

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022020\
 Data File : VN060171.D
 Acq On : 20 Feb 2020 14:48
 Operator : JC/MD
 Sample : VN0220MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:25:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	127330	51.01	ug/l	0.00
Spiked Amount						
			Recovery	=	102.02%	
35) Dibromofluoromethane	7.56	113	99320	50.40	ug/l	0.00
Spiked Amount						
			Recovery	=	100.80%	
50) Toluene-d8	10.08	98	378508	48.77	ug/l	0.00
Spiked Amount						
			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	139555	48.94	ug/l	0.00
Spiked Amount						
			Recovery	=	97.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	35704	17.412	ug/l	99
3) Chloromethane	2.04	50	42554	17.439	ug/l	100
4) Vinyl Chloride	2.17	62	47306	17.008	ug/l	100
5) Bromomethane	2.55	94	32183	18.870	ug/l	98
6) Chloroethane	2.69	64	26008	18.487	ug/l	96
7) Trichlorofluoromethane	3.00	101	64793	18.068	ug/l	99
8) Diethyl Ether	3.38	74	24148	20.229	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36635	18.401	ug/l	98
10) Methyl Iodide	3.93	142	48003	19.537	ug/l	98
11) Tert butyl alcohol	4.73	59	37071	99.241	ug/l	100
12) 1,1-Dichloroethene	3.72	96	35600	18.355	ug/l	98
13) Acrolein	3.58	56	30805	83.431	ug/l	96
14) Allyl chloride	4.29	41	54721	19.169	ug/l	92
15) Acrylonitrile	4.94	53	91621	100.435	ug/l	99
16) Acetone	3.78	43	83597	76.777	ug/l	100
17) Carbon Disulfide	4.03	76	98685	16.881	ug/l	97
18) Methyl Acetate	4.29	43	43042	21.044	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	127567	19.558	ug/l	99
20) Methylene Chloride	4.52	84	41621	19.160	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	39072	18.481	ug/l	100
22) Diisopropyl ether	5.91	45	122325	19.552	ug/l	99
23) Vinyl Acetate	5.86	43	513071	97.656	ug/l	98
24) 1,1-Dichloroethane	5.82	63	71179	18.781	ug/l	99
25) 2-Butanone	6.80	43	123538	90.213	ug/l	97
26) 2,2-Dichloropropane	6.80	77	64537	17.928	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	45114	18.233	ug/l	100
28) Bromochloromethane	7.17	49	30223	20.284	ug/l	98
29) Tetrahydrofuran	7.18	42	82431	98.121	ug/l	98
30) Chloroform	7.35	83	74271	18.708	ug/l	98
31) Cyclohexane	7.63	56	64130	18.165	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	66581	18.352	ug/l	100
36) 1,1-Dichloropropene	7.77	75	54229	18.261	ug/l	99
37) Ethyl Acetate	6.90	43	53231	19.834	ug/l	100
38) Carbon Tetrachloride	7.75	117	57717	17.896	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65509	17.771	ug/l	97
40) Benzene	8.02	78	161067	18.284	ug/l	99
41) Methacrylonitrile	7.18	41	74682	66.353	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	59747	19.352	ug/l	99
43) Isopropyl Acetate	8.14	43	90237	19.669	ug/l	99
44) Trichloroethene	8.82	130	43923	18.008	ug/l	96
45) 1,2-Dichloropropane	9.10	63	42780	19.616	ug/l	98
46) Dibromomethane	9.19	93	29267	18.990	ug/l	98
47) Bromodichloromethane	9.39	83	58374	18.630	ug/l	98
48) Methyl methacrylate	9.18	41	38238	18.577	ug/l	99
49) 1,4-Dioxane	9.18	88	15000	426.506	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	256157	96.463	ug/l	100
52) Toluene	10.14	92	105487	18.674	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	67167	18.991	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	70257	18.865	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	41576	18.866	ug/l	98
56) Ethyl methacrylate	10.42	69	58843	18.875	ug/l	98
57) 1,3-Dichloropropane	10.70	76	69177	19.024	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	146081	100.583	ug/l	99
59) 2-Hexanone	10.74	43	187701	91.504	ug/l	99
60) Dibromochloromethane	10.89	129	45770	18.099	ug/l	97
61) 1,2-Dibromoethane	10.99	107	43037	18.629	ug/l	99
64) Tetrachloroethene	10.62	164	41449	18.090	ug/l	99
65) Chlorobenzene	11.43	112	111152	18.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42222	18.175	ug/l	97
67) Ethyl Benzene	11.50	91	201793	18.220	ug/l	99
68) m/p-Xylenes	11.62	106	152172	36.608	ug/l	100
69) o-Xylene	11.94	106	72796	18.189	ug/l	98
70) Styrene	11.96	104	114662	17.766	ug/l	100
71) Bromoform	12.12	173	33819	18.100	ug/l #	98
73) Isopropylbenzene	12.25	105	194801	17.978	ug/l	99
74) N-amyl acetate	12.07	43	74874	19.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	58711	18.824	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	78436	28.253	ug/l #	100
77) Bromobenzene	12.52	156	51982	19.331	ug/l	96
78) n-propylbenzene	12.59	91	223464	18.101	ug/l	99
79) 2-Chlorotoluene	12.67	91	131067	18.062	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	164059	18.210	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20747	18.298	ug/l	99
82) 4-Chlorotoluene	12.77	91	134433	18.057	ug/l	100
83) tert-Butylbenzene	12.99	119	139829	17.545	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	165749	18.637	ug/l	99
85) sec-Butylbenzene	13.17	105	185580	17.582	ug/l	99
86) p-Isopropyltoluene	13.28	119	169272	17.700	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	86450	18.162	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	86835	18.246	ug/l	98
89) n-Butylbenzene	13.61	91	150807	17.929	ug/l	99
90) Hexachloroethane	13.87	117	30970	17.335	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	86160	18.496	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12399	18.206	ug/l	99

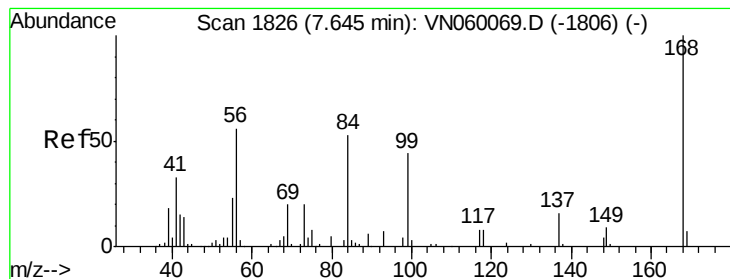
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022020\
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Operator : JC/MD
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	52456	19.165	ug/l	99
94) Hexachlorobutadiene	15.01	225	28139	17.561	ug/l	98
95) Naphthalene	15.13	128	146781	19.852	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52037	19.091	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

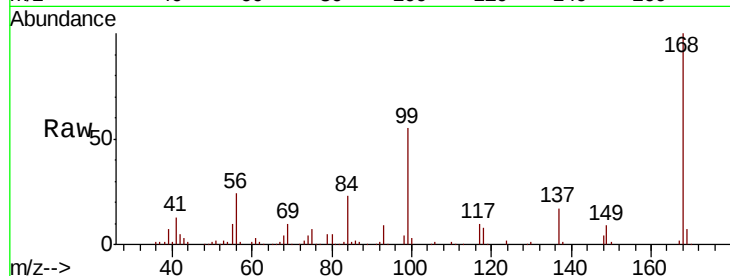
ClientSampleId :

Tot Ion:168 Resp: 205140

Ion Ratio Lower Upper

168 100

99 55.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)

7.64

80000

60000

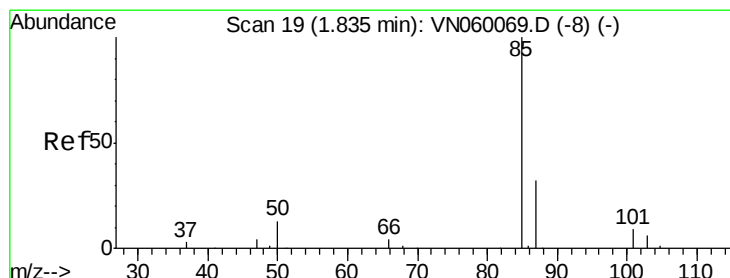
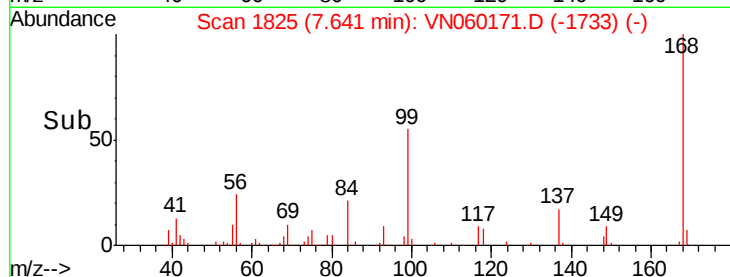
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.412 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060171.D

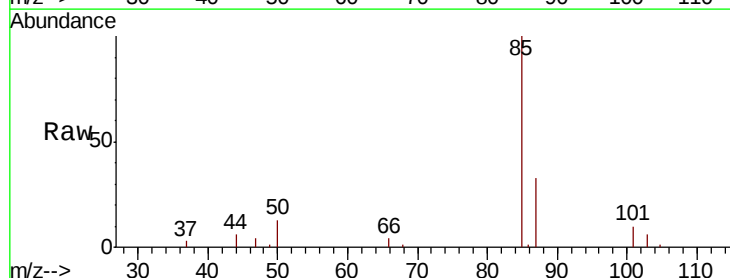
Acq: 20 Feb 2020 14:48

Tgt Ion: 85 Resp: 35704

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN060069.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN060069.D (-8) (-)

1.83

30000

25000

20000

15000

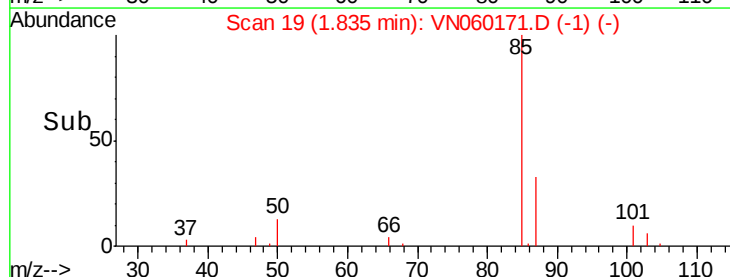
10000

5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.439 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

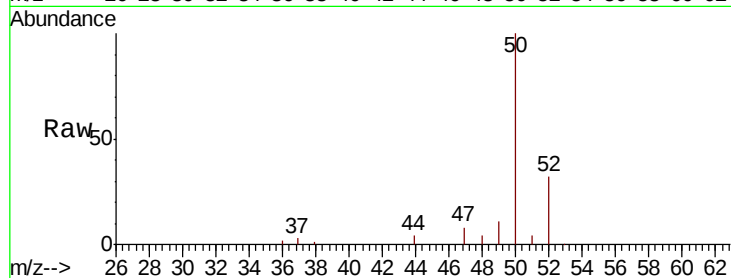
ClientSampleId :

Tot Ion: 50 Resp: 42554

Ion Ratio Lower Upper

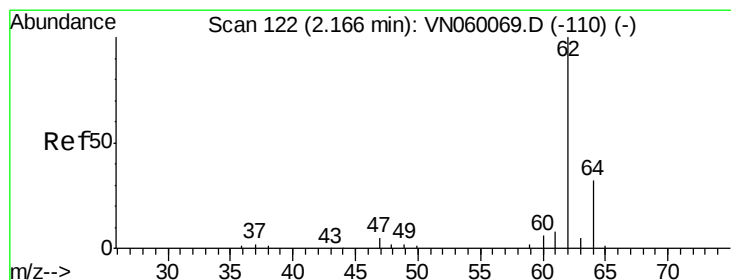
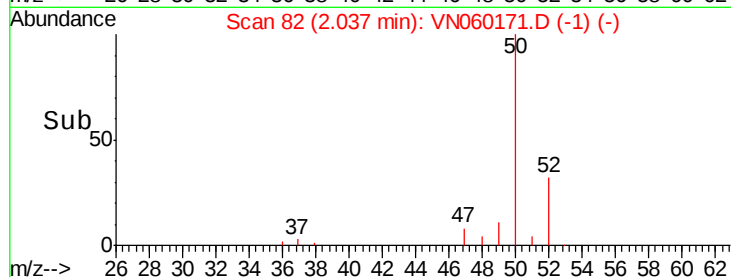
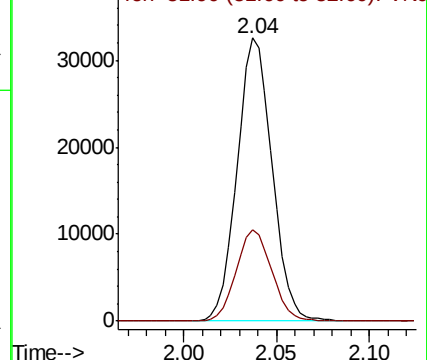
50 100

52 32.2 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.008 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060171.D

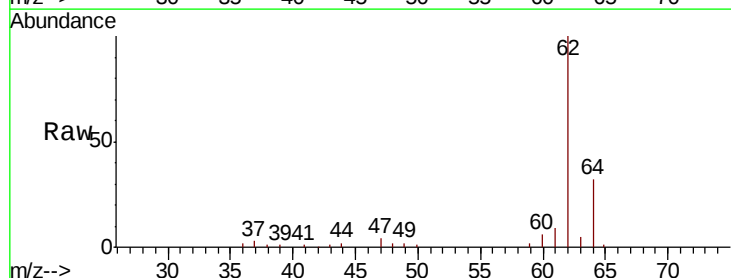
Acq: 20 Feb 2020 14:48

Tgt Ion: 62 Resp: 47306

Ion Ratio Lower Upper

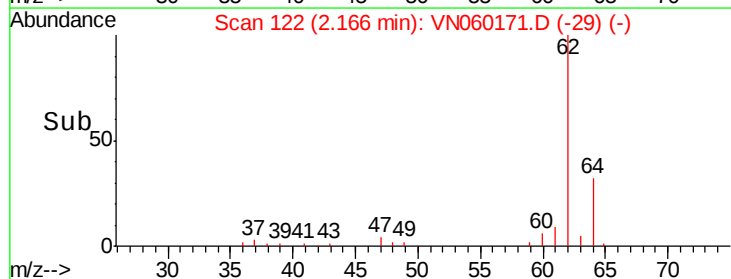
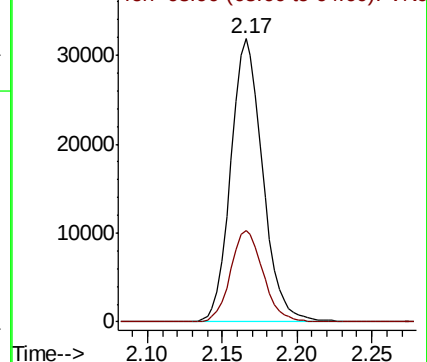
62 100

64 32.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

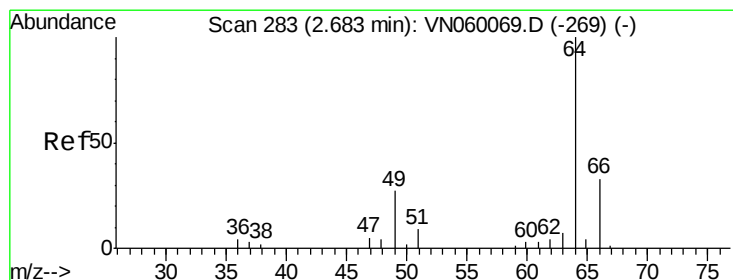
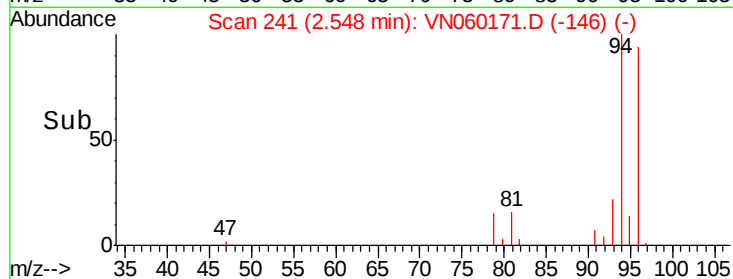
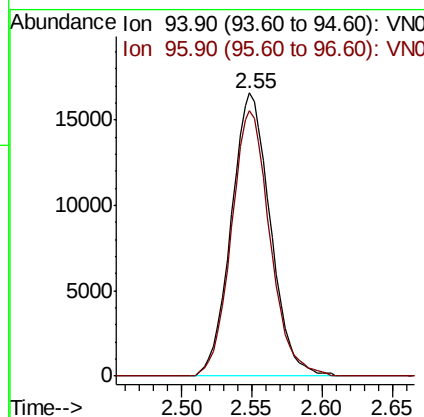
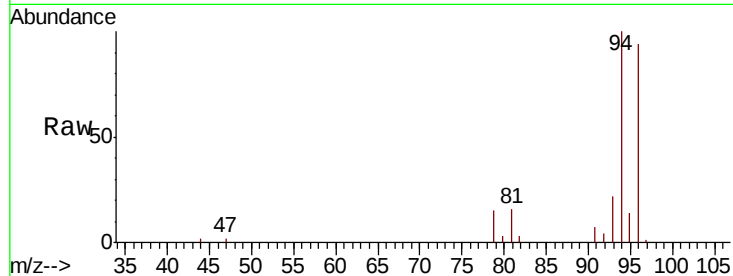




#5
Bromomethane
Concen: 18.870 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

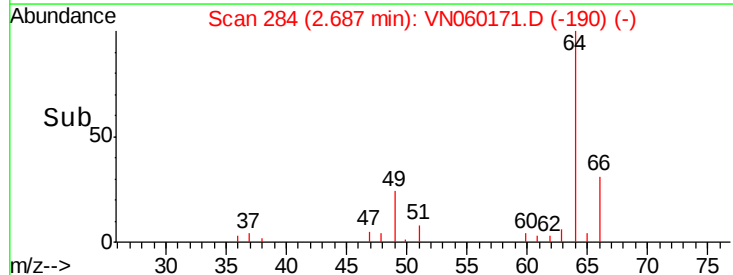
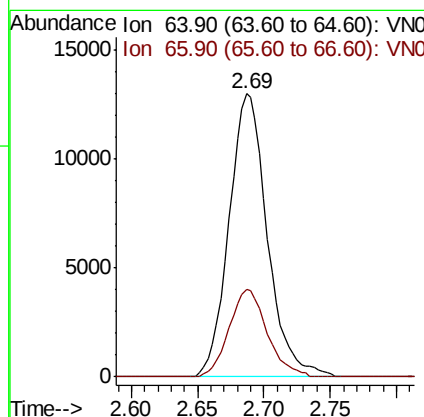
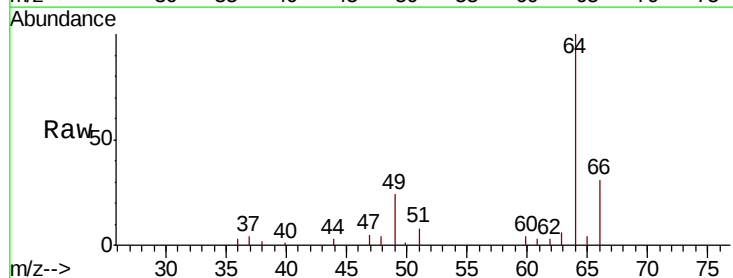
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 32183
Ion Ratio Lower Upper
94 100
96 93.9 76.7 115.1



#6
Chloroethane
Concen: 18.487 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 64 Resp: 26008
Ion Ratio Lower Upper
64 100
66 30.9 26.6 40.0



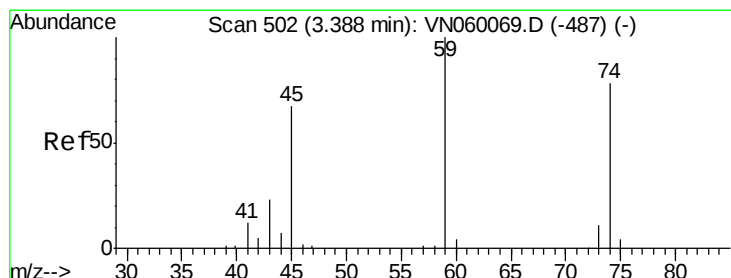
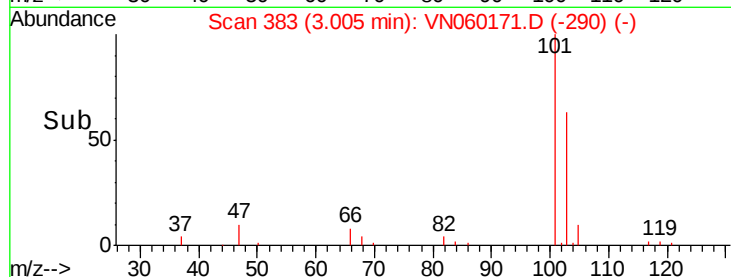
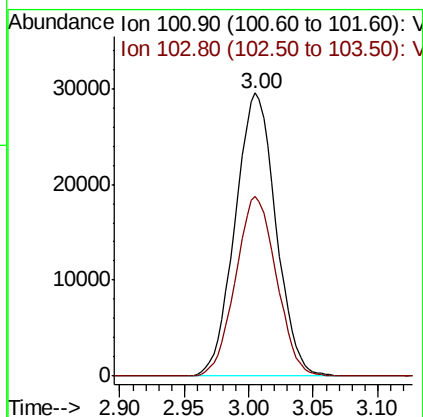
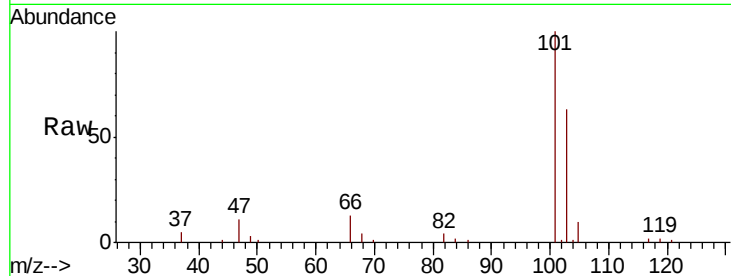


#7

Trichlorofluoromethane
 Concen: 18.068 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Instrument :
 MSVOA_N
 ClientSampleId :

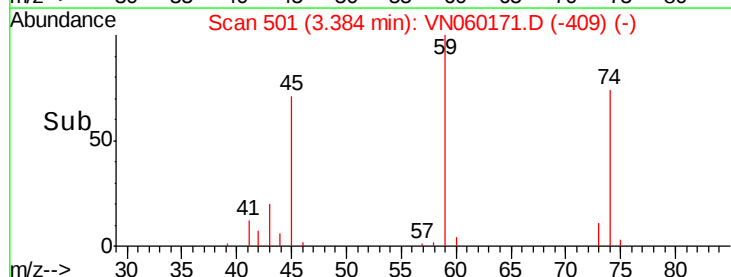
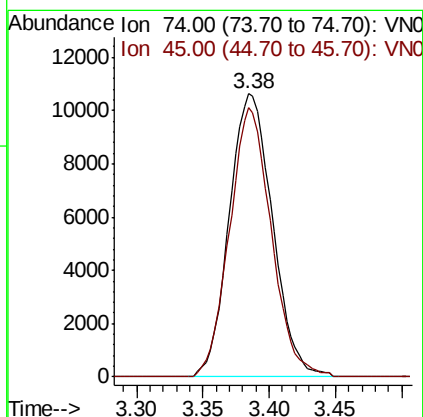
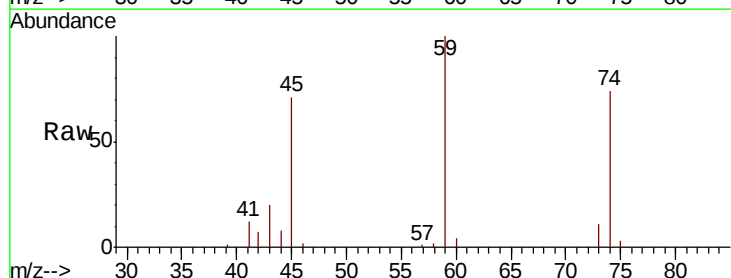
Tot Ion:101 Resp: 64793
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.0 76.6



#8

Diethyl Ether
 Concen: 20.229 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion: 74 Resp: 24148
 Ion Ratio Lower Upper
 74 100
 45 91.7 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.401 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

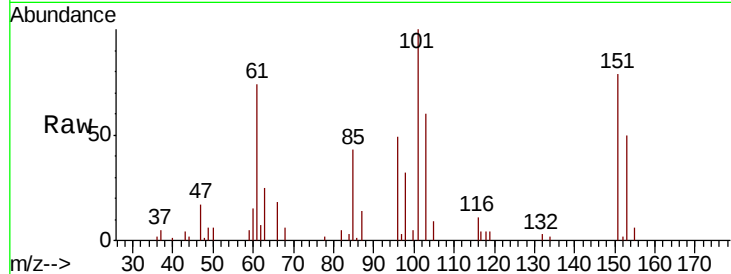
Tot Ion:101 Resp: 36635

Ion Ratio Lower Upper

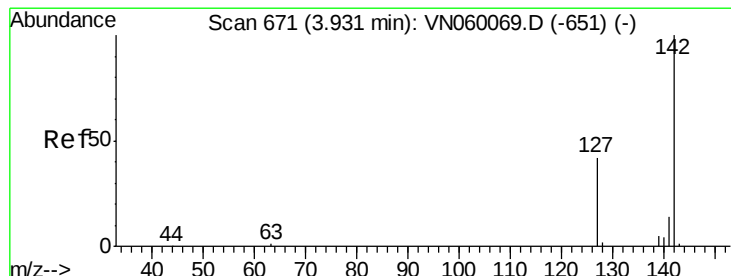
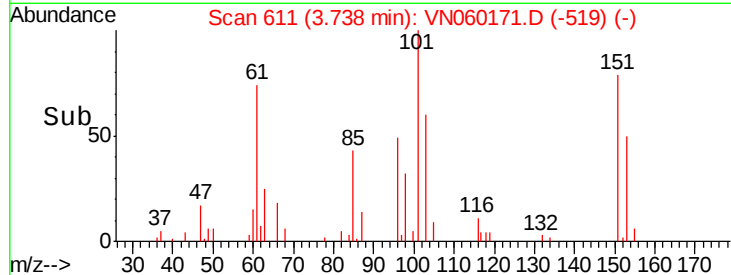
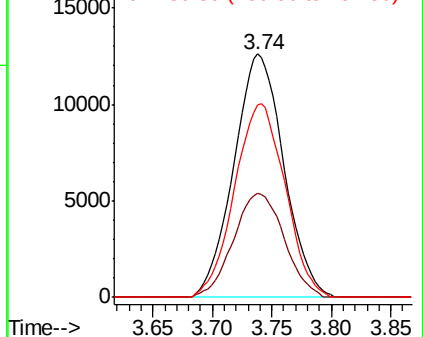
101 100

85 43.4 35.1 52.7

151 80.5 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.537 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

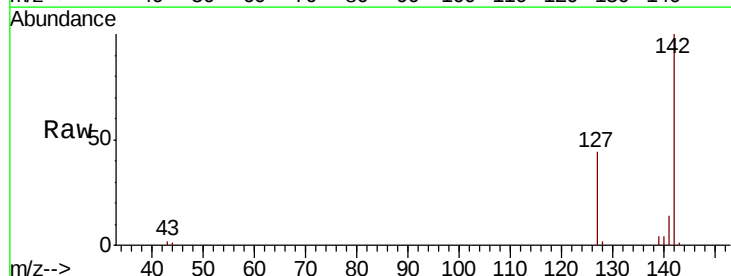
Tgt Ion:142 Resp: 48003

Ion Ratio Lower Upper

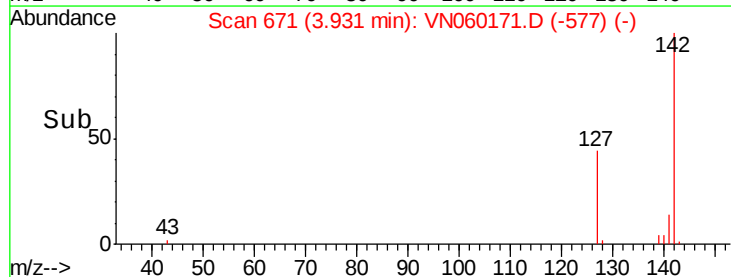
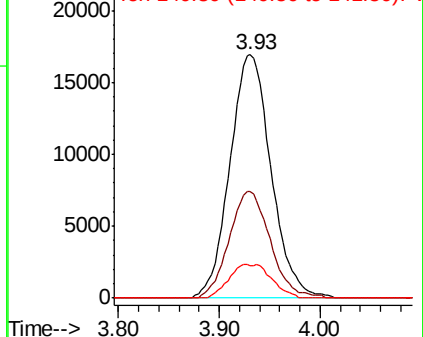
142 100

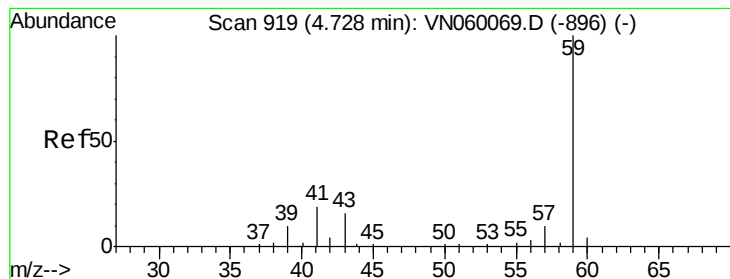
127 43.6 33.6 50.4

141 14.2 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



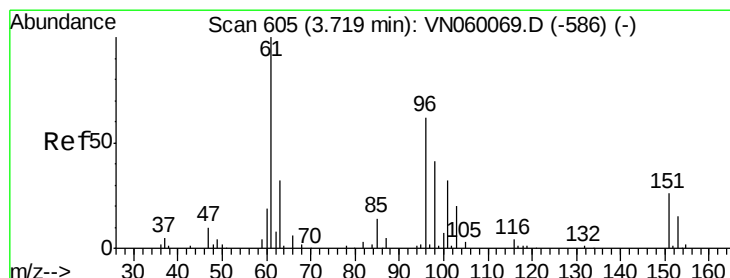
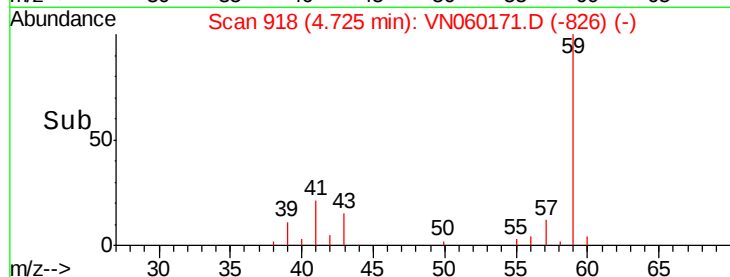
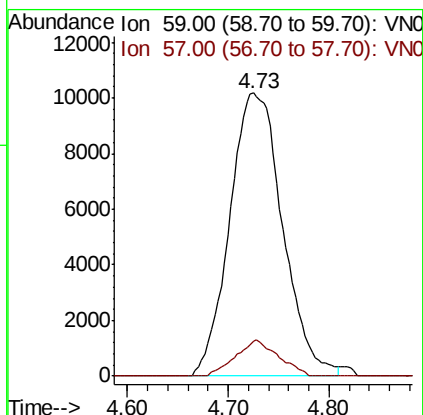
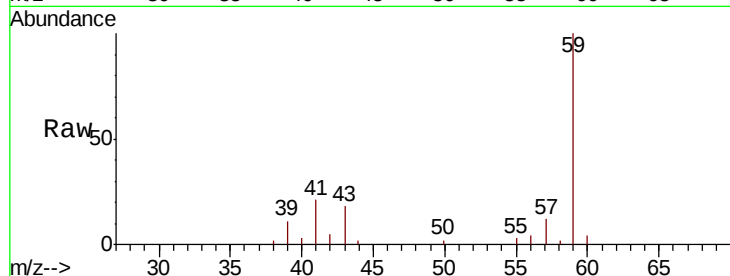


#11

Tert butyl alcohol
 Concen: 99.241 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Instrument :
 MSVOA_N
 ClientSampleId :

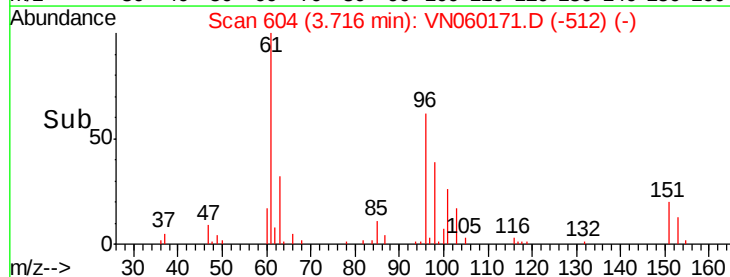
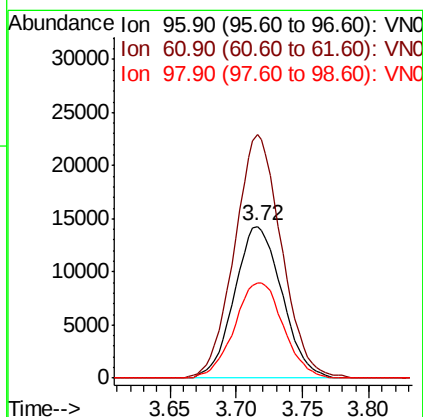
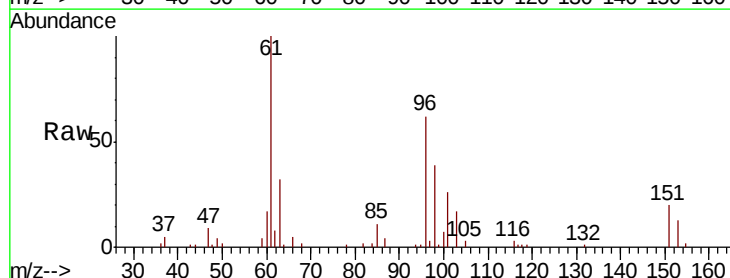
Tot Ion: 59 Resp: 37071
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

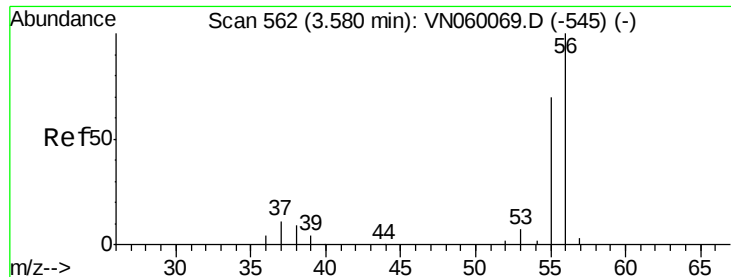


#12

1,1-Dichloroethene
 Concen: 18.355 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion: 96 Resp: 35600
 Ion Ratio Lower Upper
 96 100
 61 159.4 128.3 192.5
 98 62.4 52.2 78.4





#13

Acrolein

Concen: 83.431 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

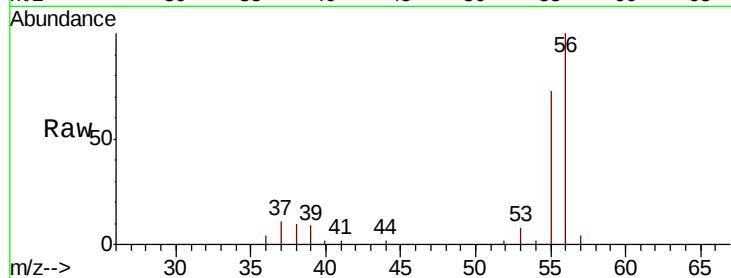
ClientSampled :

Tot Ion: 56 Resp: 30805

Ion Ratio Lower Upper

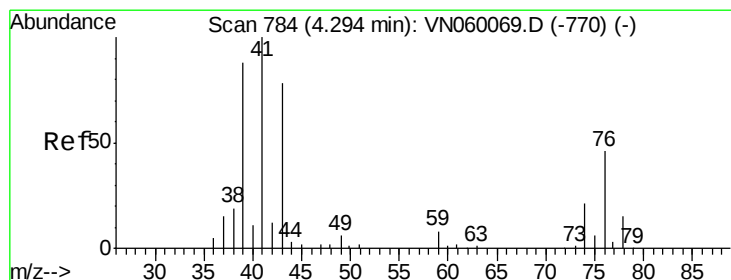
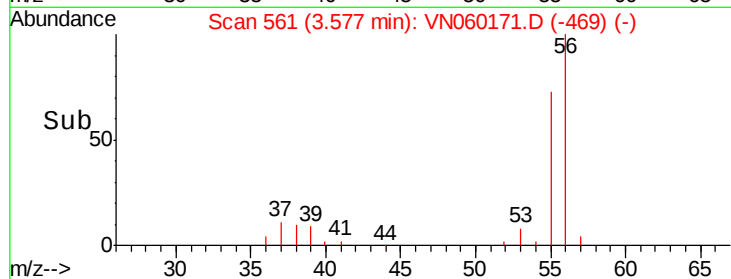
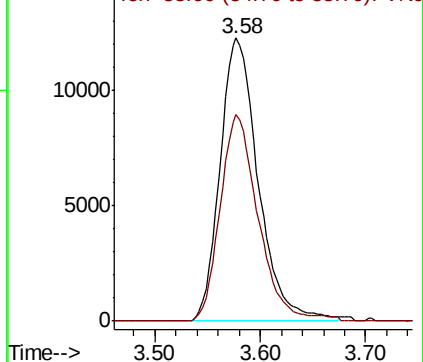
56 100

55 71.6 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.169 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

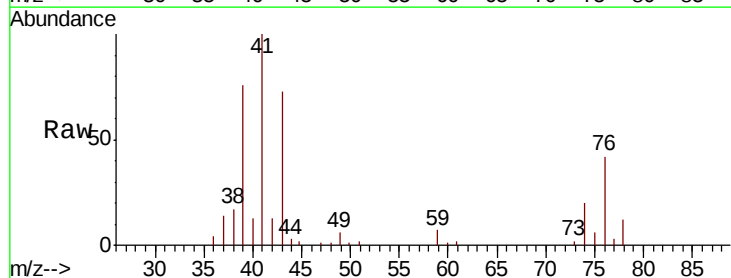
Tgt Ion: 41 Resp: 54721

Ion Ratio Lower Upper

41 100

39 76.2 67.8 101.8

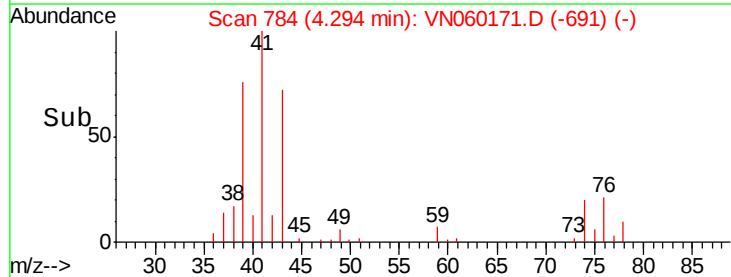
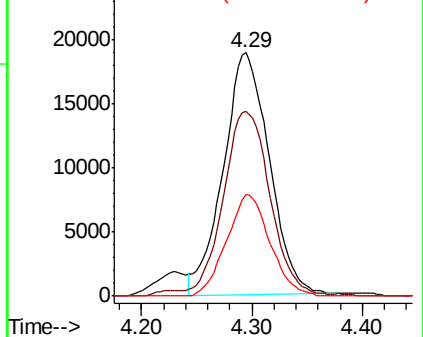
76 39.4 33.9 50.9

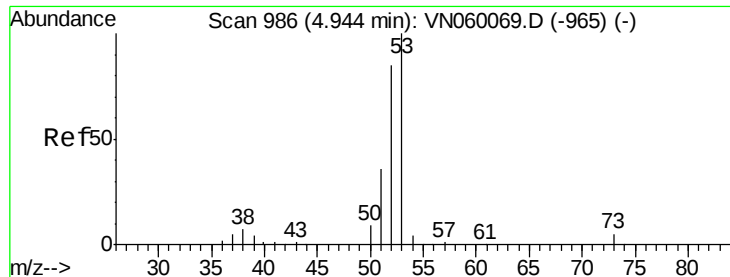


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.435 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

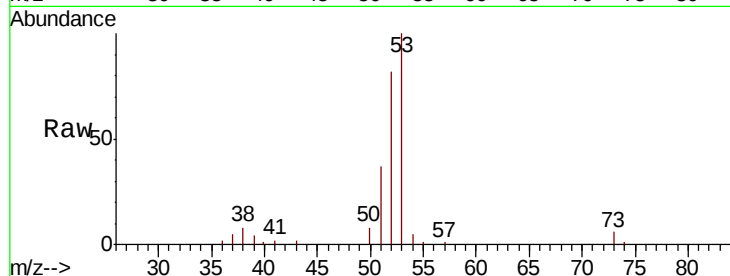
Tot Ion: 53 Resp: 91621

Ion Ratio Lower Upper

53 100

52 82.9 66.8 100.2

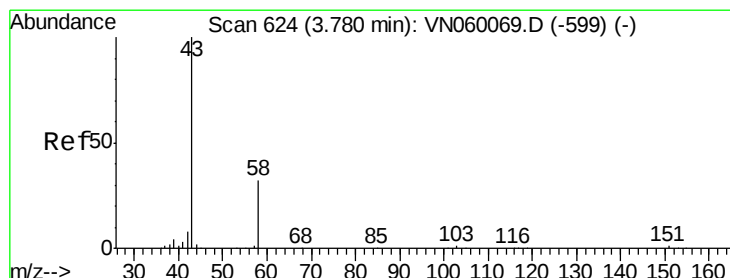
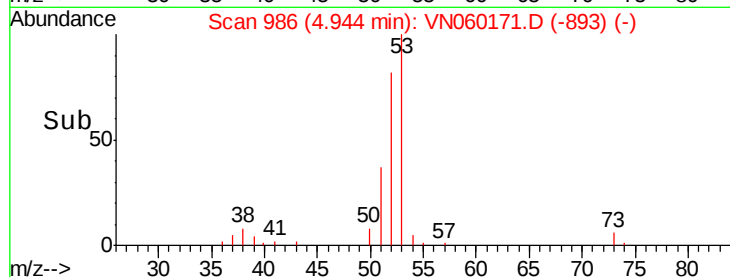
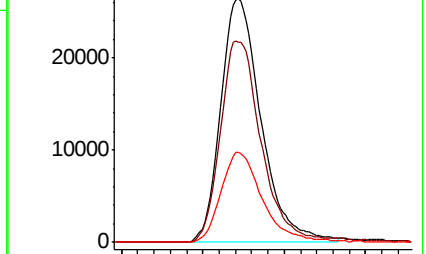
51 37.6 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN060171.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060171.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060171.D (-965) (-)



#16

Acetone

Concen: 76.777 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060171.D

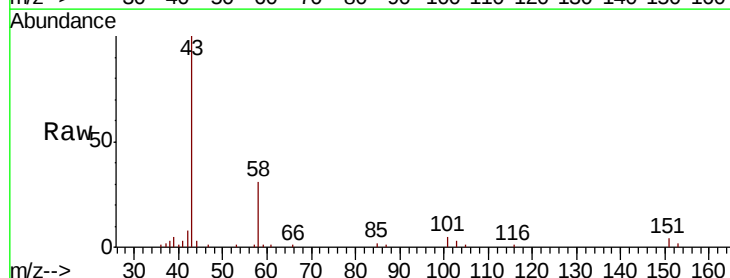
Acq: 20 Feb 2020 14:48

Tgt Ion: 43 Resp: 83597

Ion Ratio Lower Upper

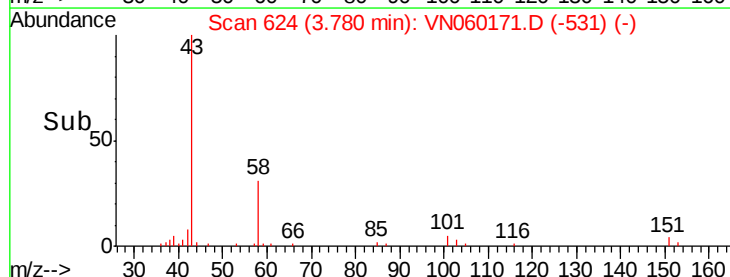
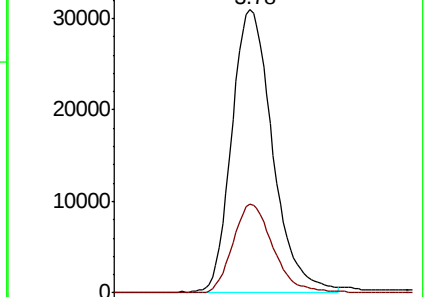
43 100

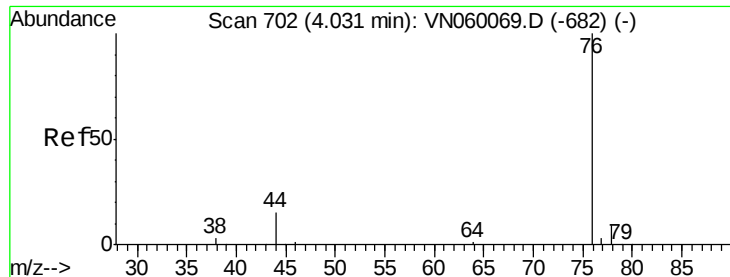
58 31.4 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060171.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060171.D (-599) (-)

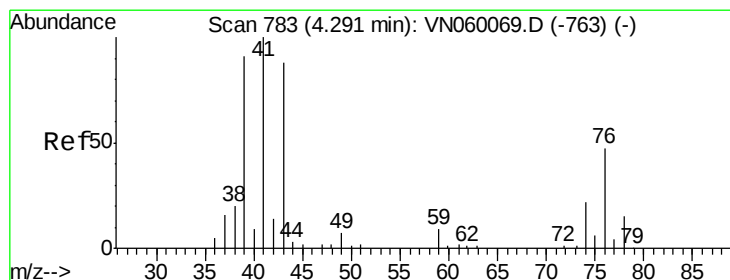
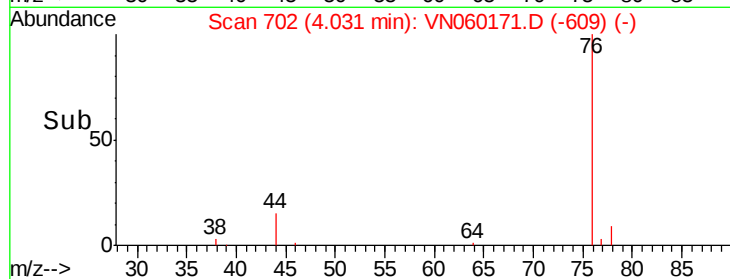
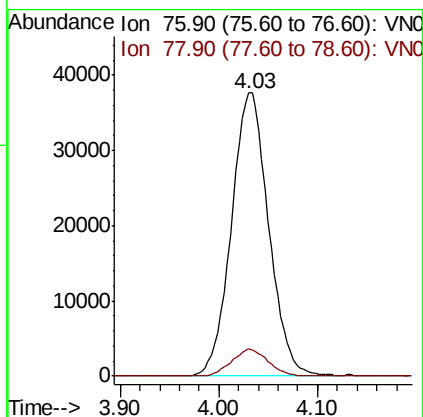
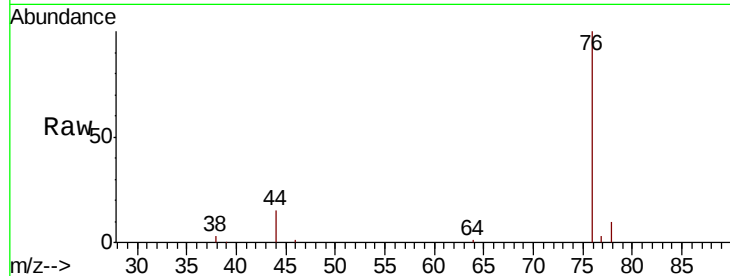




#17
Carbon Disulfide
Concen: 16.881 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

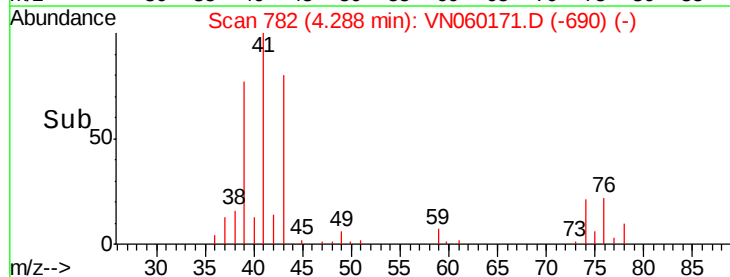
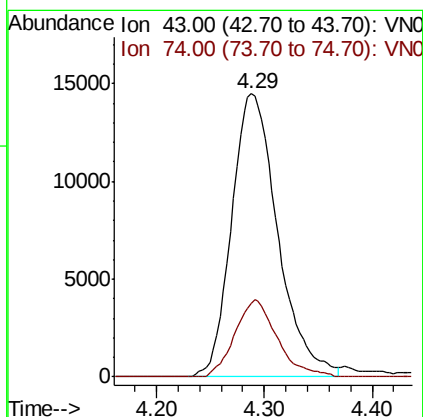
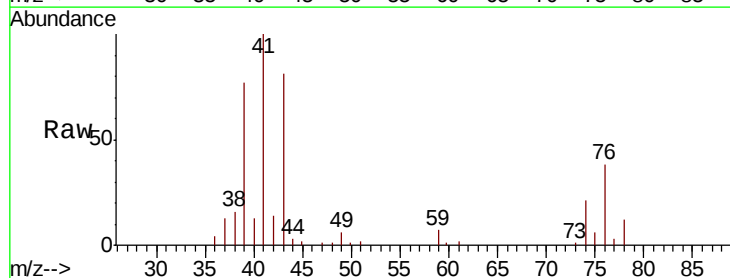
Instrument :
MSVOA_N
ClientSampleId :

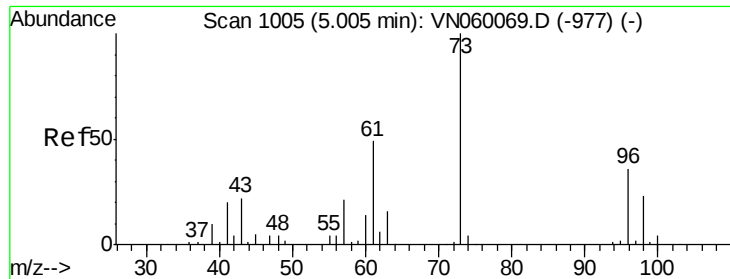
Tot Ion: 76 Resp: 98685
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 21.044 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 43 Resp: 43042
Ion Ratio Lower Upper
43 100
74 25.0 20.3 30.5

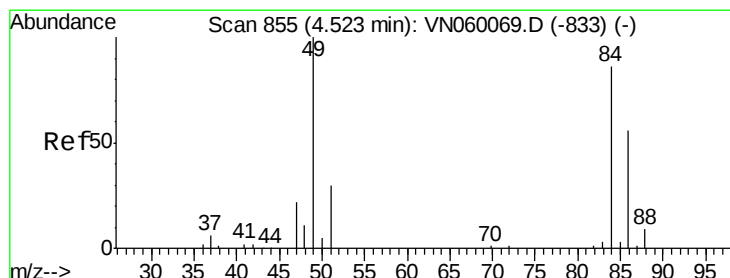
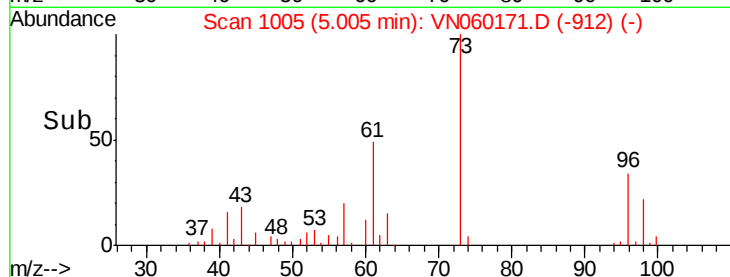
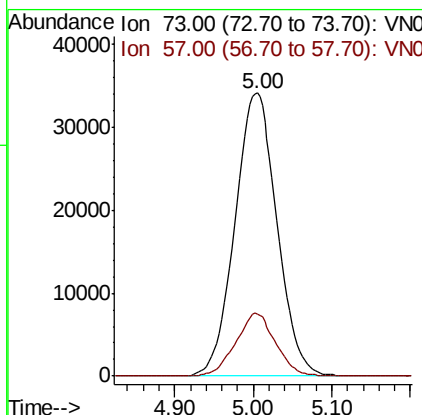
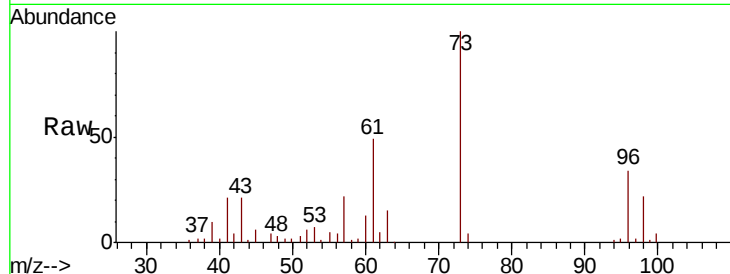




#19
Methvl tert-butvl Ether
Concen: 19.558 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

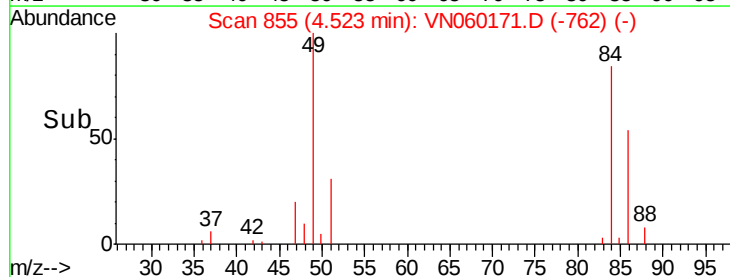
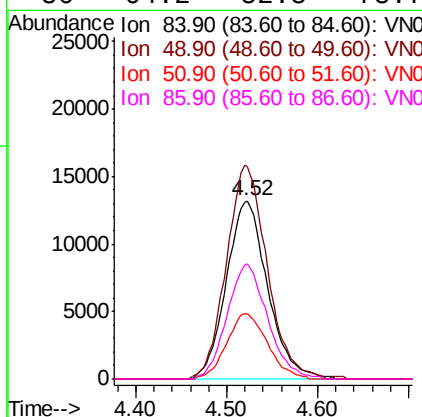
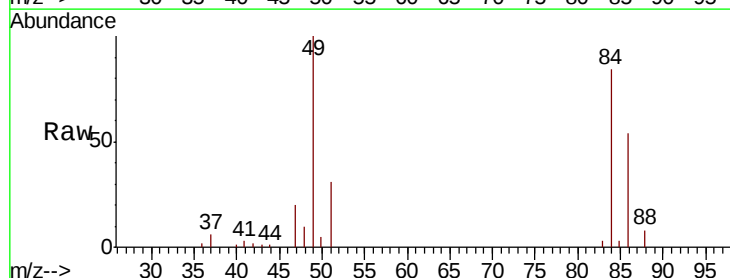
Instrument :
MSVOA_N
ClientSampled :

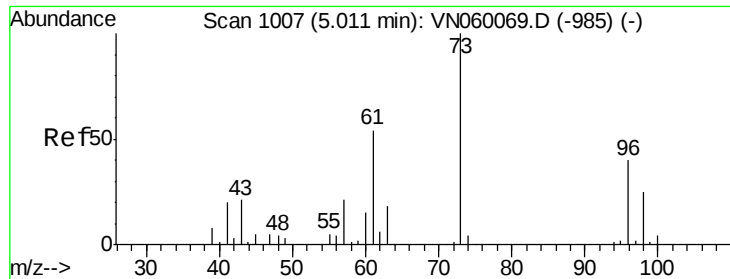
Tot Ion: 73 Resp: 127567
Ion Ratio Lower Upper
73 100
57 21.9 17.2 25.8



#20
Methylene Chloride
Concen: 19.160 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 84 Resp: 41621
Ion Ratio Lower Upper
84 100
49 118.8 93.4 140.0
51 36.5 28.4 42.6
86 64.2 52.5 78.7

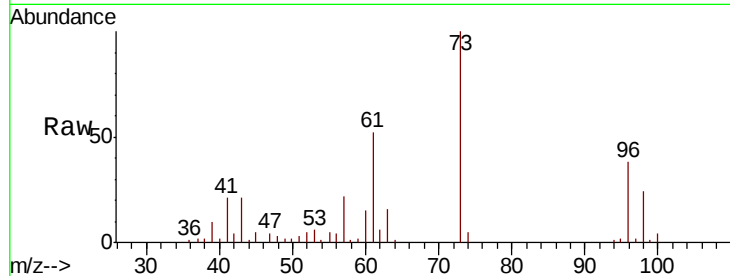




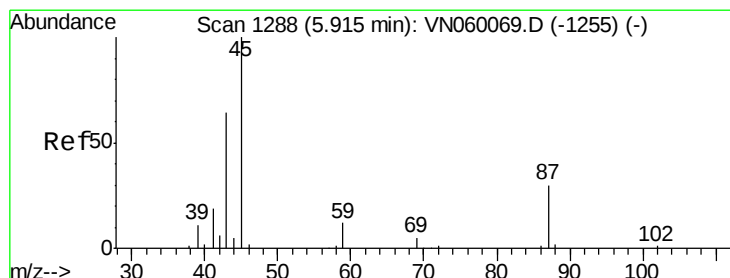
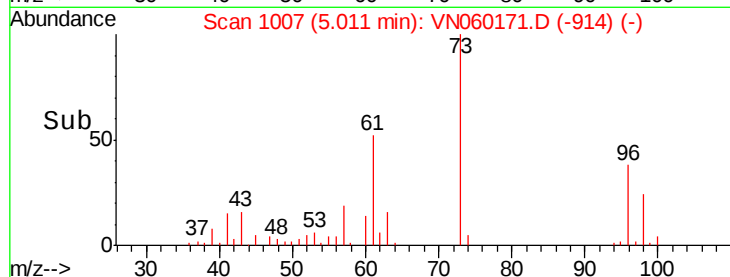
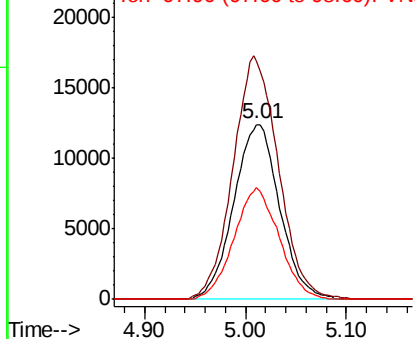
#21
trans-1,2-Dichloroethene
Concen: 18.481 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 39072
Ion Ratio Lower Upper
96 100
61 136.8 109.3 163.9
98 63.8 51.0 76.6

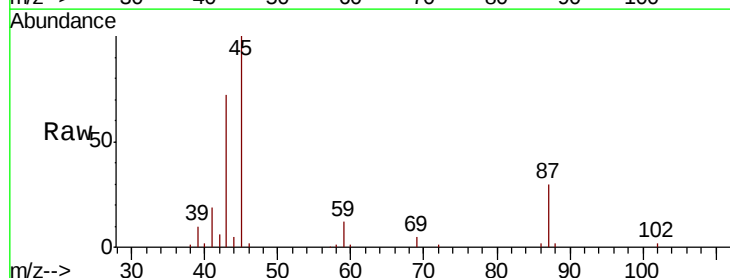


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

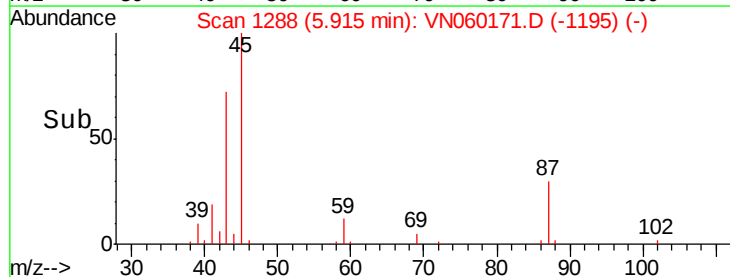
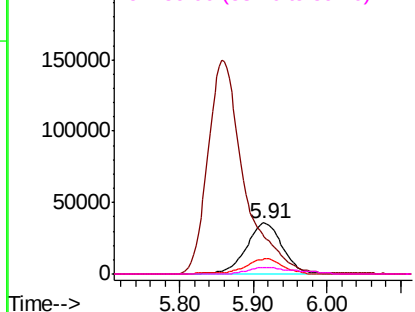


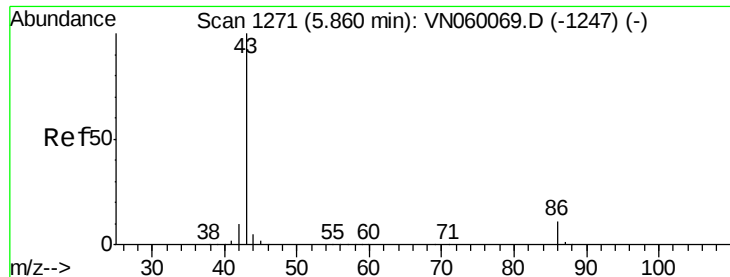
#22
Diisopropyl ether
Concen: 19.552 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 45 Resp: 122325
Ion Ratio Lower Upper
45 100
43 70.1 55.9 83.9
87 29.9 24.5 36.7
59 11.9 9.9 14.9



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





#23

Vinyl Acetate

Concen: 97.656 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

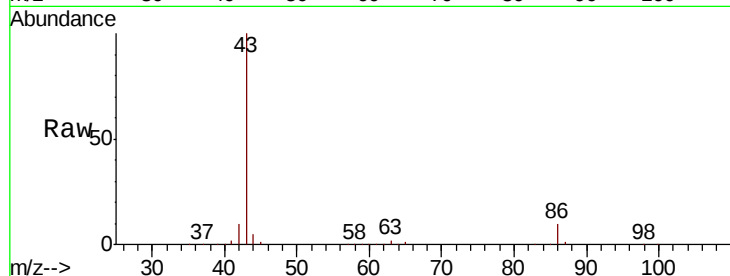
ClientSampleId :

Tot Ion: 43 Resp: 513071

Ion Ratio Lower Upper

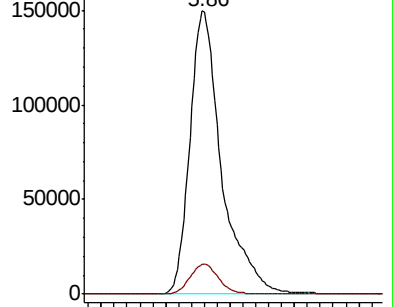
43 100

86 10.5 8.9 13.3

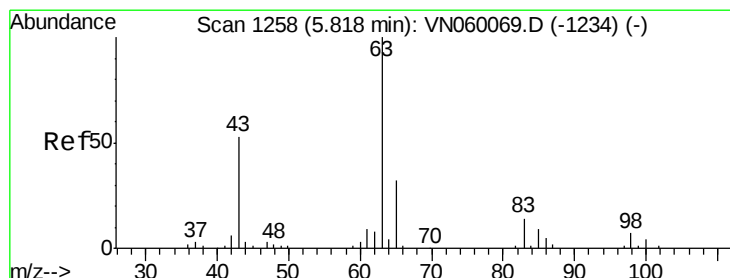
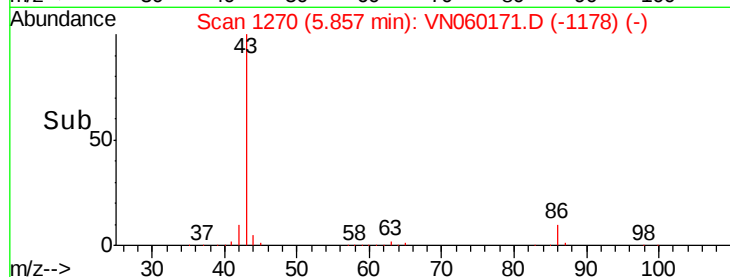


Abundance Ion 43.00 (42.70 to 43.70): VN060171.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060171.D (-1178) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 18.781 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

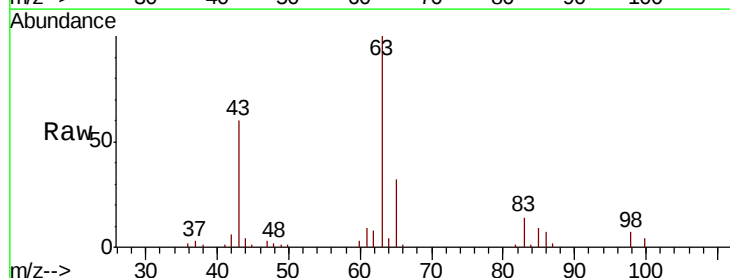
Tgt Ion: 63 Resp: 71179

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

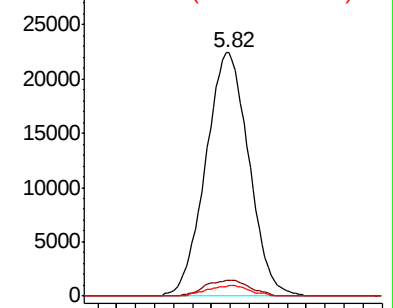
100 4.1 2.2 6.6



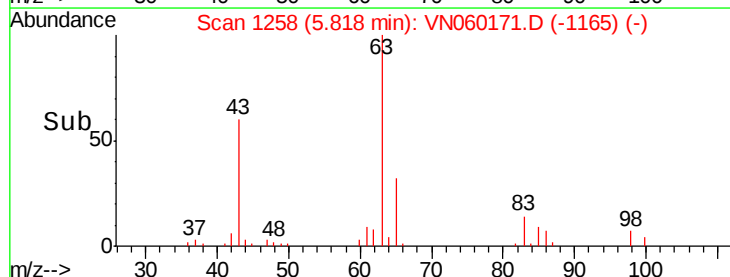
Abundance Ion 62.90 (62.60 to 63.60): VN060171.D (-1165) (-)

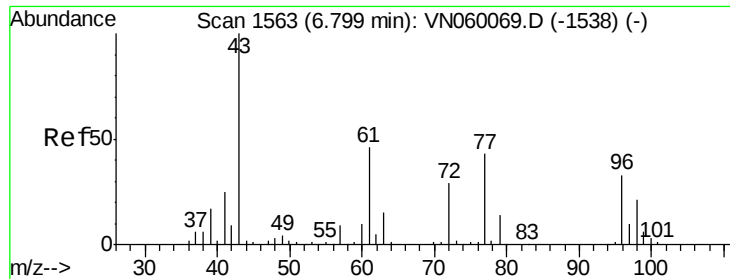
Ion 97.90 (97.60 to 98.60): VN060171.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060171.D (-1165) (-)



Time-->





#25

2-Butanone

Concen: 90.213 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

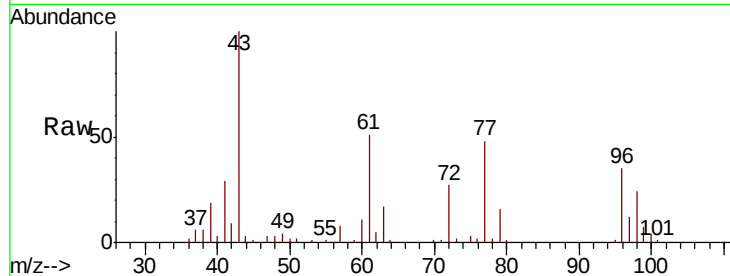
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 123538

Ion Ratio Lower Upper

43 100

72 27.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)

6.80

40000

30000

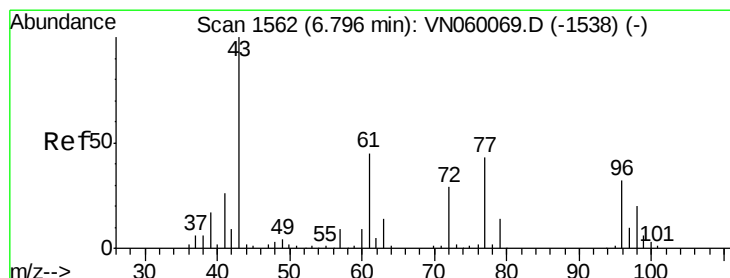
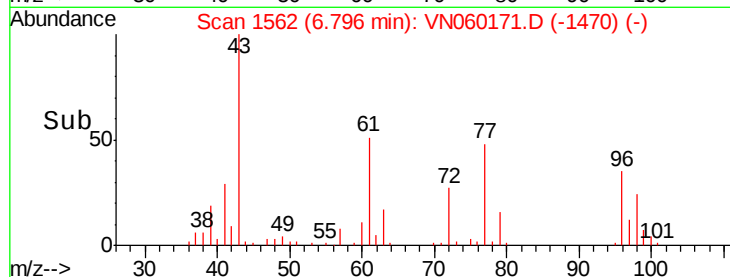
20000

10000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 17.928 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060171.D

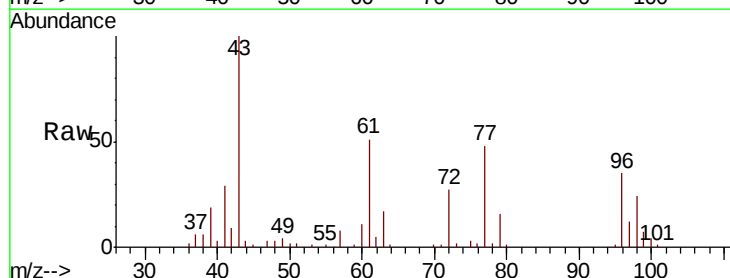
Acq: 20 Feb 2020 14:48

Tgt Ion: 77 Resp: 64537

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060069.D (-1538) (-)

6.80

20000

15000

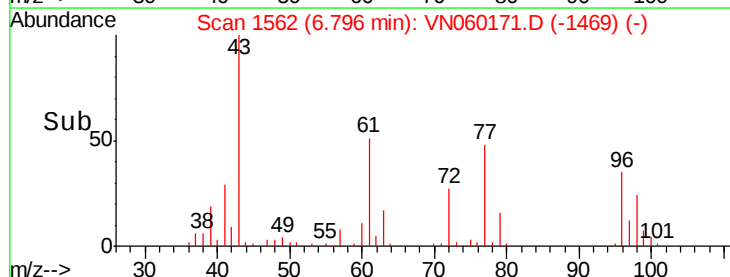
10000

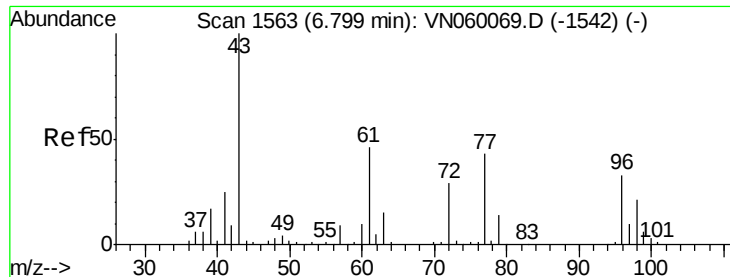
5000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.233 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampled :

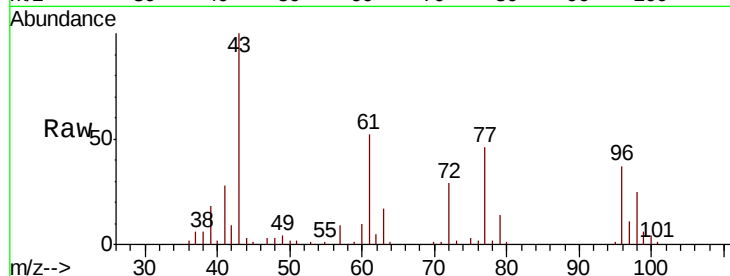
Tot Ion: 96 Resp: 45114

Ion Ratio Lower Upper

96 100

61 142.9 0.0 285.8

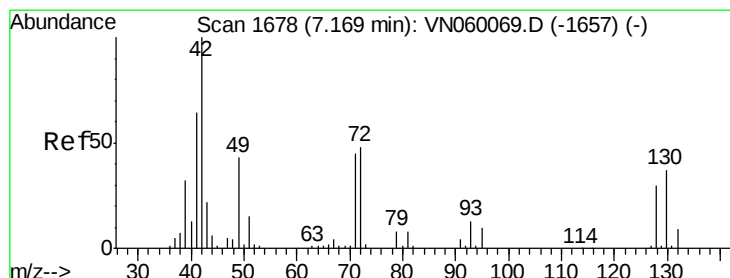
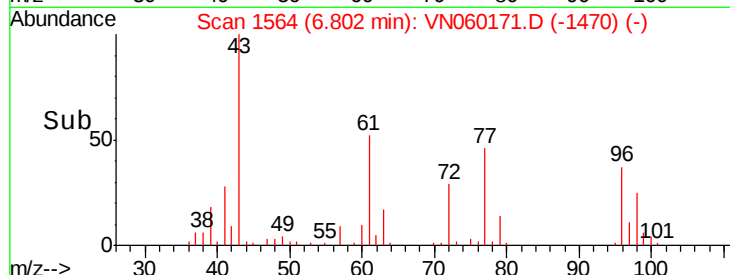
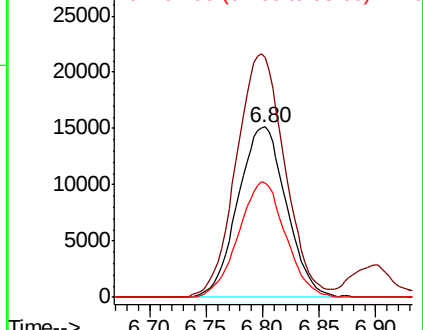
98 65.7 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN060171.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060171.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060171.D (-1470) (-)



#28

Bromochloromethane

Concen: 20.284 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

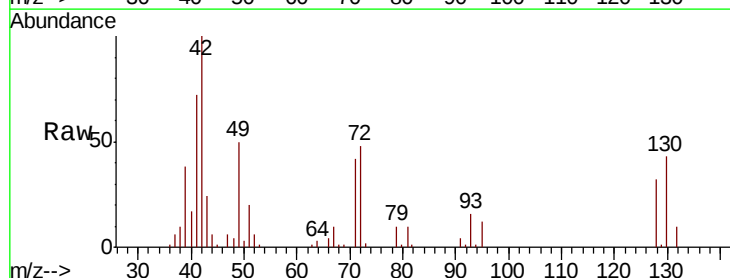
Tgt Ion: 49 Resp: 30223

Ion Ratio Lower Upper

49 100

129 1.5 0.0 2.2

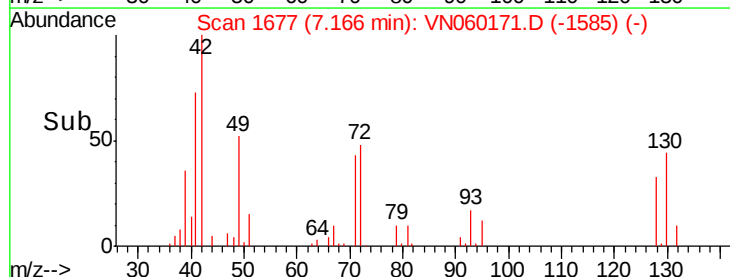
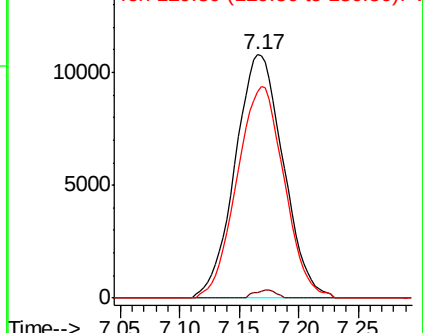
130 85.2 66.8 100.2

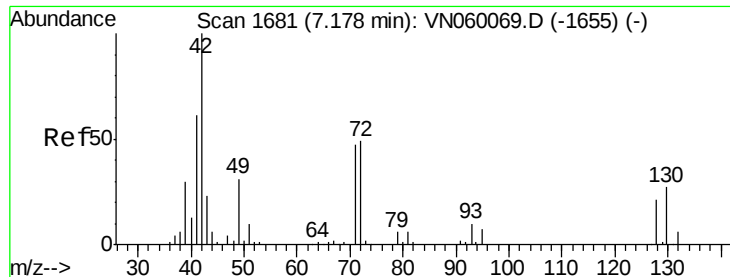


Abundance Ion 48.90 (48.60 to 49.60): VN060171.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060171.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060171.D (-1585) (-)

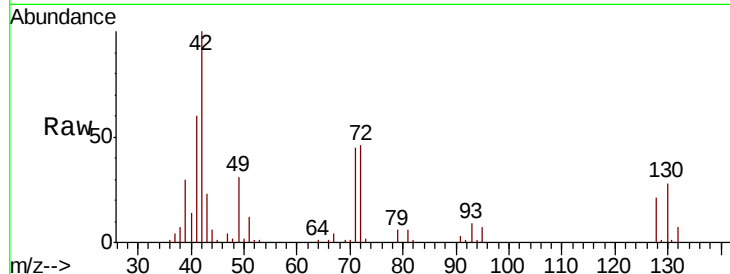




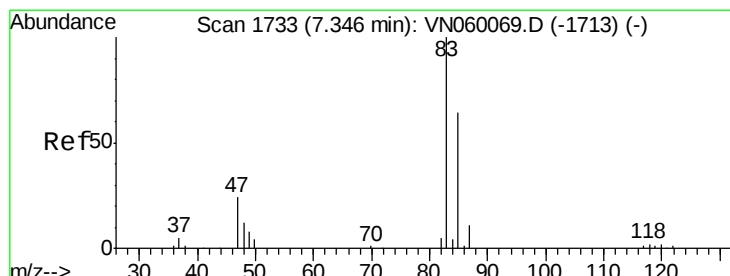
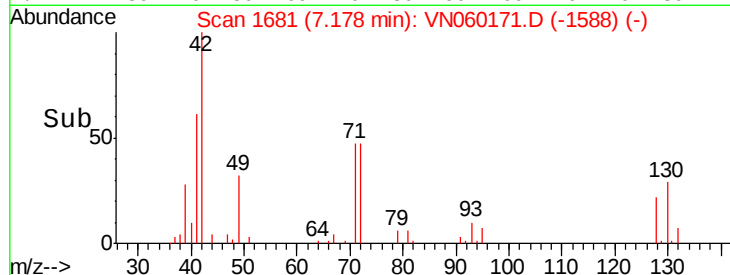
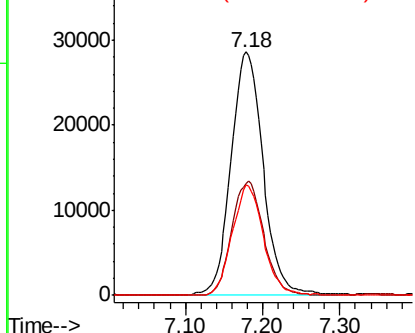
#29
Tetrahydrofuran
Concen: 98.121 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 82431
Ion Ratio Lower Upper
42 100
72 46.5 38.2 57.4
71 43.8 36.6 54.8

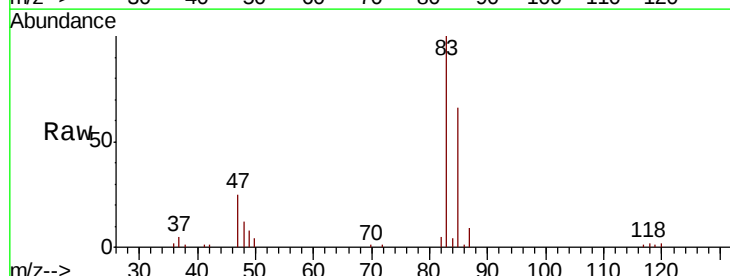


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

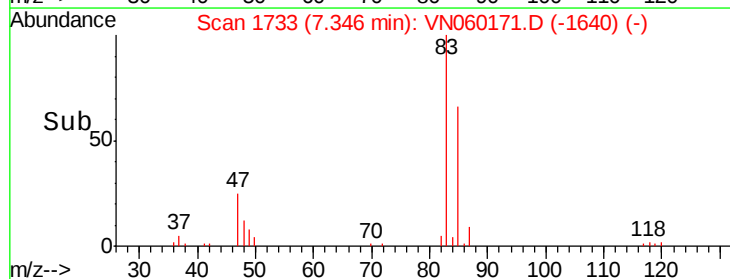
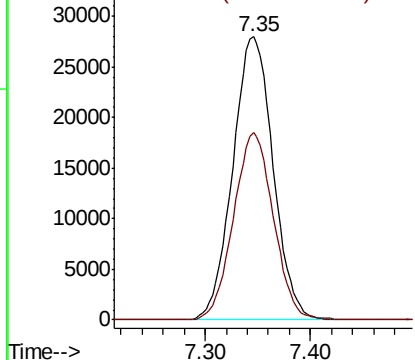


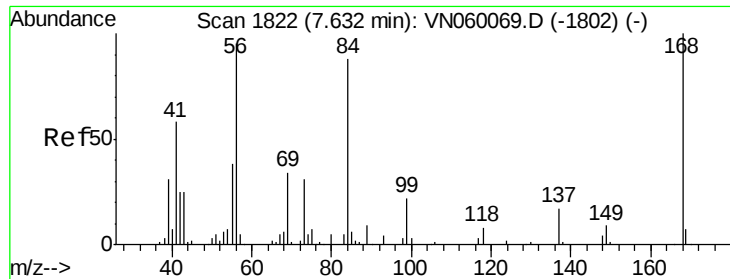
#30
Chloroform
Concen: 18.708 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 83 Resp: 74271
Ion Ratio Lower Upper
83 100
85 66.1 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

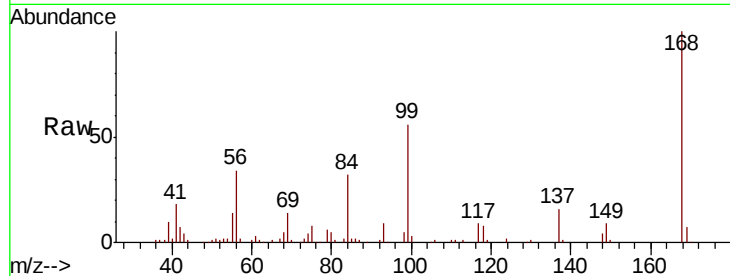




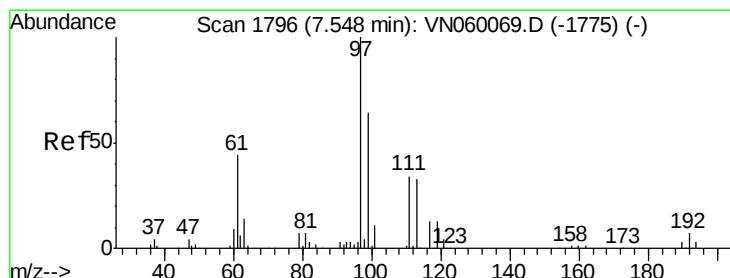
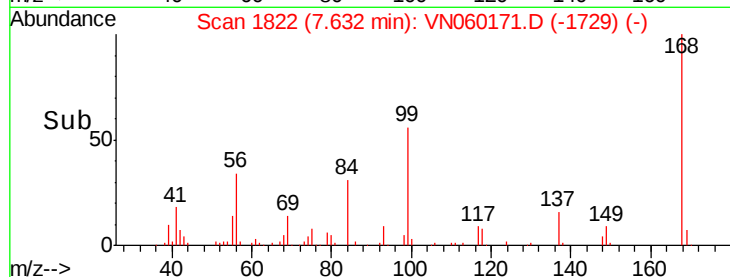
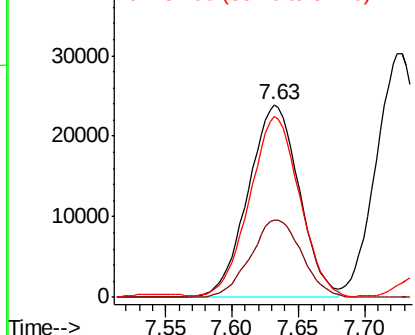
#31
Cyclohexane
Concen: 18.165 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 64130
Ion Ratio Lower Upper
56 100
69 40.1 28.3 42.5
84 93.0 72.6 108.8

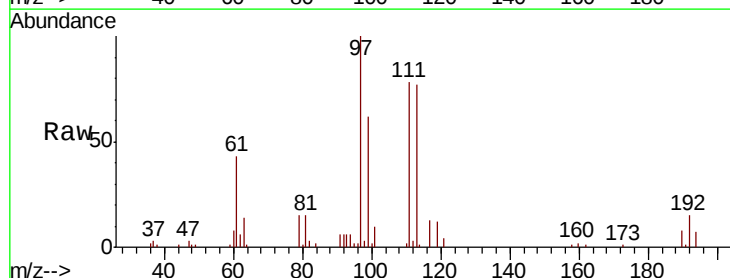


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

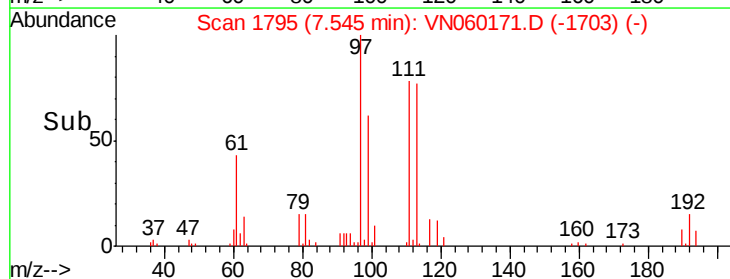
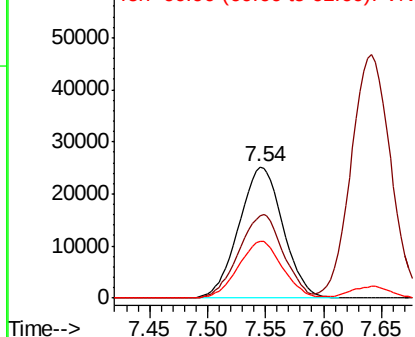


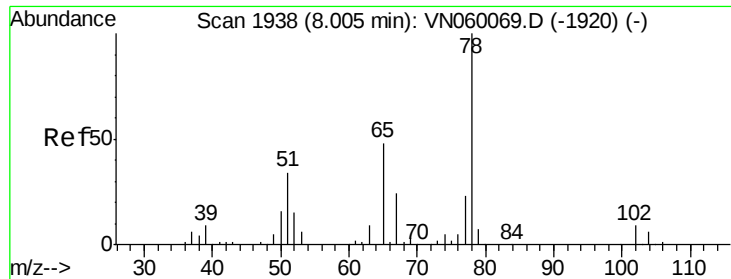
#32
1,1,1-Trichloroethane
Concen: 18.352 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 97 Resp: 66581
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 43.3 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

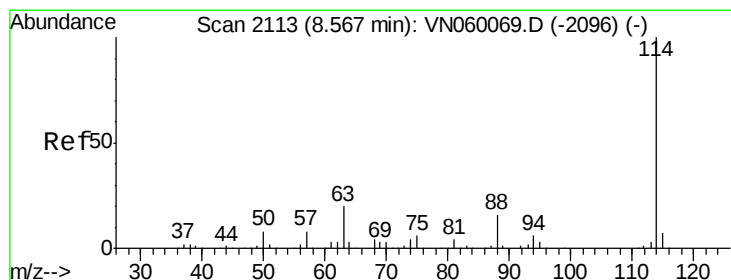
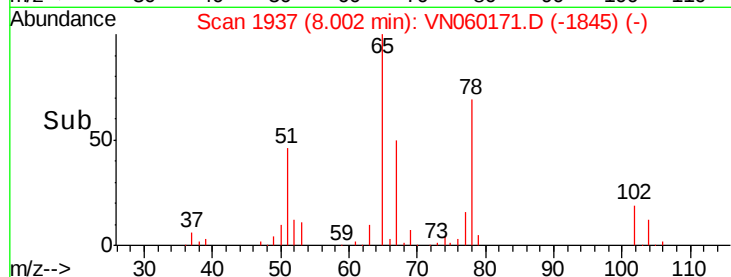
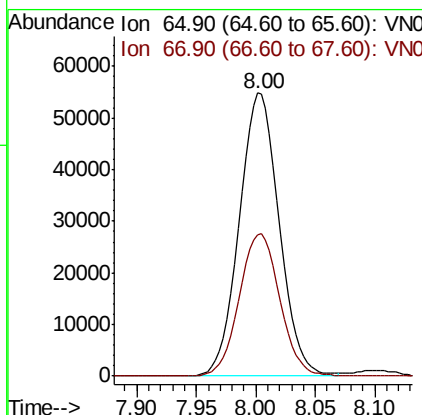
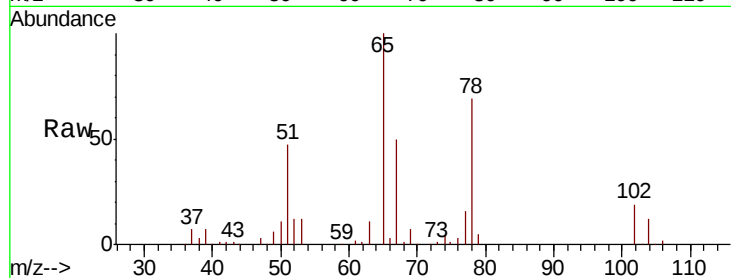




#33
 1,2-Dichloroethane-d4
 Concen: 51.009 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

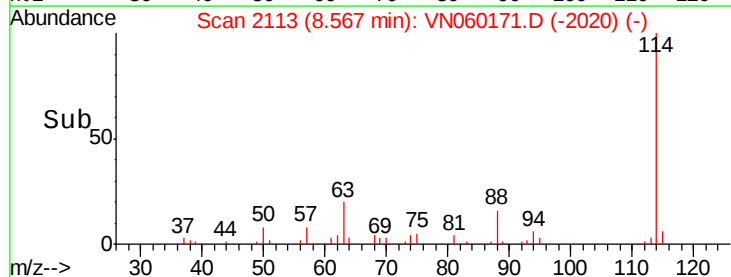
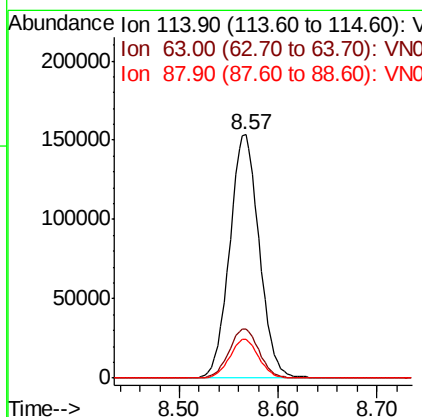
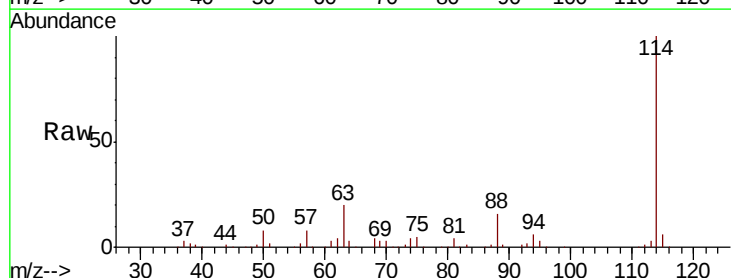
Instrument :
 MSVOA_N
 ClientSampleId :

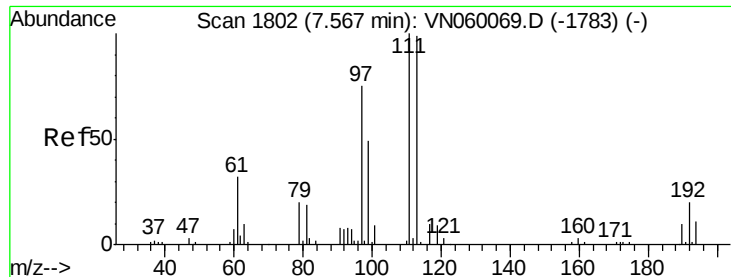
Tot Ion: 65 Resp: 127330
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion: 114 Resp: 320607
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.8 0.0 31.6

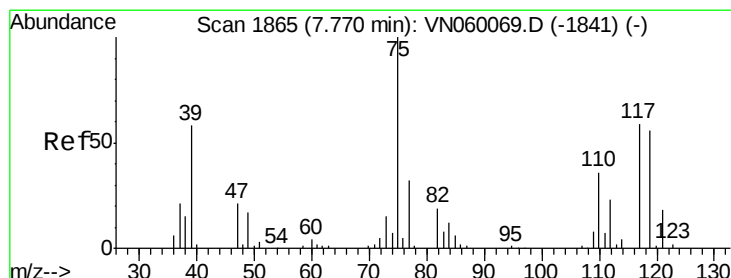
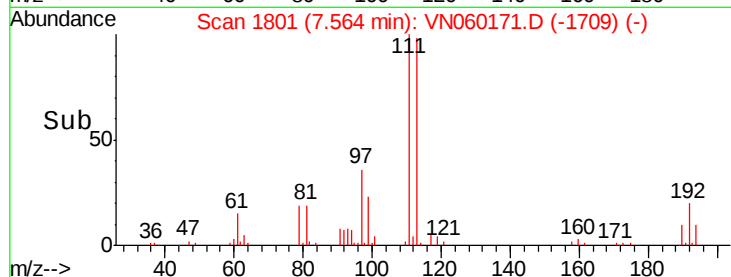
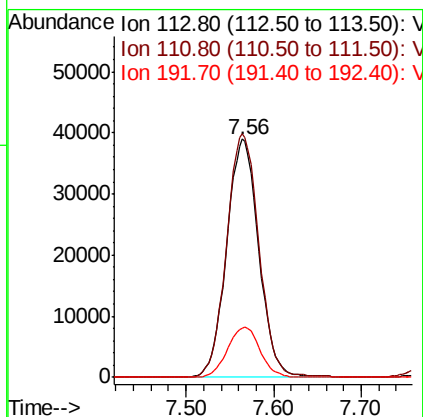
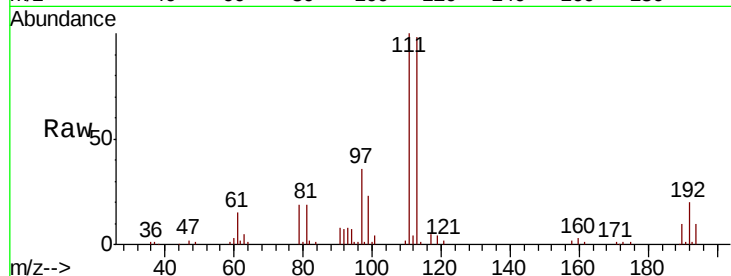




#35
 Dibromofluoromethane
 Concen: 50.396 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

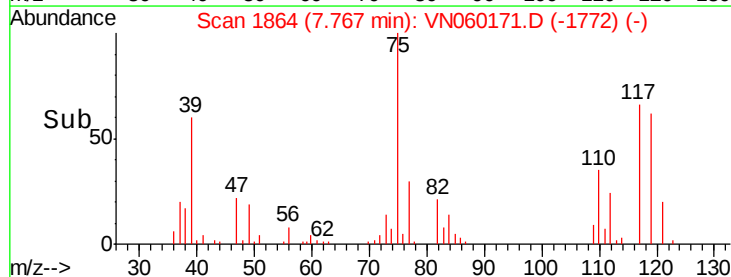
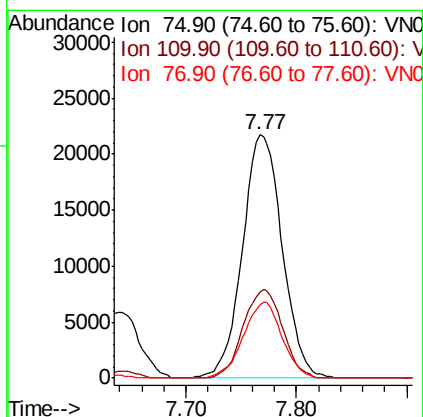
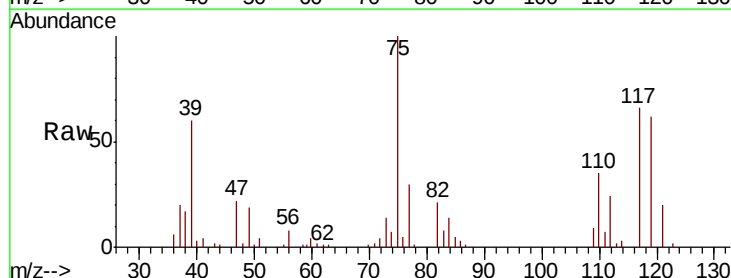
Instrument :
 MSVOA_N
 ClientSampled :

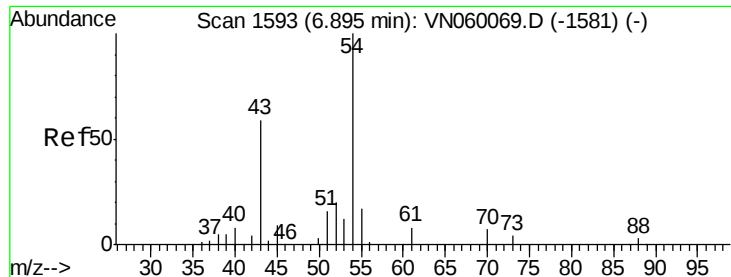
Tot Ion:113 Resp: 99320
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.2
 192 21.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 18.261 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion: 75 Resp: 54229
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.1 54.3
 77 30.4 25.1 37.7

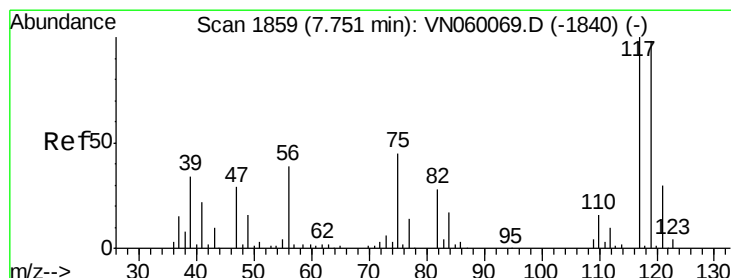
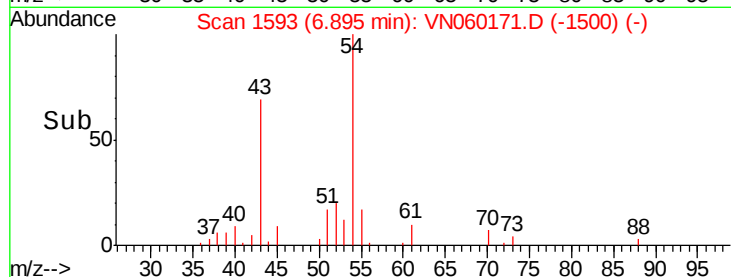
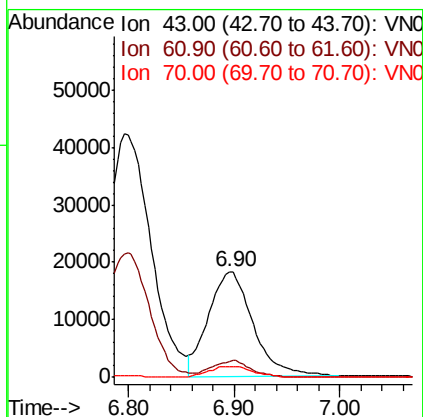
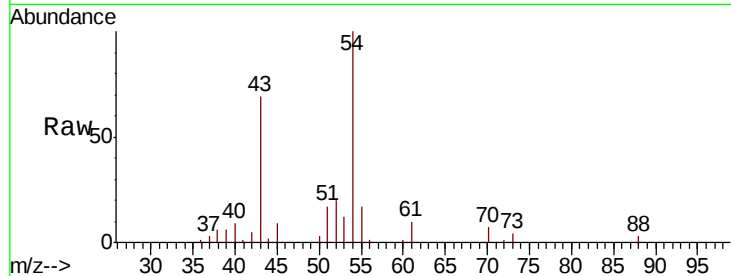




#37
Ethyl Acetate
Concen: 19.834 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

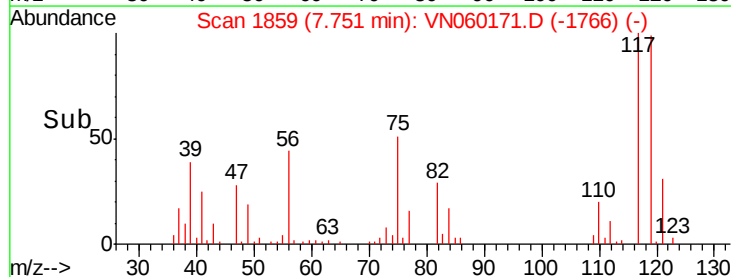
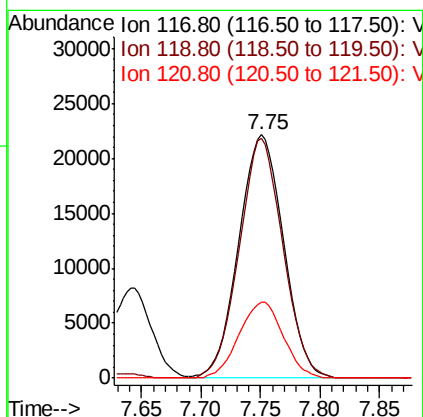
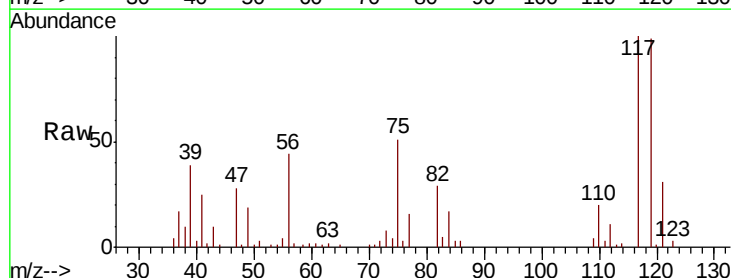
Instrument :
MSVOA_N
ClientSampled :

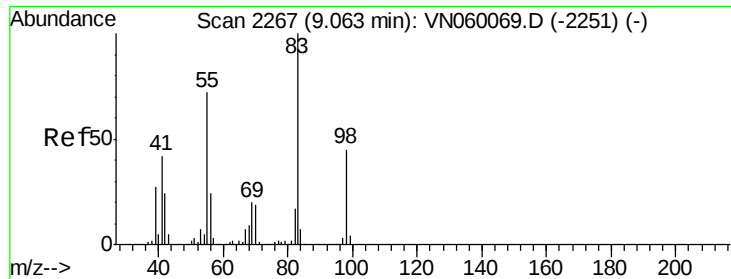
Tot Ion: 43 Resp: 53231
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.2
70 10.6 8.7 13.1



#38
Carbon Tetrachloride
Concen: 17.896 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 117 Resp: 57717
Ion Ratio Lower Upper
117 100
119 98.7 78.2 117.4
121 31.2 24.2 36.2

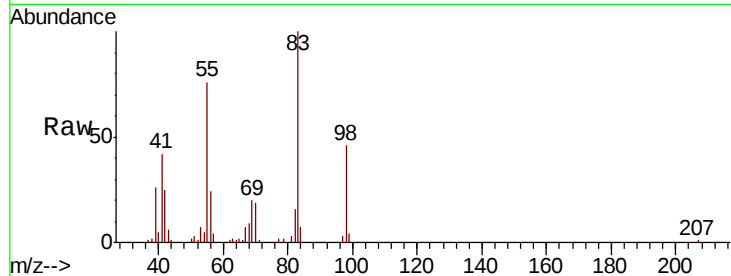




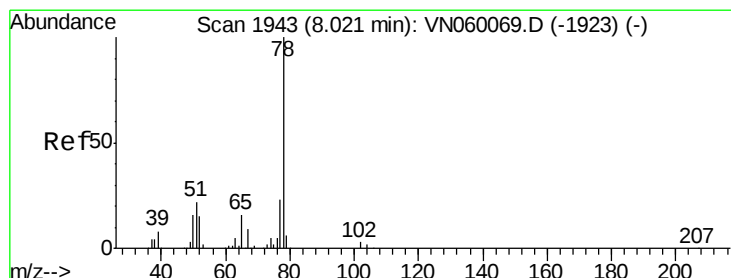
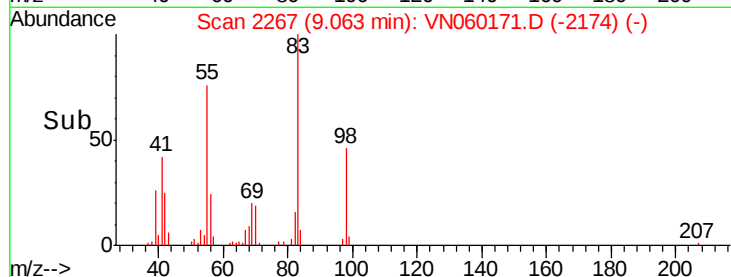
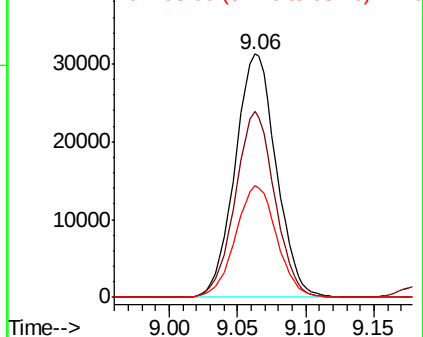
#39
Methvlcvclohexane
Concen: 17.771 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 65509
Ion Ratio Lower Upper
83 100
55 76.3 57.8 86.8
98 45.7 36.4 54.6

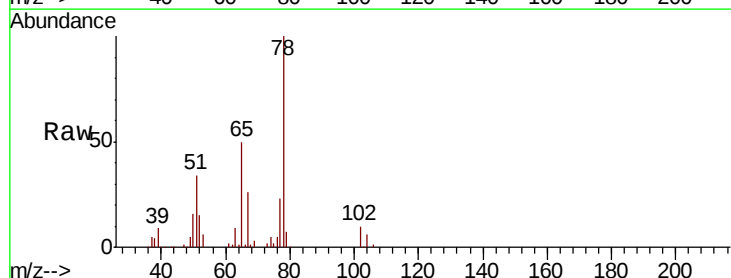


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

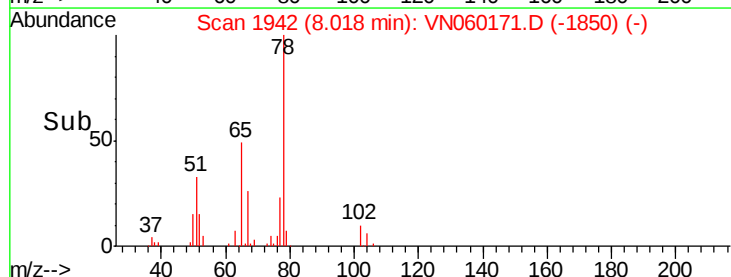
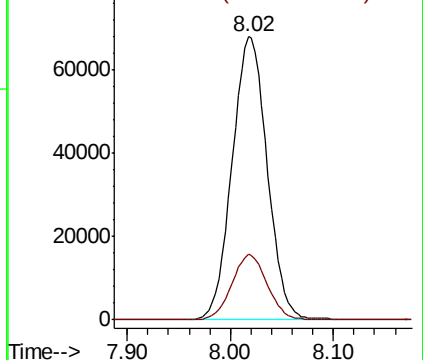


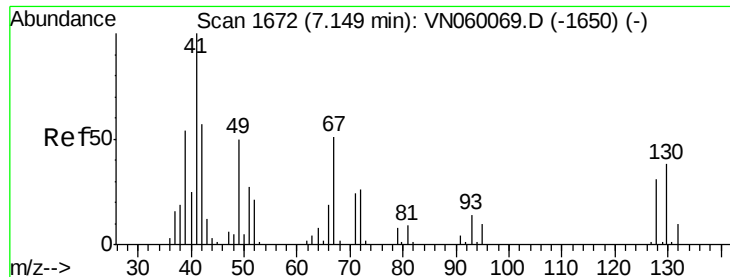
#40
Benzene
Concen: 18.284 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 78 Resp: 161067
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

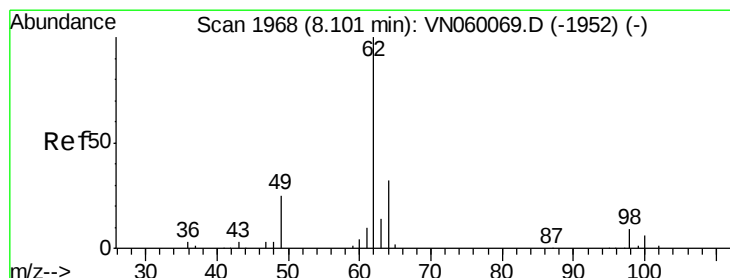
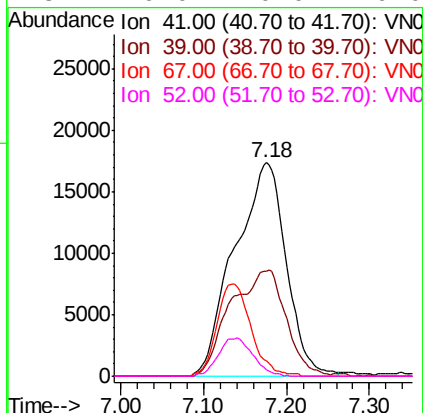
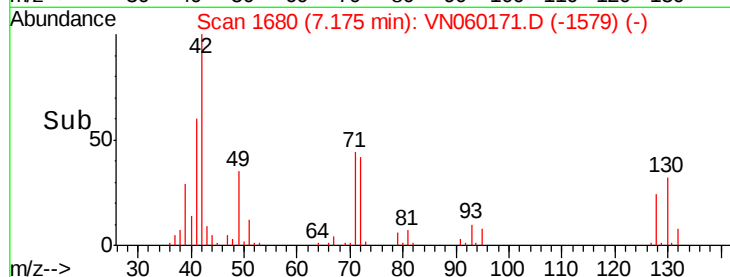
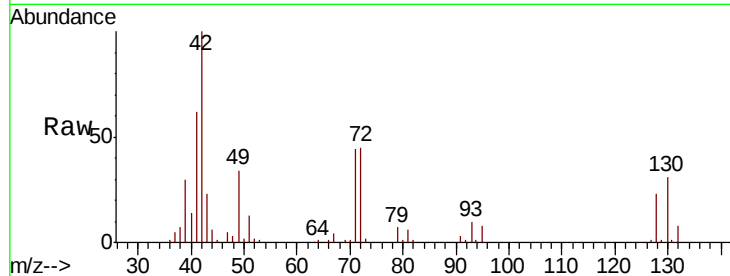




#41
Methacrylonitrile
Concen: 66.353 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

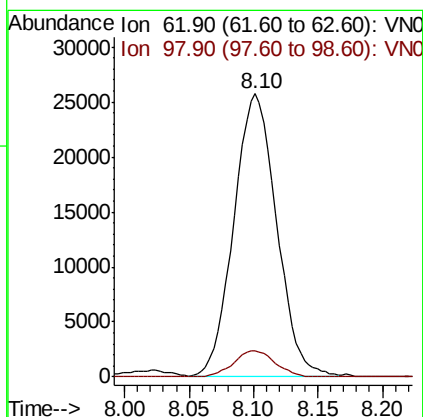
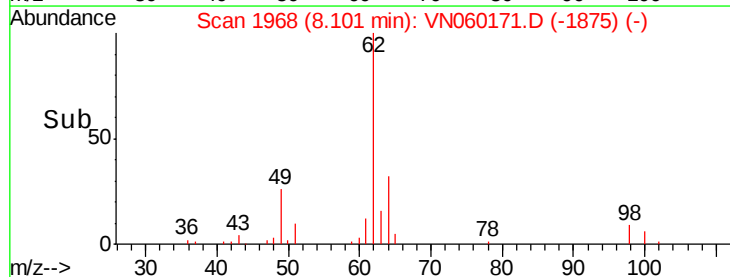
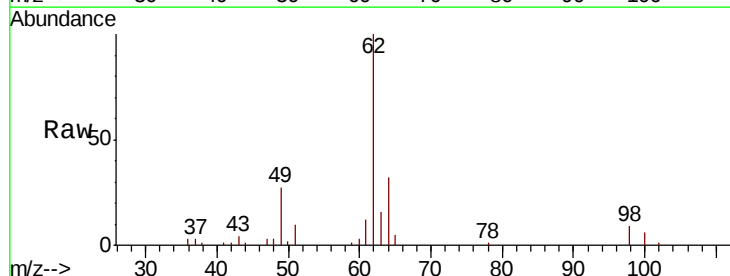
Instrument :
MSVOA_N
ClientSampled :

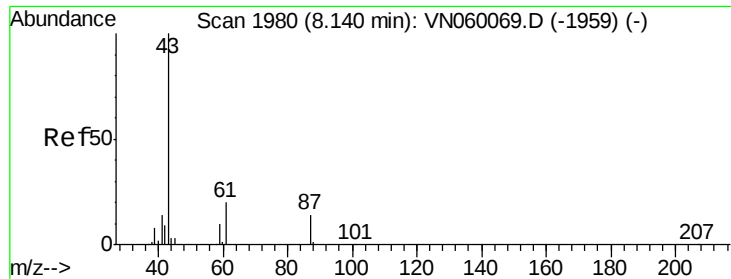
Tot Ion: 41 Resp: 74682
Ion Ratio Lower Upper
41 100
39 53.6 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 19.352 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 62 Resp: 59747
Ion Ratio Lower Upper
62 100
98 8.9 0.0 18.2

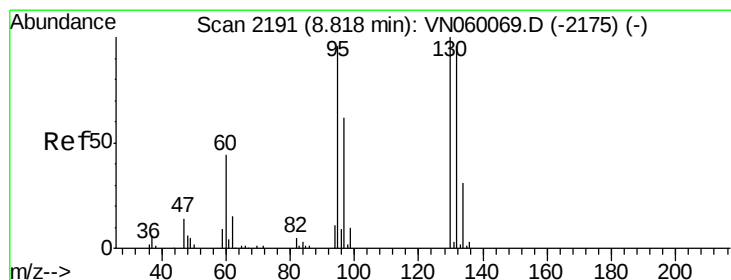
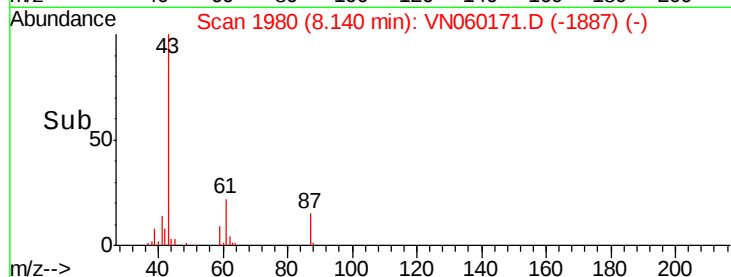
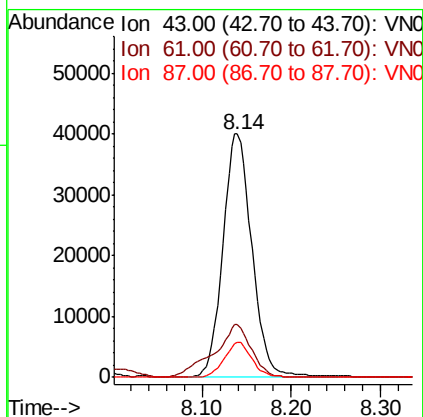
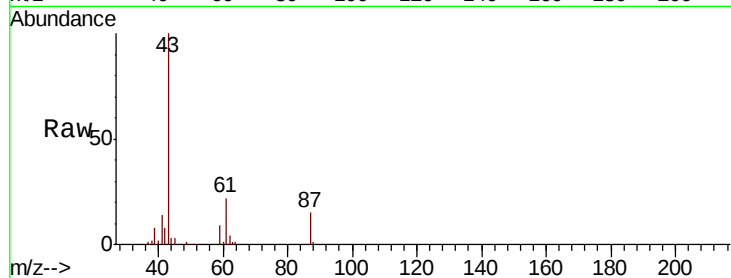




#43
Isopropyl Acetate
Concen: 19.669 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

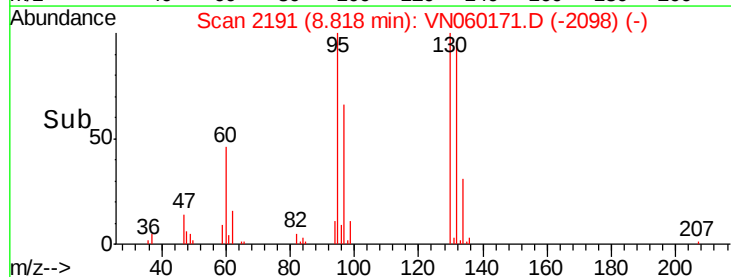
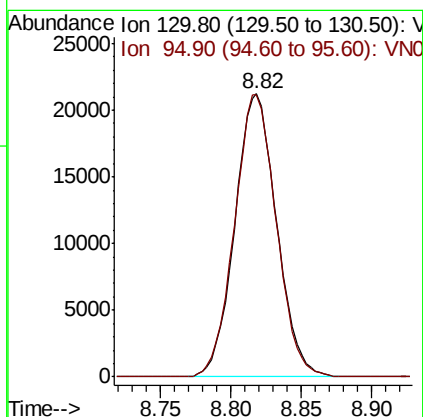
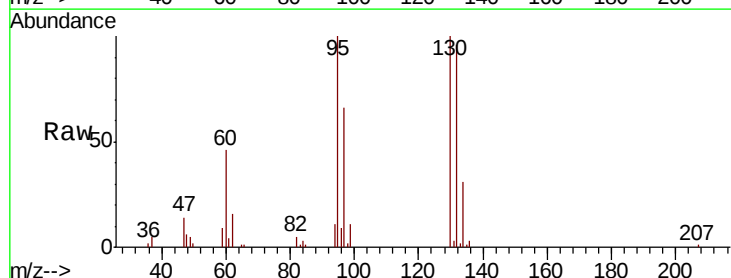
Instrument :
MSVOA_N
ClientSampled :

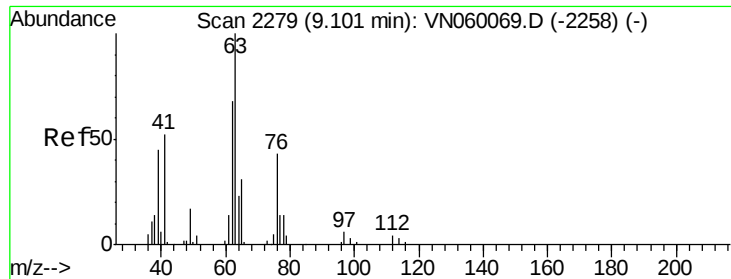
Tot Ion: 43 Resp: 90237
Ion Ratio Lower Upper
43 100
61 27.7 21.8 32.6
87 13.6 11.4 17.2



#44
Trichloroethene
Concen: 18.008 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion:130 Resp: 43923
Ion Ratio Lower Upper
130 100
95 99.8 0.0 192.4





#45

1,2-Dichloropropane

Concen: 19.616 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

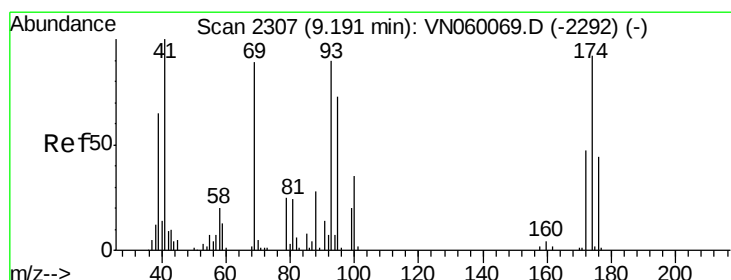
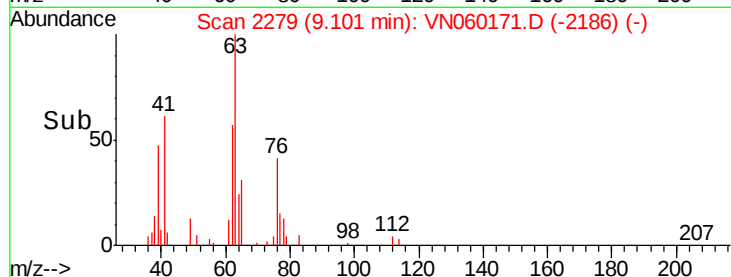
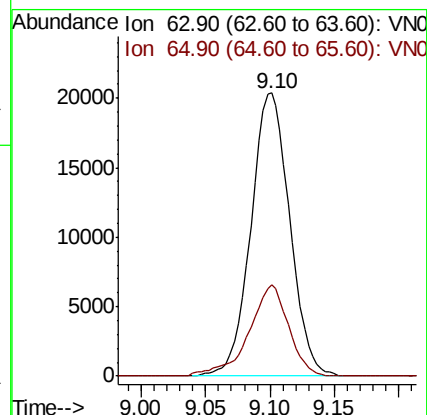
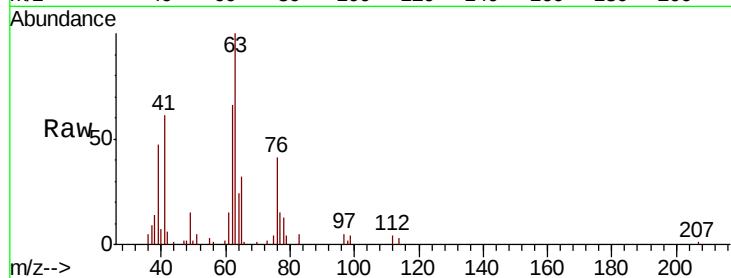
ClientSampled :

Tot Ion: 63 Resp: 42780

Ion Ratio Lower Upper

63 100

65 32.2 25.0 37.4



#46

Dibromomethane

Concen: 18.990 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

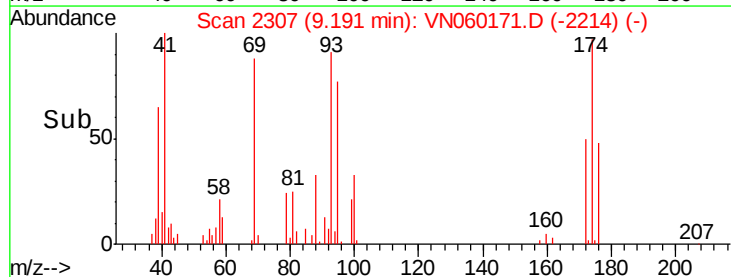
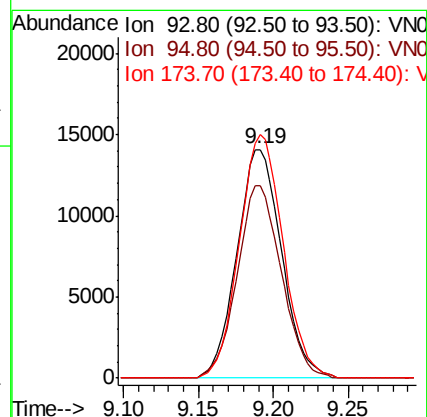
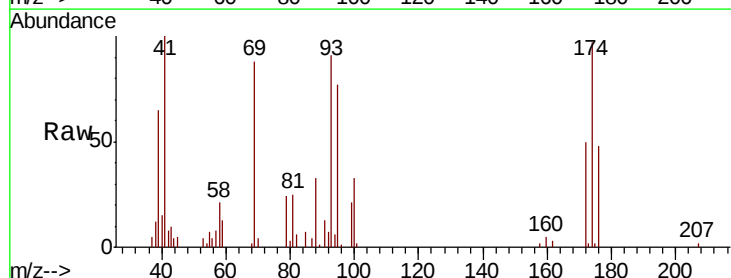
Tgt Ion: 93 Resp: 29267

Ion Ratio Lower Upper

93 100

95 83.2 65.0 97.6

174 104.5 82.3 123.5





#47

Bromodichloromethane

Concen: 18.630 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

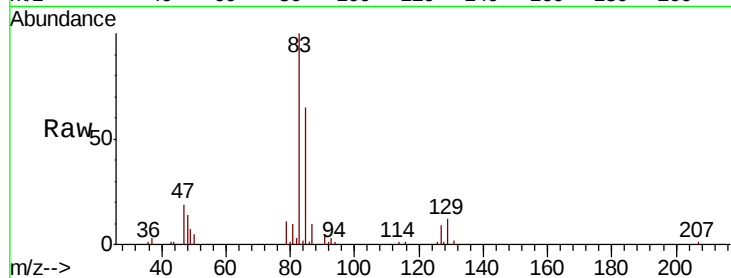
Tot Ion: 83 Resp: 58374

Ion Ratio Lower Upper

83 100

85 64.7 50.6 75.8

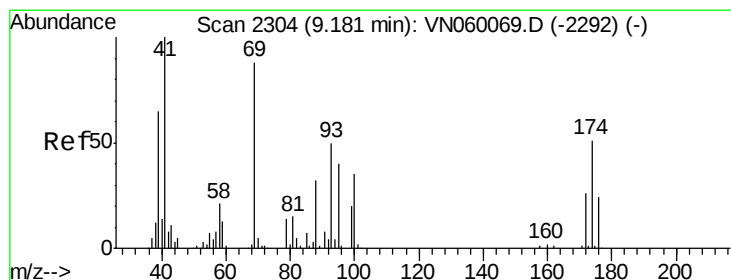
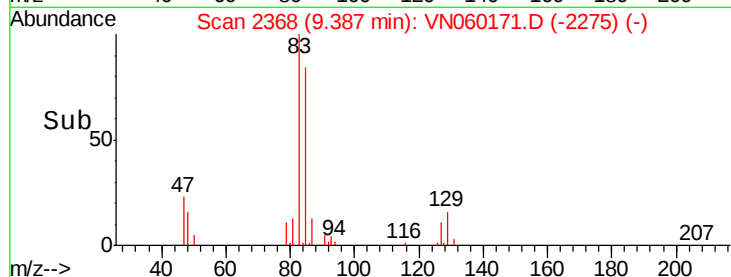
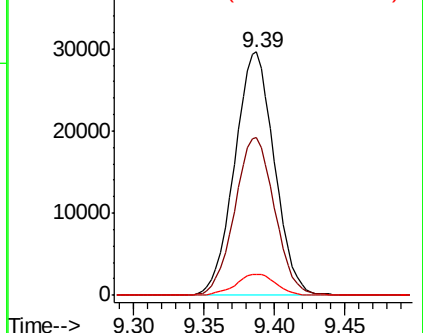
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN060171.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060171.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060171.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.577 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

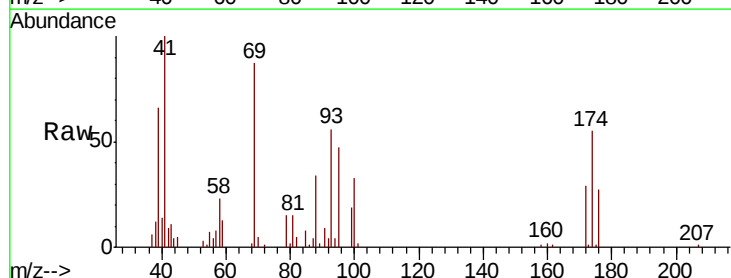
Tgt Ion: 41 Resp: 38238

Ion Ratio Lower Upper

41 100

69 89.8 72.0 108.0

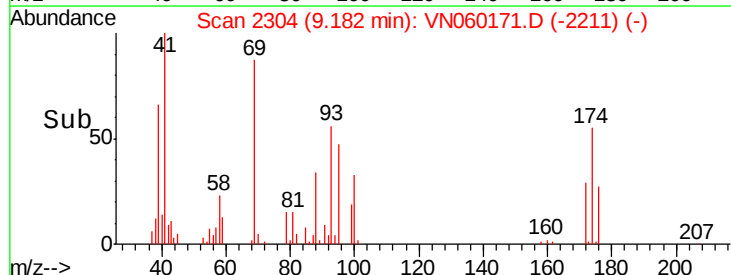
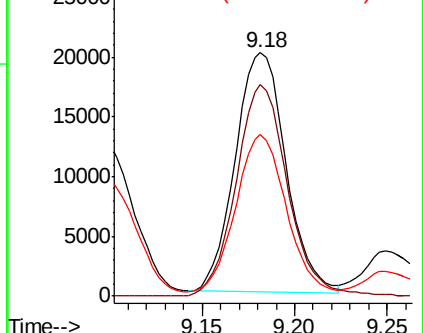
39 68.8 54.1 81.1

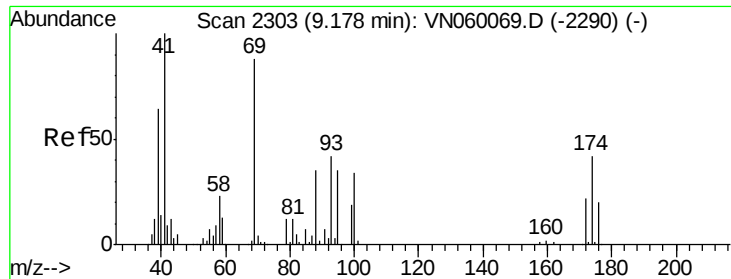


Abundance Ion 41.00 (40.70 to 41.70): VN060171.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060171.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060171.D (-2211) (-)

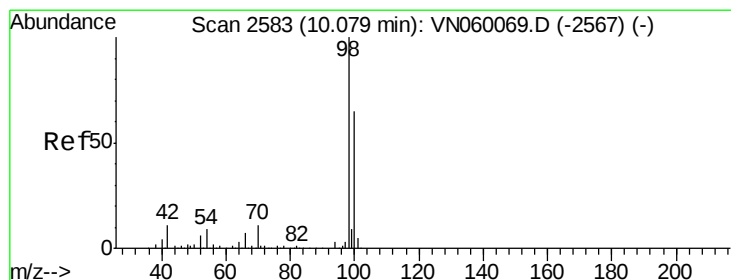
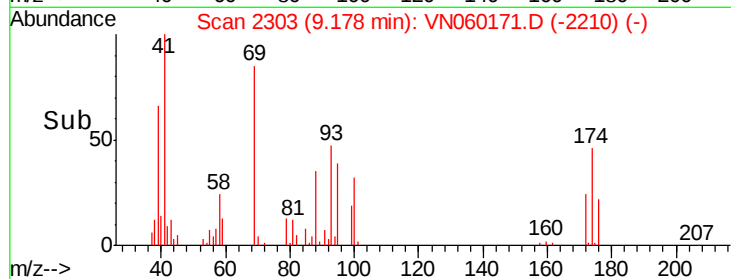
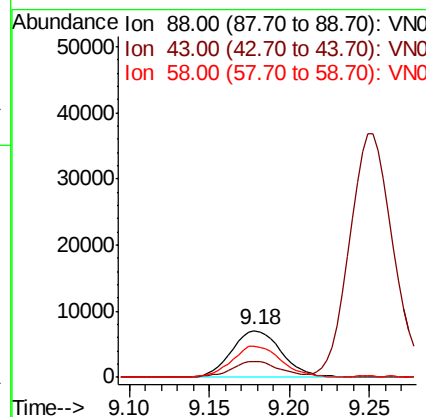
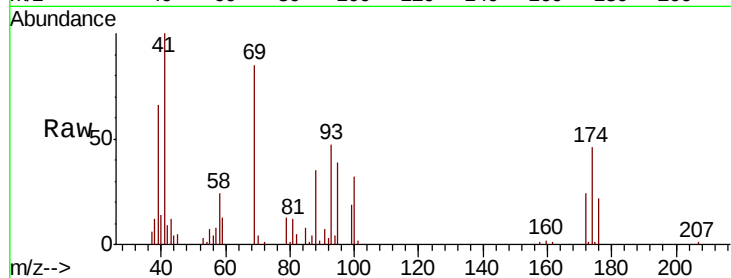




#49
 1,4-Dioxane
 Concen: 426.506 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

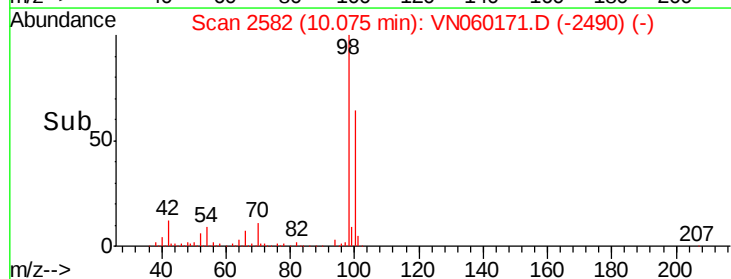
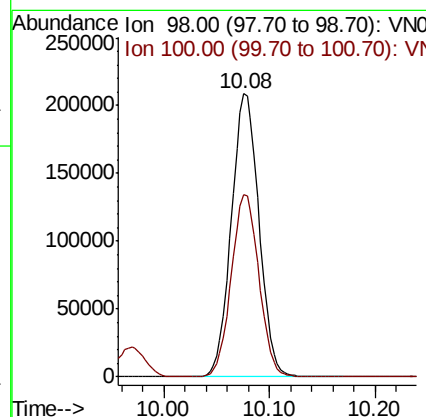
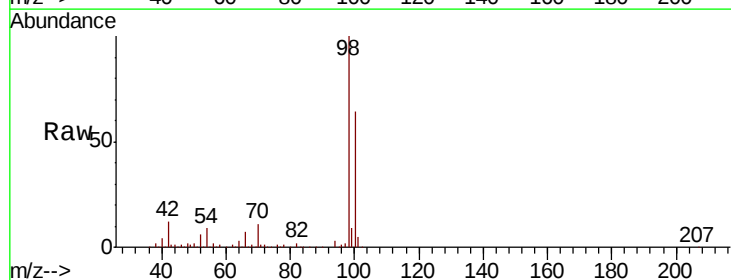
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 15000
 Ion Ratio Lower Upper
 88 100
 43 32.4 26.2 39.2
 58 66.0 53.2 79.8



#50
 Toluene-d8
 Concen: 48.772 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion: 98 Resp: 378508
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 96.463 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

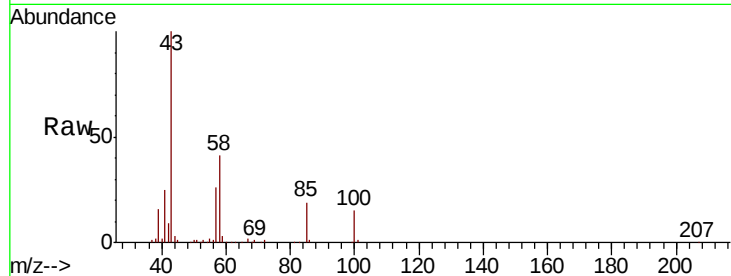
ClientSampled :

Tot Ion: 43 Resp: 256157

Ion Ratio Lower Upper

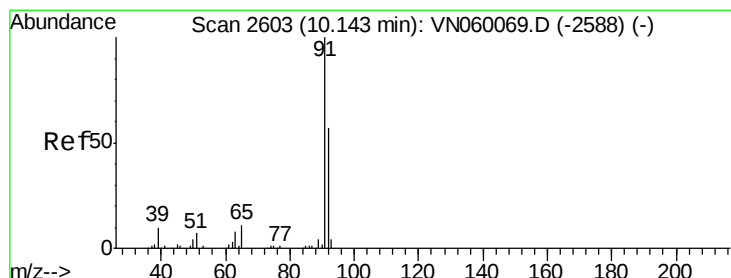
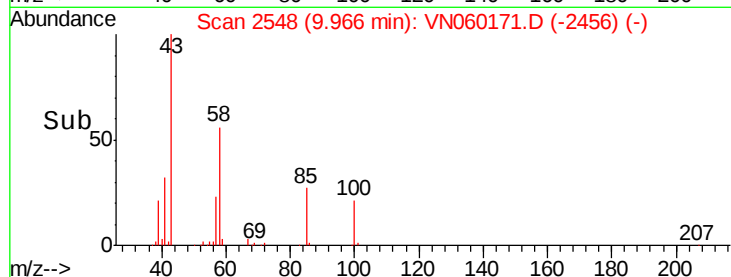
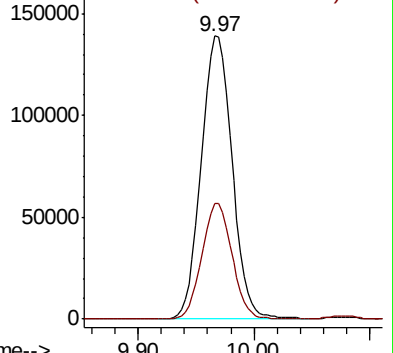
43 100

58 40.1 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.674 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060171.D

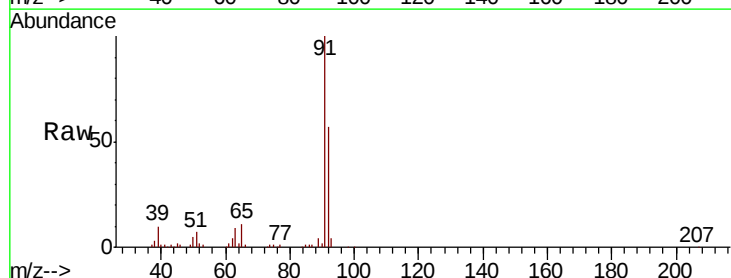
Acq: 20 Feb 2020 14:48

Tgt Ion: 92 Resp: 105487

Ion Ratio Lower Upper

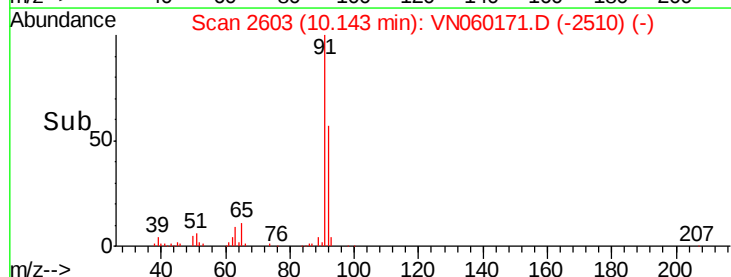
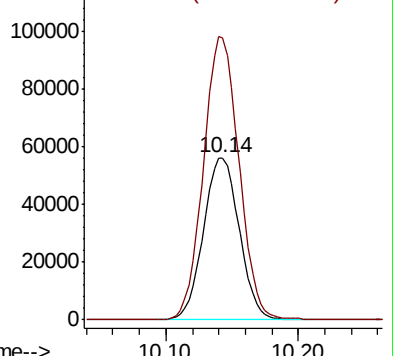
92 100

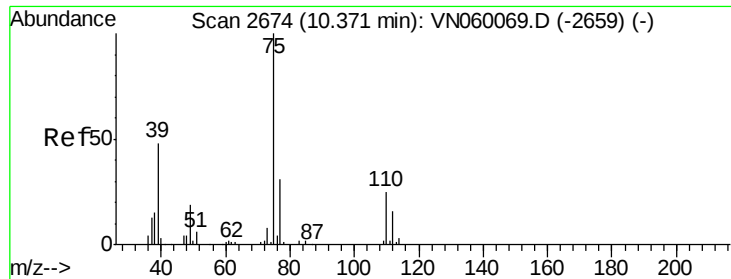
91 173.3 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.991 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

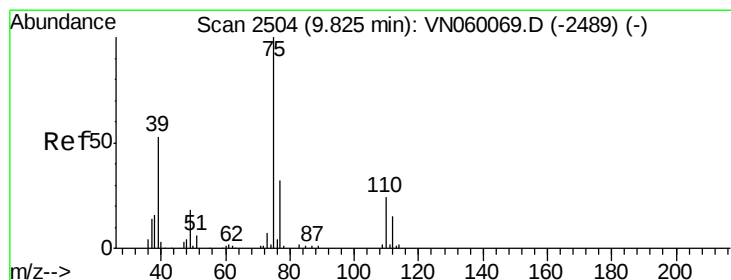
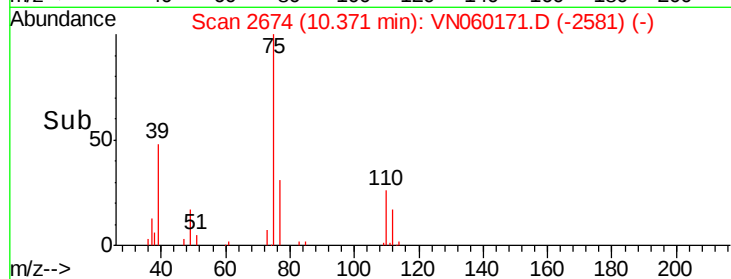
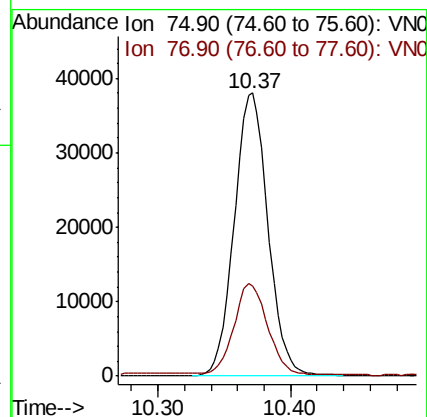
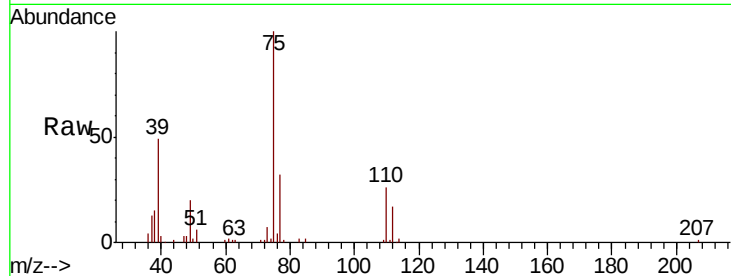
ClientSampleId :

Tot Ion: 75 Resp: 67167

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.865 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

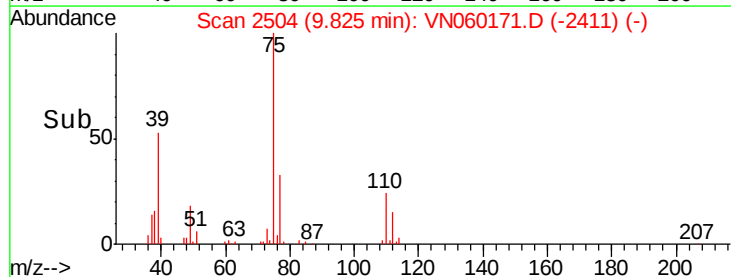
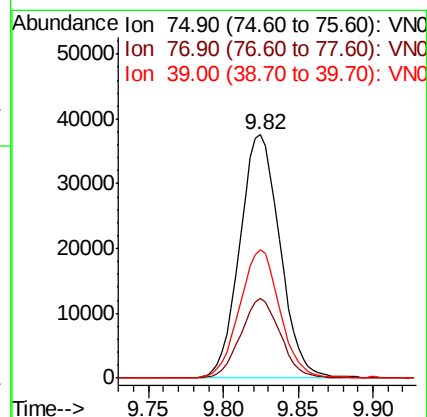
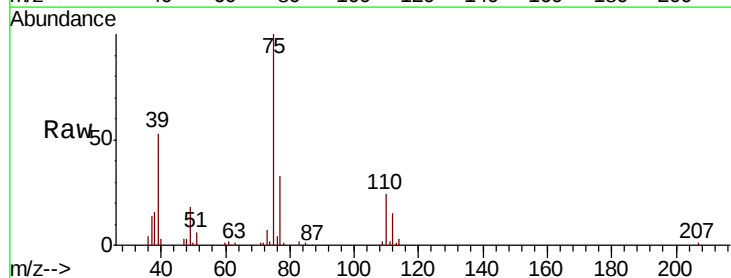
Tgt Ion: 75 Resp: 70257

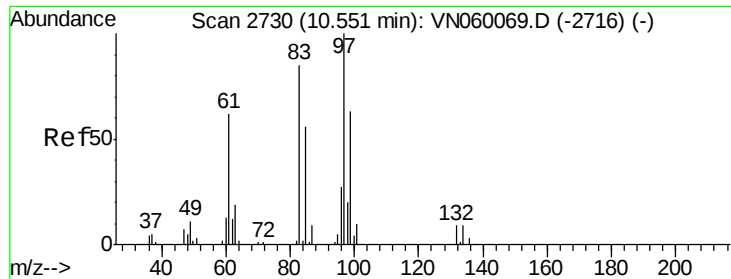
Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4

39 52.6 42.2 63.4

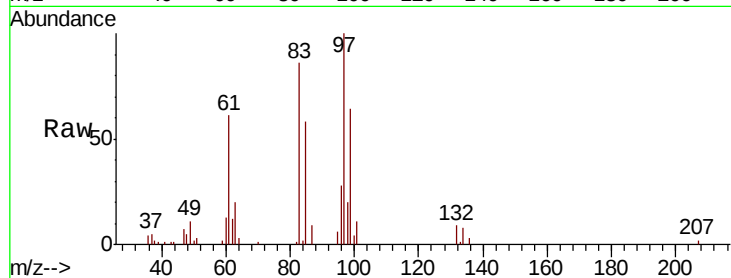




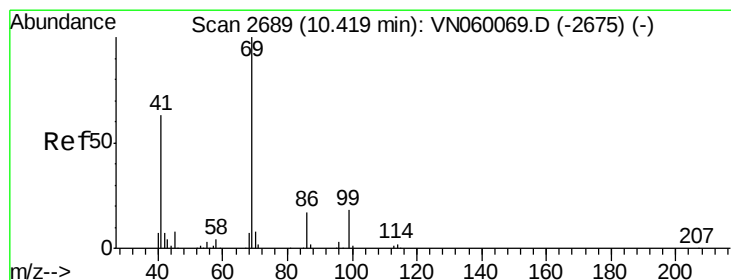
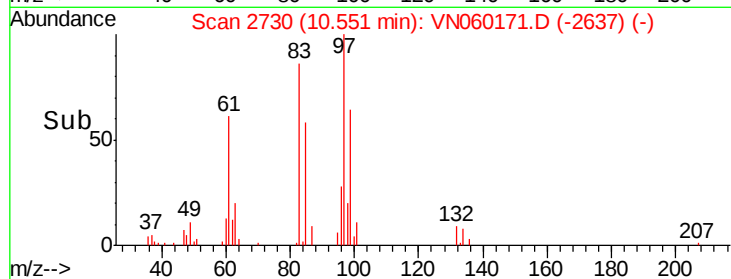
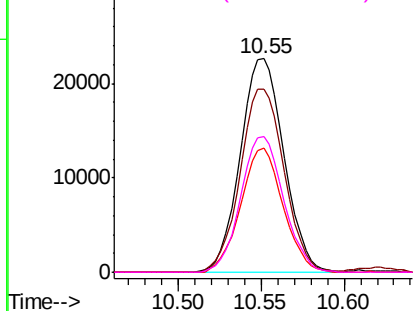
#55
 1,1,2-Trichloroethane
 Concen: 18.866 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	41576
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.9	101.9
85	58.0	44.6	67.0
99	63.6	50.1	75.1

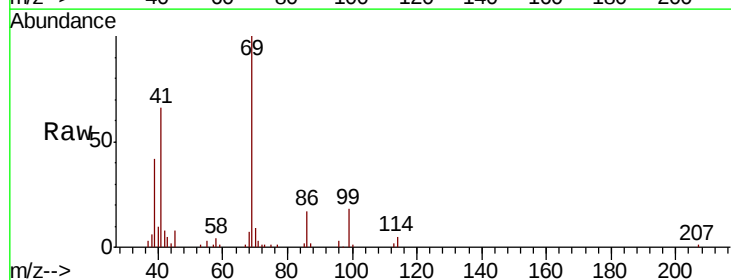


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

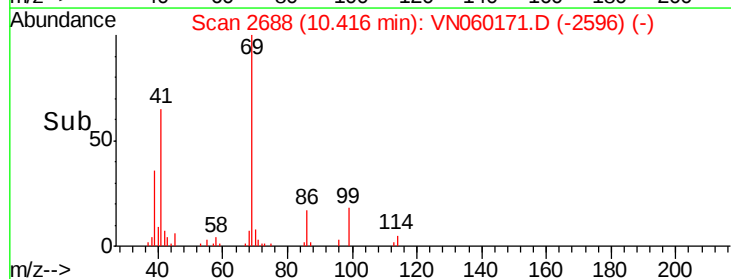
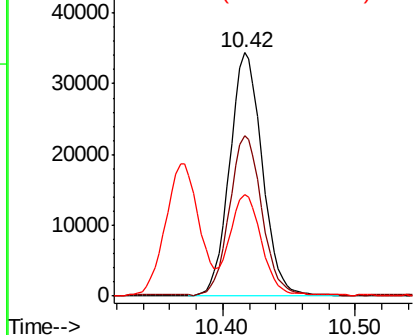


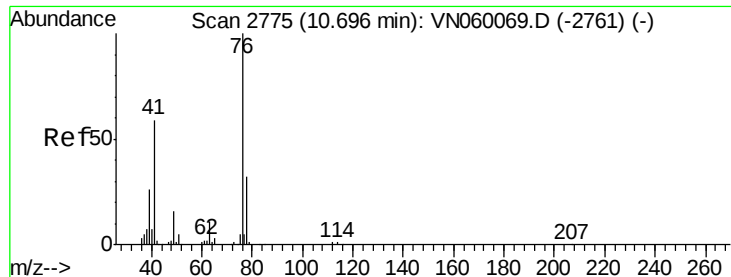
#56
 Ethyl methacrylate
 Concen: 18.875 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion:	69	Resp:	58843
Ion	Ratio	Lower	Upper
69	100		
41	65.9	51.1	76.7
39	42.2	33.8	50.8



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

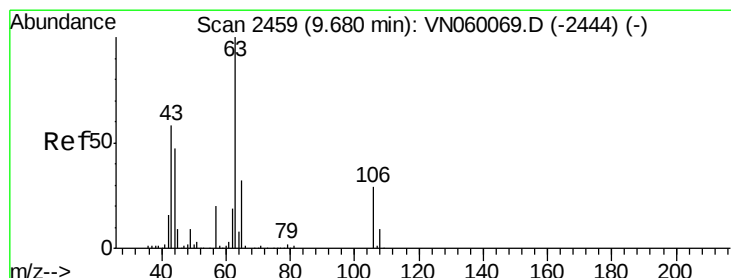
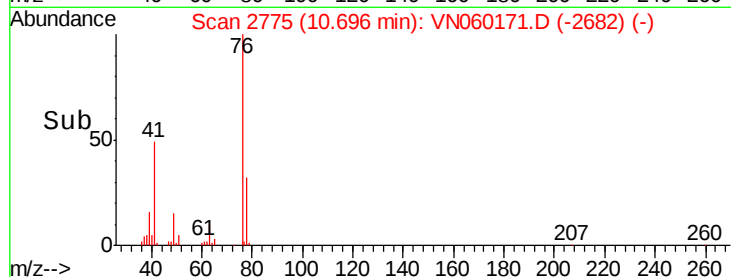
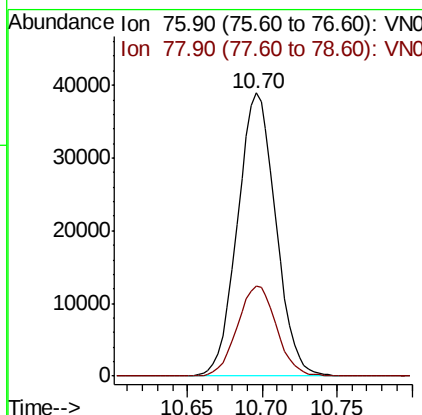
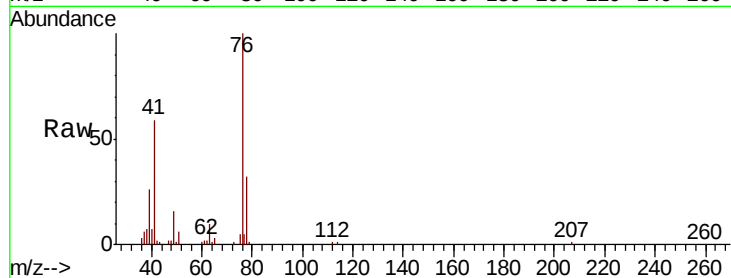




#57
 1,3-Dichloropropane
 Concen: 19.024 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

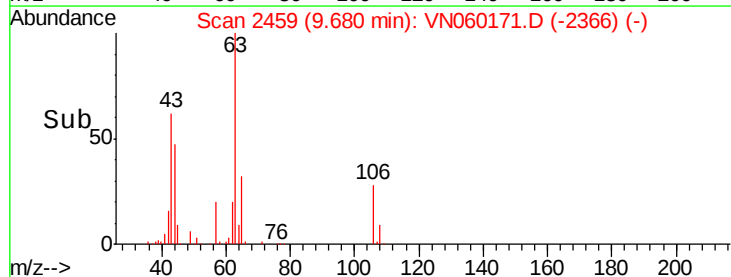
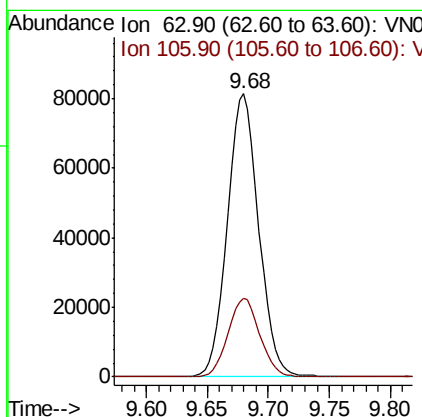
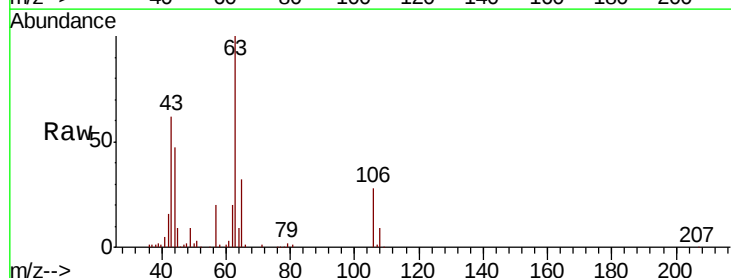
Instrument :
 MSVOA_N
 ClientSampled :

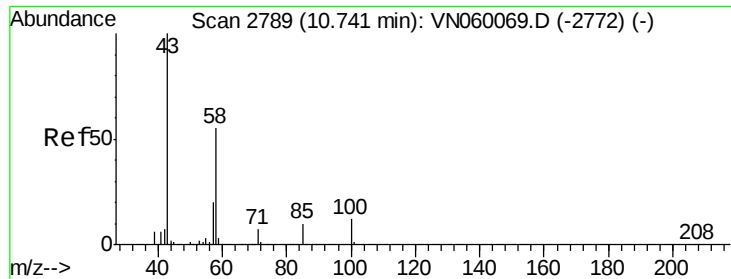
Tot Ion: 76 Resp: 69177
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.583 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion: 63 Resp: 146081
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.9 34.3

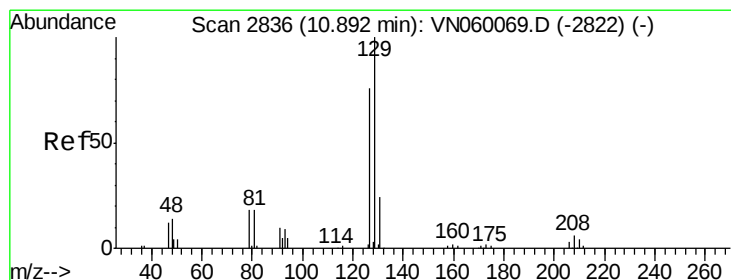
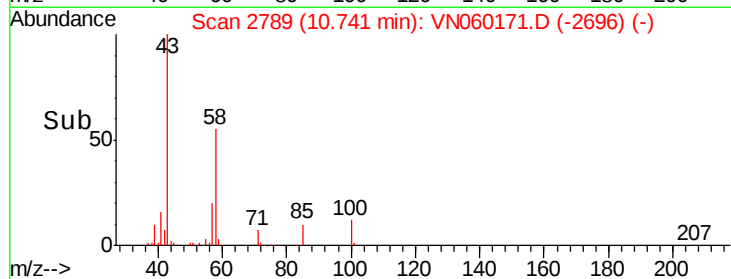
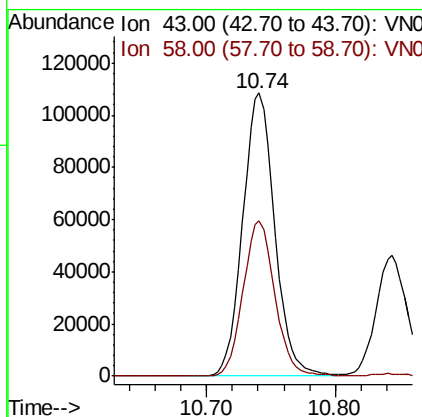
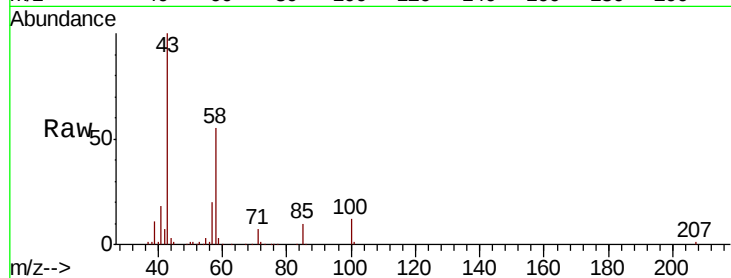




#59
2-Hexanone
Concen: 91.504 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

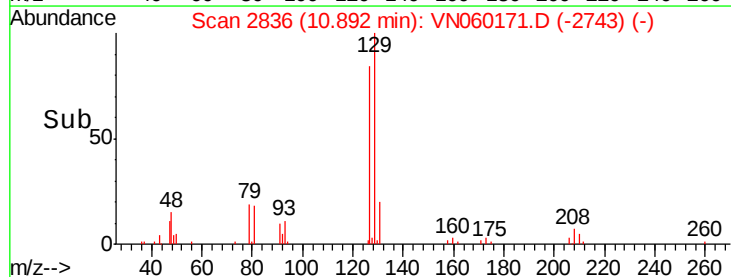
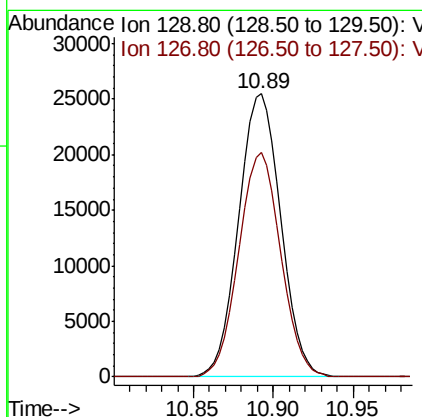
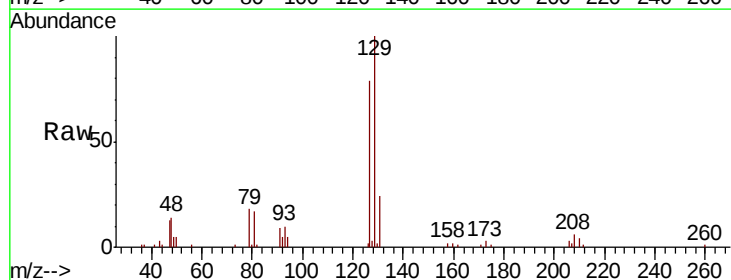
Instrument :
MSVOA_N
ClientSampleId :

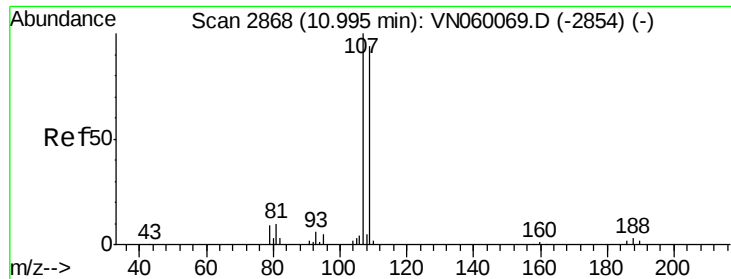
Tot Ion: 43 Resp: 187701
Ion Ratio Lower Upper
43 100
58 54.3 27.5 82.4



#60
Dibromochloromethane
Concen: 18.099 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 129 Resp: 45770
Ion Ratio Lower Upper
129 100
127 78.9 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.629 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

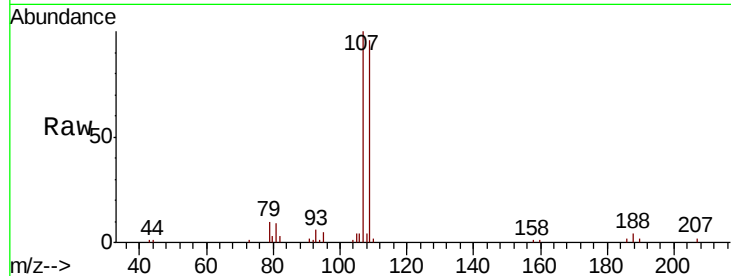
ClientSampleId :

Tot Ion:107 Resp: 43037

Ion Ratio Lower Upper

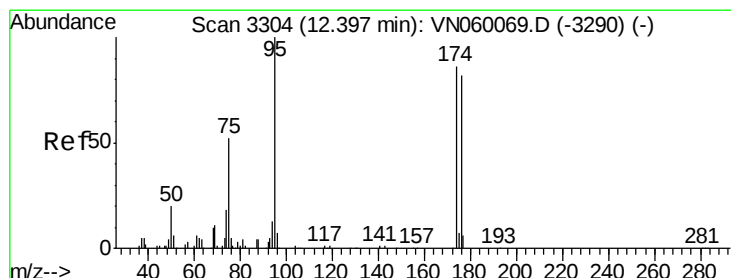
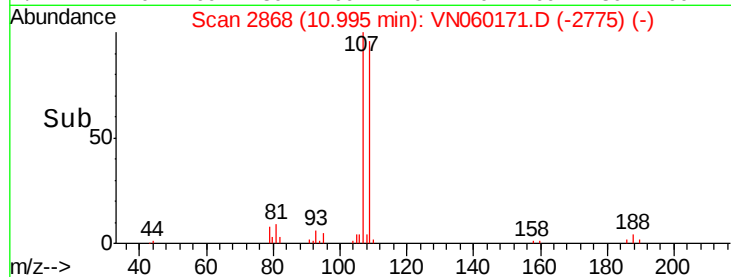
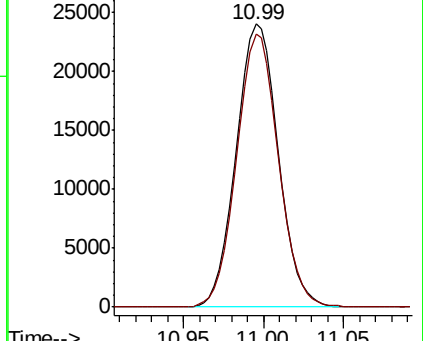
107 100

109 95.5 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.937 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

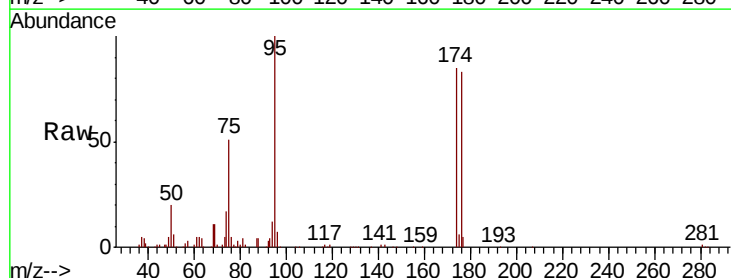
Tgt Ion: 95 Resp: 139555

Ion Ratio Lower Upper

95 100

174 83.8 0.0 169.8

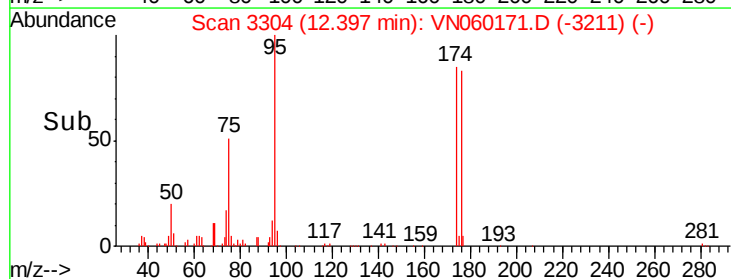
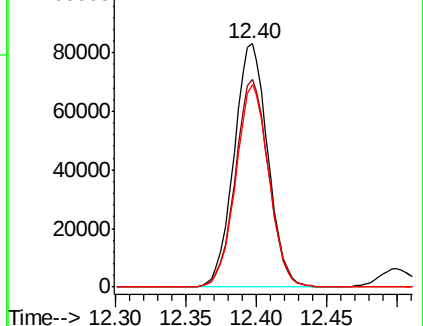
176 81.4 0.0 164.8

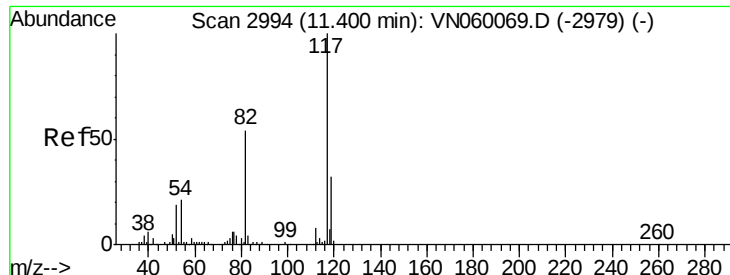


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

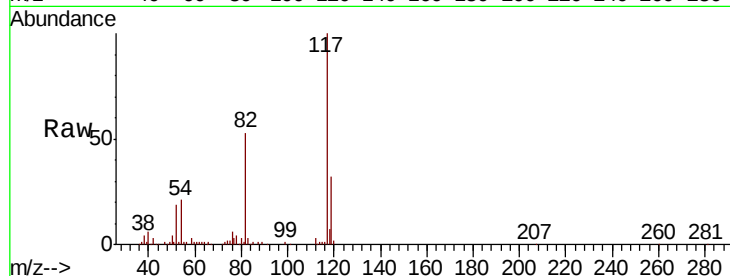




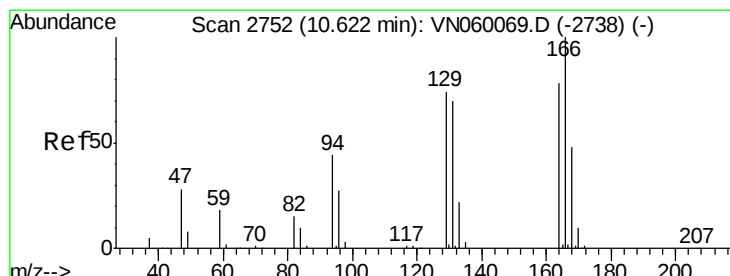
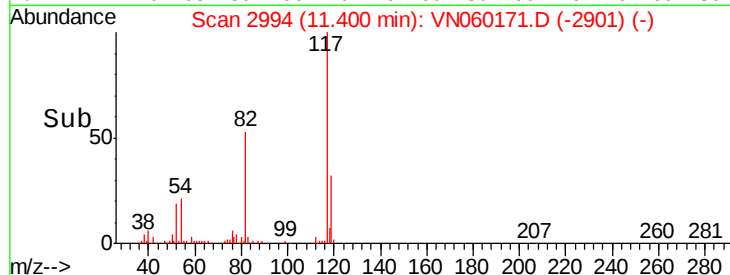
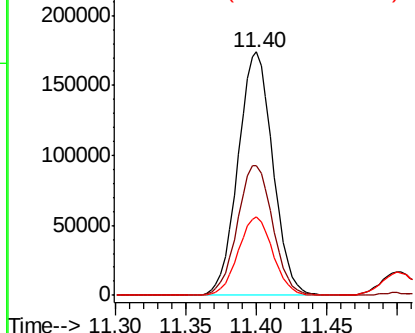
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 301410
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.1 25.8 38.6

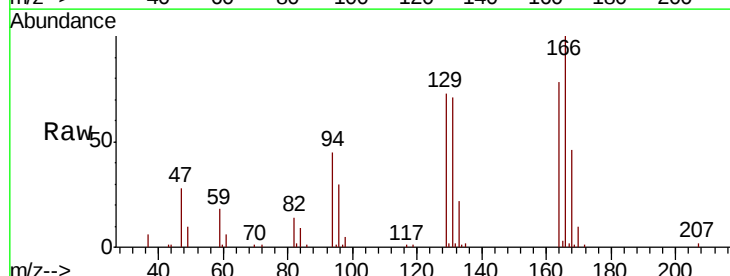


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

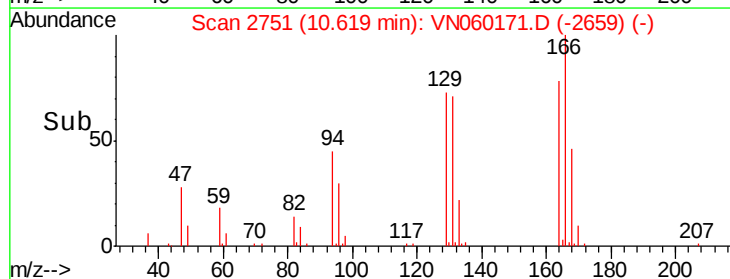
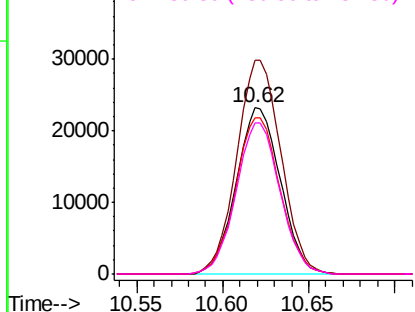


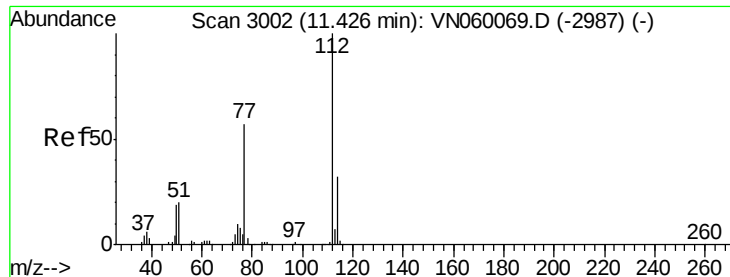
#64
Tetrachloroethene
Concen: 18.090 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion:164 Resp: 41449
Ion Ratio Lower Upper
164 100
166 128.4 101.9 152.9
129 94.1 75.4 113.0
131 91.0 71.4 107.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

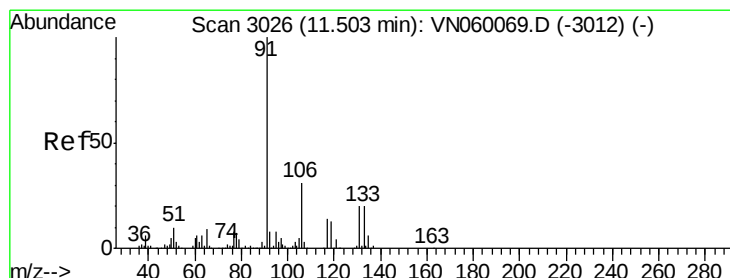
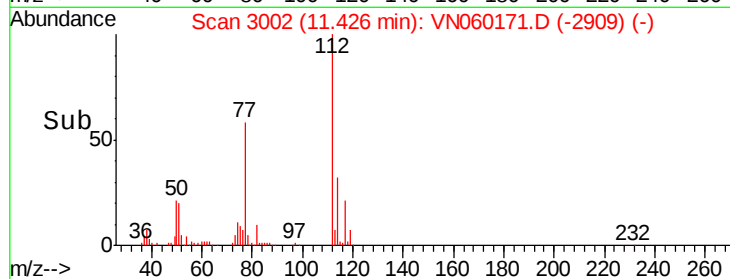
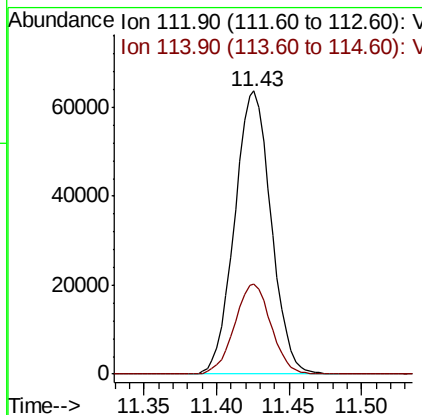
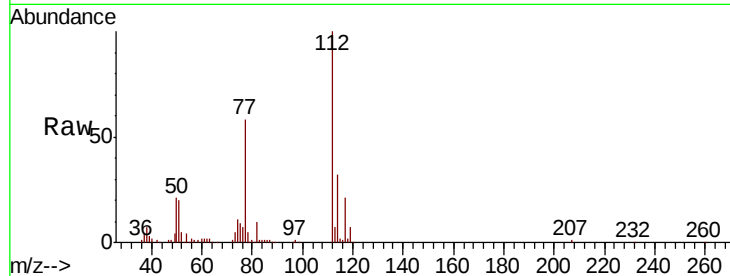




#65
Chlorobenzene
Concen: 18.101 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

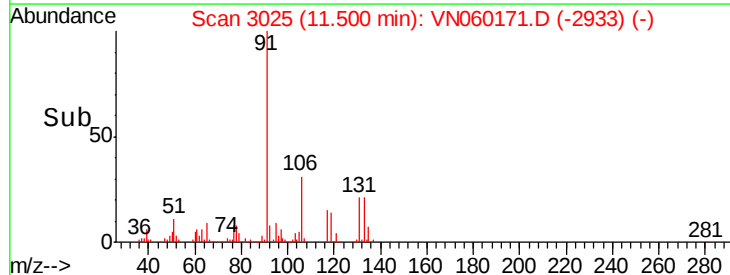
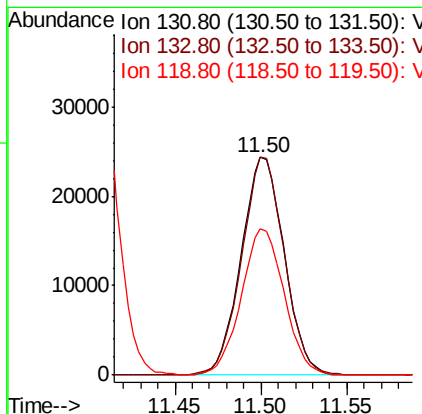
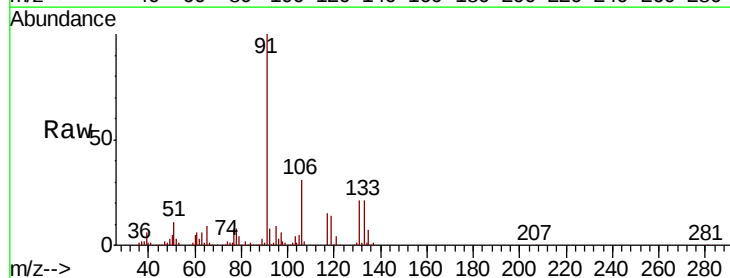
Instrument :
MSVOA_N
ClientSampled :

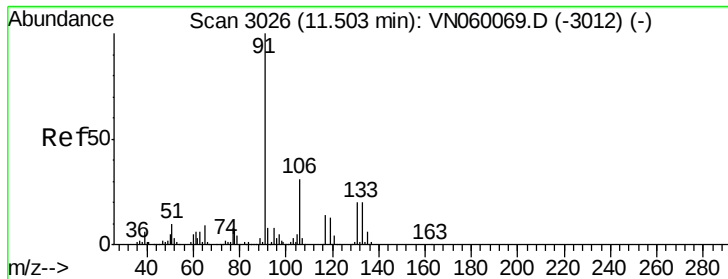
Tot Ion:112 Resp: 111152
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.175 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion:131 Resp: 42222
Ion Ratio Lower Upper
131 100
133 99.0 47.9 143.7
119 67.0 32.6 97.7





#67

Ethyl Benzene

Concen: 18.220 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

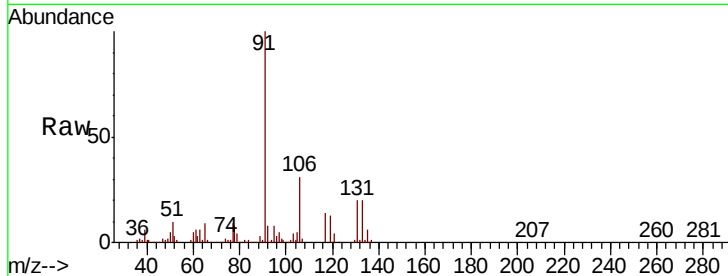
ClientSampled :

Tot Ion: 91 Resp: 201793

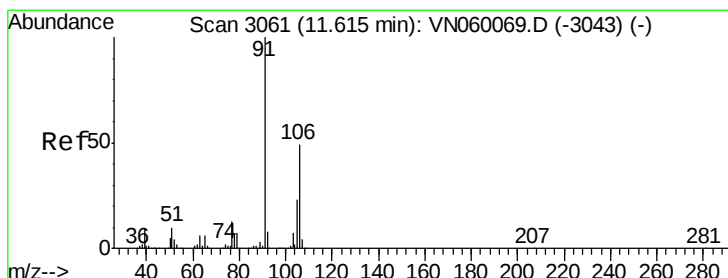
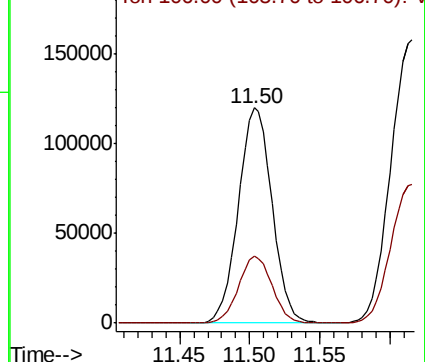
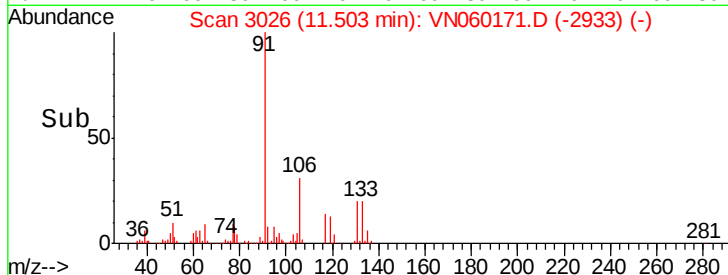
Ion Ratio Lower Upper

91 100

106 30.9 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN060171.D (-2933) (-)



#68

m/p-Xylenes

Concen: 36.608 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060171.D

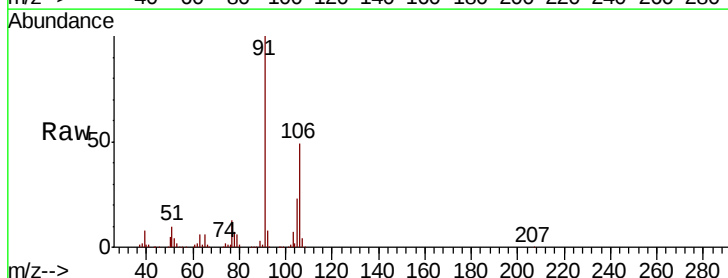
Acq: 20 Feb 2020 14:48

Tgt Ion: 106 Resp: 152172

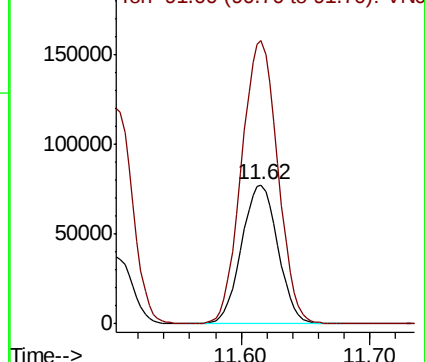
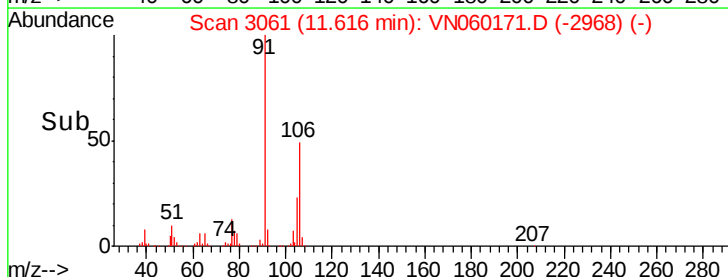
Ion Ratio Lower Upper

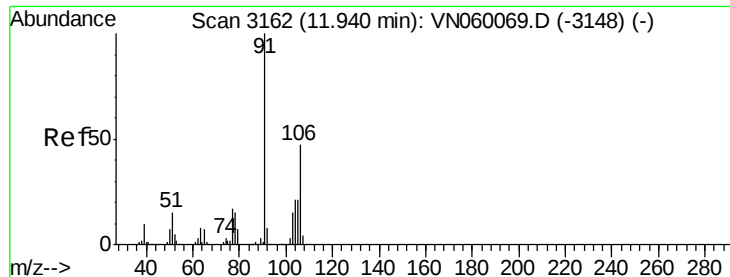
106 100

91 202.7 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060171.D (-2968) (-)

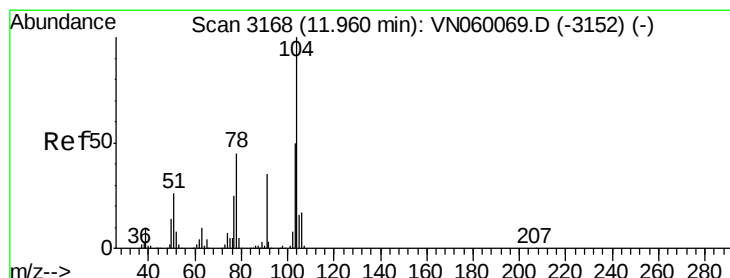
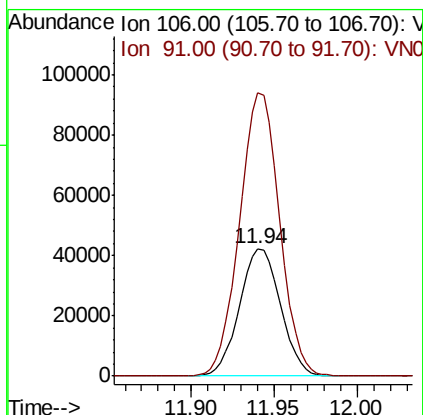
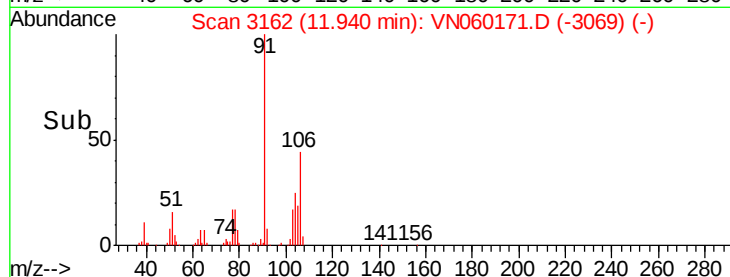
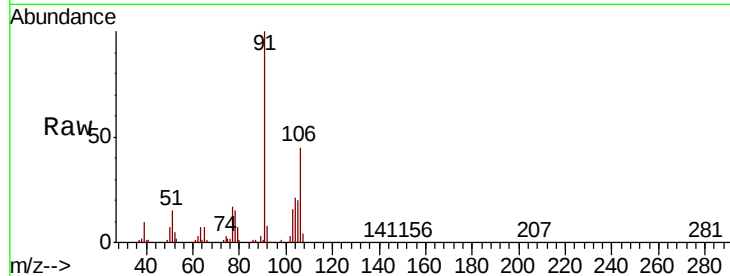




#69
o-Xylene
Concen: 18.189 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

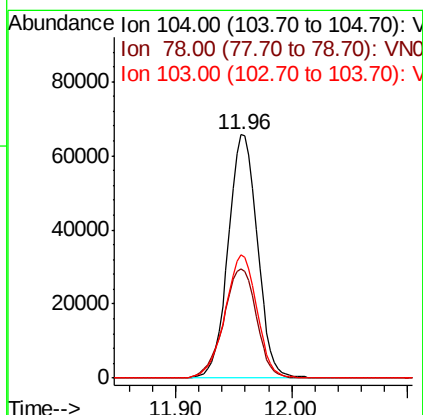
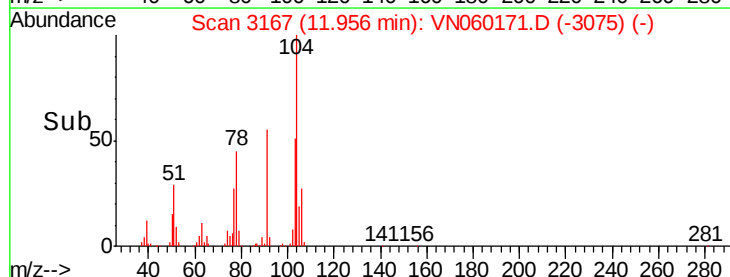
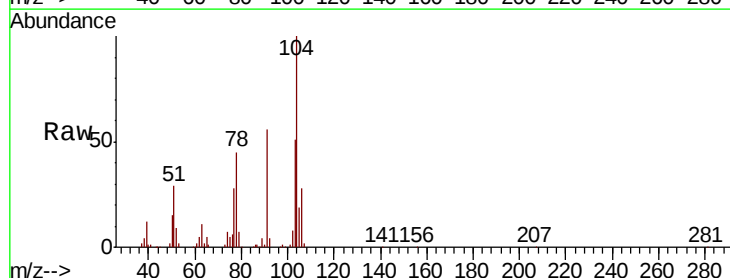
Instrument :
MSVOA_N
ClientSampleId :

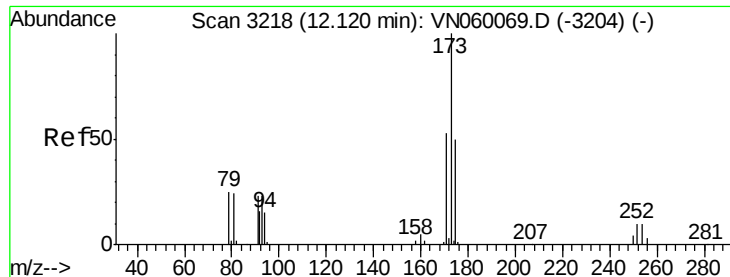
Tot Ion:106 Resp: 72796
Ion Ratio Lower Upper
106 100
91 217.3 107.2 321.6



#70
Styrene
Concen: 17.766 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion:104 Resp: 114662
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.2
103 55.3 44.3 66.5

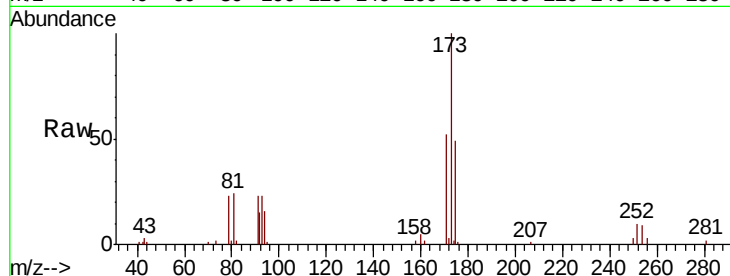




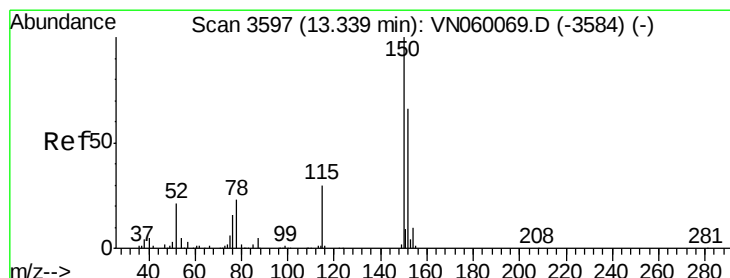
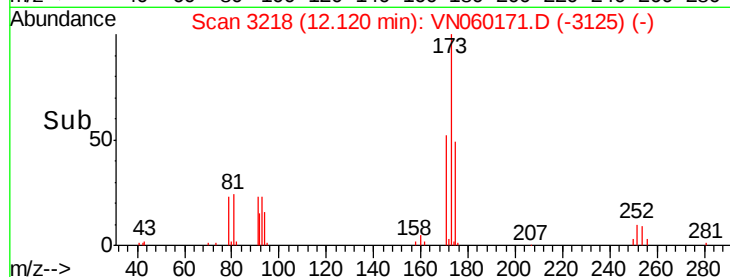
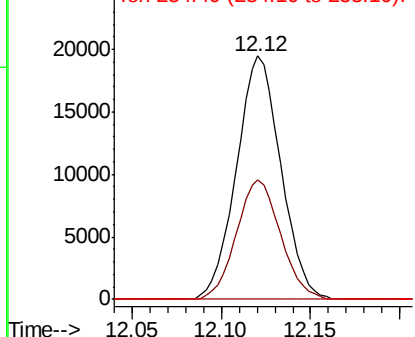
#71
Bromoform
Concen: 18.100 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 33819
Ion Ratio Lower Upper
173 100
175 48.6 24.9 74.6
254 0.0 0.0 0.0

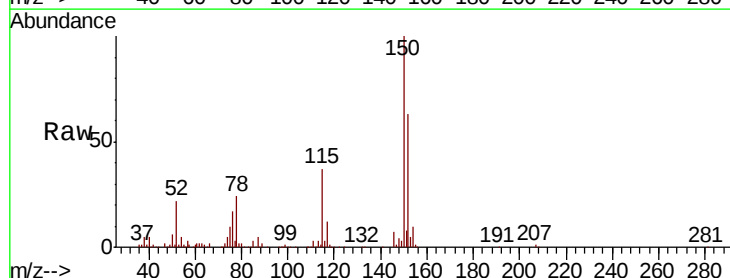


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

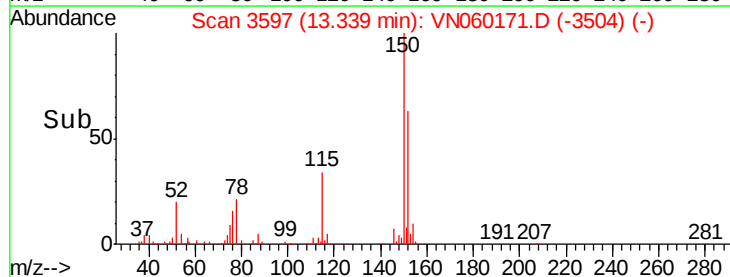
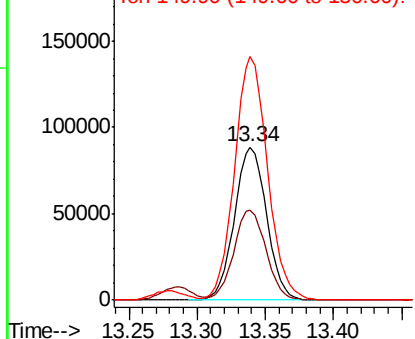


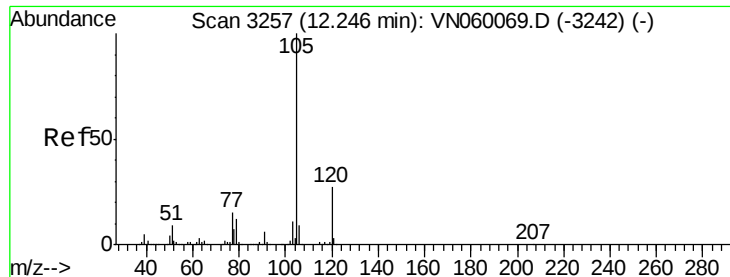
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion:152 Resp: 145106
Ion Ratio Lower Upper
152 100
115 59.0 28.9 86.8
150 163.4 0.0 342.4



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: 17.978 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

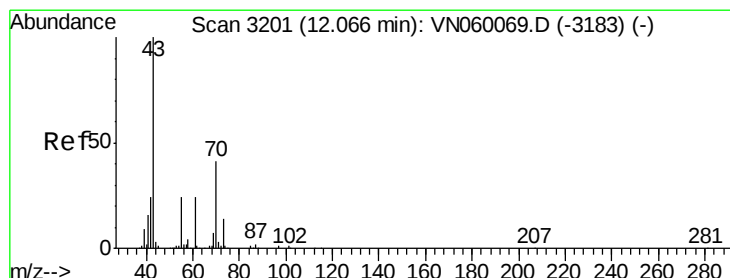
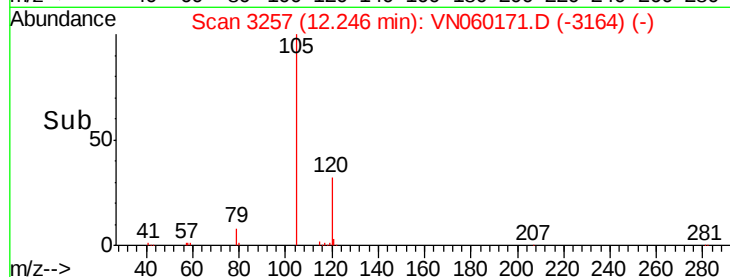
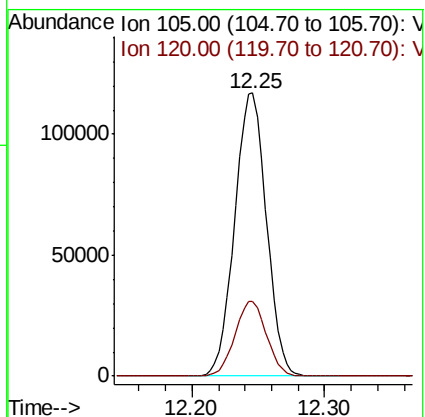
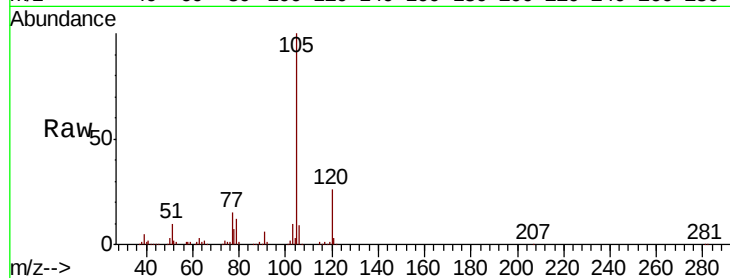
ClientSampleId :

Tot Ion: 105 Resp: 194801

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



#74

N-ethyl acetate

Concen: 19.162 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Tgt Ion: 43 Resp: 74874

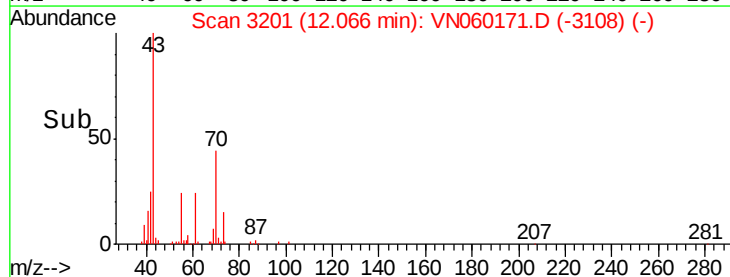
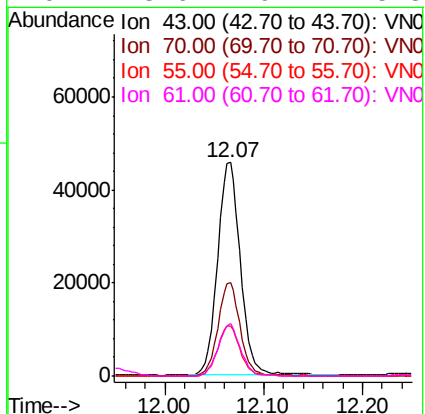
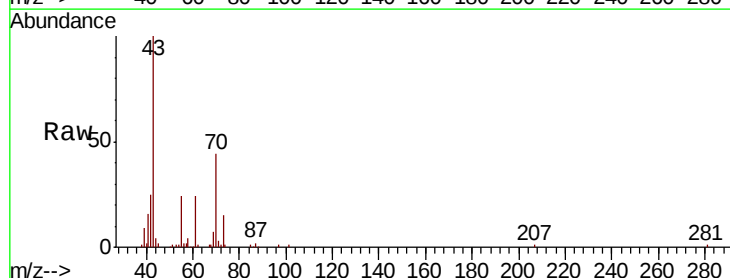
Ion Ratio Lower Upper

43 100

70 42.2 33.4 50.0

55 23.3 18.8 28.2

61 23.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.824 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

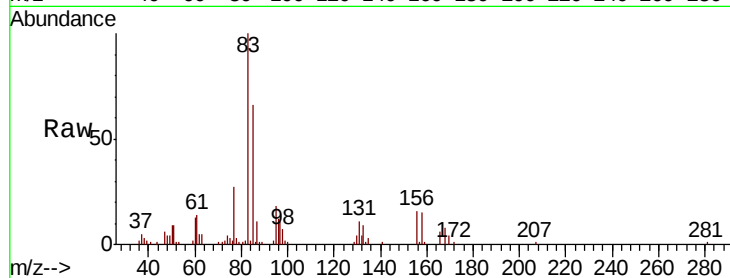
Tot Ion: 83 Resp: 58711

Ion Ratio Lower Upper

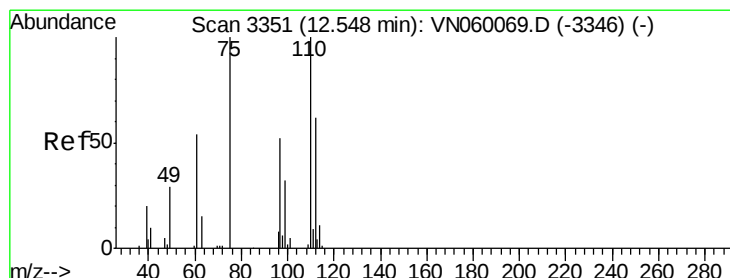
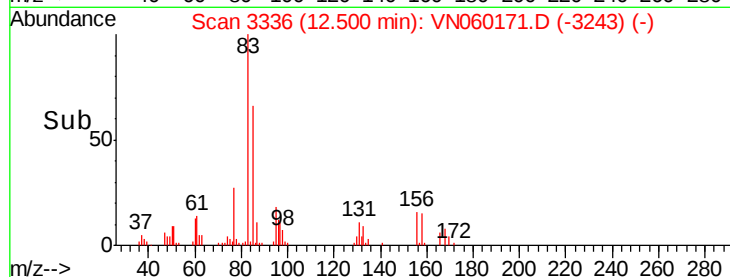
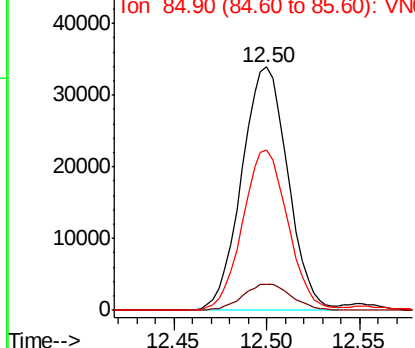
83 100

131 11.2 5.2 15.6

85 64.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.253 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060171.D

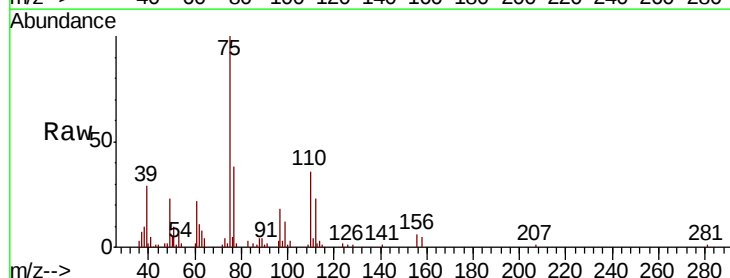
Acq: 20 Feb 2020 14:48

Tgt Ion: 75 Resp: 78436

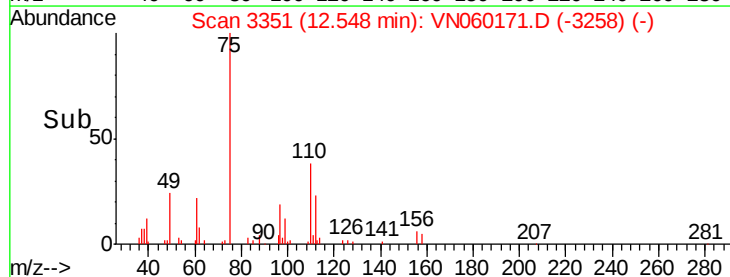
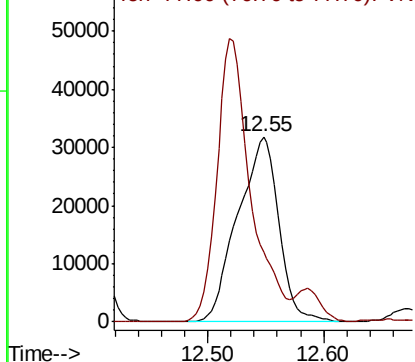
Ion Ratio Lower Upper

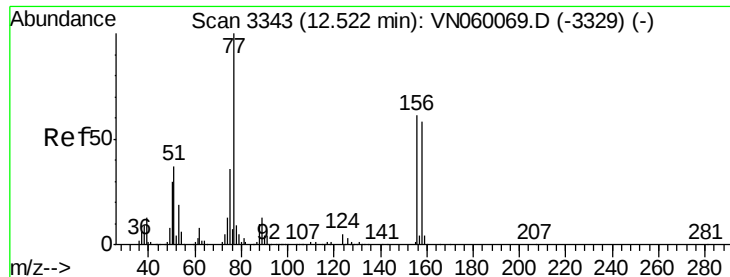
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.331 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

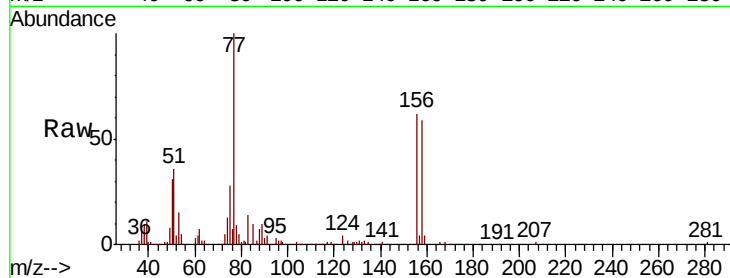
Tot Ion:156 Resp: 51982

Ion Ratio Lower Upper

156 100

77 189.8 98.7 296.1

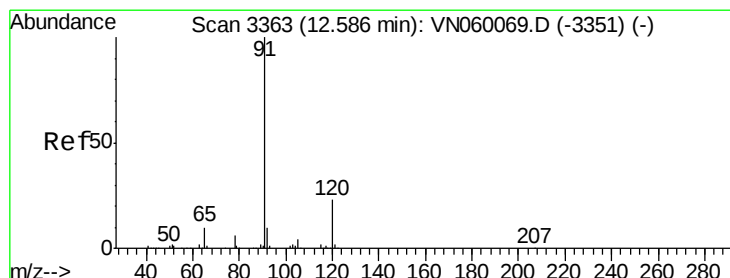
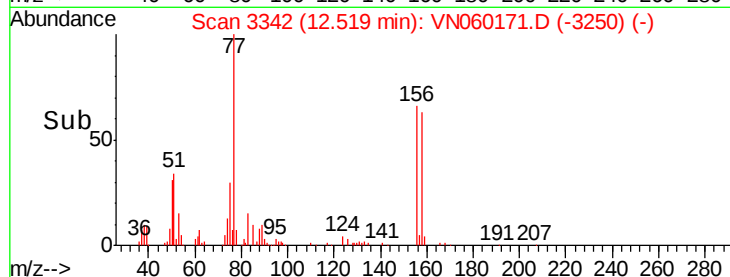
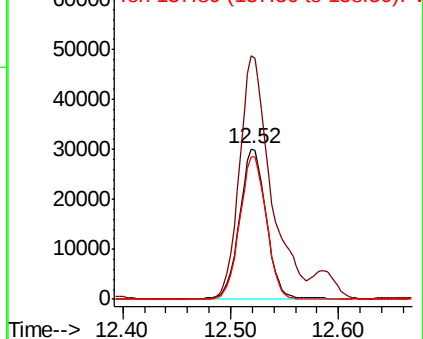
158 93.6 48.1 144.4



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: 18.101 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060171.D

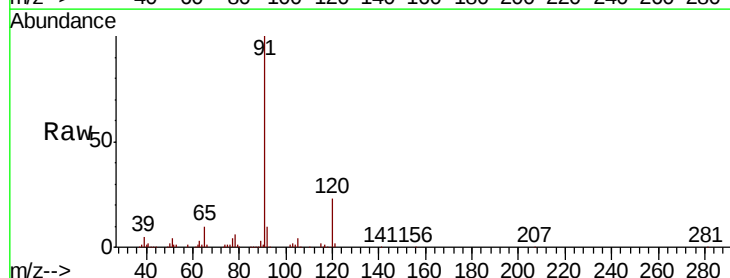
Acq: 20 Feb 2020 14:48

Tgt Ion: 91 Resp: 223464

Ion Ratio Lower Upper

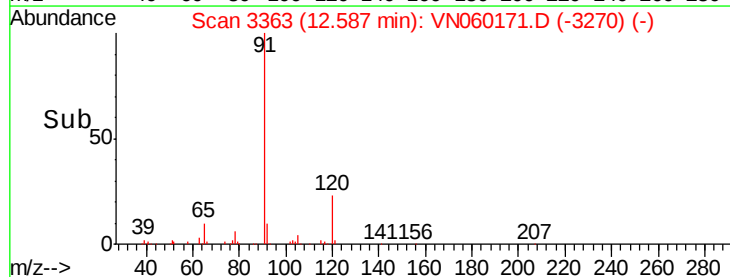
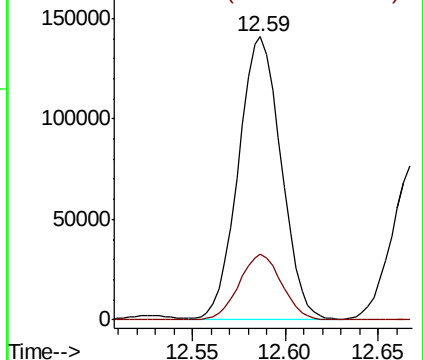
91 100

120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.062 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

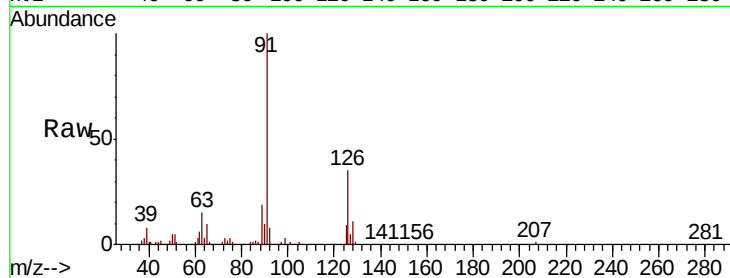
ClientSampled :

Tot Ion: 91 Resp: 131067

Ion Ratio Lower Upper

91 100

126 34.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060171.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060171.D (-3376) (-)

150000

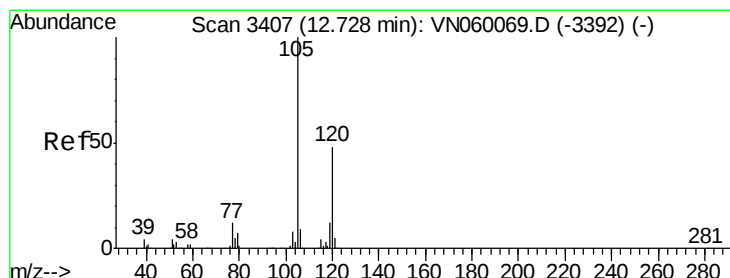
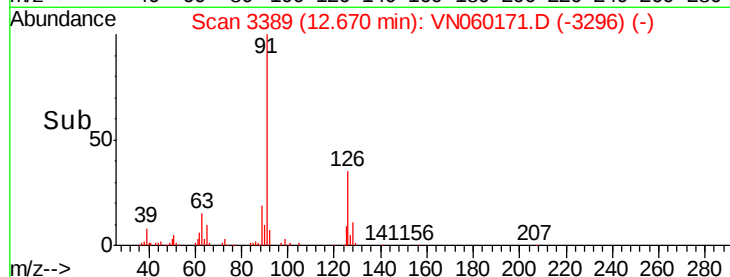
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.210 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060171.D

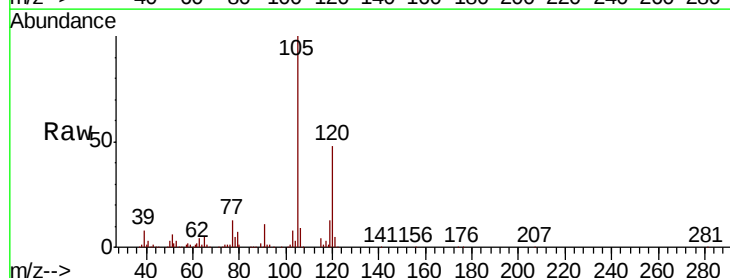
Acq: 20 Feb 2020 14:48

Tgt Ion: 105 Resp: 164059

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060171.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060171.D (-3314) (-)

120000

100000

80000

60000

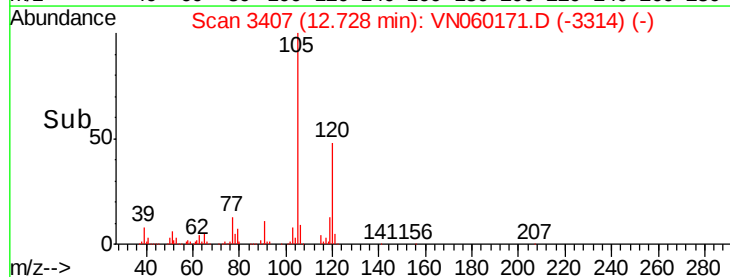
40000

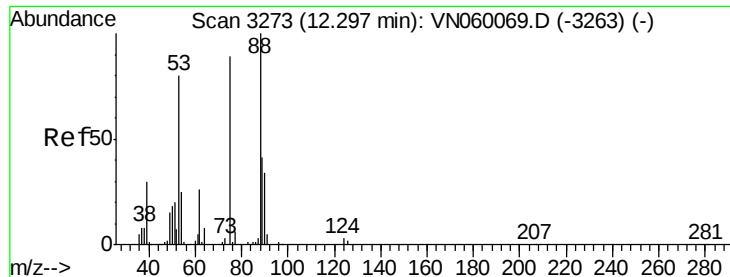
20000

0

12.65 12.70 12.75 12.80

Time-->

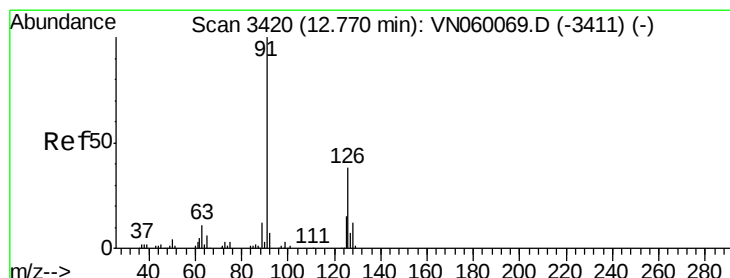
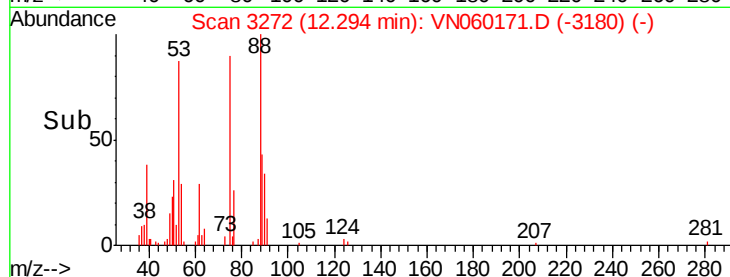
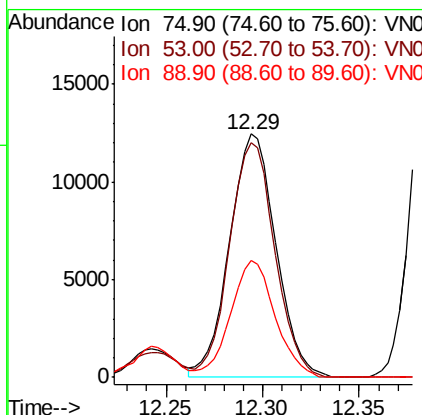
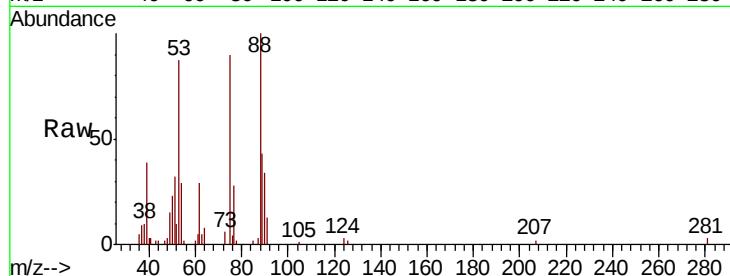




#81
trans-1,4-Dichloro-2-butene
Concen: 18.298 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

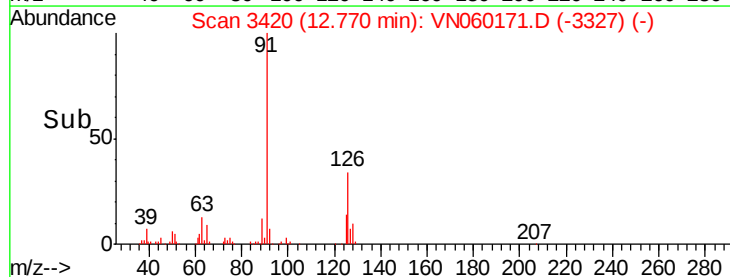
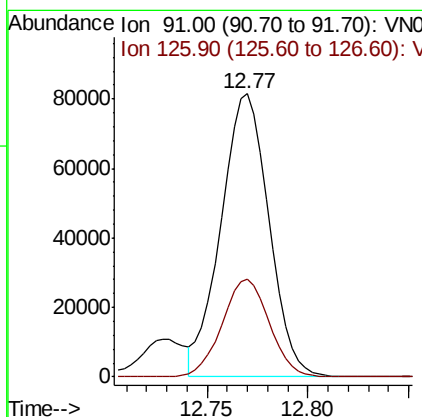
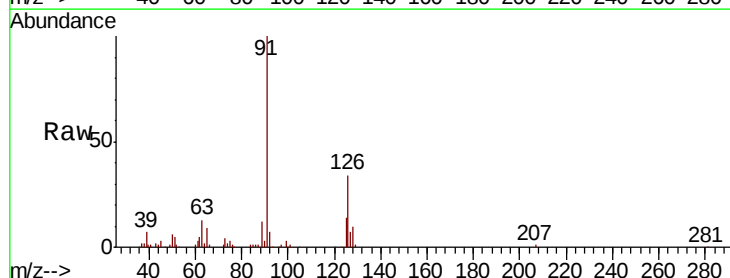
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 20747
Ion Ratio Lower Upper
75 100
53 94.1 73.9 110.9
89 46.0 37.0 55.4



#82
4-Chlorotoluene
Concen: 18.057 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion: 91 Resp: 134433
Ion Ratio Lower Upper
91 100
126 34.3 17.1 51.3

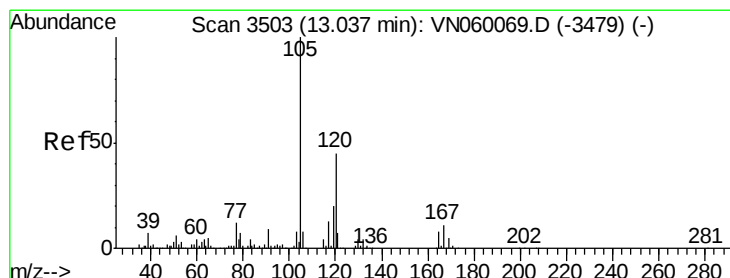
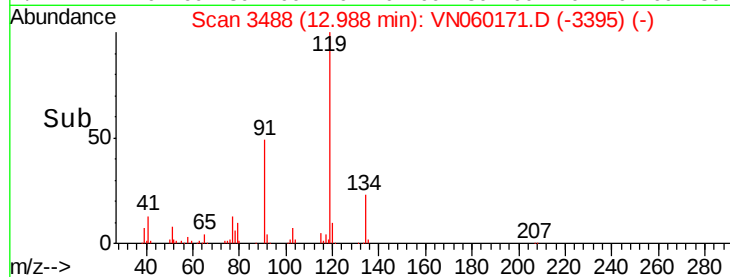
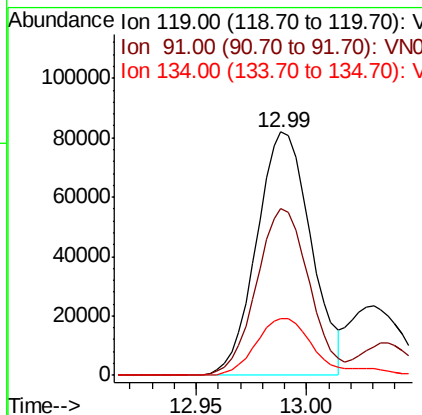
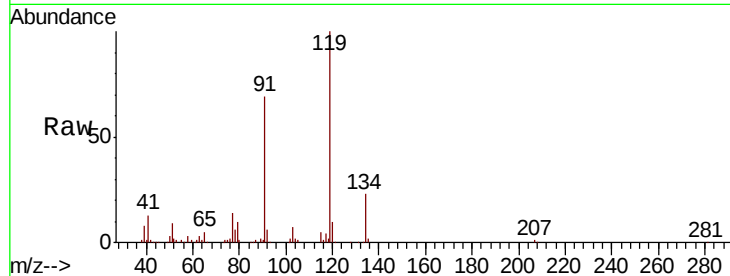




#83
 tert-Butylbenzene
 Concen: 17.545 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

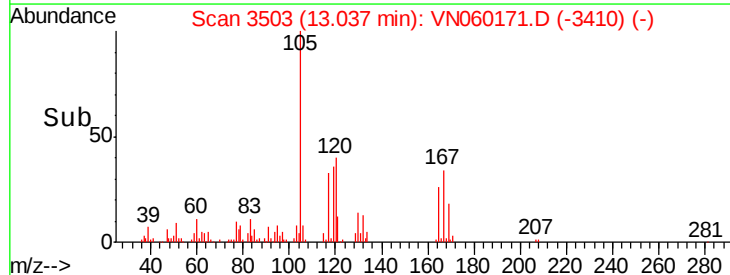
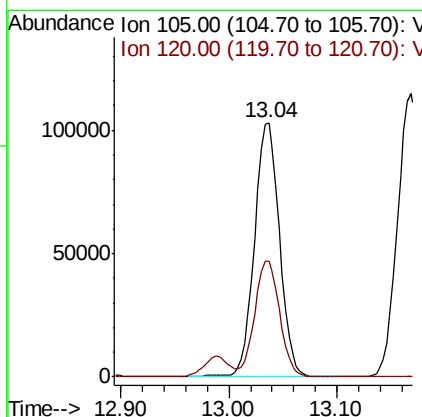
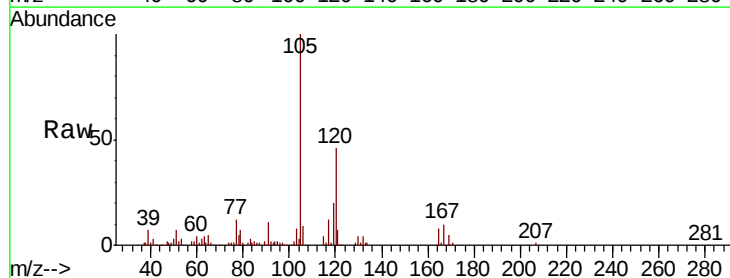
Instrument :
 MSVOA_N
 ClientSampled :

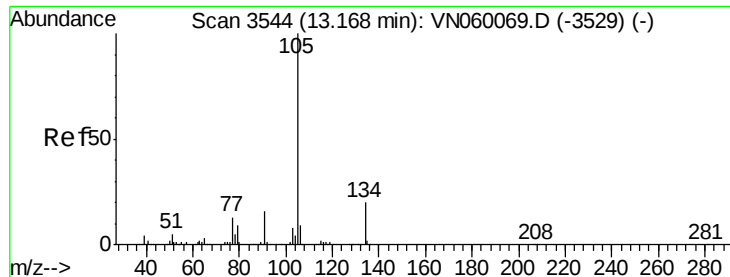
Tot Ion:119 Resp: 139829
 Ion Ratio Lower Upper
 119 100
 91 66.4 32.7 98.1
 134 24.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 18.637 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion:105 Resp: 165749
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 17.582 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

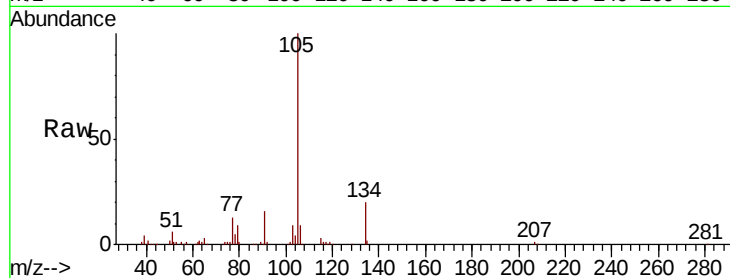
ClientSampled :

Tot Ion:105 Resp: 185580

Ion Ratio Lower Upper

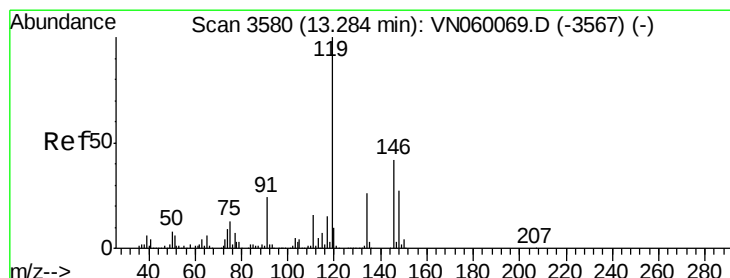
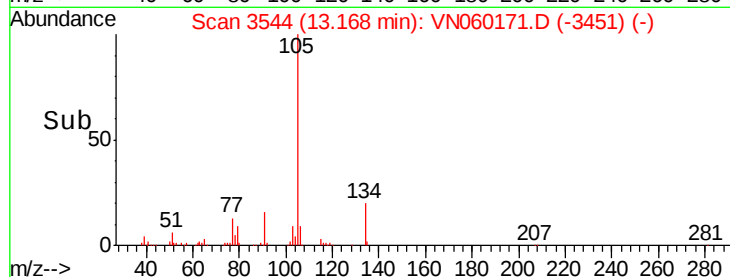
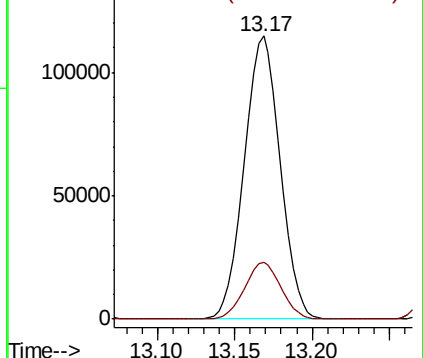
105 100

134 20.2 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.700 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

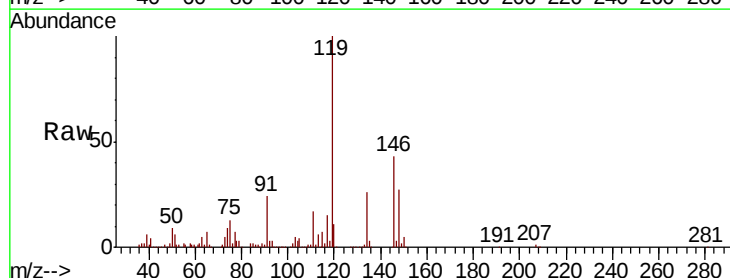
Tgt Ion:119 Resp: 169272

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

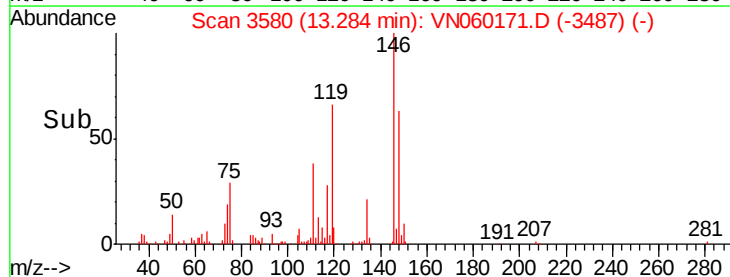
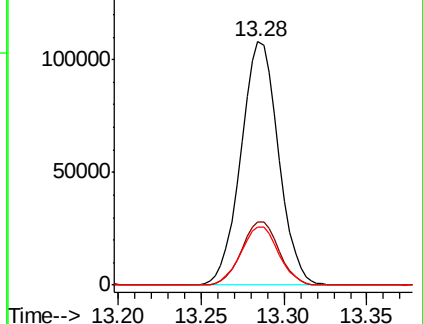
91 24.3 11.9 35.9

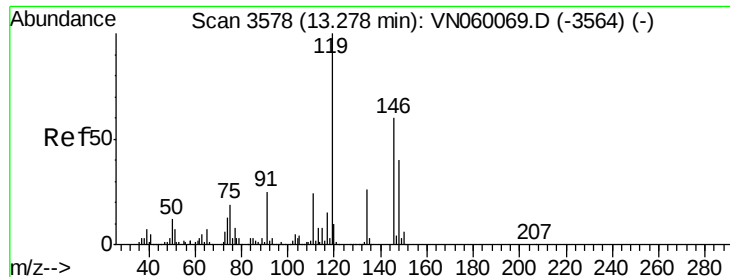


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

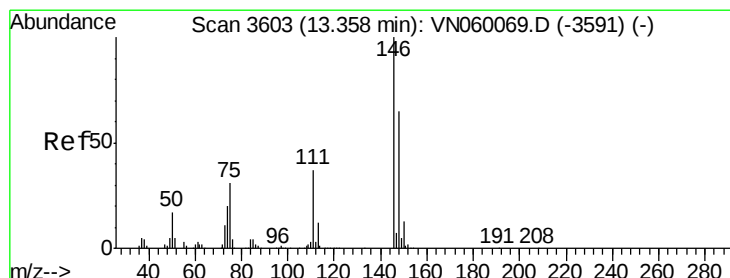
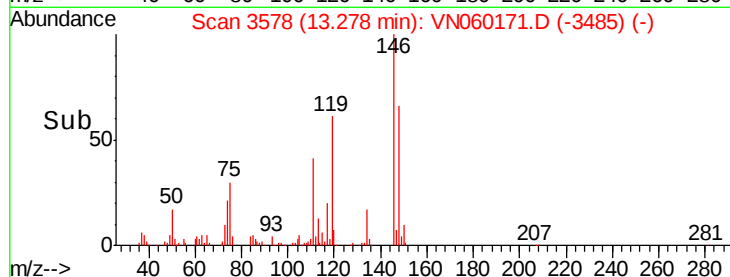
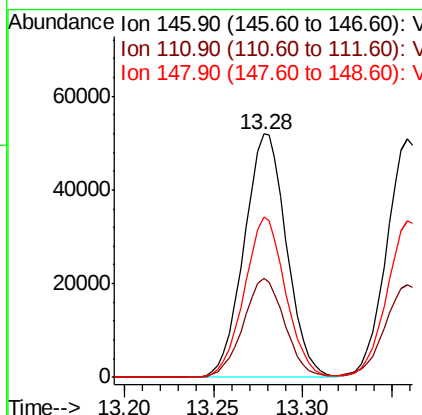
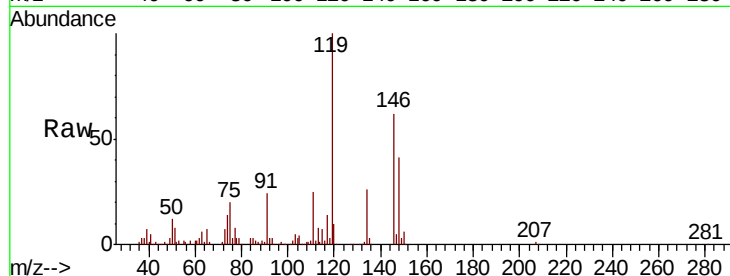




#87
 1,3-Dichlorobenzene
 Concen: 18.162 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

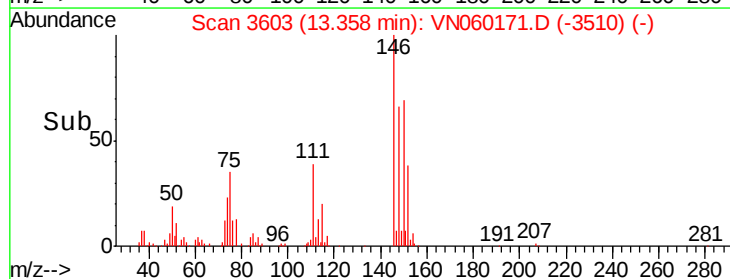
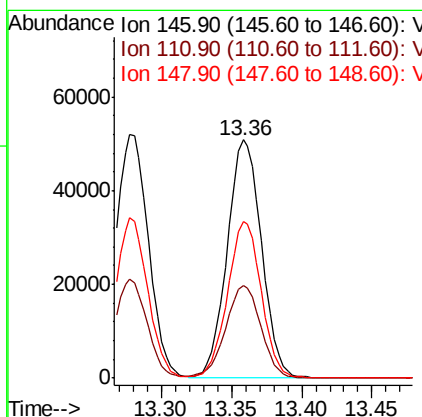
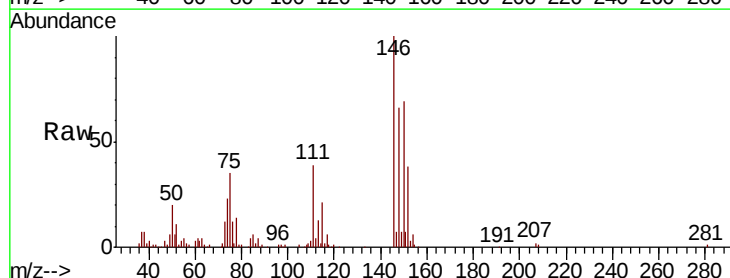
Instrument :
 MSVOA_N
 ClientSampleId :

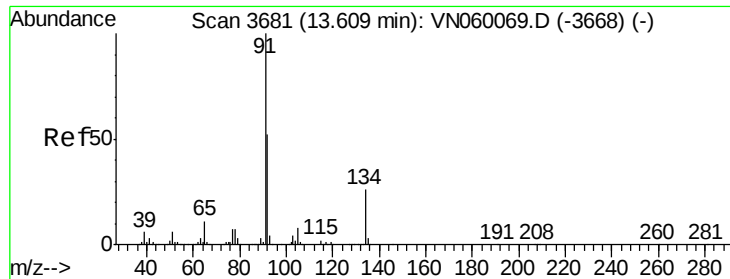
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.3
148	64.1	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 18.246 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.9	56.5
148	64.4	32.0	96.0





#89

n-Butylbenzene

Concen: 17.929 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

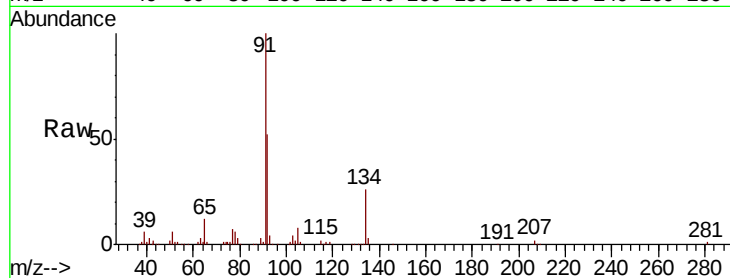
Tot Ion: 91 Resp: 150807

Ion Ratio Lower Upper

91 100

92 51.2 26.1 78.2

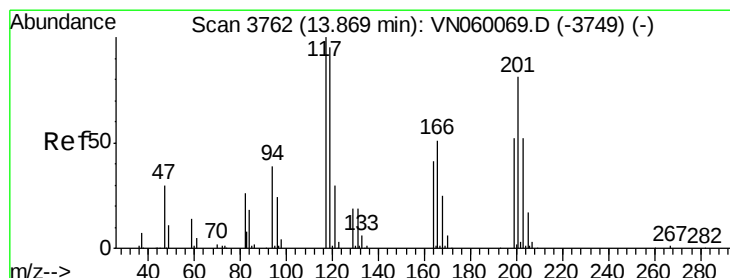
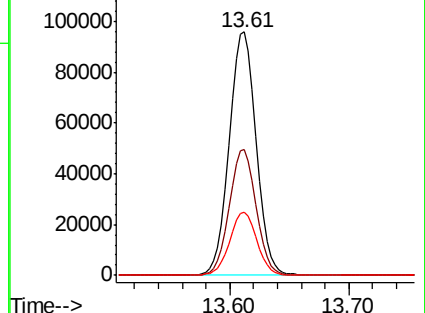
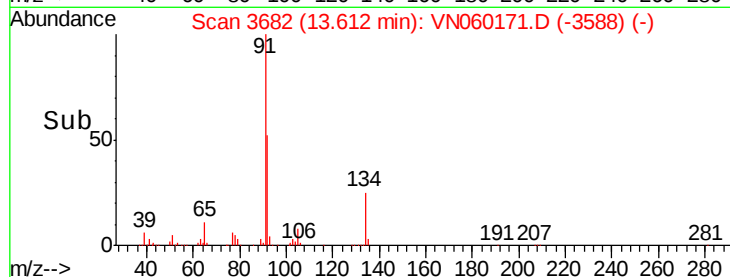
134 26.3 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN060171.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN060171.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060171.D (-3668) (-)



#90

Hexachloroethane

Concen: 17.335 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN060171.D

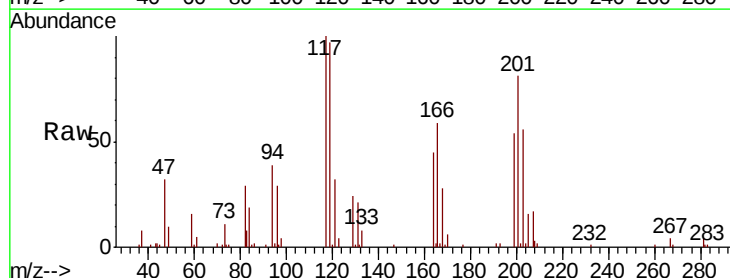
Acq: 20 Feb 2020 14:48

Tgt Ion: 117 Resp: 30970

Ion Ratio Lower Upper

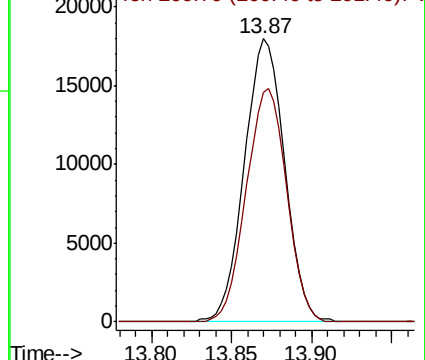
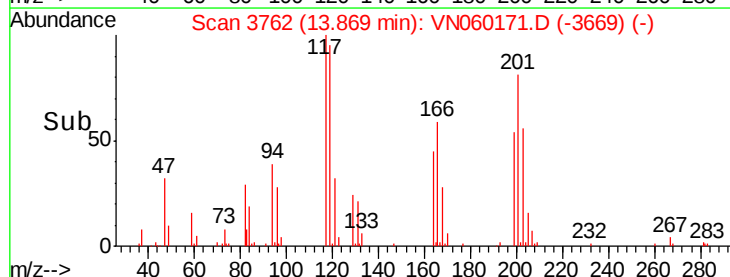
117 100

201 82.9 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060171.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060171.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 18.496 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

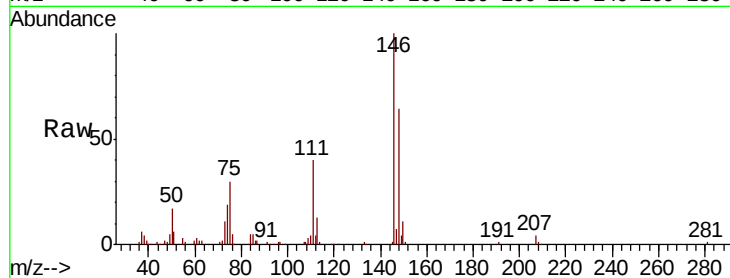
Tot Ion:146 Resp: 86160

Ion Ratio Lower Upper

146 100

111 40.3 20.1 60.2

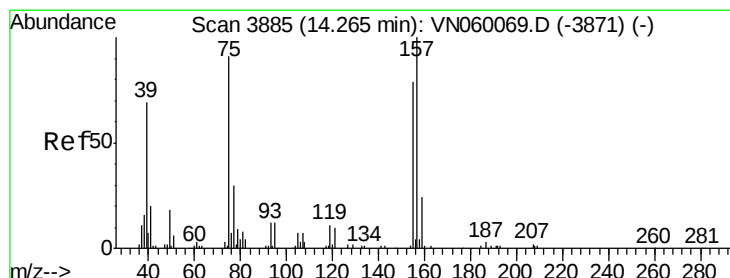
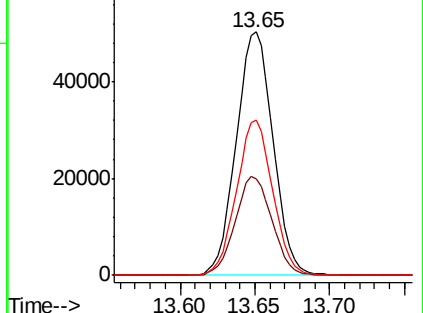
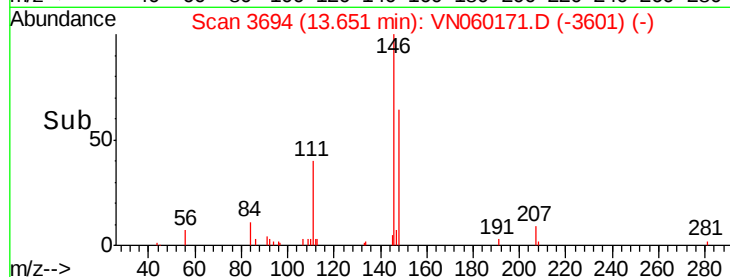
148 62.6 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.206 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060171.D

Acq: 20 Feb 2020 14:48

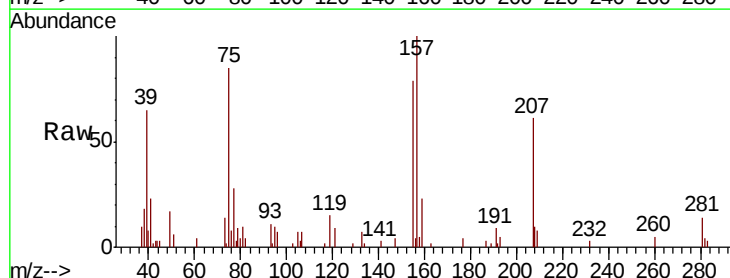
Tgt Ion: 75 Resp: 12399

Ion Ratio Lower Upper

75 100

155 84.5 43.0 129.0

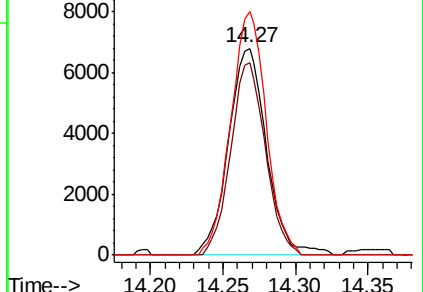
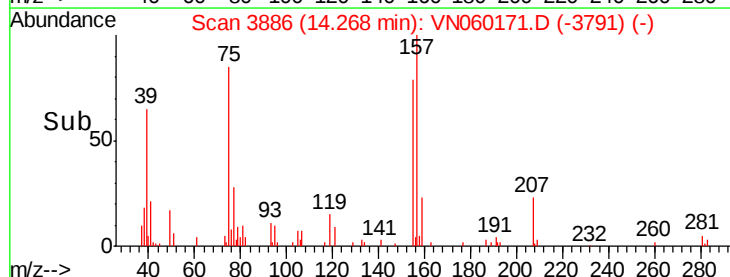
157 109.4 54.9 164.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

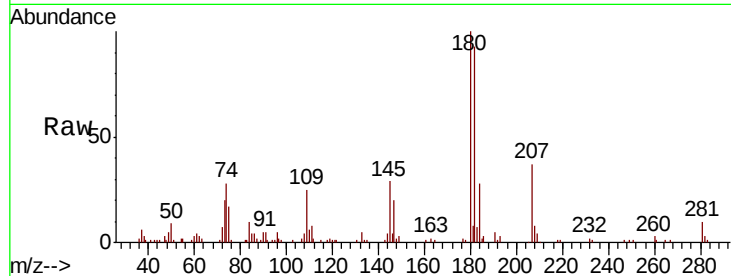




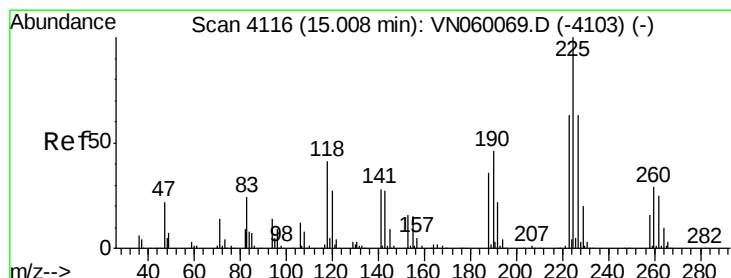
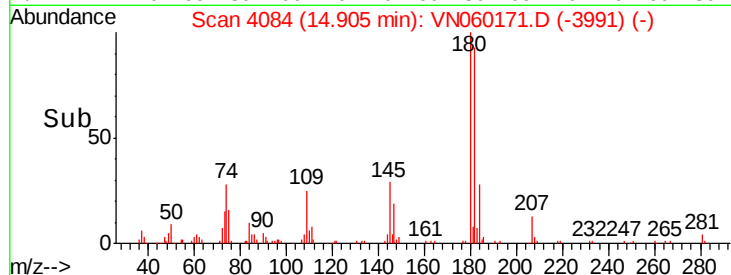
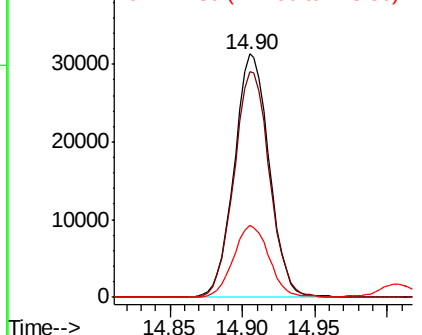
#93
 1,2,4-Trichlorobenzene
 Concen: 19.165 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.8
145	30.0	15.2	45.5

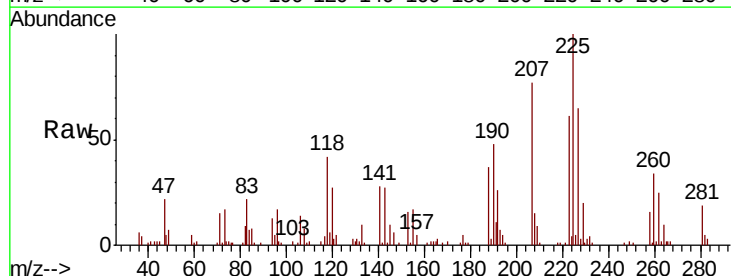


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

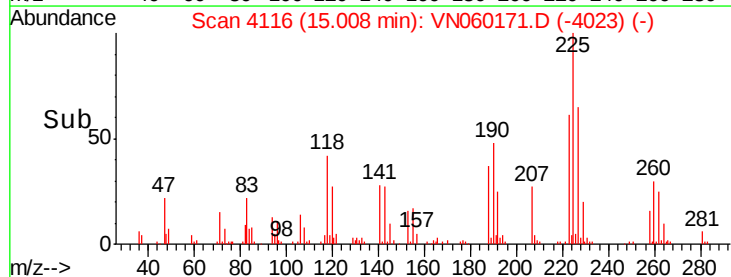
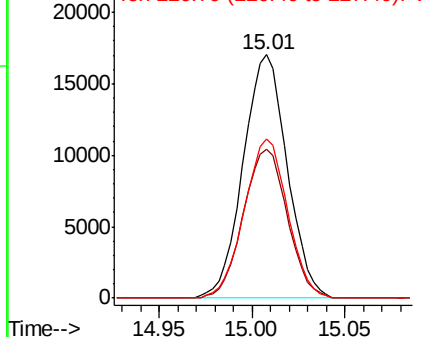


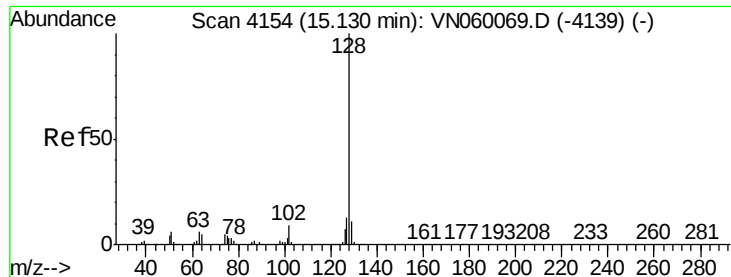
#94
 Hexachlorobutadiene
 Concen: 17.561 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060171.D
 Acq: 20 Feb 2020 14:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.5	94.5
227	64.4	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

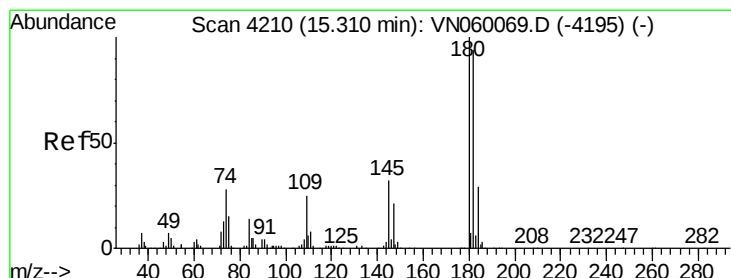
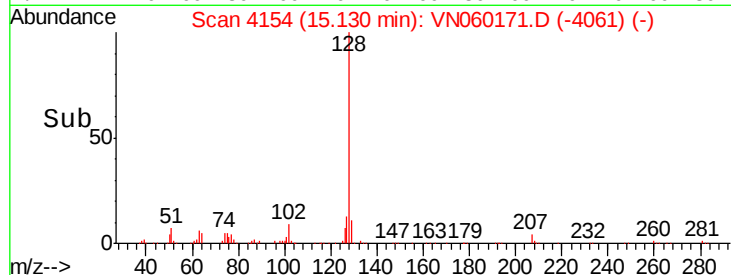
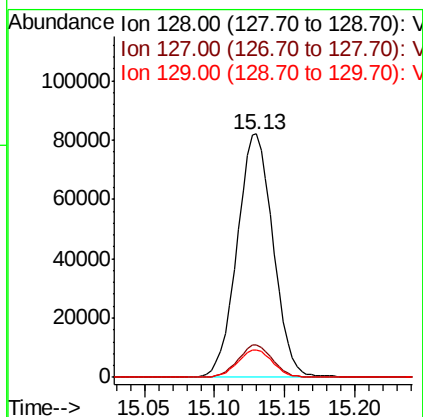
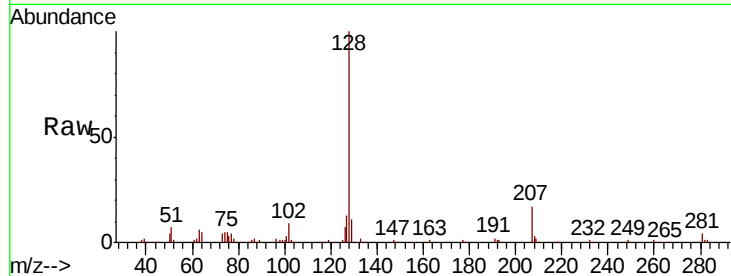




#95
Naphthalene
Concen: 19.852 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 146781
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.091 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060171.D
Acq: 20 Feb 2020 14:48

Tgt Ion:180 Resp: 52037
Ion Ratio Lower Upper
180 100
182 93.8 47.5 142.5
145 31.8 16.1 48.3

