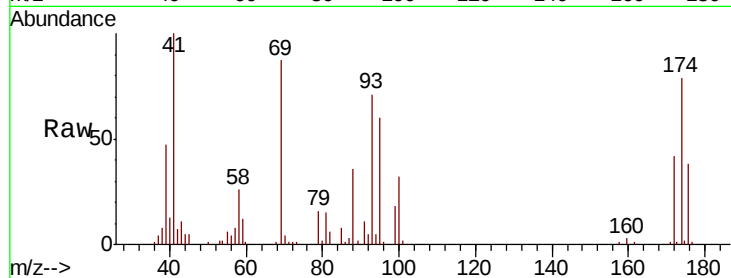




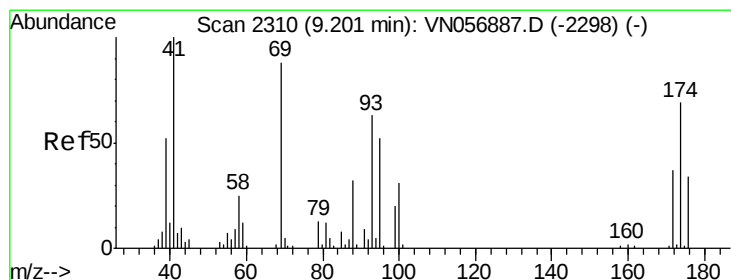
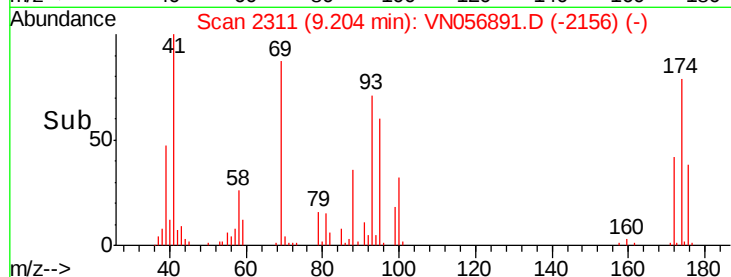
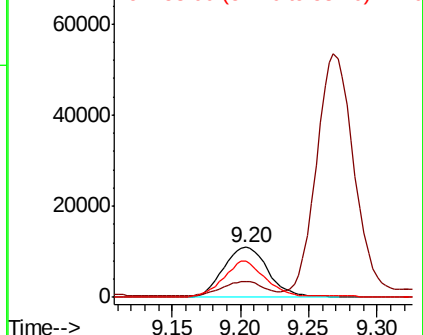
#45
 1,4-Dioxane
 Concen: 422.762 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 25188
 Ion Ratio Lower Upper
 88 100
 43 26.2 23.4 35.0
 58 67.4 58.5 87.7

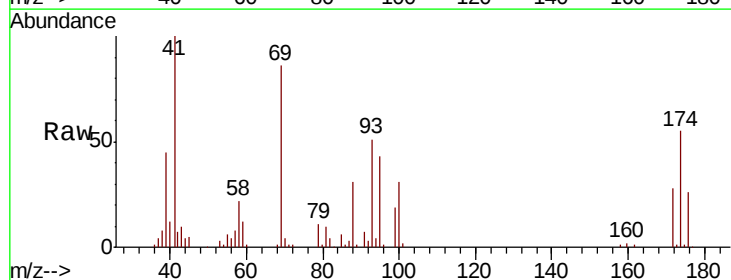


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

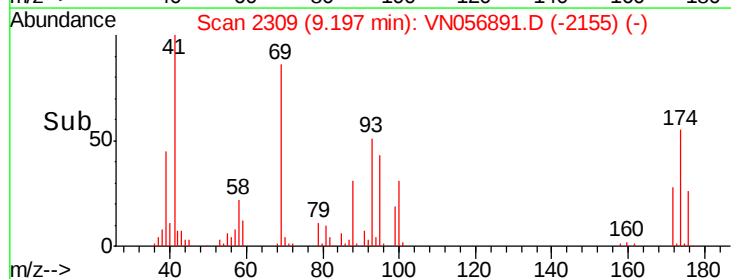
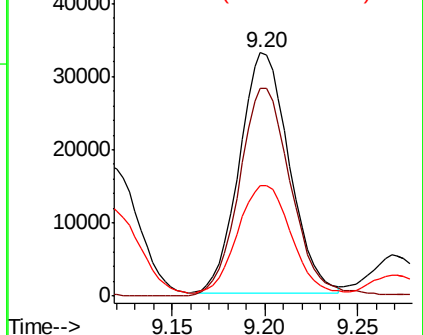


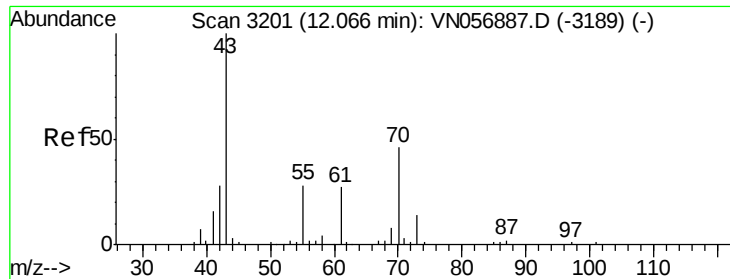
#46
 Methyl methacrylate
 Concen: 19.712 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion: 41 Resp: 61545
 Ion Ratio Lower Upper
 41 100
 69 86.8 44.0 132.0
 39 44.6 25.8 77.4



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

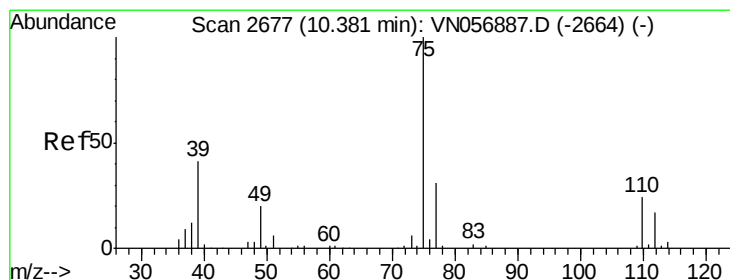
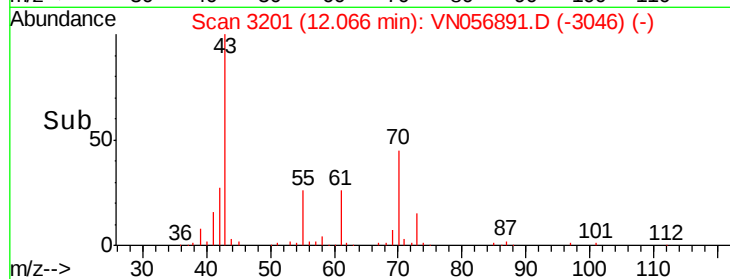
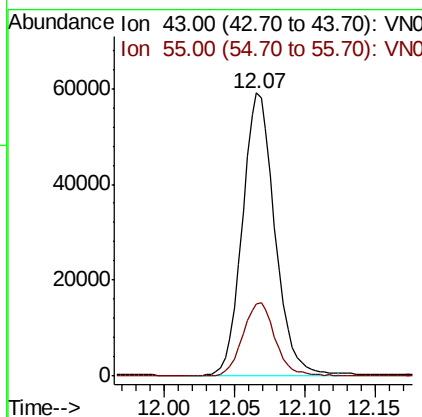
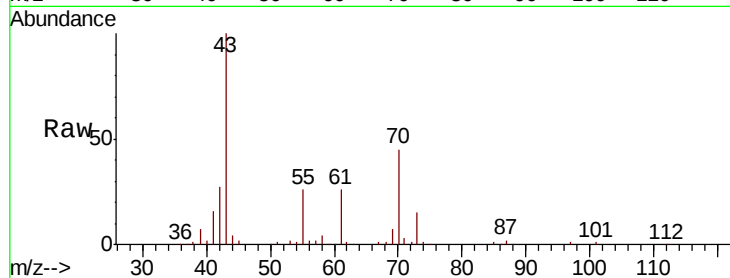




#47
n-amvl Acetate
Concen: 19.128 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

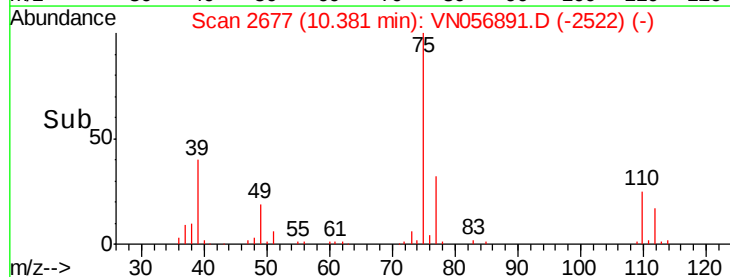
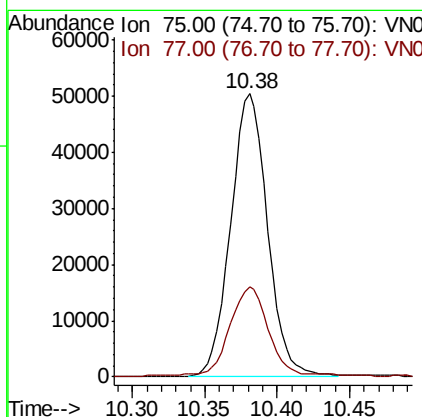
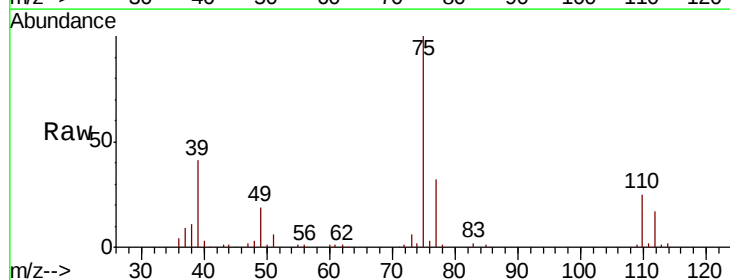
Instrument :
MSVOA_N
ClientSampled :

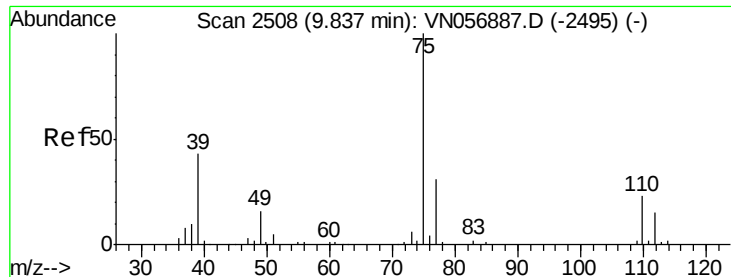
Tot Ion: 43 Resp: 95827
Ion Ratio Lower Upper
43 100
55 25.7 21.3 31.9



#48
t-1,3-Dichloropropene
Concen: 18.943 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 75 Resp: 89092
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0



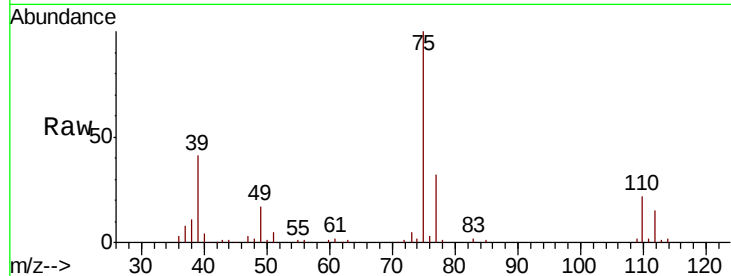


#49

cis-1,3-Dichloropropene
Concen: 19.123 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.4	36.6
39	41.5	34.2	51.4

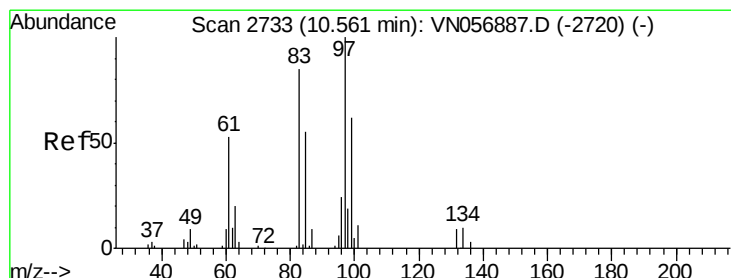
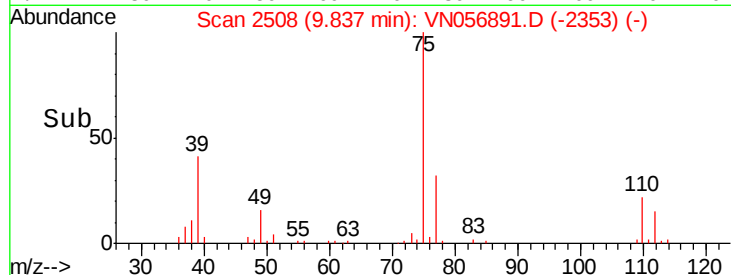
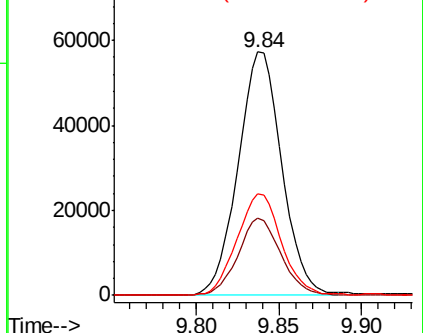


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

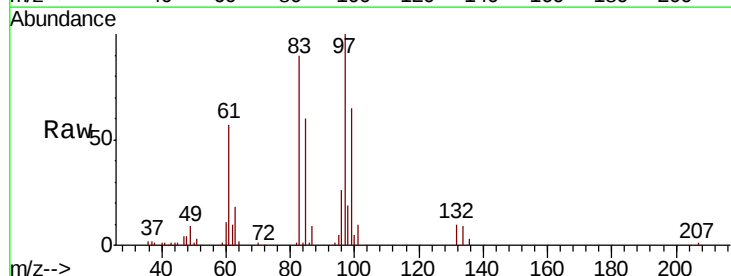
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
Concen: 19.757 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.6	68.4	102.6
85	59.7	44.3	66.5
99	64.6	49.4	74.2



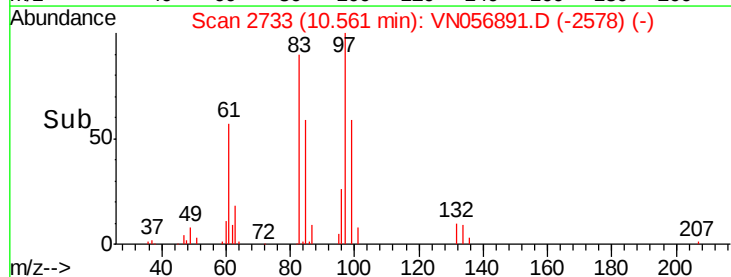
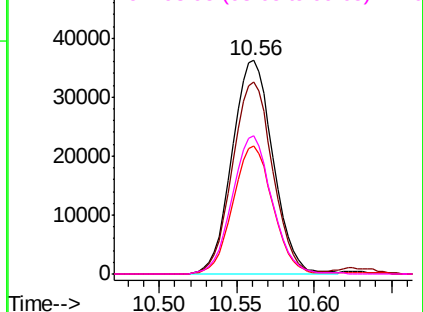
Abundance

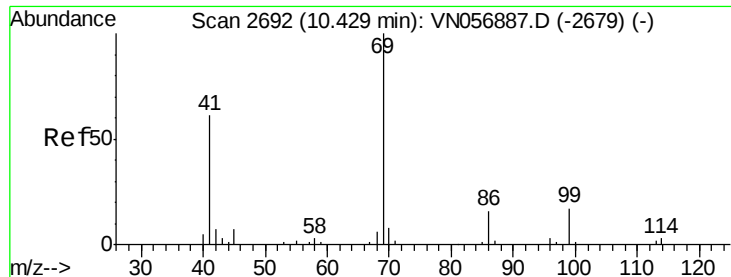
Ion 97.00 (96.70 to 97.70): VNO

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: 19.650 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

ClientSampled :

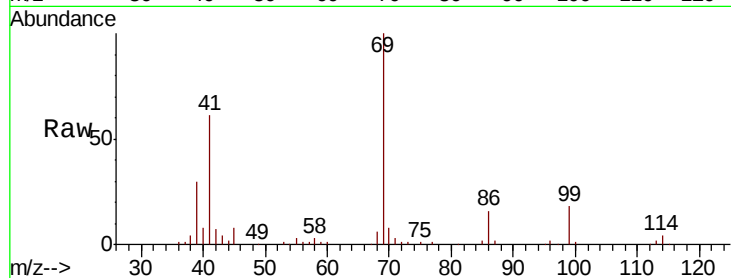
Tot Ion: 69 Resp: 95978

Ion Ratio Lower Upper

69 100

41 60.7 30.4 91.3

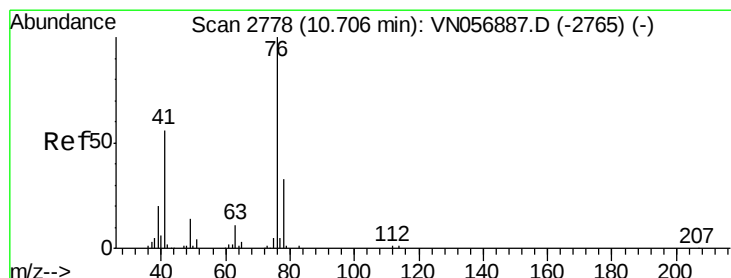
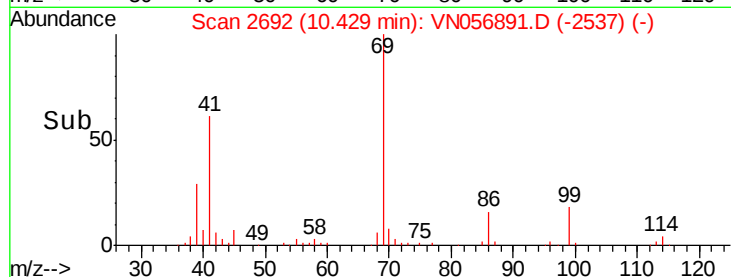
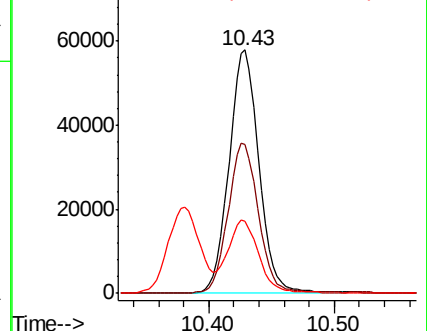
39 29.1 14.2 42.6



Abundance Ion 69.00 (68.70 to 69.70): VN056891.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN056891.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN056891.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 19.741 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056891.D

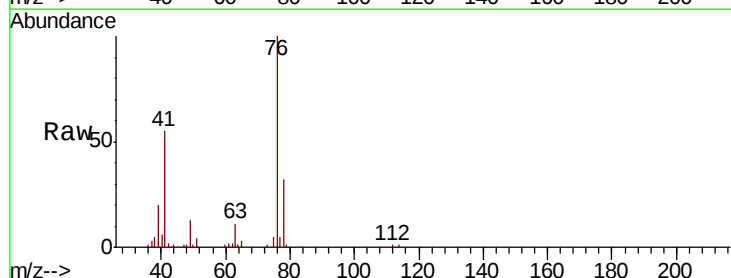
Acq: 23 Jul 2019 21:29

Tgt Ion: 76 Resp: 112504

Ion Ratio Lower Upper

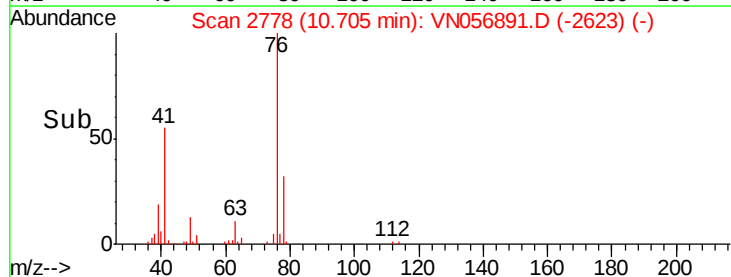
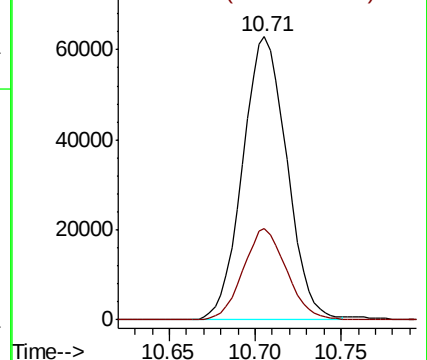
76 100

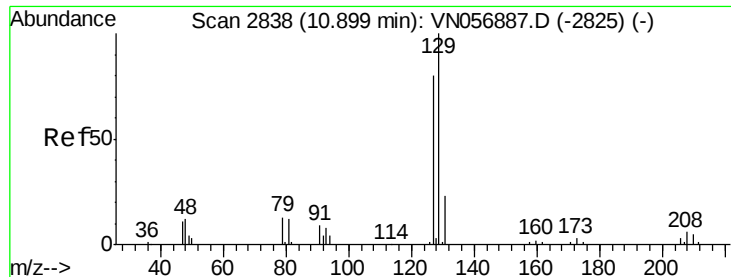
78 31.6 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN056891.D (-2623) (-)

Ion 78.00 (77.70 to 78.70): VN056891.D (-2623) (-)





#53

Dibromochloromethane

Concen: 19.116 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

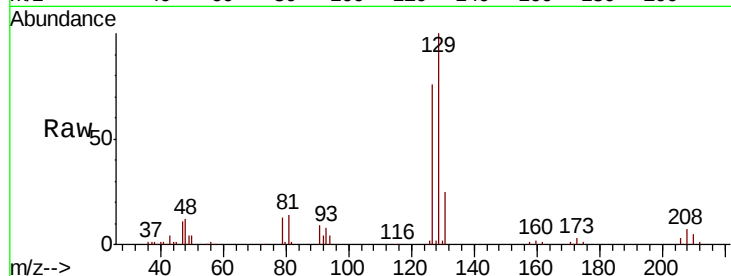
ClientSampled :

Tot Ion:129 Resp: 67100

Ion Ratio Lower Upper

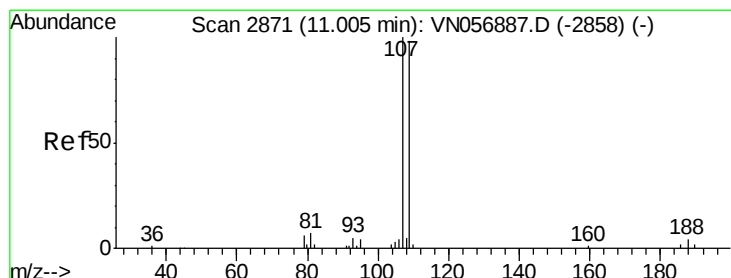
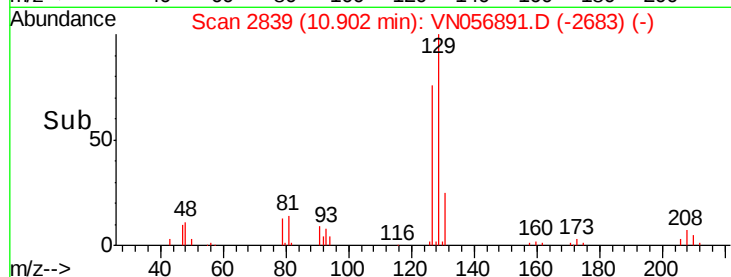
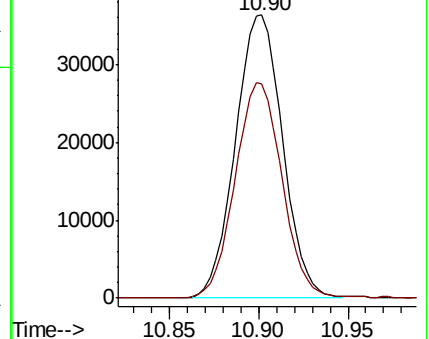
129 100

127 75.6 38.8 116.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.907 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056891.D

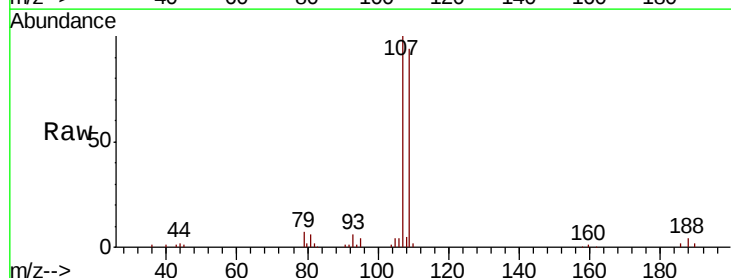
Acq: 23 Jul 2019 21:29

Tgt Ion:107 Resp: 68581

Ion Ratio Lower Upper

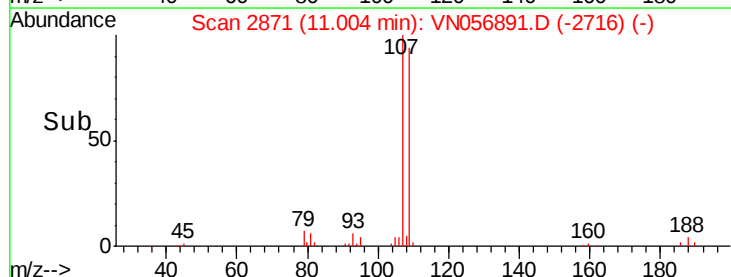
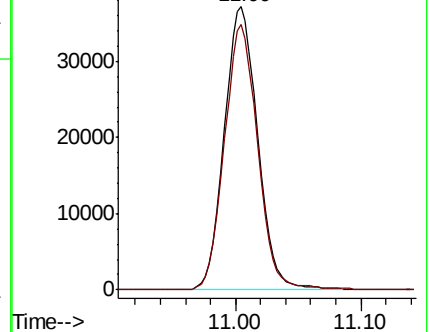
107 100

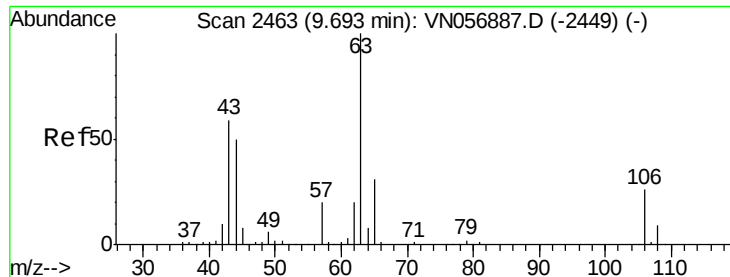
109 92.7 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

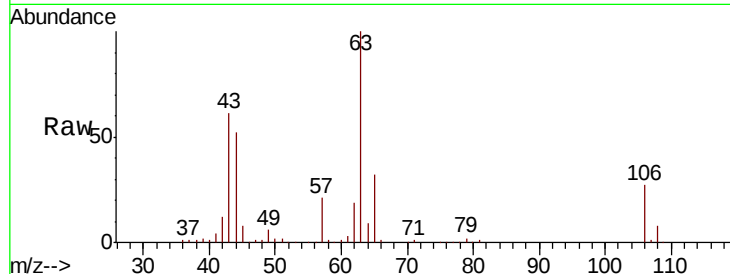




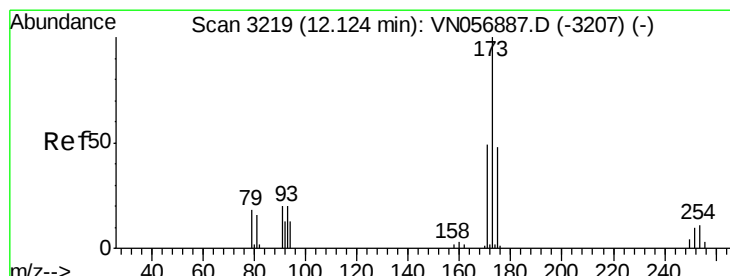
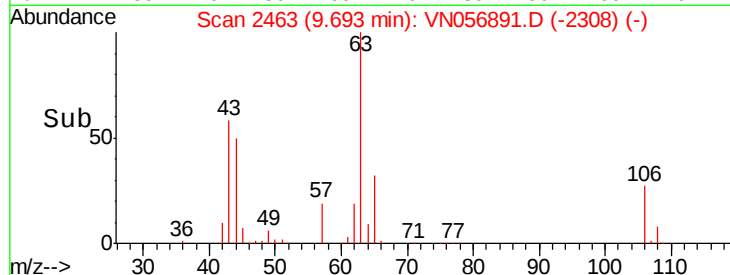
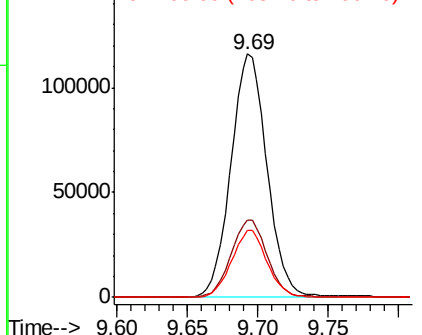
#55
2-Chloroethyl vinyl ether
Concen: 98.530 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 208430
Ion Ratio Lower Upper
63 100
65 31.7 25.1 37.7
106 26.9 21.5 32.3

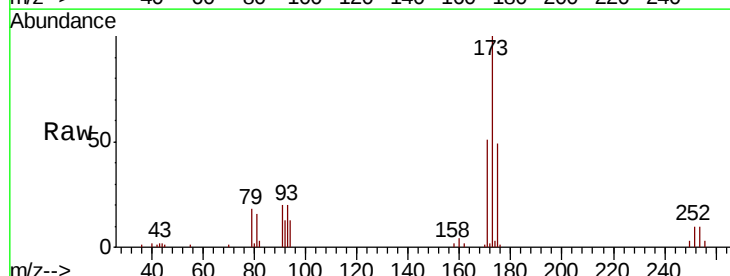


Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)
Ion 65.00 (64.70 to 65.70): VN056887.D (-2449) (-)
Ion 106.00 (105.70 to 106.70): VN056887.D (-2449) (-)

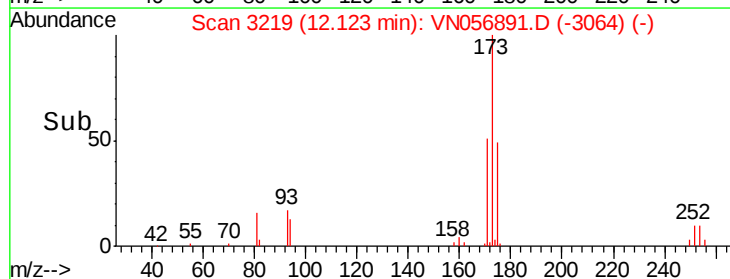
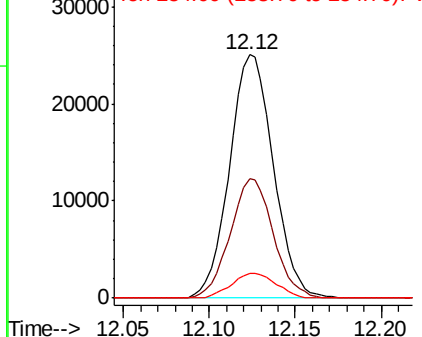


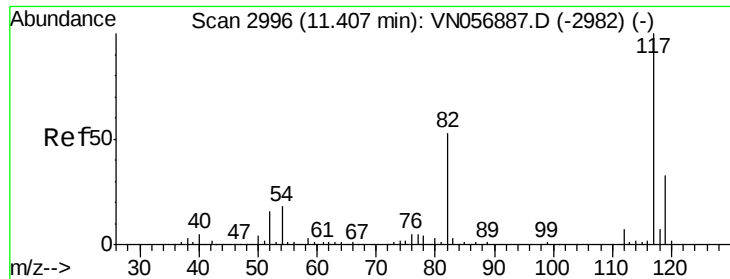
#56
Bromoform
Concen: 18.323 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 173 Resp: 44499
Ion Ratio Lower Upper
173 100
175 48.0 38.8 58.2
254 10.2 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)
Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)
Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)

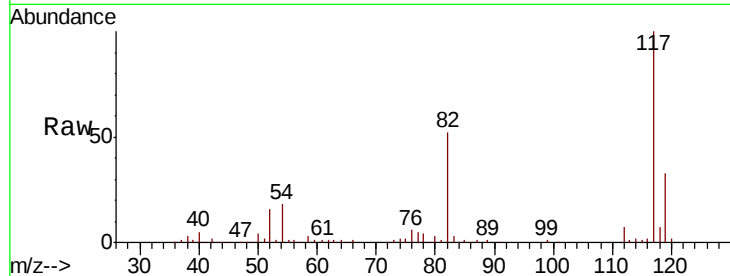




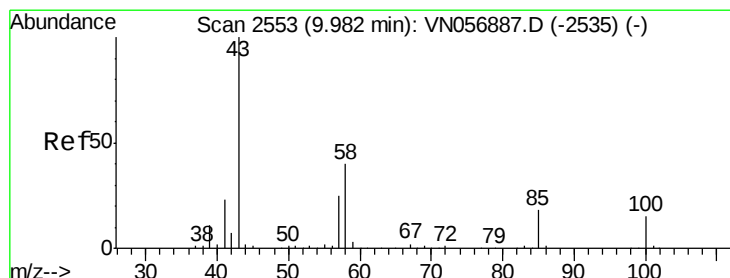
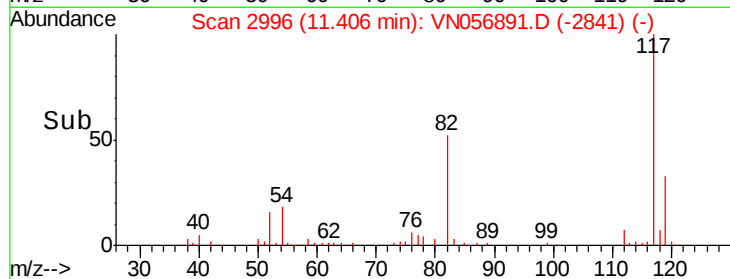
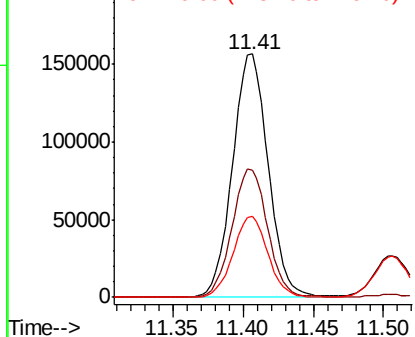
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 278119
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 32.5 26.2 39.2

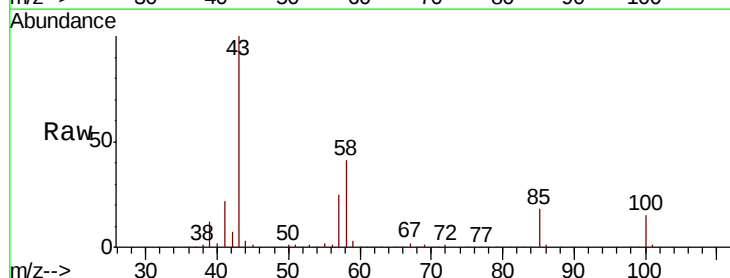


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

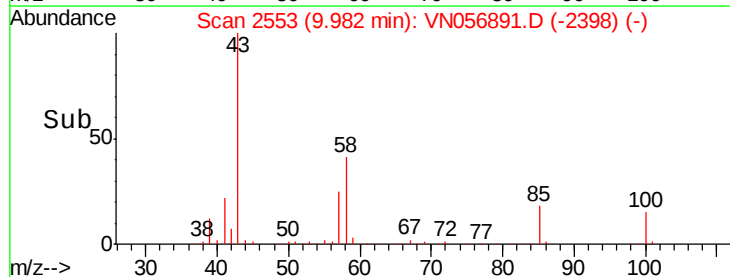
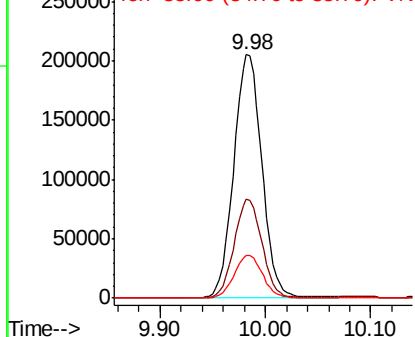


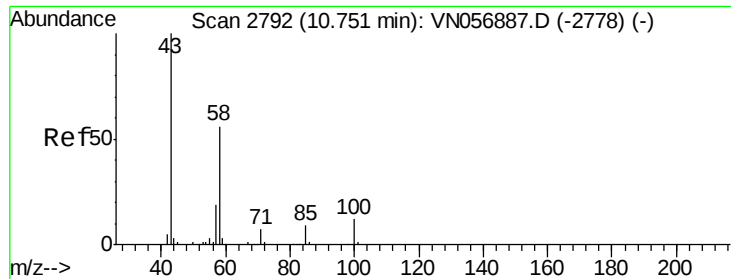
#58
4-Methyl-2-Pentanone
Concen: 101.205 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 43 Resp: 377722
Ion Ratio Lower Upper
43 100
58 40.4 31.7 47.5
85 17.8 14.5 21.7



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

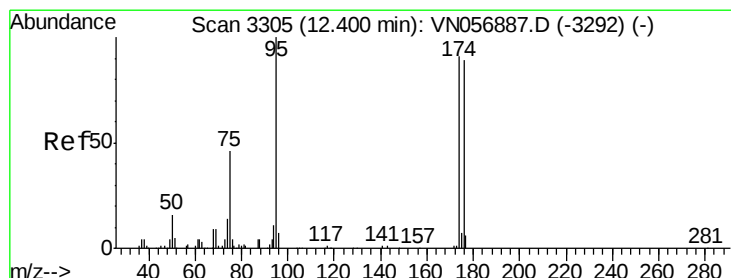
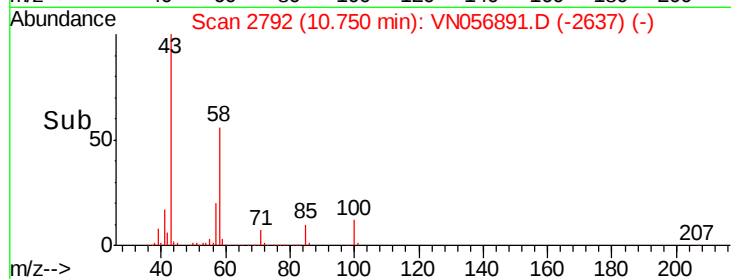
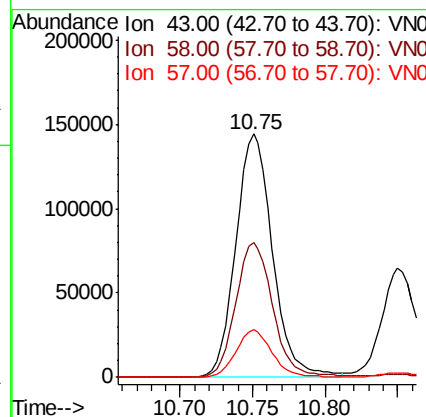
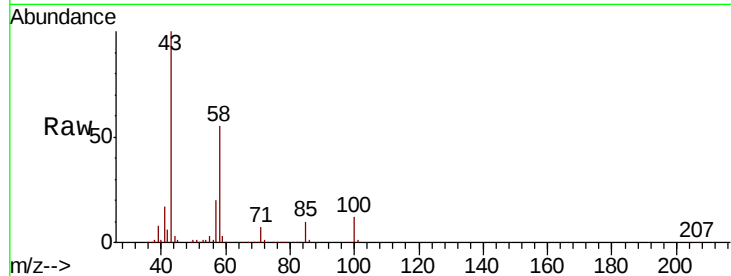




#59
2-Hexanone
Concen: 99.468 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

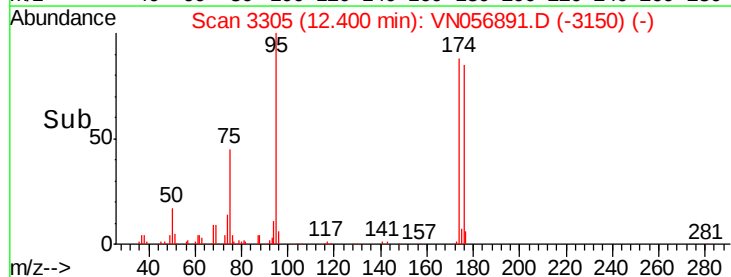
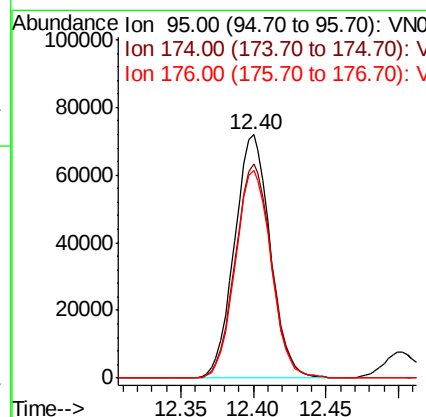
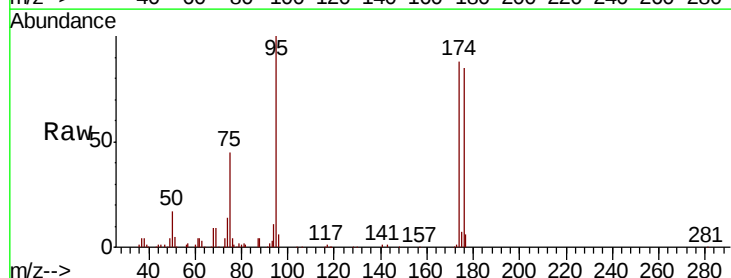
Instrument :
MSVOA_N
ClientSampleId :

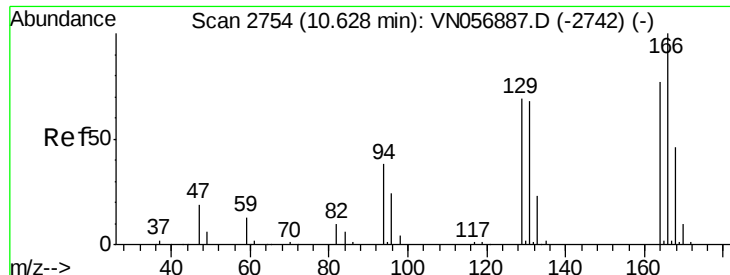
Tot Ion	43	Resp	252969
Ion Ratio	Lower	Upper	
43	100		
58	56.4	45.0	67.4
57	19.2	15.4	23.0



#60
4-Bromofluorobenzene
Concen: 29.447 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion	95	Resp	122747
Ion Ratio	Lower	Upper	
95	100		
174	89.3	71.9	107.9
176	85.7	69.8	104.8

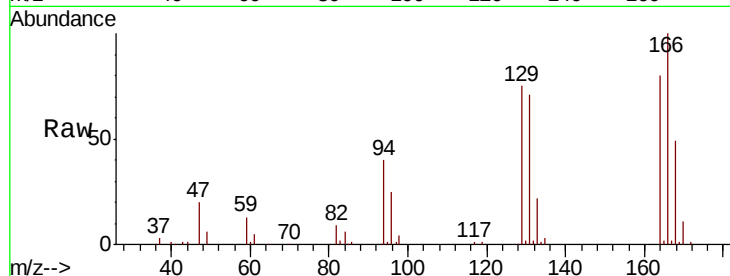




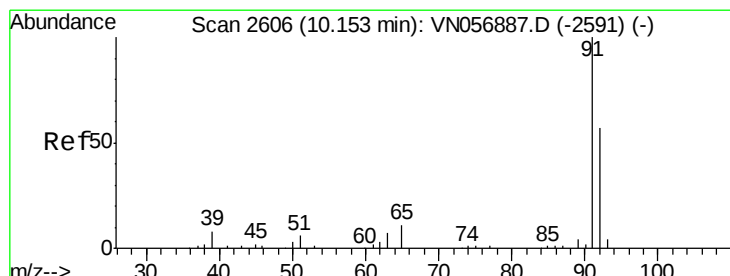
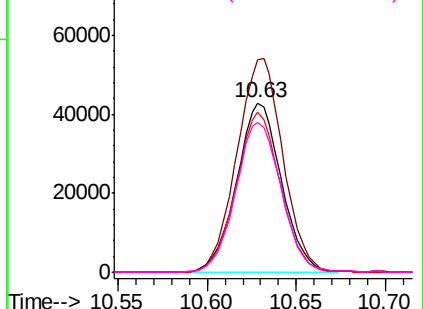
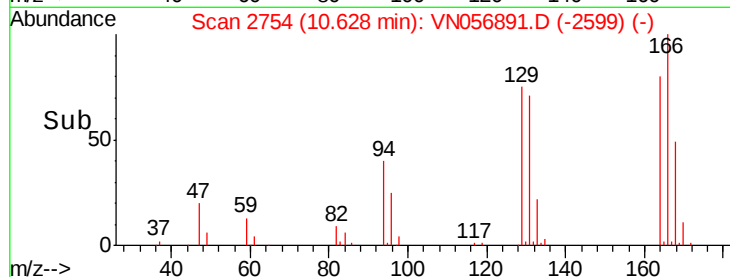
#61
Tetrachloroethene
Concen: 19.276 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:164 Resp: 75134
Ion Ratio Lower Upper
164 100
166 125.2 103.9 155.9
129 93.8 72.4 108.6
131 88.2 70.3 105.5

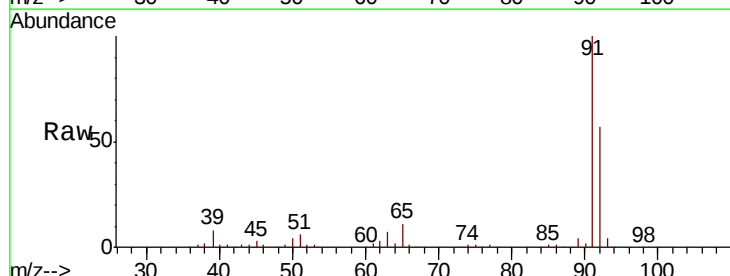


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

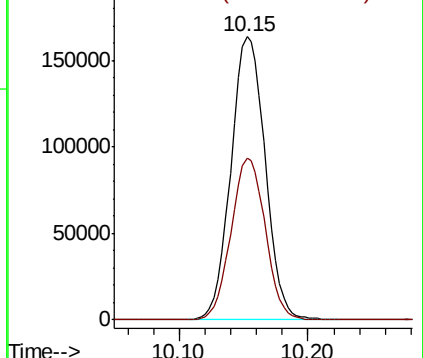
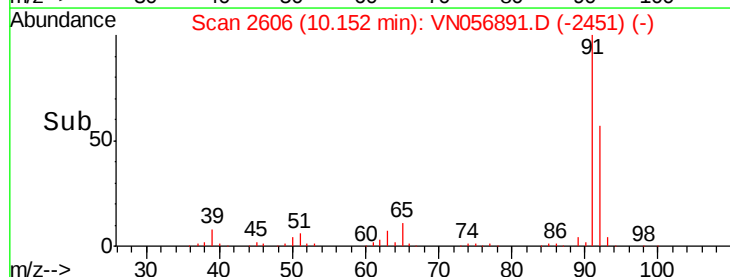


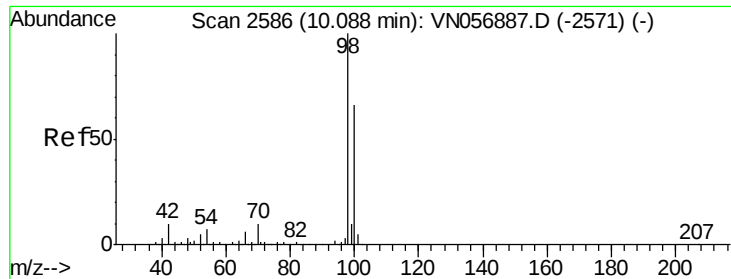
#62
Toluene
Concen: 19.981 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 91 Resp: 302239
Ion Ratio Lower Upper
91 100
92 57.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.250 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

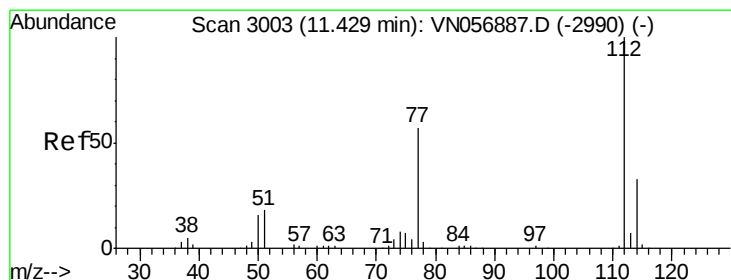
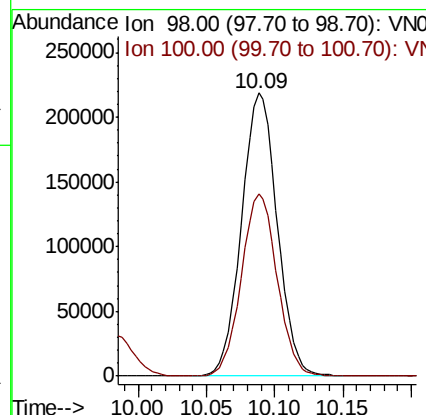
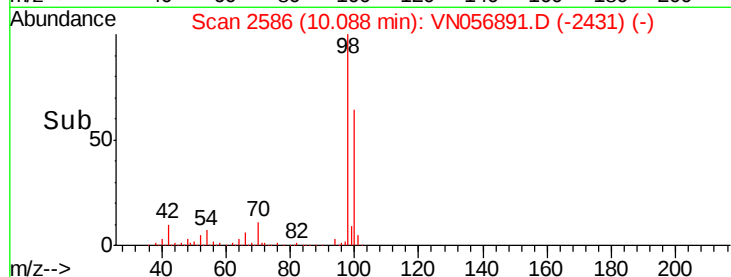
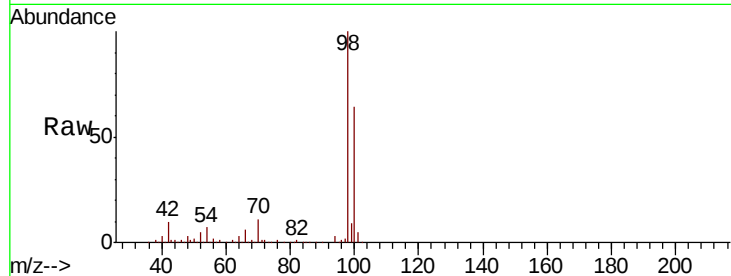
ClientSampleId :

Tot Ion: 98 Resp: 397411

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2



#64

Chlorobenzene

Concen: 19.871 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056891.D

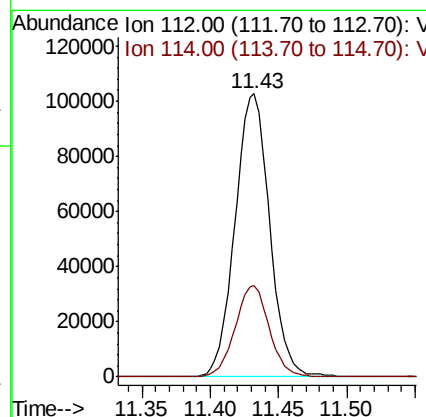
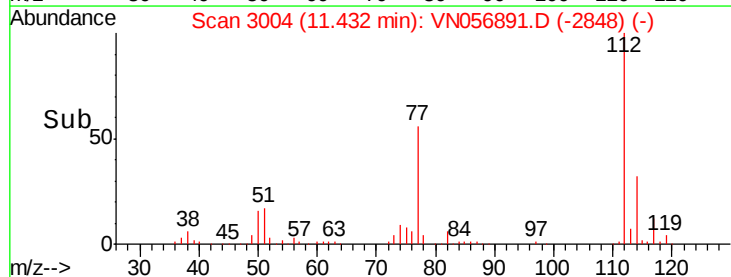
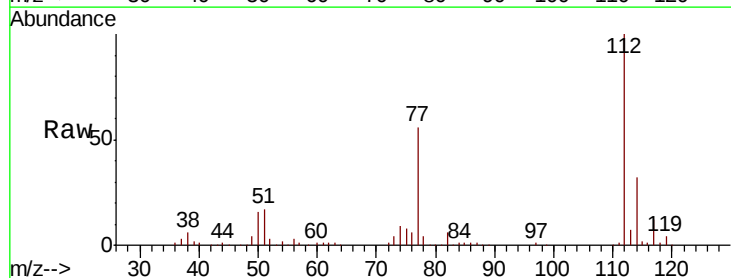
Acq: 23 Jul 2019 21:29

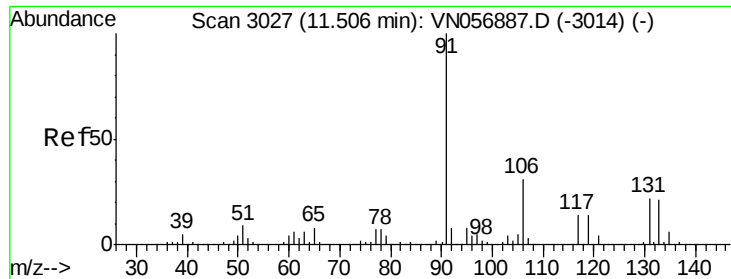
Tgt Ion: 112 Resp: 181048

Ion Ratio Lower Upper

112 100

114 32.2 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.479 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

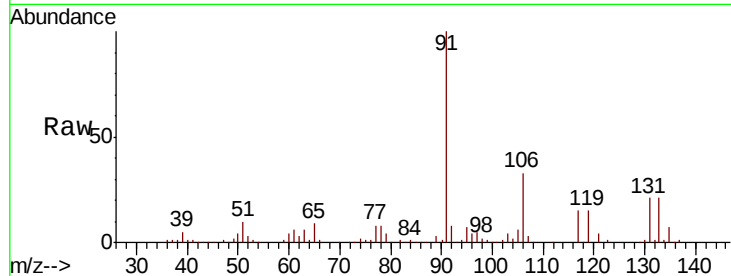
Tot Ion:131 Resp: 67222

Ion Ratio Lower Upper

131 100

133 96.8 0.0 189.6

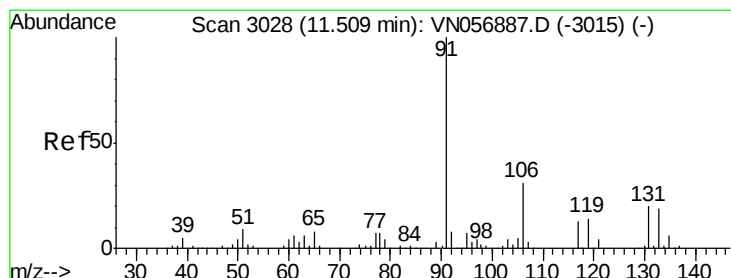
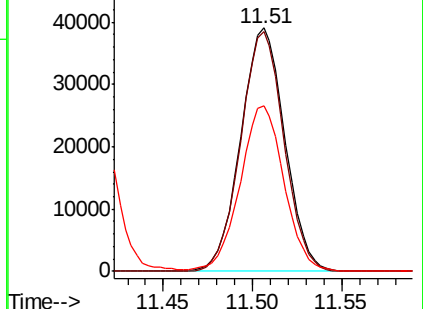
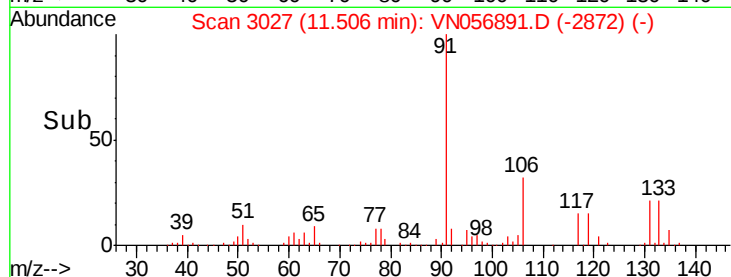
119 67.9 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.653 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056891.D

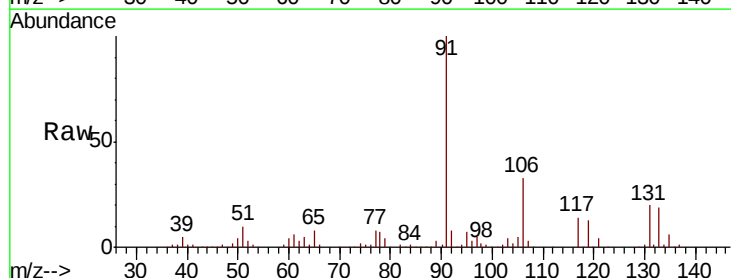
Acq: 23 Jul 2019 21:29

Tgt Ion: 91 Resp: 313256

Ion Ratio Lower Upper

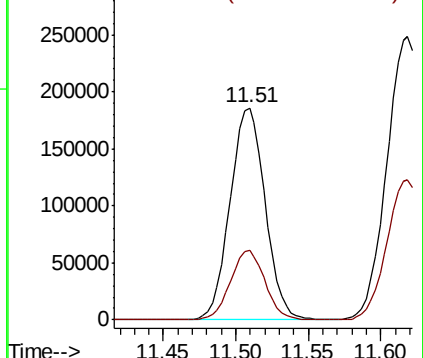
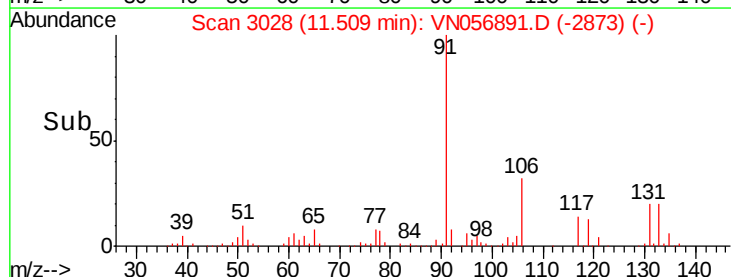
91 100

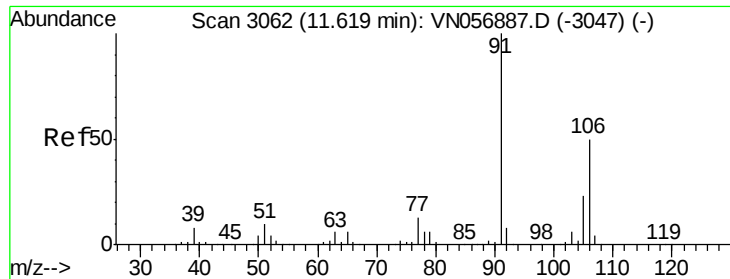
106 32.6 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

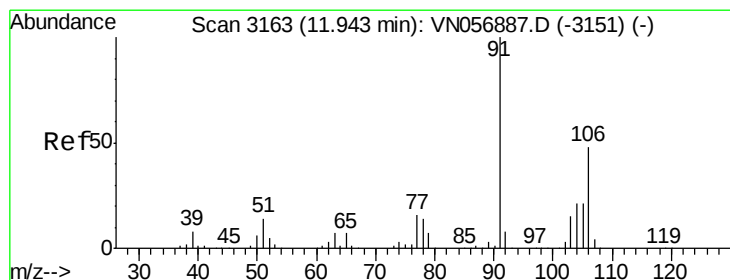
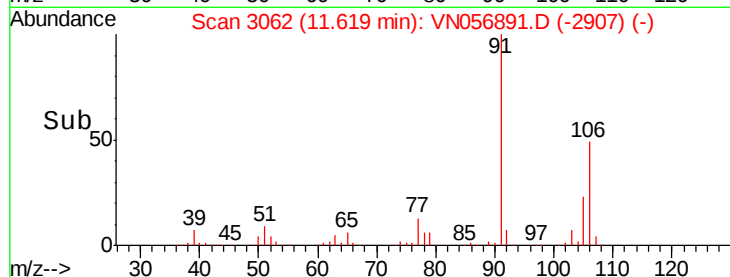
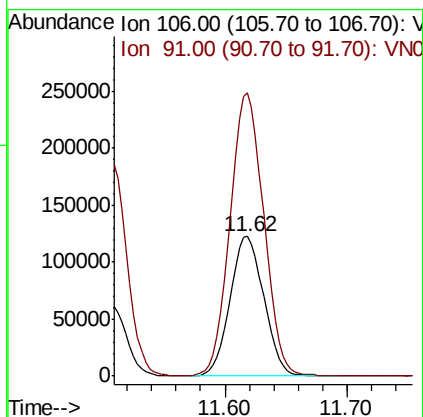
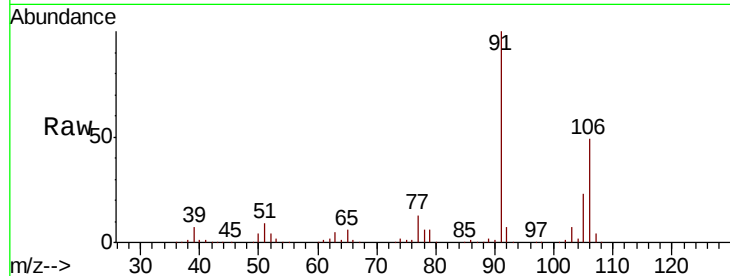




#67
m/p-Xvlenes
Concen: 39.832 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

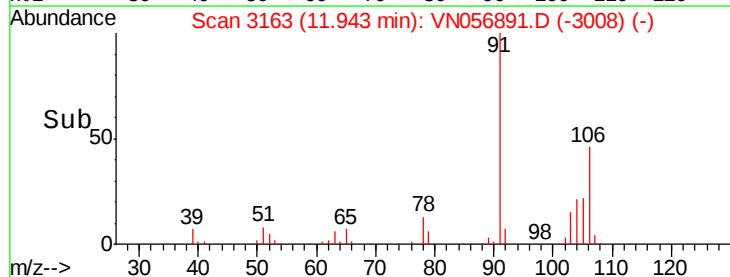
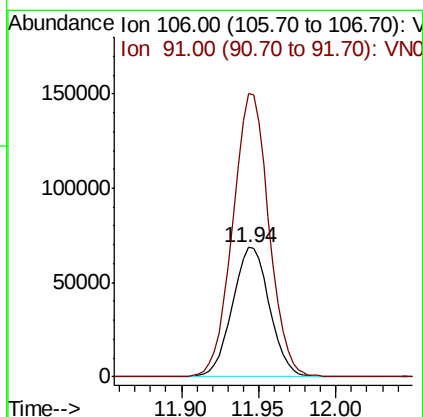
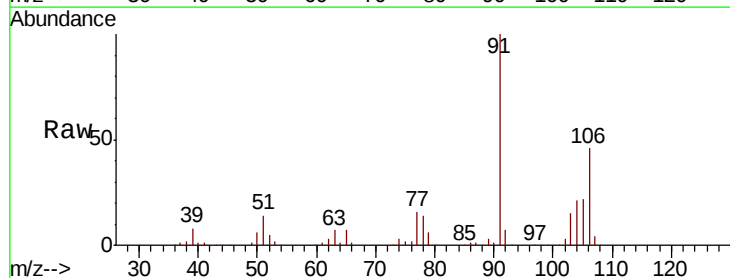
Instrument :
MSVOA_N
ClientSampled :

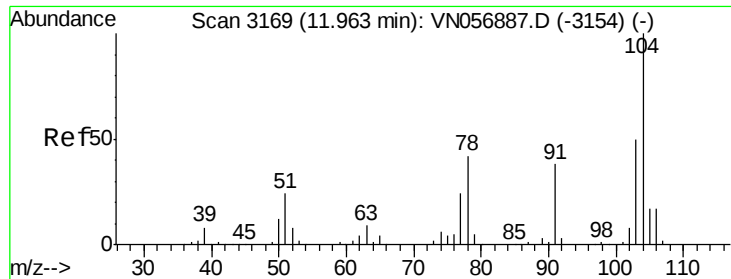
Tot Ion:106 Resp: 236751
Ion Ratio Lower Upper
106 100
91 200.6 160.6 240.8



#68
o-Xylene
Concen: 19.621 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion:106 Resp: 114662
Ion Ratio Lower Upper
106 100
91 212.7 106.2 318.6

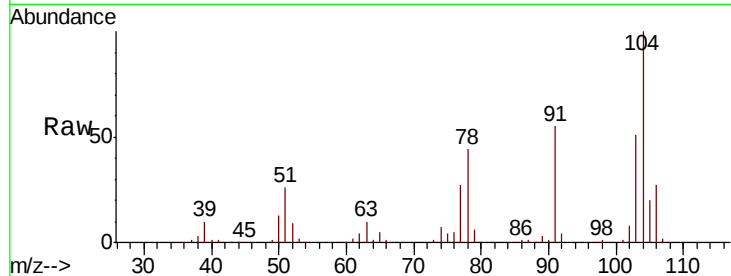




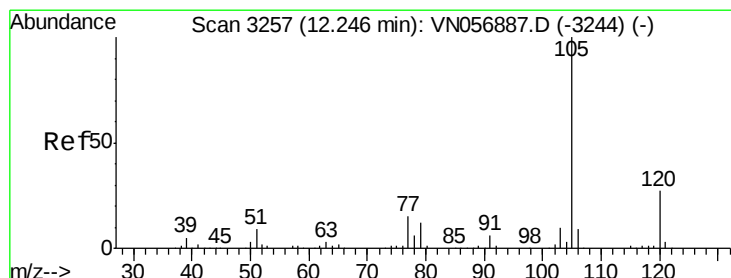
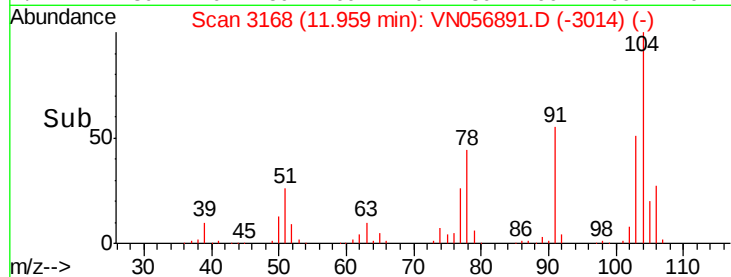
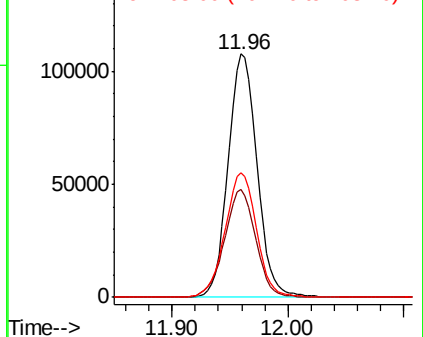
#69
Stvrene
Concen: 19.546 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 185099
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 55.8 44.7 67.1

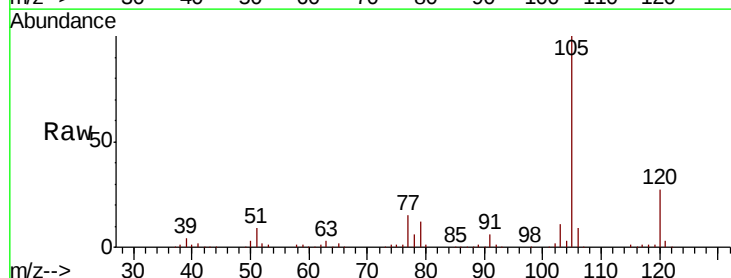


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

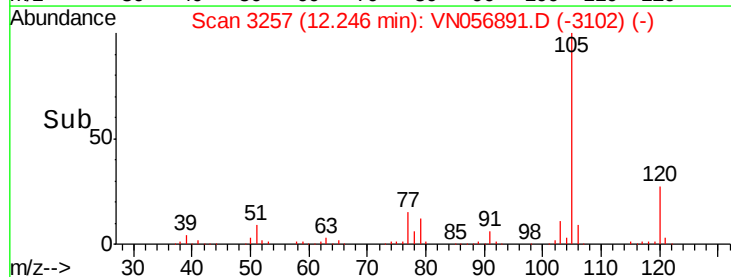
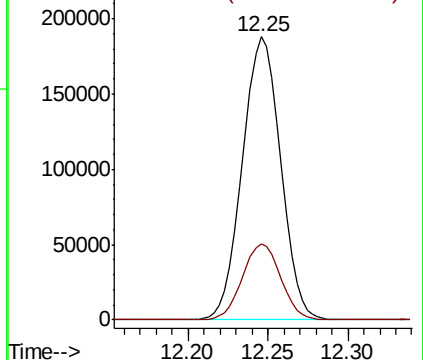


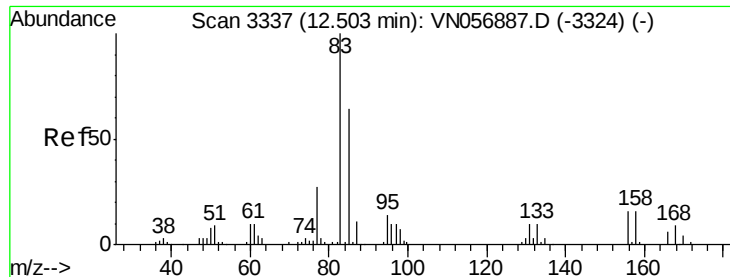
#70
Isopropylbenzene
Concen: 19.967 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion:105 Resp: 307237
Ion Ratio Lower Upper
105 100
120 27.0 18.7 34.7



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

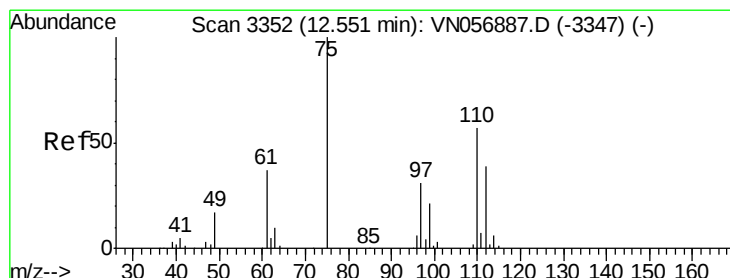
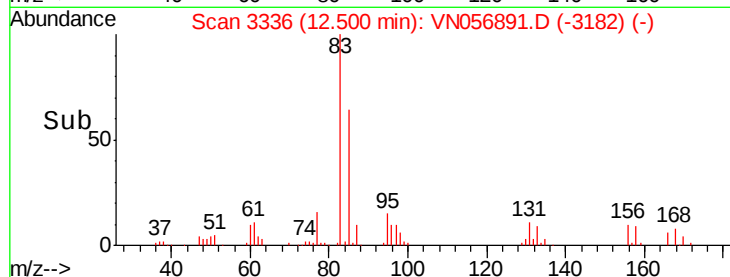
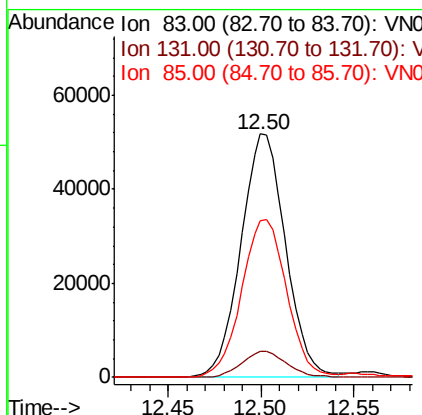
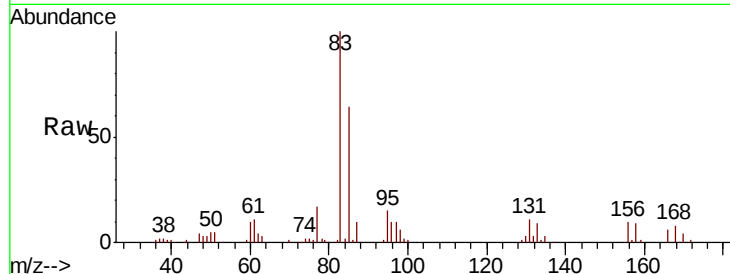




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.163 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

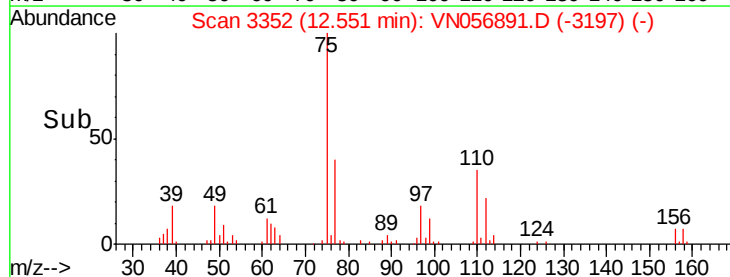
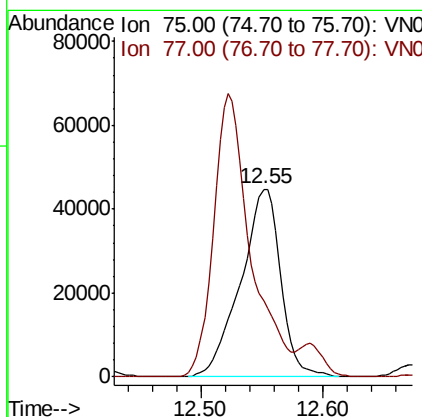
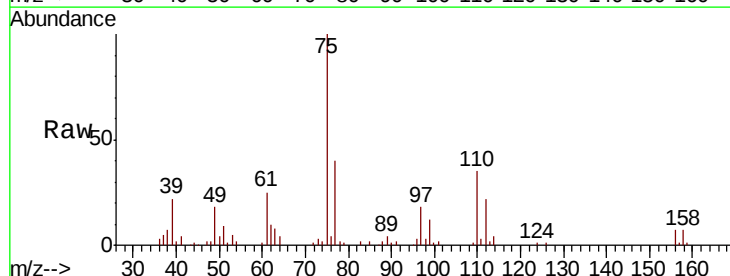
Instrument :
 MSVOA_N
 ClientSampleId :

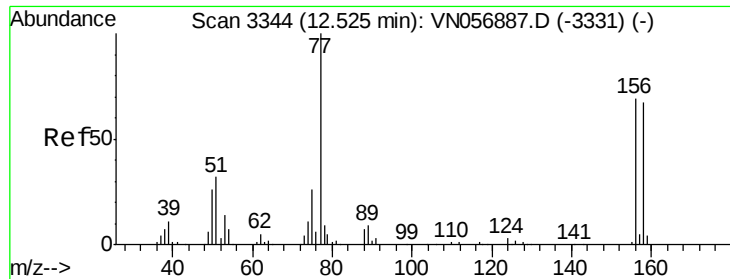
Tot Ion: 83 Resp: 86898
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.1 15.2
 85 65.4 31.8 95.4



#72
 1,2,3-Trichloropropane
 Concen: 26.767 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion: 75 Resp: 101497
 Ion Ratio Lower Upper
 75 100
 77 140.3 0.0 378.6





#73

Bromobenzene

Concen: 19.666 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

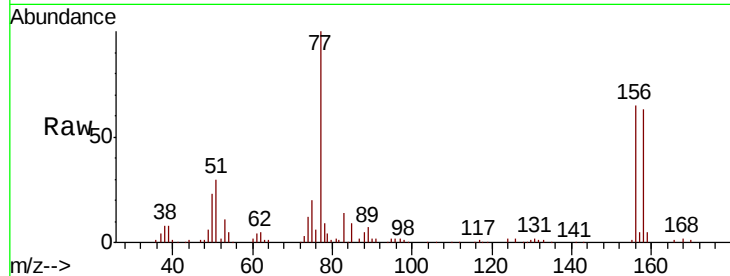
Tot Ion:156 Resp: 78085

Ion Ratio Lower Upper

156 100

77 182.3 0.0 364.6

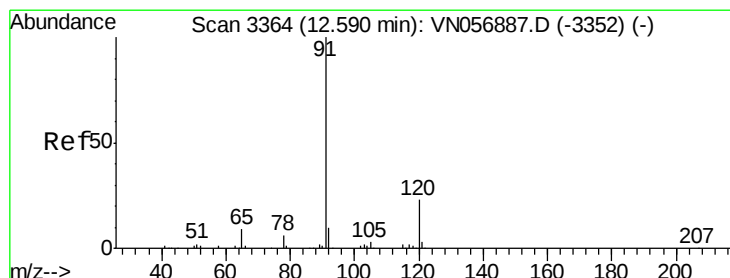
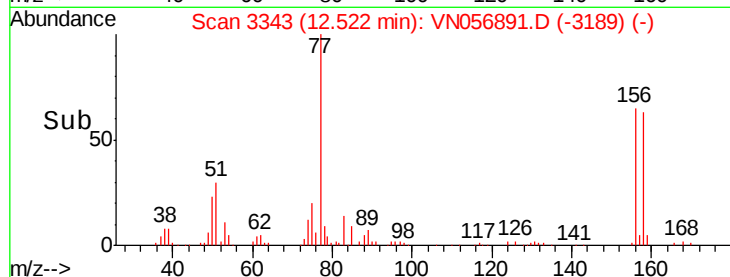
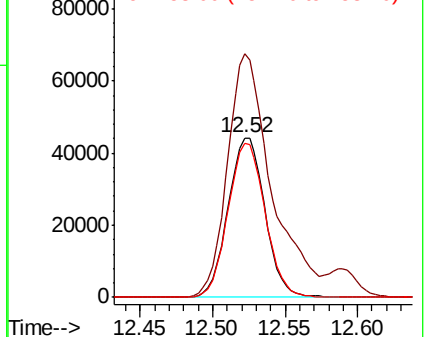
158 97.1 0.0 196.2



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: 19.359 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056891.D

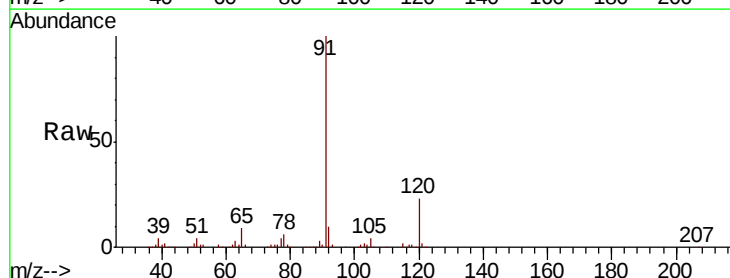
Acq: 23 Jul 2019 21:29

Tgt Ion: 91 Resp: 325708

Ion Ratio Lower Upper

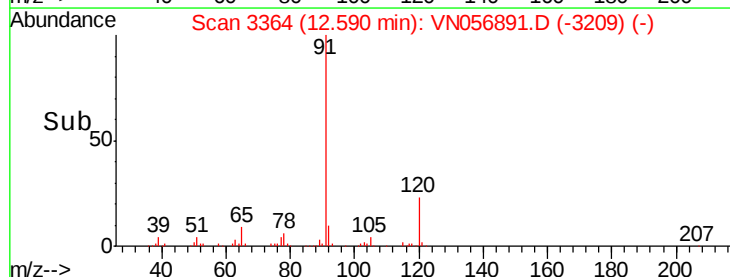
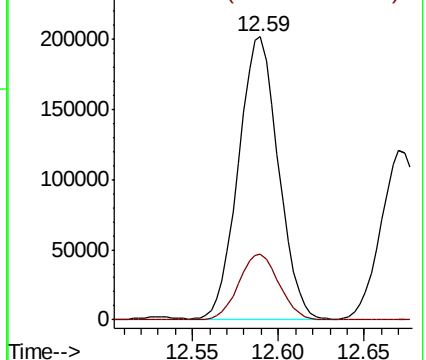
91 100

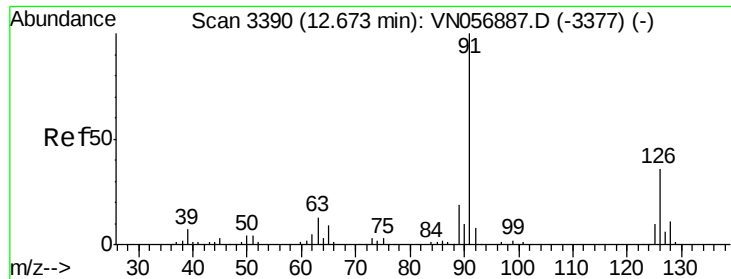
120 23.3 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.886 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

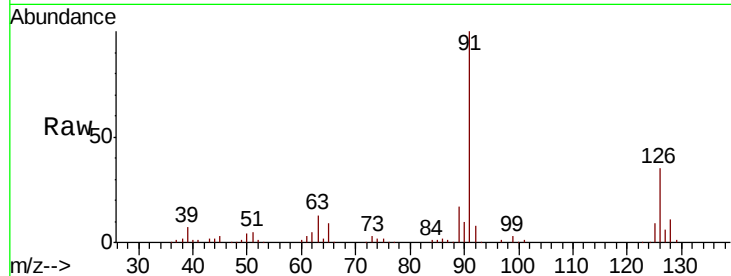
ClientSampled :

Tot Ion: 91 Resp: 202843

Ion Ratio Lower Upper

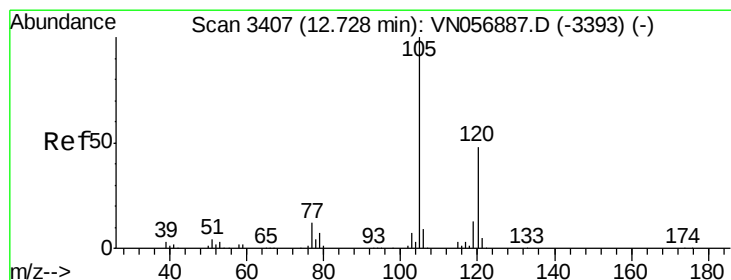
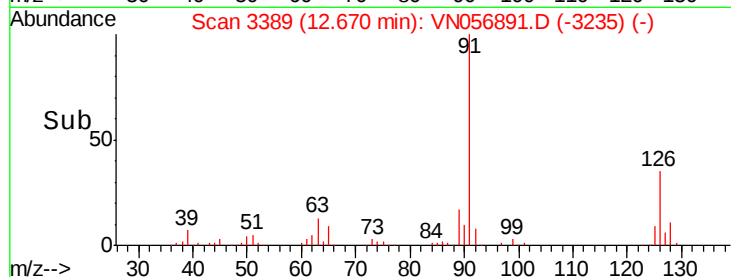
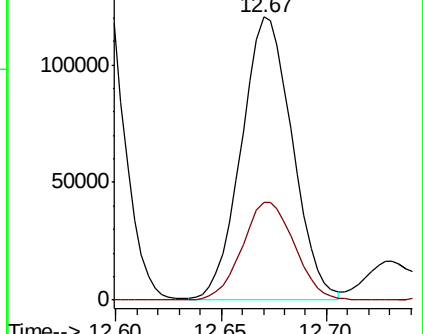
91 100

126 35.5 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.008 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056891.D

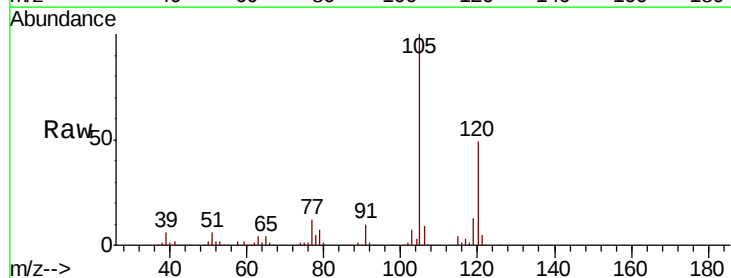
Acq: 23 Jul 2019 21:29

Tgt Ion: 105 Resp: 259173

Ion Ratio Lower Upper

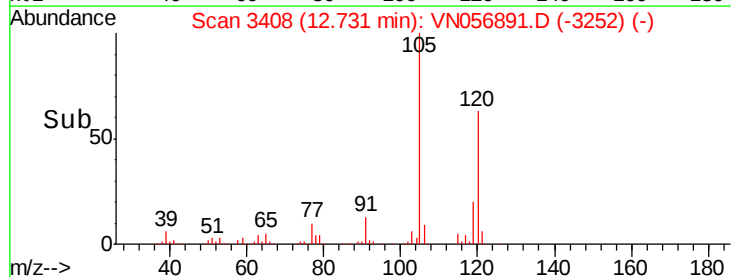
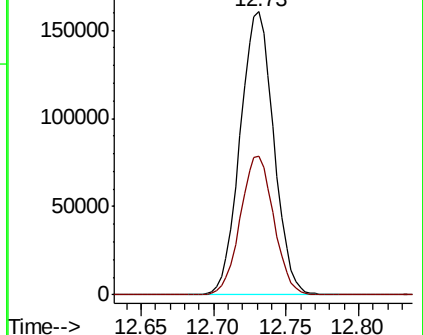
105 100

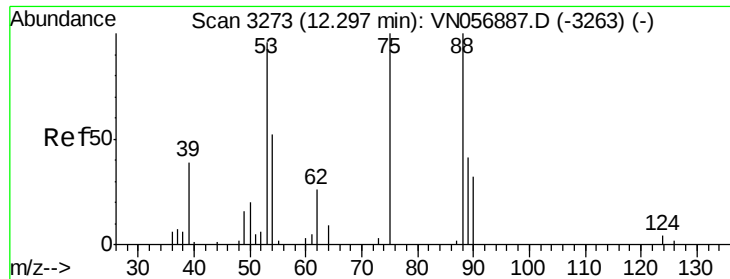
120 48.8 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)

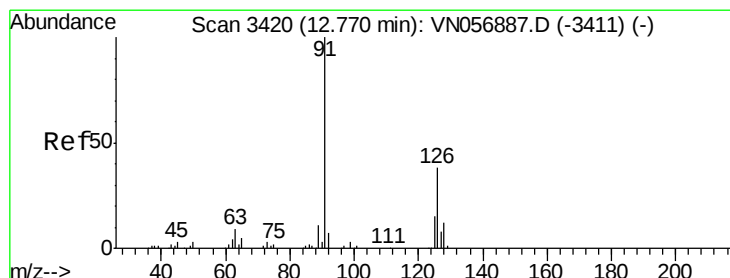
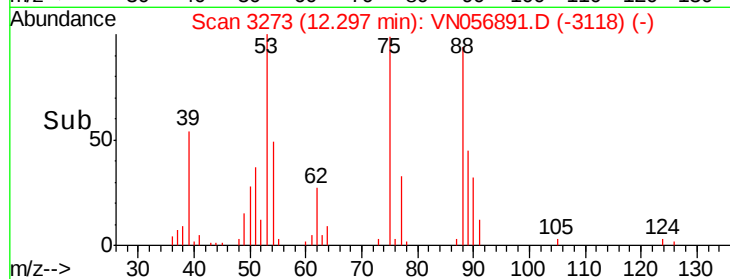
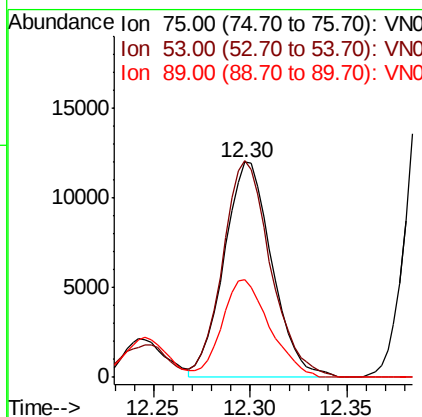
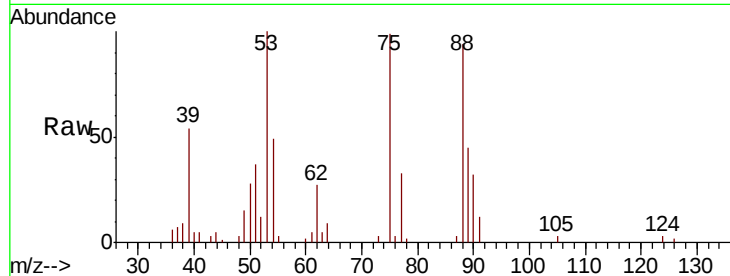




#77
t-1,4-Dichloro-2-butene
Concen: 17.421 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

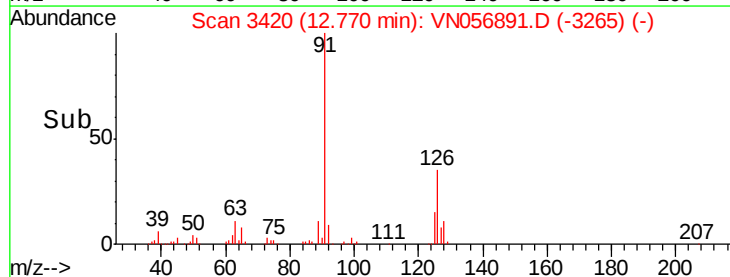
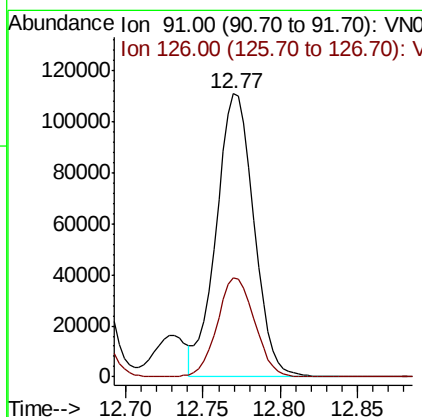
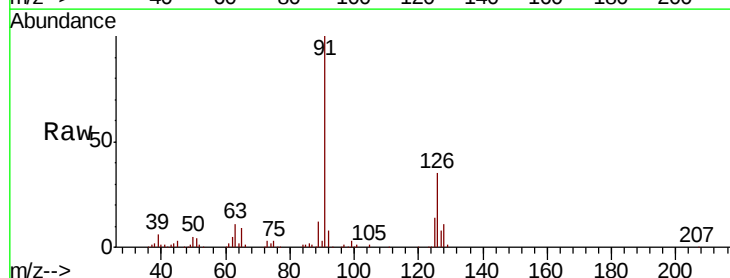
Instrument :
MSVOA_N
ClientSampleId :

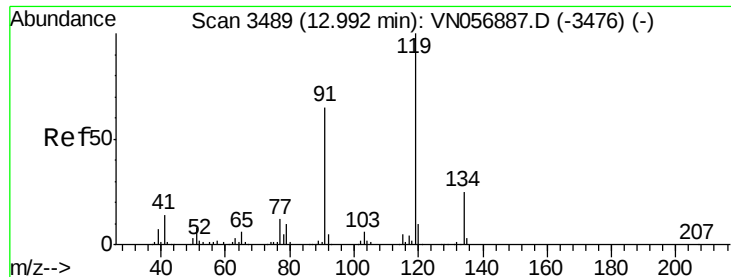
Tot Ion: 75 Resp: 20741
Ion Ratio Lower Upper
75 100
53 100.7 48.0 144.0
89 45.3 21.4 64.3



#78
4-Chlorotoluene
Concen: 19.363 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 91 Resp: 187749
Ion Ratio Lower Upper
91 100
126 34.7 0.0 69.6

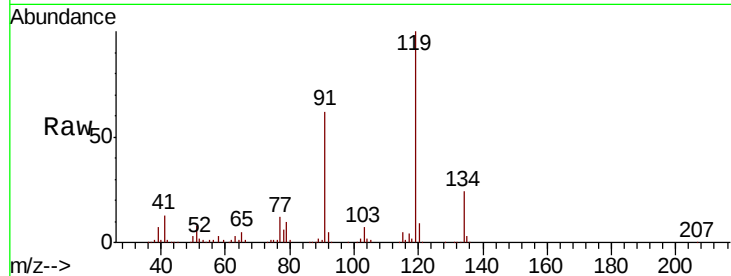




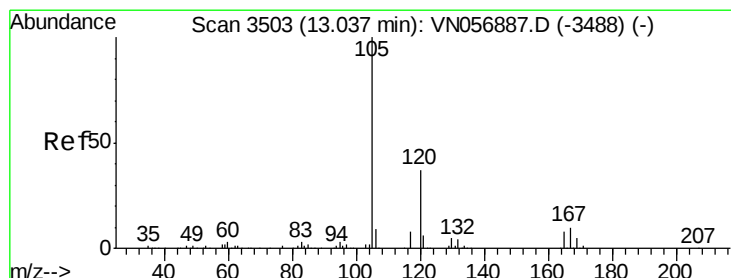
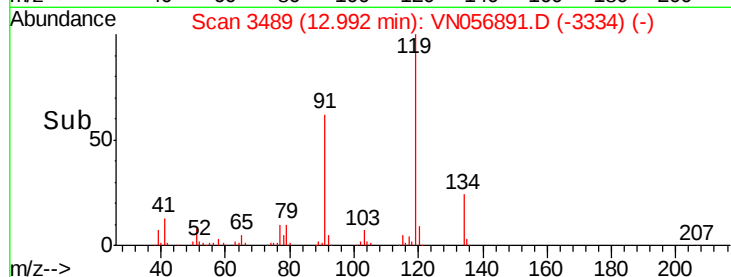
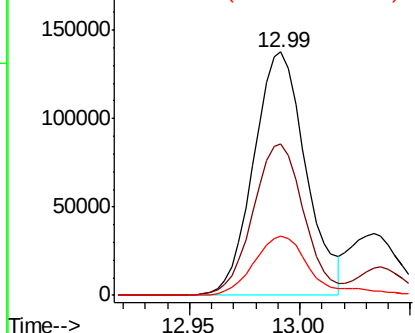
#79
tert-butylbenzene
Concen: 20.182 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 225596
Ion Ratio Lower Upper
119 100
91 60.7 0.0 126.8
134 24.7 0.0 48.8

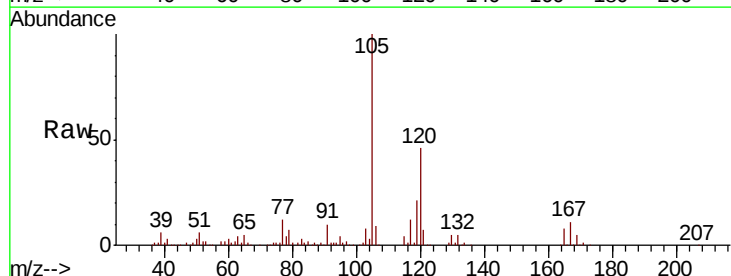


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

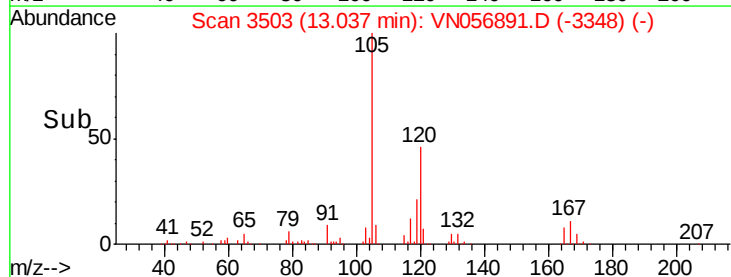
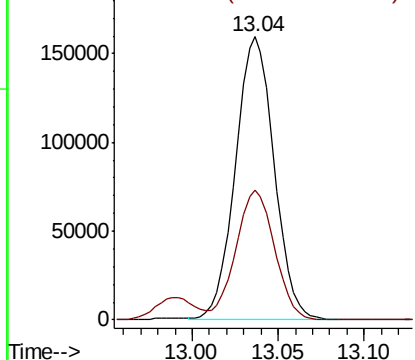


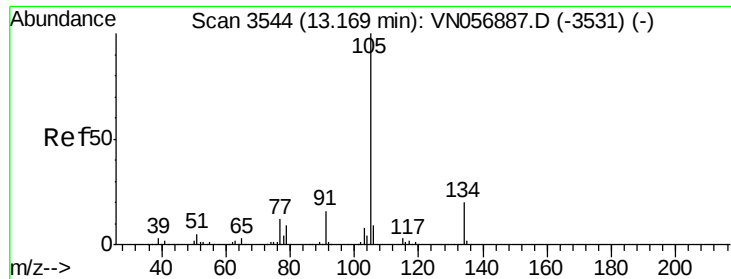
#80
1,2,4-Trimethylbenzene
Concen: 19.760 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion:105 Resp: 249535
Ion Ratio Lower Upper
105 100
120 46.2 0.0 90.6



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





#81

sec-Butylbenzene

Concen: 19.521 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

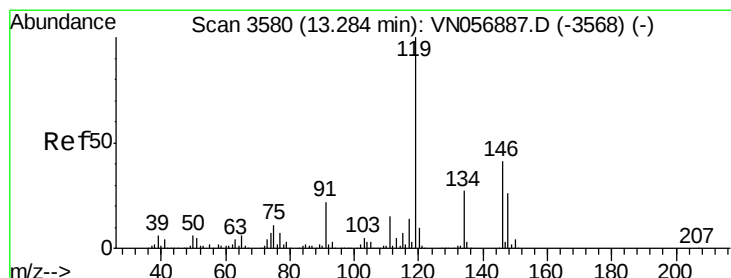
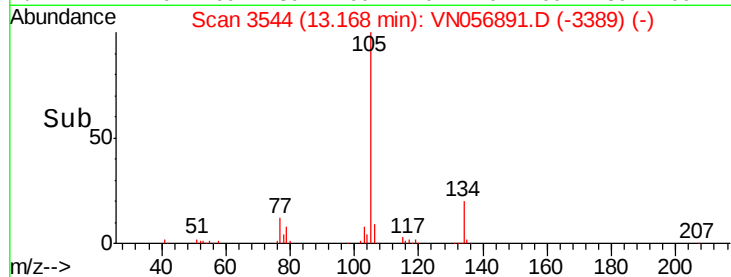
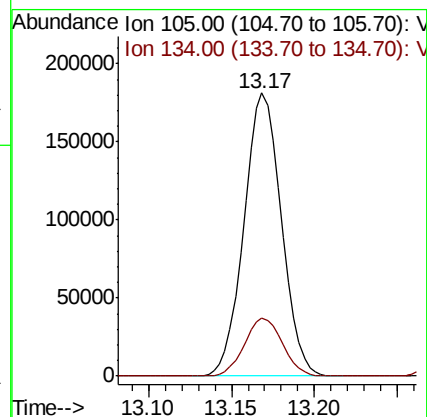
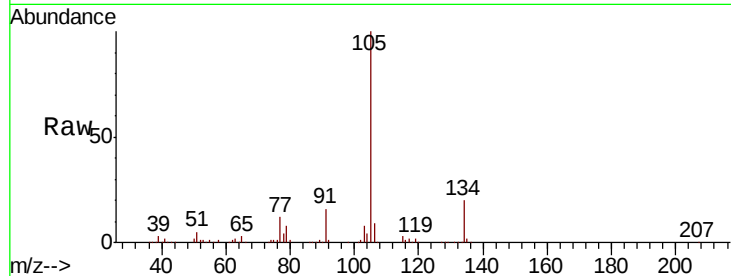
ClientSampleId :

Tot Ion:105 Resp: 284889

Ion Ratio Lower Upper

105 100

134 20.8 0.0 41.2



#82

p-Isopropyltoluene

Concen: 19.513 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

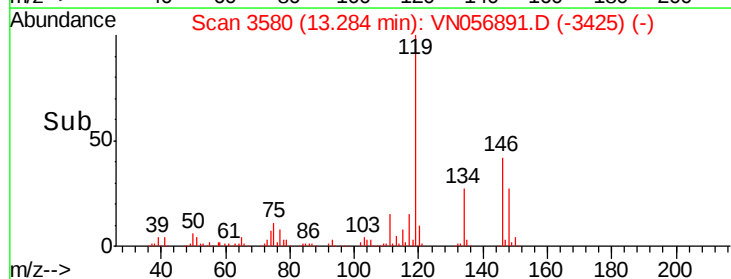
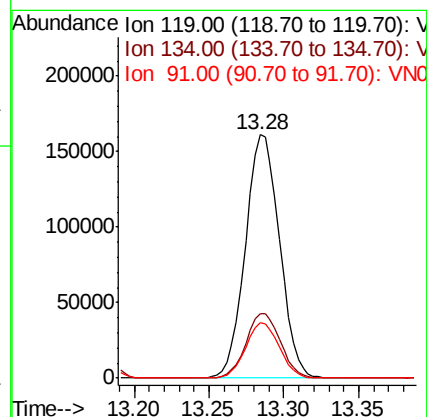
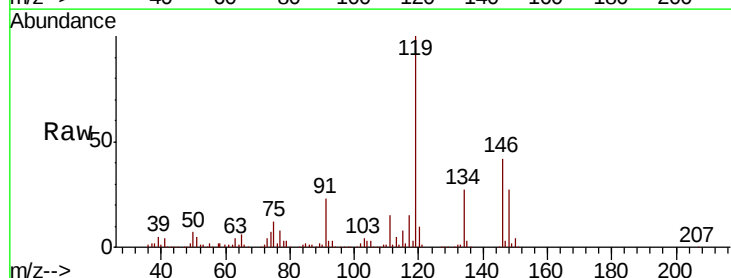
Tgt Ion:119 Resp: 255761

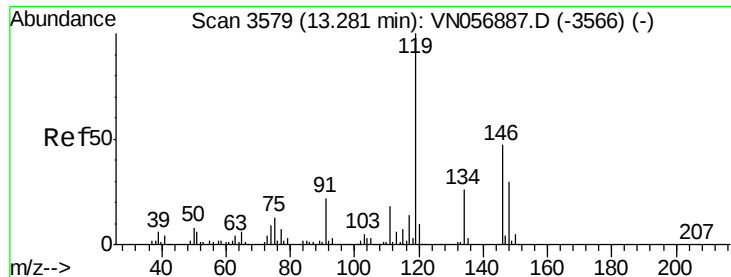
Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.2

91 22.3 0.0 44.0

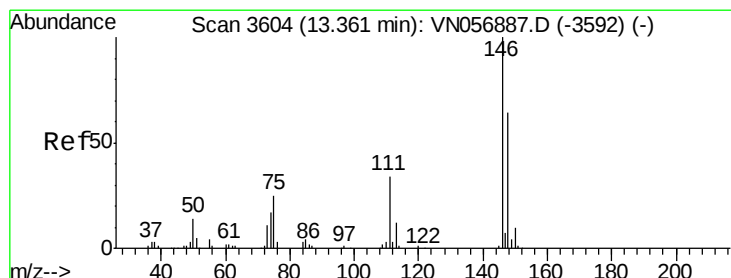
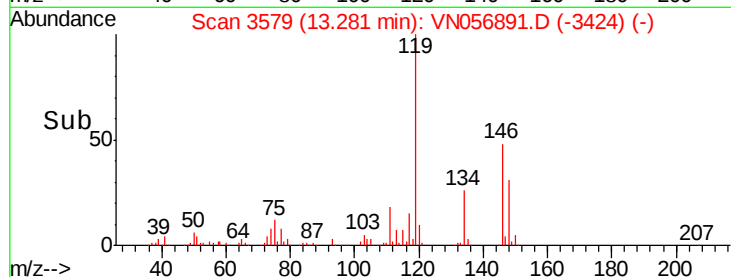
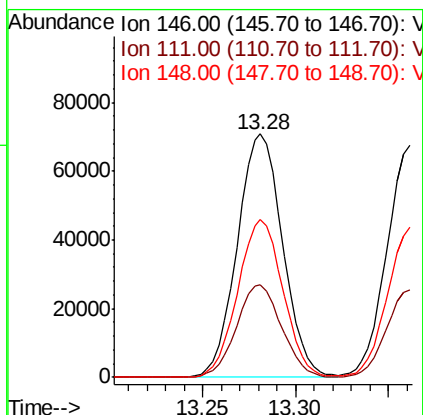
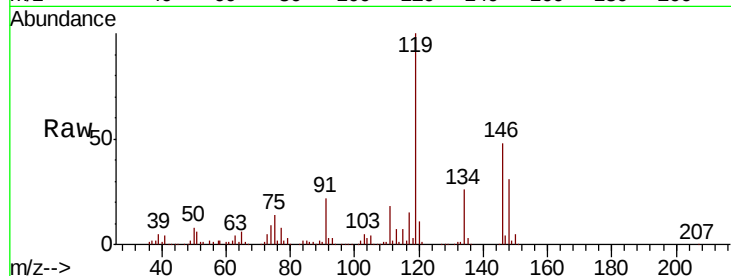




#83
 1,3-Dichlorobenzene
 Concen: 19.238 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

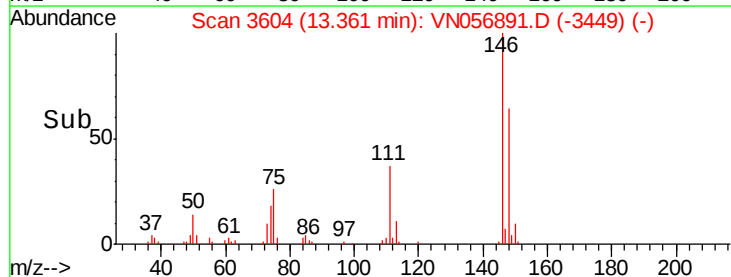
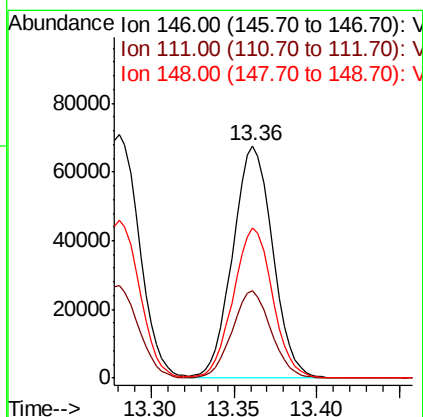
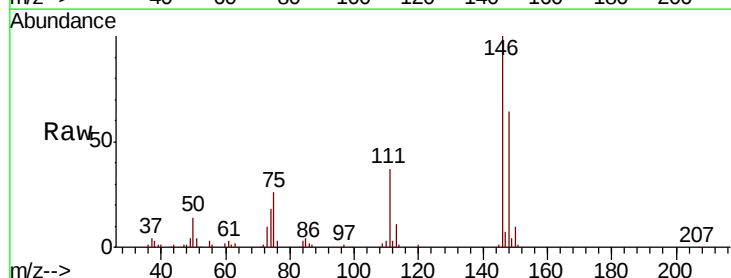
Instrument :
 MSVOA_N
 ClientSampleId :

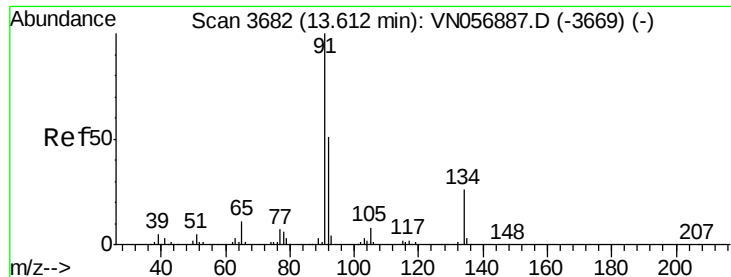
Tot Ion:146 Resp: 120268
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.4
 148 64.5 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 19.236 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion:146 Resp: 113705
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.8 53.5
 148 63.8 32.6 97.7

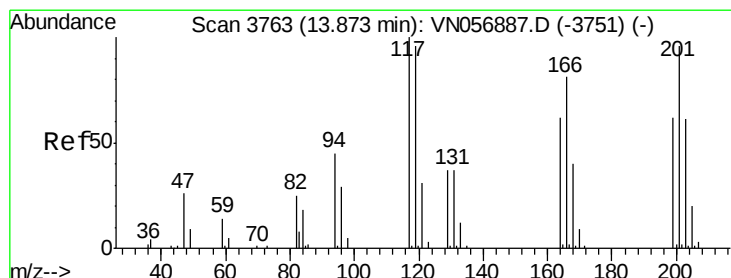
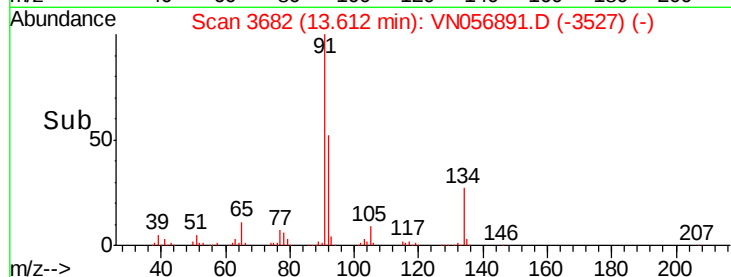
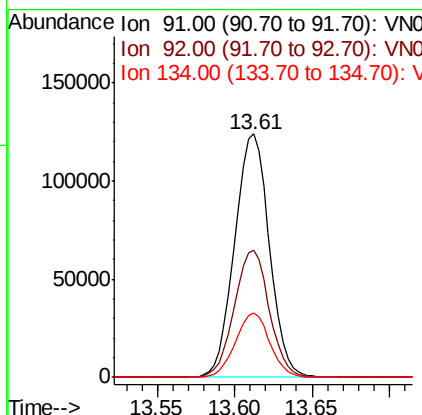
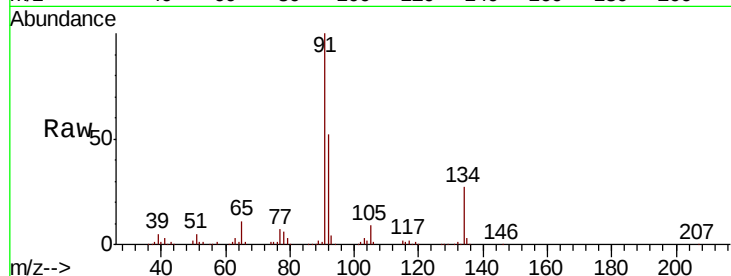




#85
n-Butylbenzene
Concen: 18.724 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

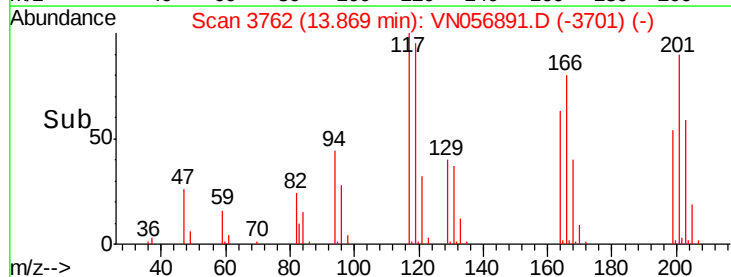
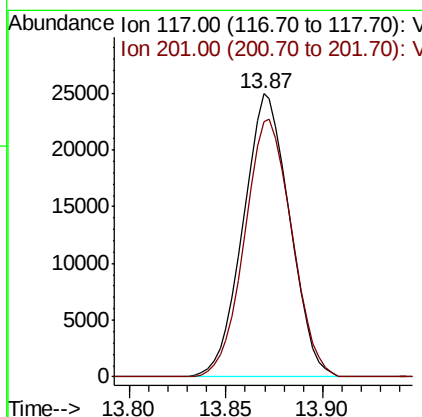
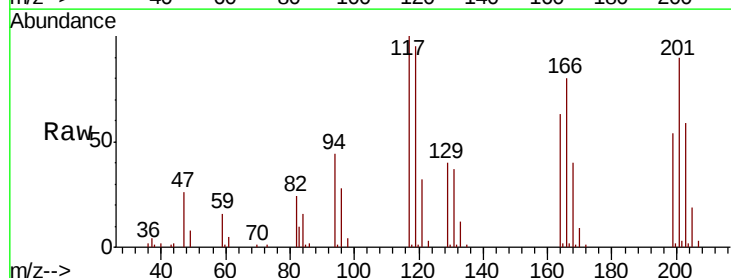
Instrument :
MSVOA_N
ClientSampleId :

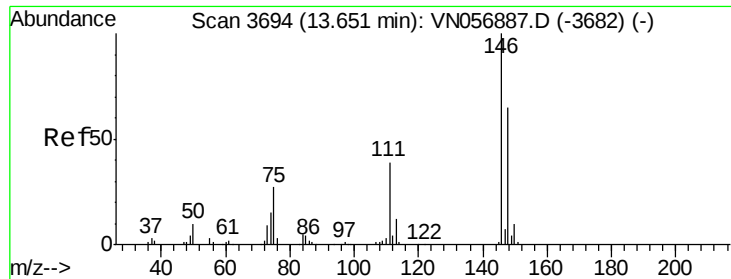
Tot Ion: 91 Resp: 192707
Ion Ratio Lower Upper
91 100
92 52.6 0.0 101.8
134 26.2 0.0 52.4



#86
Hexachloroethane
Concen: 19.018 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056891.D
Acq: 23 Jul 2019 21:29

Tgt Ion: 117 Resp: 41717
Ion Ratio Lower Upper
117 100
201 92.3 47.8 143.3

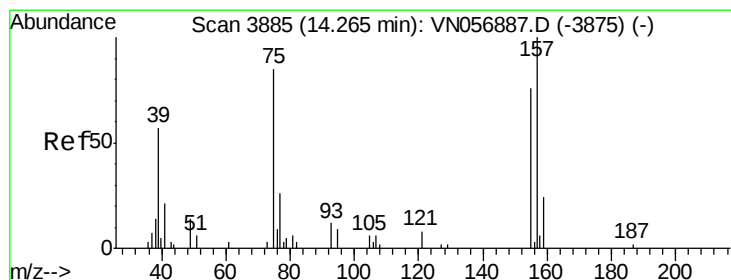
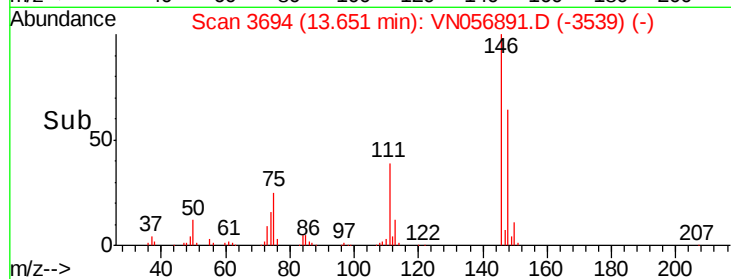
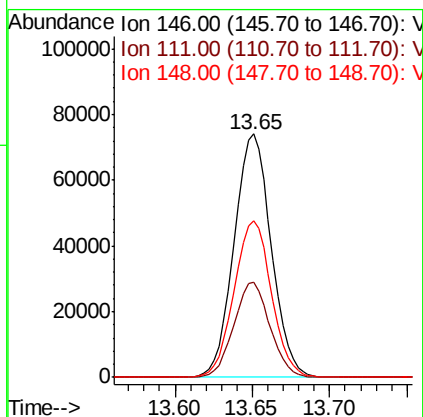
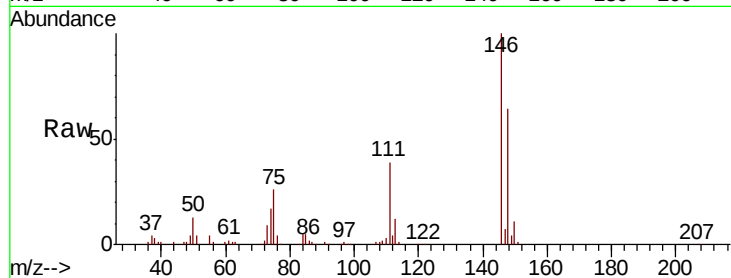




#87
 1,2-Dichlorobenzene
 Concen: 19.903 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

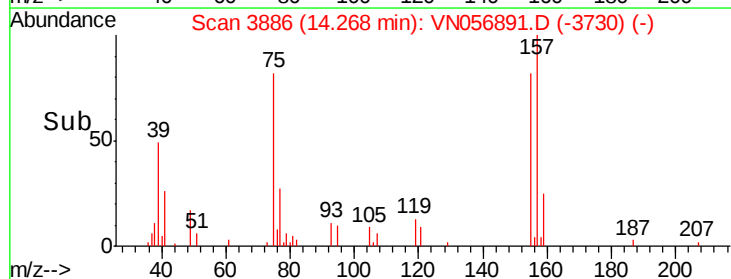
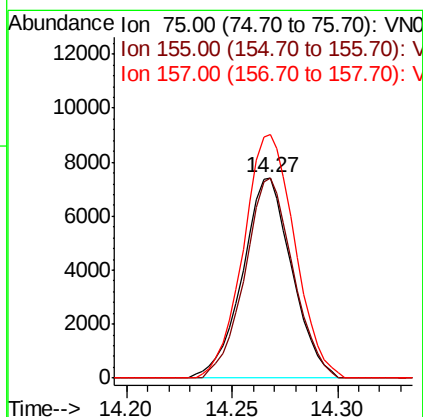
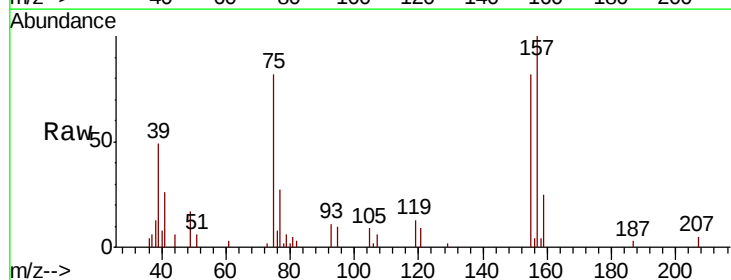
Instrument :
 MSVOA_N
 ClientSampled :

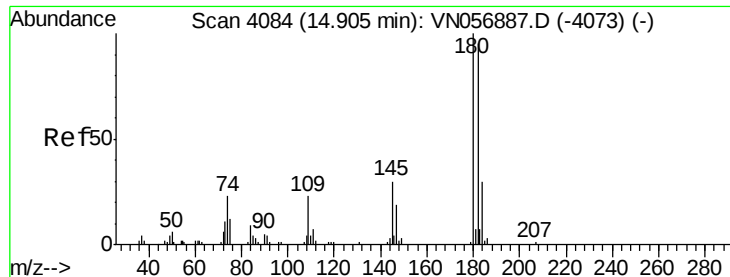
Tot Ion:146 Resp: 123590
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.6 58.8
 148 64.7 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.194 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion: 75 Resp: 12131
 Ion Ratio Lower Upper
 75 100
 155 96.9 73.4 110.2
 157 126.3 95.0 142.6

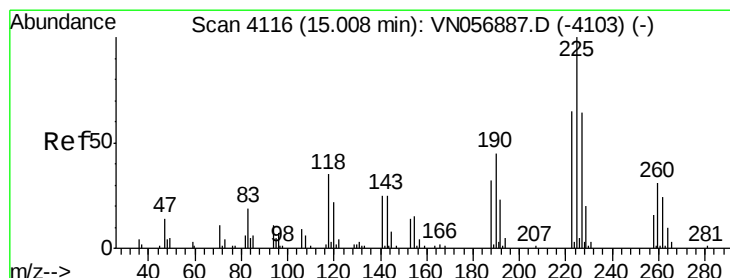
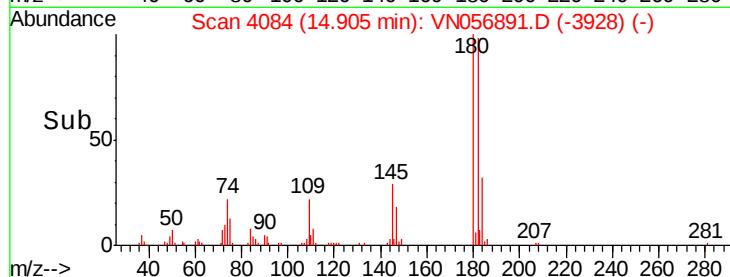
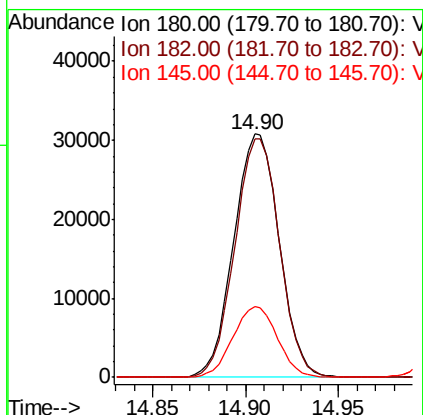
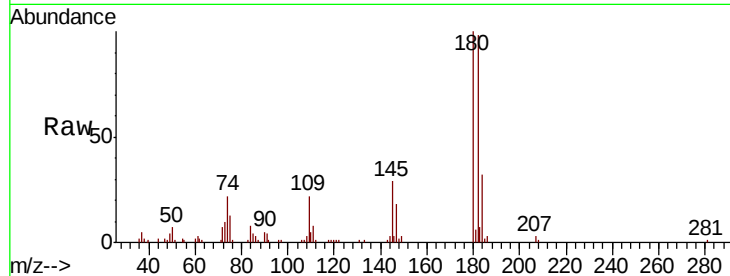




#89
 1,2,4-Trichlorobenzene
 Concen: 20.299 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

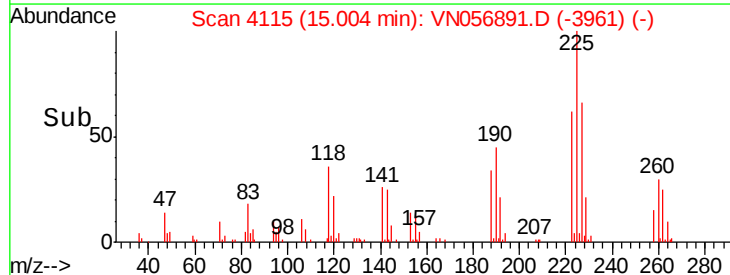
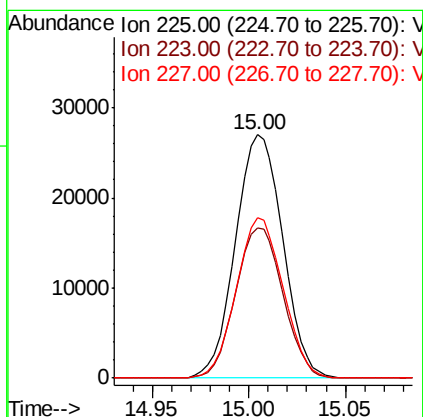
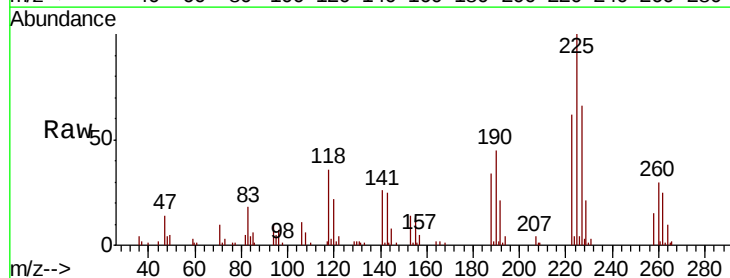
Instrument :
 MSVOA_N
 ClientSampleId :

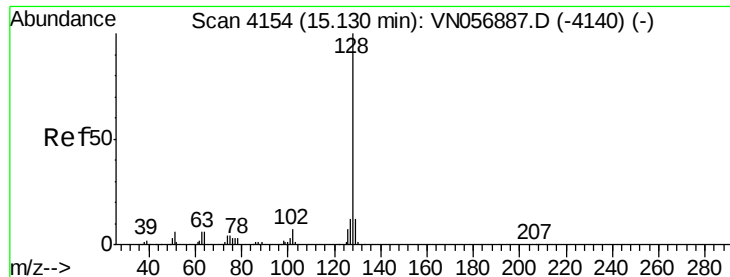
Tot Ion:180 Resp: 52520
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.0 115.4
 145 28.4 23.5 35.3



#90
 Hexachlorobutadiene
 Concen: 20.113 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056891.D
 Acq: 23 Jul 2019 21:29

Tgt Ion:225 Resp: 45907
 Ion Ratio Lower Upper
 225 100
 223 61.9 0.0 130.0
 227 65.0 0.0 127.2





#91

Naphthalene

Concen: 19.967 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

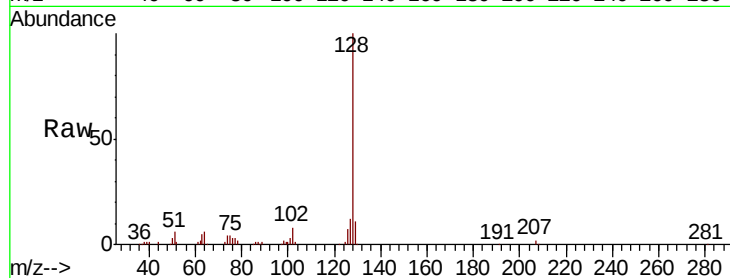
Tot Ion:128 Resp: 134936

Ion Ratio Lower Upper

128 100

127 12.2 10.0 15.0

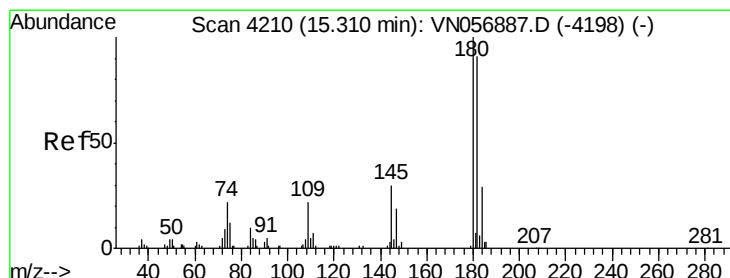
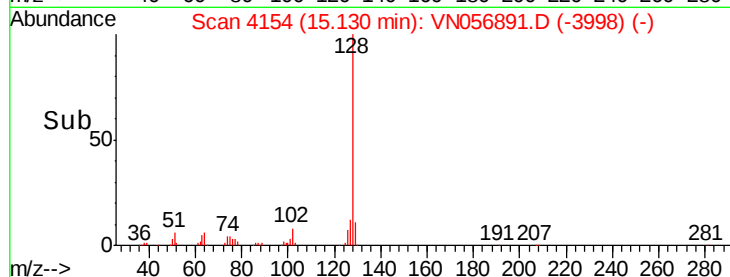
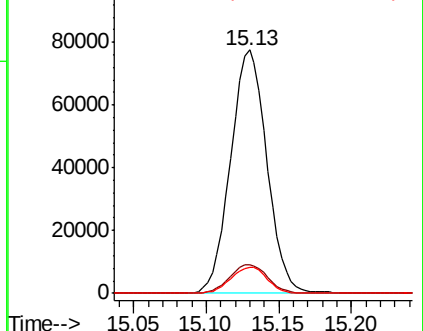
129 10.7 8.9 13.3



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: 18.730 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056891.D

Acq: 23 Jul 2019 21:29

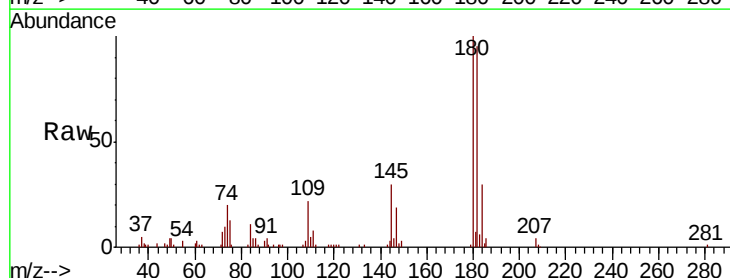
Tgt Ion:180 Resp: 61487

Ion Ratio Lower Upper

180 100

182 94.5 0.0 188.0

145 30.2 0.0 61.0



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

