

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN059000.D
 Acq On : 29 Oct 2019 11:21
 Operator : JC/SP
 Sample : VN1029WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 03:54:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	430100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	683642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	628807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295551	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	303566	48.12	ug/l	0.00
Spiked Amount						
			Recovery	=	96.24%	
35) Dibromofluoromethane	7.57	113	229390	51.03	ug/l	0.00
Spiked Amount						
			Recovery	=	102.06%	
50) Toluene-d8	10.08	98	864742	49.56	ug/l	0.00
Spiked Amount						
			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	315235	49.20	ug/l	0.00
Spiked Amount						
			Recovery	=	98.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	97875	18.252	ug/l	99
3) Chloromethane	2.04	50	122536	18.450	ug/l	99
4) Vinyl Chloride	2.17	62	126878	19.240	ug/l	98
5) Bromomethane	2.55	94	73998	17.919	ug/l	98
6) Chloroethane	2.68	64	76969	18.201	ug/l	99
7) Trichlorofluoromethane	3.00	101	161212	19.758	ug/l	99
8) Diethyl Ether	3.39	74	59855	21.228	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93107	20.583	ug/l	99
10) Methyl Iodide	3.93	142	104267	17.526	ug/l	99
11) Tert butyl alcohol	4.75	59	113049	107.995	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87159	20.557	ug/l	93
13) Acrolein	3.58	56	46990	65.331	ug/l	97
14) Allyl chloride	4.30	41	179219	20.889	ug/l	95
15) Acrylonitrile	4.96	53	295876	112.367	ug/l	99
16) Acetone	3.79	43	333611	107.027	ug/l	98
17) Carbon Disulfide	4.03	76	244331	17.889	ug/l	98
18) Methyl Acetate	4.30	43	160658	22.670	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	323183	21.768	ug/l	99
20) Methylene Chloride	4.53	84	104321	19.600	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	94499	20.181	ug/l	95
22) Diisopropyl ether	5.93	45	362562	21.605	ug/l	94
23) Vinyl Acetate	5.87	43	1517464	112.547	ug/l	100
24) 1,1-Dichloroethane	5.82	63	199691	20.522	ug/l	100
25) 2-Butanone	6.81	43	437181	108.045	ug/l	98
26) 2,2-Dichloropropane	6.80	77	174379	20.718	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	110459	20.650	ug/l	99
28) Bromochloromethane	7.18	49	65499	20.211	ug/l	98
29) Tetrahydrofuran	7.19	42	271155	109.546	ug/l	99
30) Chloroform	7.36	83	194768	19.954	ug/l	99
31) Cyclohexane	7.63	56	173898	19.183	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	166248	20.207	ug/l	99
36) 1,1-Dichloropropene	7.77	75	143500	20.503	ug/l	100
37) Ethyl Acetate	6.91	43	167848	22.009	ug/l	99
38) Carbon Tetrachloride	7.75	117	142263	19.730	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	158337	20.147	ug/l	98
40) Benzene	8.02	78	427751	20.812	ug/l	98
41) Methacrylonitrile	7.19	41	245346	72.233	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	157779	19.929	ug/l	100
43) Isopropyl Acetate	8.15	43	266306	21.773	ug/l	100
44) Trichloroethene	8.82	130	103791	20.731	ug/l	100
45) 1,2-Dichloropropane	9.10	63	120791	21.433	ug/l	100
46) Dibromomethane	9.20	93	73108	20.520	ug/l	97
47) Bromodichloromethane	9.39	83	150422	20.484	ug/l	98
48) Methyl methacrylate	9.19	41	116346	20.966	ug/l	97
49) 1,4-Dioxane	9.19	88	38253	419.928	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	840903	117.707	ug/l	99
52) Toluene	10.15	92	258705	21.226	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	169237	20.819	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	184286	21.219	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	105353	20.983	ug/l	98
56) Ethyl methacrylate	10.42	69	158805	20.137	ug/l	99
57) 1,3-Dichloropropane	10.70	76	184079	20.889	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	339353	98.790	ug/l	100
59) 2-Hexanone	10.75	43	634875	115.005	ug/l	99
60) Dibromochloromethane	10.90	129	111517	20.635	ug/l	99
61) 1,2-Dibromoethane	11.00	107	108899	21.194	ug/l	100
64) Tetrachloroethene	10.63	164	90768	20.612	ug/l	97
65) Chlorobenzene	11.43	112	273033	21.328	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	104066	21.542	ug/l	100
67) Ethyl Benzene	11.51	91	496206	22.096	ug/l	98
68) m/p-Xylenes	11.62	106	361385	43.393	ug/l	99
69) o-Xylene	11.95	106	173112	21.795	ug/l	100
70) Styrene	11.96	104	282029	20.291	ug/l	99
71) Bromoform	12.13	173	79553	21.237	ug/l #	98
73) Isopropylbenzene	12.25	105	469616	21.742	ug/l	99
74) N-amyl acetate	12.07	43	215417	21.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	168015	22.123	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	222706	32.513	ug/l #	100
77) Bromobenzene	12.53	156	113859	21.387	ug/l	100
78) n-propylbenzene	12.59	91	556820	21.809	ug/l	100
79) 2-Chlorotoluene	12.68	91	335885	21.495	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	398780	21.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56540	21.503	ug/l	100
82) 4-Chlorotoluene	12.78	91	337957	21.164	ug/l	100
83) tert-Butylbenzene	13.00	119	334828	21.576	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	400584	22.380	ug/l	99
85) sec-Butylbenzene	13.17	105	457773	22.125	ug/l	98
86) p-Isopropyltoluene	13.29	119	408732	22.389	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	202847	21.309	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	196252	20.591	ug/l	99
89) n-Butylbenzene	13.62	91	353793	21.097	ug/l	99
90) Hexachloroethane	13.88	117	77461	20.940	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	200399	21.418	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35819	20.852	ug/l	99

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QLast Update : Sat Oct 19 00:16:20 2019
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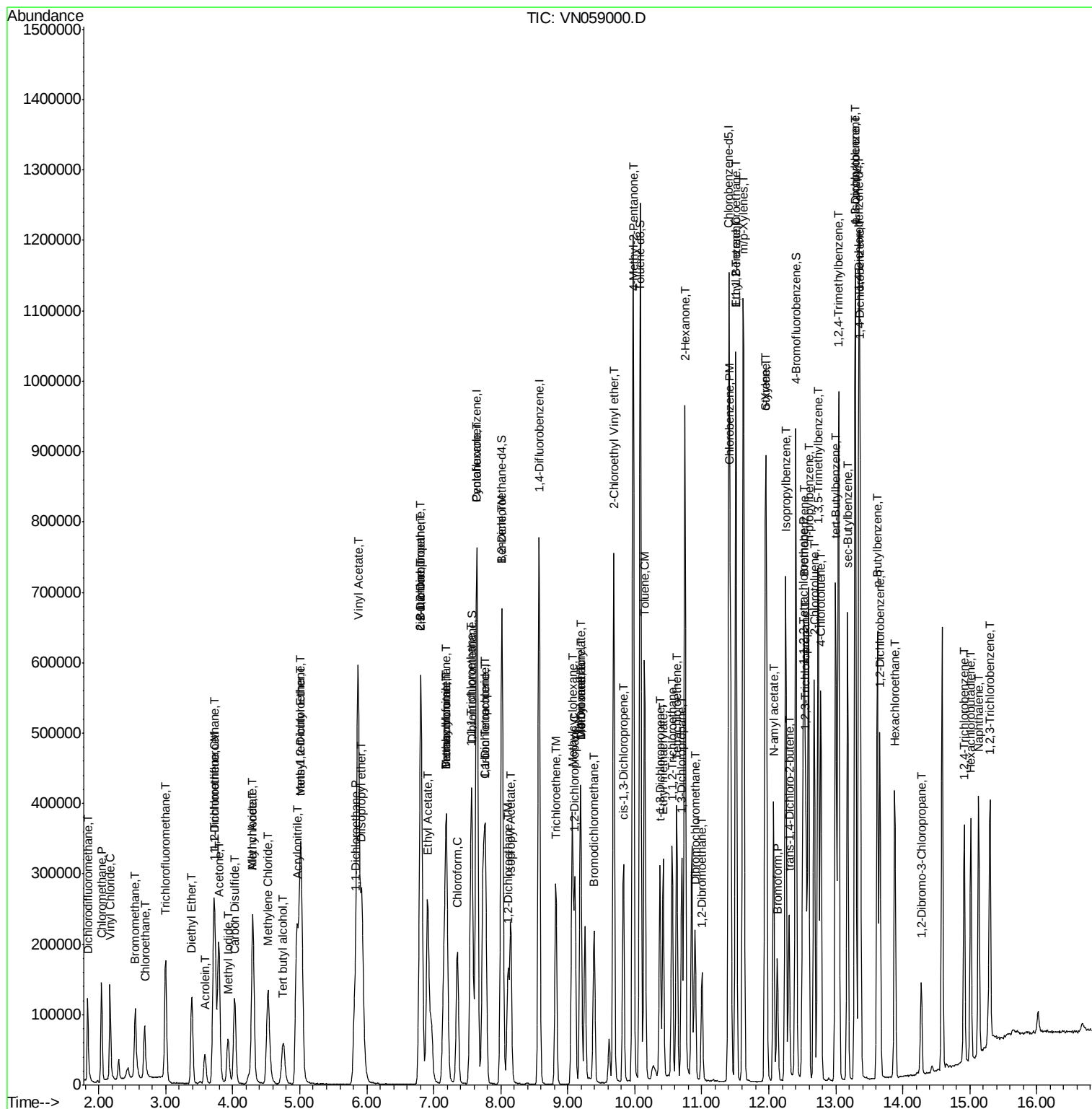
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	104102	19.304	ug/l	97
94) Hexachlorobutadiene	15.01	225	64398	21.236	ug/l	98
95) Naphthalene	15.13	128	290907	18.645	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	106660	20.105	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

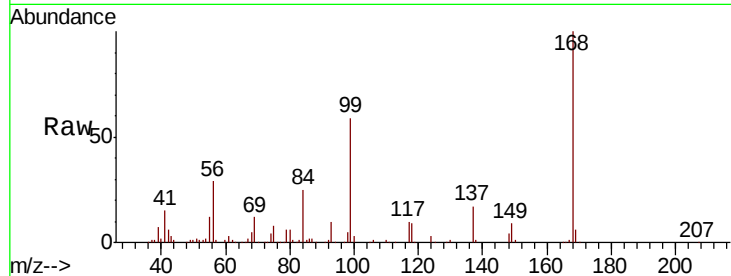
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 430100

Ion Ratio Lower Upper

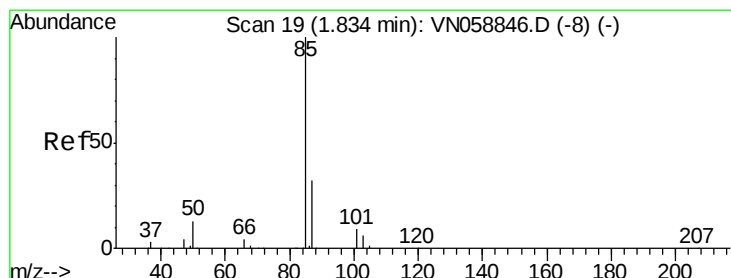
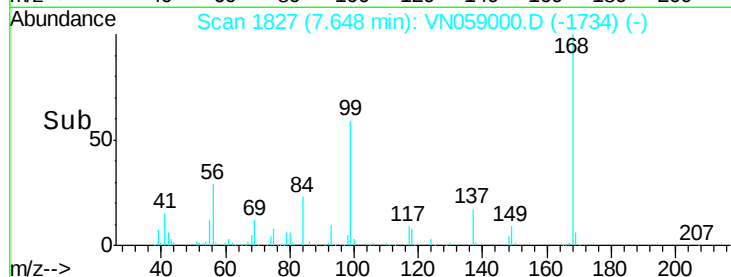
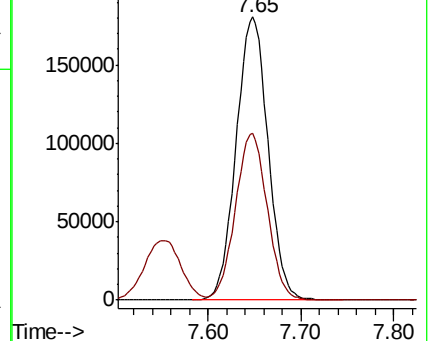
168 100

99 58.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.252 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059000.D

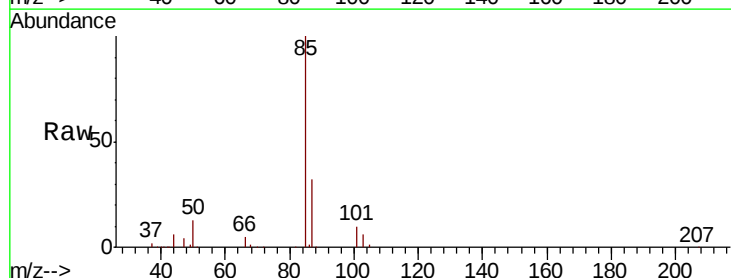
Acq: 29 Oct 2019 11:21

Tgt Ion: 85 Resp: 97875

Ion Ratio Lower Upper

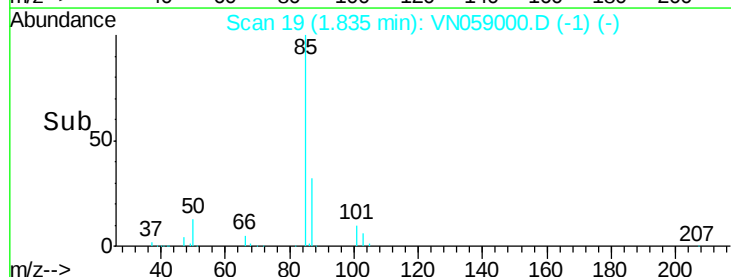
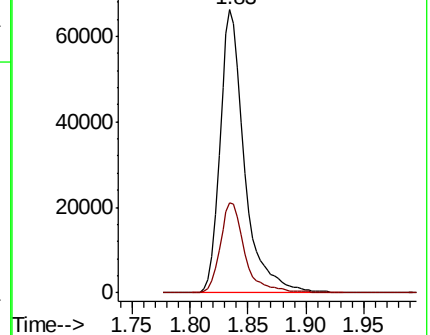
85 100

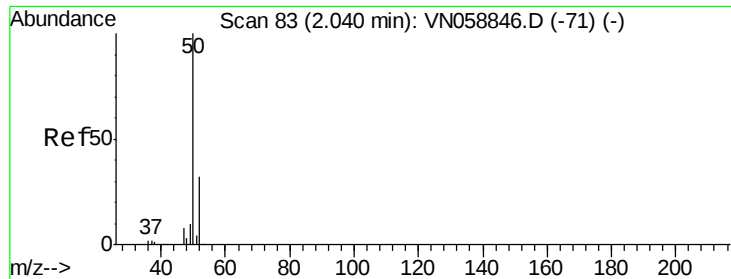
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.450 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

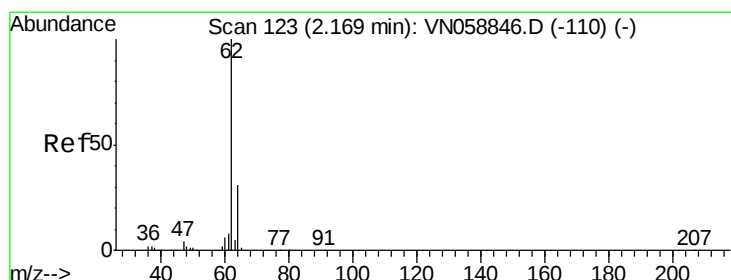
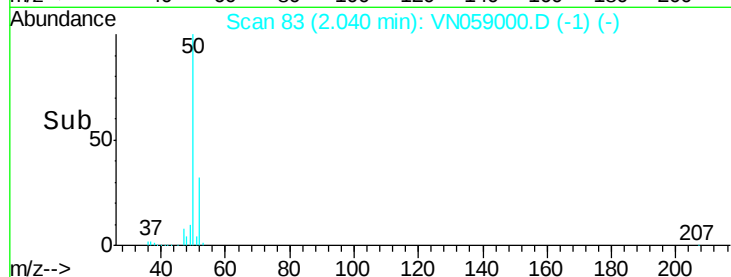
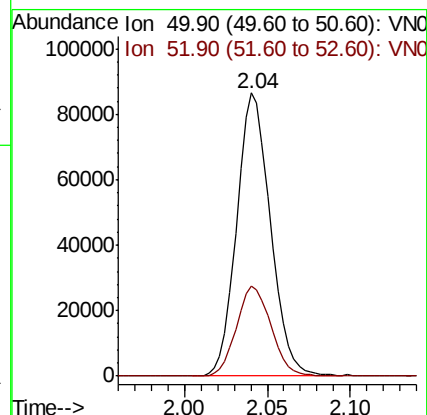
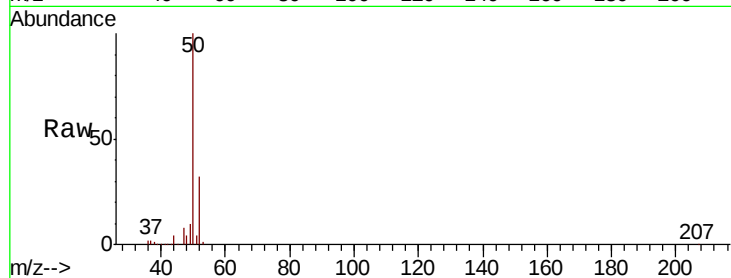
ClientSampleId :

Tot Ion: 50 Resp: 122536

Ion Ratio Lower Upper

50 100

52 31.6 25.7 38.5



#4

Vinyl Chloride

Concen: 19.240 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059000.D

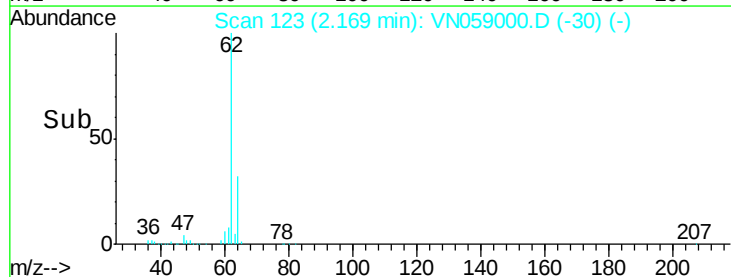
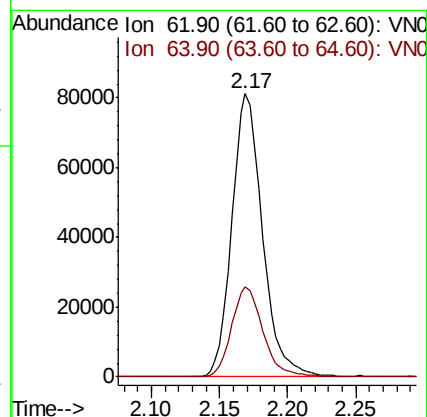
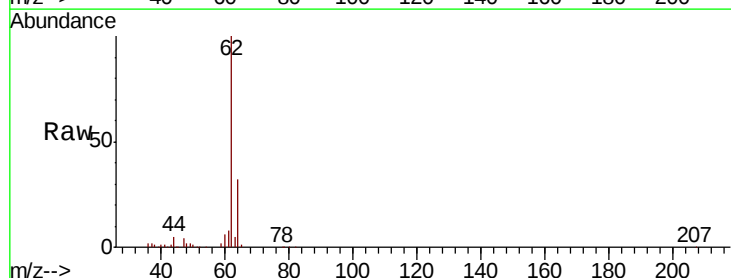
Acq: 29 Oct 2019 11:21

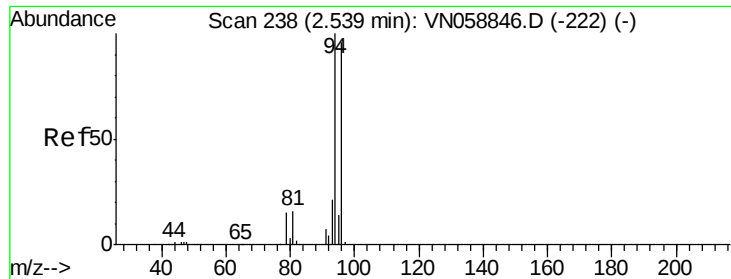
Tgt Ion: 62 Resp: 126878

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 17.919 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

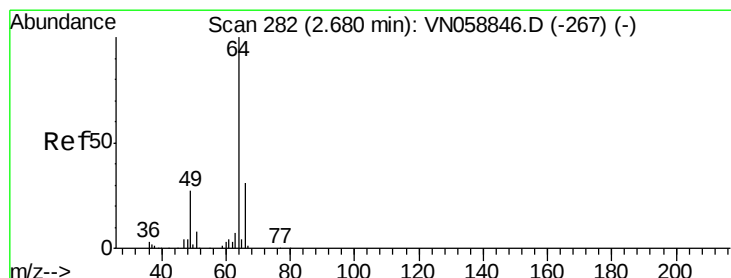
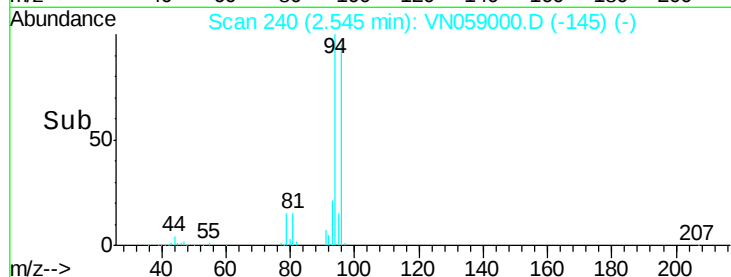
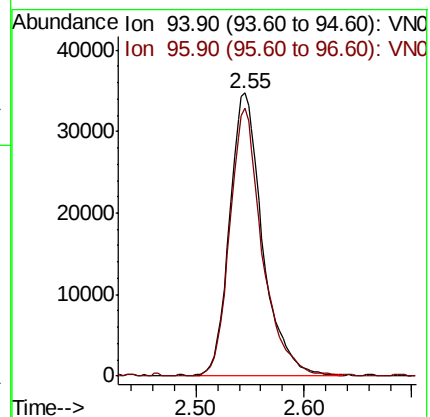
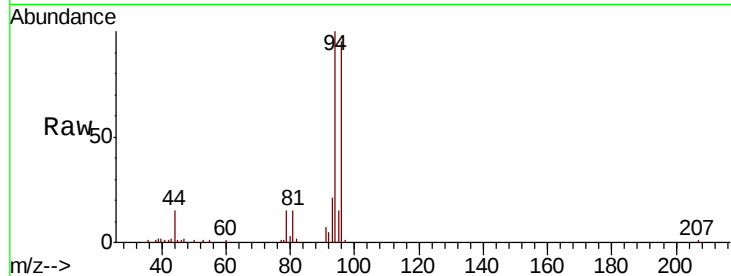
ClientSampleId :

Tot Ion: 94 Resp: 73998

Ion Ratio Lower Upper

94 100

96 94.5 77.0 115.6



#6

Chloroethane

Concen: 18.201 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059000.D

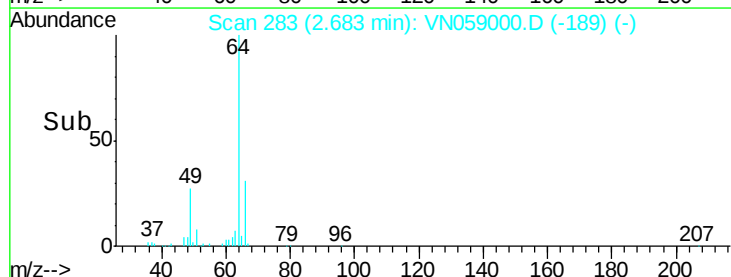
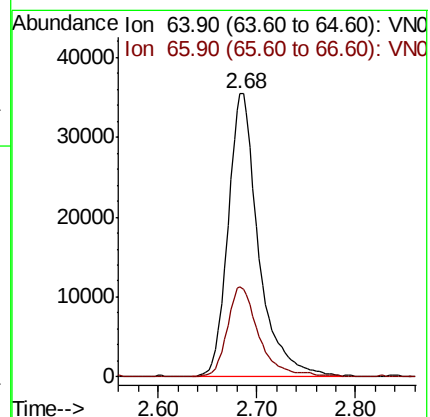
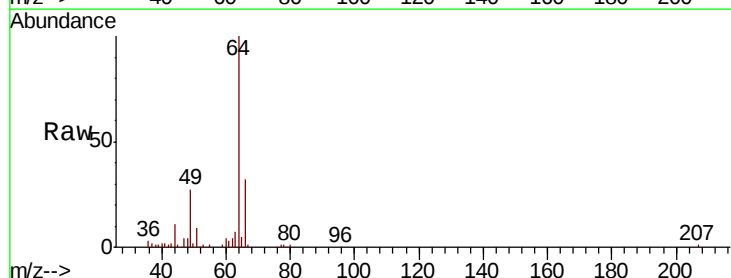
Acq: 29 Oct 2019 11:21

Tgt Ion: 64 Resp: 76969

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4



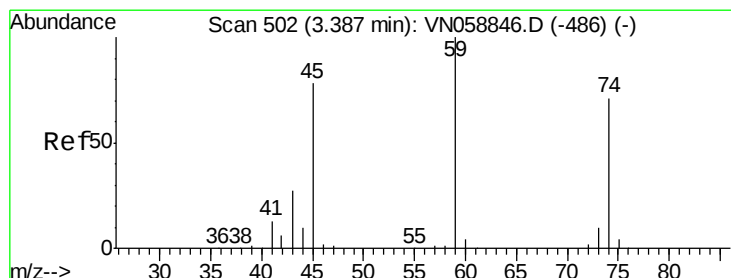
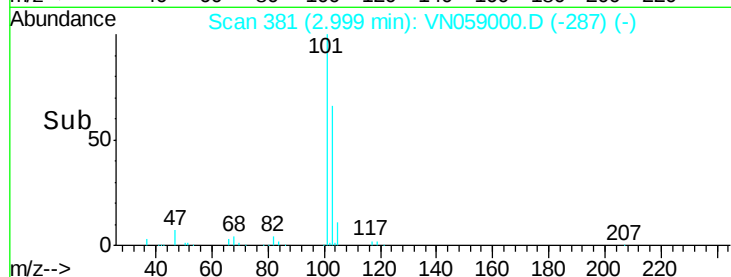
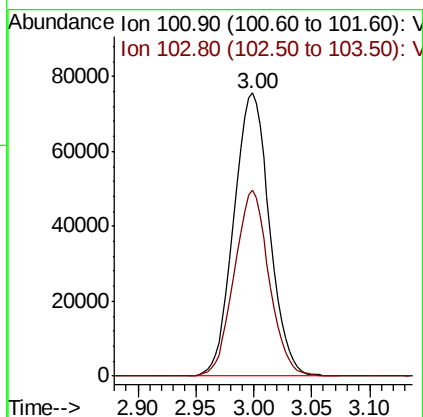
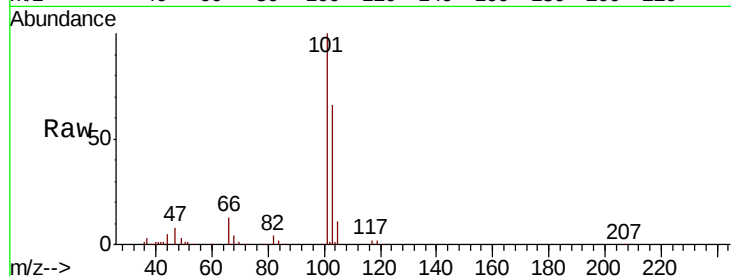


#7

Trichlorofluoromethane
Concen: 19.758 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :

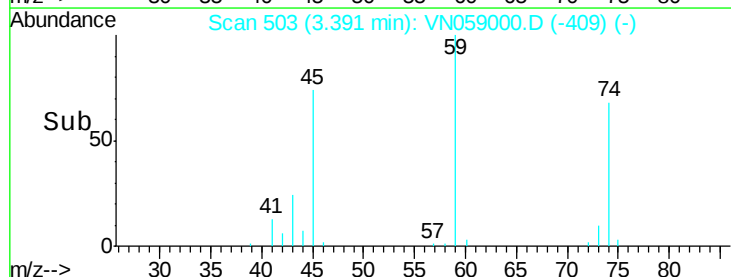
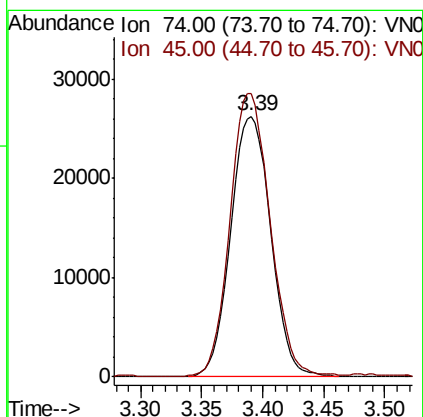
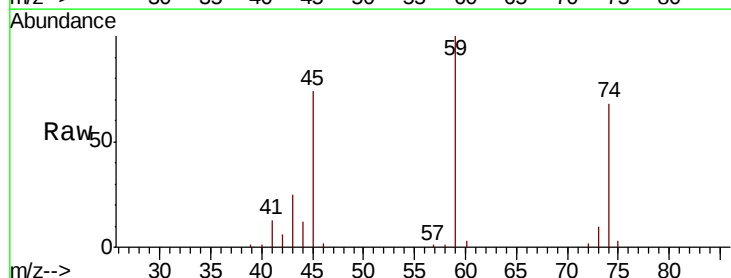
Tot Ion:101 Resp: 161212
Ion Ratio Lower Upper
101 100
103 65.8 52.2 78.2

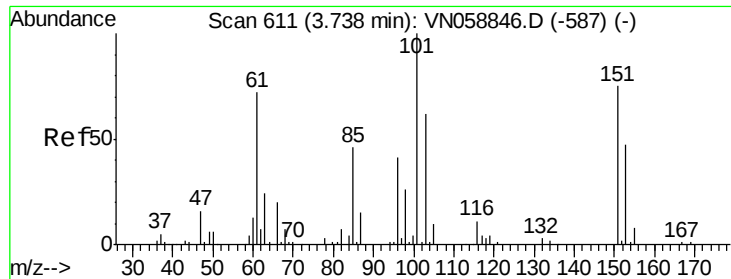


#8

Diethyl Ether
Concen: 21.228 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 74 Resp: 59855
Ion Ratio Lower Upper
74 100
45 109.6 54.9 164.5

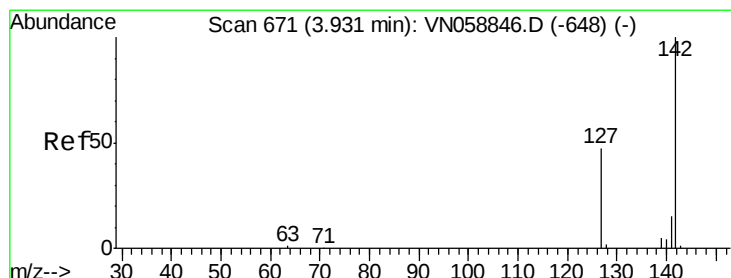
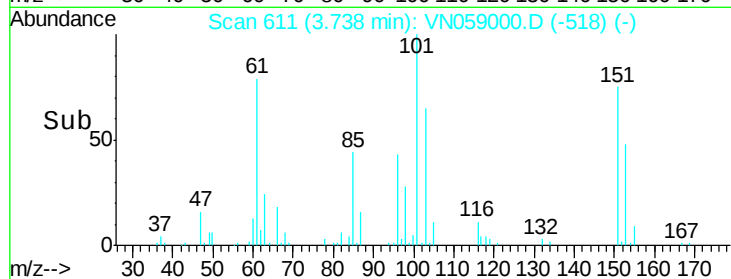
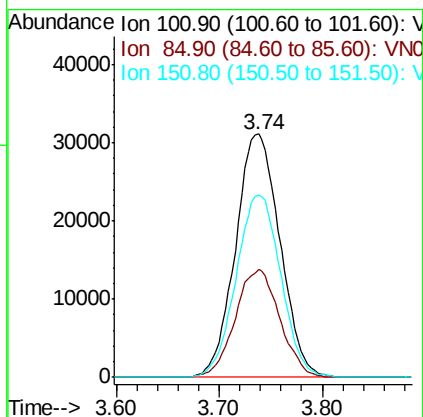
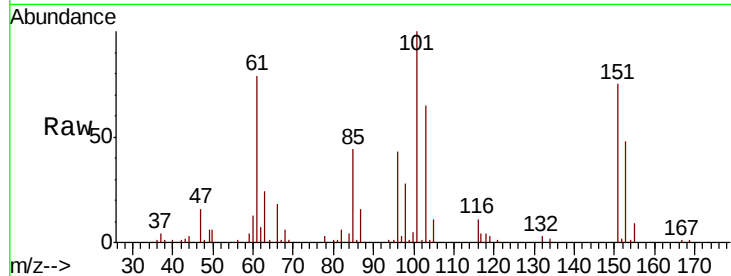




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.583 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

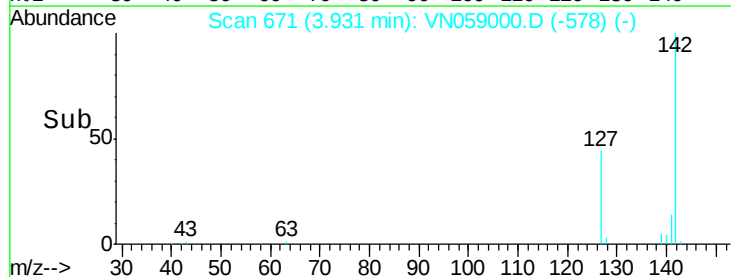
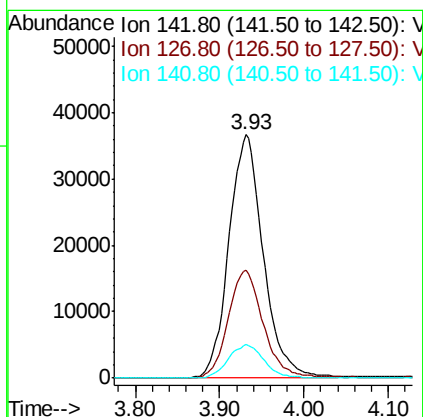
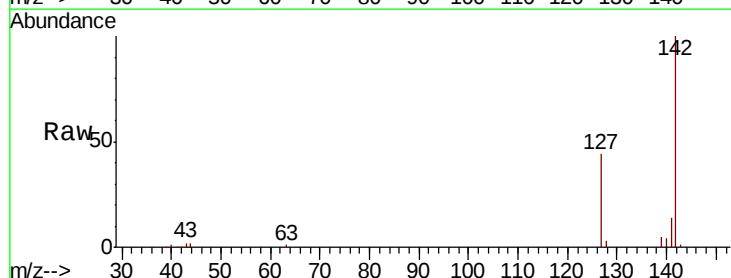
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 93107
 Ion Ratio Lower Upper
 101 100
 85 44.5 37.2 55.8
 151 75.3 59.9 89.9



#10
 Methyl Iodide
 Concen: 17.526 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion:142 Resp: 104267
 Ion Ratio Lower Upper
 142 100
 127 44.9 36.6 54.8
 141 14.1 11.4 17.2



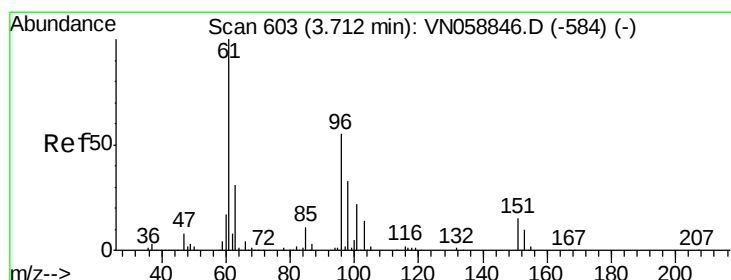
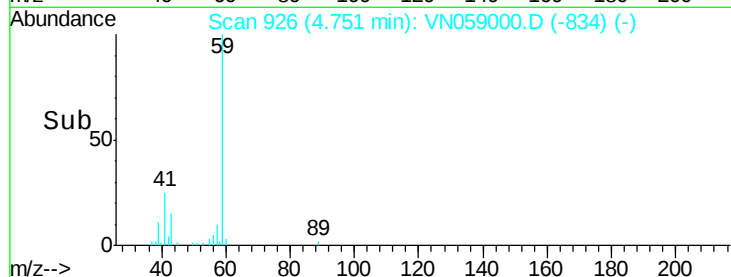
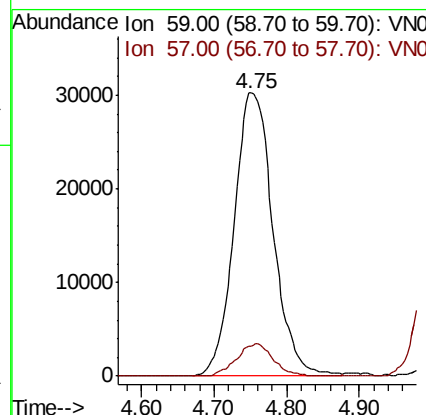
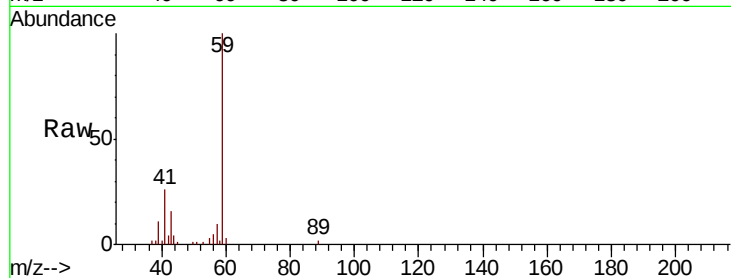


#11

Tert butyl alcohol
Concen: 107.995 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :

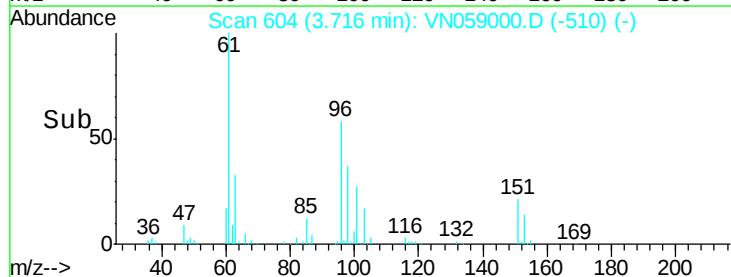
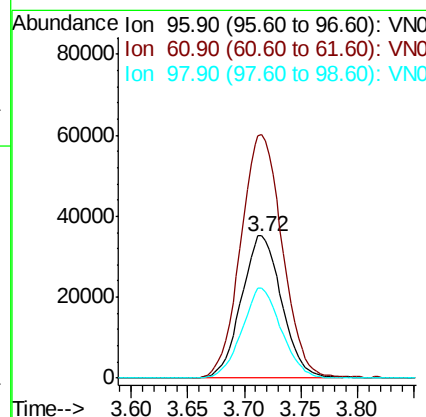
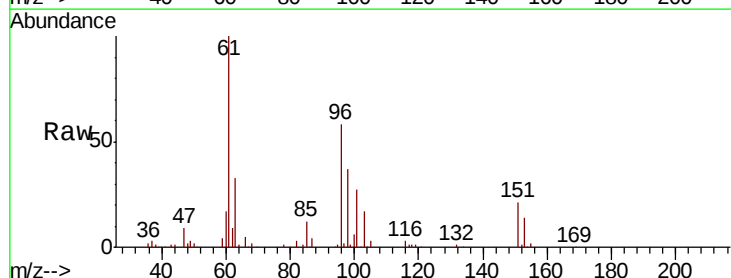
Tot Ion: 59 Resp: 113049
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

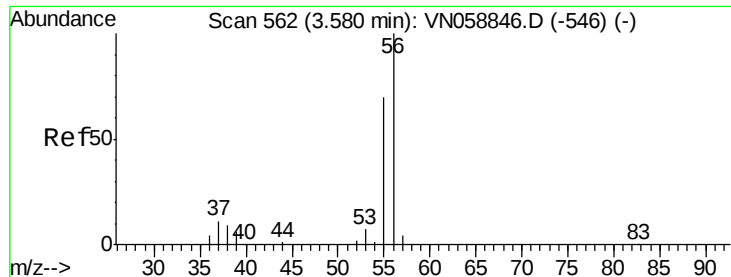


#12

1,1-Dichloroethene
Concen: 20.557 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 96 Resp: 87159
Ion Ratio Lower Upper
96 100
61 171.0 146.2 219.2
98 63.4 48.7 73.1





#13

Acrolein

Concen: 65.331 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

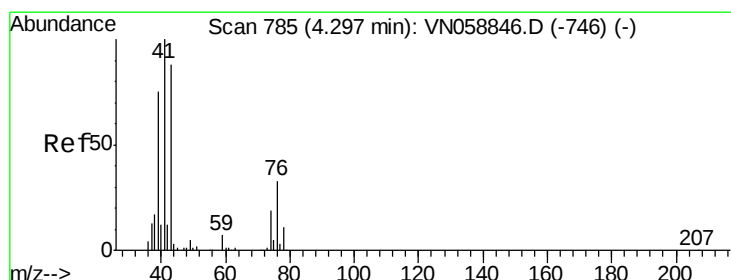
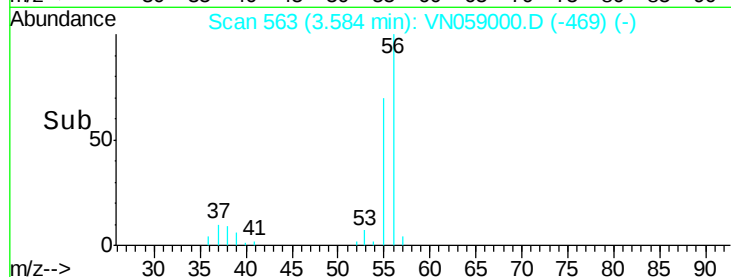
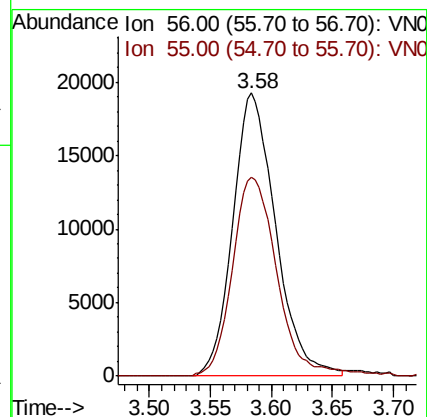
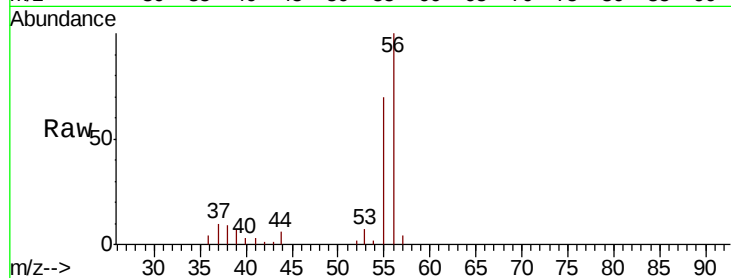
ClientSampled :

Tot Ion: 56 Resp: 46990

Ion Ratio Lower Upper

56 100

55 73.3 56.6 85.0



#14

Allyl chloride

Concen: 20.889 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

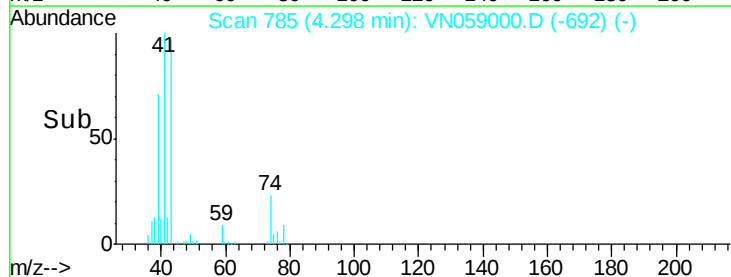
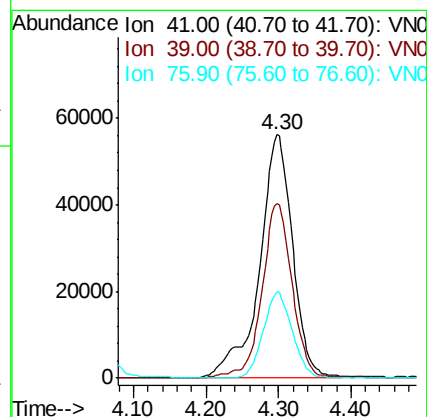
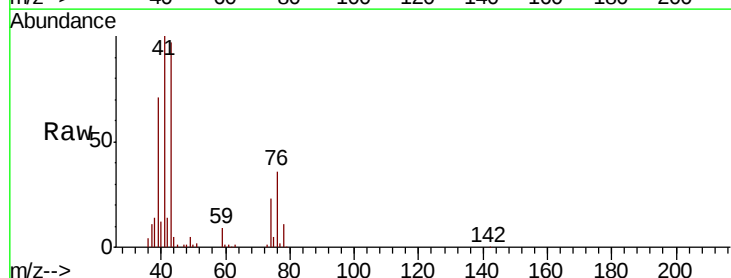
Tgt Ion: 41 Resp: 179219

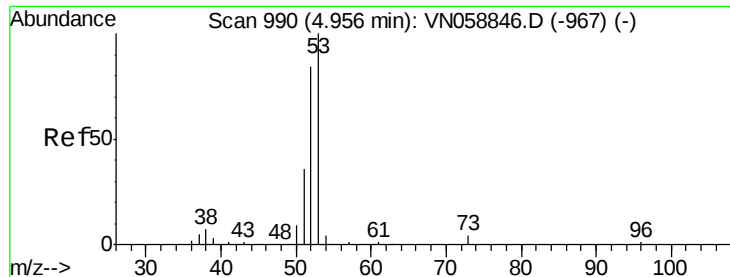
Ion Ratio Lower Upper

41 100

39 65.1 55.9 83.9

76 30.8 24.1 36.1





#15

Acrylonitrile

Concen: 112.367 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampled :

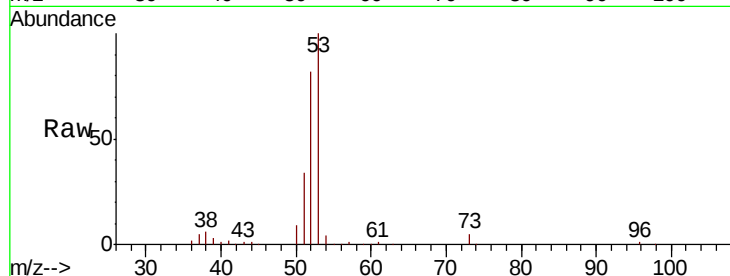
Tot Ion: 53 Resp: 295876

Ion Ratio Lower Upper

53 100

52 82.5 66.6 99.8

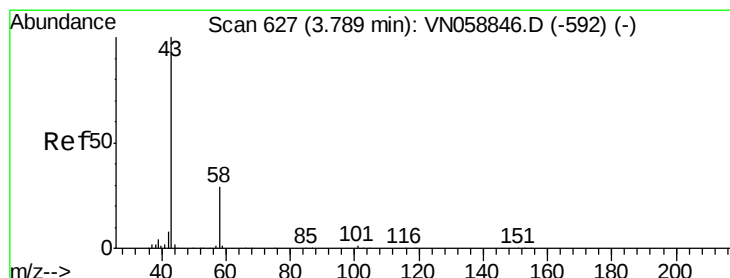
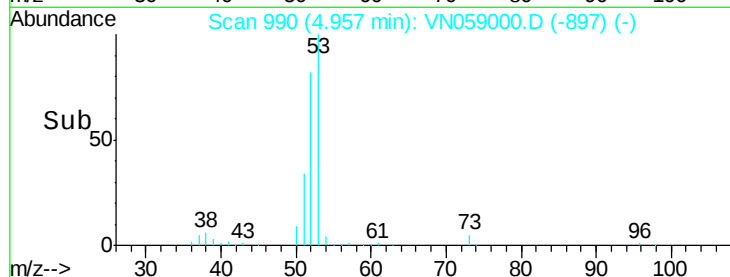
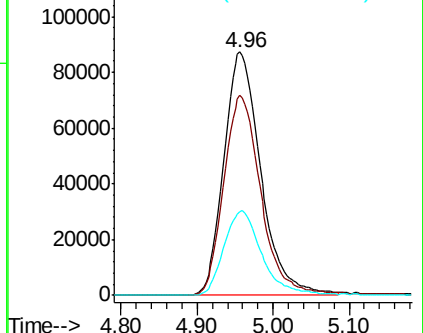
51 35.5 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)



#16

Acetone

Concen: 107.027 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059000.D

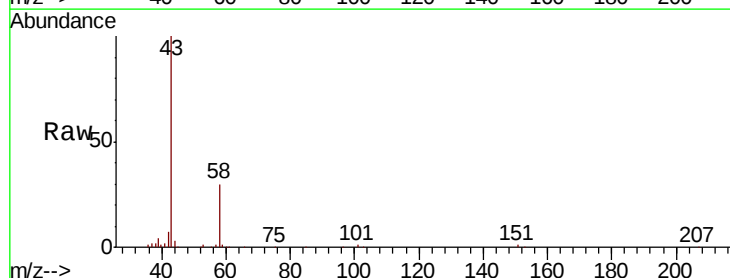
Acq: 29 Oct 2019 11:21

Tgt Ion: 43 Resp: 333611

Ion Ratio Lower Upper

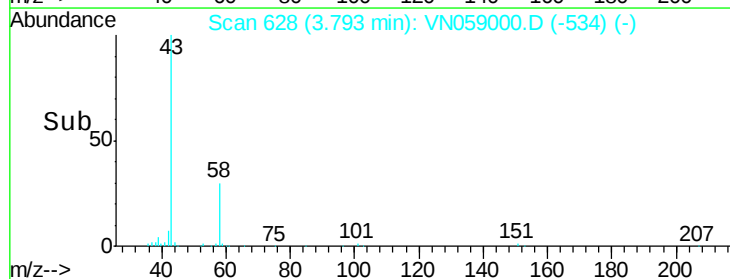
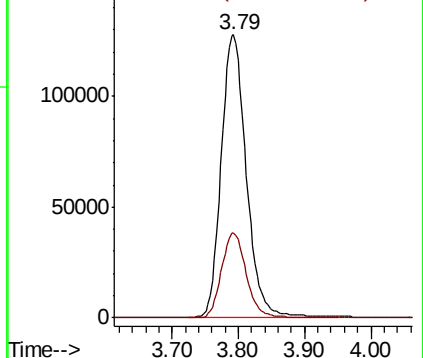
43 100

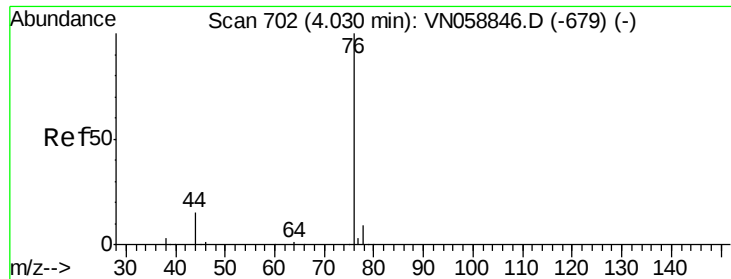
58 30.1 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

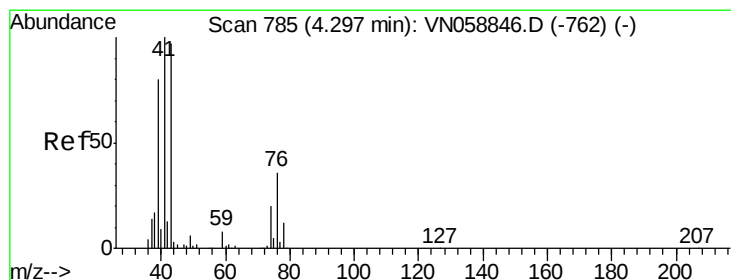
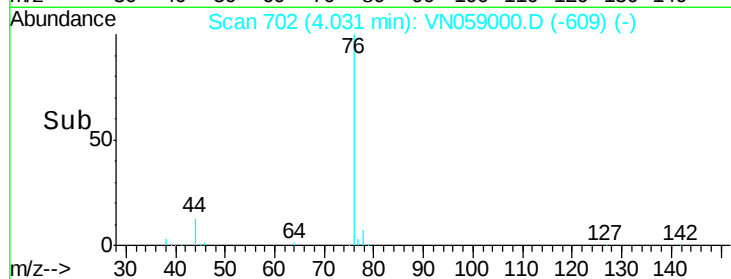
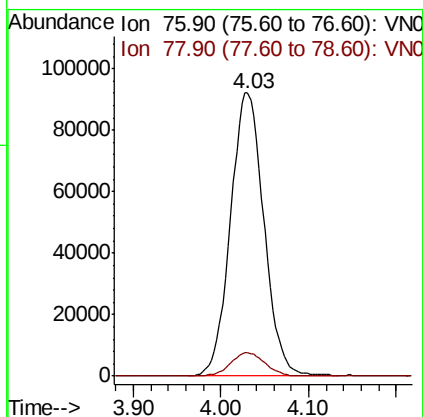
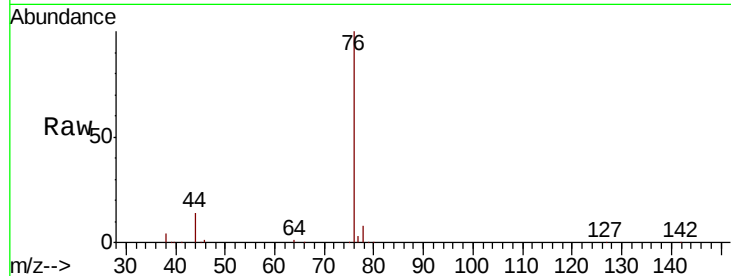




#17
Carbon Disulfide
Concen: 17.889 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

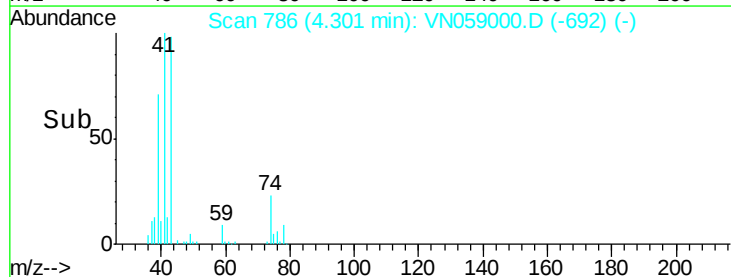
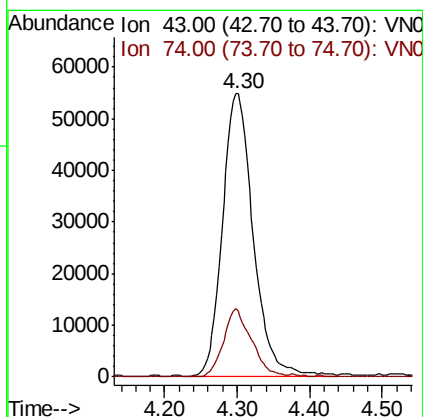
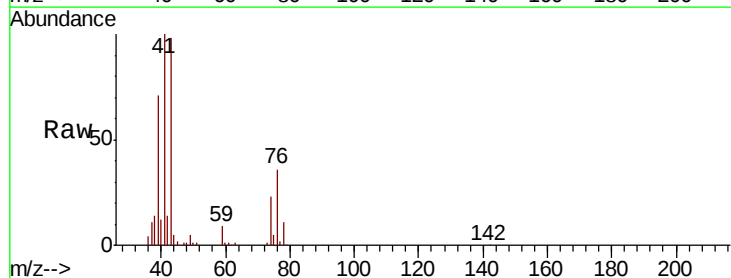
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 244331
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



#18
Methyl Acetate
Concen: 22.670 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 43 Resp: 160658
Ion Ratio Lower Upper
43 100
74 22.0 17.1 25.7

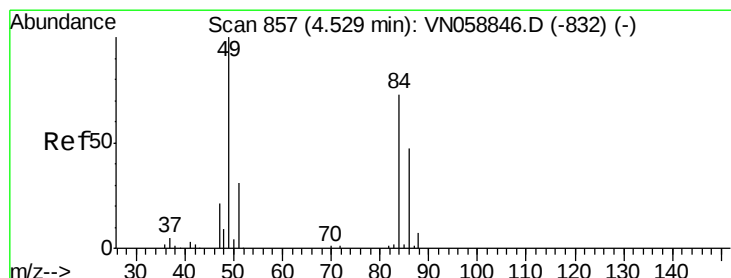
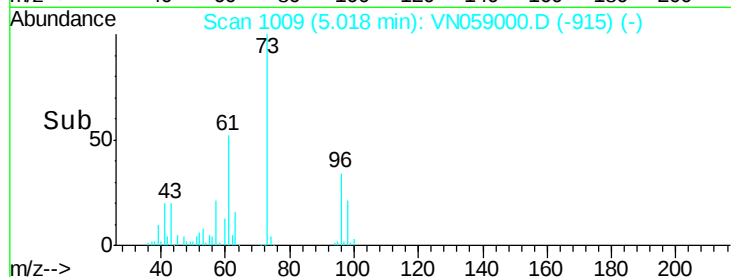
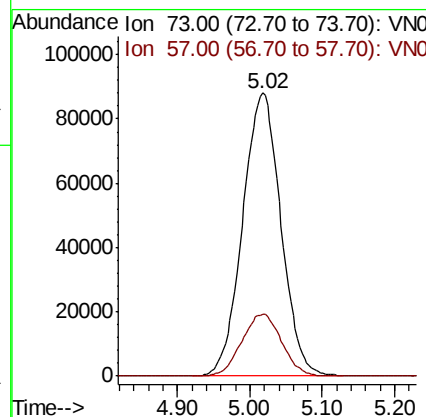
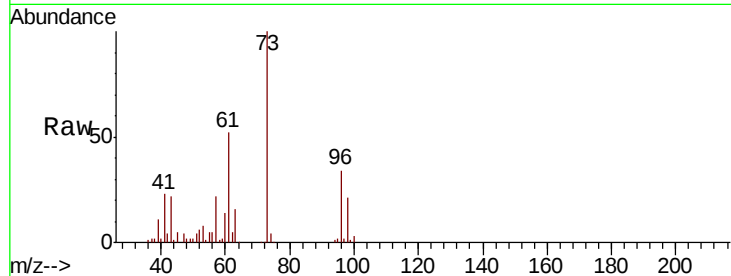




#19
Methvl tert-butvl Ether
Concen: 21.768 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

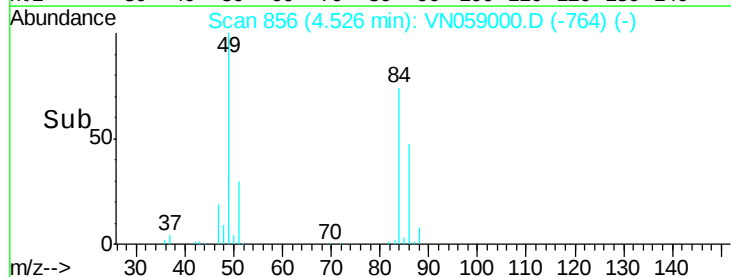
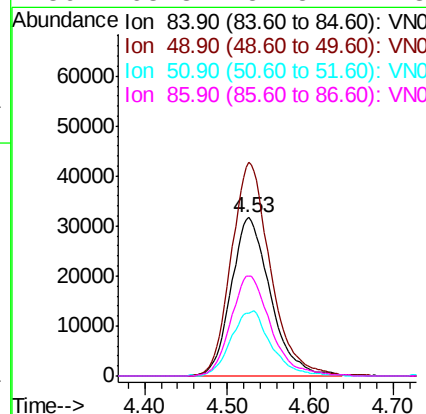
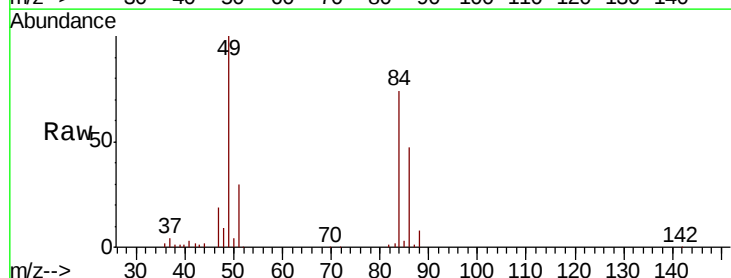
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 323183
Ion Ratio Lower Upper
73 100
57 21.7 17.9 26.9



#20
Methylene Chloride
Concen: 19.600 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 84 Resp: 104321
Ion Ratio Lower Upper
84 100
49 134.4 109.6 164.4
51 39.3 33.8 50.6
86 63.3 51.5 77.3



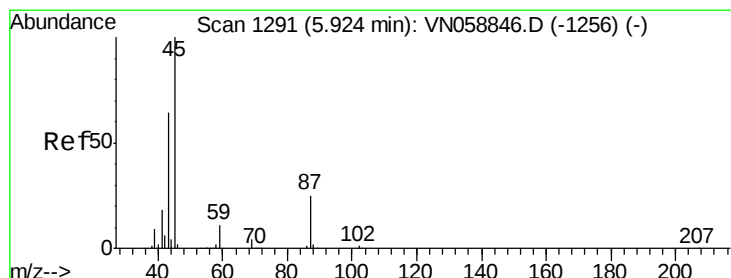
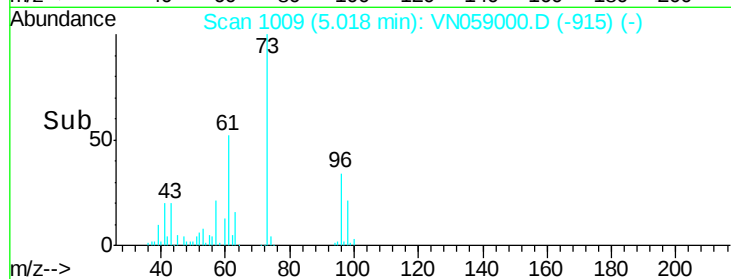
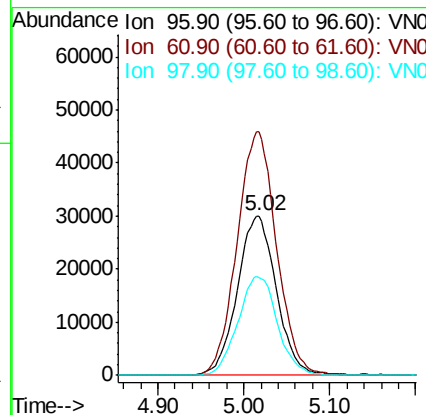
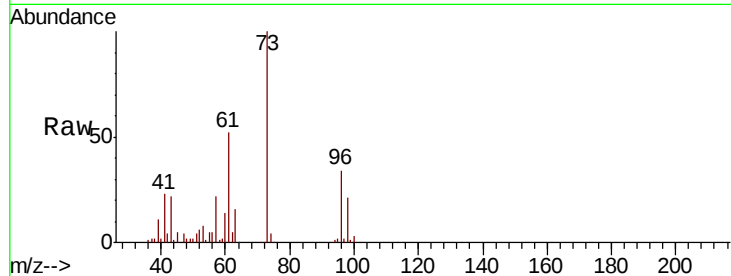


#21

trans-1,2-Dichloroethene
Concen: 20.181 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :

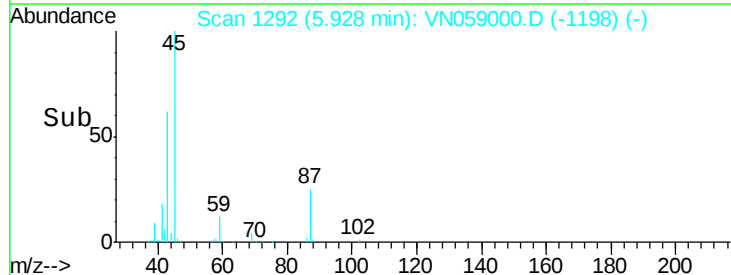
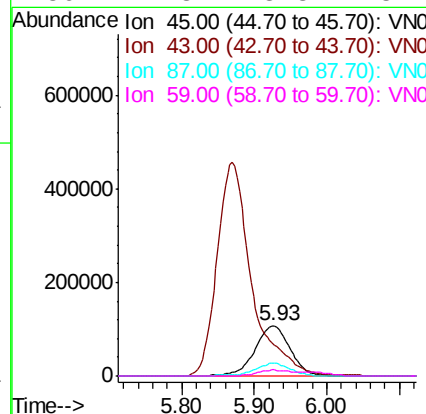
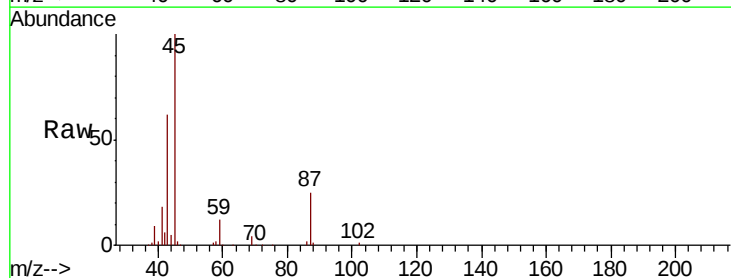
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	126.7	190.1
98	61.3	52.0	78.0

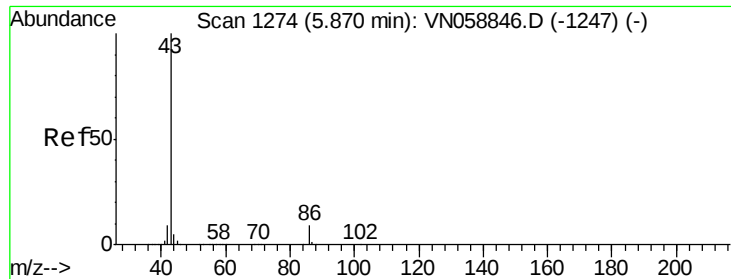


#22

Diisopropyl ether
Concen: 21.605 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	52.9	79.3
87	25.0	20.2	30.4
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 112.547 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

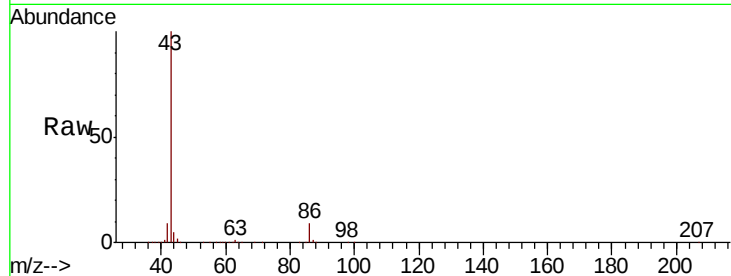
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1517464

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN058846.D (-1247) (-)

5.87

500000

400000

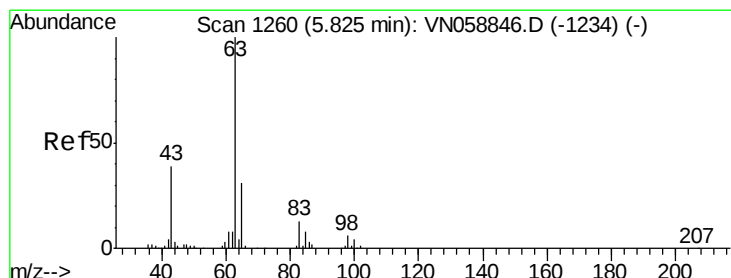
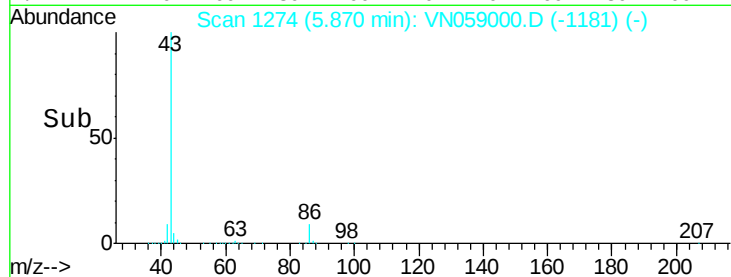
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.522 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

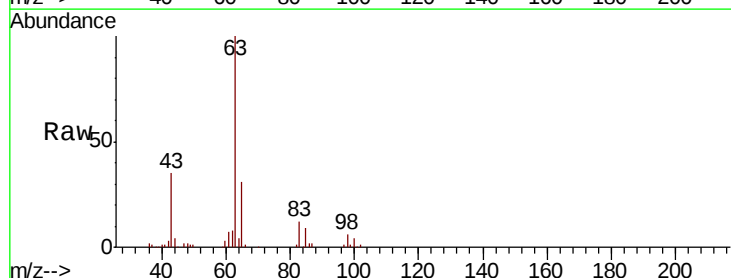
Tgt Ion: 63 Resp: 199691

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058846.D (-1234) (-)

5.82

80000

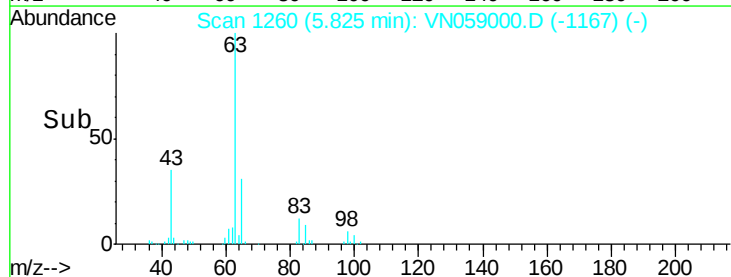
60000

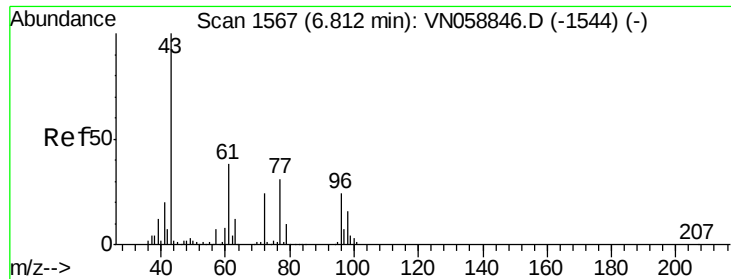
40000

20000

0

Time-->





#25

2-Butanone

Concen: 108.045 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

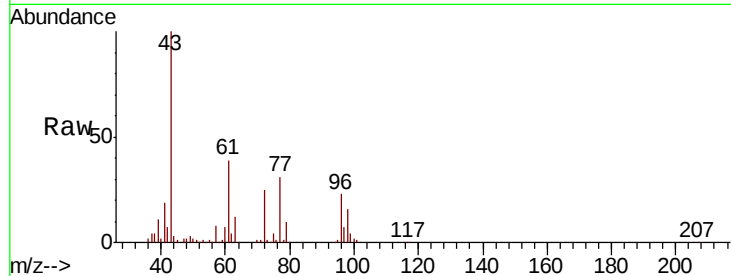
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 437181

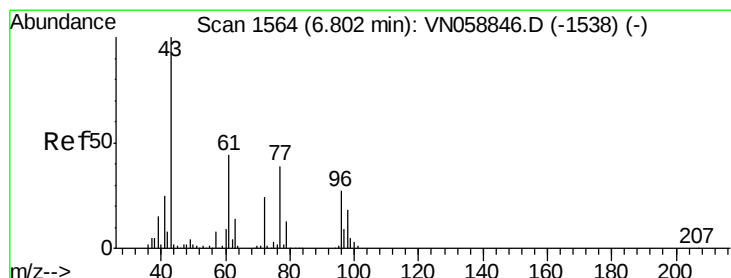
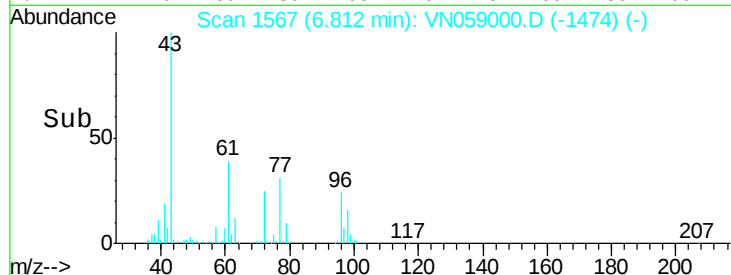
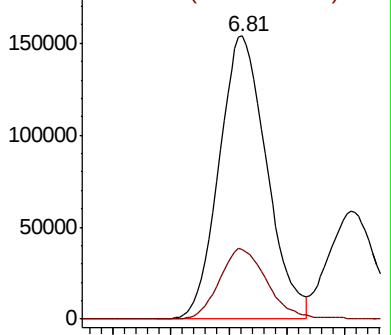
Ion Ratio Lower Upper

43 100

72 24.7 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)



#26

2,2-Dichloropropane

Concen: 20.718 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059000.D

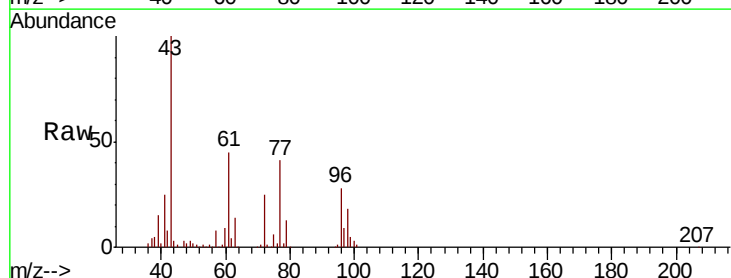
Acq: 29 Oct 2019 11:21

Tgt Ion: 77 Resp: 174379

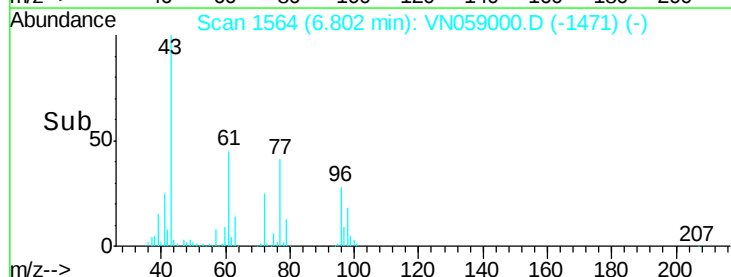
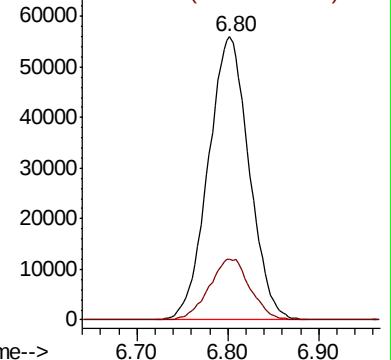
Ion Ratio Lower Upper

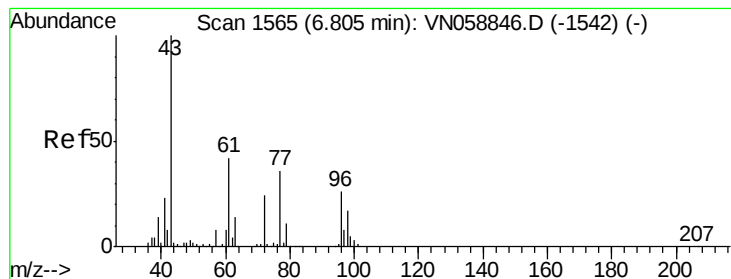
77 100

97 21.5 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058846.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 20.650 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampled :

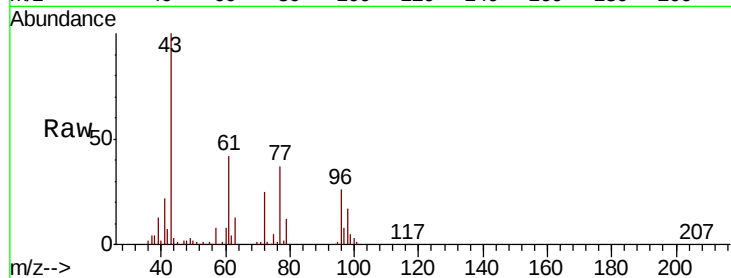
Tot Ion: 96 Resp: 110459

Ion Ratio Lower Upper

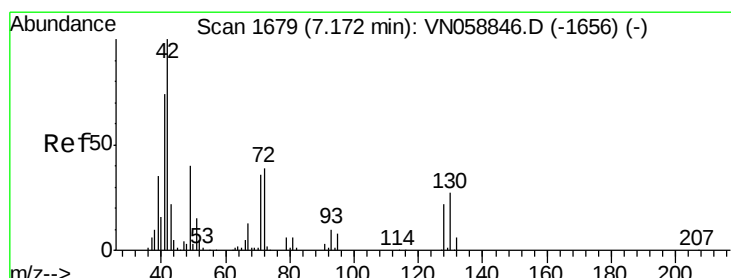
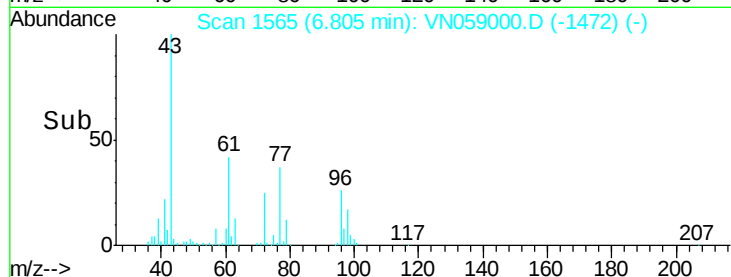
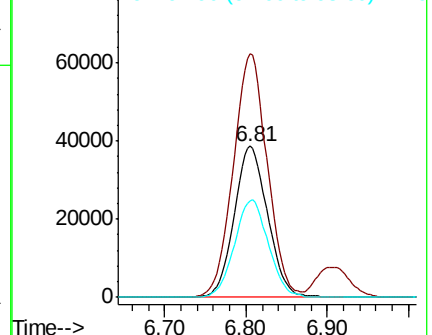
96 100

61 163.4 0.0 325.0

98 65.4 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.211 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

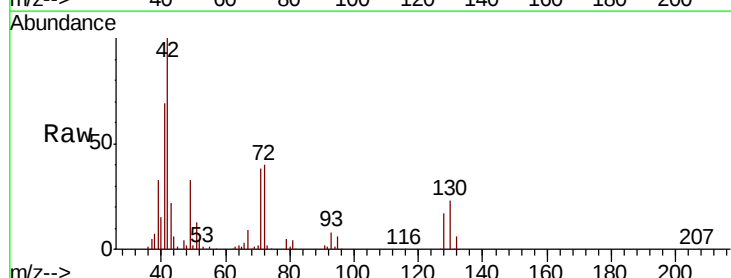
Tgt Ion: 49 Resp: 65499

Ion Ratio Lower Upper

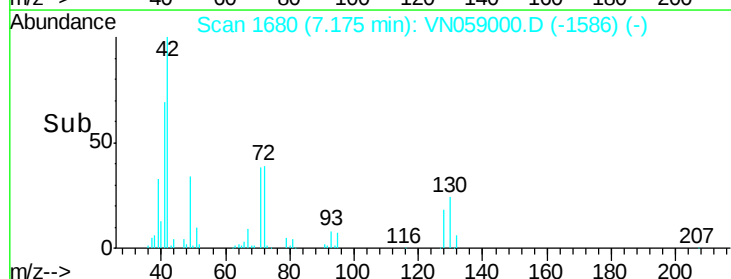
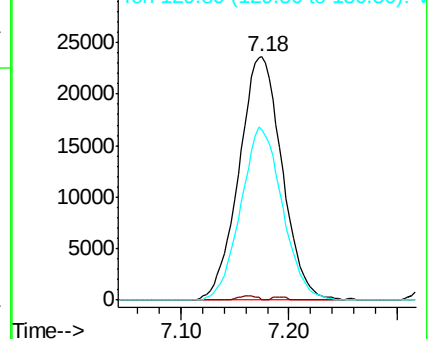
49 100

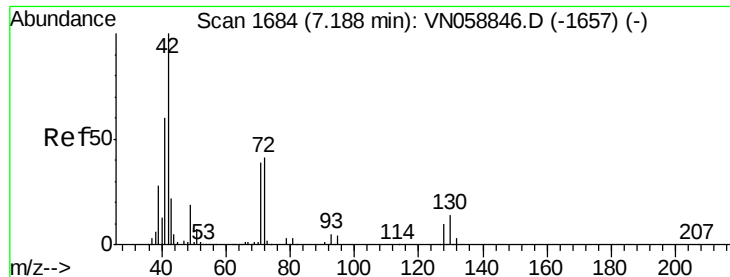
129 0.7 0.0 3.2

130 68.6 53.5 80.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

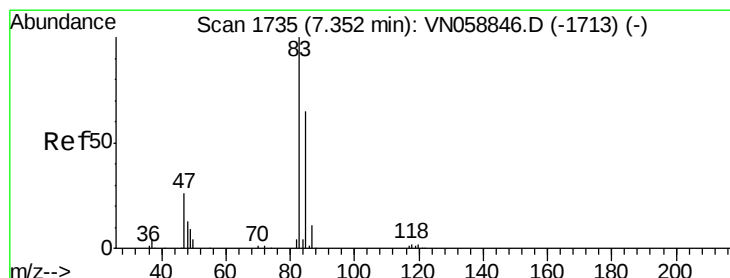
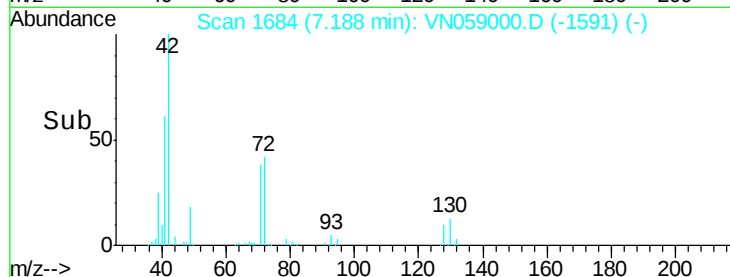
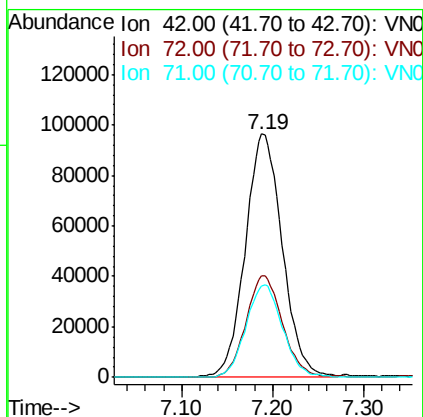
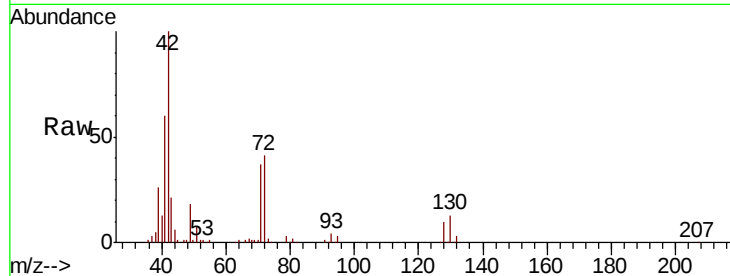




#29
Tetrahydrofuran
Concen: 109.546 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

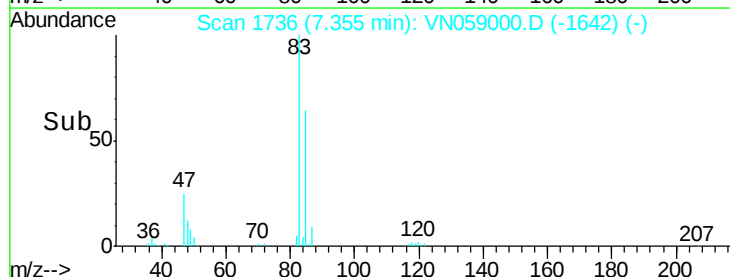
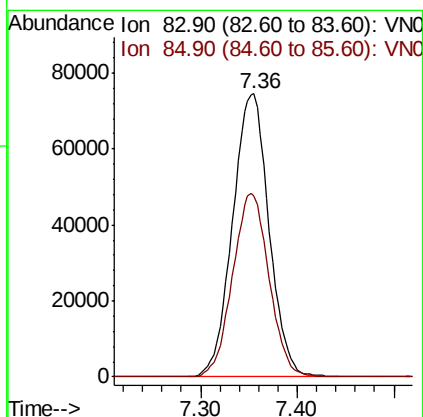
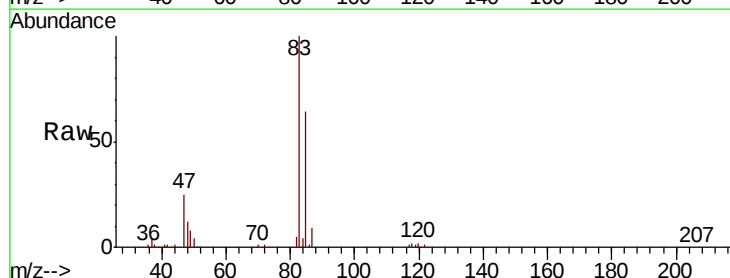
Instrument :
MSVOA_N
ClientSampled :

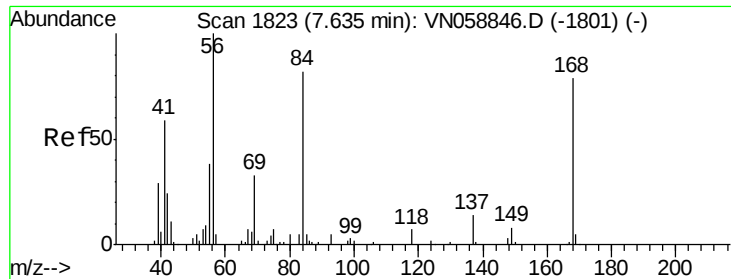
Tot Ion: 42 Resp: 271155
Ion Ratio Lower Upper
42 100
72 41.2 32.2 48.2
71 37.8 30.6 45.8



#30
Chloroform
Concen: 19.954 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 83 Resp: 194768
Ion Ratio Lower Upper
83 100
85 63.8 51.9 77.9

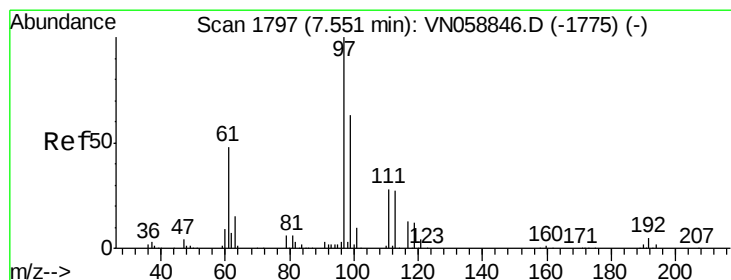
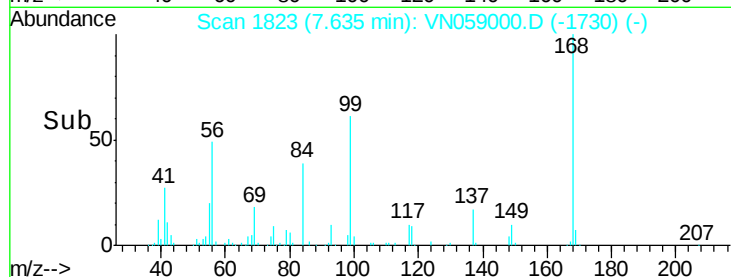
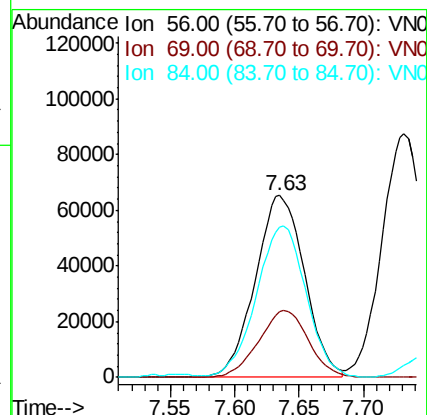
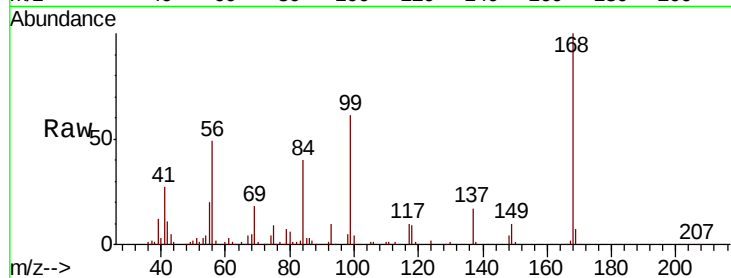




#31
Cyclohexane
Concen: 19.183 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

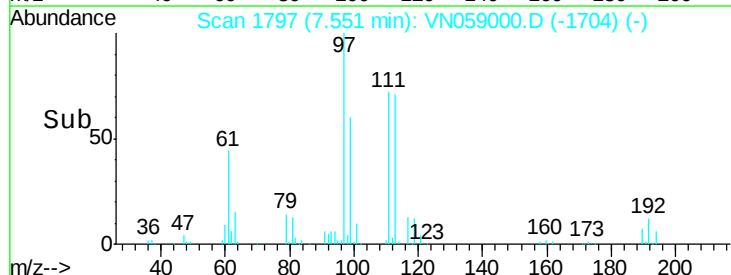
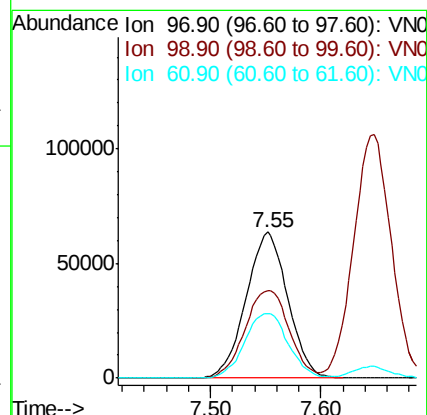
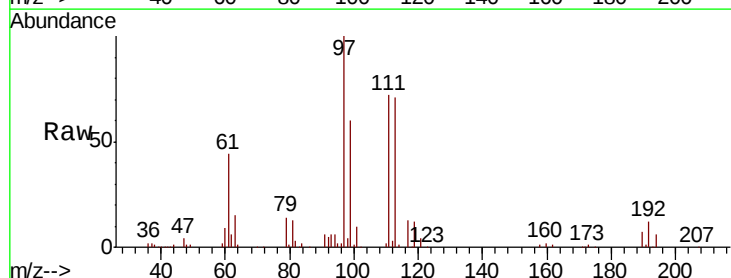
Instrument :
MSVOA_N
ClientSampled :

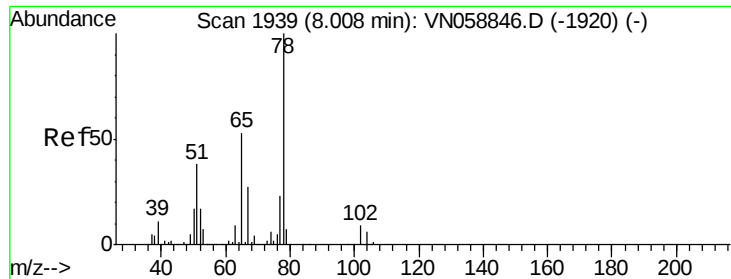
Tot Ion: 56 Resp: 173898
Ion Ratio Lower Upper
56 100
69 36.1 26.2 39.4
84 81.6 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 20.207 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 97 Resp: 166248
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.4
61 46.6 38.6 58.0

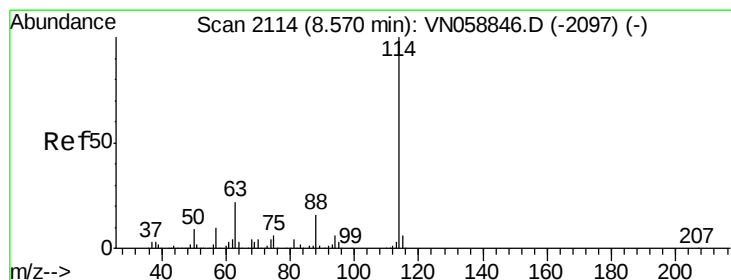
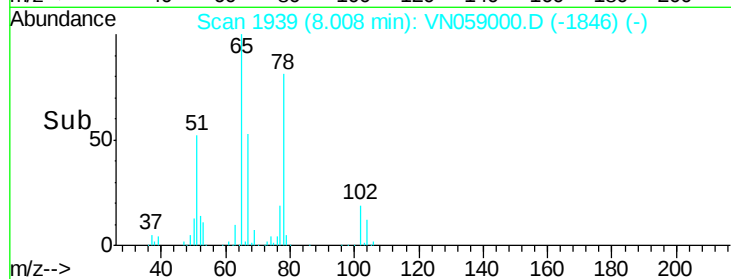
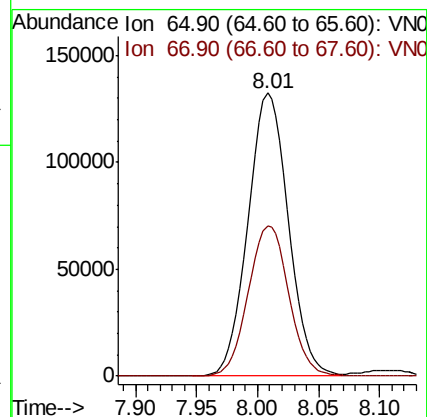
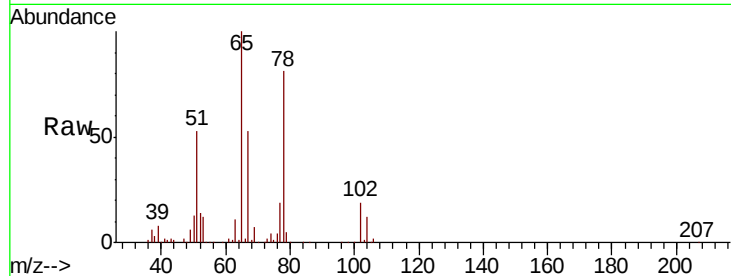




#33
 1,2-Dichloroethane-d4
 Concen: 48.123 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

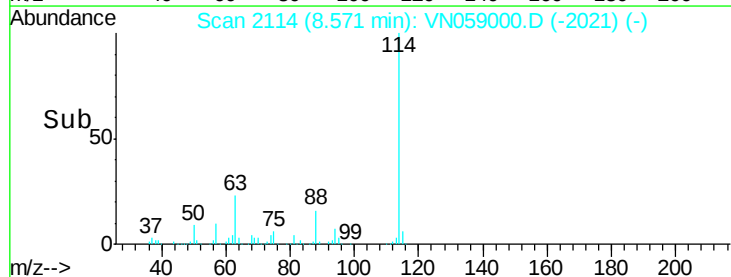
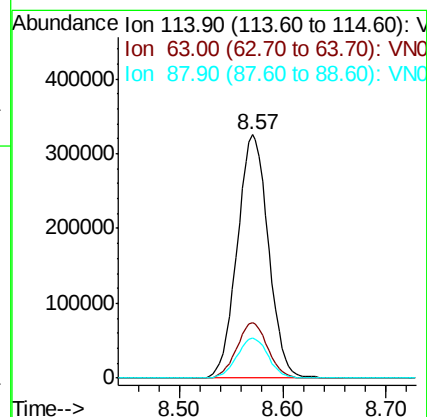
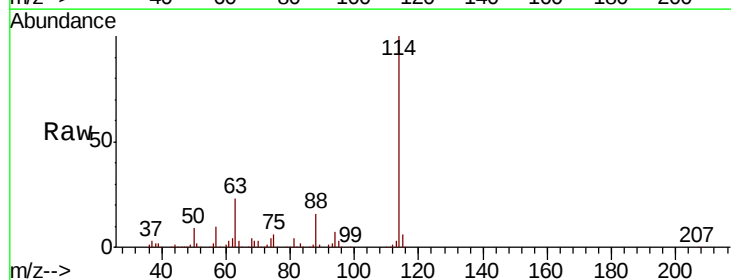
Instrument :
 MSVOA_N
 ClientSampled :

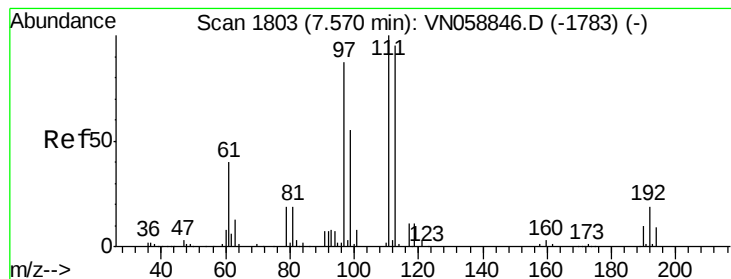
Tot Ion: 65 Resp: 303566
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion: 114 Resp: 683642
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.4
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.035 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampled :

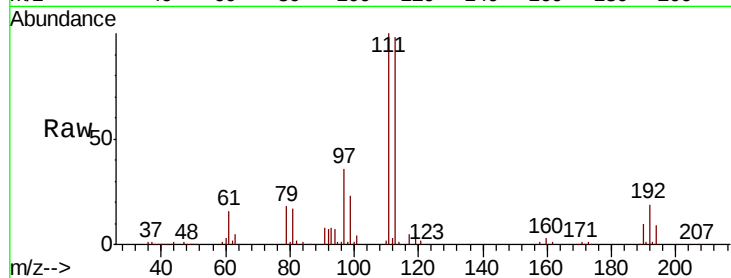
Tot Ion:113 Resp: 229390

Ion Ratio Lower Upper

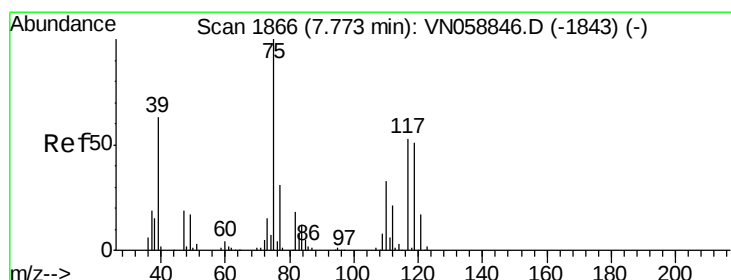
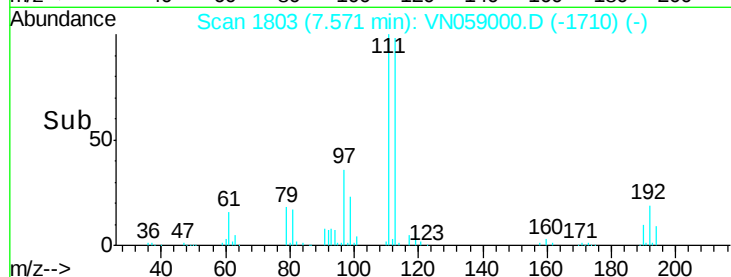
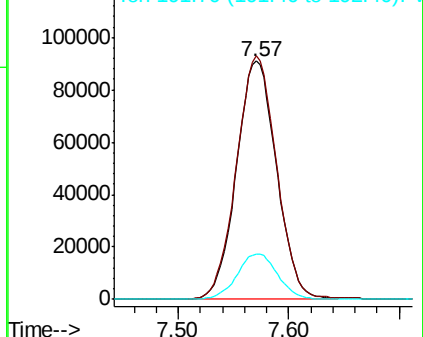
113 100

111 102.2 82.0 123.0

192 19.3 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.503 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

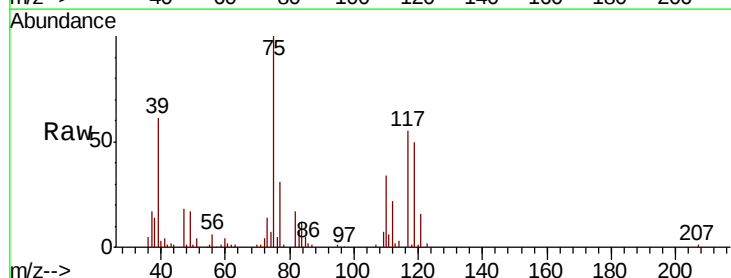
Tgt Ion: 75 Resp: 143500

Ion Ratio Lower Upper

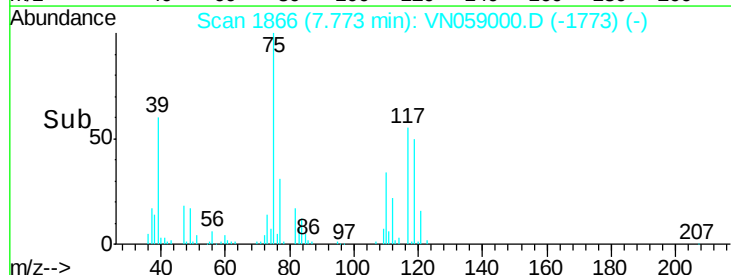
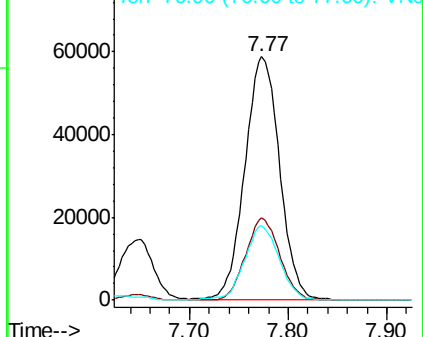
75 100

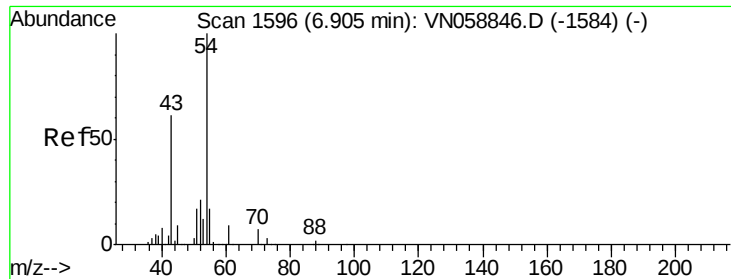
110 33.0 16.3 48.9

77 30.6 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

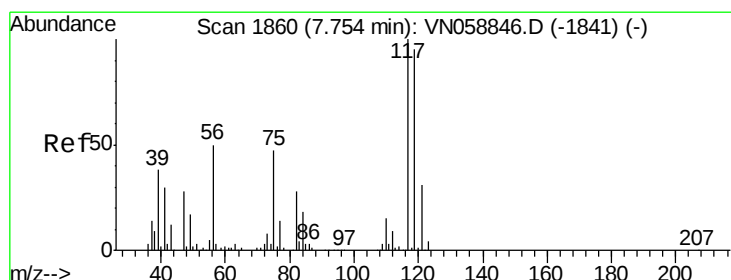
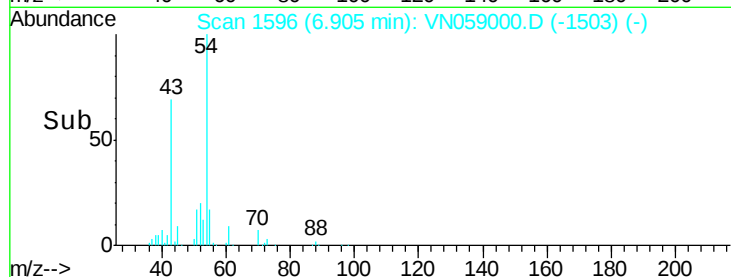
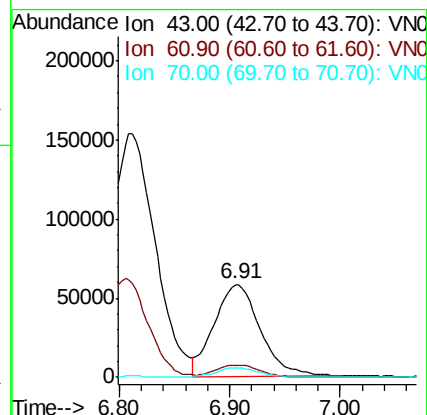
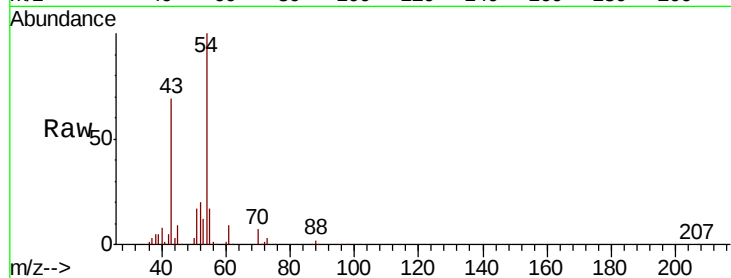




#37
Ethyl Acetate
Concen: 22.009 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

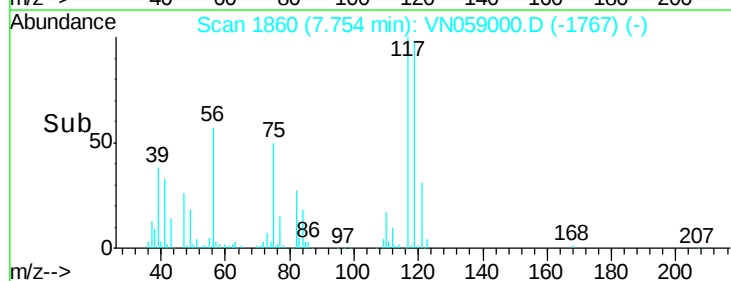
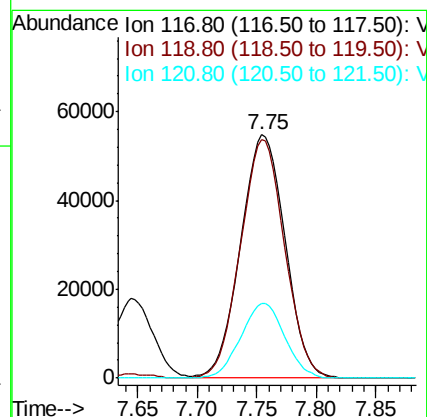
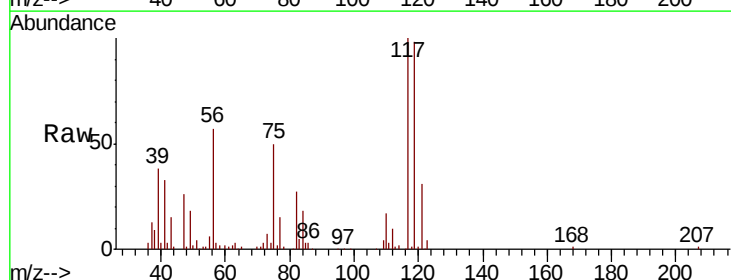
Instrument :
MSVOA_N
ClientSampleId :

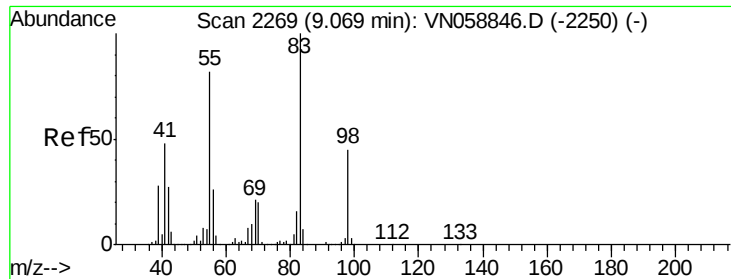
Tot Ion: 43 Resp: 167848
Ion Ratio Lower Upper
43 100
61 12.7 10.5 15.7
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.730 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 117 Resp: 142263
Ion Ratio Lower Upper
117 100
119 98.1 75.7 113.5
121 30.6 25.0 37.6

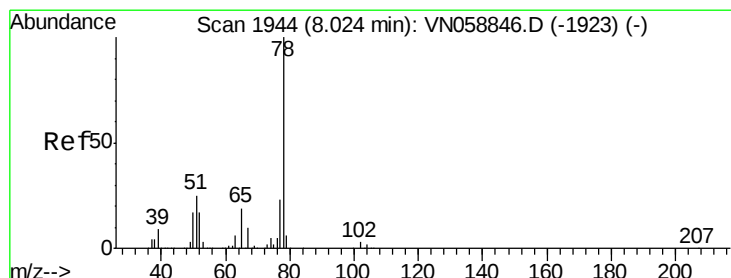
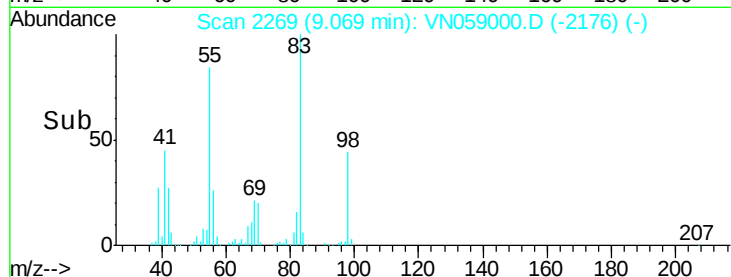
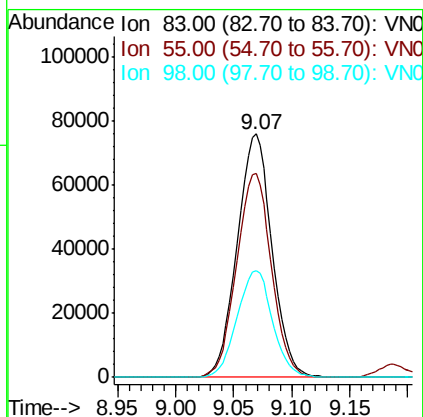
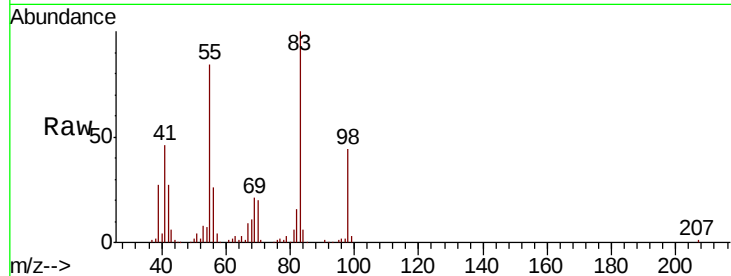




#39
Methvlcvclohexane
Concen: 20.147 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

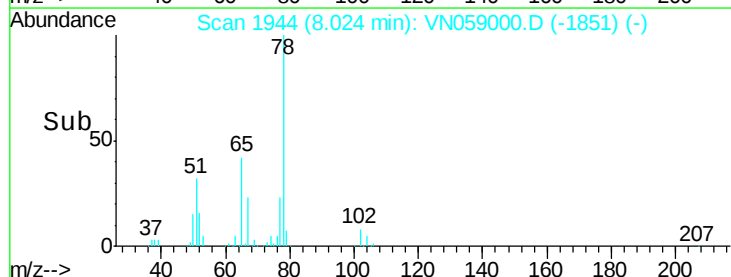
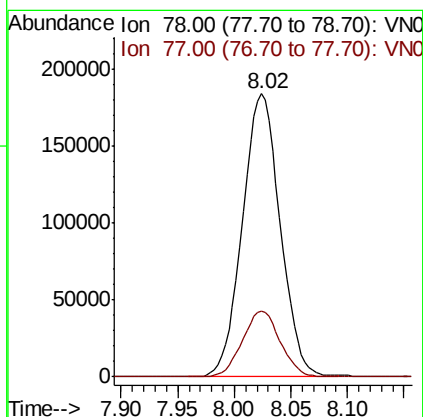
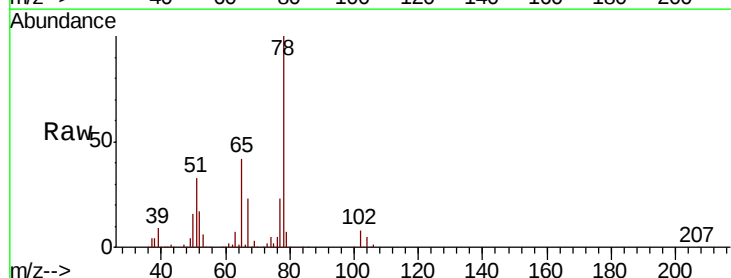
Instrument :
MSVOA_N
ClientSampled :

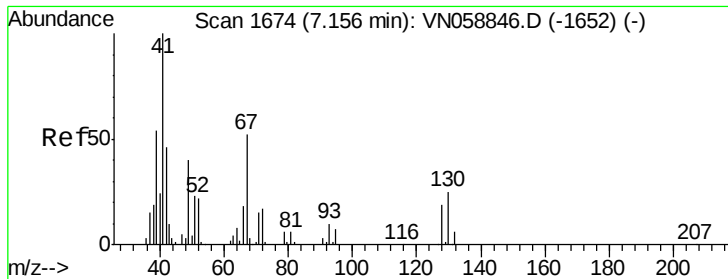
Tot Ion: 83 Resp: 158337
Ion Ratio Lower Upper
83 100
55 83.6 65.5 98.3
98 44.1 35.7 53.5



#40
Benzene
Concen: 20.812 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 78 Resp: 427751
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2

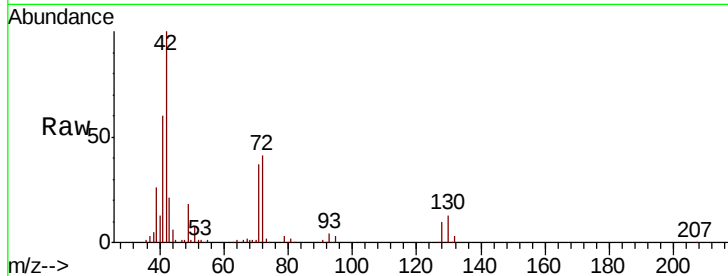




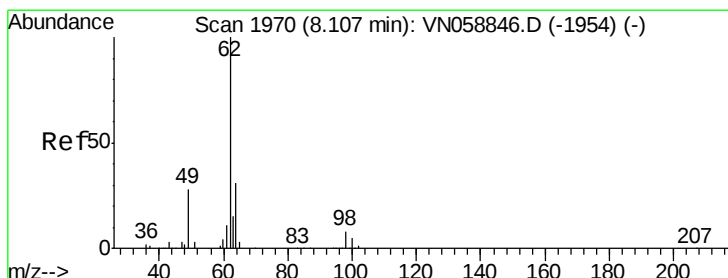
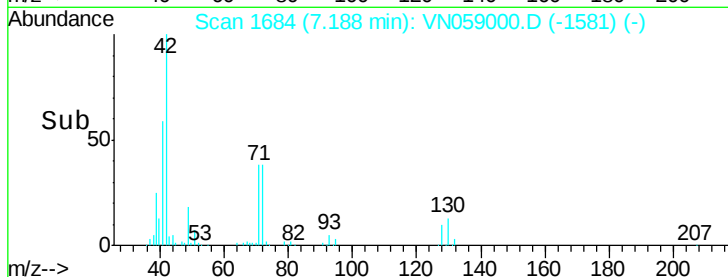
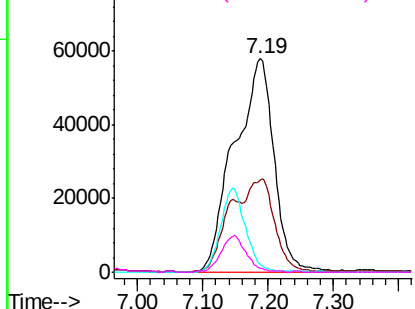
#41
Methacrylonitrile
Concen: 72.233 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	245346
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

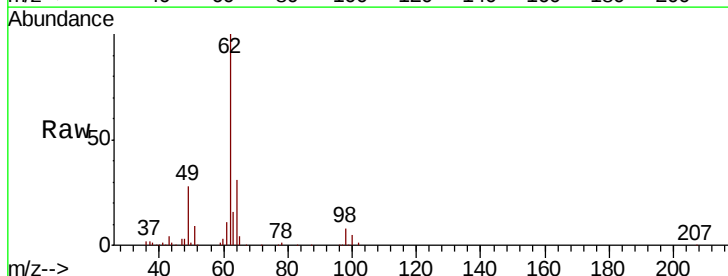


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

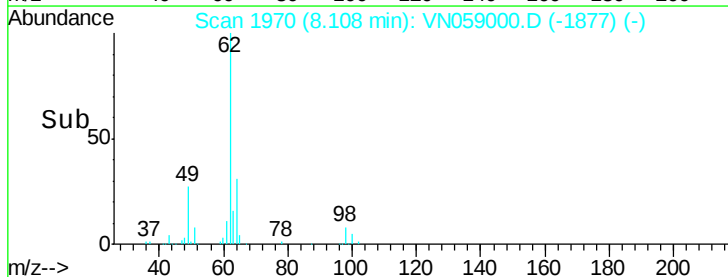
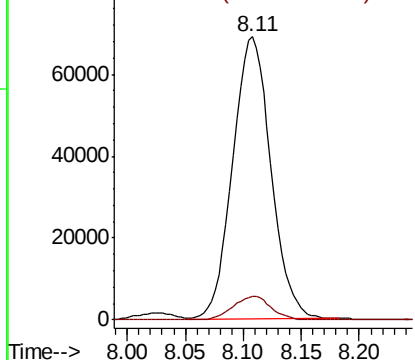


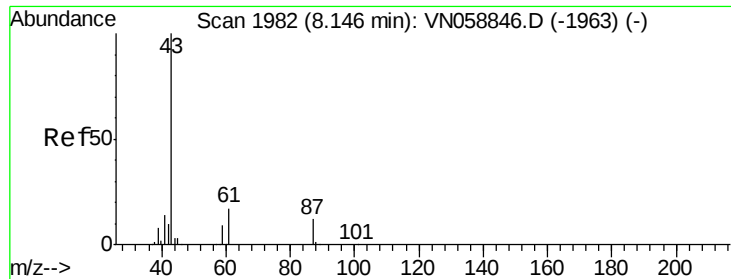
#42
1,2-Dichloroethane
Concen: 19.929 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion:	62	Resp:	157779
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

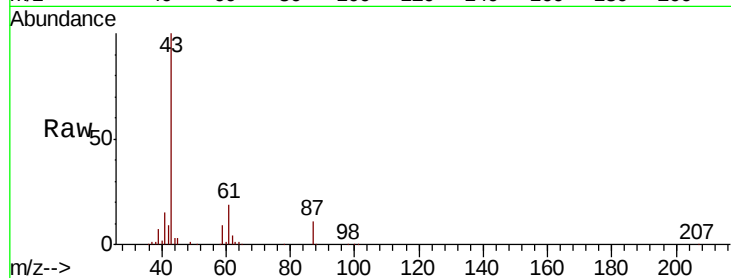




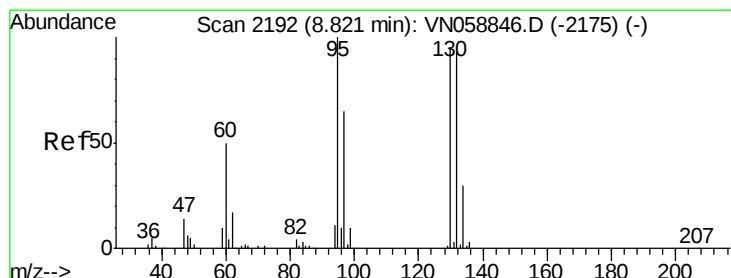
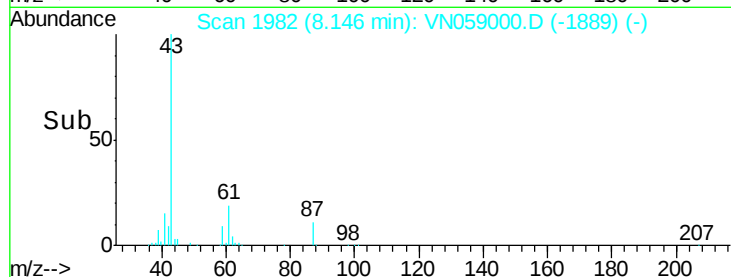
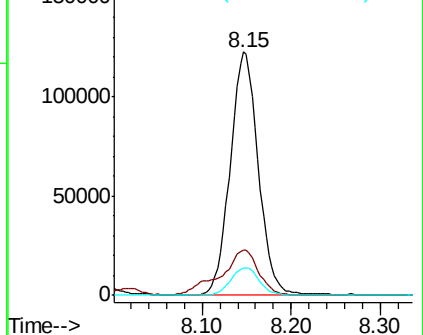
#43
Isopropyl Acetate
Concen: 21.773 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 266306
Ion Ratio Lower Upper
43 100
61 25.2 20.2 30.2
87 11.6 9.5 14.3

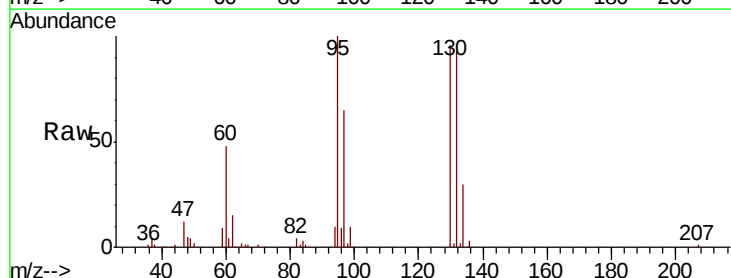


Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)
Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)
Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)

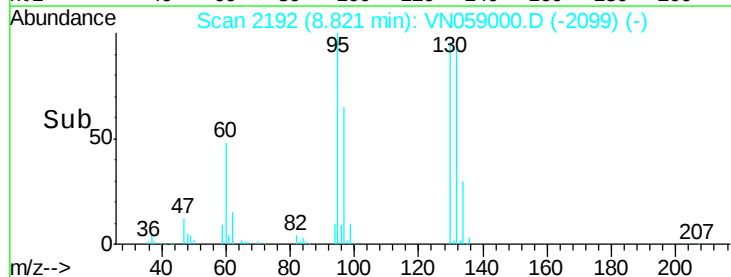
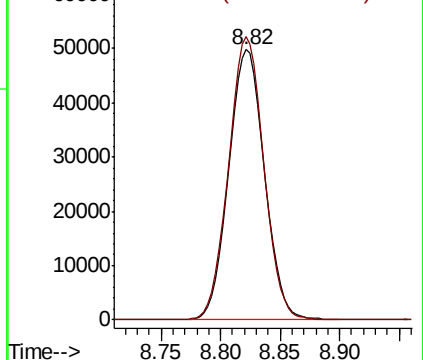


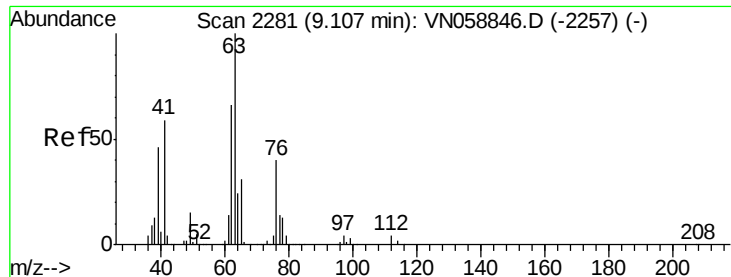
#44
Trichloroethene
Concen: 20.731 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 130 Resp: 103791
Ion Ratio Lower Upper
130 100
95 104.7 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)
Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 21.433 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

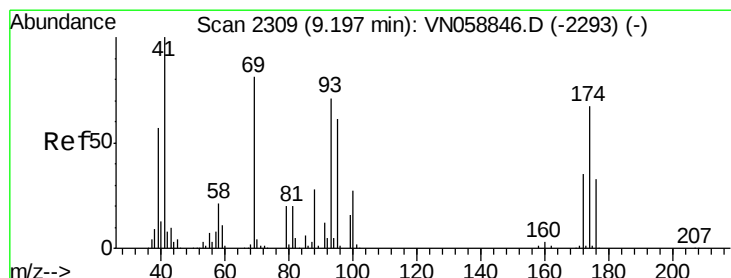
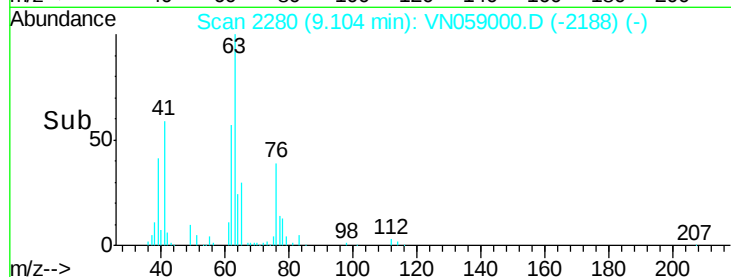
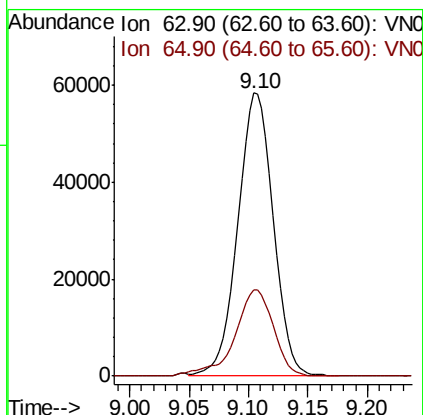
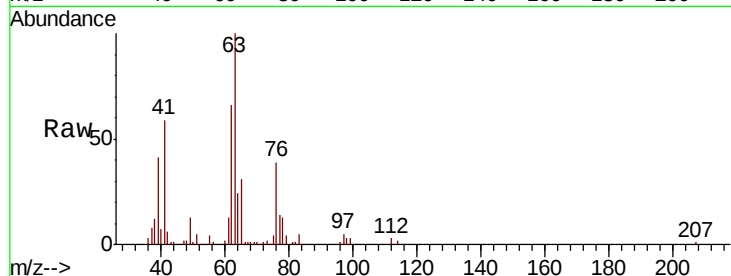
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 120791

Ion Ratio Lower Upper

63 100

65 30.7 24.5 36.7



#46

Dibromomethane

Concen: 20.520 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

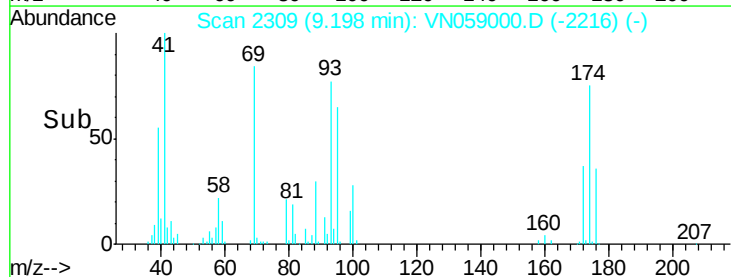
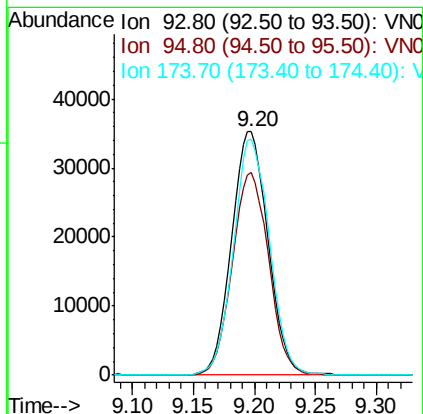
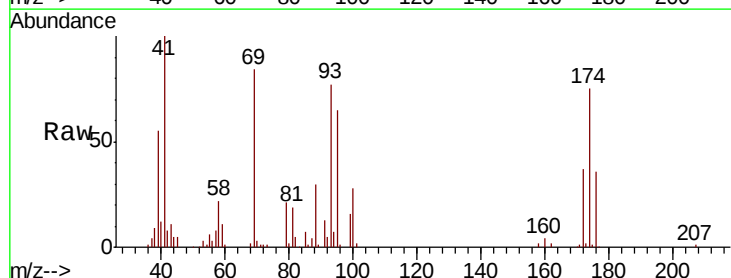
Tgt Ion: 93 Resp: 73108

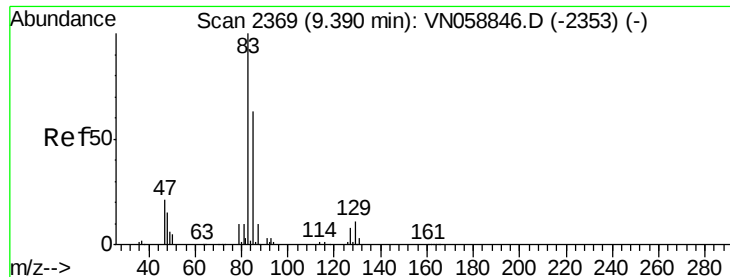
Ion Ratio Lower Upper

93 100

95 82.6 67.6 101.4

174 95.7 74.1 111.1





#47

Bromodichloromethane

Concen: 20.484 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

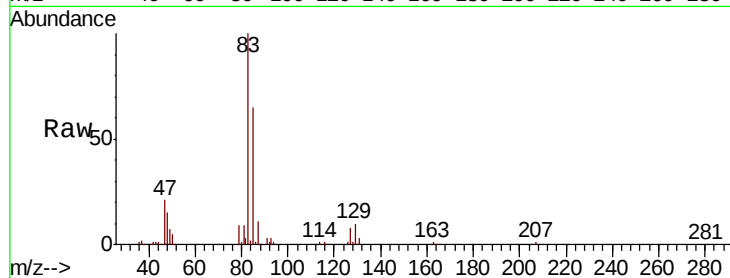
Tot Ion: 83 Resp: 150422

Ion Ratio Lower Upper

83 100

85 65.4 50.6 75.8

127 8.2 6.5 9.7

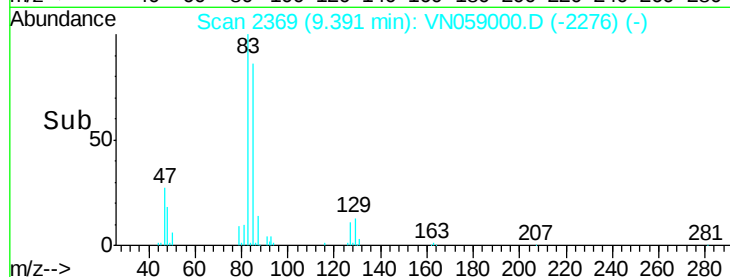


Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058846.D (-2353) (-)

9.39



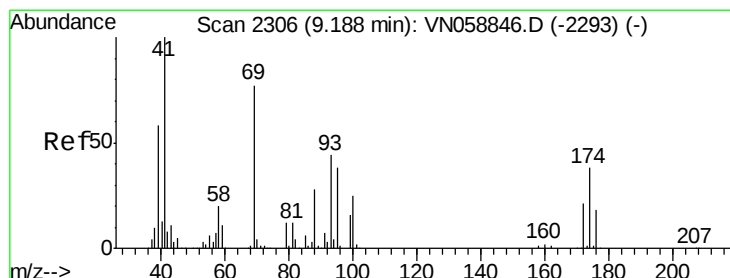
Abundance Ion 82.90 (82.60 to 83.60): VN059000.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059000.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059000.D (-2276) (-)

9.39

Time-->



#48

Methyl methacrylate

Concen: 20.966 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

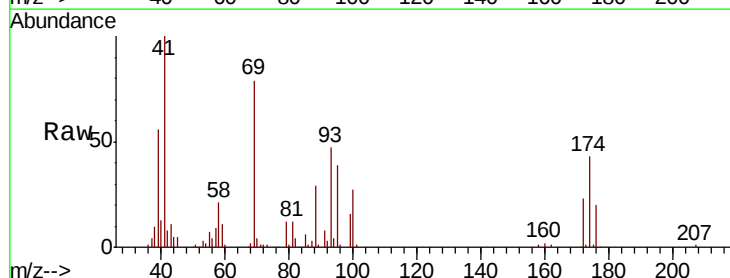
Tgt Ion: 41 Resp: 116346

Ion Ratio Lower Upper

41 100

69 82.5 63.8 95.6

39 57.1 47.8 71.8

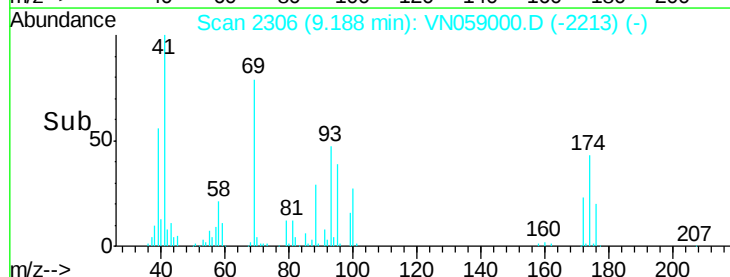


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2293) (-)

9.19



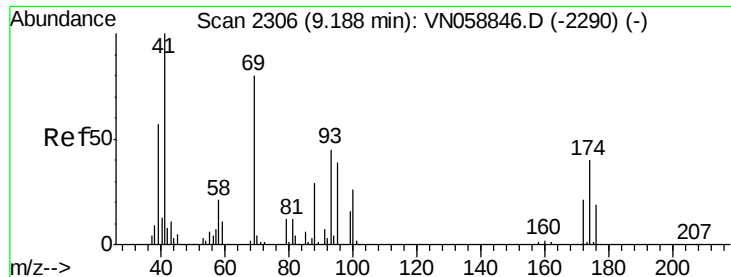
Abundance Ion 41.00 (40.70 to 41.70): VN059000.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN059000.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN059000.D (-2213) (-)

9.19

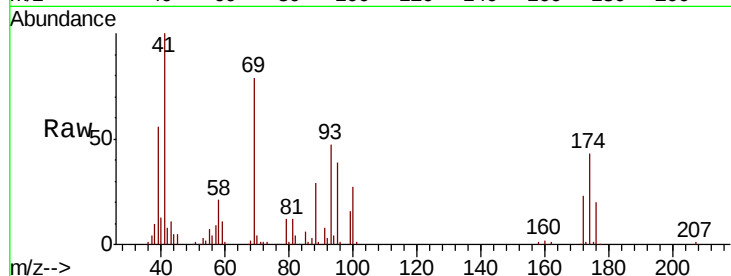
Time-->



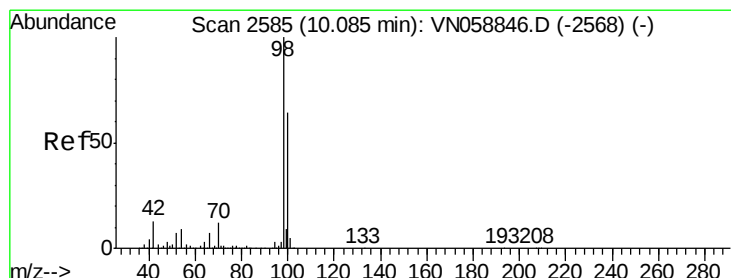
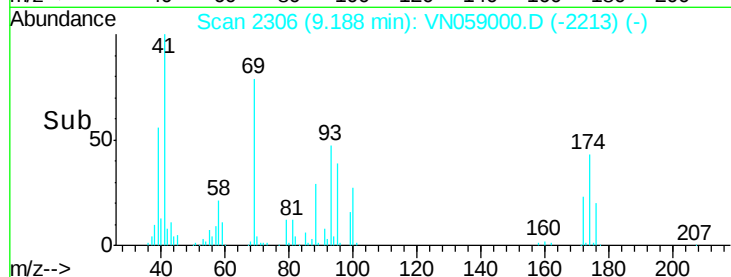
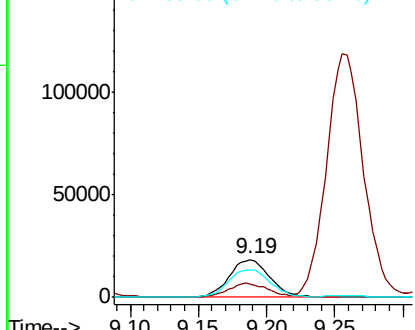
#49
1,4-Dioxane
Concen: 419.928 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 38253
Ion Ratio Lower Upper
88 100
43 36.2 29.1 43.7
58 75.5 59.4 89.0

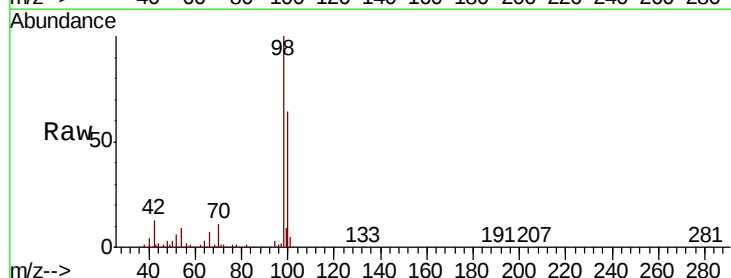


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

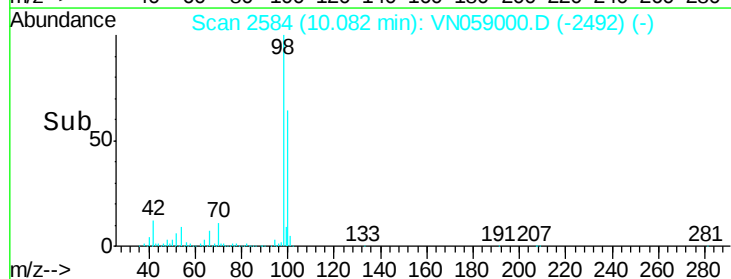
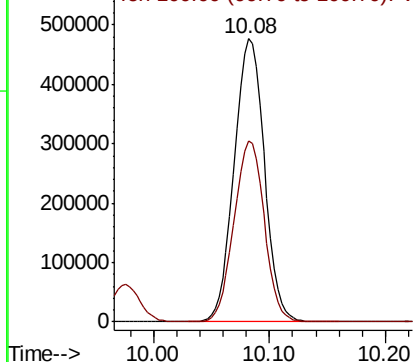


#50
Toluene-d8
Concen: 49.561 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 98 Resp: 864742
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 117.707 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

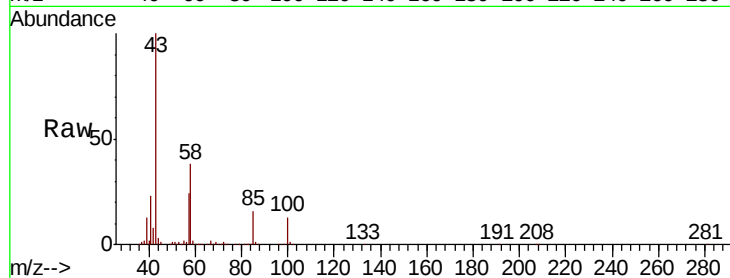
ClientSampleId :

Tot Ion: 43 Resp: 840903

Ion Ratio Lower Upper

43 100

58 38.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

500000

400000

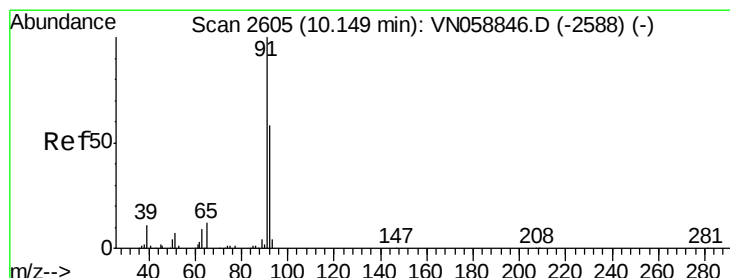
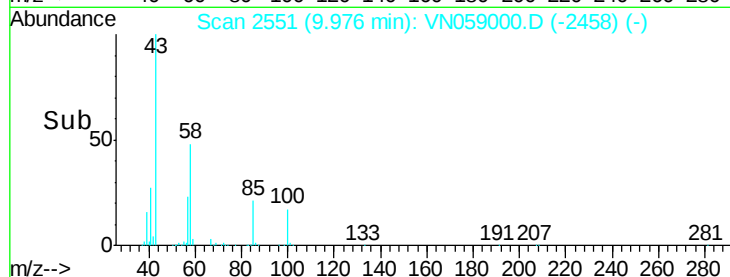
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.226 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059000.D

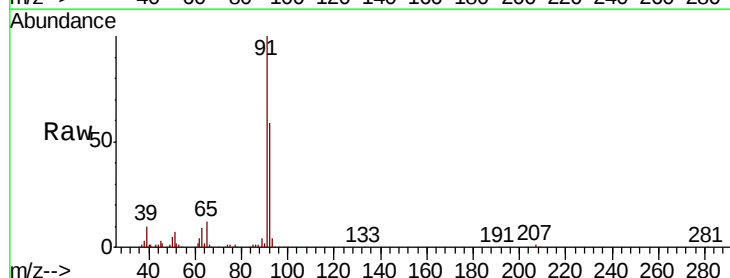
Acq: 29 Oct 2019 11:21

Tgt Ion: 92 Resp: 258705

Ion Ratio Lower Upper

92 100

91 173.0 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

250000

200000

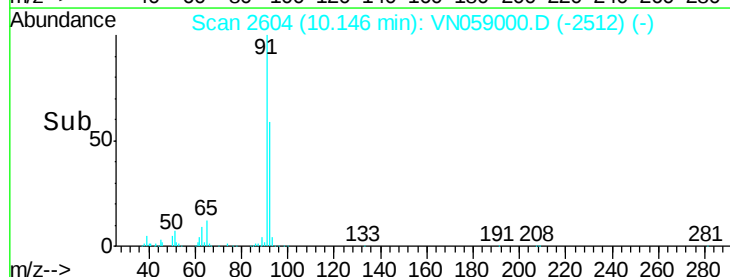
150000

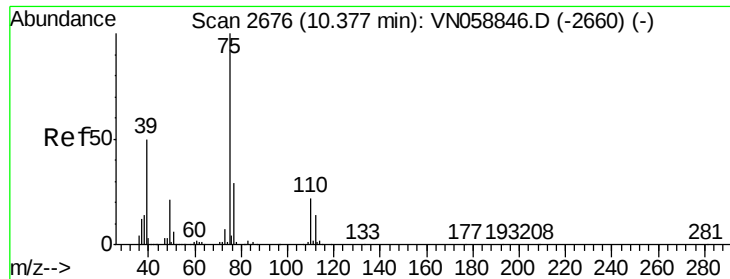
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.819 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

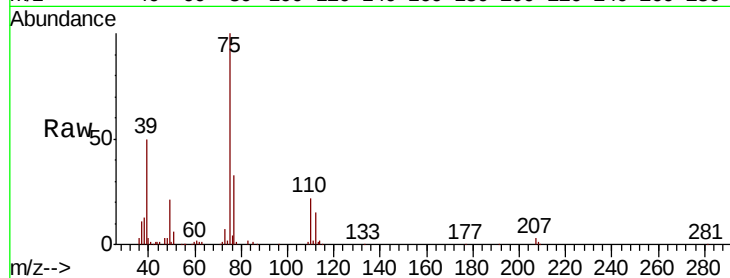
ClientSampled :

Tot Ion: 75 Resp: 169237

Ion Ratio Lower Upper

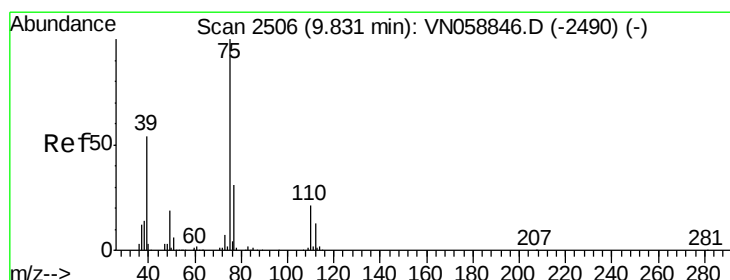
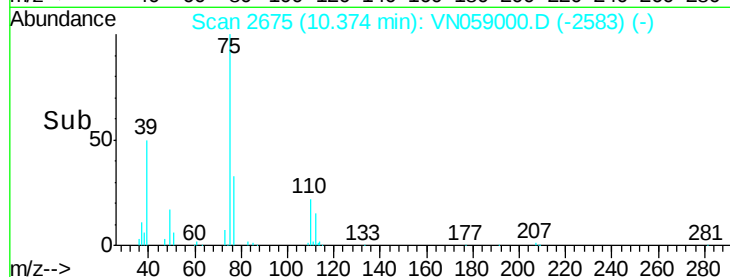
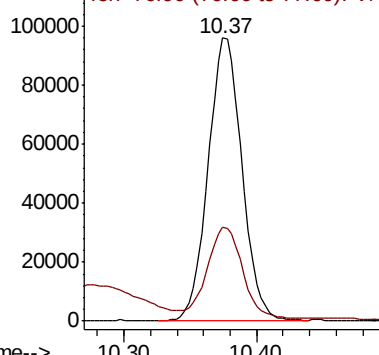
75 100

77 32.2 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.219 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

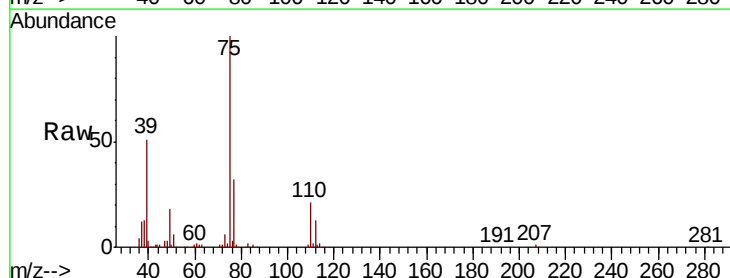
Tgt Ion: 75 Resp: 184286

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

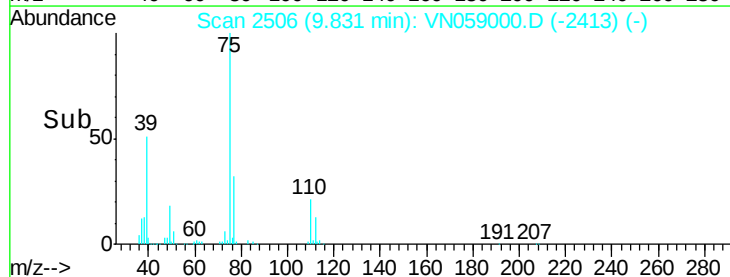
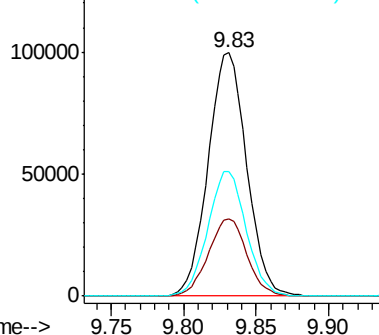
39 51.3 43.5 65.3

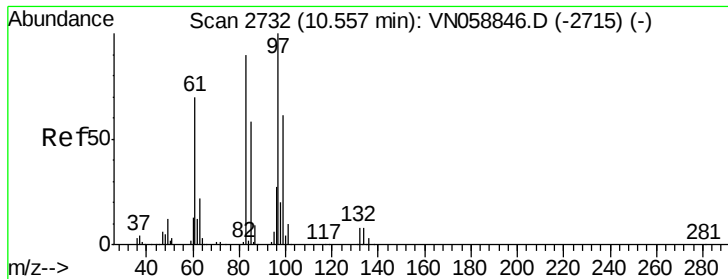


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.983 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 105353

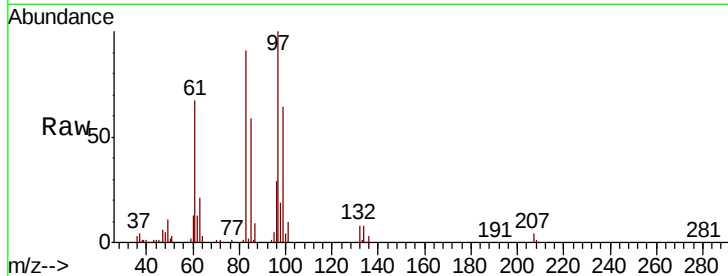
Ion Ratio Lower Upper

97 100

83 90.8 72.2 108.4

85 59.1 46.2 69.2

99 64.0 48.7 73.1

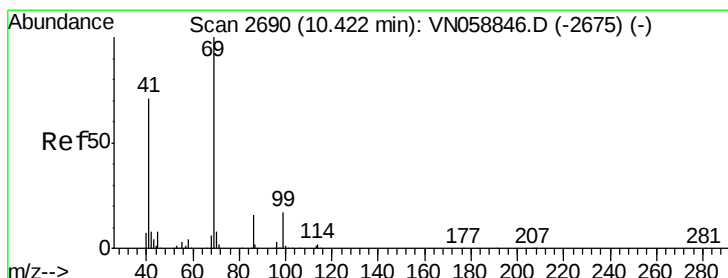
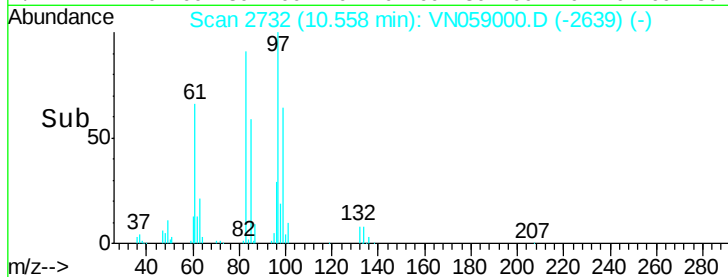
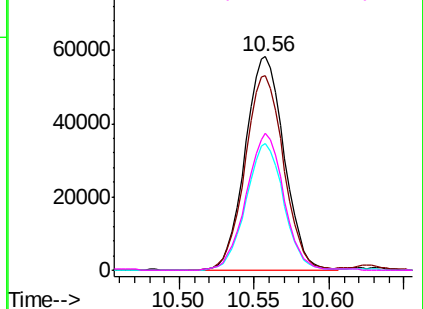


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.137 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

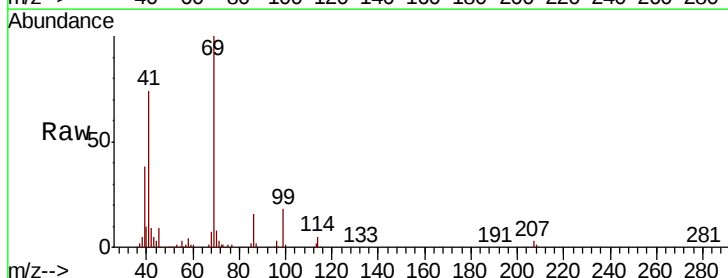
Tgt Ion: 69 Resp: 158805

Ion Ratio Lower Upper

69 100

41 71.9 57.2 85.8

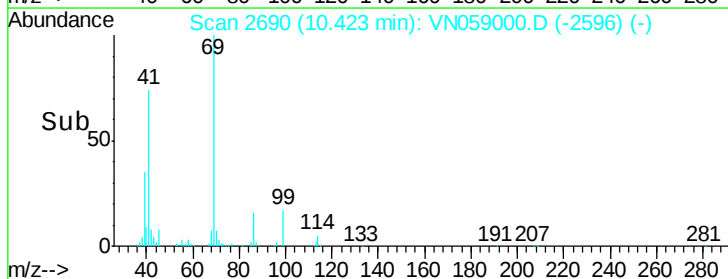
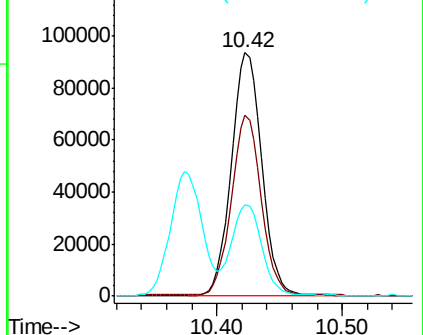
39 37.3 31.0 46.4

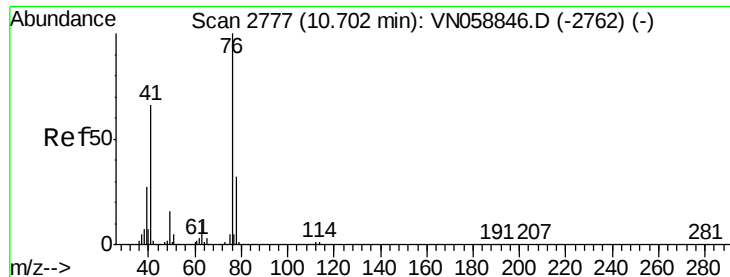


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

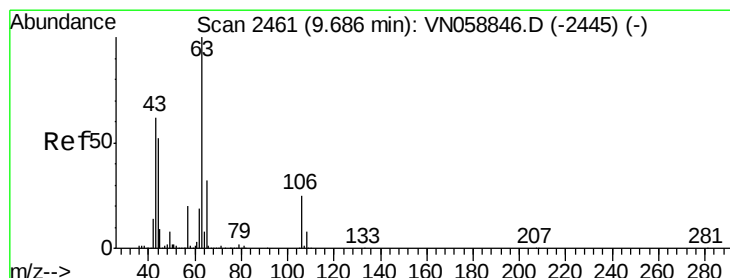
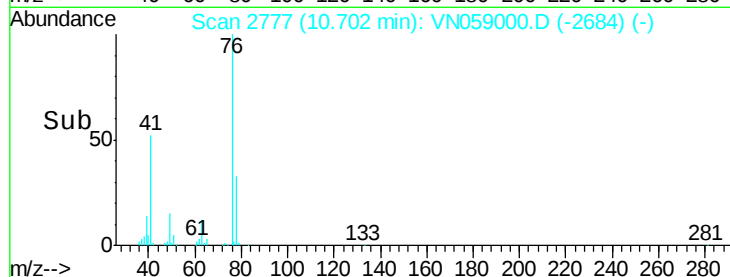
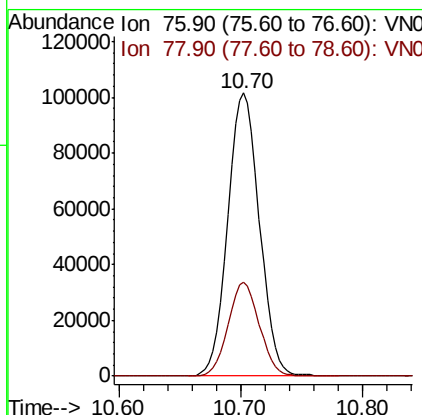
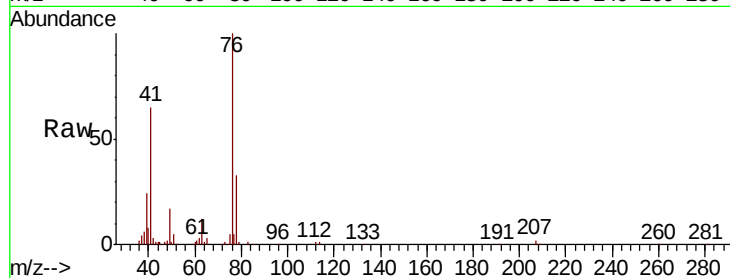




#57
 1,3-Dichloropropane
 Concen: 20.889 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

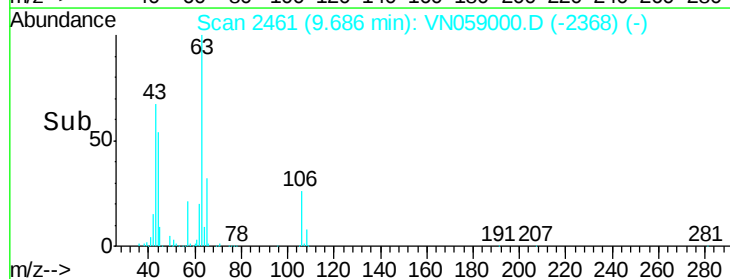
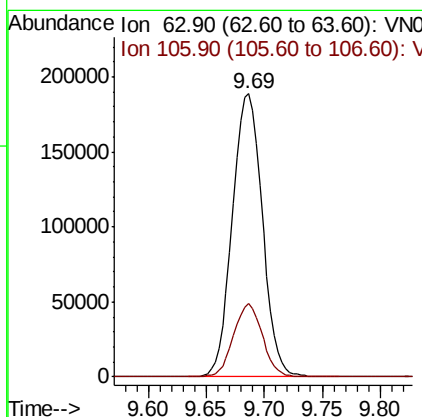
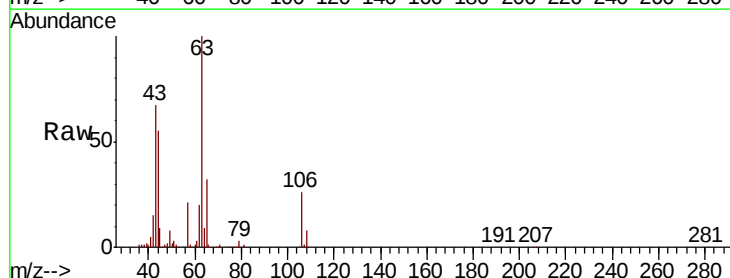
Instrument :
 MSVOA_N
 ClientSampled :

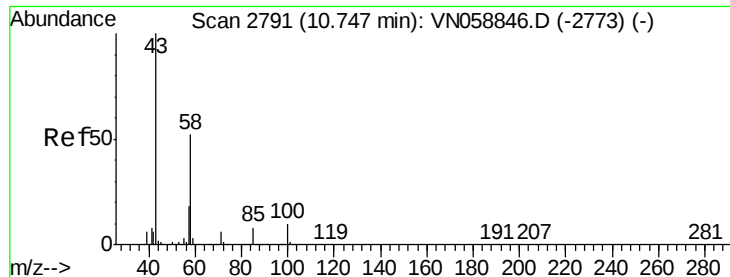
Tot Ion: 76 Resp: 184079
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.790 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion: 63 Resp: 339353
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.8

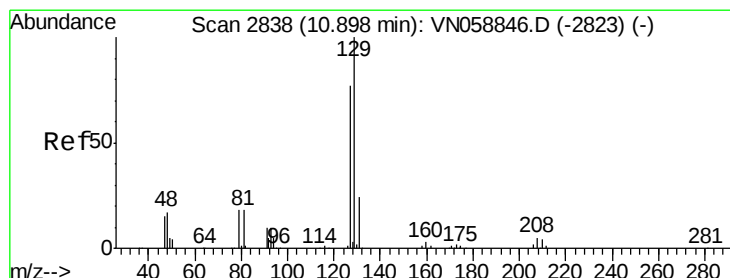
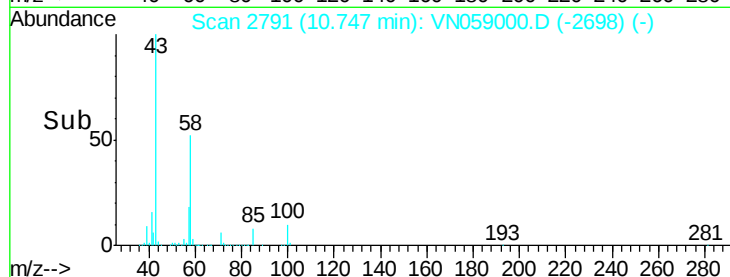
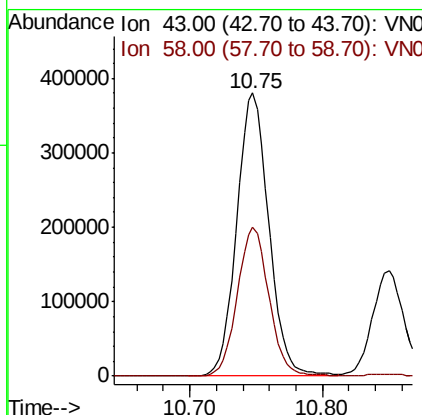
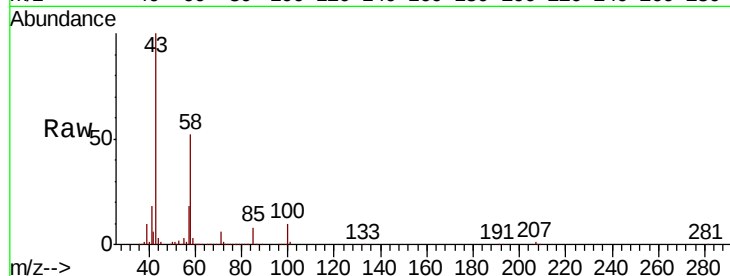




#59
2-Hexanone
Concen: 115.005 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

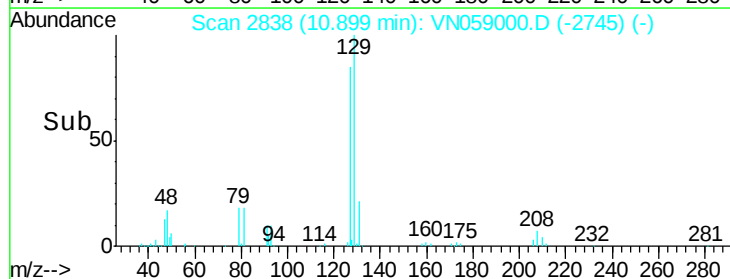
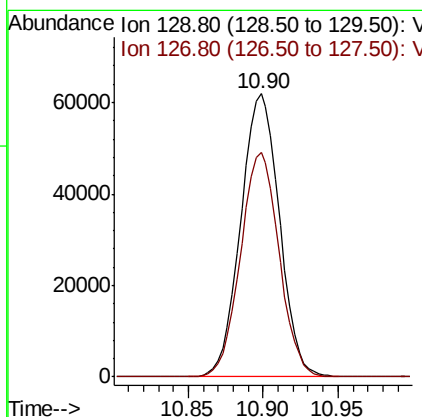
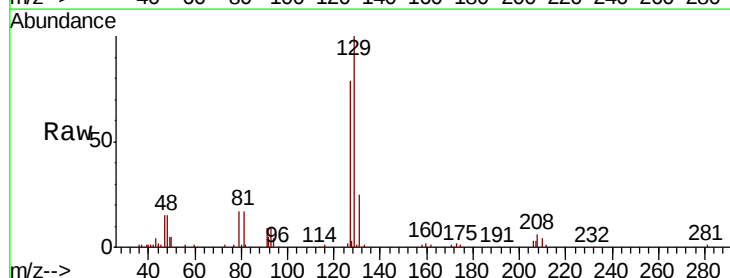
Instrument :
MSVOA_N
ClientSampled :

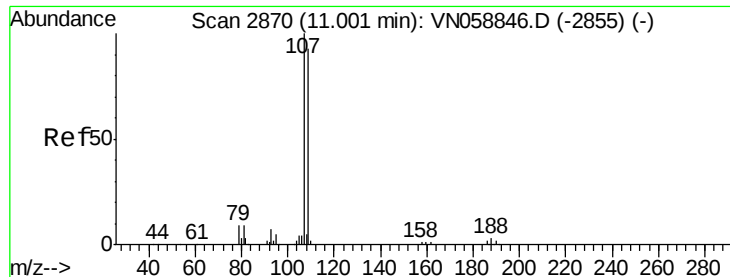
Tot Ion: 43 Resp: 634875
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7



#60
Dibromochloromethane
Concen: 20.635 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 129 Resp: 111517
Ion Ratio Lower Upper
129 100
127 78.9 39.1 117.3

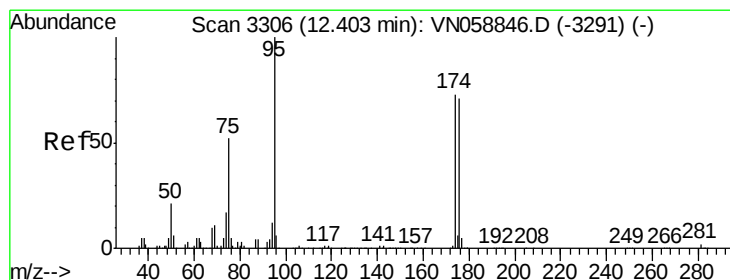
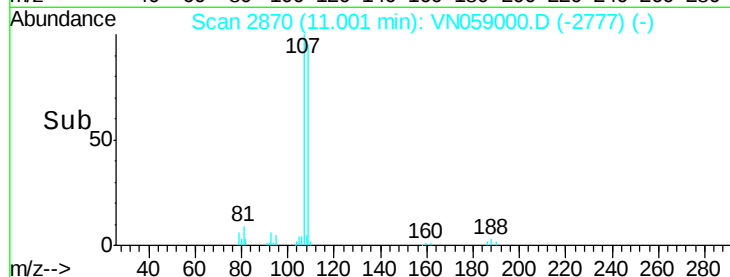
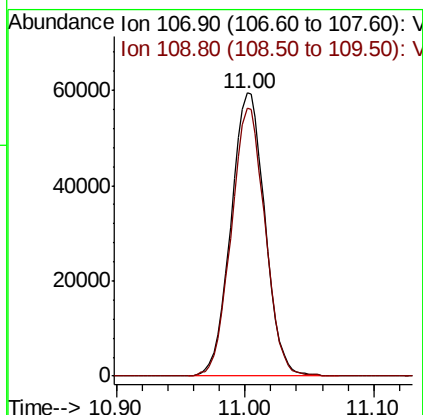
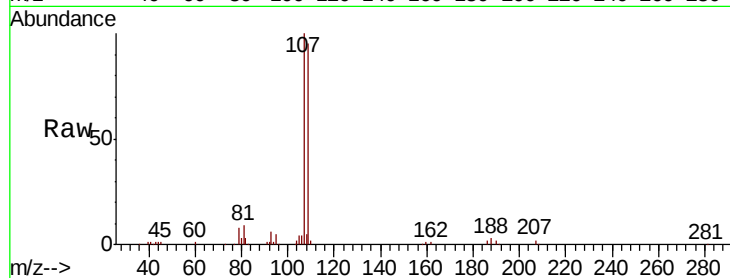




#61
 1,2-Dibromoethane
 Concen: 21.194 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

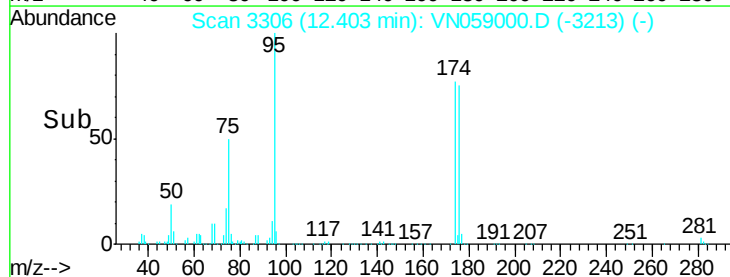
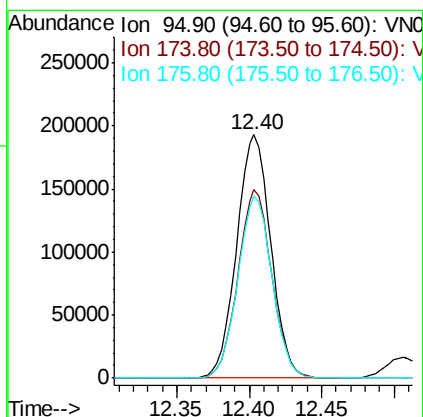
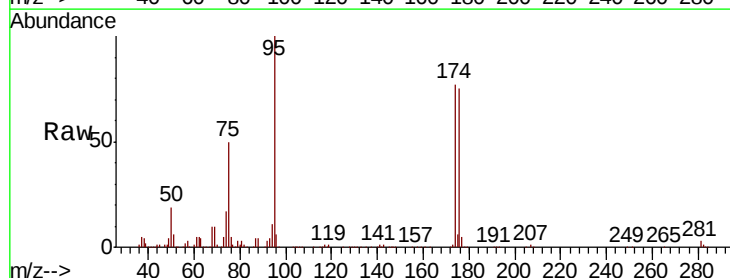
Instrument :
 MSVOA_N
 ClientSampleId :

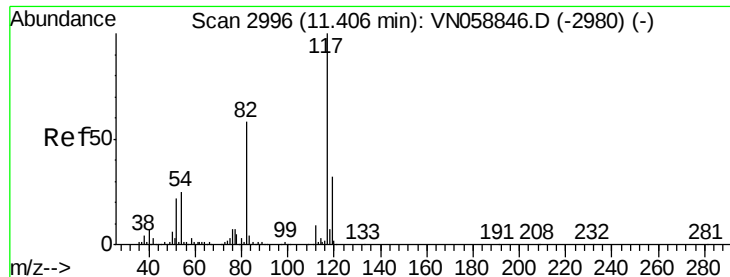
Tot Ion: 107 Resp: 108899
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.199 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion: 95 Resp: 315235
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 147.6
 176 75.1 0.0 143.2

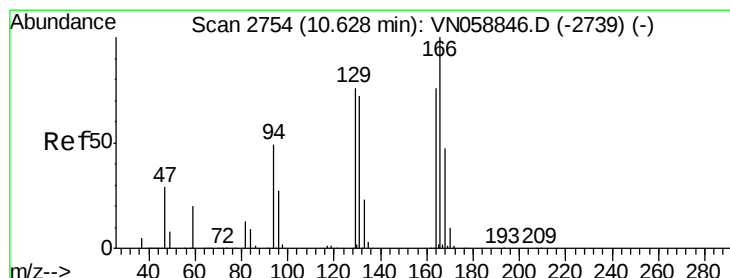
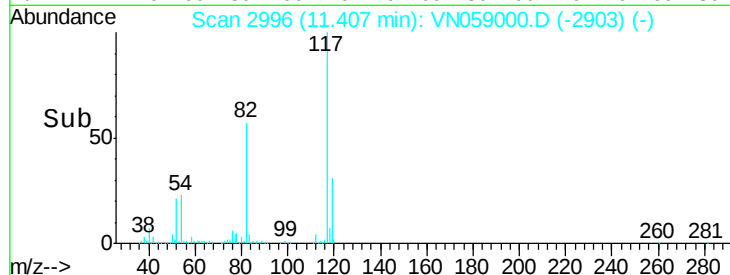
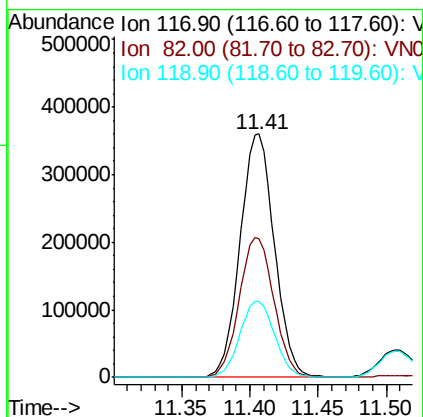
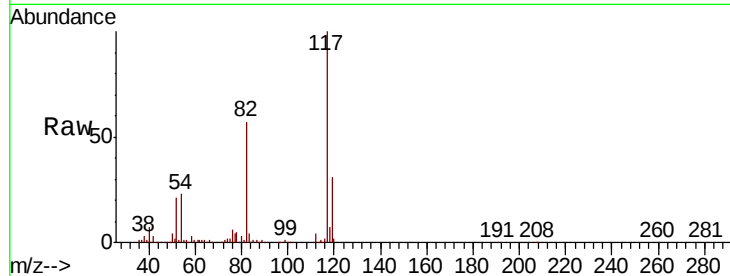




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

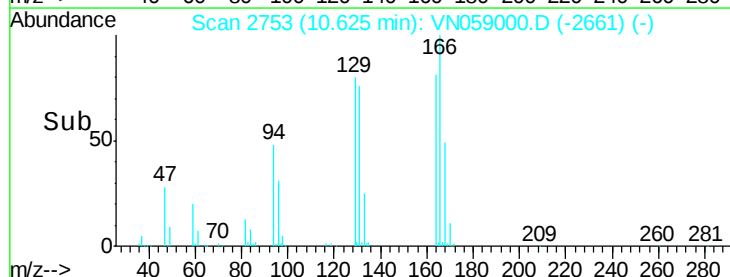
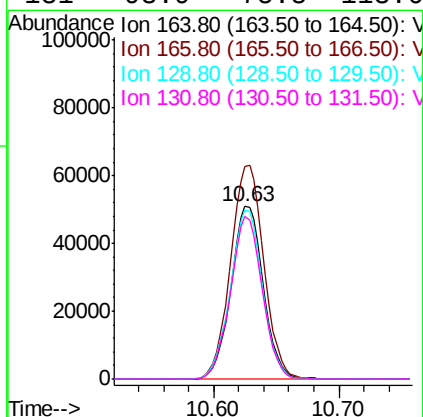
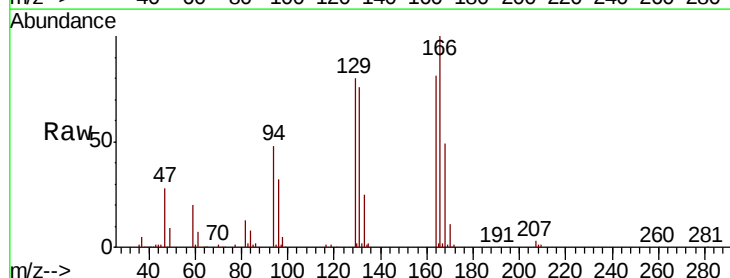
Instrument :
MSVOA_N
ClientSampled :

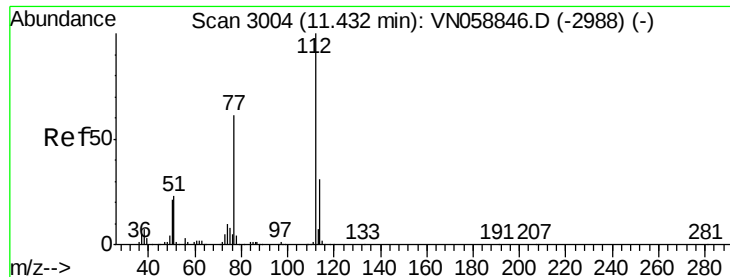
Tot Ion:117 Resp: 628807
Ion Ratio Lower Upper
117 100
82 56.7 46.6 69.8
119 31.3 25.6 38.4



#64
Tetrachloroethene
Concen: 20.612 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion:164 Resp: 90768
Ion Ratio Lower Upper
164 100
166 122.8 104.8 157.2
129 98.1 79.3 118.9
131 93.9 75.8 113.6

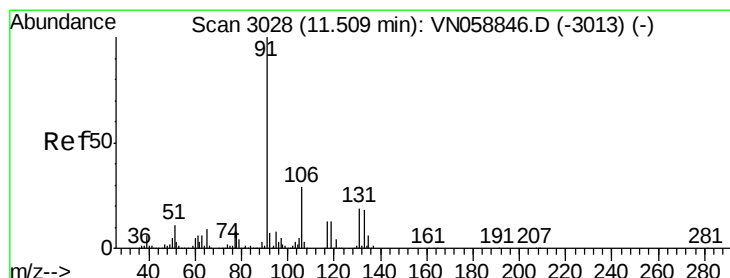
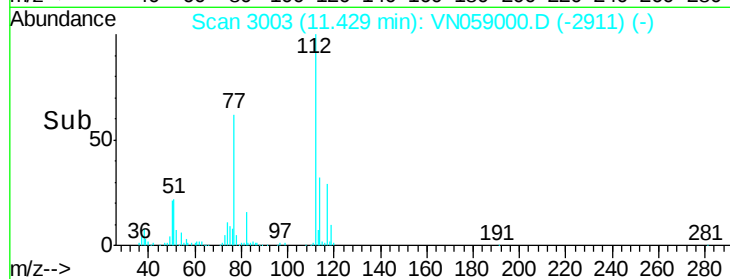
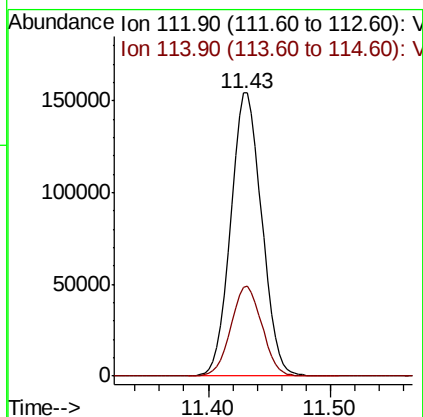
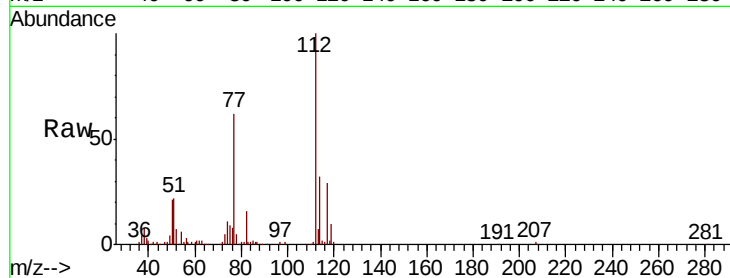




#65
Chlorobenzene
Concen: 21.328 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

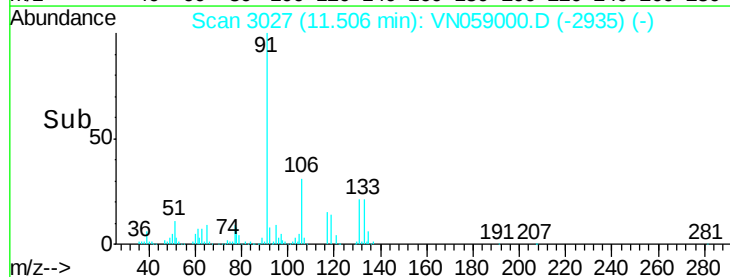
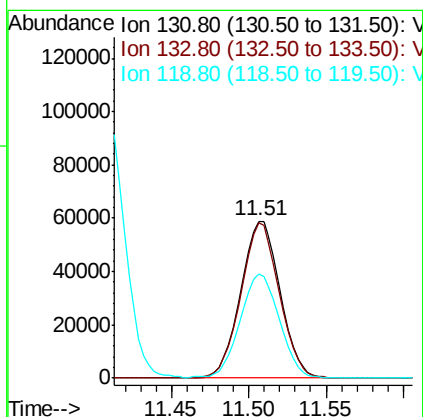
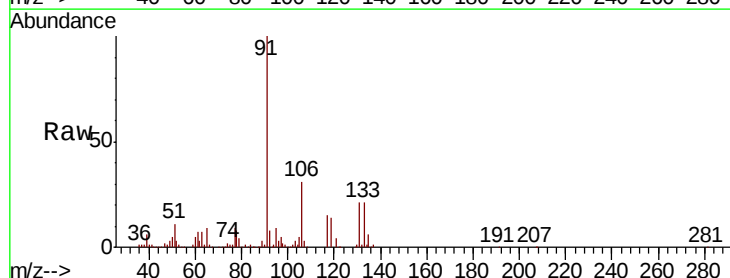
Instrument :
MSVOA_N
ClientSampleId :

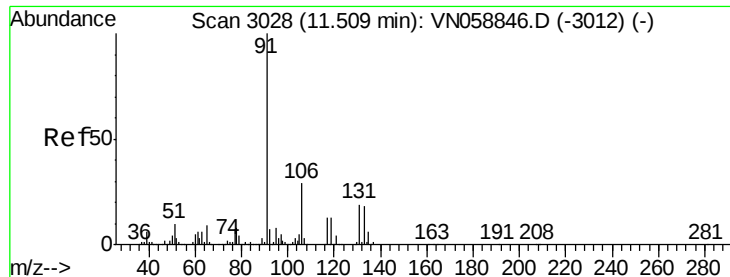
Tot Ion:112 Resp: 273033
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.542 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion:131 Resp: 104066
Ion Ratio Lower Upper
131 100
133 97.1 48.4 145.2
119 66.7 33.6 100.8





#67

Ethyl Benzene

Concen: 22.096 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

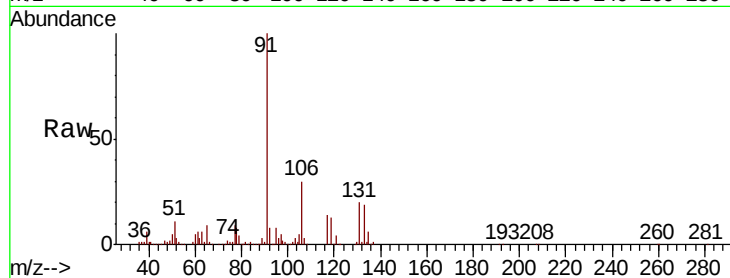
ClientSampled :

Tot Ion: 91 Resp: 496206

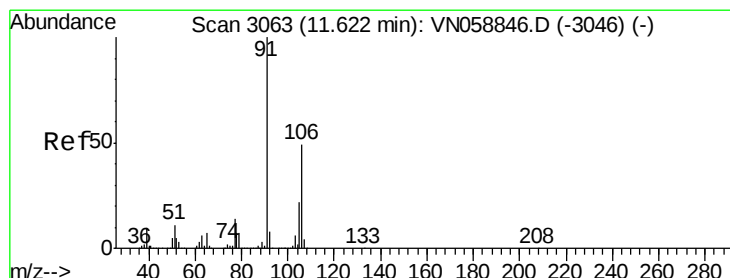
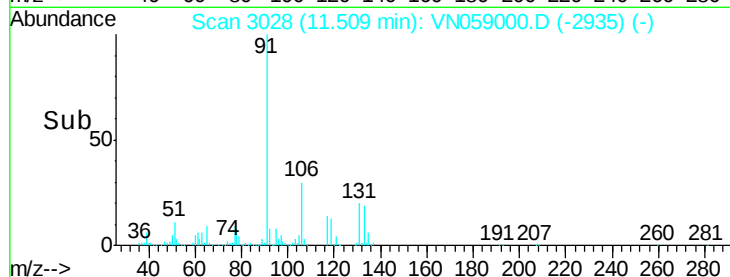
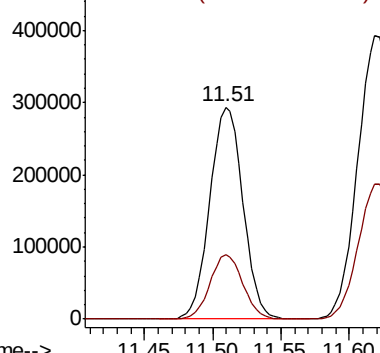
Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 43.393 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059000.D

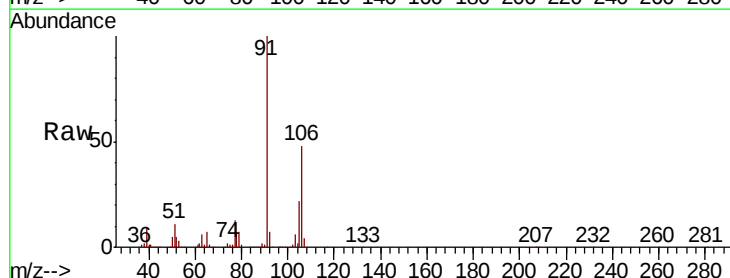
Acq: 29 Oct 2019 11:21

Tgt Ion: 106 Resp: 361385

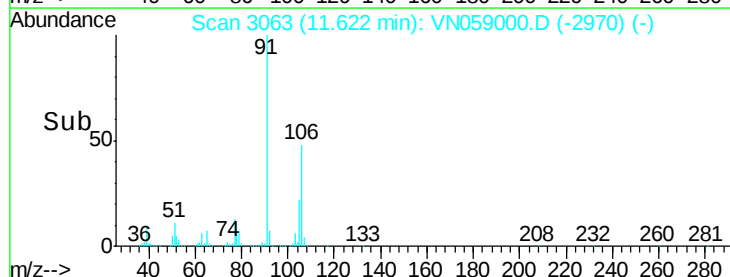
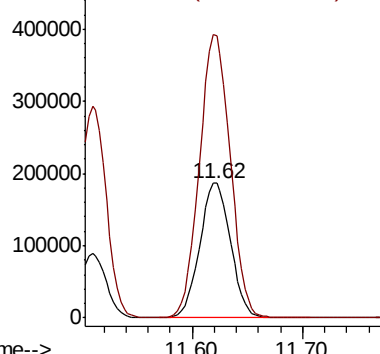
Ion Ratio Lower Upper

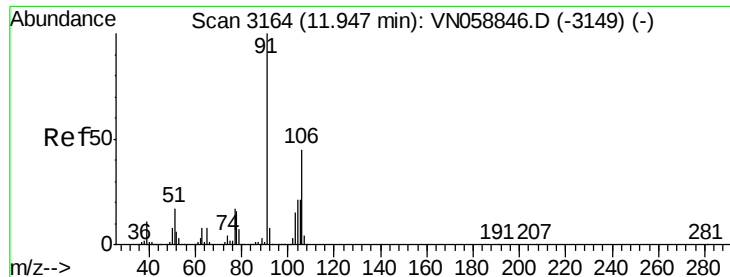
106 100

91 210.0 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

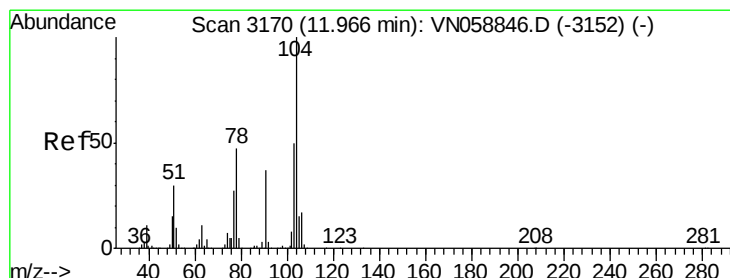
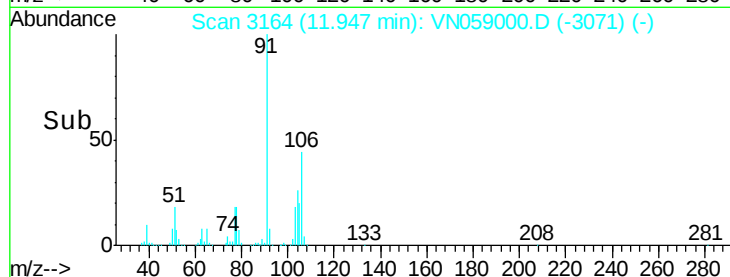
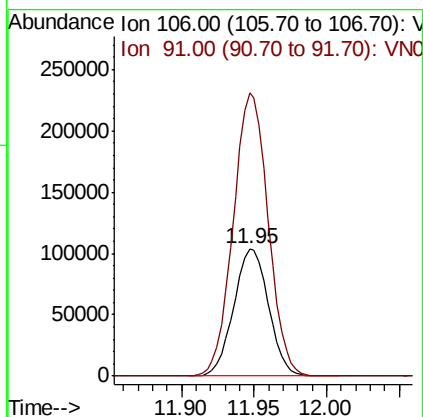
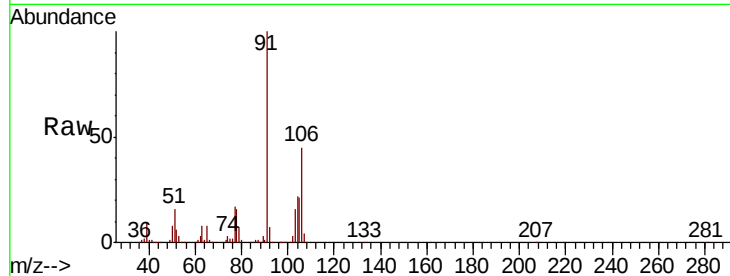




#69
o-Xylene
Concen: 21.795 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

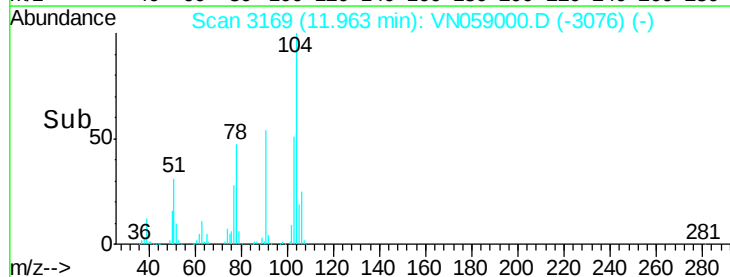
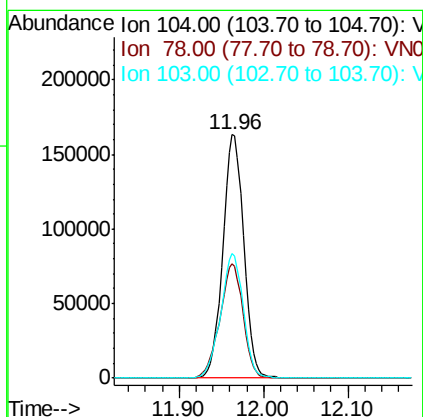
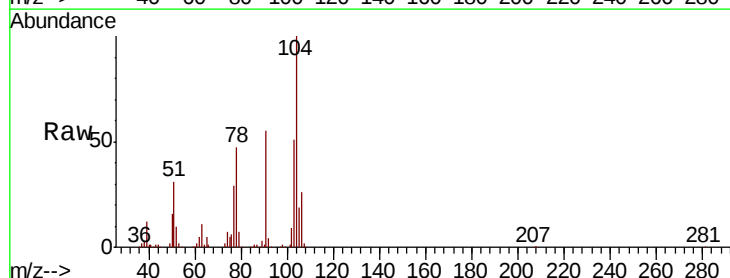
Instrument :
MSVOA_N
ClientSampled :

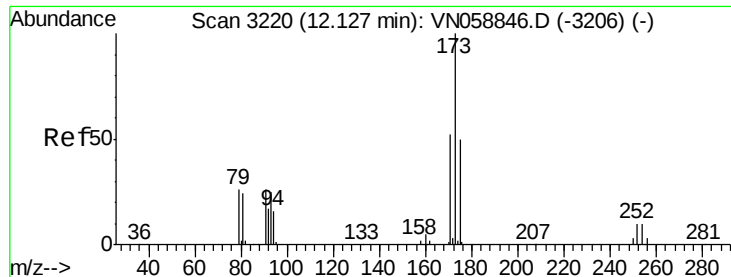
Tot Ion:106 Resp: 173112
Ion Ratio Lower Upper
106 100
91 223.1 111.5 334.4



#70
Styrene
Concen: 20.291 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion:104 Resp: 282029
Ion Ratio Lower Upper
104 100
78 51.8 42.8 64.2
103 55.0 44.3 66.5





#71

Bromoform

Concen: 21.237 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampled :

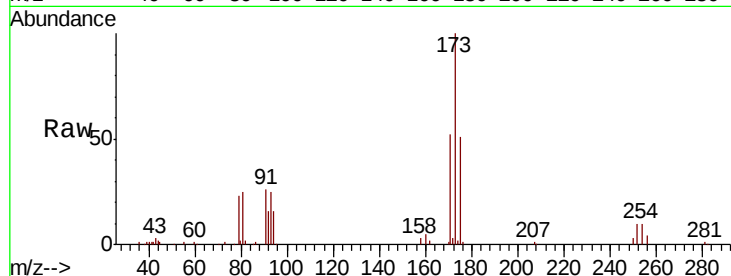
Tot Ion:173 Resp: 79553

Ion Ratio Lower Upper

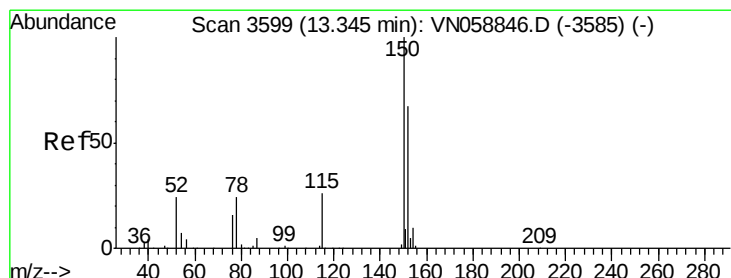
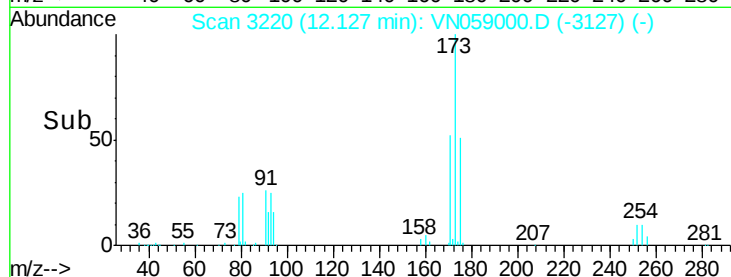
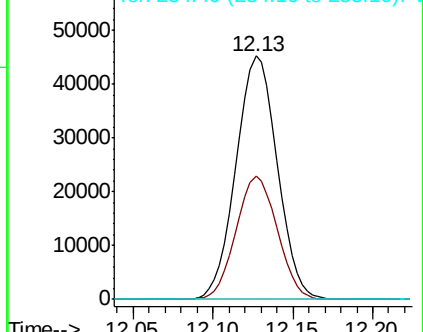
173 100

175 50.5 24.7 74.1

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

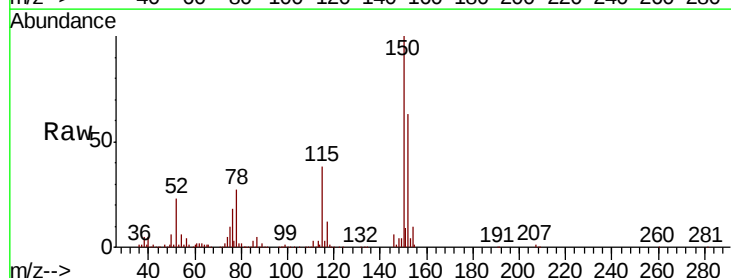
Tgt Ion:152 Resp: 295551

Ion Ratio Lower Upper

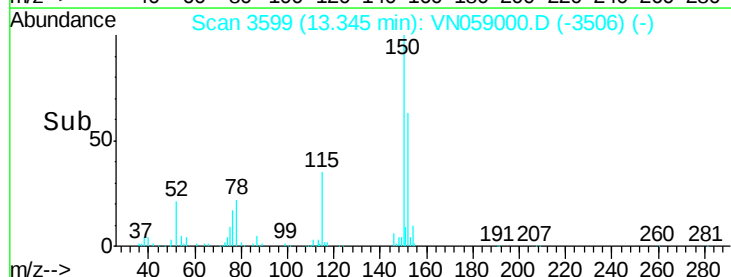
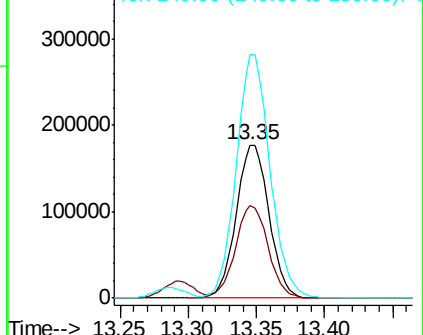
152 100

115 60.2 30.5 91.5

150 163.6 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.742 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

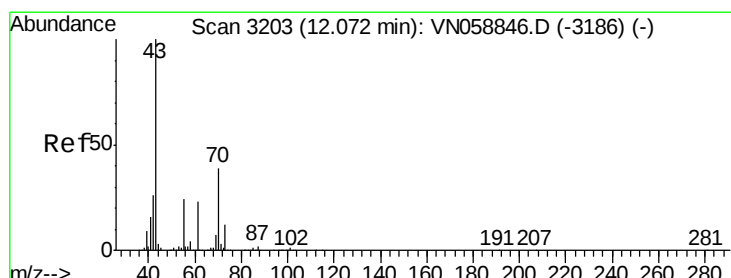
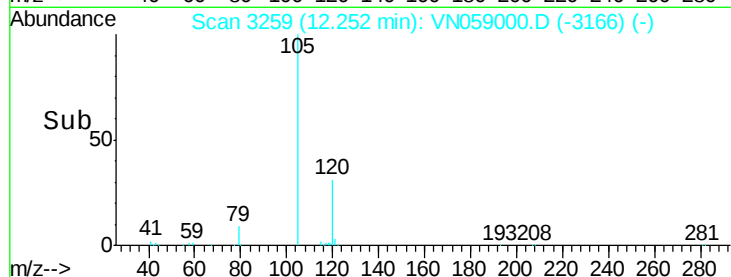
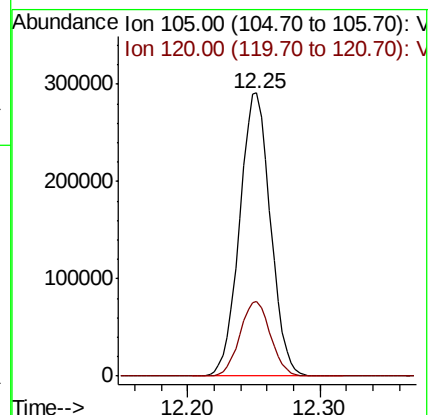
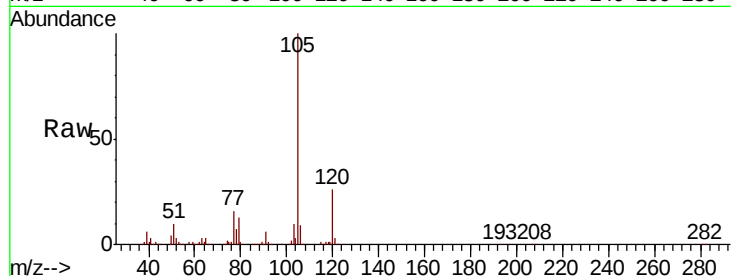
ClientSampleId :

Tot Ion: 105 Resp: 469616

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#74

N-ethyl acetate

Concen: 21.999 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Tgt Ion: 43 Resp: 215417

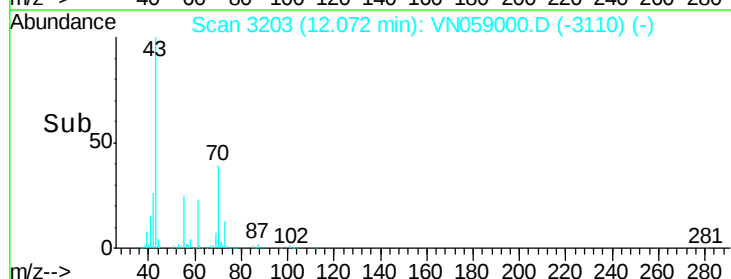
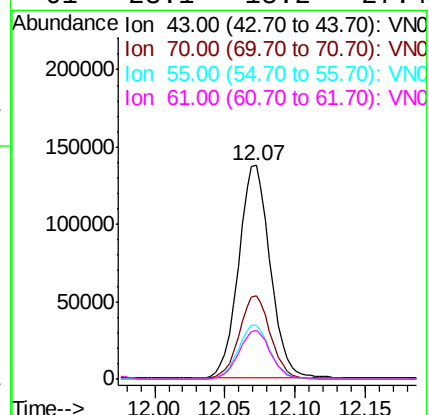
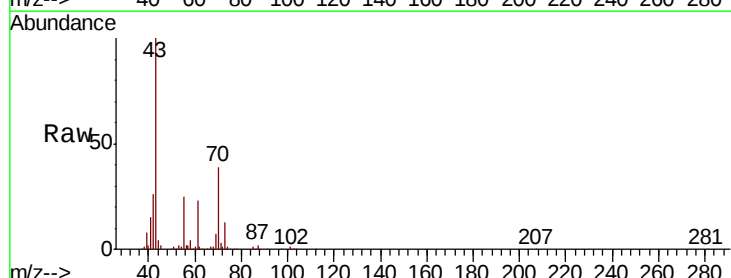
Ion Ratio Lower Upper

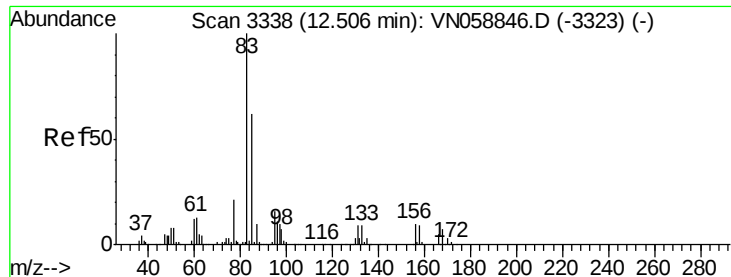
43 100

70 39.2 30.9 46.3

55 25.8 19.7 29.5

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.123 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

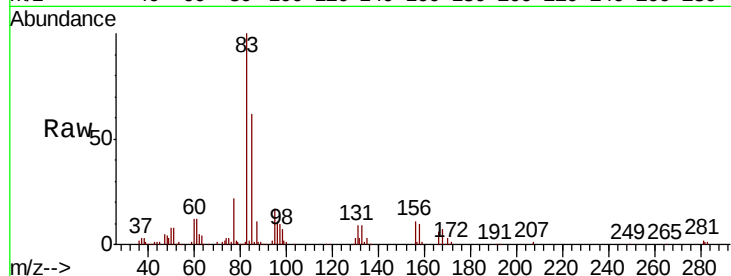
Tot Ion: 83 Resp: 168015

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.1
85	63.1	31.7	95.1

83 100

131 9.2 4.7 14.1

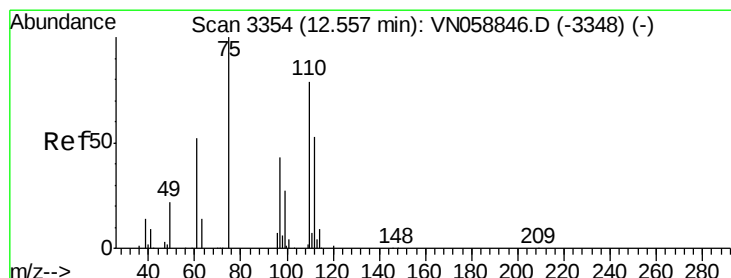
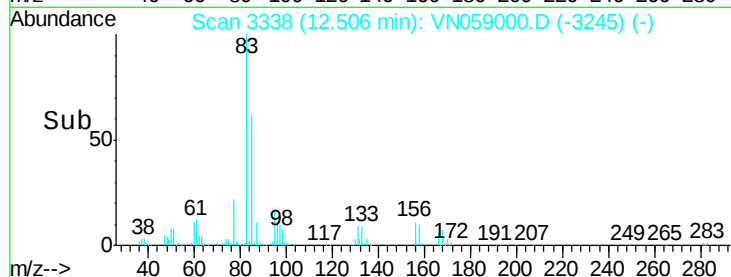
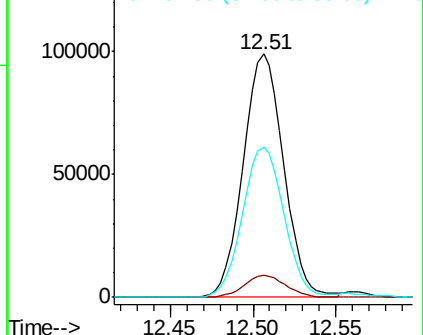
85 63.1 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.513 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059000.D

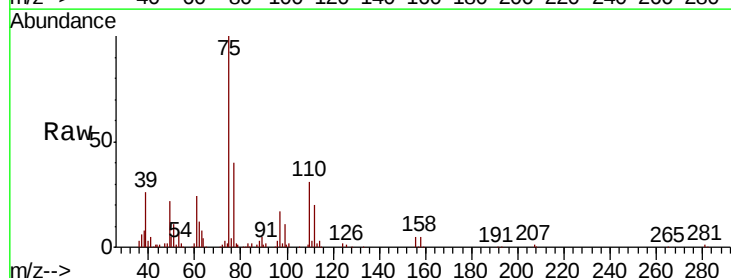
Acq: 29 Oct 2019 11:21

Tgt Ion: 75 Resp: 222706

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

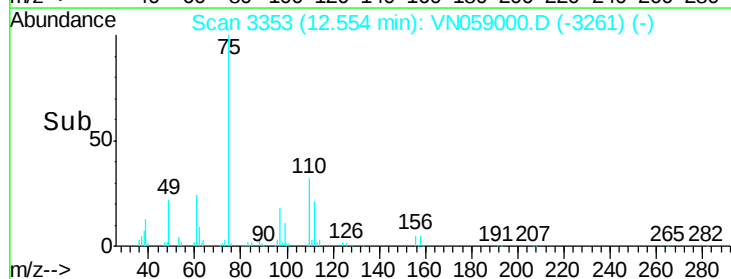
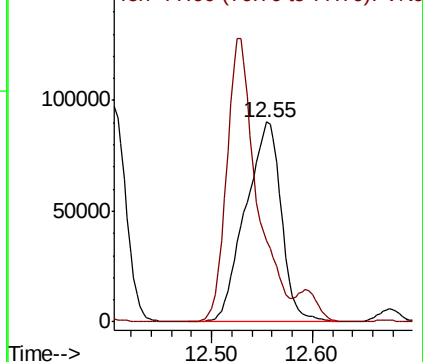
75 100

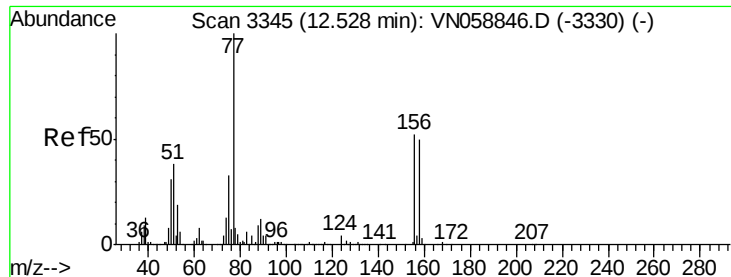
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.387 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

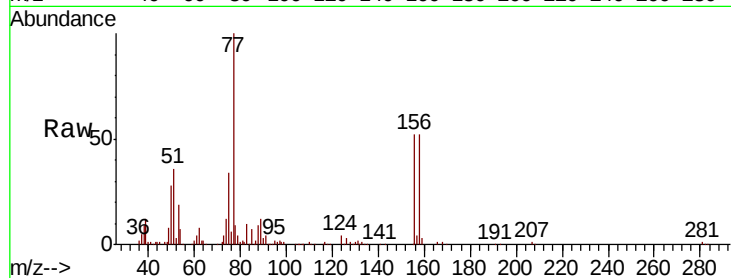
Tot Ion:156 Resp: 113859

Ion Ratio Lower Upper

156 100

77 235.6 118.0 354.0

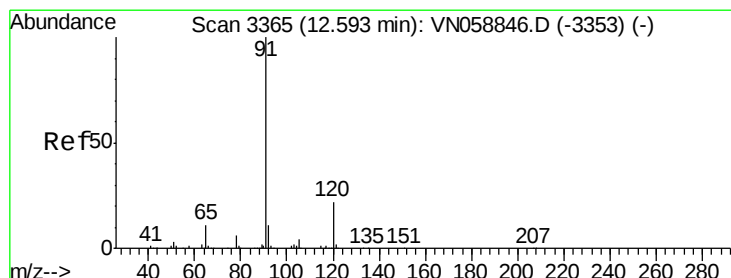
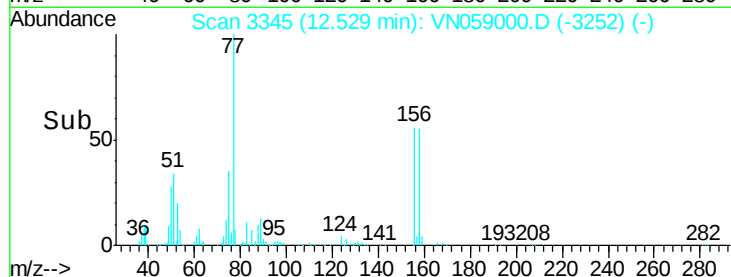
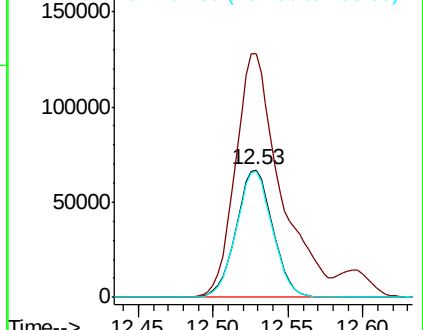
158 97.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.809 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059000.D

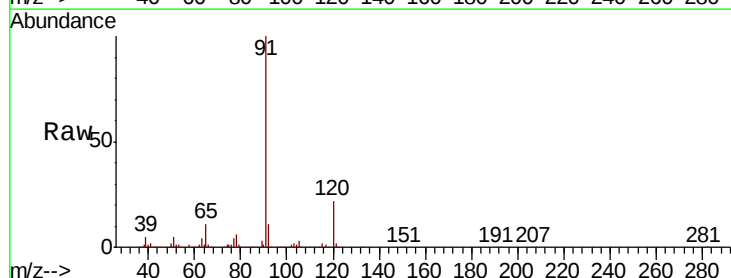
Acq: 29 Oct 2019 11:21

Tgt Ion: 91 Resp: 556820

Ion Ratio Lower Upper

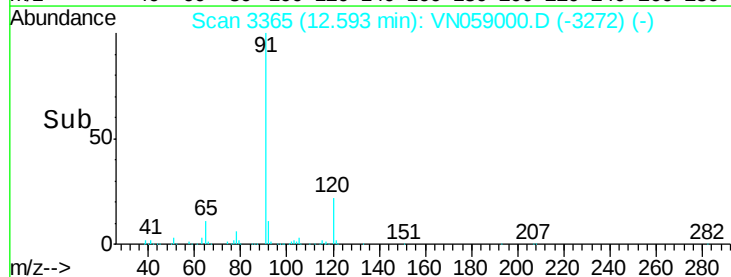
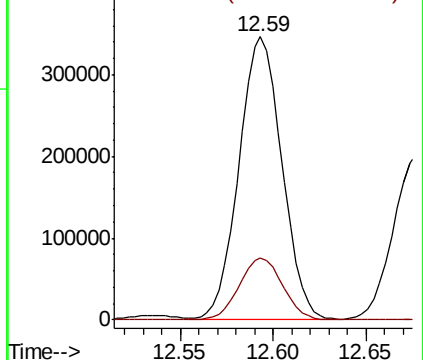
91 100

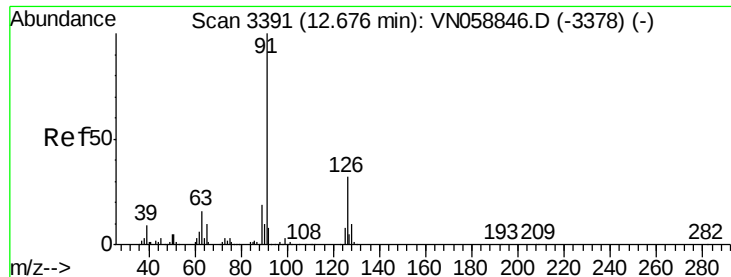
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.495 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

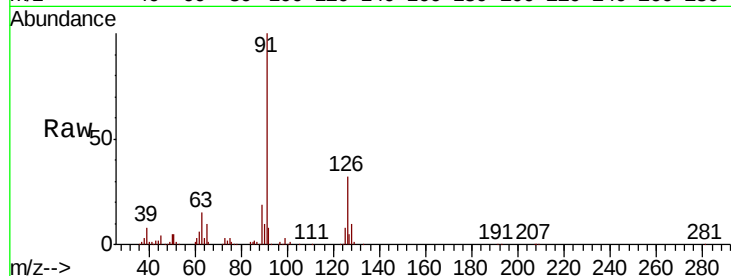
ClientSampled :

Tot Ion: 91 Resp: 335885

Ion Ratio Lower Upper

91 100

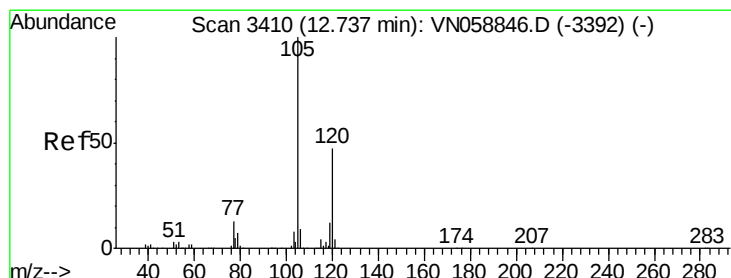
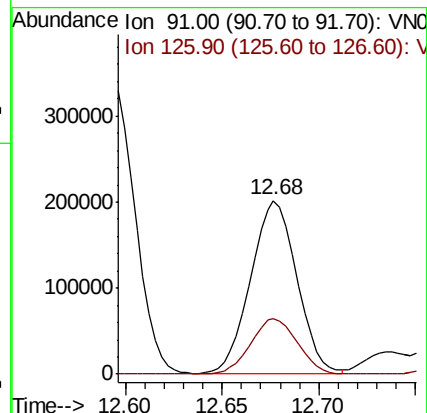
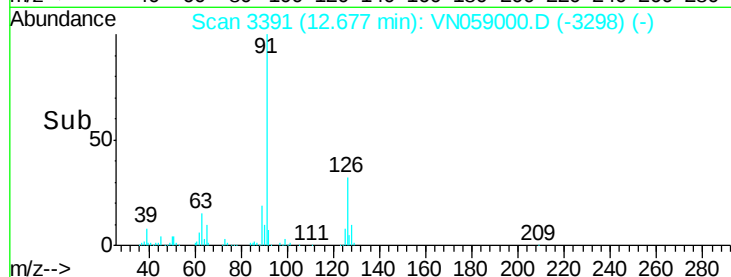
126 32.4 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.975 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059000.D

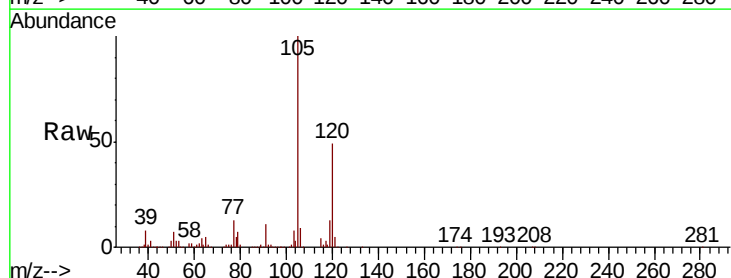
Acq: 29 Oct 2019 11:21

Tgt Ion: 105 Resp: 398780

Ion Ratio Lower Upper

105 100

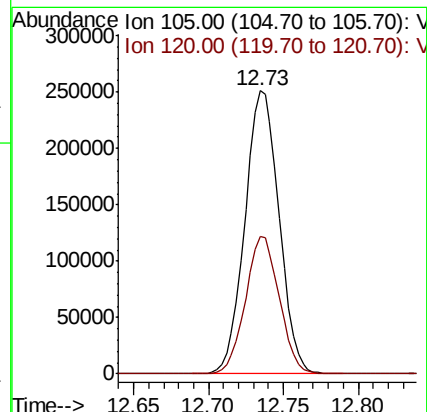
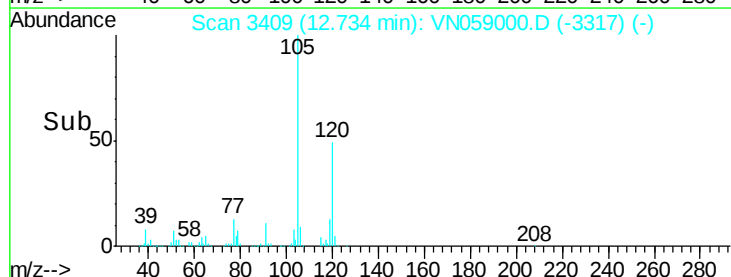
120 48.1 23.8 71.5

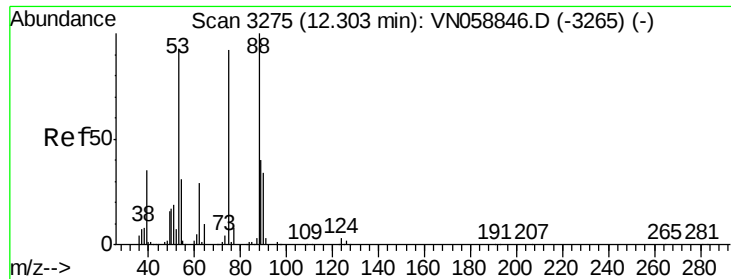


Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

Time-->

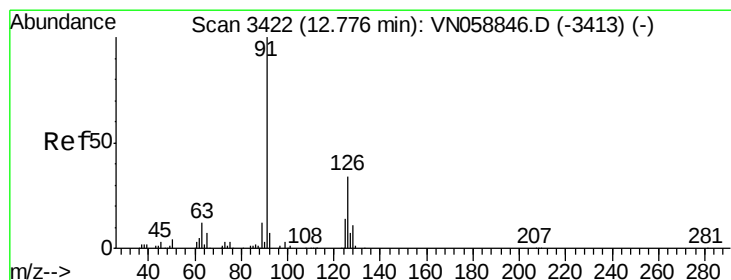
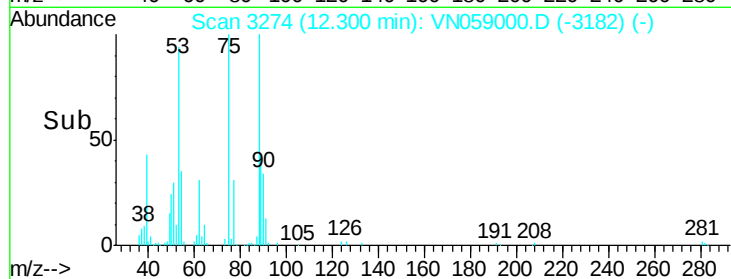
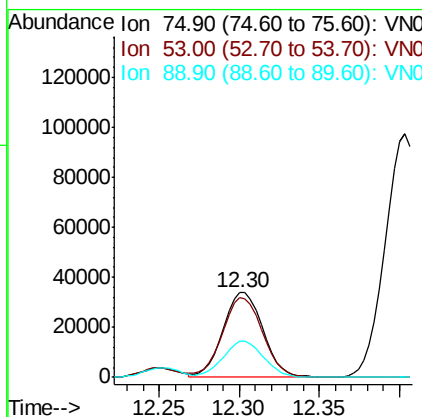
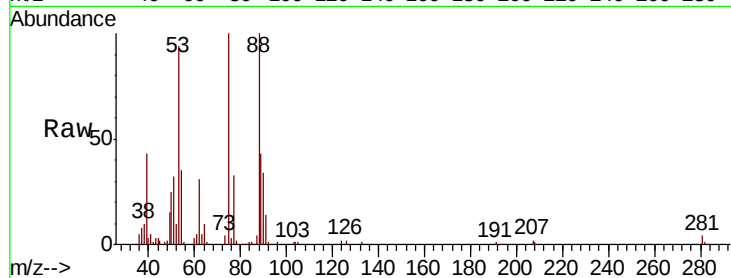




#81
trans-1,4-Dichloro-2-butene
Concen: 21.503 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

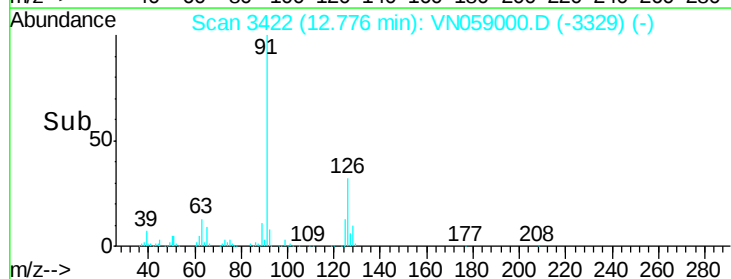
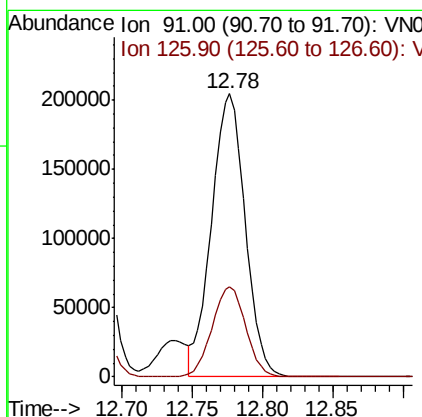
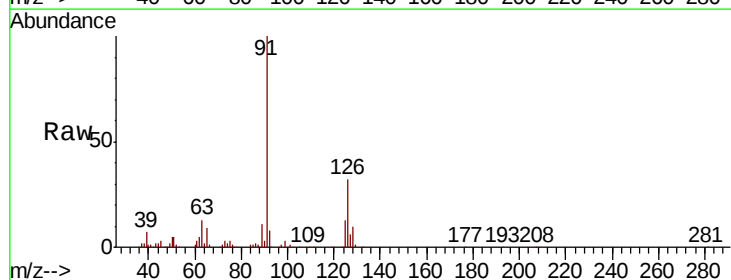
Instrument :
MSVOA_N
ClientSampleId :

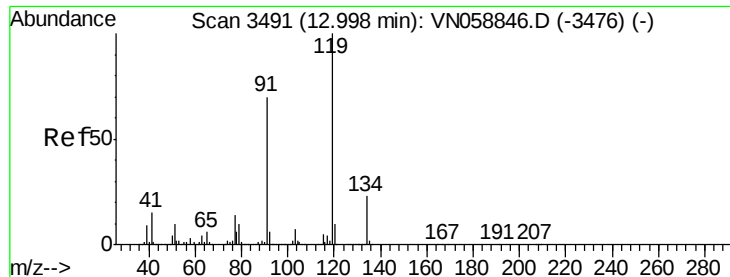
Tot Ion: 75 Resp: 56540
Ion Ratio Lower Upper
75 100
53 98.0 78.6 118.0
89 44.1 35.4 53.0



#82
4-Chlorotoluene
Concen: 21.164 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 91 Resp: 337957
Ion Ratio Lower Upper
91 100
126 31.9 16.0 47.9





#83

tert-Butylbenzene

Concen: 21.576 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

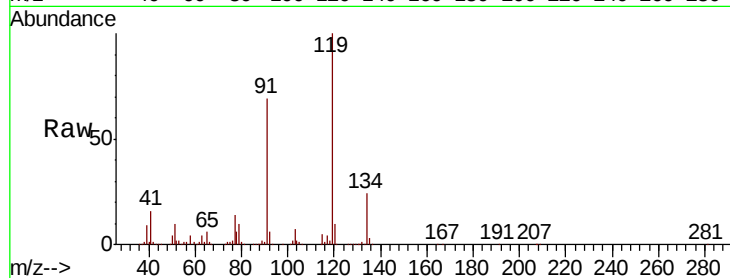
Tot Ion:119 Resp: 334828

Ion Ratio Lower Upper

119 100

91 68.9 34.1 102.3

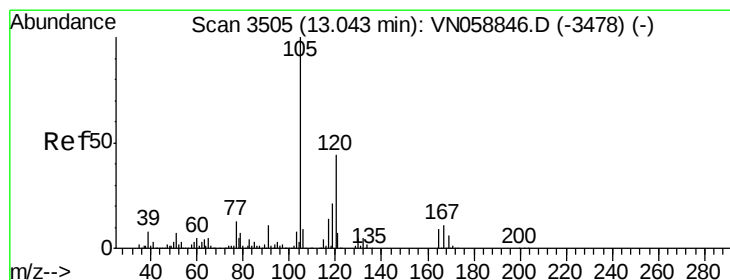
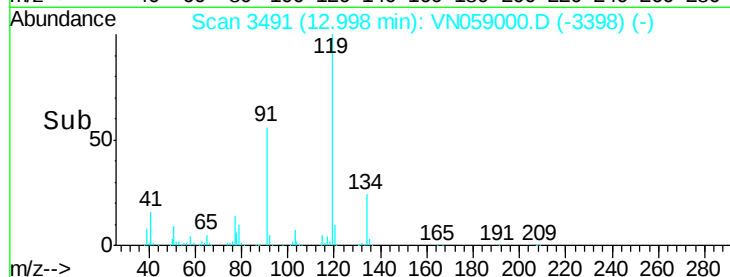
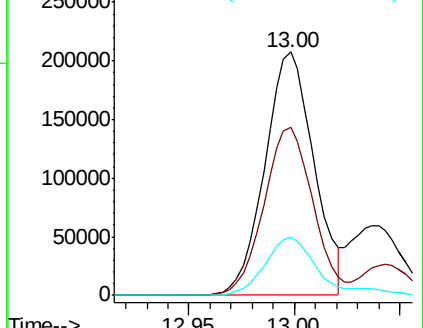
134 26.0 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.380 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059000.D

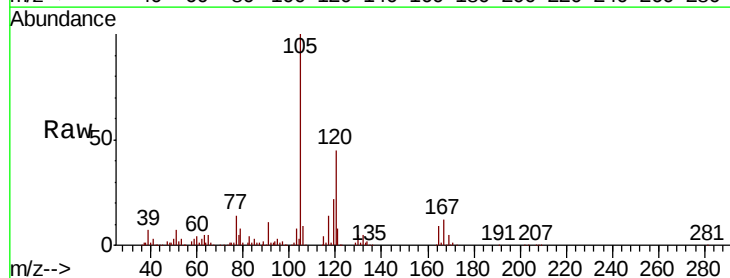
Acq: 29 Oct 2019 11:21

Tgt Ion:105 Resp: 400584

Ion Ratio Lower Upper

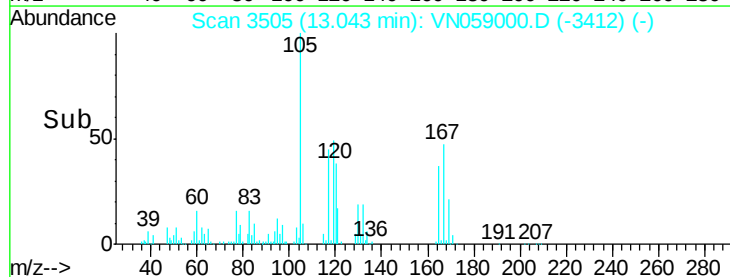
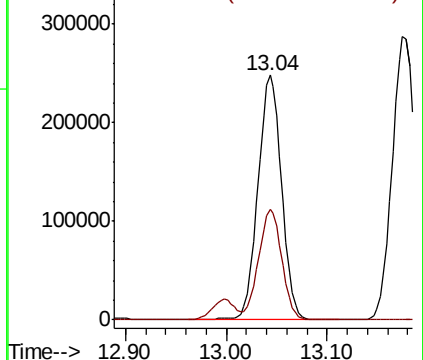
105 100

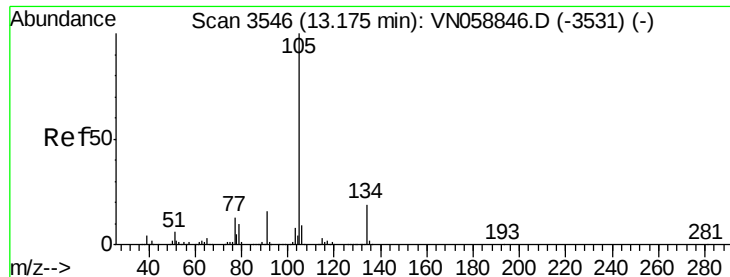
120 44.6 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.125 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

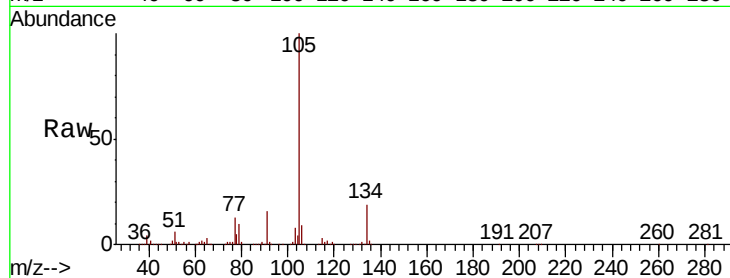
ClientSampleId :

Tot Ion:105 Resp: 457773

Ion Ratio Lower Upper

105 100

134 19.6 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

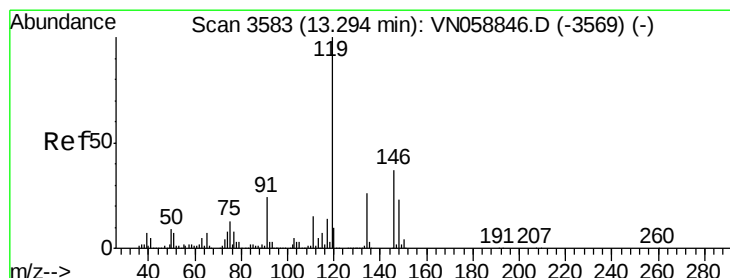
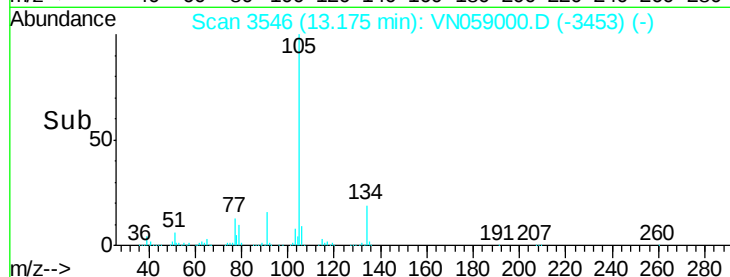
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.389 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

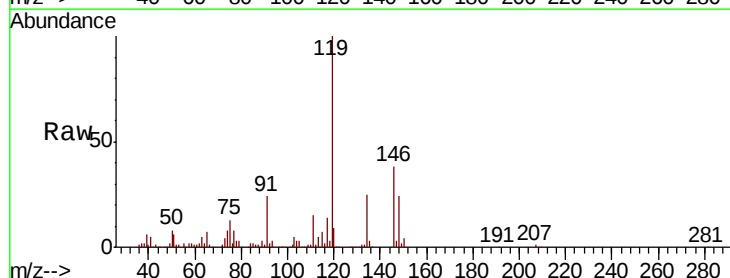
Tgt Ion:119 Resp: 408732

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 24.3 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

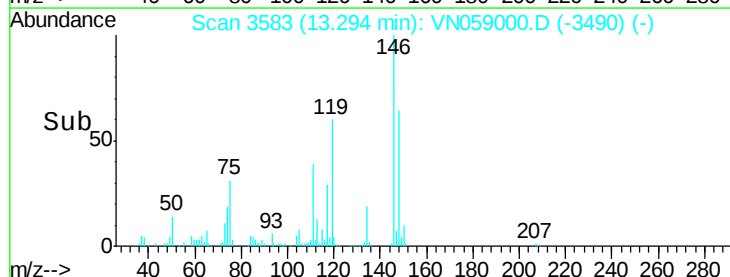
300000

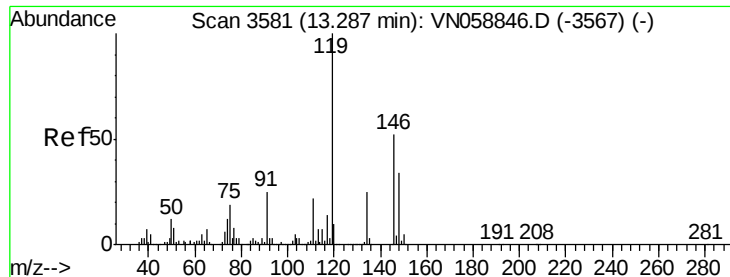
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.309 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampled :

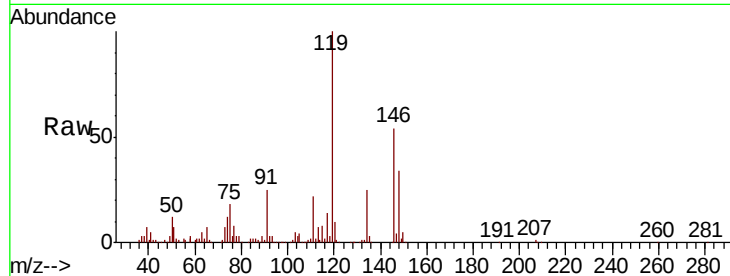
Tot Ion:146 Resp: 202847

Ion Ratio Lower Upper

146 100

111 40.6 21.0 63.0

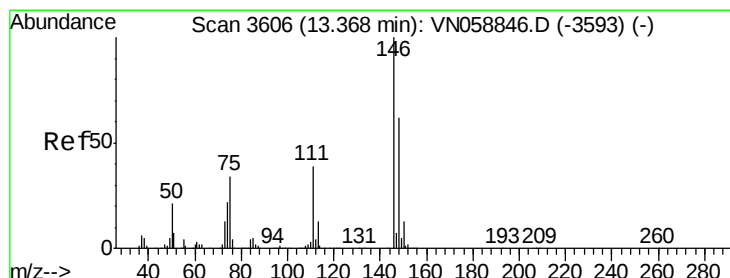
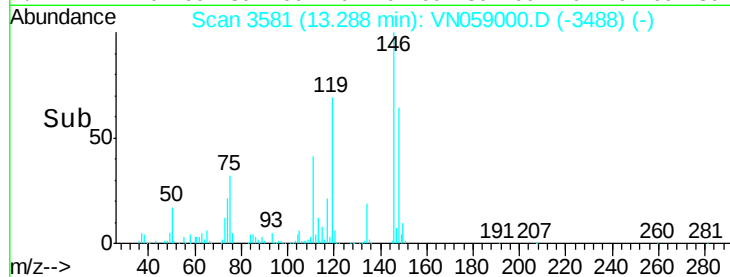
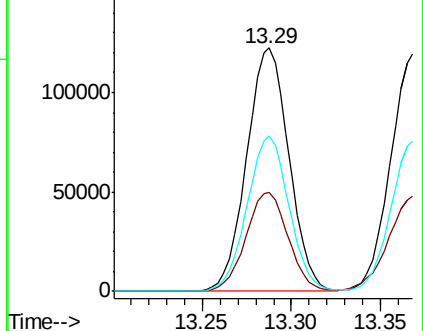
148 63.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.591 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

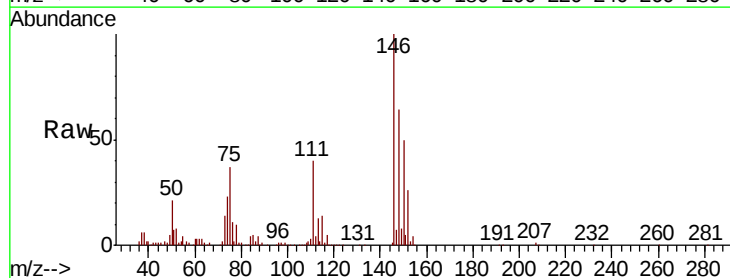
Tgt Ion:146 Resp: 196252

Ion Ratio Lower Upper

146 100

111 41.7 20.2 60.6

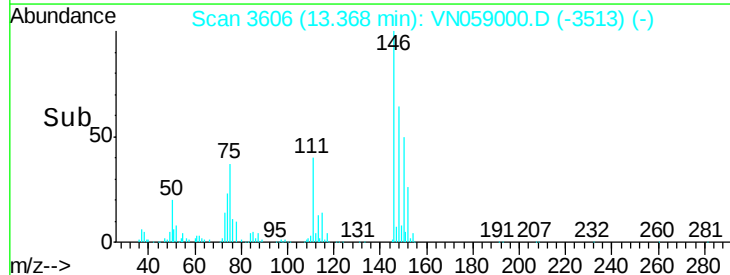
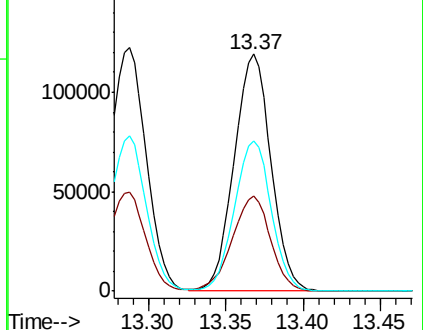
148 63.9 31.6 94.7

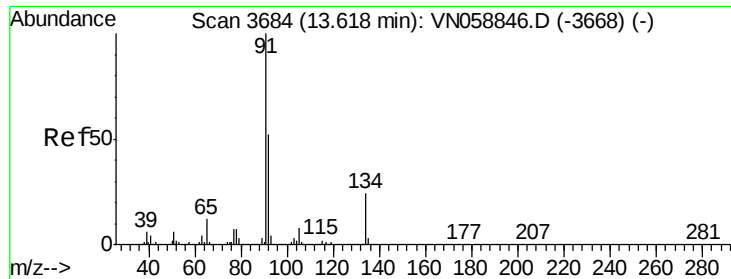


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

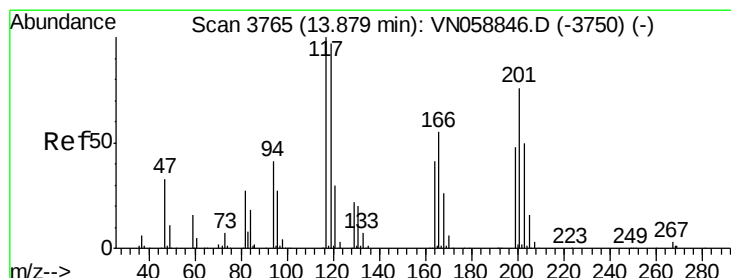
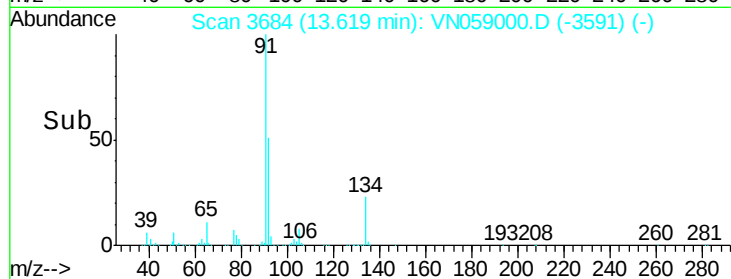
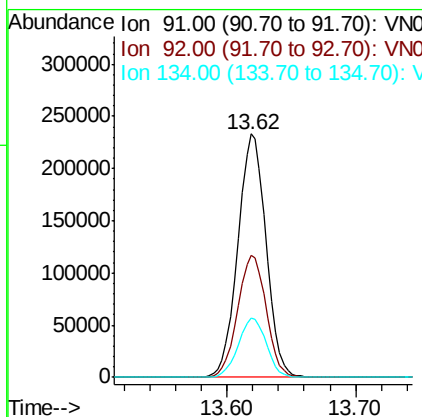
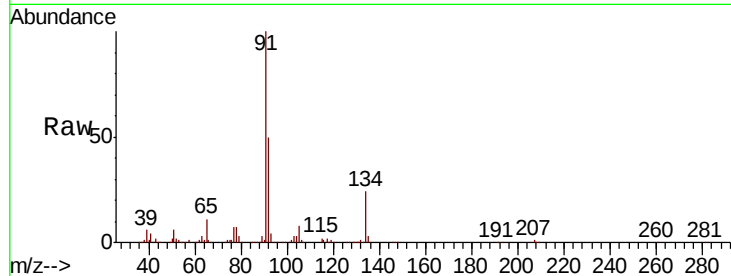




#89
n-Butylbenzene
Concen: 21.097 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

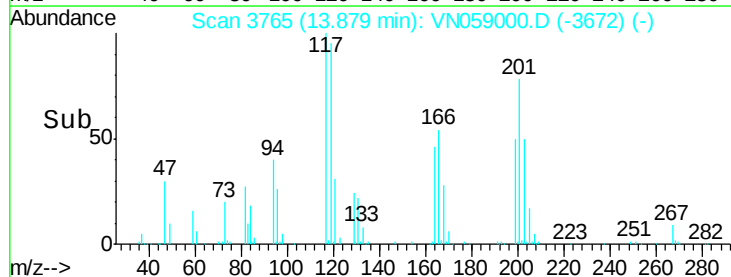
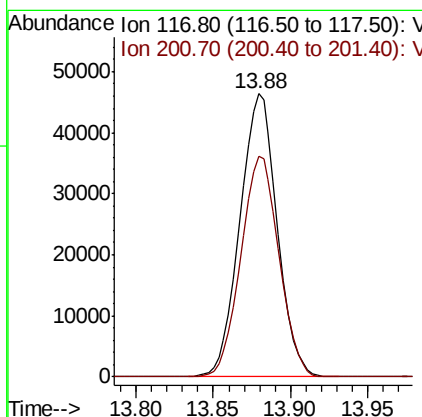
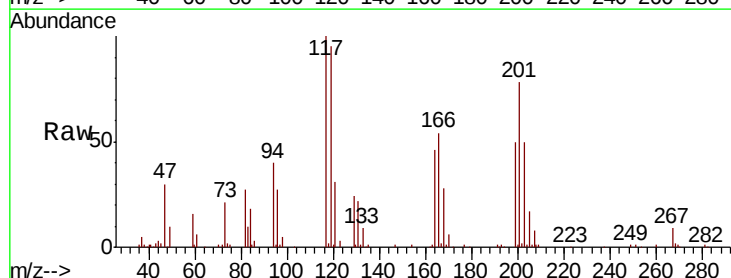
Instrument :
MSVOA_N
ClientSampleId :

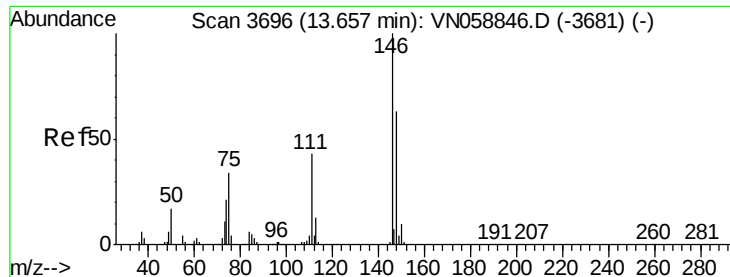
Tot Ion: 91 Resp: 353793
Ion Ratio Lower Upper
91 100
92 50.9 25.7 77.1
134 24.5 11.9 35.5



#90
Hexachloroethane
Concen: 20.940 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 117 Resp: 77461
Ion Ratio Lower Upper
117 100
201 79.8 38.9 116.6

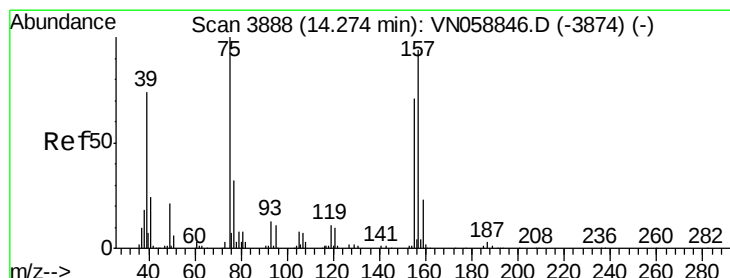
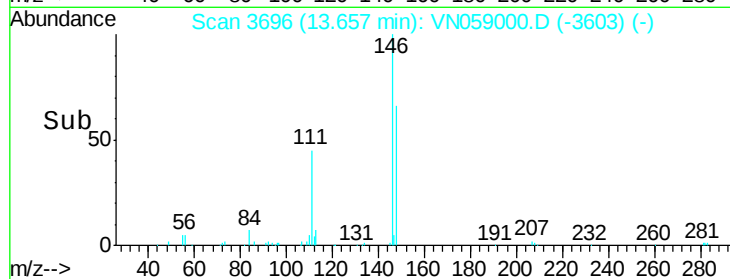
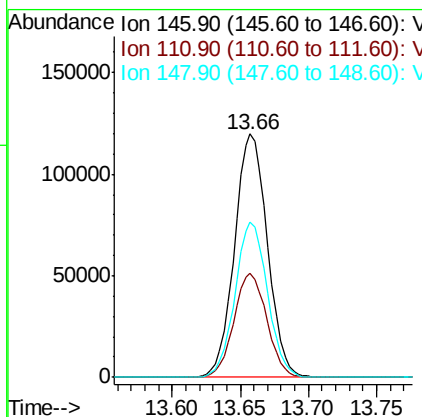
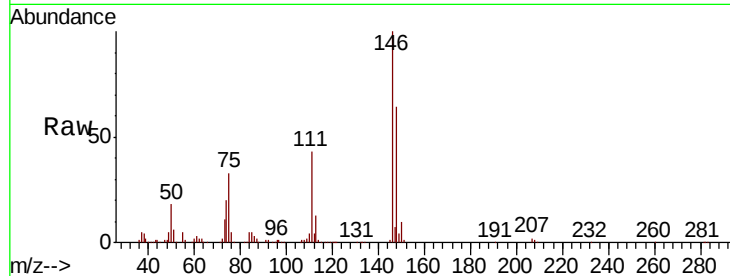




#91
 1,2-Dichlorobenzene
 Concen: 21.418 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

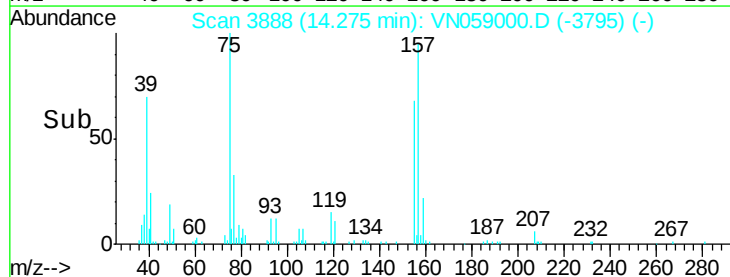
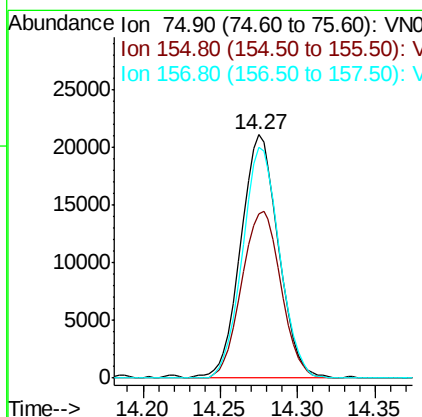
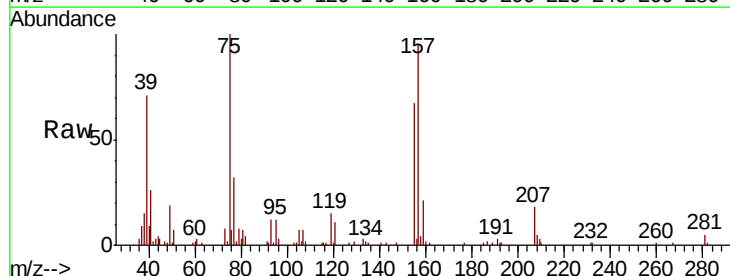
Instrument :
 MSVOA_N
 ClientSampleId :

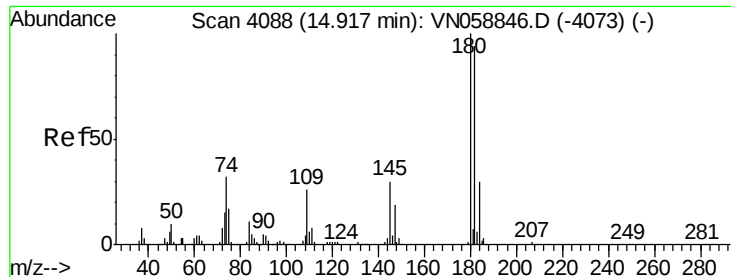
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	62.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.852 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	35.6	106.8
157	93.2	47.4	142.2

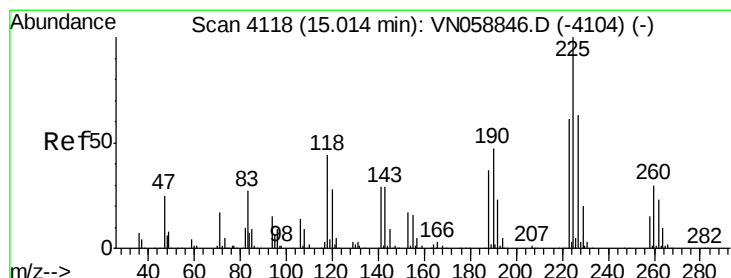
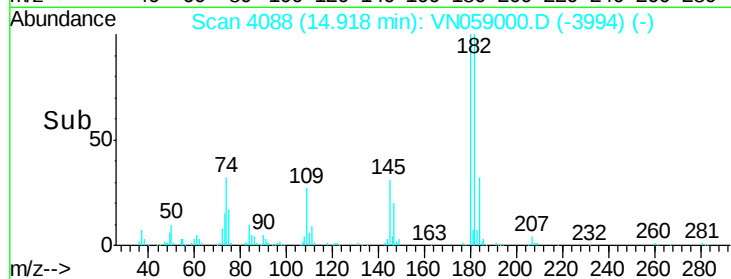
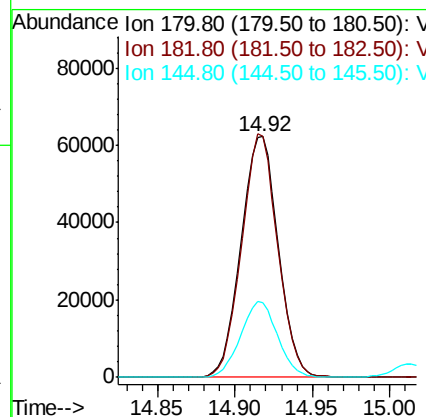
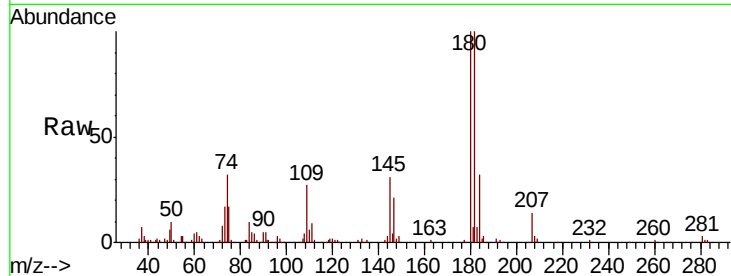




#93
 1,2,4-Trichlorobenzene
 Concen: 19.304 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

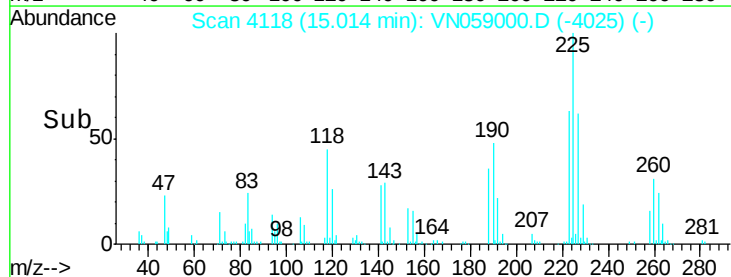
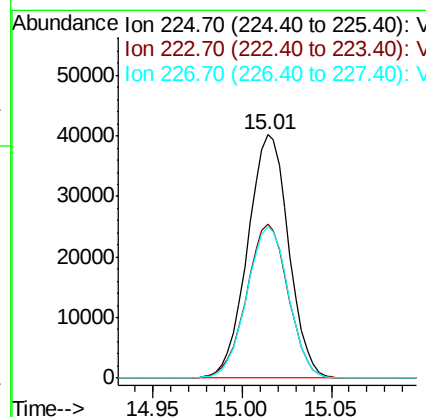
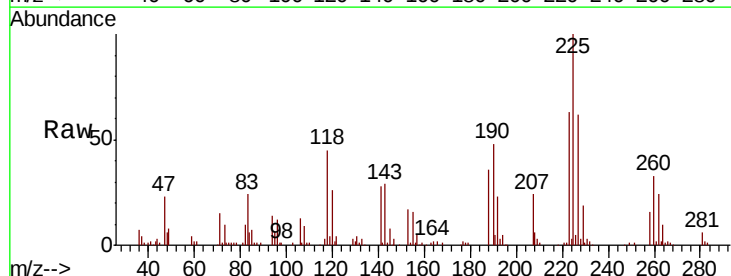
Instrument :
 MSVOA_N
 ClientSampled :

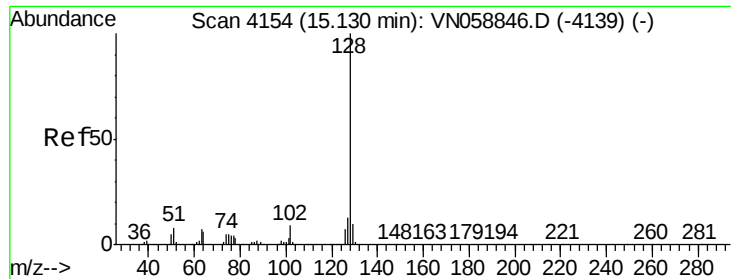
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	142.0
145	31.3	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 21.236 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	30.9	92.5
227	63.5	31.6	94.7

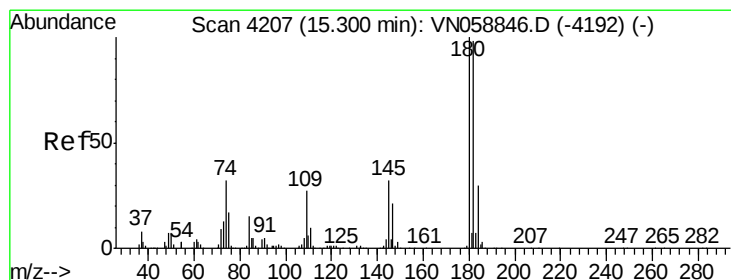
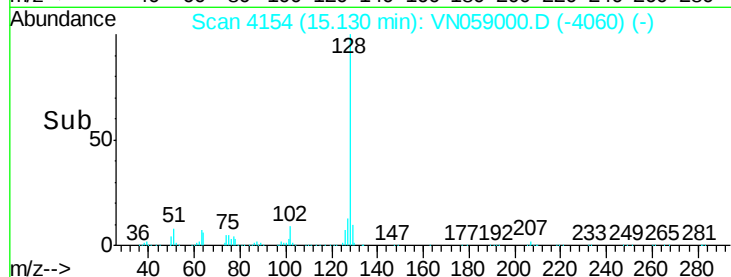
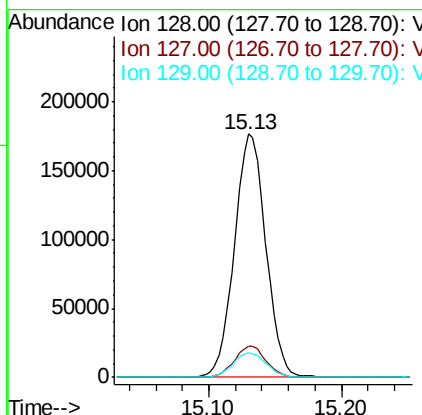
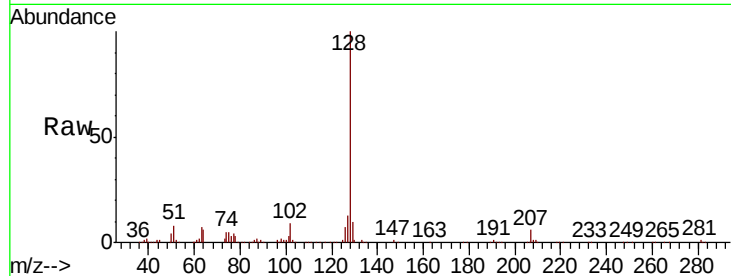




#95
Naphthalene
Concen: 18.645 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.105 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	33.5	15.9	47.7

