

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\
 Data File : VN060248.D
 Acq On : 26 Feb 2020 14:02
 Operator : JC/MD
 Sample : VN0226WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 27 04:32:58 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	202141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151283	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	135686	55.16	ug/l	0.00
Spiked Amount						
			Recovery	=	110.32%	
35) Dibromofluoromethane	7.57	113	96925	48.34	ug/l	0.00
Spiked Amount						
			Recovery	=	96.68%	
50) Toluene-d8	10.08	98	392509	49.71	ug/l	0.00
Spiked Amount						
			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.40	95	148000	51.01	ug/l	0.00
Spiked Amount						
			Recovery	=	102.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	38387	18.999	ug/l	99
3) Chloromethane	2.04	50	63808	26.537	ug/l	99
4) Vinyl Chloride	2.16	62	53969	19.691	ug/l	100
5) Bromomethane	2.55	94	20849	12.406	ug/l	99
6) Chloroethane	2.68	64	29146	21.025	ug/l	93
7) Trichlorofluoromethane	3.00	101	68765	19.460	ug/l	98
8) Diethyl Ether	3.38	74	26965	22.924	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39307	20.036	ug/l	98
10) Methyl Iodide	3.93	142	37315	15.938	ug/l	99
11) Tert butyl alcohol	4.72	59	39702	107.861	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	38460	20.124	ug/l	93
13) Acrolein	3.58	56	33866	93.082	ug/l	96
14) Allyl chloride	4.29	41	66093	23.496	ug/l	93
15) Acrylonitrile	4.94	53	106954	118.982	ug/l	99
16) Acetone	3.78	43	84275	78.548	ug/l	99
17) Carbon Disulfide	4.03	76	106455	18.480	ug/l	99
18) Methyl Acetate	4.29	43	57311	28.436	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	143369	22.307	ug/l	99
20) Methylene Chloride	4.52	84	45557	21.283	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	41792	20.060	ug/l	95
22) Diisopropyl ether	5.91	45	145977	23.679	ug/l	94
23) Vinyl Acetate	5.86	43	601290	116.146	ug/l	97
24) 1,1-Dichloroethane	5.81	63	82236	22.020	ug/l	100
25) 2-Butanone	6.80	43	139526	103.400	ug/l	94
26) 2,2-Dichloropropane	6.80	77	72397	20.410	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	49200	20.179	ug/l	96
28) Bromochloromethane	7.17	49	36371	24.772	ug/l	88
29) Tetrahydrofuran	7.18	42	96298	116.328	ug/l	94
30) Chloroform	7.35	83	82287	21.034	ug/l	99
31) Cyclohexane	7.63	56	72646	20.882	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	72062	20.157	ug/l	99
36) 1,1-Dichloropropene	7.77	75	60582	20.053	ug/l	98
37) Ethyl Acetate	6.89	43	61611	22.565	ug/l	99
38) Carbon Tetrachloride	7.75	117	59444	18.117	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	71698	19.118	ug/l	97
40) Benzene	8.02	78	179832	20.067	ug/l	98
41) Methacrylonitrile	7.18	41	88692	77.457	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	67585	21.517	ug/l	99
43) Isopropyl Acetate	8.14	43	105871	22.683	ug/l	97
44) Trichloroethene	8.82	130	50556	20.374	ug/l	97
45) 1,2-Dichloropropane	9.10	63	48615	21.911	ug/l	99
46) Dibromomethane	9.19	93	30875	19.692	ug/l	99
47) Bromodichloromethane	9.39	83	62388	19.572	ug/l	99
48) Methyl methacrylate	9.18	41	46910	22.401	ug/l	94
49) 1,4-Dioxane	9.18	88	14339	400.759	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	304191	112.598	ug/l	98
52) Toluene	10.14	92	114066	19.848	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	75109	20.875	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	79242	20.915	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	46884	20.912	ug/l	97
56) Ethyl methacrylate	10.42	69	67246	21.203	ug/l	96
57) 1,3-Dichloropropane	10.70	76	76178	20.592	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	167513	113.373	ug/l	97
59) 2-Hexanone	10.74	43	219981	105.411	ug/l	99
60) Dibromochloromethane	10.89	129	46601	18.113	ug/l	99
61) 1,2-Dibromoethane	11.00	107	46497	19.784	ug/l	99
64) Tetrachloroethene	10.62	164	54203	23.358	ug/l	99
65) Chlorobenzene	11.43	112	119986	19.293	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	44947	19.105	ug/l	98
67) Ethyl Benzene	11.51	91	221134	19.715	ug/l	99
68) m/p-Xylenes	11.62	106	166071	39.449	ug/l	99
69) o-Xylene	11.94	106	79710	19.665	ug/l	97
70) Styrene	11.96	104	129852	19.866	ug/l	99
71) Bromoform	12.12	173	32173	17.002	ug/l #	100
73) Isopropylbenzene	12.25	105	214765	19.011	ug/l	99
74) N-amyl acetate	12.07	43	94530	23.205	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59844	18.404	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88800	30.680	ug/l #	100
77) Bromobenzene	12.52	156	51787	18.472	ug/l	89
78) n-propylbenzene	12.59	91	252378	19.608	ug/l	99
79) 2-Chlorotoluene	12.67	91	146306	19.339	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	183846	19.573	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23702	20.051	ug/l	97
82) 4-Chlorotoluene	12.77	91	154667	19.927	ug/l	98
83) tert-Butylbenzene	12.99	119	154961	18.649	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	182765	19.711	ug/l	99
85) sec-Butylbenzene	13.17	105	210248	19.106	ug/l	100
86) p-Isopropyltoluene	13.29	119	192960	19.354	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	96614	19.468	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	96533	19.456	ug/l	98
89) n-Butylbenzene	13.61	91	176851	20.167	ug/l	99
90) Hexachloroethane	13.87	117	26215	14.074	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	92466	19.039	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13734	19.392	ug/l	92

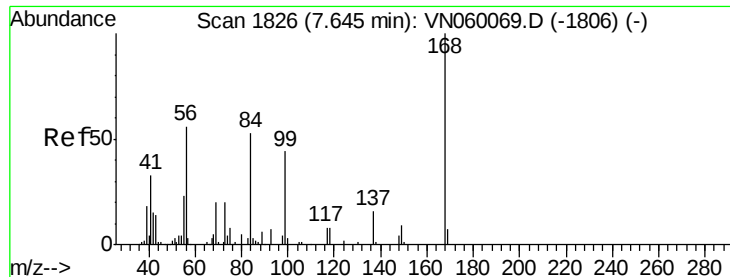
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63606	22.289	ug/l	99
94) Hexachlorobutadiene	15.01	225	29261	17.515	ug/l	98
95) Naphthalene	15.13	128	189365	24.566	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	60224	21.192	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: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

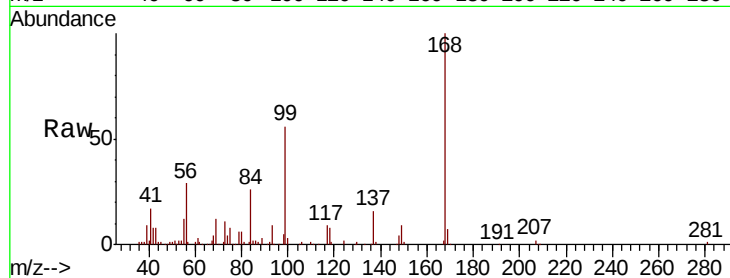
ClientSampleId :

Tot Ion:168 Resp: 202141

Ion Ratio Lower Upper

168 100

99 56.3 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

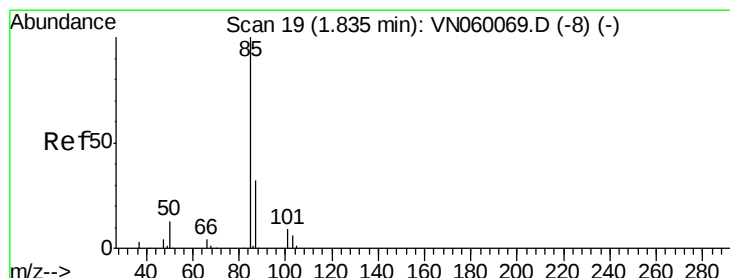
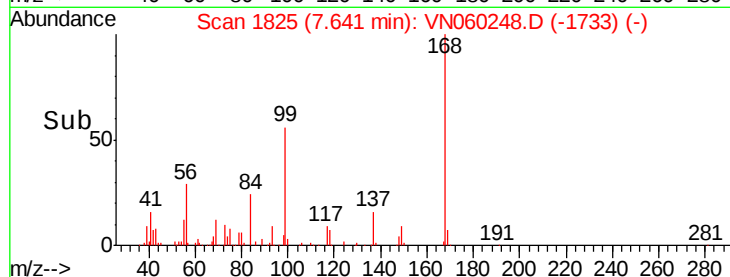
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.999 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060248.D

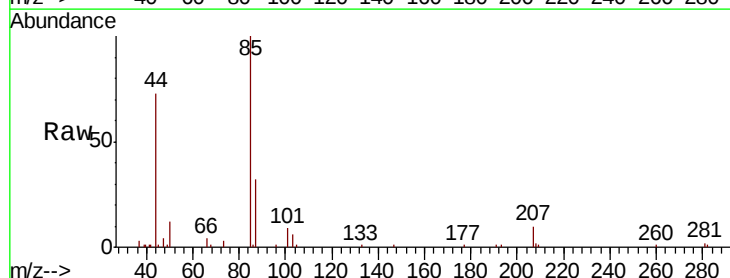
Acq: 26 Feb 2020 14:02

Tgt Ion: 85 Resp: 38387

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

25000

20000

15000

10000

5000

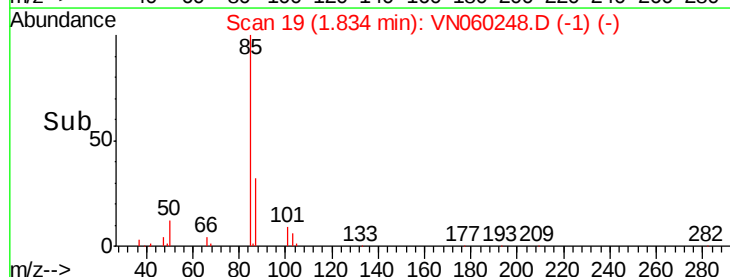
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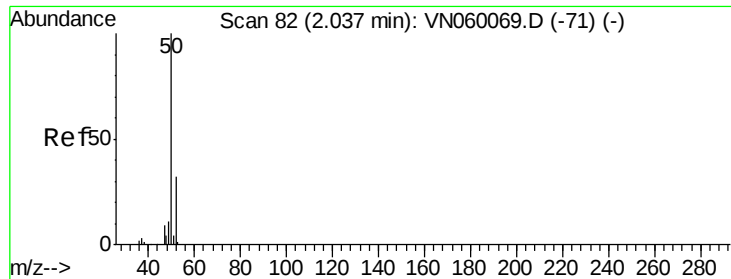
1.80

1.85

1.90

Time-->

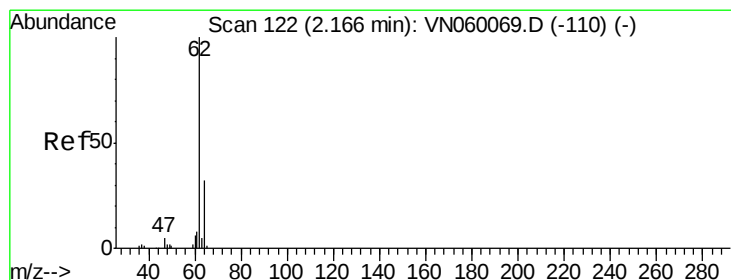
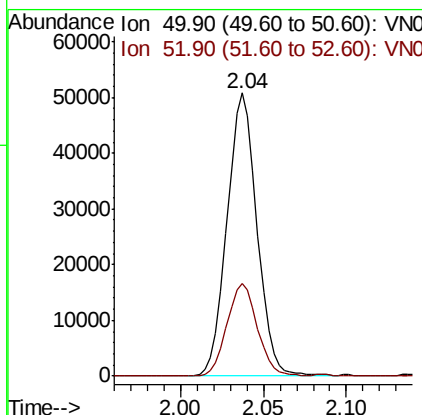
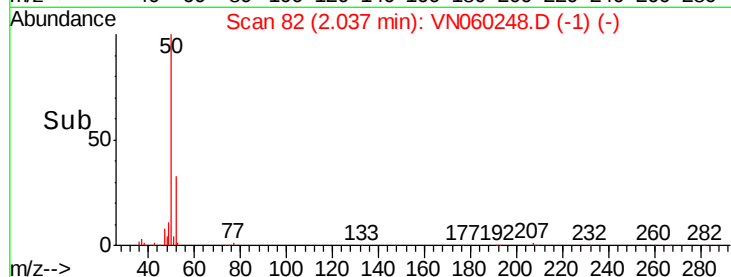
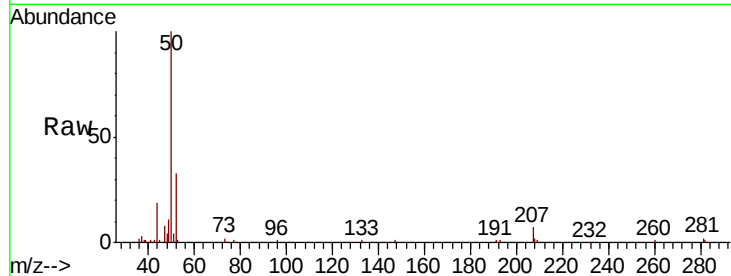




#3
Chloromethane
Concen: 26.537 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

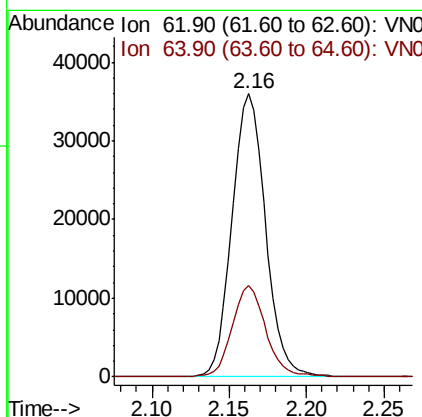
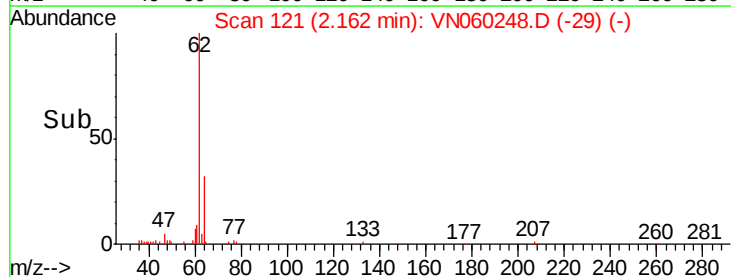
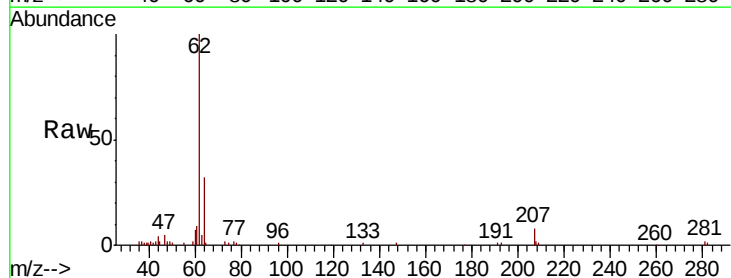
Instrument :
MSVOA_N
ClientSampled :

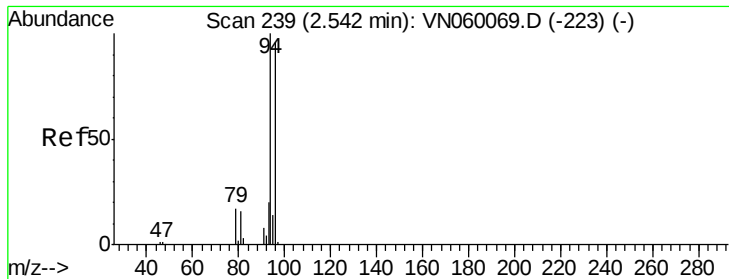
Tot Ion: 50 Resp: 63808
Ion Ratio Lower Upper
50 100
52 32.8 25.6 38.4



#4
Vinyl Chloride
Concen: 19.691 ug/l
RT: 2.16 min Scan# 121
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 62 Resp: 53969
Ion Ratio Lower Upper
62 100
64 32.2 25.9 38.9





#5

Bromomethane

Concen: 12.406 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

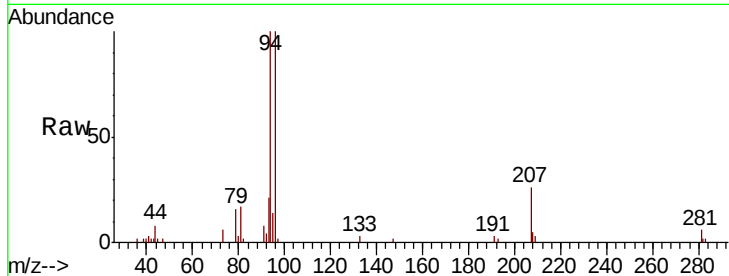
ClientSampleId :

Tot Ion: 94 Resp: 20849

Ion Ratio Lower Upper

94 100

96 96.9 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VN060069.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060069.D (-223) (-)

2.55

12000

10000

8000

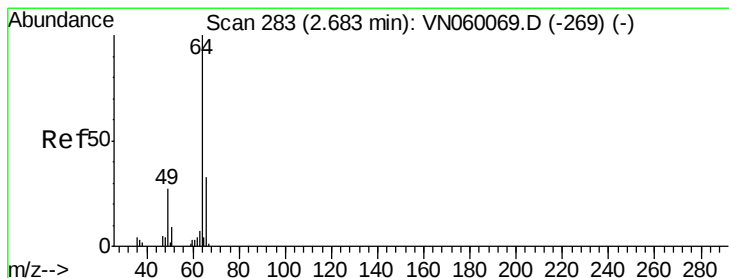
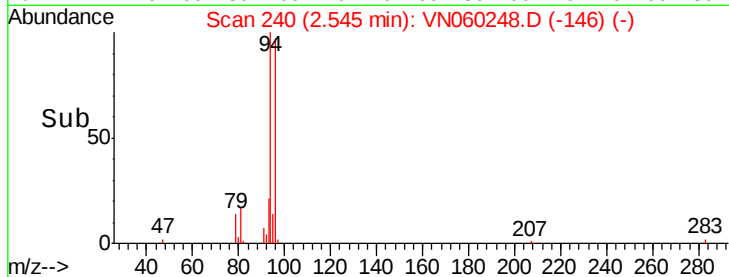
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 21.025 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060248.D

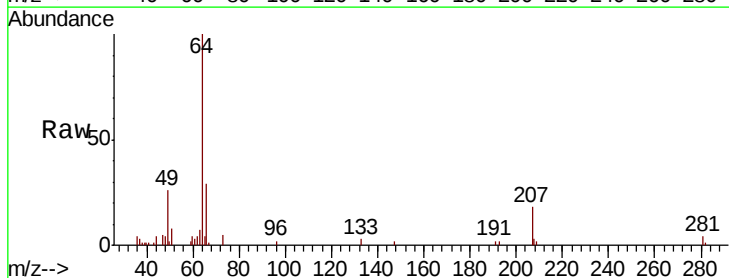
Acq: 26 Feb 2020 14:02

Tgt Ion: 64 Resp: 29146

Ion Ratio Lower Upper

64 100

66 29.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN060069.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN060069.D (-269) (-)

2.68

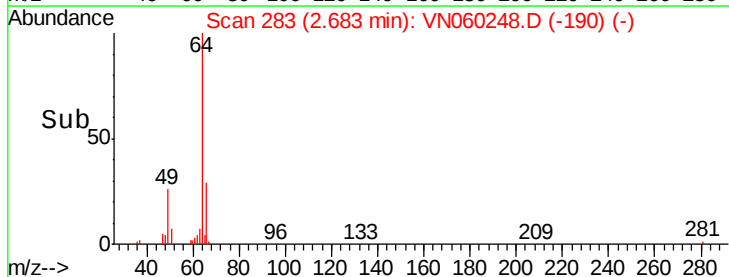
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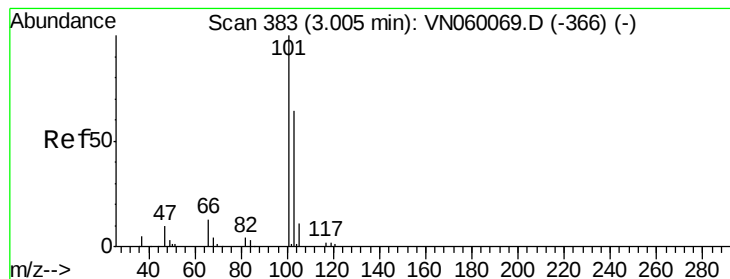
10000

5000

0

Time-->



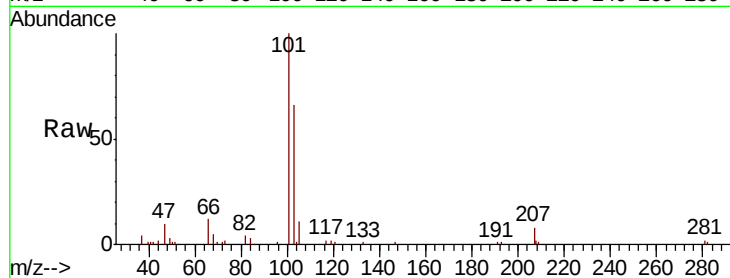


#7

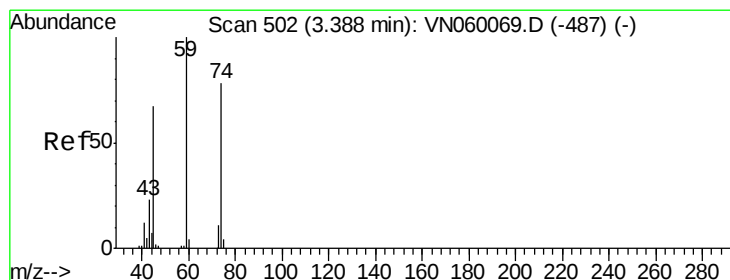
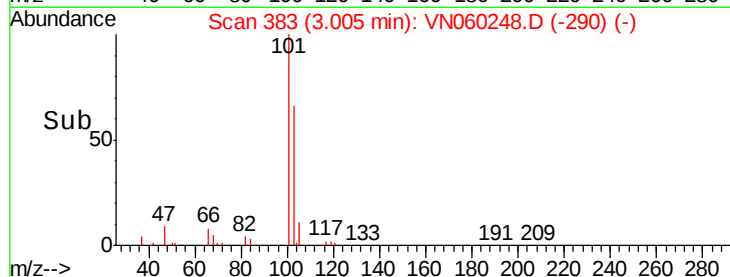
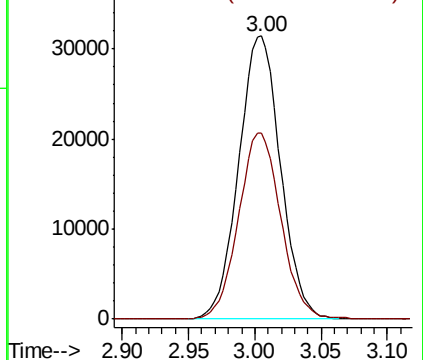
Trichlorofluoromethane
Concen: 19.460 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 68765
Ion Ratio Lower Upper
101 100
103 65.7 51.0 76.6



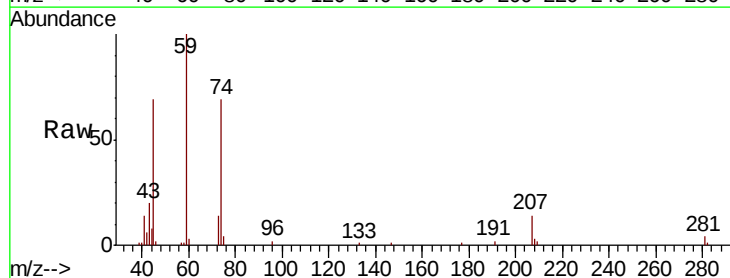
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



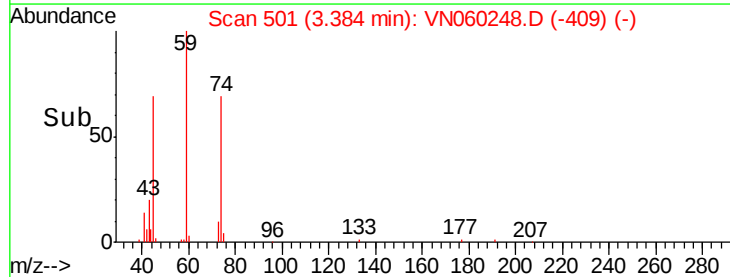
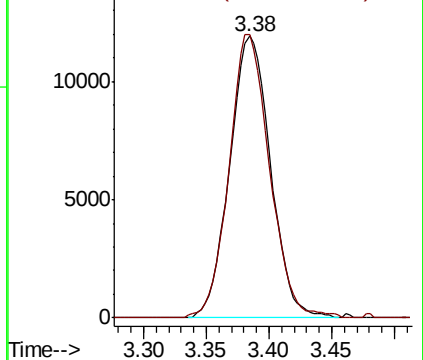
#8

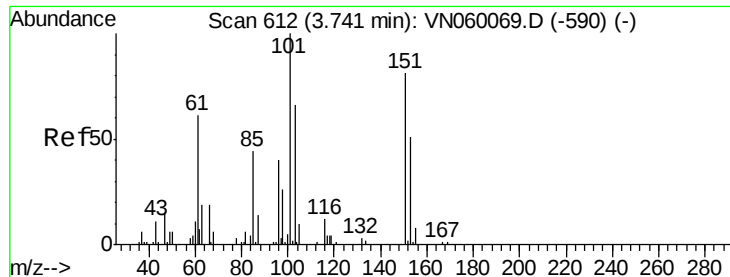
Diethyl Ether
Concen: 22.924 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 74 Resp: 26965
Ion Ratio Lower Upper
74 100
45 99.9 44.7 134.1



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.036 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

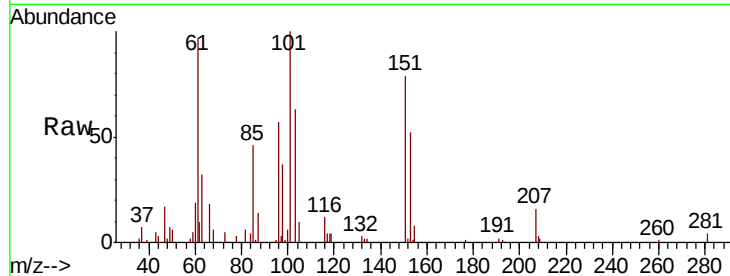
Tot Ion:101 Resp: 39307

Ion Ratio Lower Upper

101 100

85 45.8 35.1 52.7

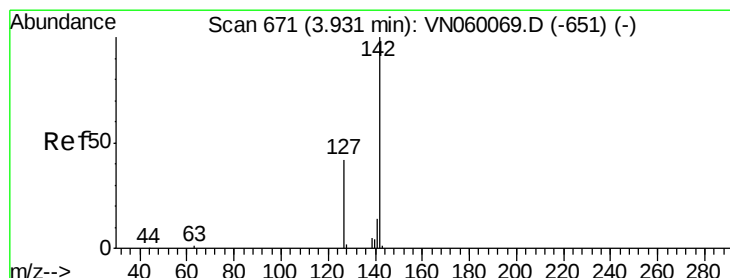
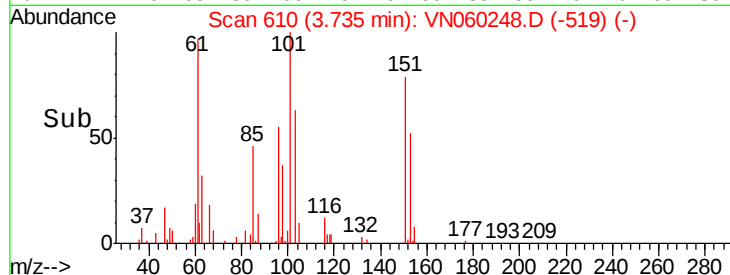
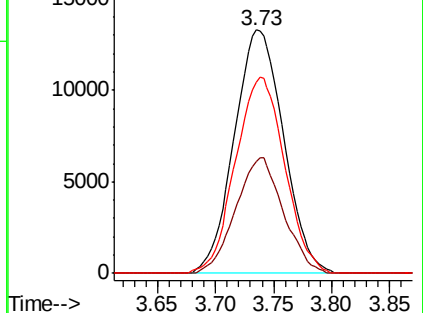
151 80.4 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.938 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

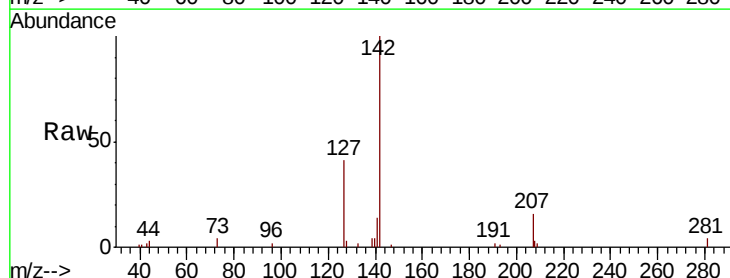
Tgt Ion:142 Resp: 37315

Ion Ratio Lower Upper

142 100

127 41.7 33.6 50.4

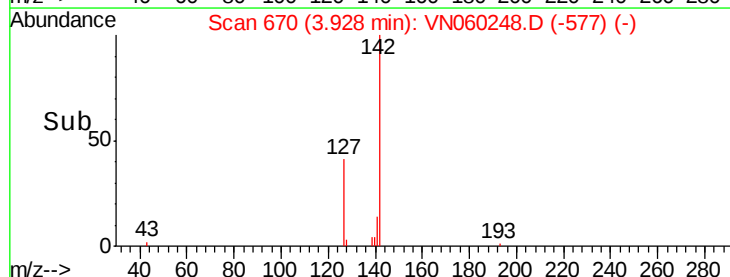
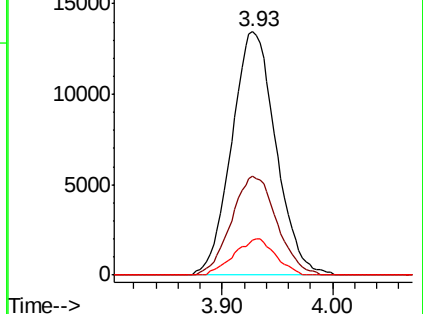
141 13.8 11.4 17.2

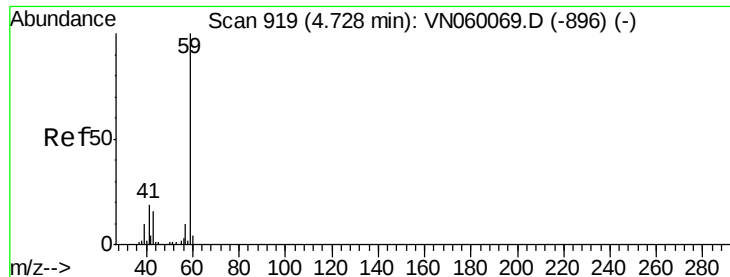


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



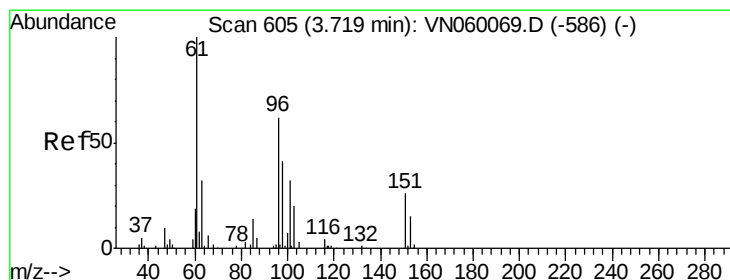
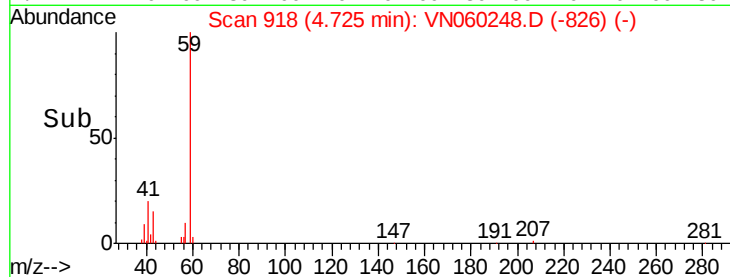
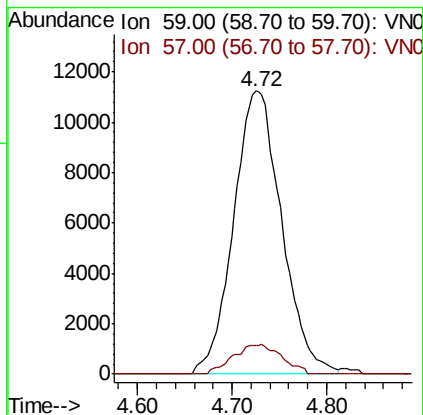
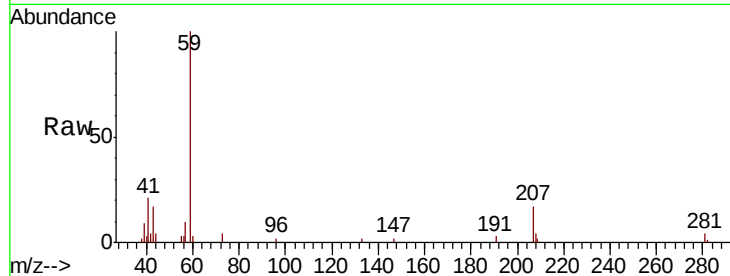


#11

Tert butyl alcohol
 Concen: 107.861 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :

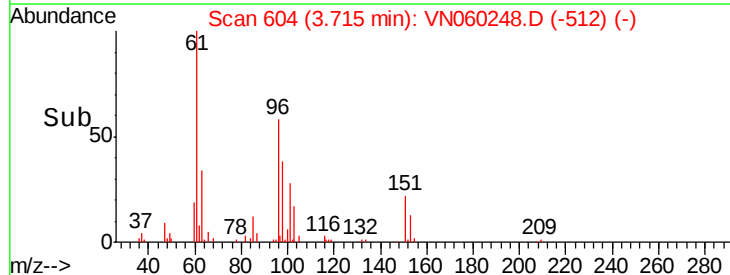
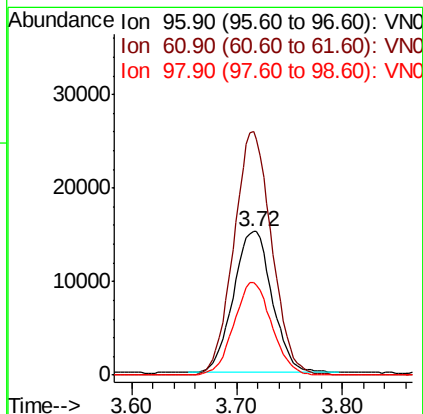
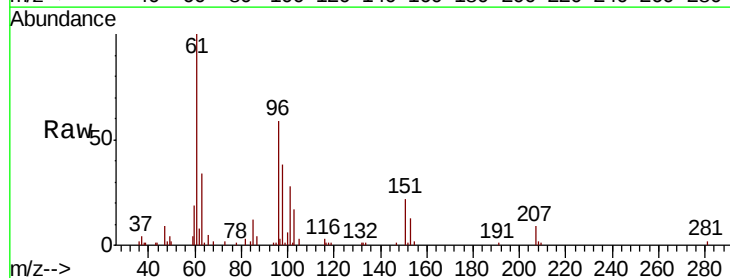
Tot Ion: 59 Resp: 39702
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.2 12.4#

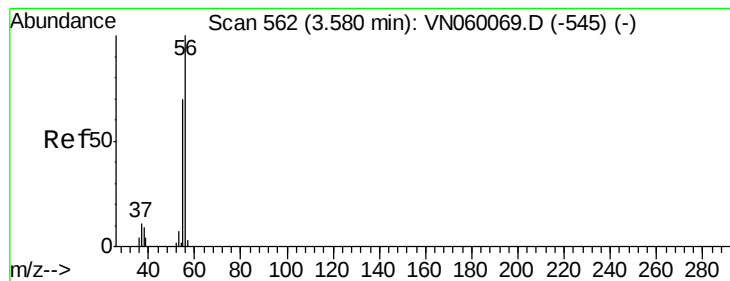


#12

1,1-Dichloroethene
 Concen: 20.124 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion: 96 Resp: 38460
 Ion Ratio Lower Upper
 96 100
 61 173.0 128.3 192.5
 98 65.8 52.2 78.4





#13

Acrolein

Concen: 93.082 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

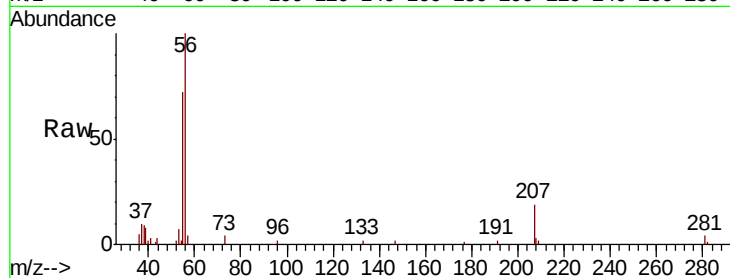
ClientSampleId :

Tot Ion: 56 Resp: 33866

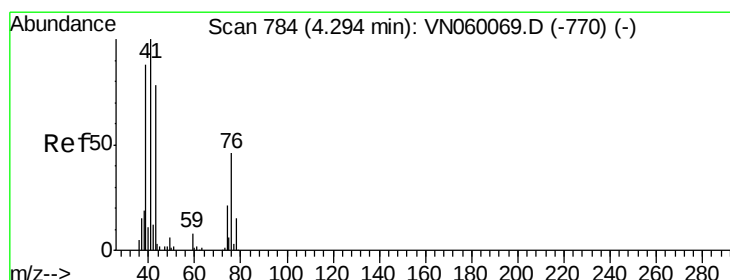
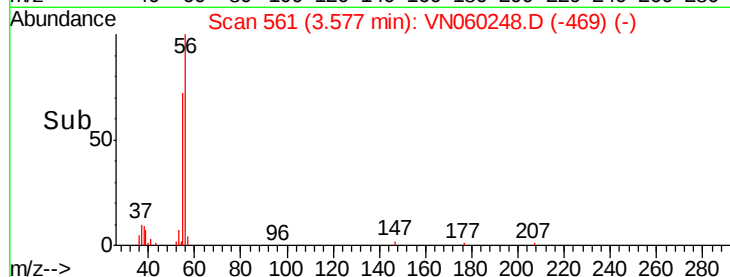
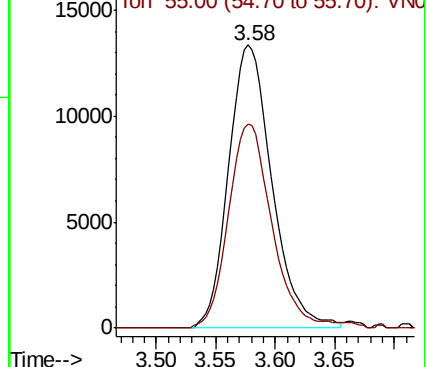
Ion Ratio Lower Upper

56 100

55 72.0 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)



#14

Allyl chloride

Concen: 23.496 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

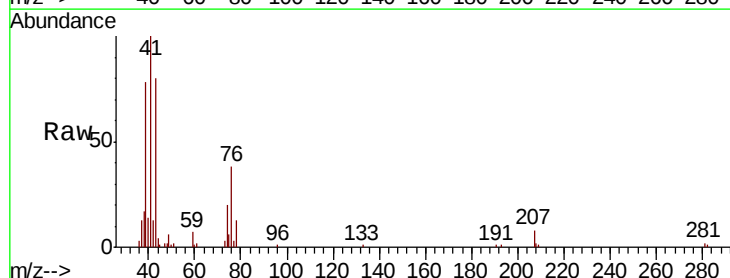
Tgt Ion: 41 Resp: 66093

Ion Ratio Lower Upper

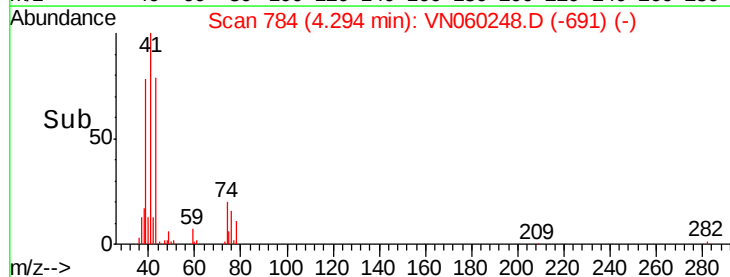
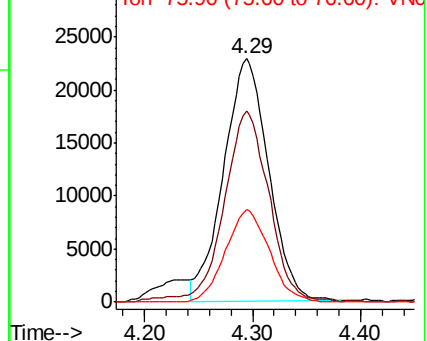
41 100

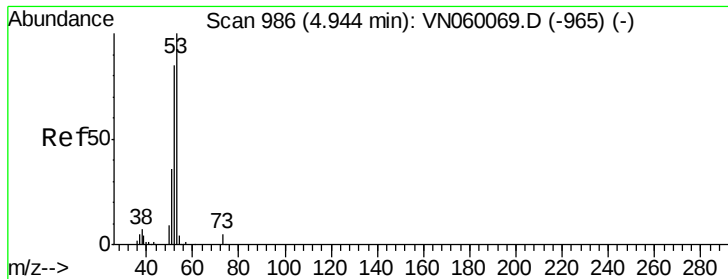
39 79.2 67.8 101.8

76 37.2 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)





#15

Acrylonitrile

Concen: 118.982 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

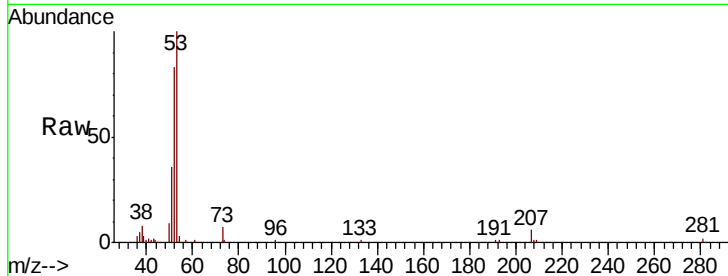
Tot Ion: 53 Resp: 106954

Ion Ratio Lower Upper

53 100

52 81.8 66.8 100.2

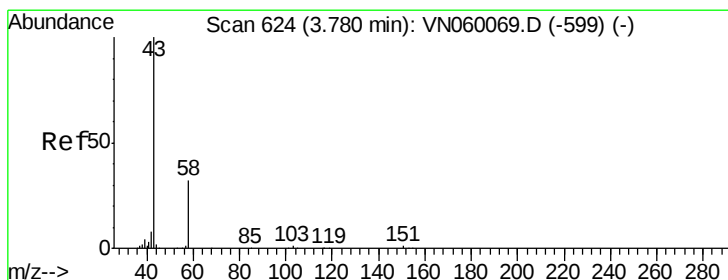
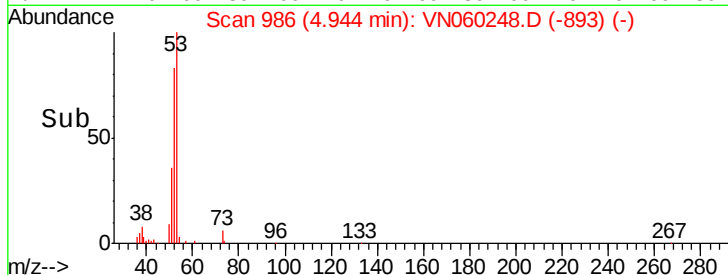
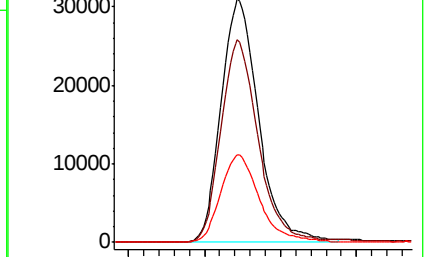
51 37.1 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN060248.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060248.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060248.D (-965) (-)



#16

Acetone

Concen: 78.548 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060248.D

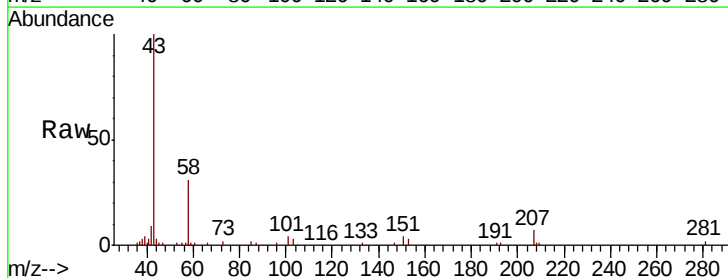
Acq: 26 Feb 2020 14:02

Tgt Ion: 43 Resp: 84275

Ion Ratio Lower Upper

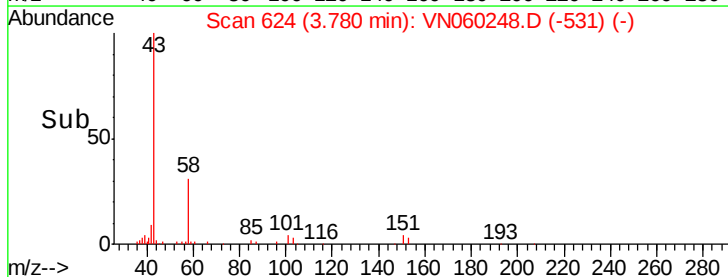
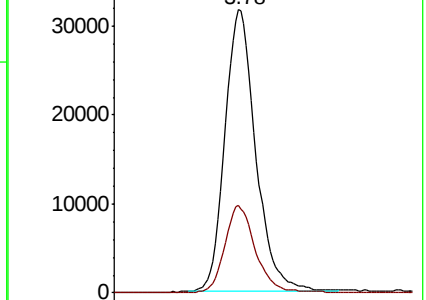
43 100

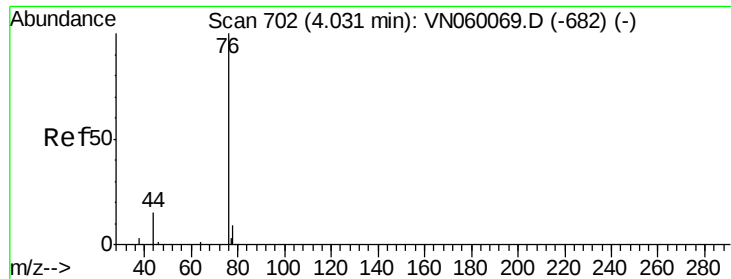
58 30.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060248.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060248.D (-599) (-)





#17

Carbon Disulfide

Concen: 18.480 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

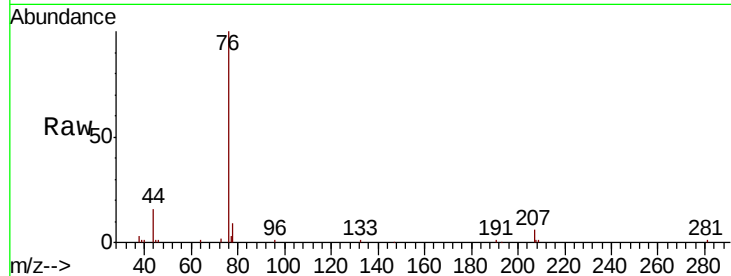
ClientSampleId :

Tot Ion: 76 Resp: 106455

Ion Ratio Lower Upper

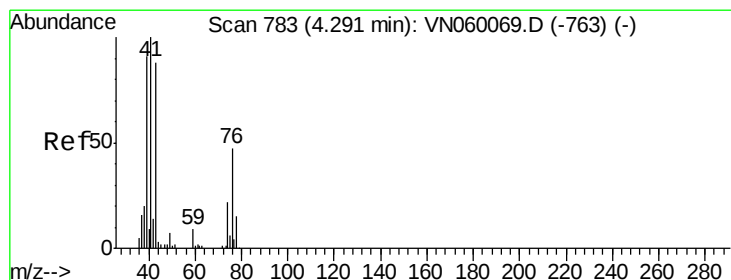
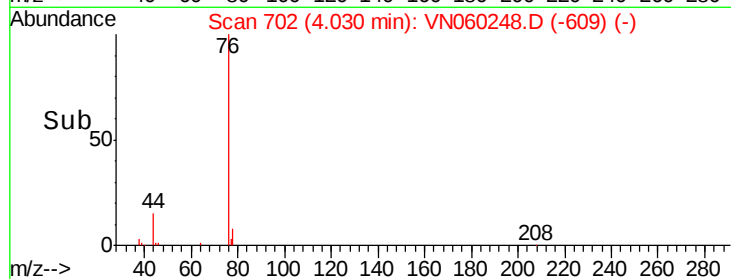
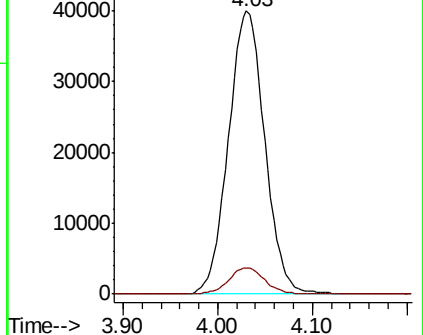
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN060069.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN060069.D (-682) (-)



#18

Methyl Acetate

Concen: 28.436 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060248.D

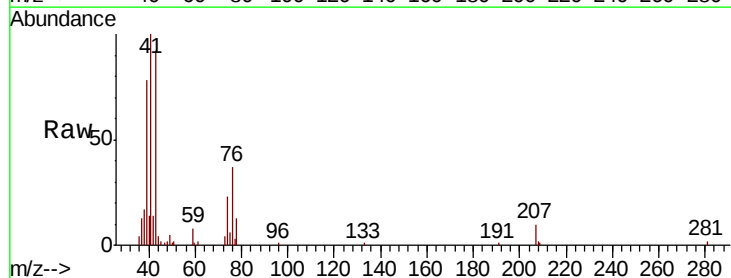
Acq: 26 Feb 2020 14:02

Tgt Ion: 43 Resp: 57311

Ion Ratio Lower Upper

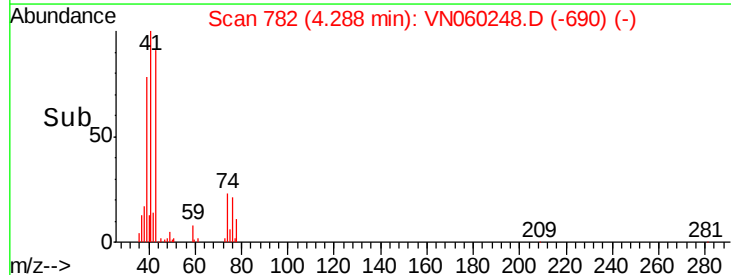
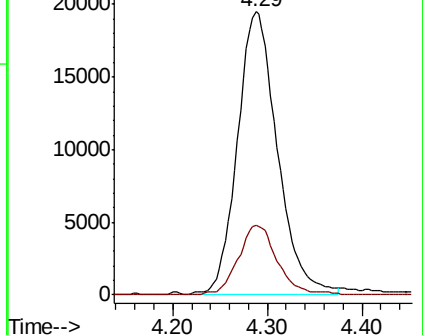
43 100

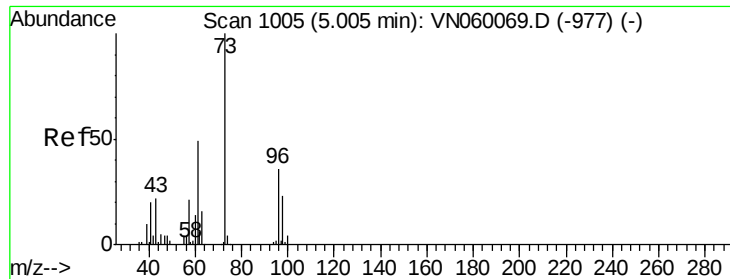
74 24.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-763) (-)

Ion 74.00 (73.70 to 74.70): VN060069.D (-763) (-)

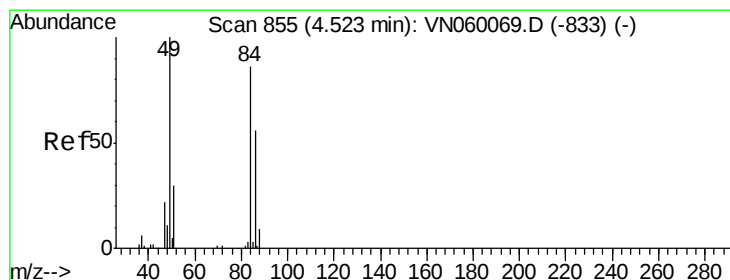
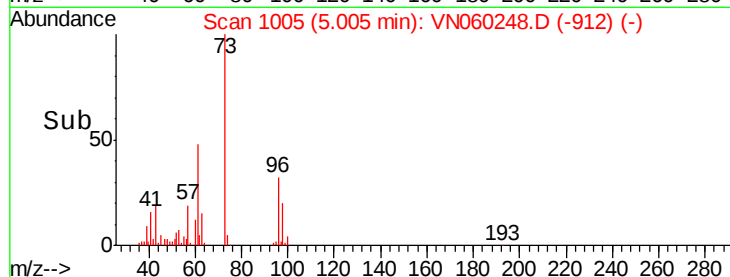
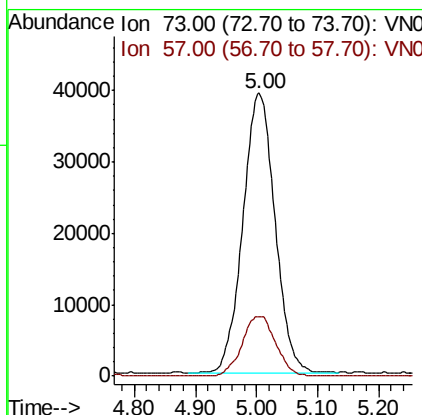
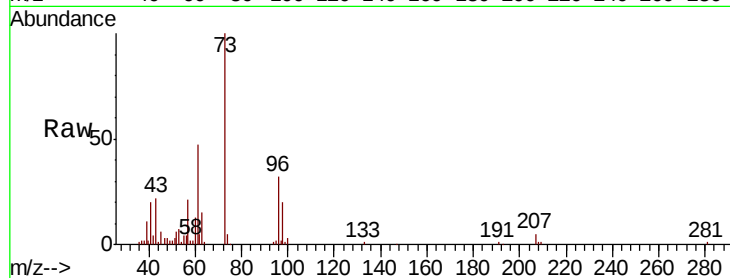




#19
Methvl tert-butvl Ether
Concen: 22.307 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

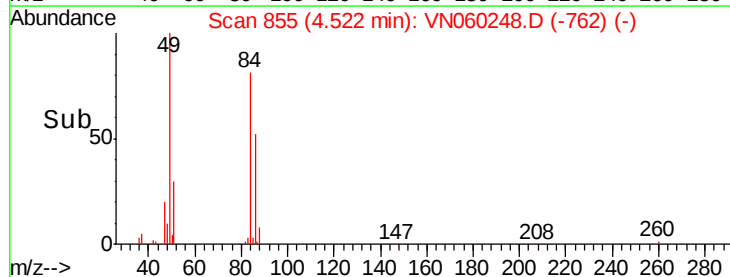
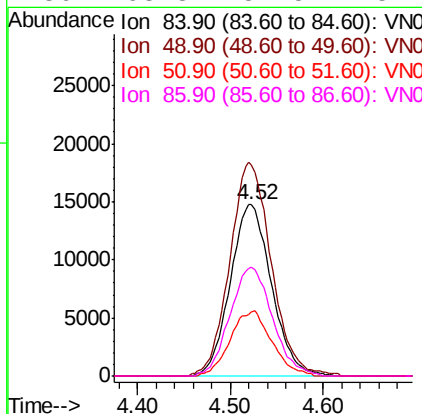
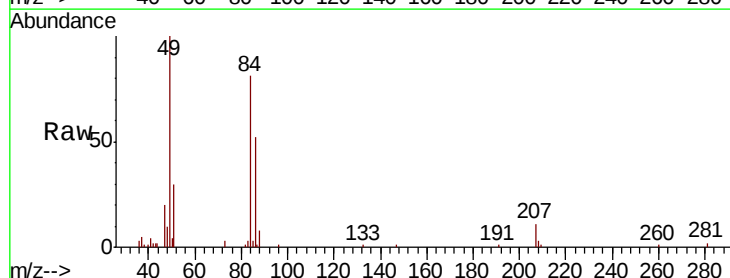
Instrument :
MSVOA_N
ClientSampleId :

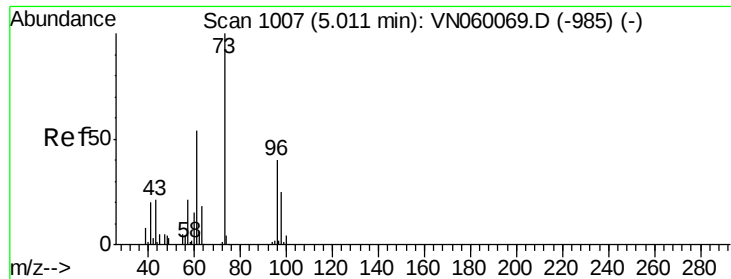
Tot Ion: 73 Resp: 143369
Ion Ratio Lower Upper
73 100
57 21.2 17.2 25.8



#20
Methylene Chloride
Concen: 21.283 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 84 Resp: 45557
Ion Ratio Lower Upper
84 100
49 123.4 93.4 140.0
51 37.4 28.4 42.6
86 63.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.060 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :

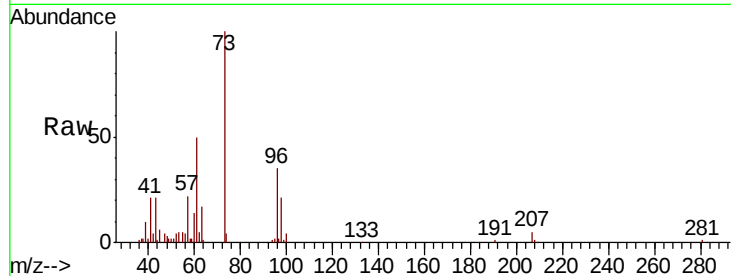
Tot Ion: 96 Resp: 41792

Ion Ratio Lower Upper

96 100

61 143.7 109.3 163.9

98 61.3 51.0 76.6

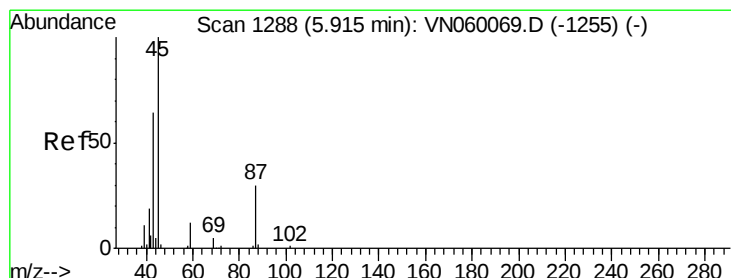
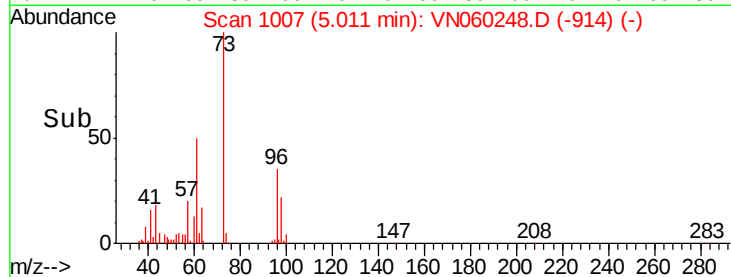
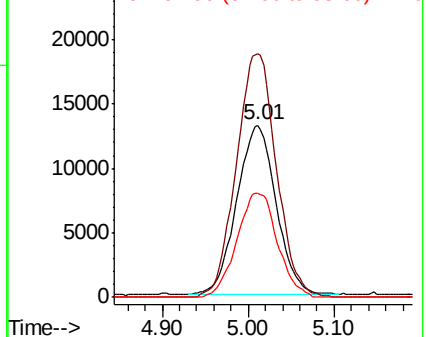


Abundance

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: 23.679 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion: 45 Resp: 145977

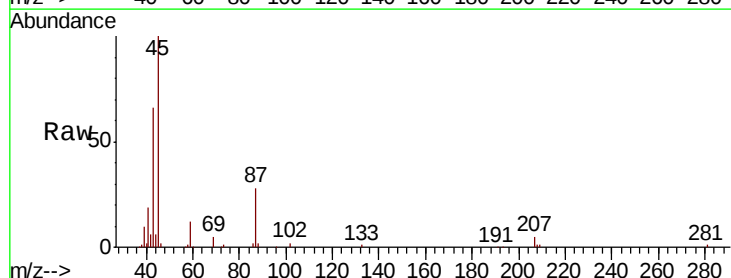
Ion Ratio Lower Upper

45 100

43 64.6 55.9 83.9

87 27.8 24.5 36.7

59 11.9 9.9 14.9



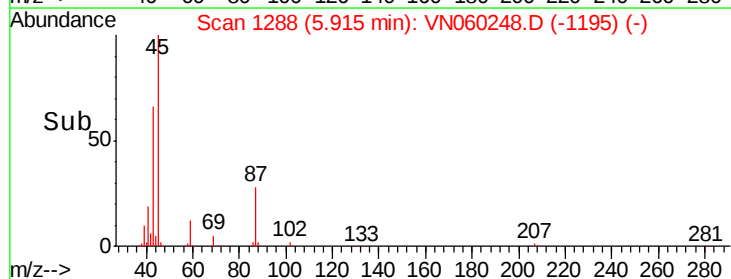
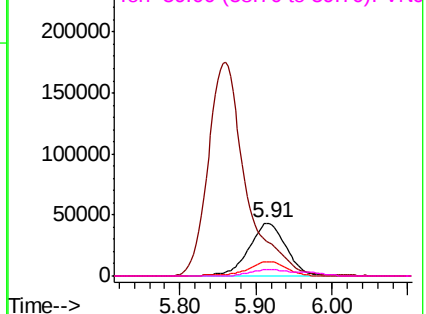
Abundance

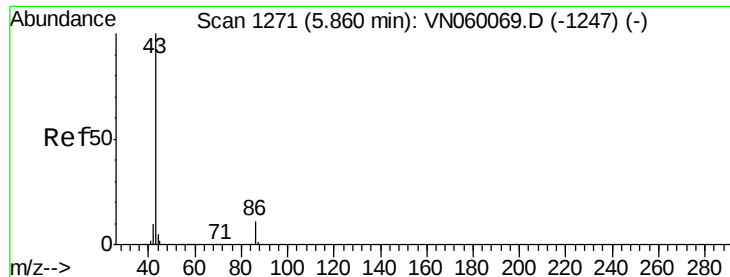
Ion 45.00 (44.70 to 45.70): VN0

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: 116.146 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

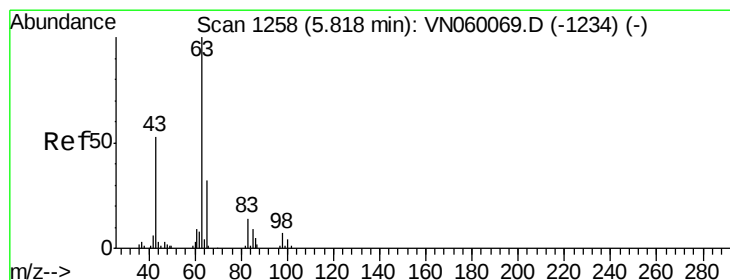
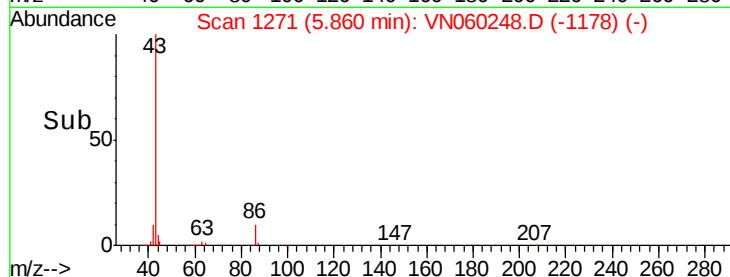
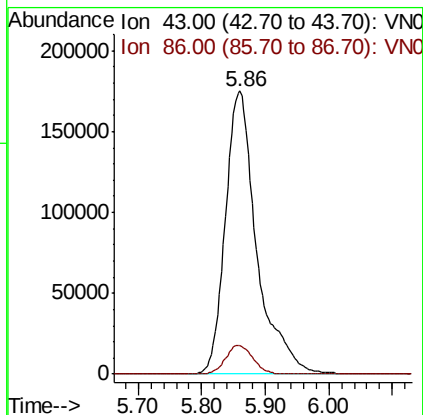
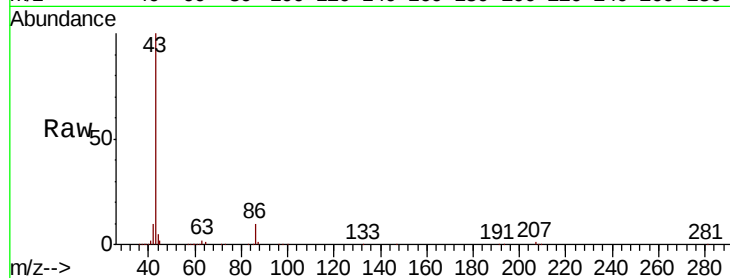
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 601290

Ion Ratio Lower Upper

43 100

86 10.1 8.9 13.3



#24

1,1-Dichloroethane

Concen: 22.020 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

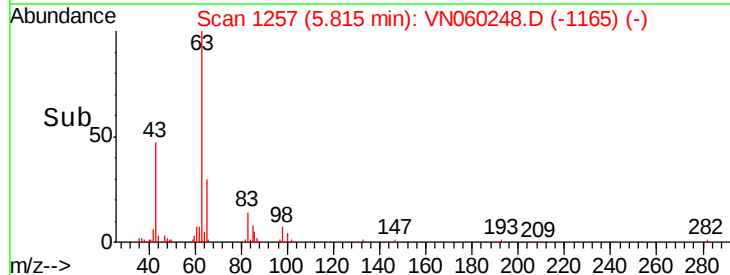
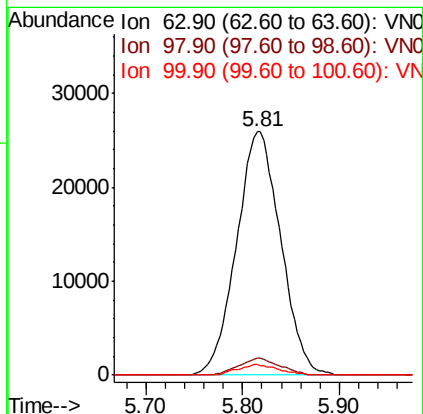
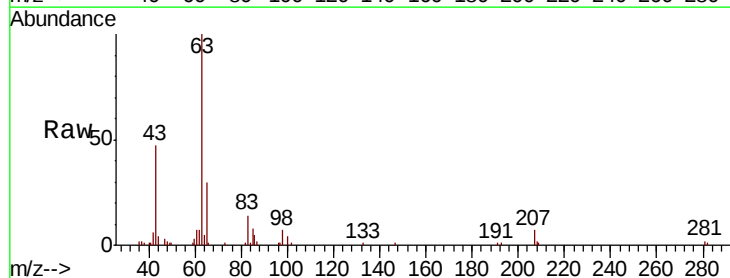
Tgt Ion: 63 Resp: 82236

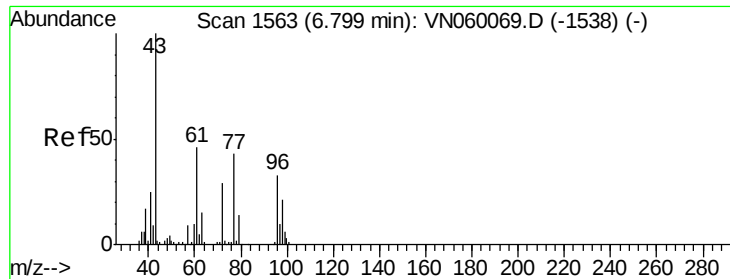
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 103.400 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

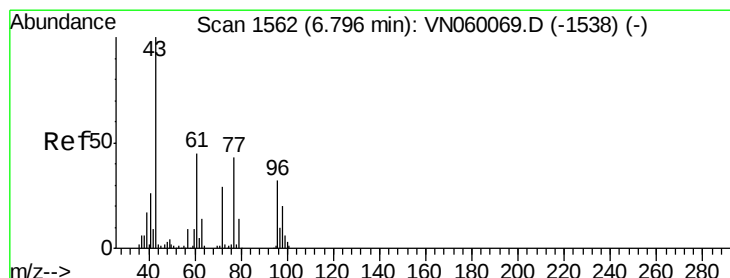
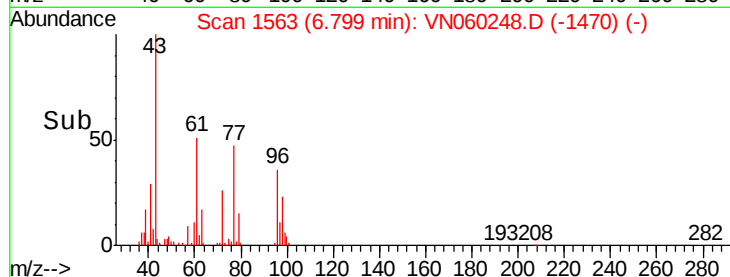
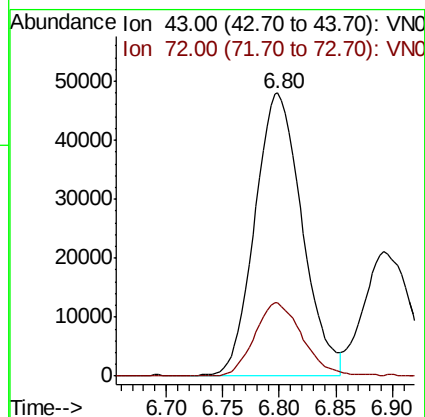
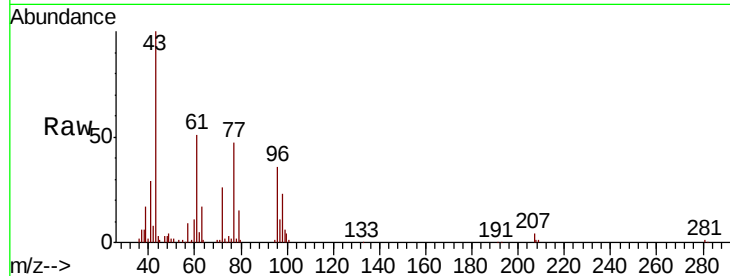
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 139526

Ion Ratio Lower Upper

43 100

72 25.8 23.3 34.9



#26

2,2-Dichloropropane

Concen: 20.410 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060248.D

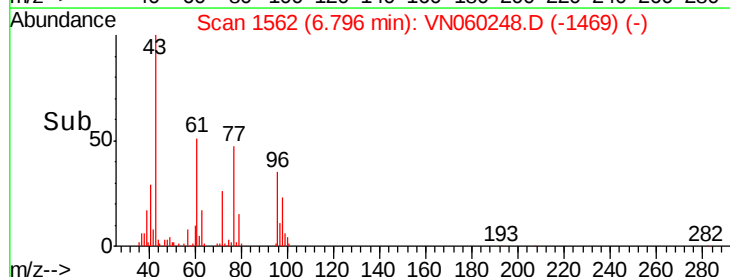
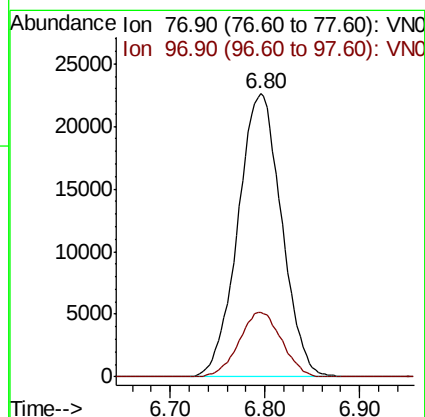
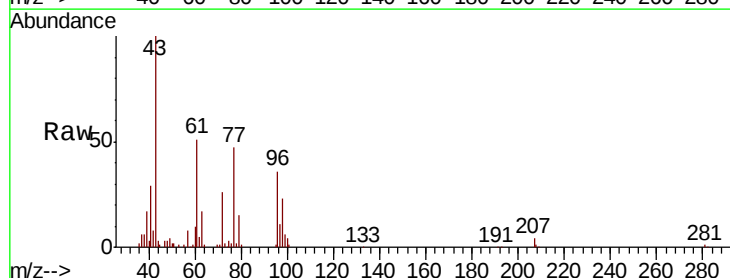
Acq: 26 Feb 2020 14:02

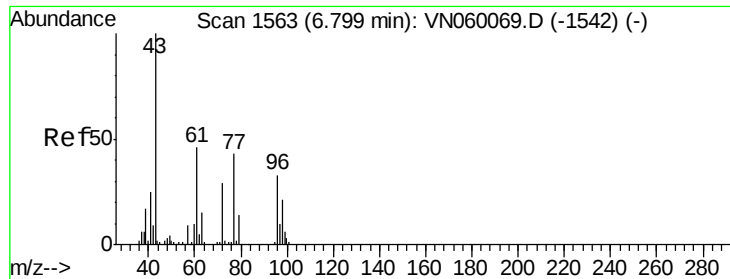
Tgt Ion: 77 Resp: 72397

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2

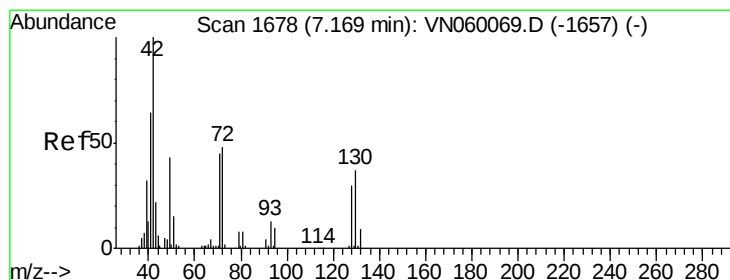
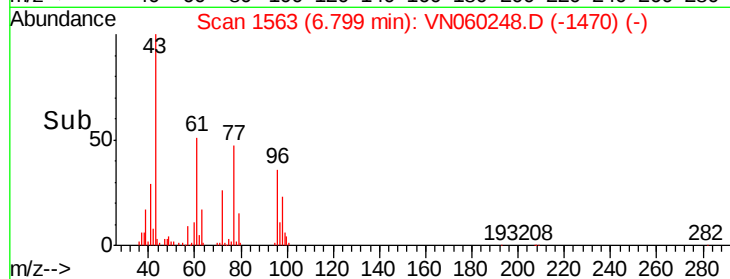
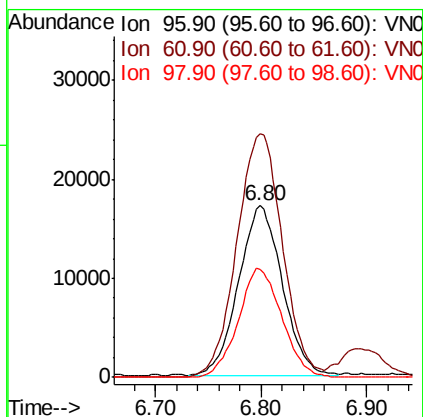
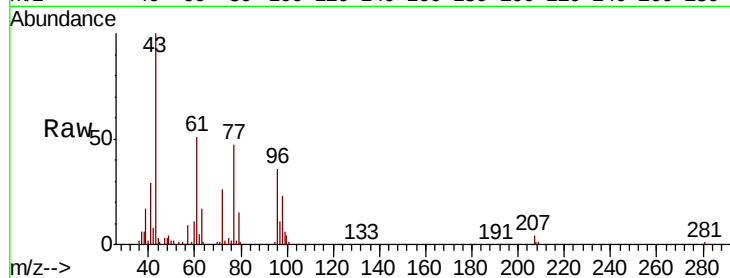




#27
 cis-1,2-Dichloroethene
 Concen: 20.179 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

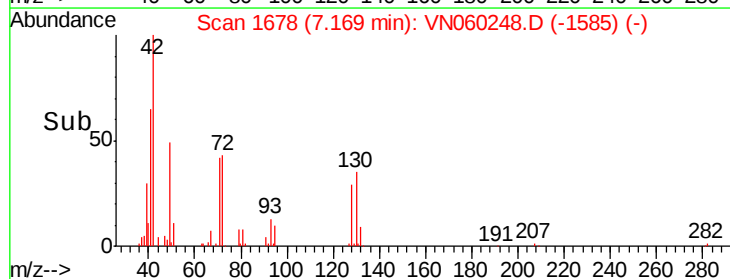
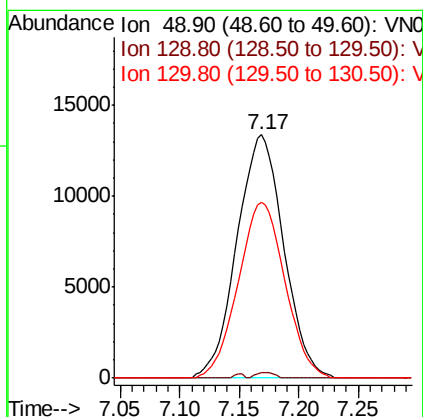
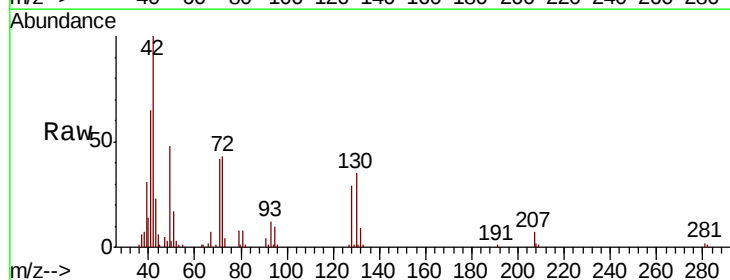
Instrument :
 MSVOA_N
 ClientSampleId :

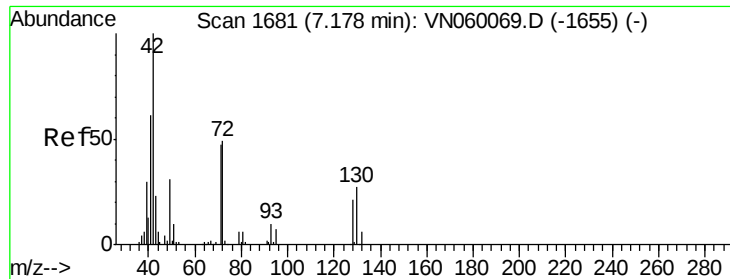
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	285.8
98	64.2	0.0	129.6



#28
 Bromochloromethane
 Concen: 24.772 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.2
130	72.2	66.8	100.2

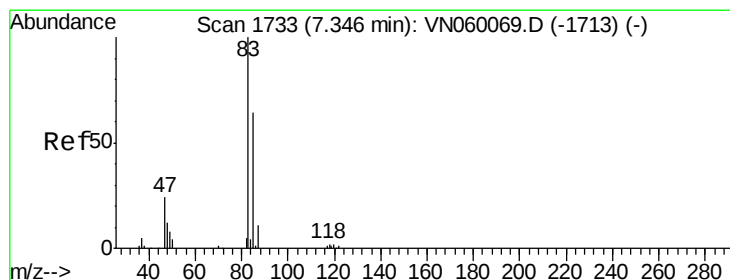
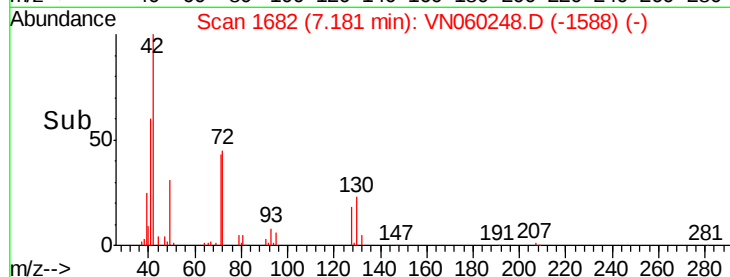
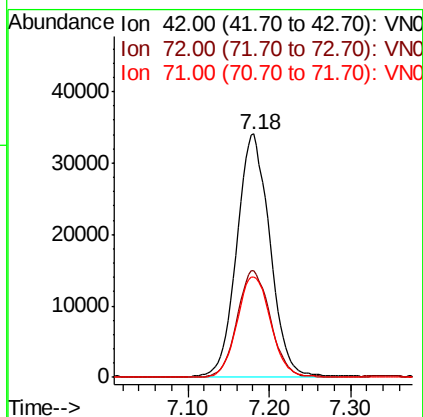
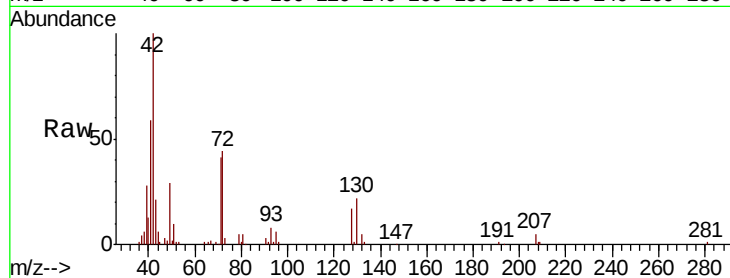




#29
Tetrahydrofuran
Concen: 116.328 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

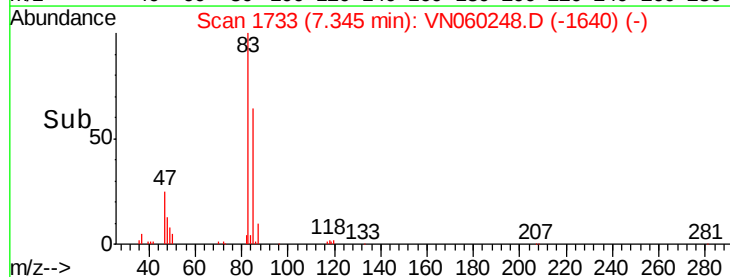
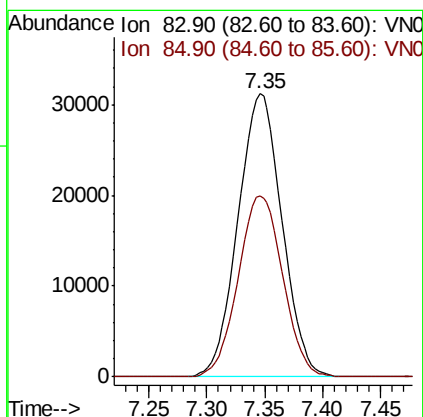
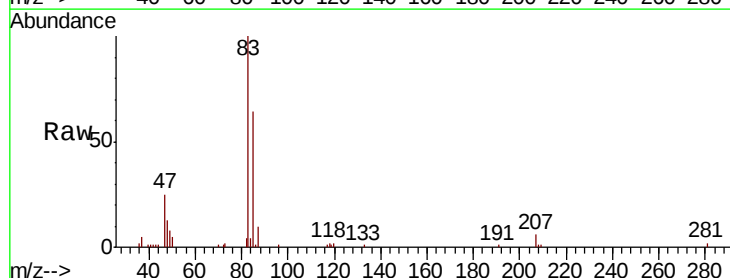
Instrument :
MSVOA_N
ClientSampleId :

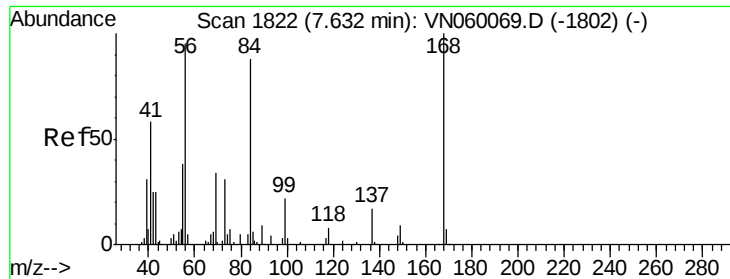
Tot Ion: 42 Resp: 96298
Ion Ratio Lower Upper
42 100
72 43.8 38.2 57.4
71 41.7 36.6 54.8



#30
Chloroform
Concen: 21.034 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 83 Resp: 82287
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.0

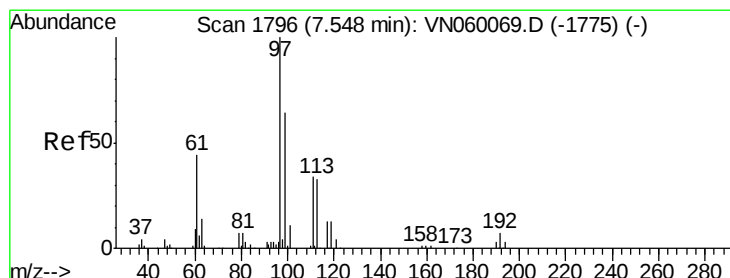
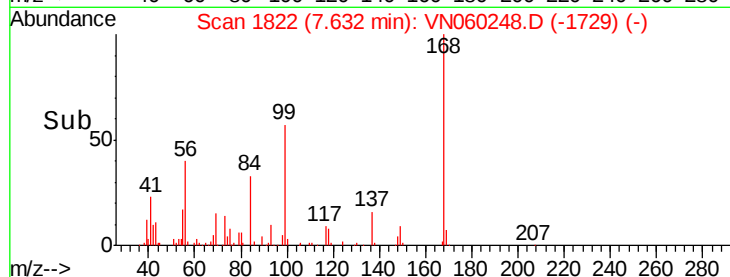
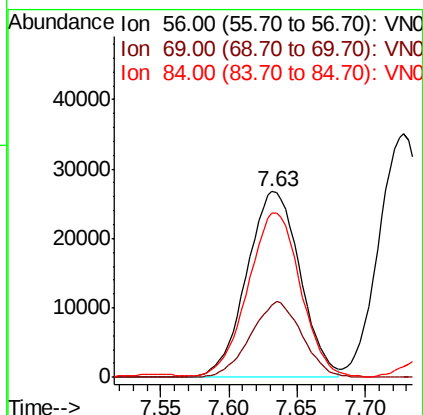
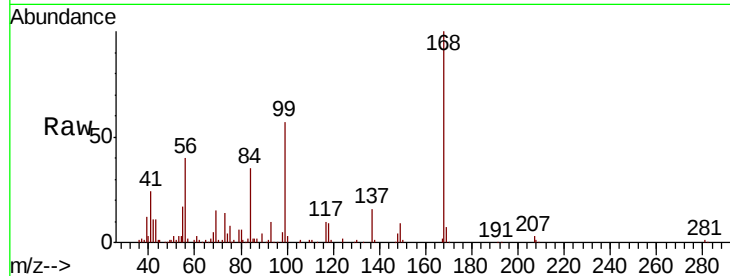




#31
Cyclohexane
Concen: 20.882 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

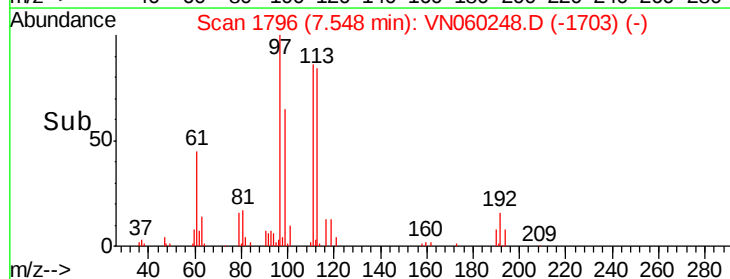
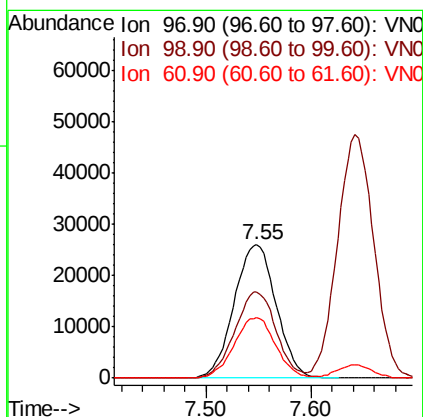
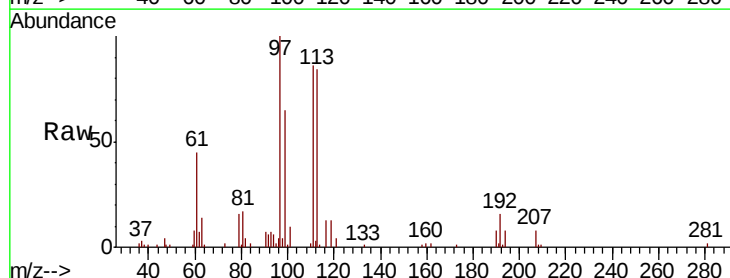
Instrument :
MSVOA_N
ClientSampled :

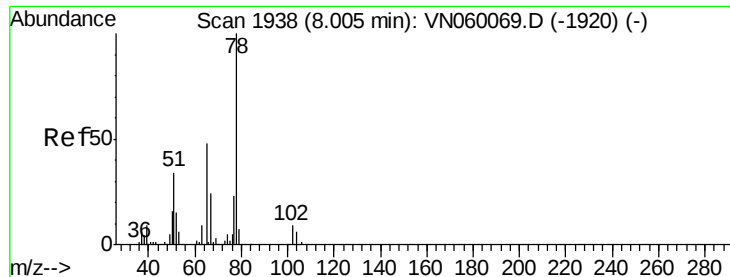
Tot Ion: 56 Resp: 72646
Ion Ratio Lower Upper
56 100
69 38.9 28.3 42.5
84 87.6 72.6 108.8



#32
1,1,1-Trichloroethane
Concen: 20.157 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 97 Resp: 72062
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.0
61 44.6 34.9 52.3

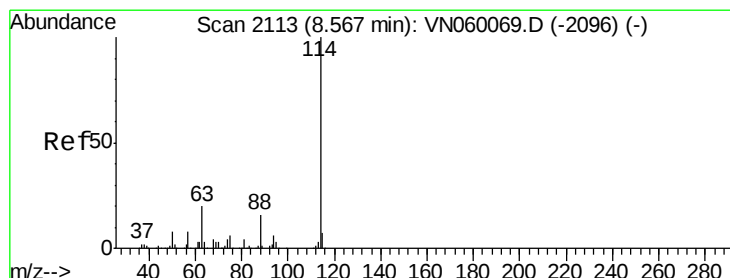
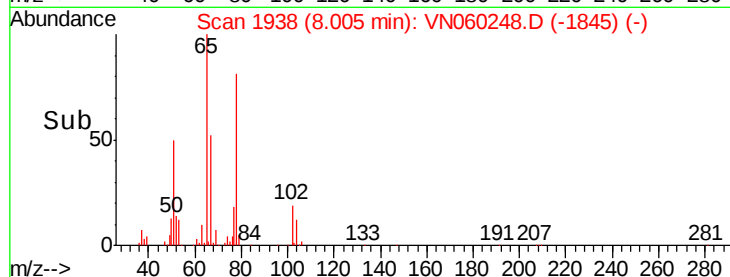
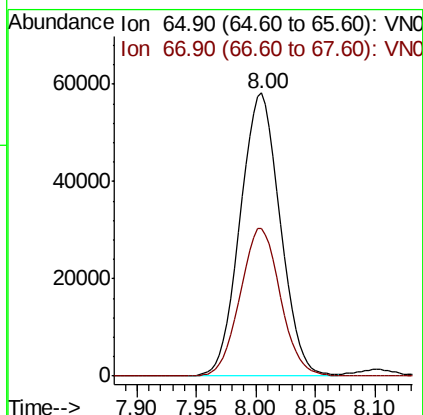
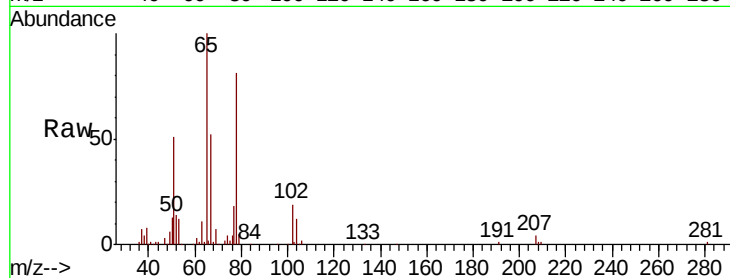




#33
 1,2-Dichloroethane-d4
 Concen: 55.163 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

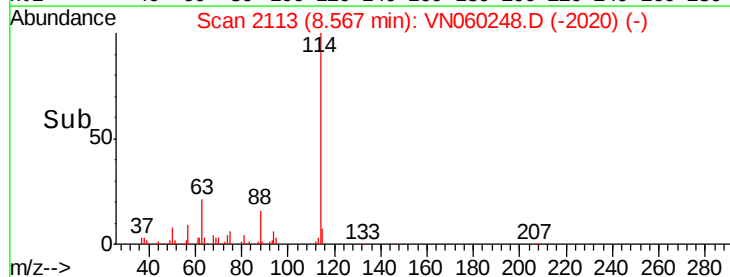
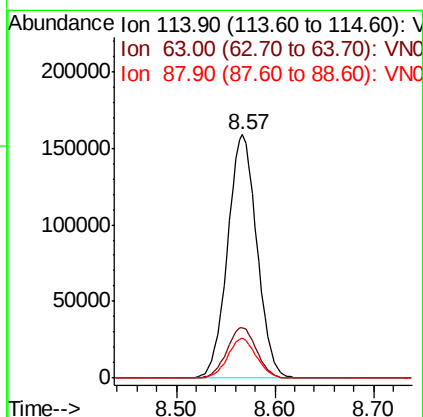
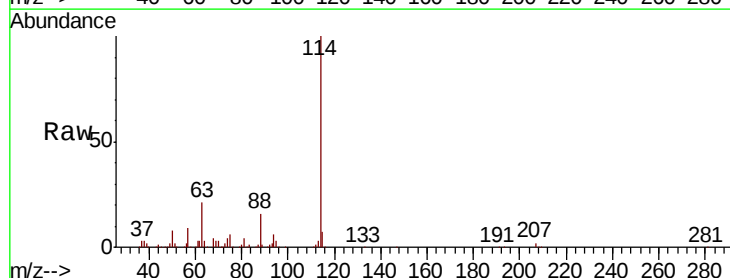
Instrument :
 MSVOA_N
 ClientSampleId :

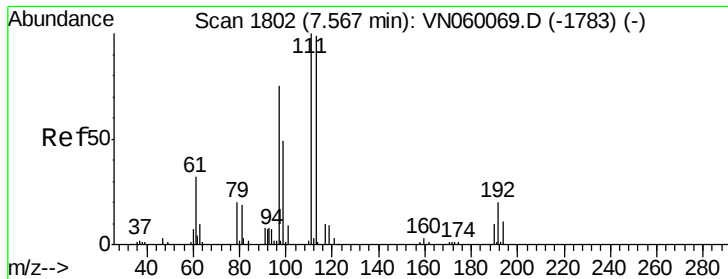
Tot Ion: 65 Resp: 135686
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion: 114 Resp: 326169
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.0
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.343 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampled :

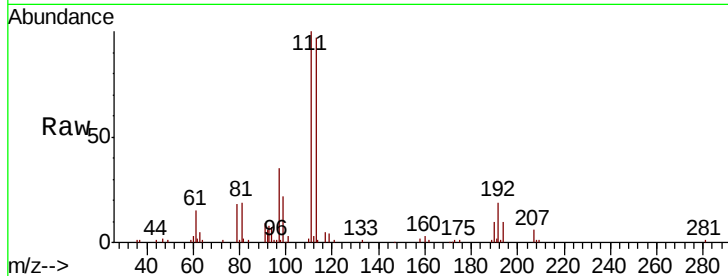
Tot Ion:113 Resp: 96925

Ion Ratio Lower Upper

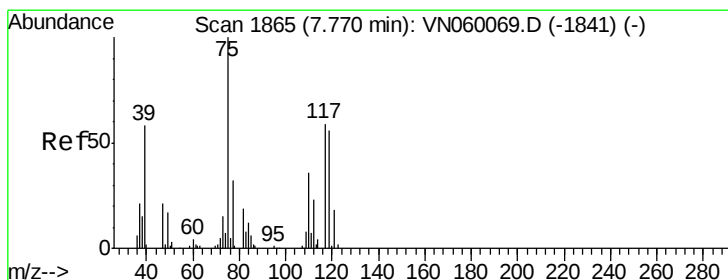
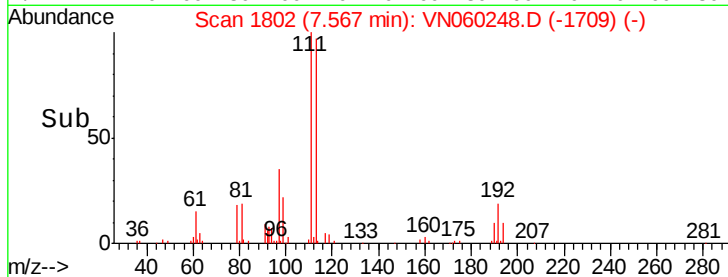
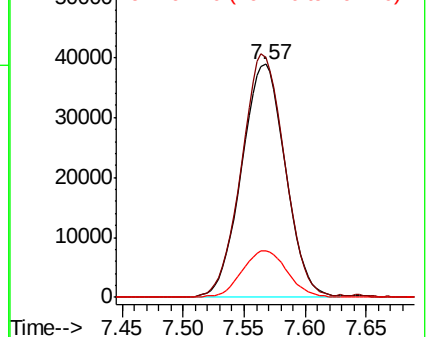
113 100

111 102.9 81.4 122.2

192 20.5 16.2 24.2



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



#36

1,1-Dichloropropene

Concen: 20.053 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

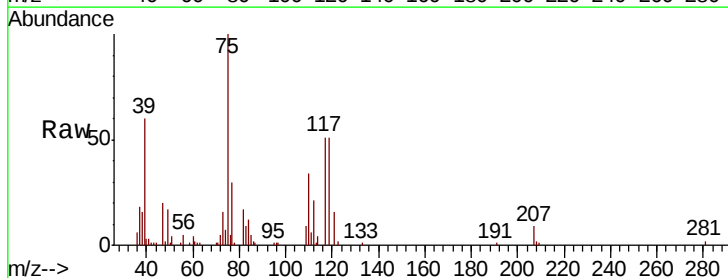
Tgt Ion: 75 Resp: 60582

Ion Ratio Lower Upper

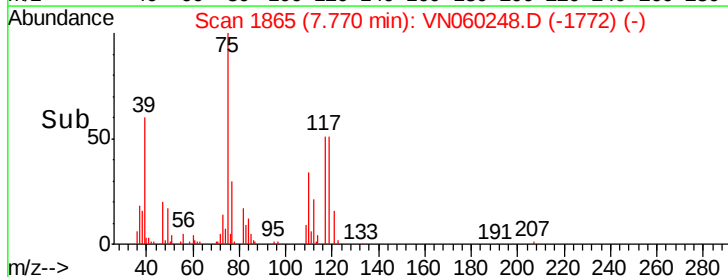
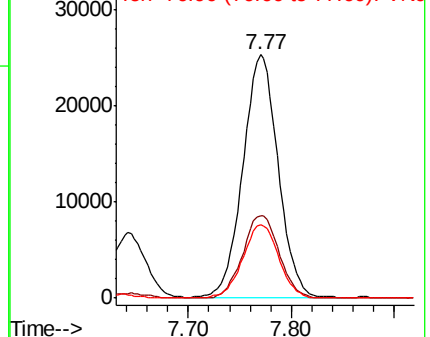
75 100

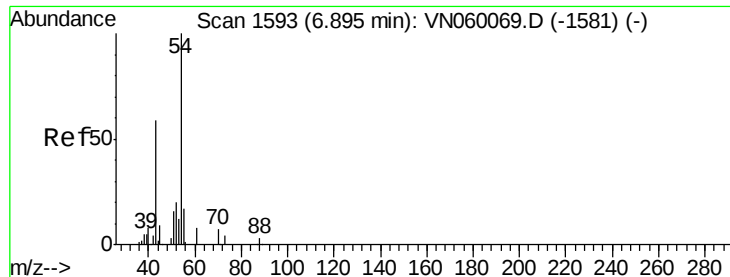
110 34.7 18.1 54.3

77 30.6 25.1 37.7



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

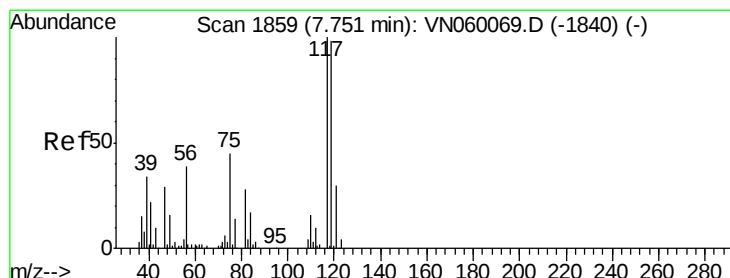
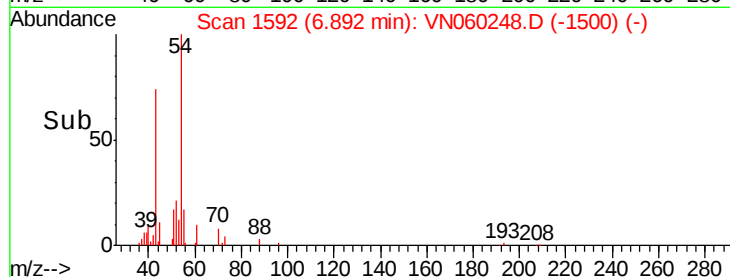
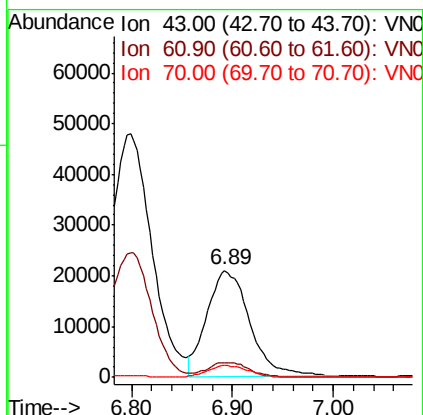
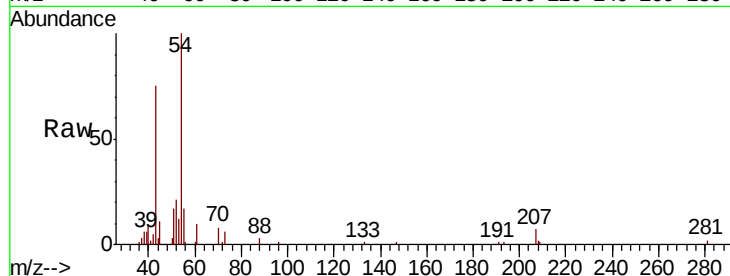




#37
Ethyl Acetate
Concen: 22.565 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

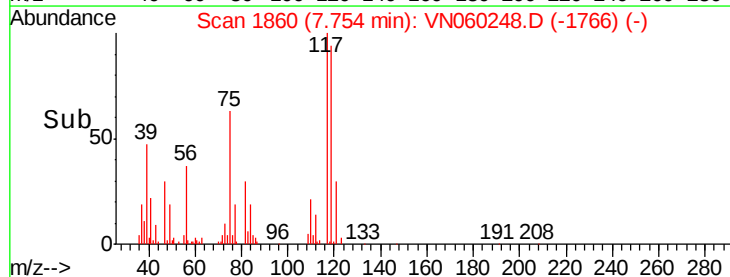
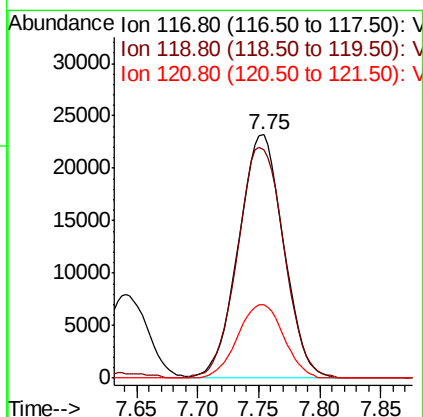
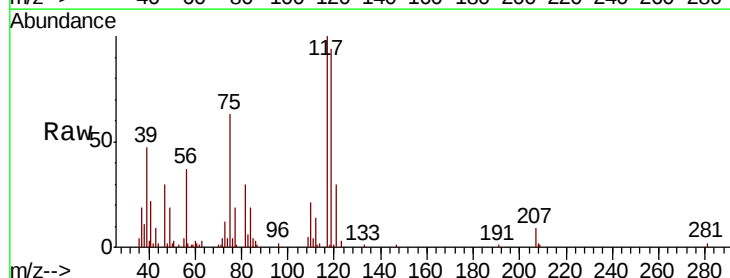
Instrument :
MSVOA_N
ClientSampled :

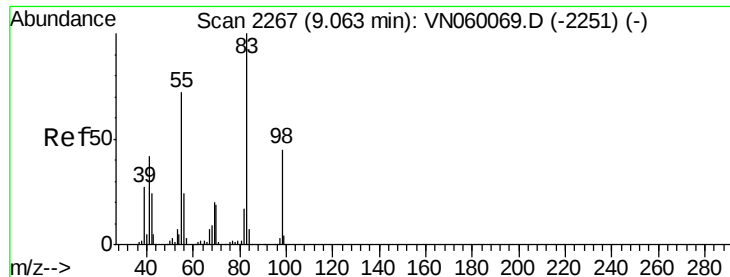
Tot Ion: 43 Resp: 61611
Ion Ratio Lower Upper
43 100
61 13.8 11.4 17.2
70 10.6 8.7 13.1



#38
Carbon Tetrachloride
Concen: 18.117 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 117 Resp: 59444
Ion Ratio Lower Upper
117 100
119 93.7 78.2 117.4
121 30.4 24.2 36.2

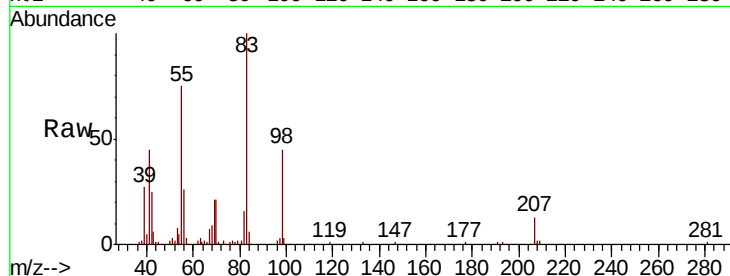




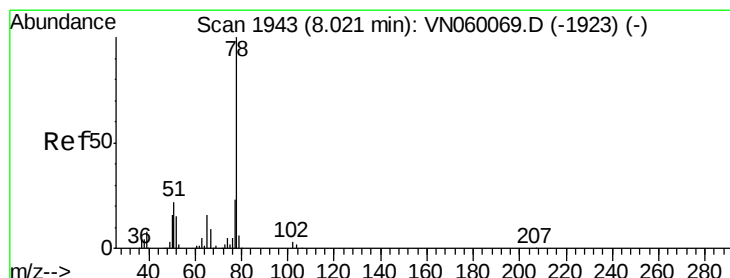
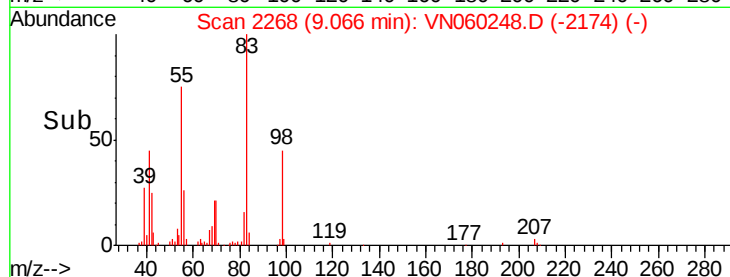
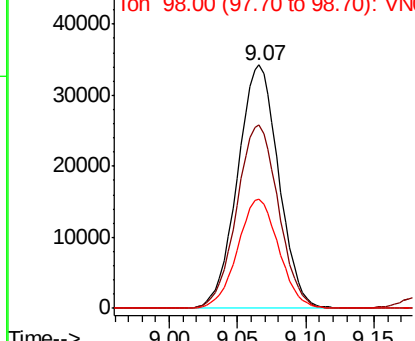
#39
Methvlcvclohexane
Concen: 19.118 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 71698
Ion Ratio Lower Upper
83 100
55 75.4 57.8 86.8
98 44.8 36.4 54.6

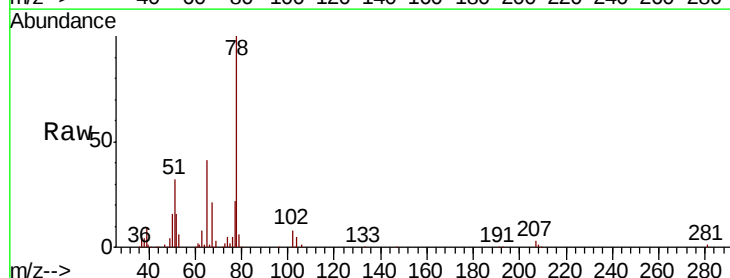


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

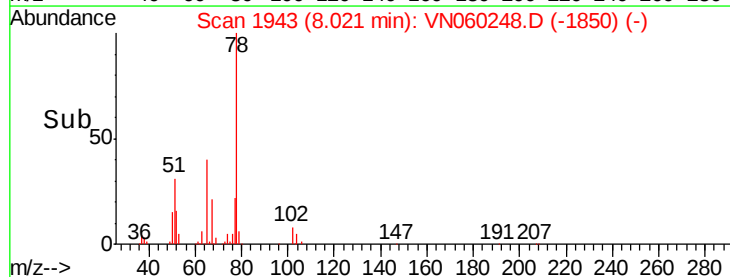
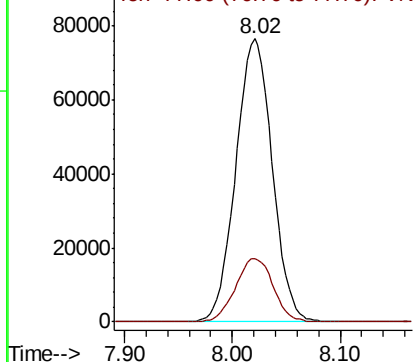


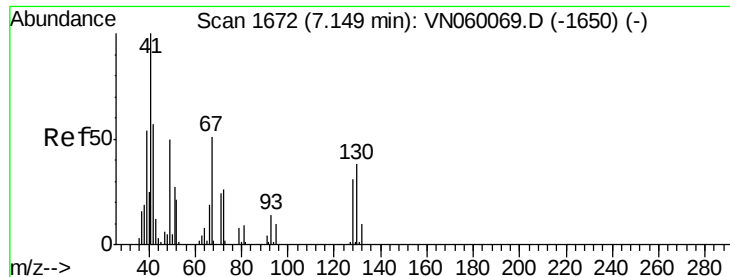
#40
Benzene
Concen: 20.067 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 78 Resp: 179832
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2



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

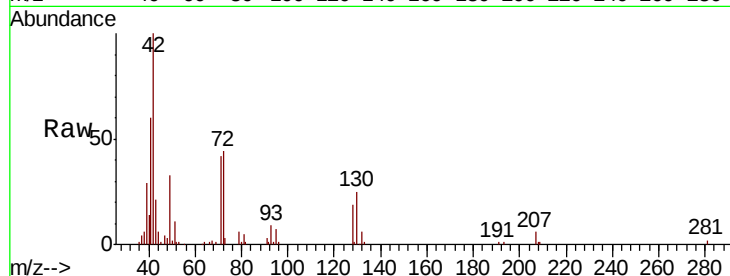




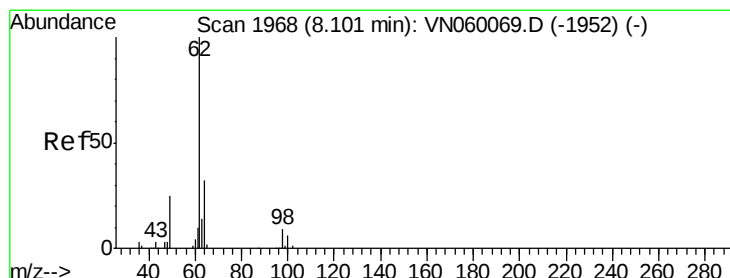
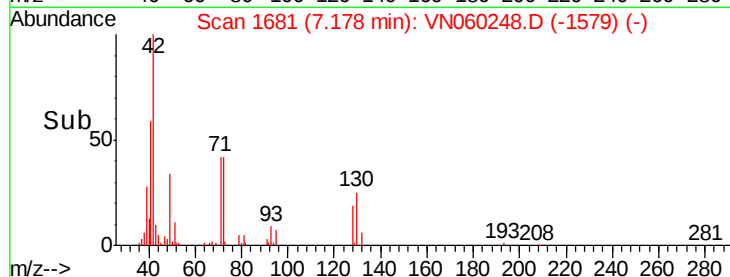
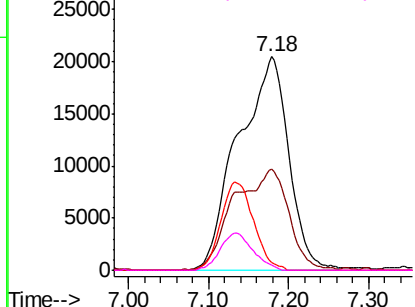
#41
Methacrylonitrile
Concen: 77.457 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	88692
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

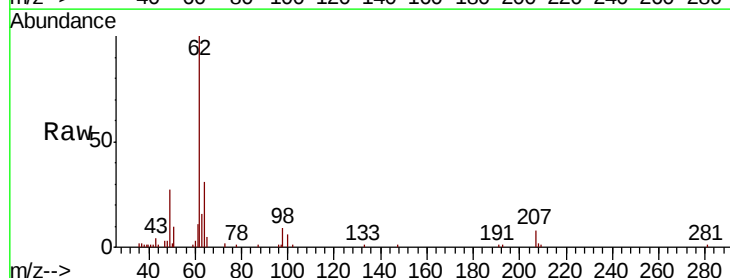


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

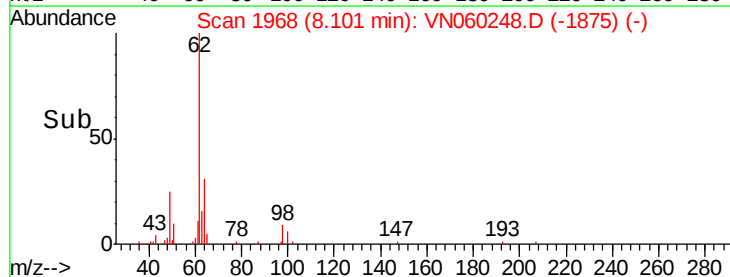
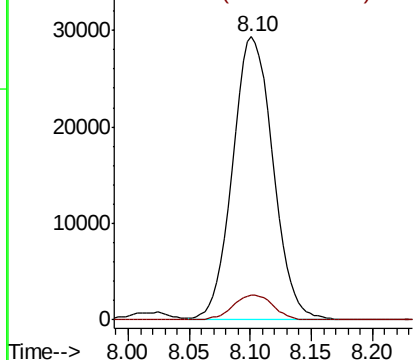


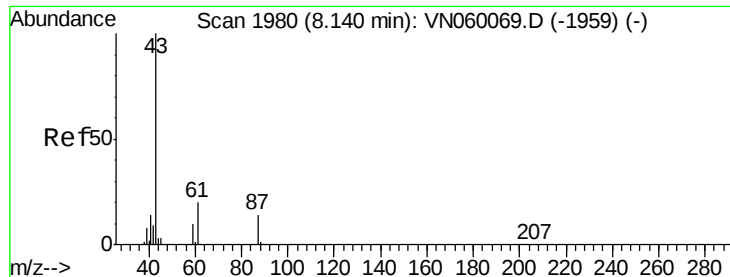
#42
1,2-Dichloroethane
Concen: 21.517 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion:	62	Resp:	67585
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 22.683 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

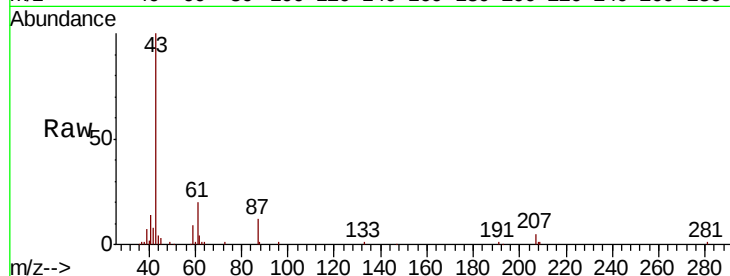
Tot Ion: 43 Resp: 105871

Ion Ratio Lower Upper

43 100

61 26.0 21.8 32.6

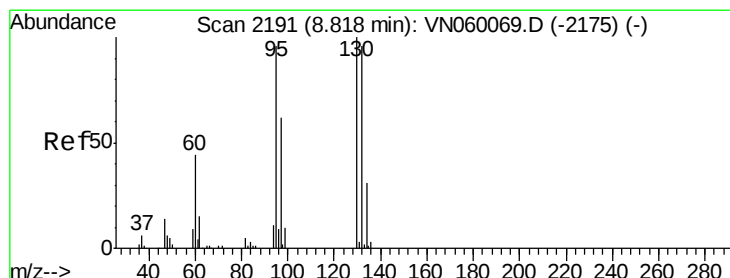
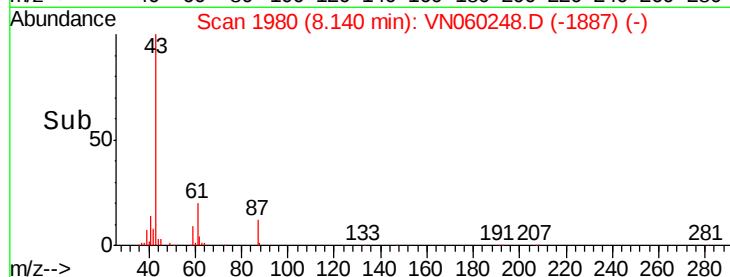
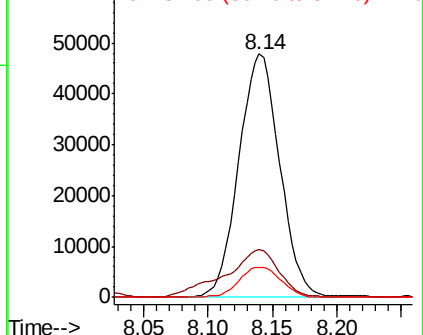
87 12.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#44

Trichloroethene

Concen: 20.374 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060248.D

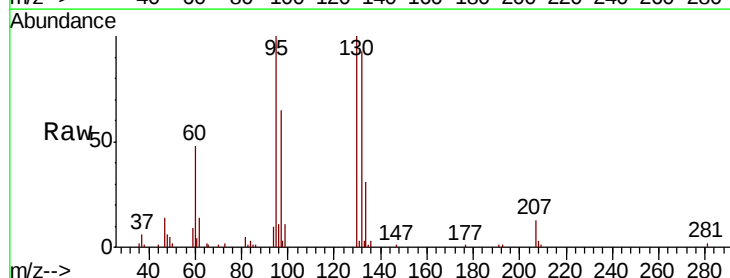
Acq: 26 Feb 2020 14:02

Tgt Ion:130 Resp: 50556

Ion Ratio Lower Upper

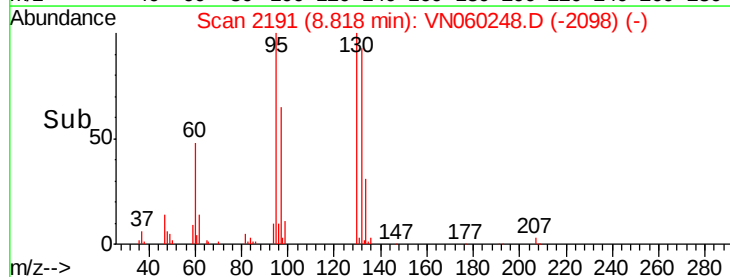
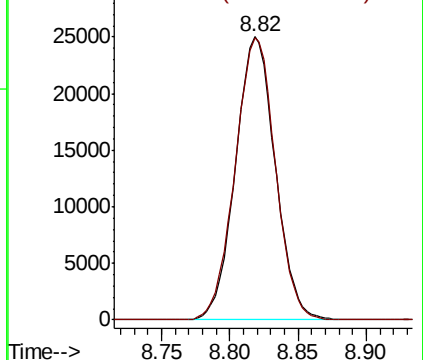
130 100

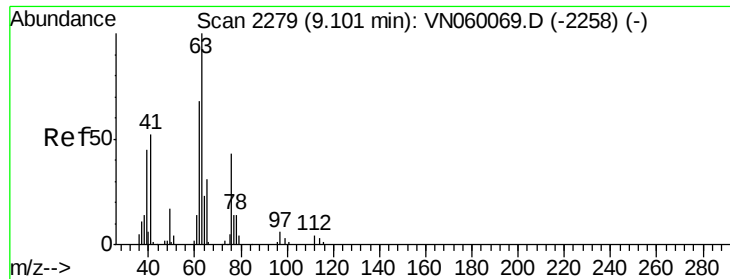
95 99.5 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060069.D (-2175) (-)

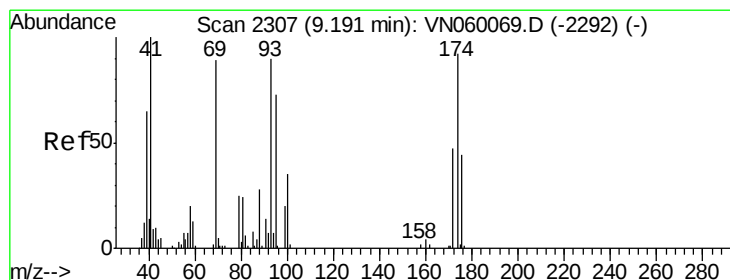
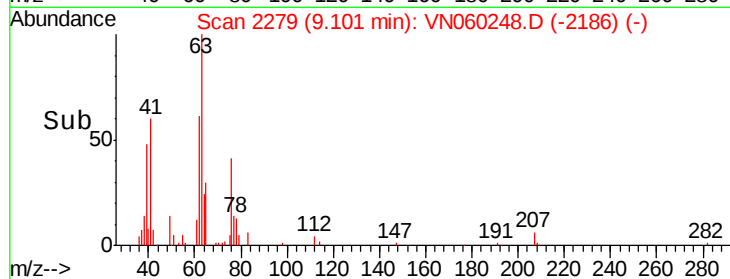
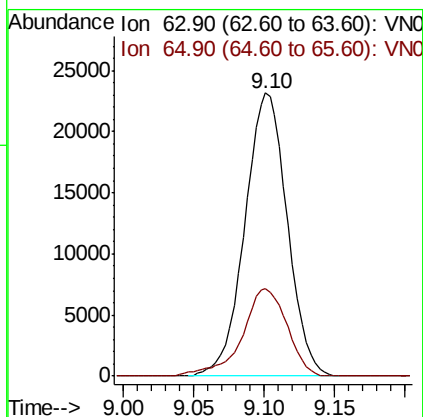
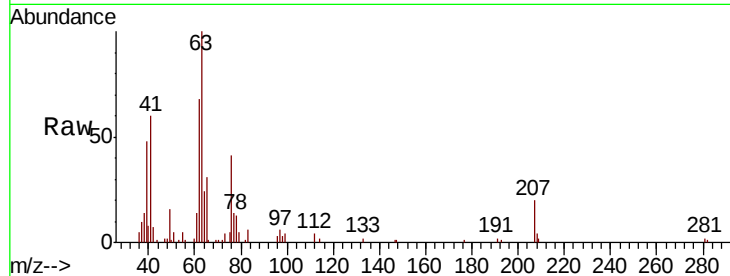




#45
 1,2-Dichloropropane
 Concen: 21.911 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

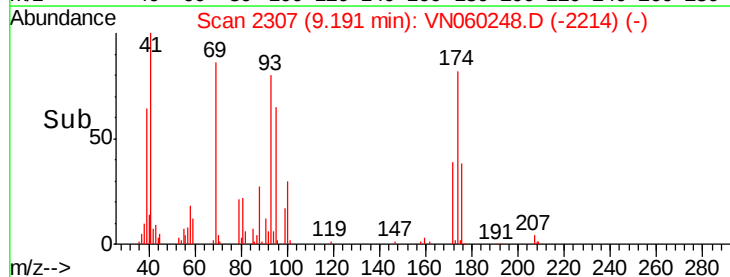
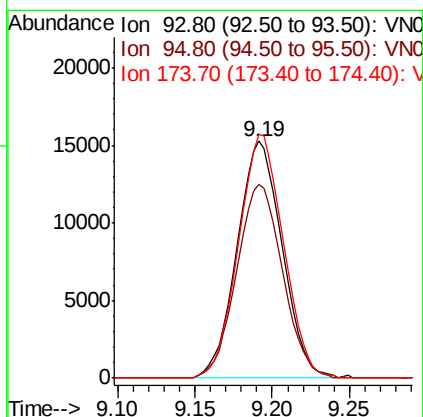
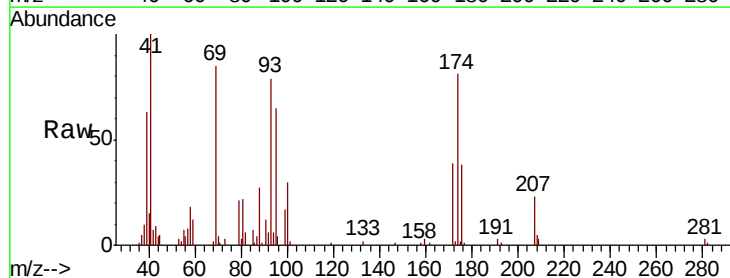
Instrument :
 MSVOA_N
 ClientSampled :

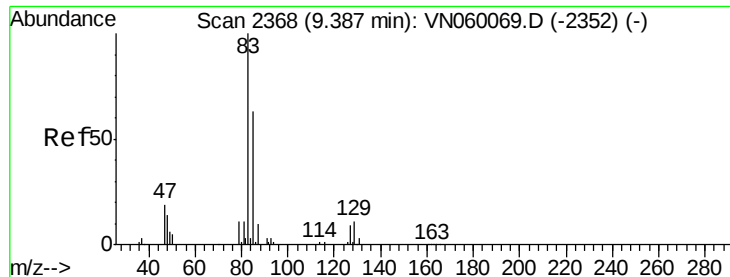
Tot Ion: 63 Resp: 48615
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4



#46
 Dibromomethane
 Concen: 19.692 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion: 93 Resp: 30875
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.0 97.6
 174 102.7 82.3 123.5





#47

Bromodichloromethane

Concen: 19.572 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

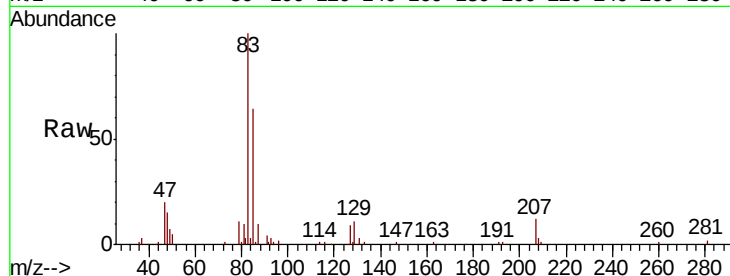
Tot Ion: 83 Resp: 62388

Ion Ratio Lower Upper

83 100

85 63.6 50.6 75.8

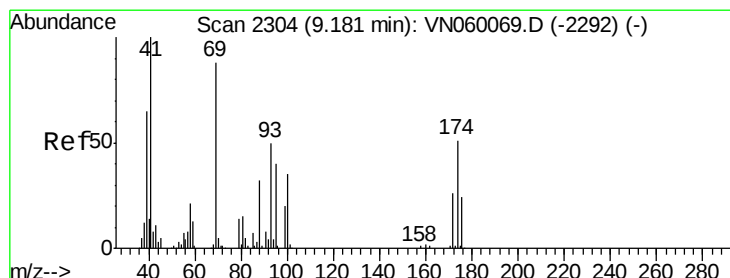
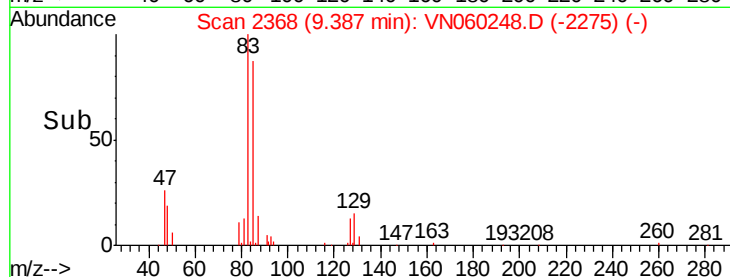
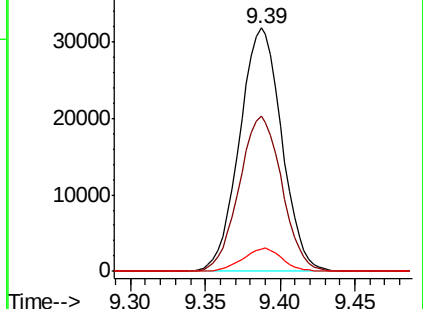
127 9.3 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 22.401 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

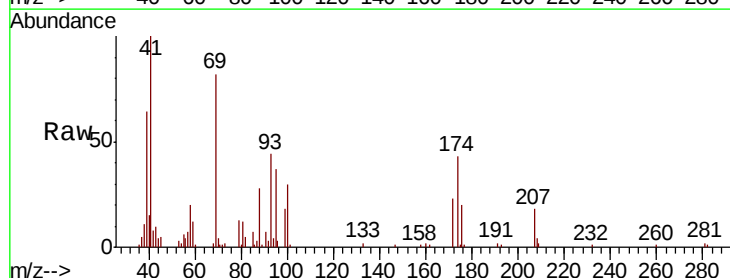
Tgt Ion: 41 Resp: 46910

Ion Ratio Lower Upper

41 100

69 83.3 72.0 108.0

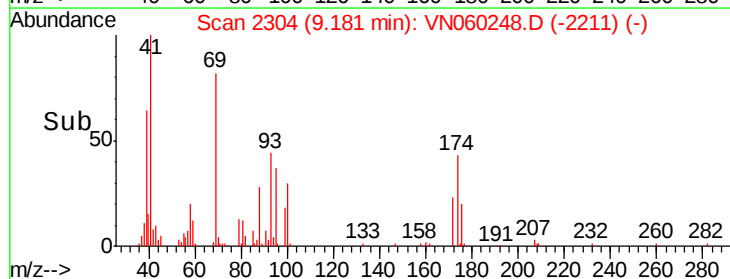
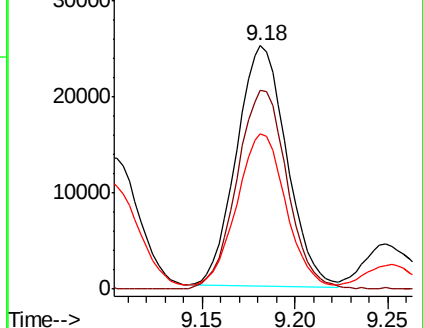
39 64.5 54.1 81.1

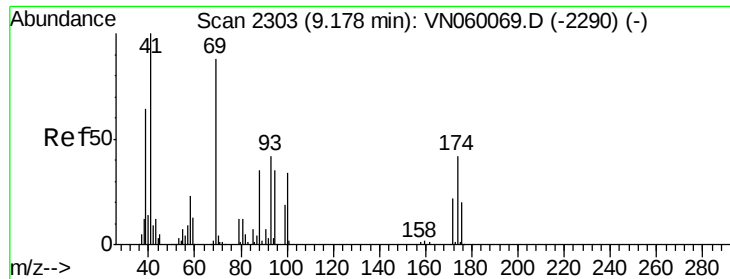


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

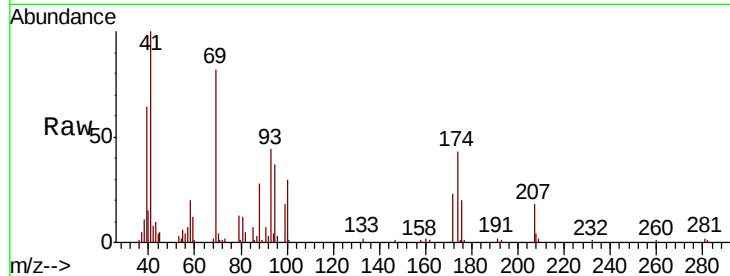




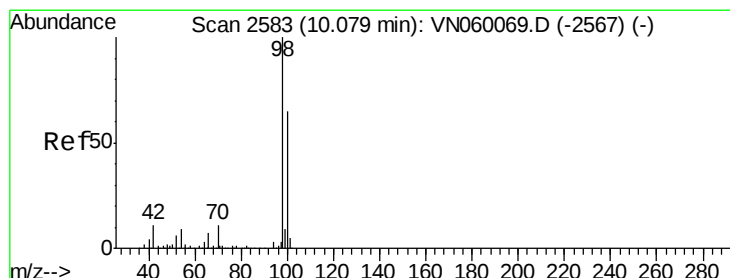
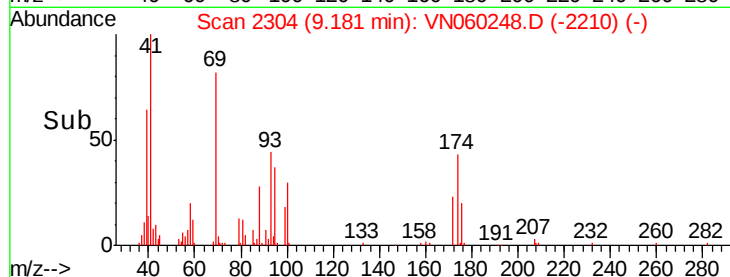
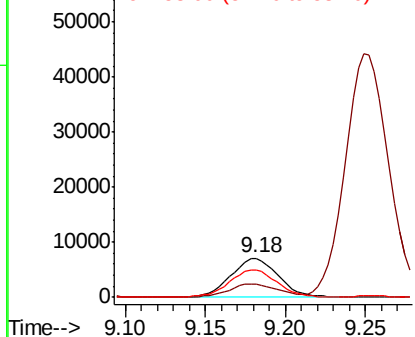
#49
1,4-Dioxane
Concen: 400.759 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 14339
Ion Ratio Lower Upper
88 100
43 36.0 26.2 39.2
58 70.7 53.2 79.8

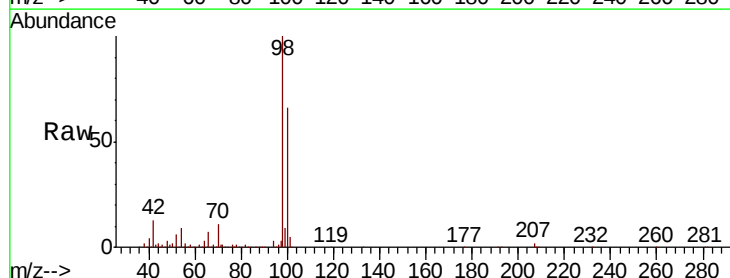


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

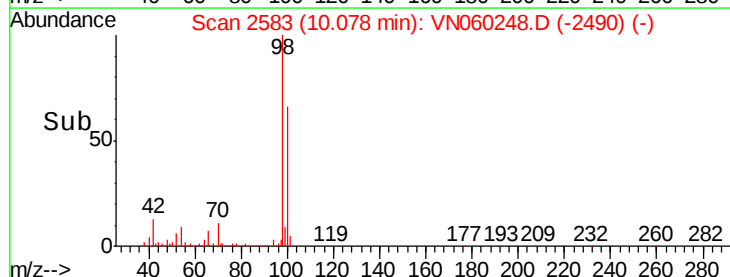
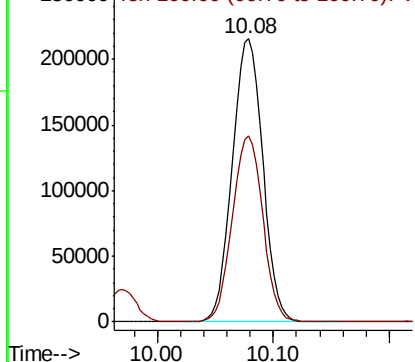


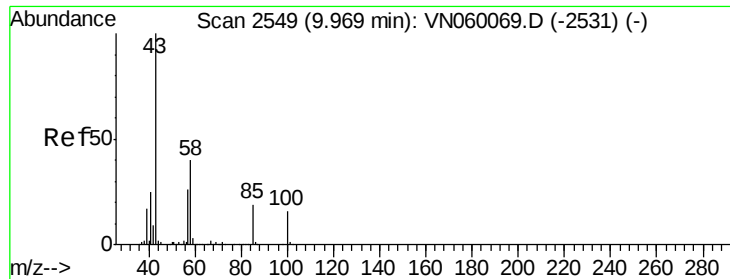
#50
Toluene-d8
Concen: 49.713 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 98 Resp: 392509
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 112.598 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

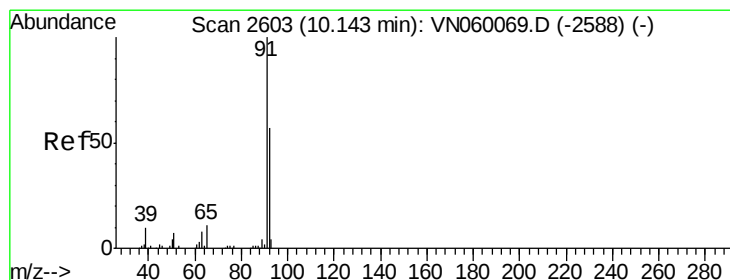
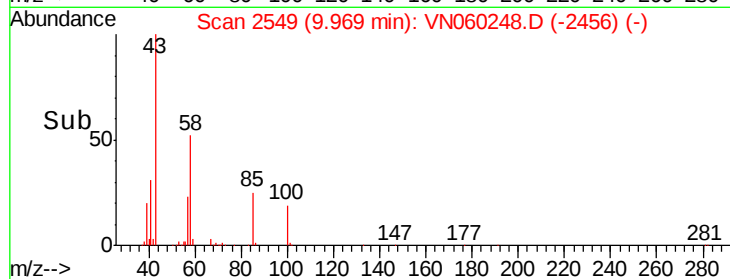
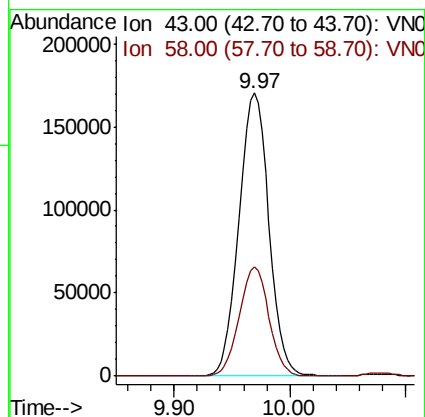
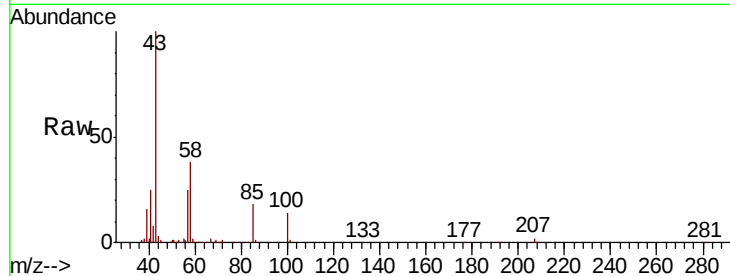
ClientSampleId :

Tot Ion: 43 Resp: 304191

Ion Ratio Lower Upper

43 100

58 38.3 31.8 47.8



#52

Toluene

Concen: 19.848 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060248.D

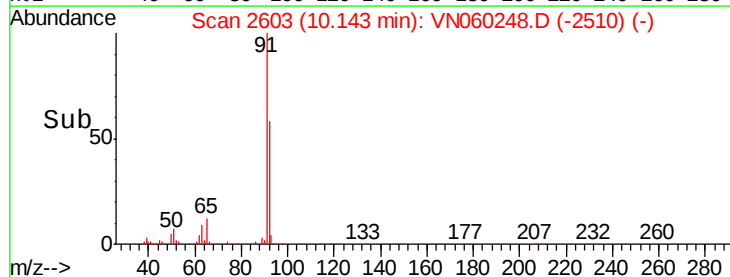
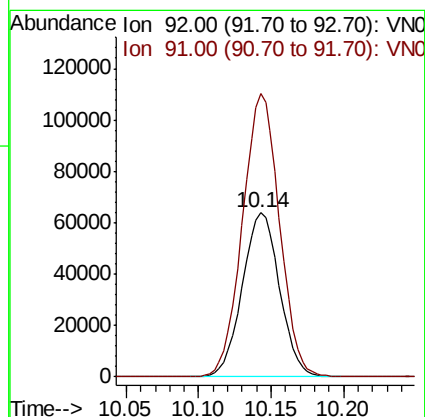
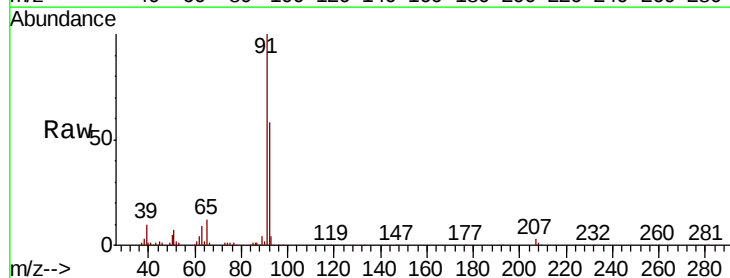
Acq: 26 Feb 2020 14:02

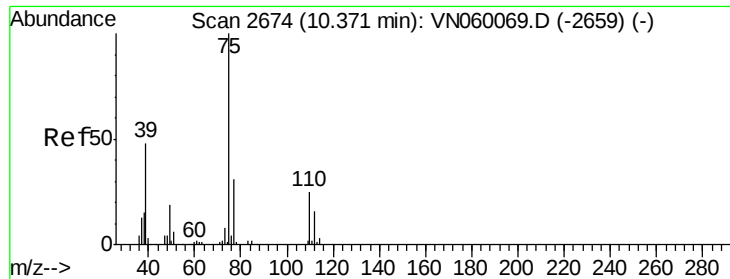
Tgt Ion: 92 Resp: 114066

Ion Ratio Lower Upper

92 100

91 171.6 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 20.875 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

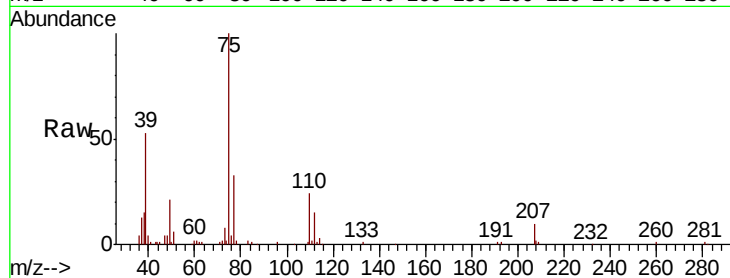
ClientSampleId :

Tot Ion: 75 Resp: 75109

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

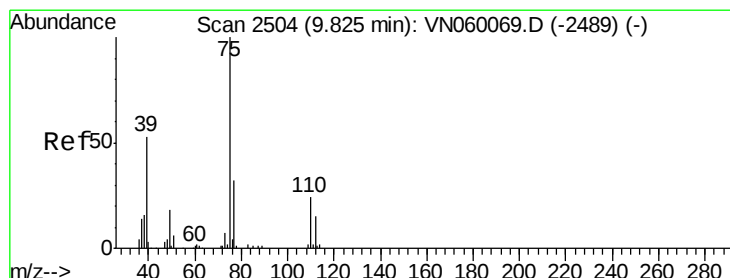
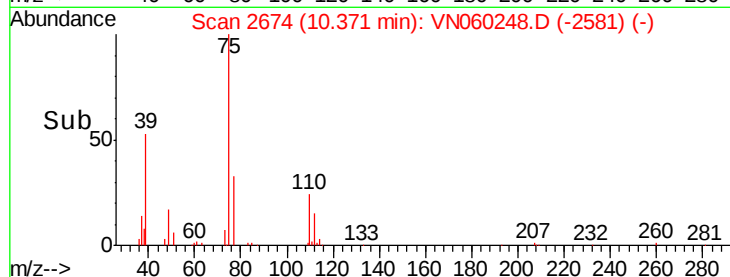


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.915 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

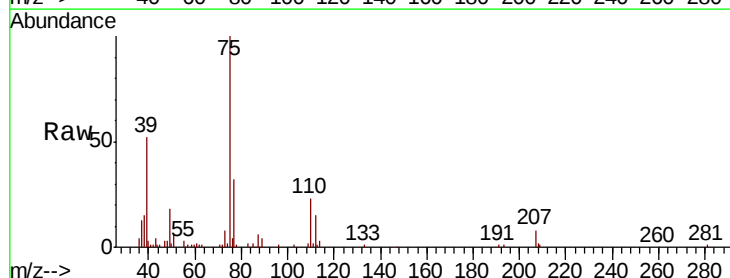
Tgt Ion: 75 Resp: 79242

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

39 52.2 42.2 63.4



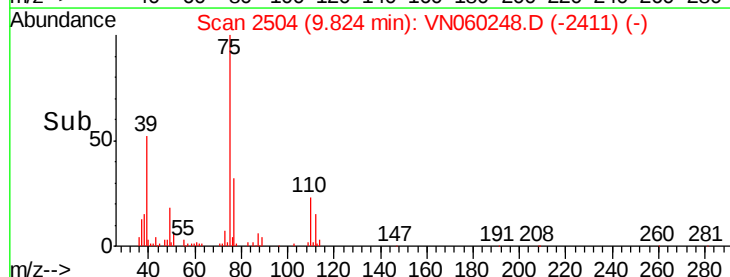
Abundance Ion 74.90 (74.60 to 75.60): VN0

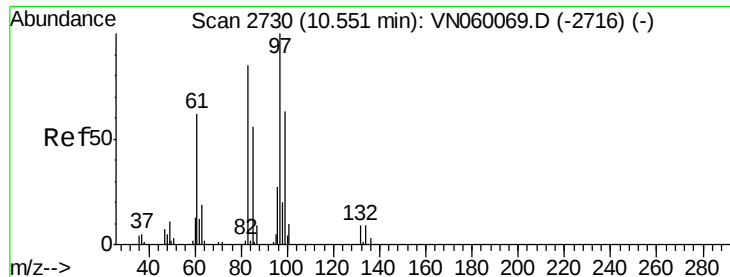
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.82

Time-->

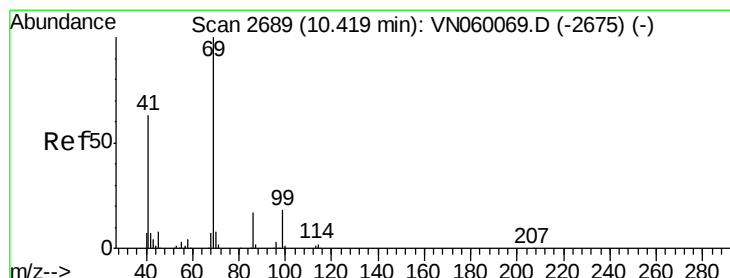
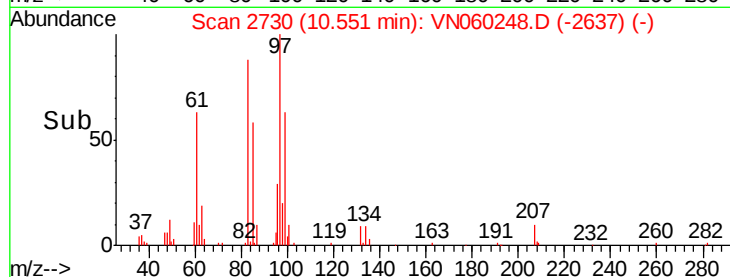
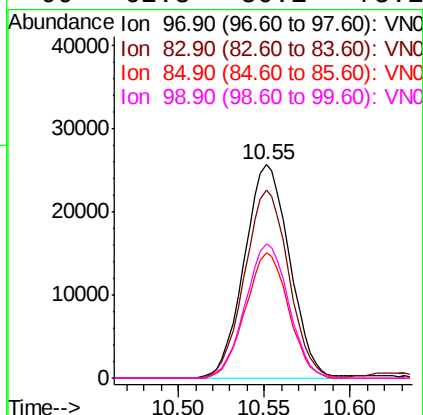
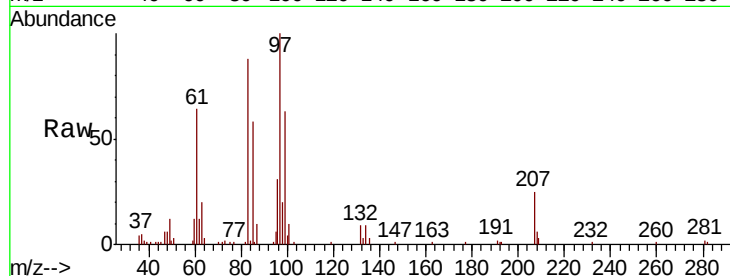




#55
 1,1,2-Trichloroethane
 Concen: 20.912 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

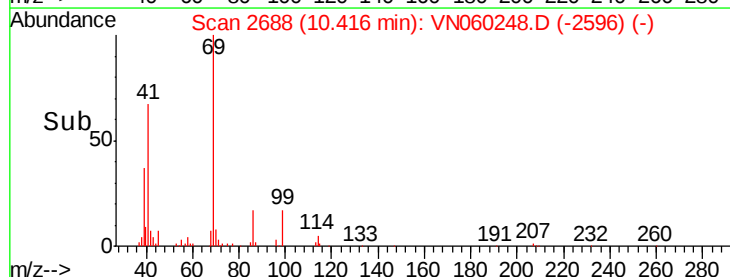
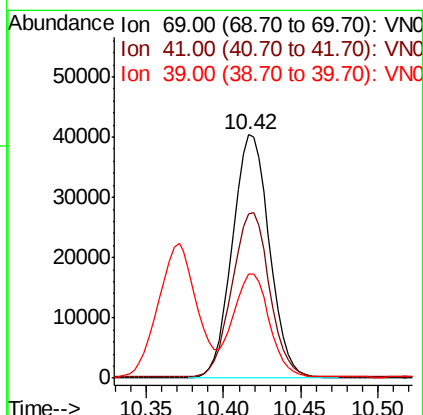
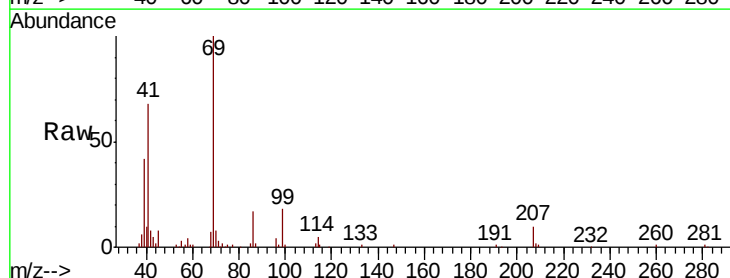
Instrument :
 MSVOA_N
 ClientSampleId :

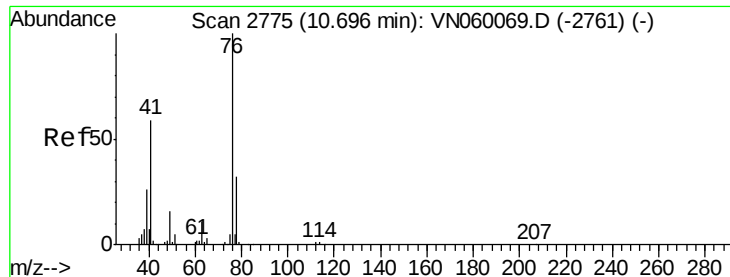
Tot Ion:	97	Resp:	46884
Ion	Ratio	Lower	Upper
97	100		
83	88.2	67.9	101.9
85	58.5	44.6	67.0
99	62.8	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 21.203 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion:	69	Resp:	67246
Ion	Ratio	Lower	Upper
69	100		
41	68.3	51.1	76.7
39	40.9	33.8	50.8





#57

1,3-Dichloropropane

Concen: 20.592 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

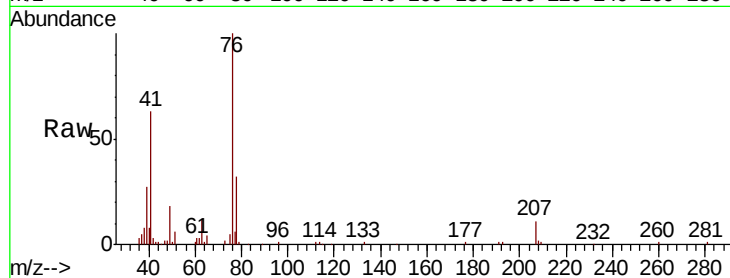
ClientSampled :

Tot Ion: 76 Resp: 76178

Ion Ratio Lower Upper

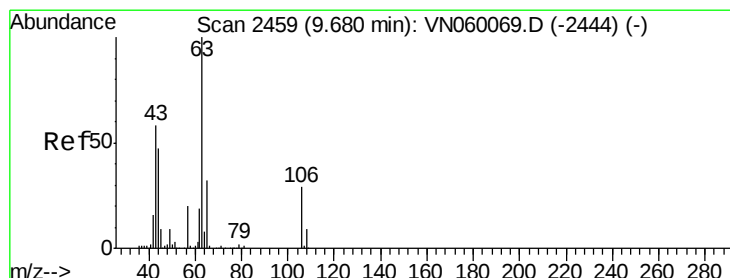
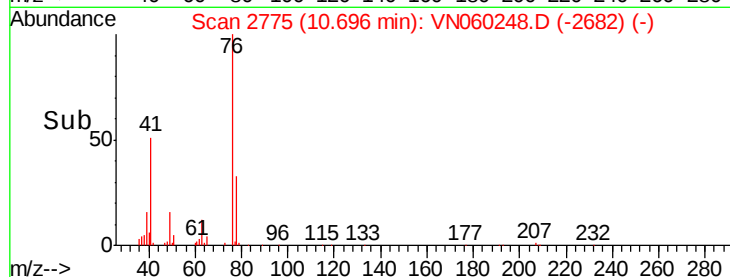
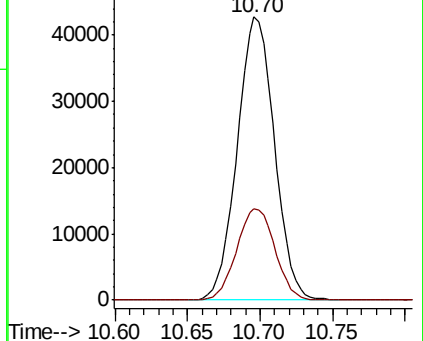
76 100

78 33.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN060248.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060248.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 113.373 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060248.D

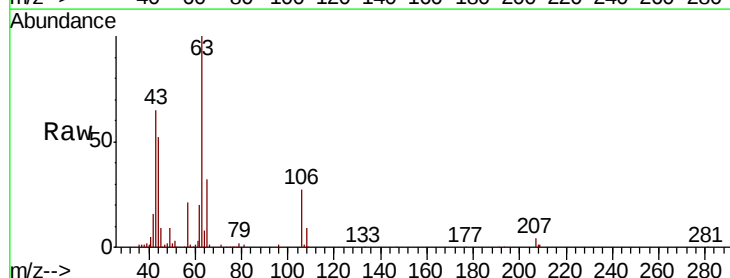
Acq: 26 Feb 2020 14:02

Tgt Ion: 63 Resp: 167513

Ion Ratio Lower Upper

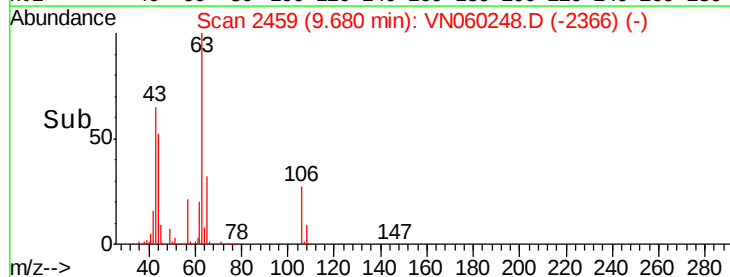
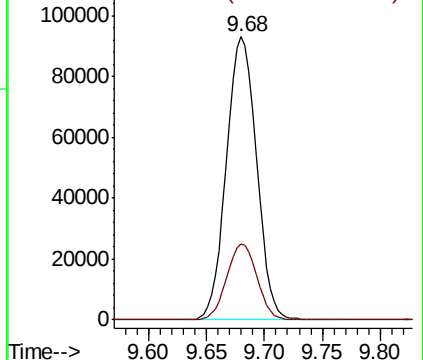
63 100

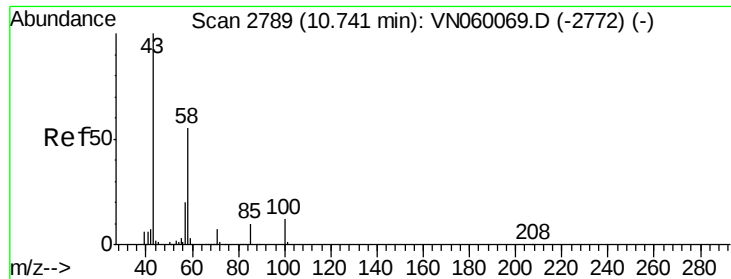
106 26.8 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060248.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060248.D (-2366) (-)

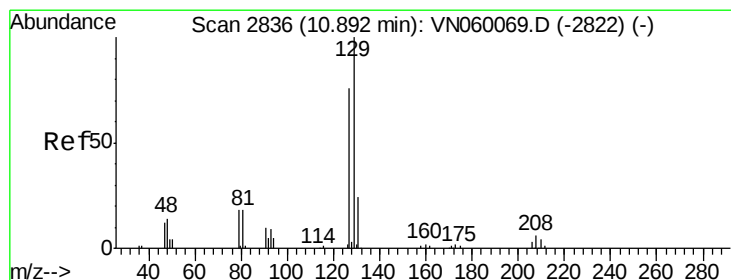
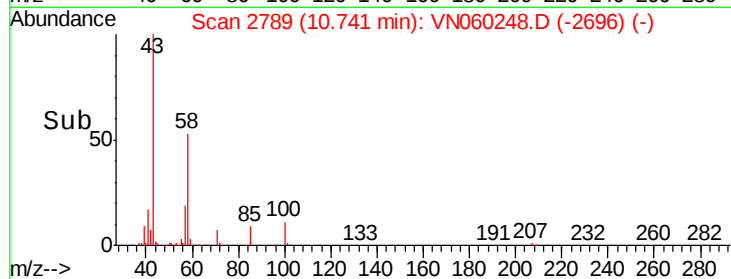
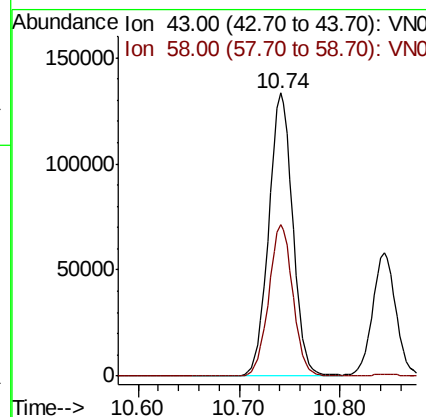
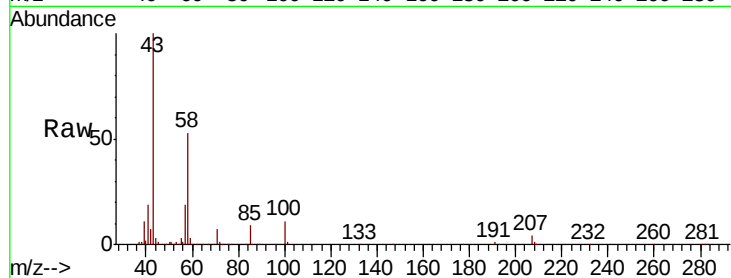




#59
2-Hexanone
Concen: 105.411 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

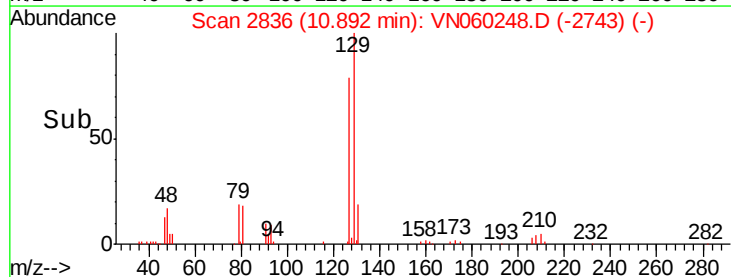
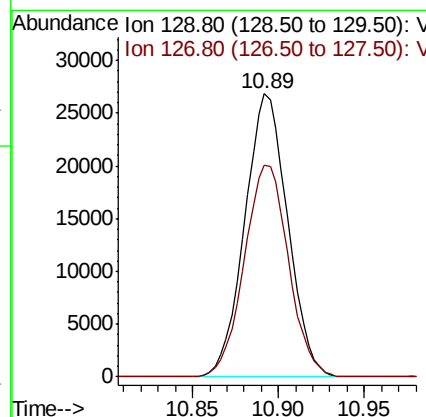
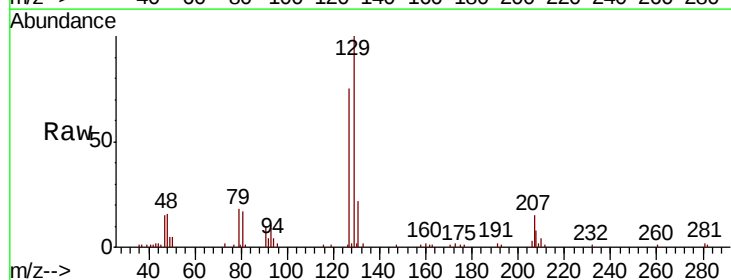
Instrument :
MSVOA_N
ClientSampleId :

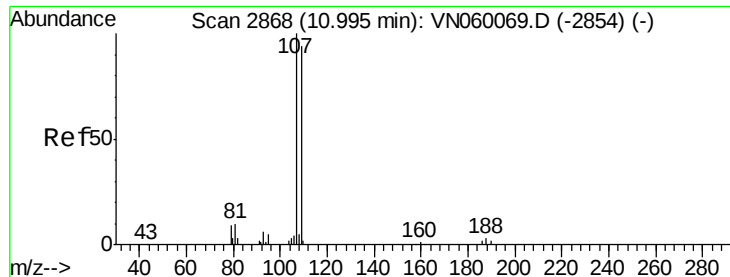
Tot Ion: 43 Resp: 219981
Ion Ratio Lower Upper
43 100
58 54.0 27.5 82.4



#60
Dibromochloromethane
Concen: 18.113 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 129 Resp: 46601
Ion Ratio Lower Upper
129 100
127 77.1 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.784 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

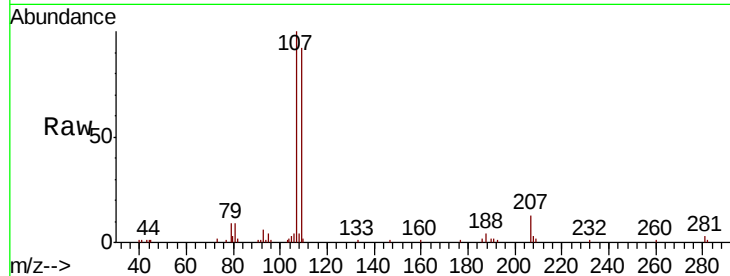
ClientSampled :

Tot Ion:107 Resp: 46497

Ion Ratio Lower Upper

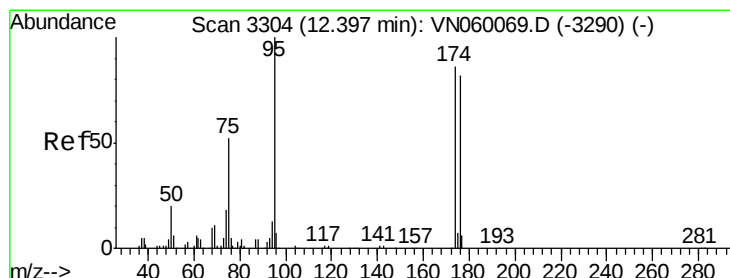
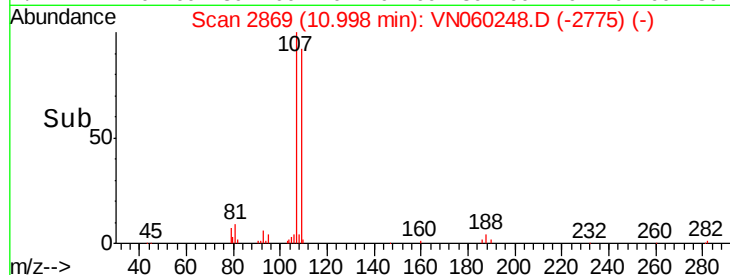
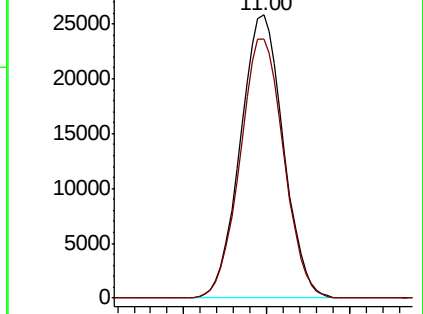
107 100

109 92.9 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: 51.013 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

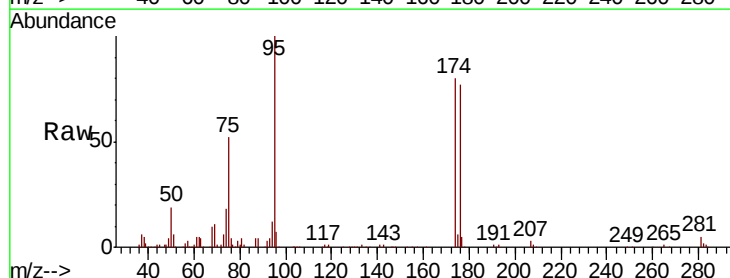
Tgt Ion: 95 Resp: 148000

Ion Ratio Lower Upper

95 100

174 81.5 0.0 169.8

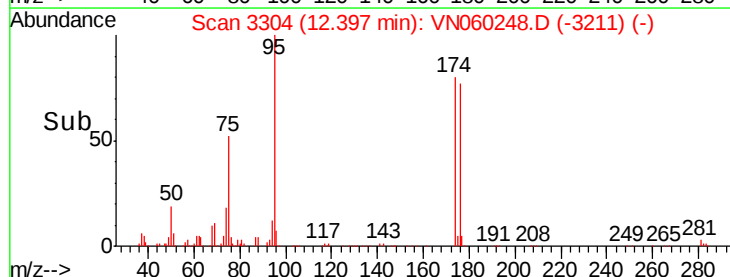
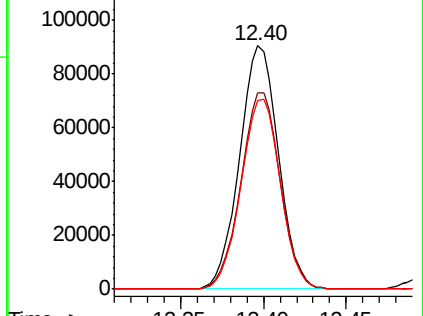
176 78.9 0.0 164.8

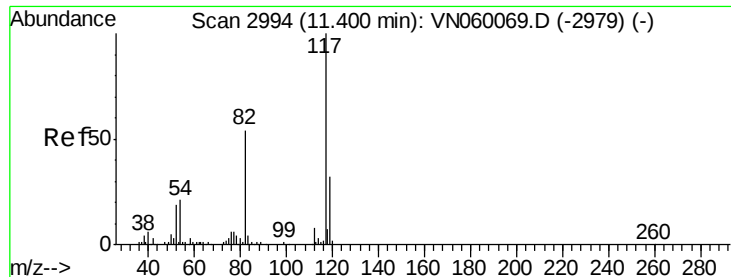


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

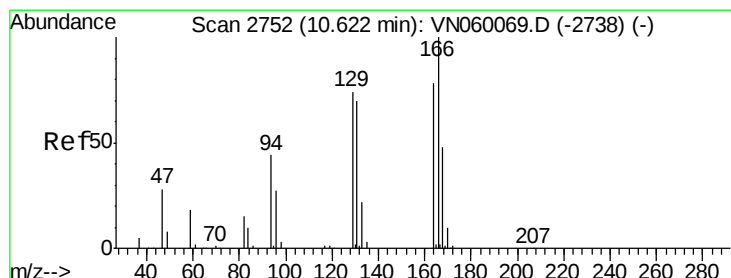
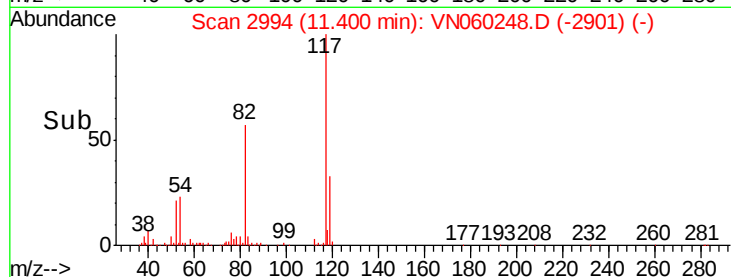
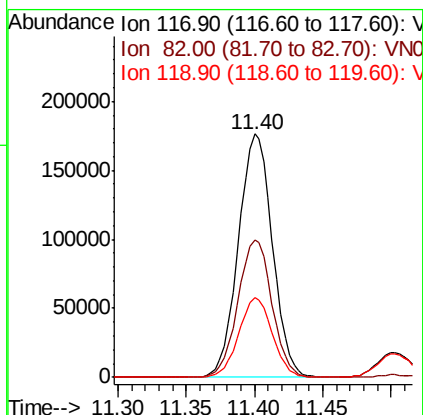
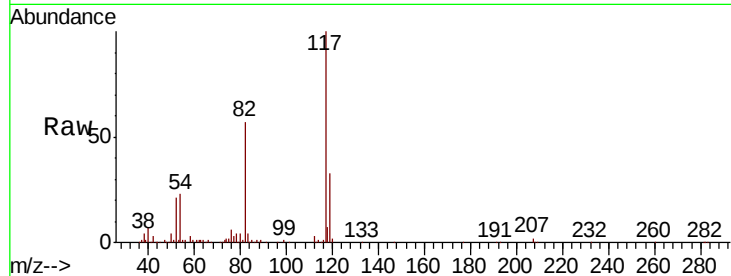




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

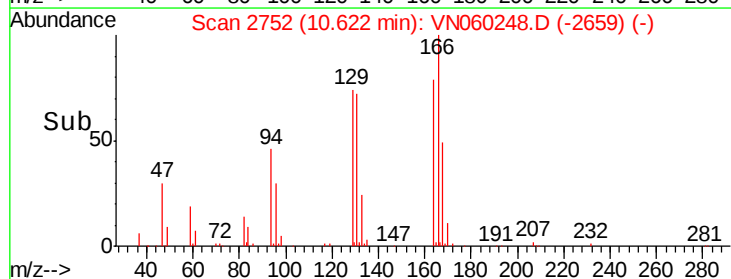
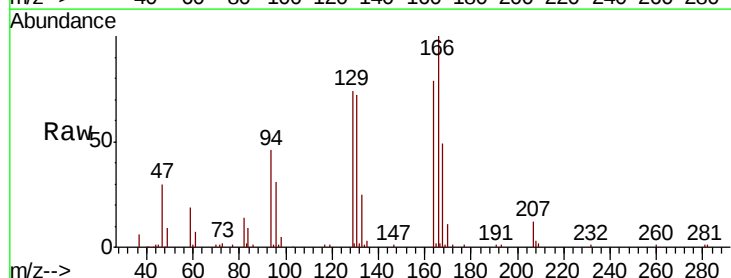
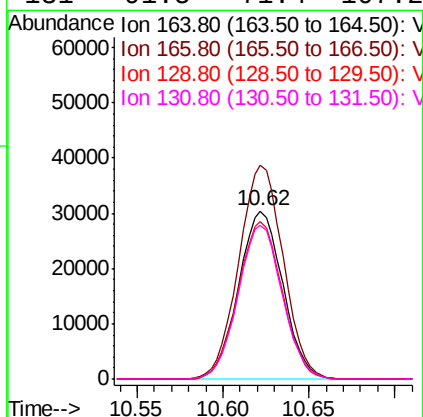
Instrument :
MSVOA_N
ClientSampled :

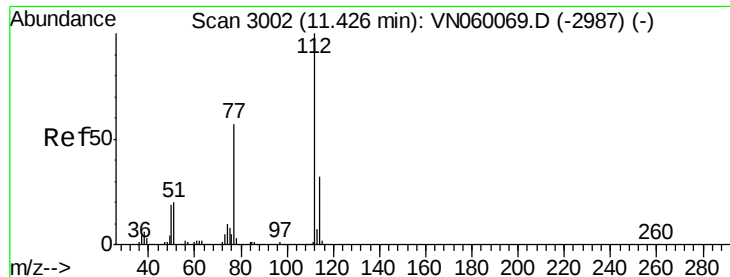
Tot Ion:117 Resp: 305252
Ion Ratio Lower Upper
117 100
82 56.6 43.4 65.0
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 23.358 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion:164 Resp: 54203
Ion Ratio Lower Upper
164 100
166 126.9 101.9 152.9
129 93.9 75.4 113.0
131 91.5 71.4 107.2

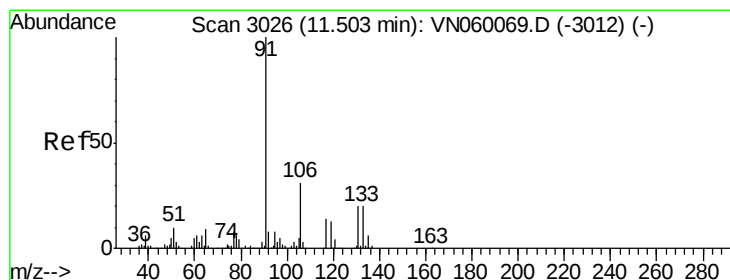
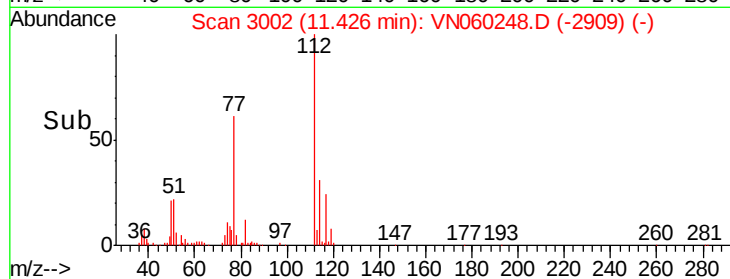
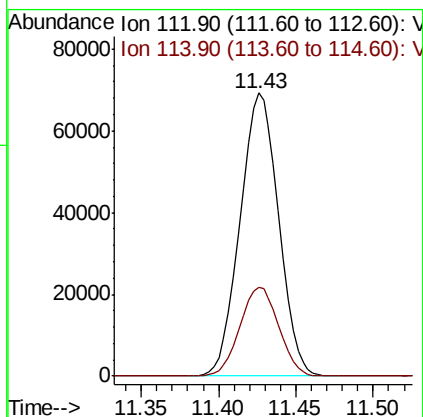
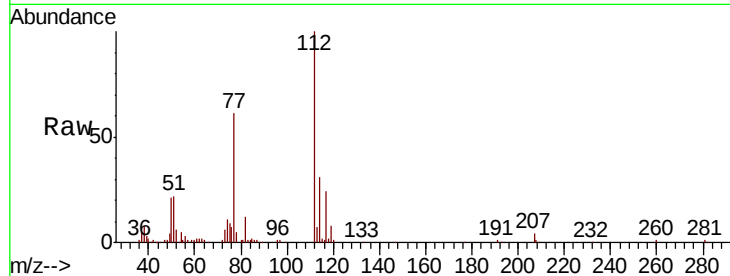




#65
Chlorobenzene
Concen: 19.293 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

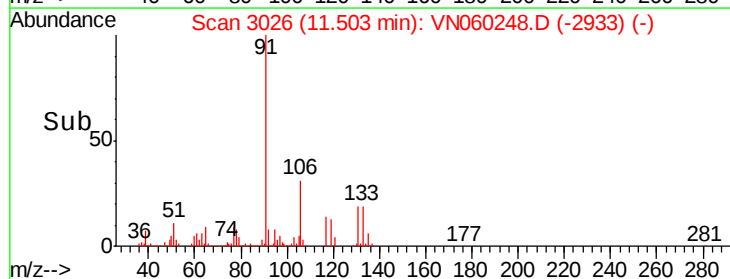
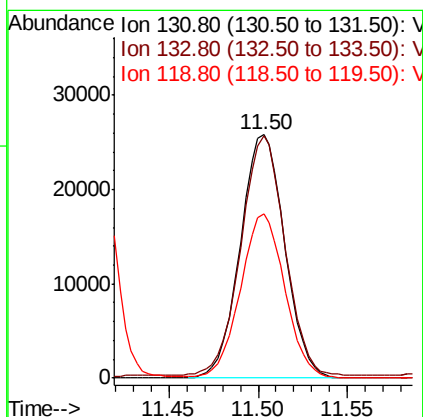
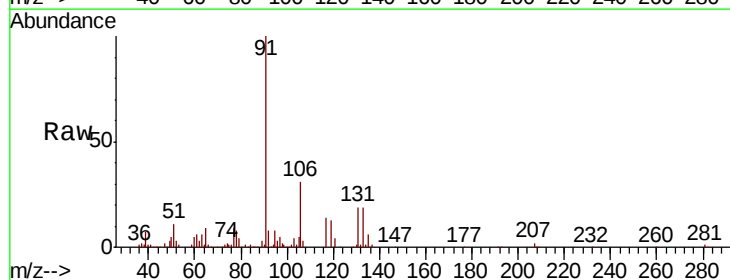
Instrument :
MSVOA_N
ClientSampled :

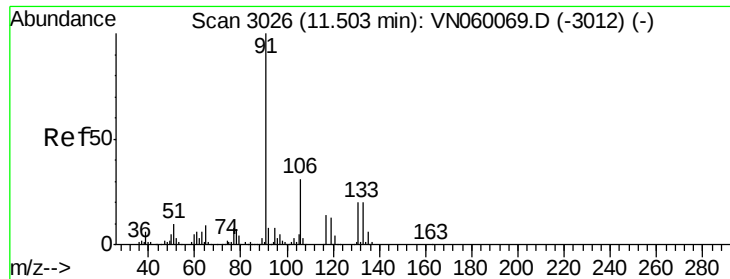
Tot Ion:112 Resp: 119986
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.105 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion:131 Resp: 44947
Ion Ratio Lower Upper
131 100
133 97.2 47.9 143.7
119 67.3 32.6 97.7

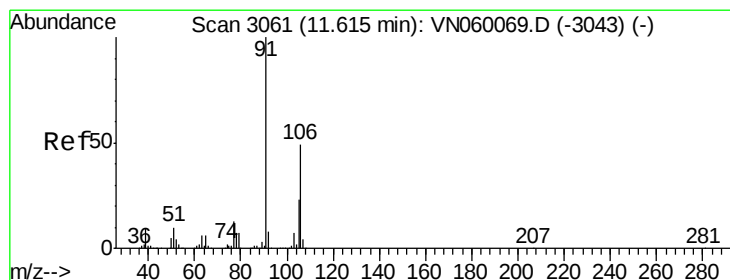
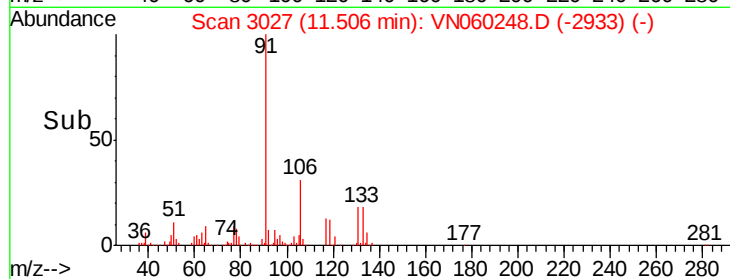
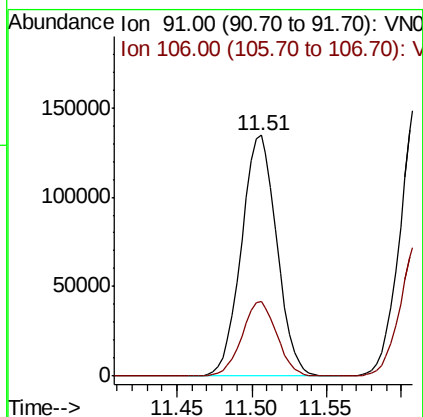
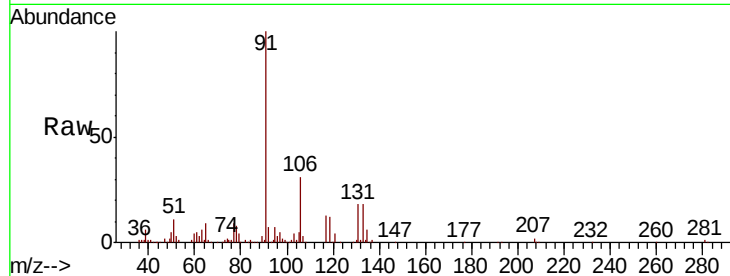




#67
Ethyl Benzene
Concen: 19.715 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

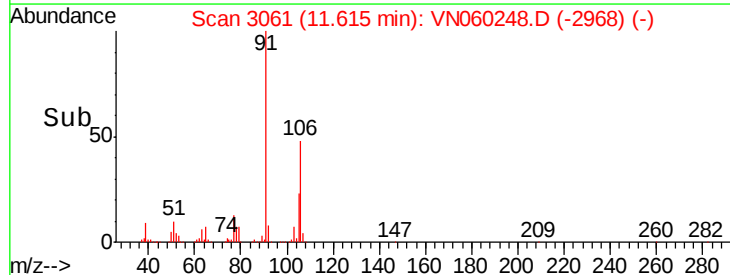
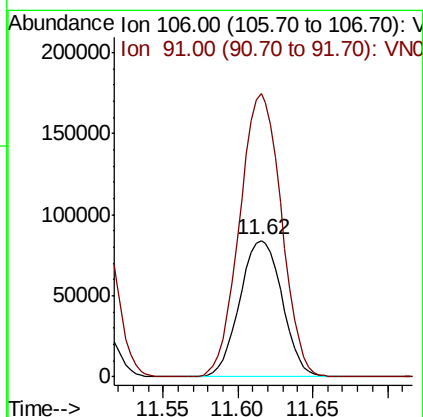
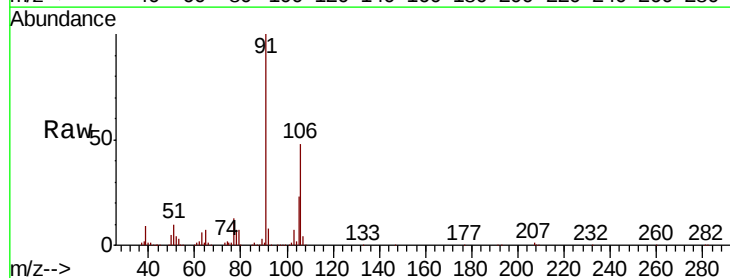
Instrument :
MSVOA_N
ClientSampled :

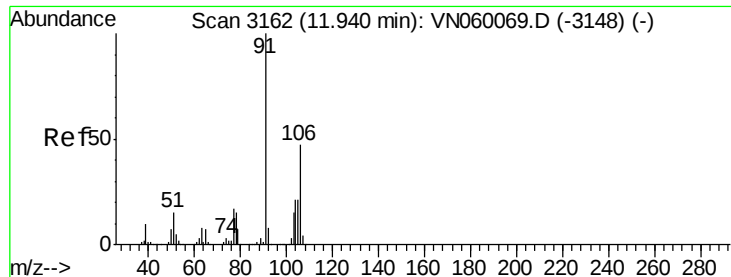
Tot Ion: 91 Resp: 221134
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7



#68
m/p-Xylenes
Concen: 39.449 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 106 Resp: 166071
Ion Ratio Lower Upper
106 100
91 205.0 162.7 244.1

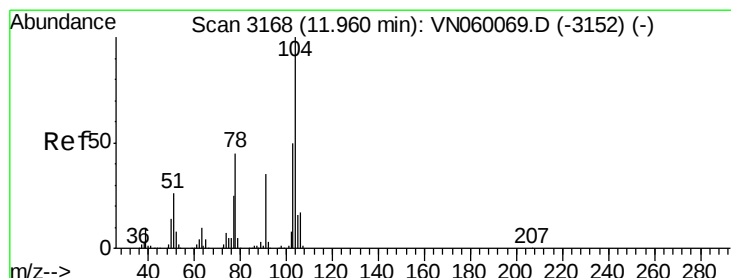
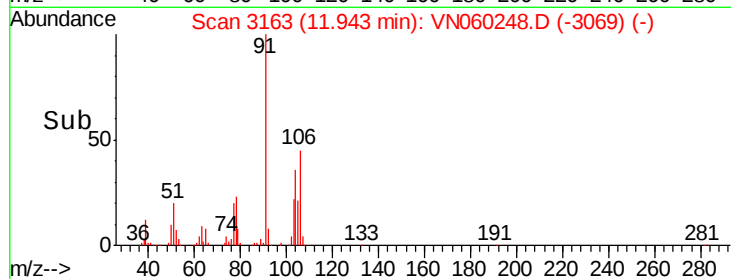
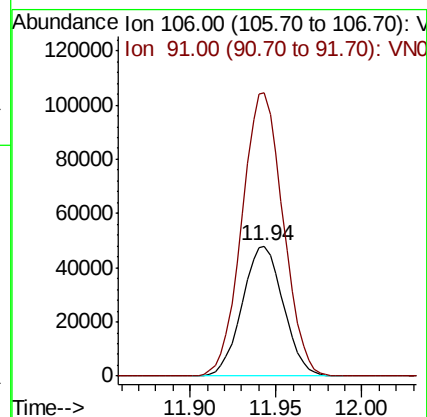
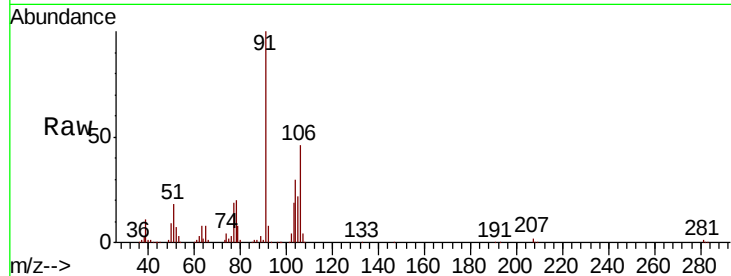




#69
o-Xylene
Concen: 19.665 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

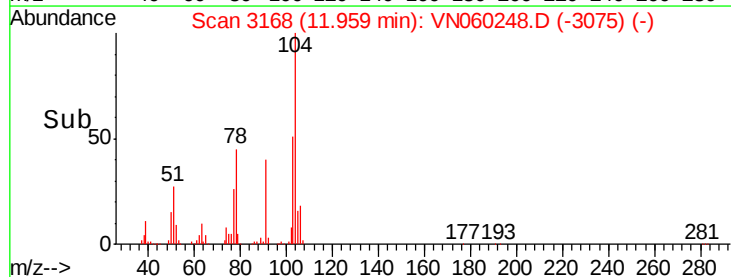
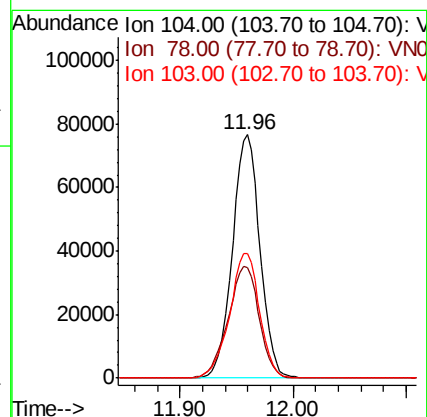
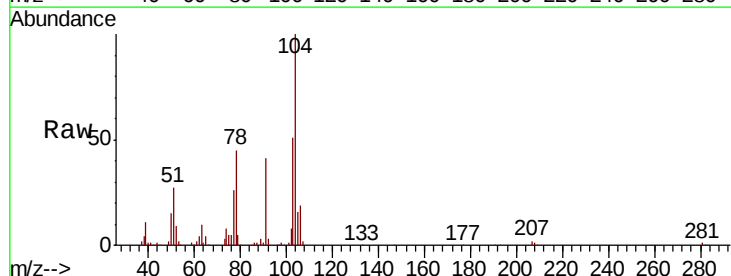
Instrument :
MSVOA_N
ClientSampled :

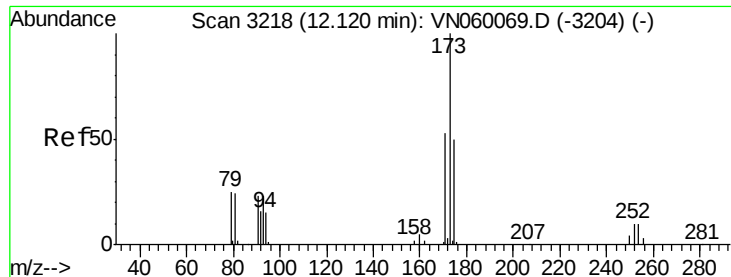
Tot Ion:106 Resp: 79710
Ion Ratio Lower Upper
106 100
91 218.6 107.2 321.6



#70
Styrene
Concen: 19.866 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion:104 Resp: 129852
Ion Ratio Lower Upper
104 100
78 51.7 40.2 60.2
103 55.8 44.3 66.5

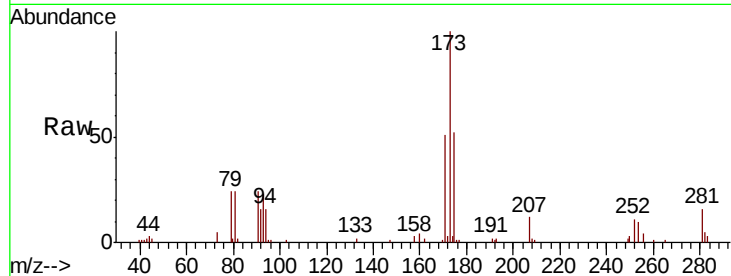




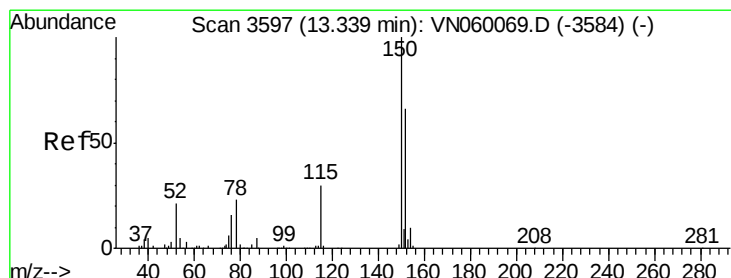
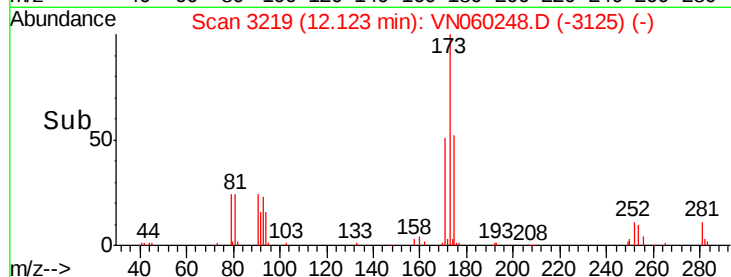
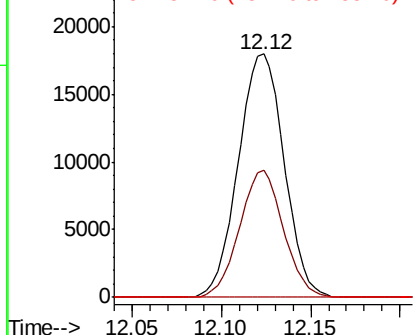
#71
Bromoform
Concen: 17.002 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 32173
Ion Ratio Lower Upper
173 100
175 50.0 24.9 74.6
254 0.0 0.0 0.0

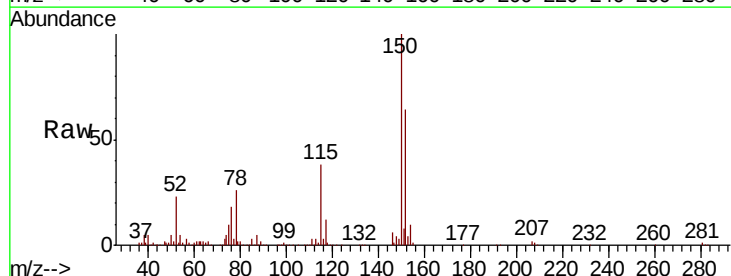


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

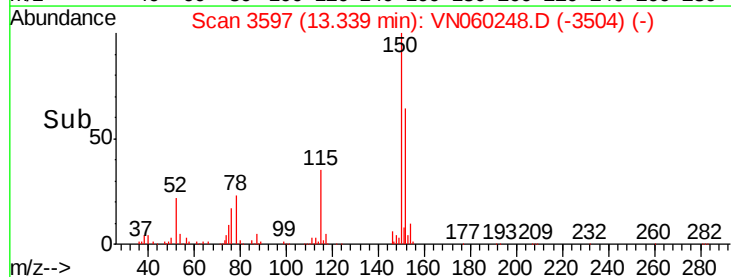
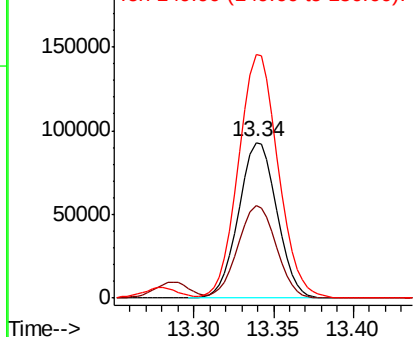


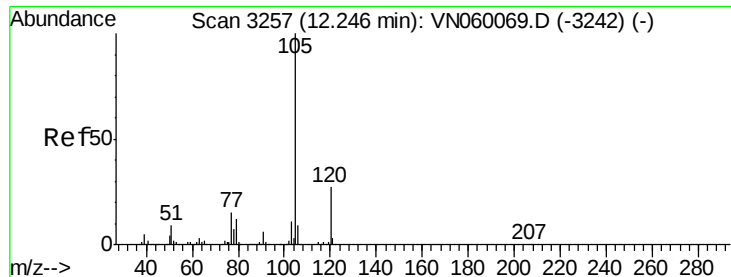
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion:152 Resp: 151283
Ion Ratio Lower Upper
152 100
115 59.7 28.9 86.8
150 162.6 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: 19.011 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

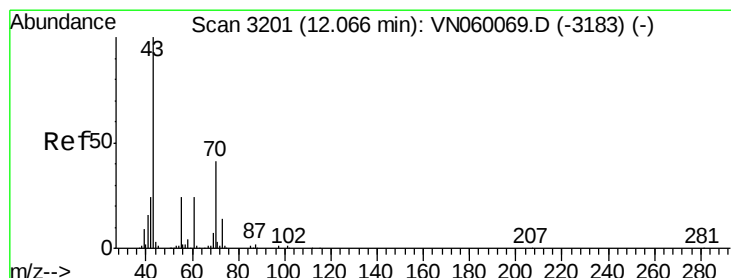
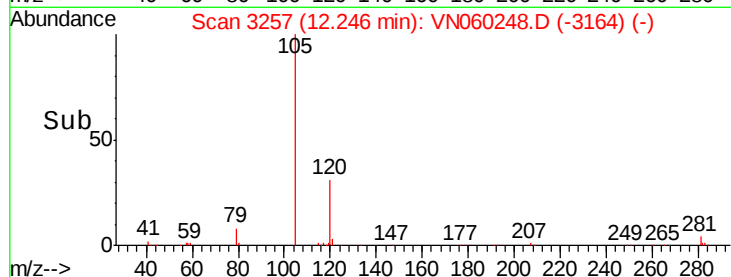
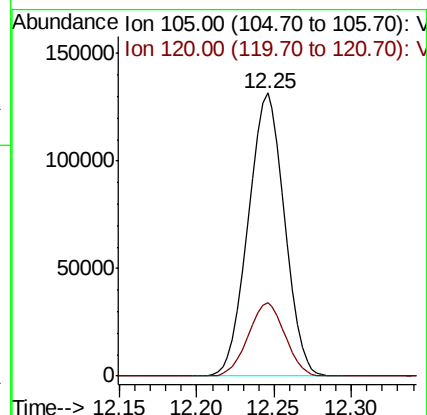
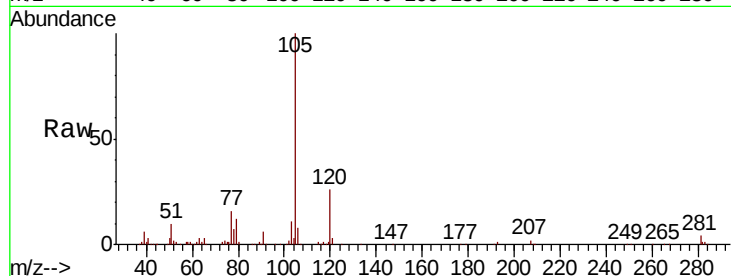
ClientSampled :

Tot Ion: 105 Resp: 214765

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



#74

N-ethyl acetate

Concen: 23.205 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion: 43 Resp: 94530

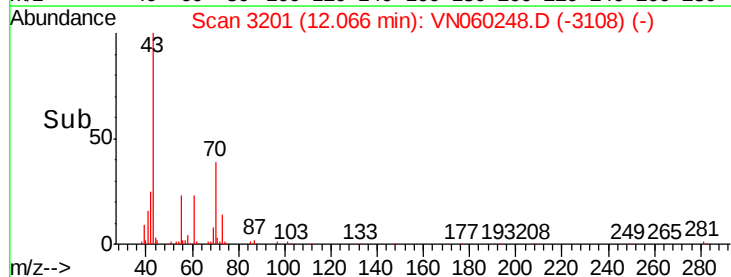
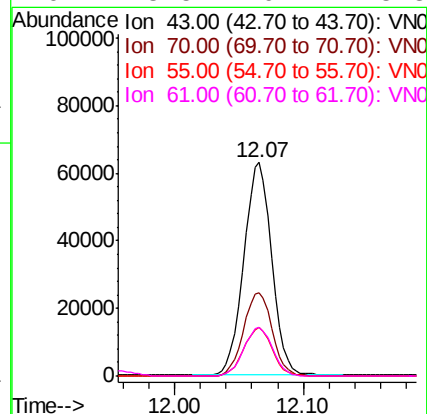
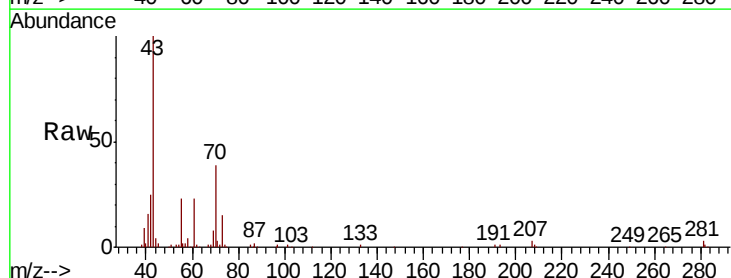
Ion Ratio Lower Upper

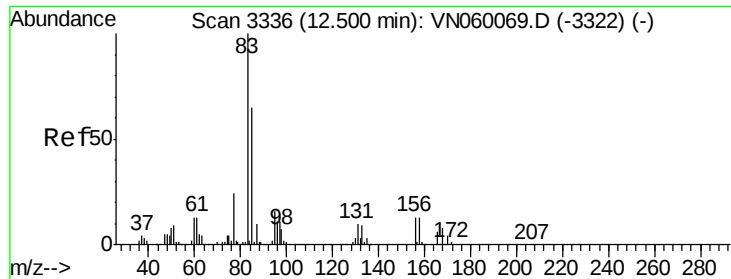
43 100

70 40.2 33.4 50.0

55 23.3 18.8 28.2

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.404 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

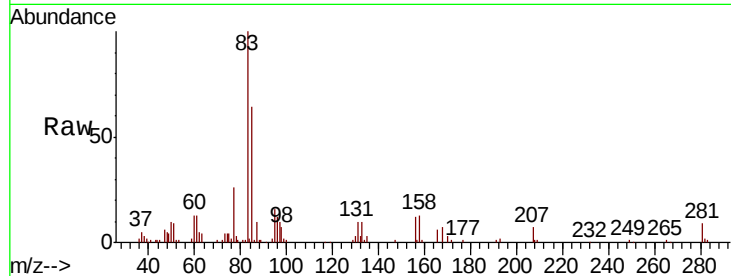
Tot Ion: 83 Resp: 59844

Ion Ratio Lower Upper

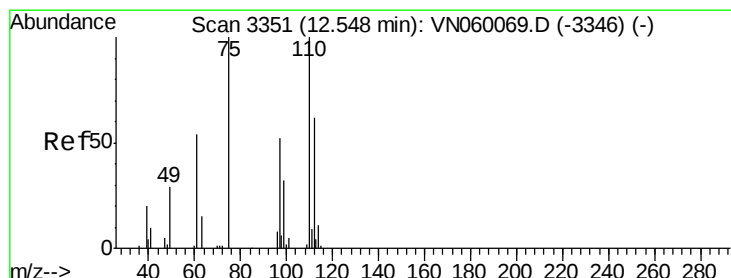
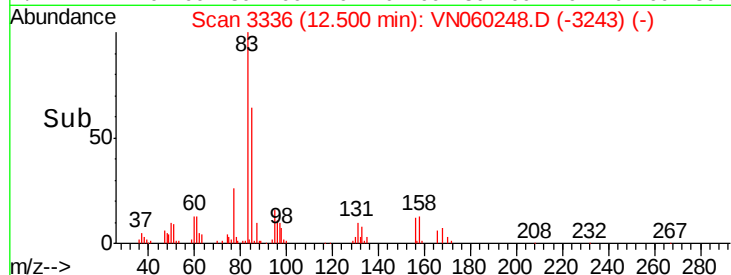
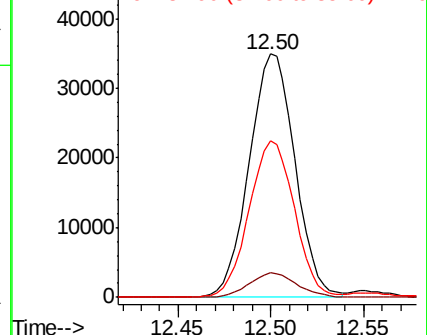
83 100

131 10.3 5.2 15.6

85 63.6 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: 30.680 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060248.D

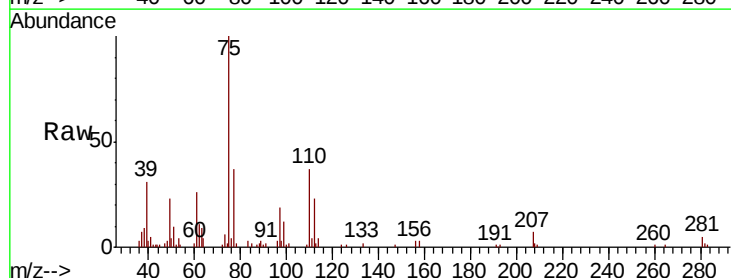
Acq: 26 Feb 2020 14:02

Tgt Ion: 75 Resp: 88800

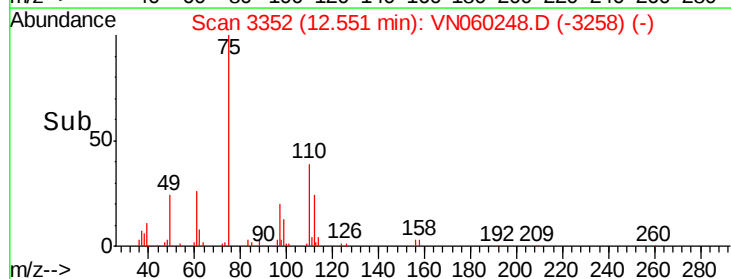
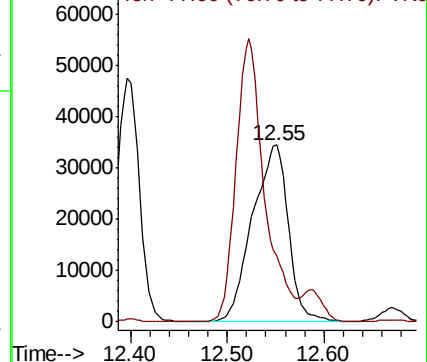
Ion Ratio Lower Upper

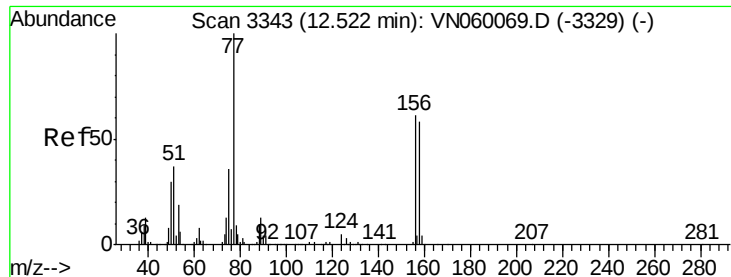
75 100

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: 18.472 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

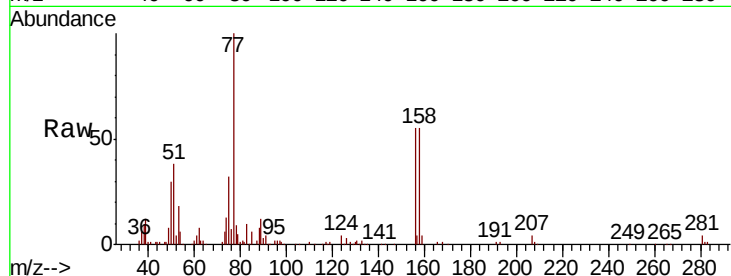
Tot Ion:156 Resp: 51787

Ion Ratio Lower Upper

156 100

77 219.5 98.7 296.1

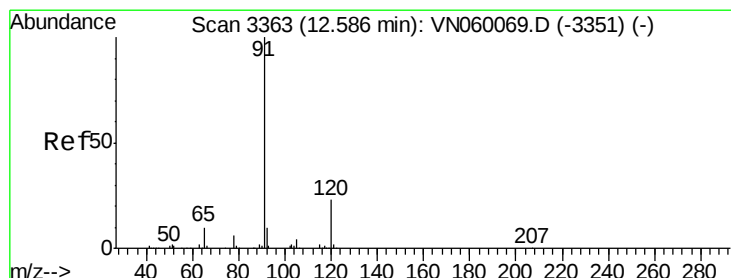
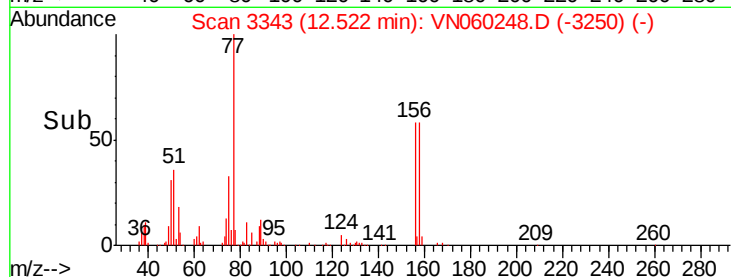
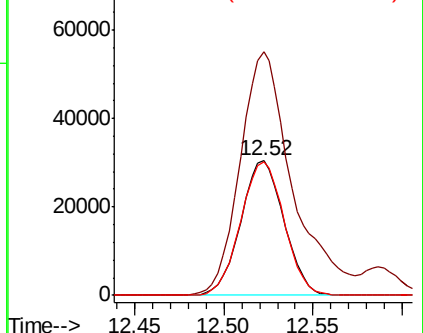
158 99.9 48.1 144.4



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: 19.608 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060248.D

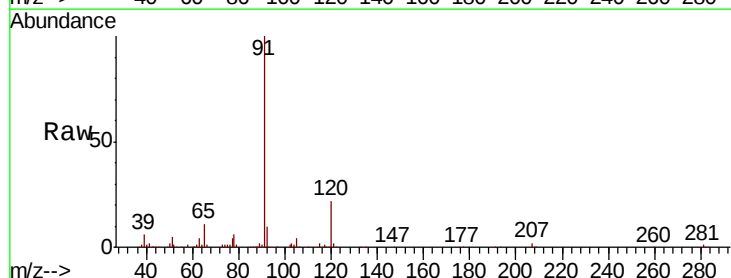
Acq: 26 Feb 2020 14:02

Tgt Ion: 91 Resp: 252378

Ion Ratio Lower Upper

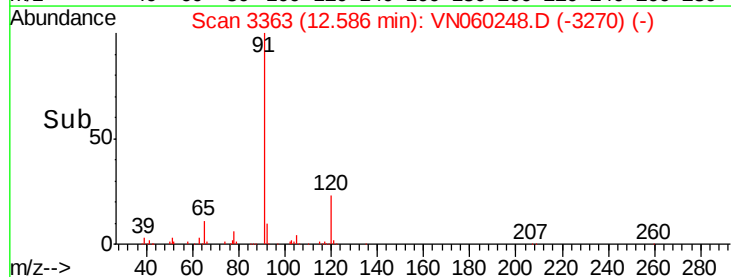
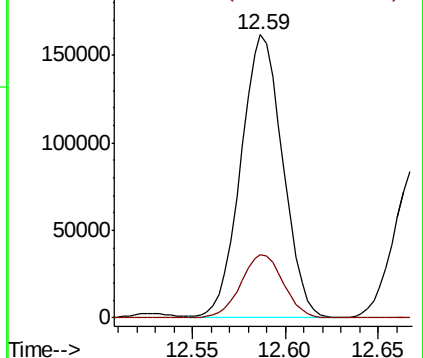
91 100

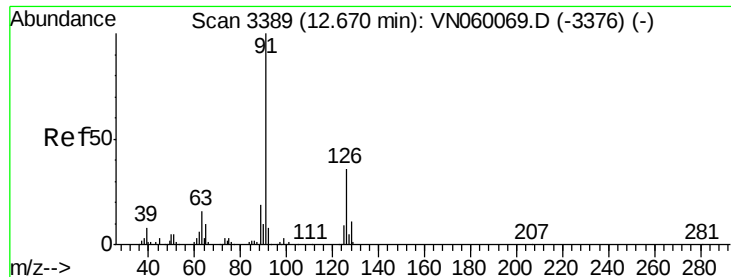
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.339 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

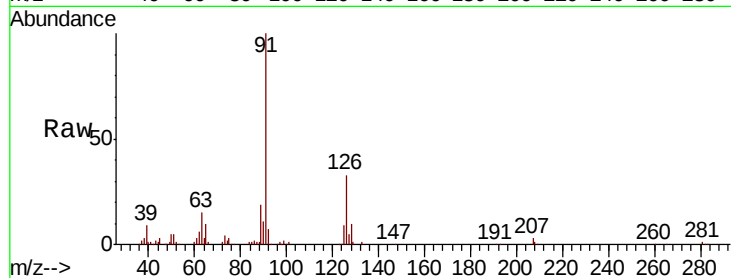
ClientSampled :

Tot Ion: 91 Resp: 146306

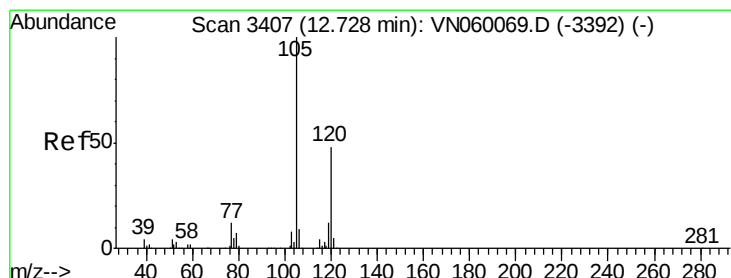
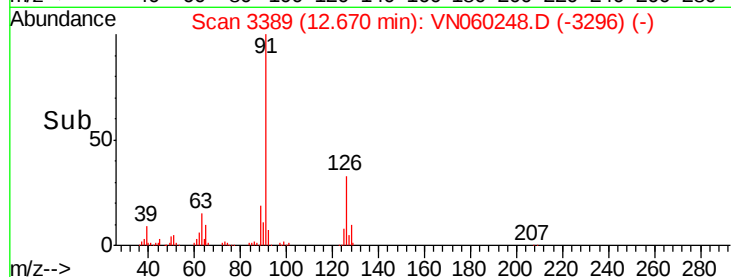
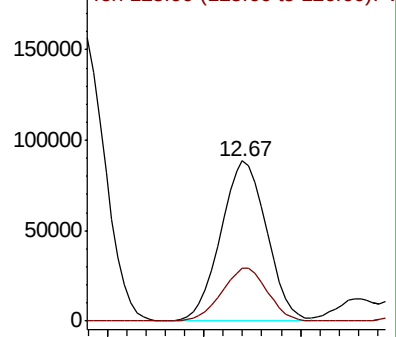
Ion Ratio Lower Upper

91 100

126 33.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.573 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060248.D

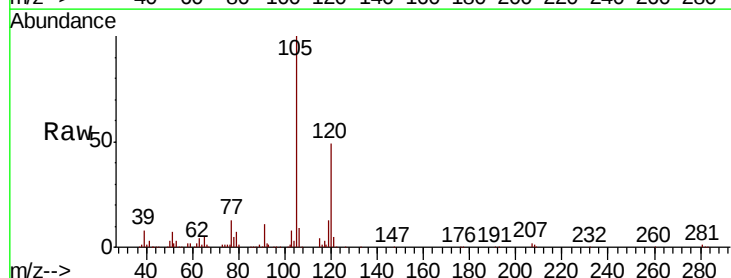
Acq: 26 Feb 2020 14:02

Tgt Ion:105 Resp: 183846

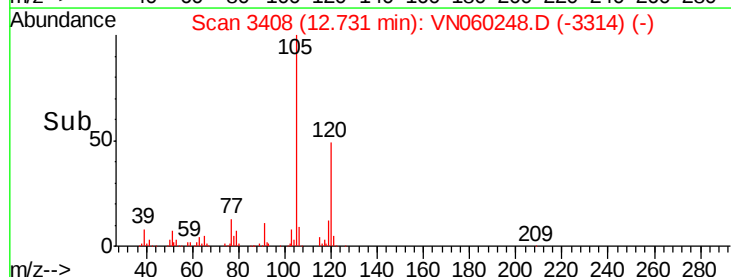
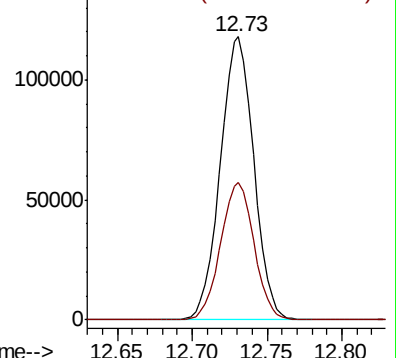
Ion Ratio Lower Upper

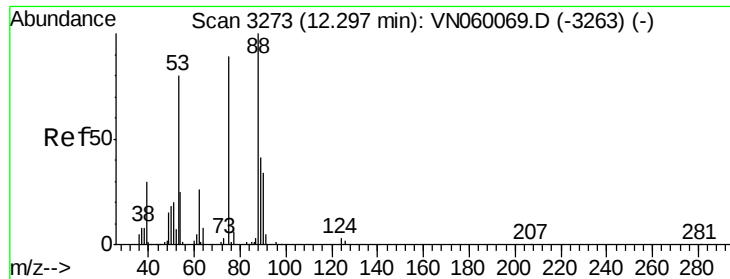
105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.051 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

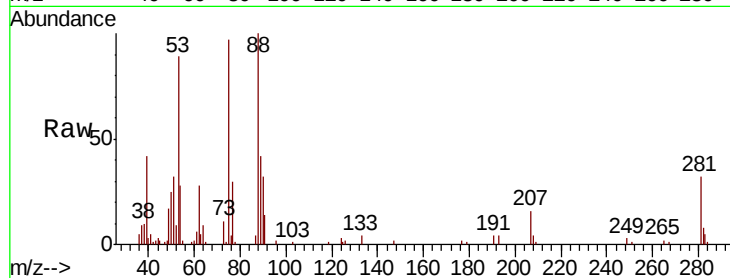
Tot Ion: 75 Resp: 23702

Ion Ratio Lower Upper

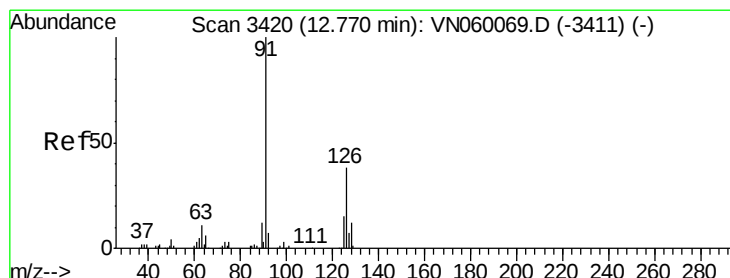
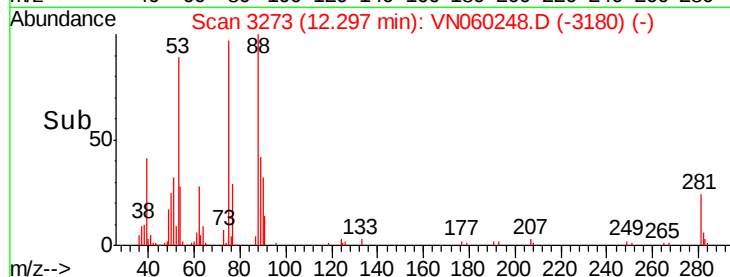
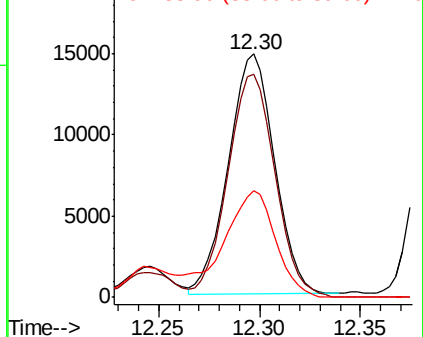
75 100

53 95.6 73.9 110.9

89 47.8 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.927 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060248.D

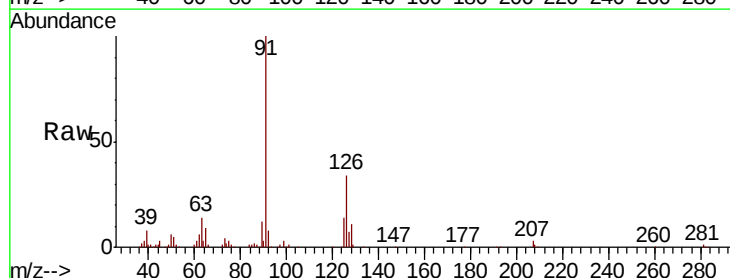
Acq: 26 Feb 2020 14:02

Tgt Ion: 91 Resp: 154667

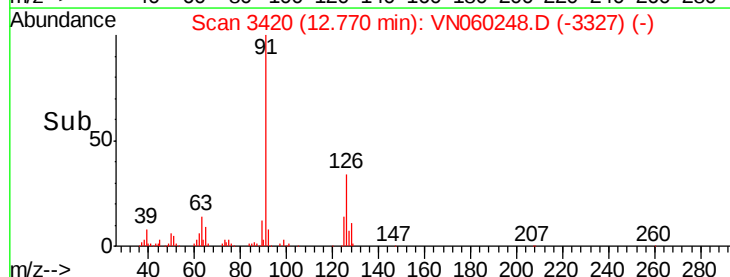
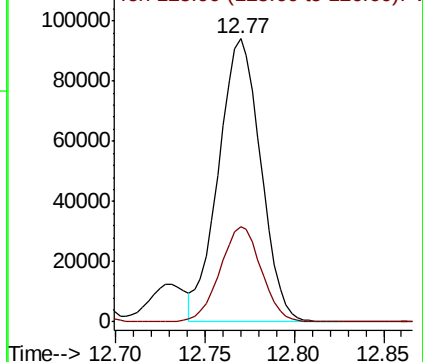
Ion Ratio Lower Upper

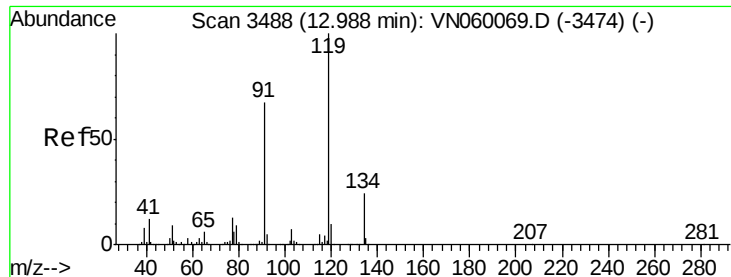
91 100

126 32.9 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.649 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

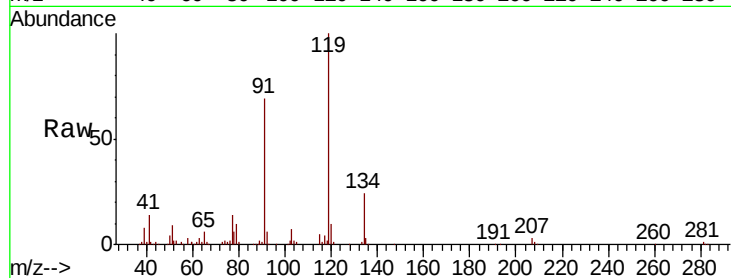
Tot Ion:119 Resp: 154961

Ion Ratio Lower Upper

119 100

91 67.5 32.7 98.1

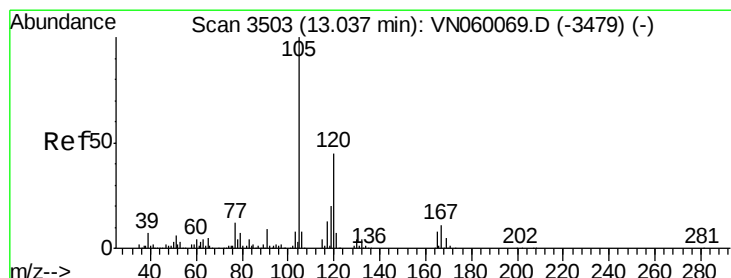
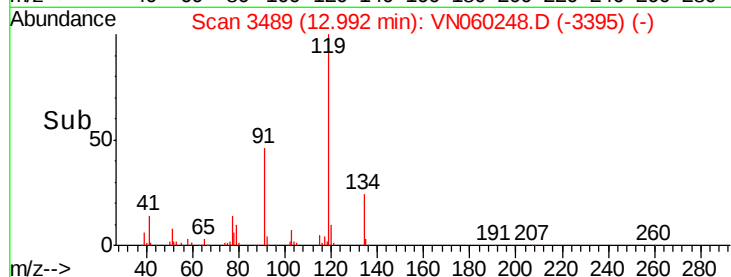
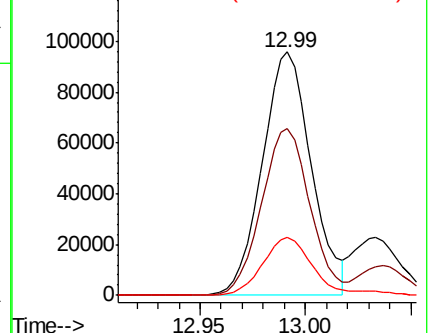
134 24.9 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.711 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060248.D

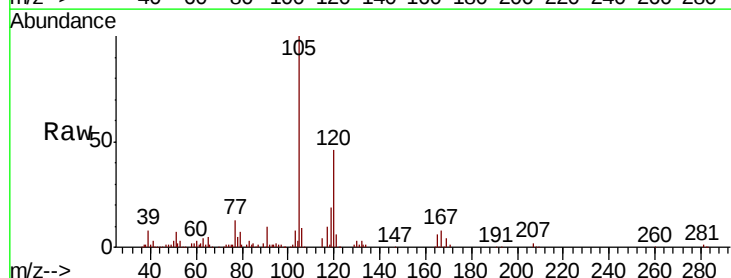
Acq: 26 Feb 2020 14:02

Tgt Ion:105 Resp: 182765

Ion Ratio Lower Upper

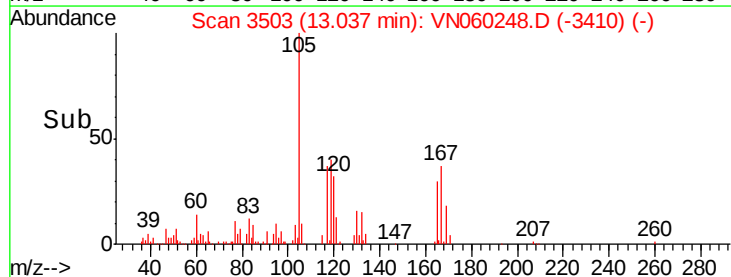
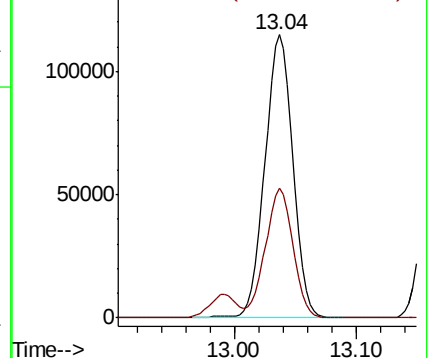
105 100

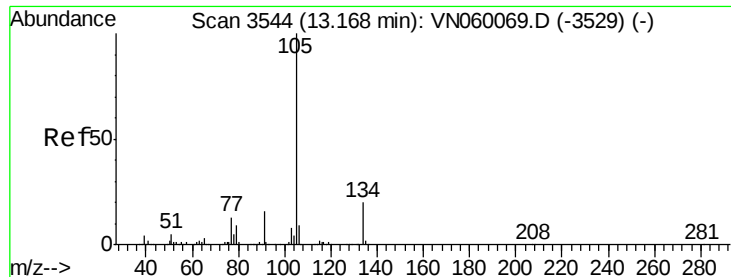
120 45.3 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.106 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

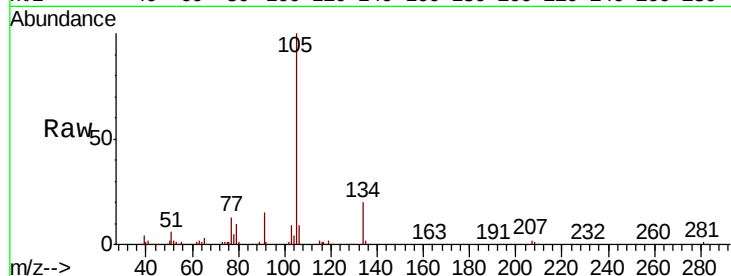
ClientSampled :

Tot Ion:105 Resp: 210248

Ion Ratio Lower Upper

105 100

134 19.9 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

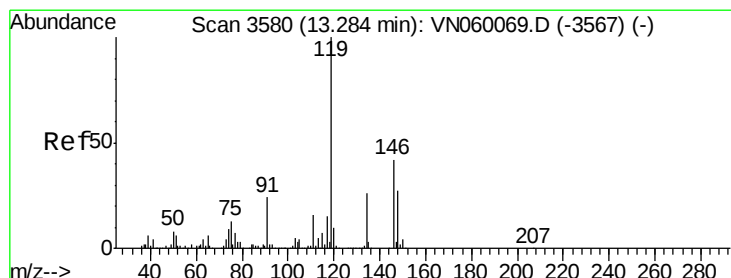
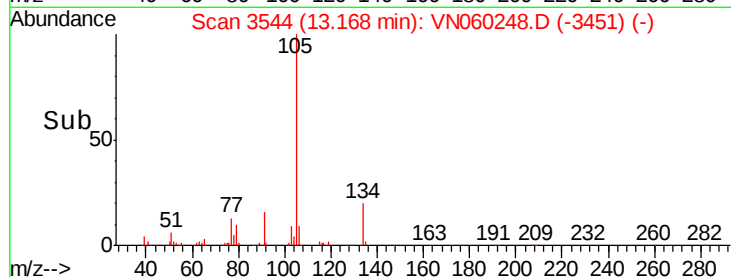
150000

100000

50000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 19.354 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

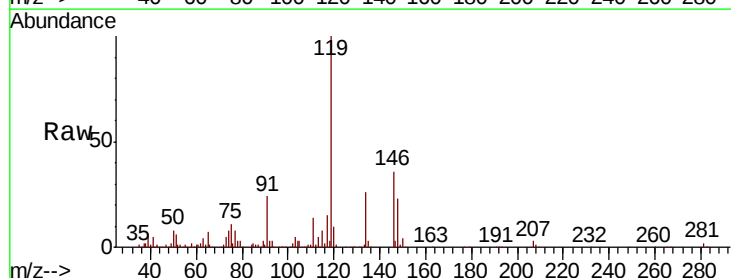
Tgt Ion:119 Resp: 192960

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

91 24.1 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

13.29

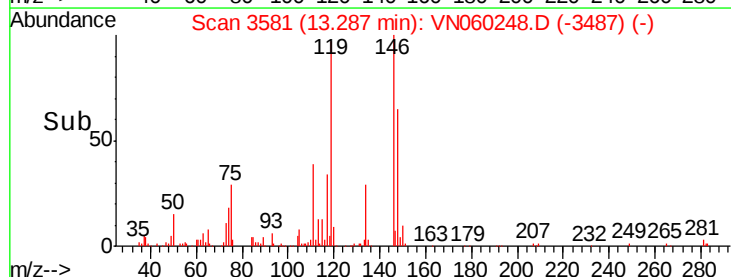
150000

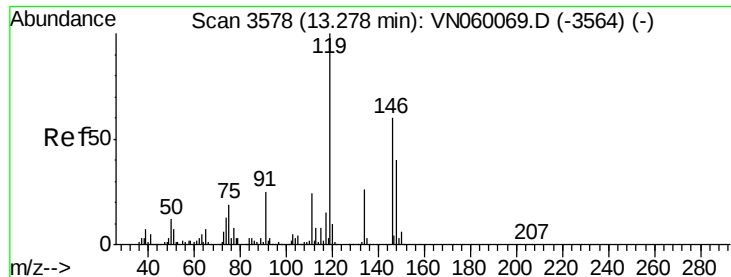
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.468 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

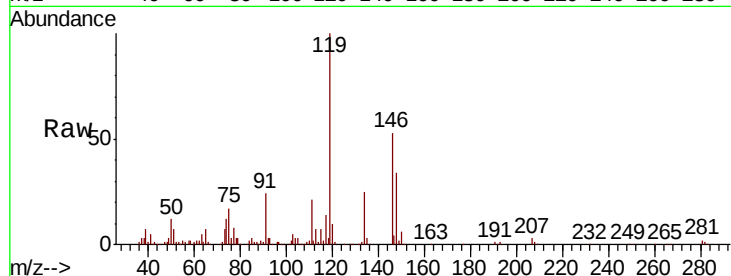
Tot Ion:146 Resp: 96614

Ion Ratio Lower Upper

146 100

111 40.1 19.8 59.3

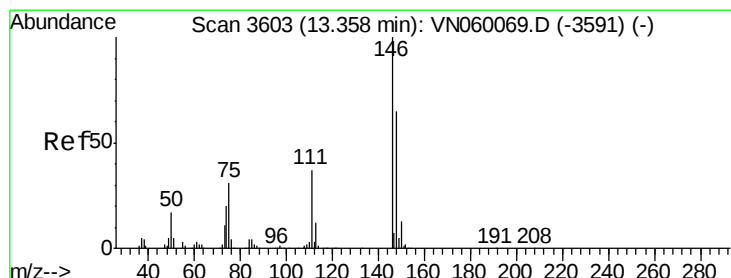
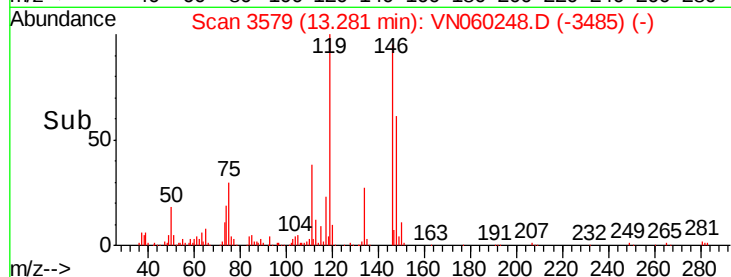
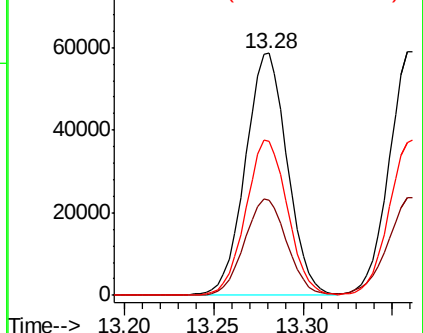
148 63.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.456 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

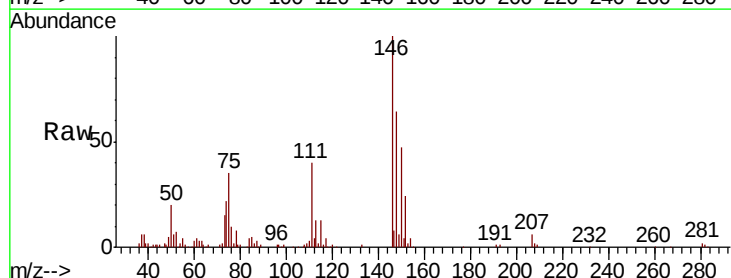
Tgt Ion:146 Resp: 96533

Ion Ratio Lower Upper

146 100

111 40.6 18.9 56.5

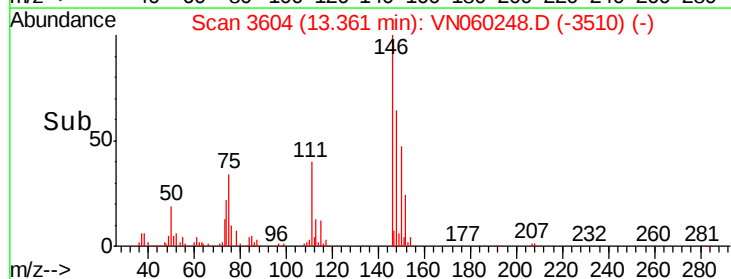
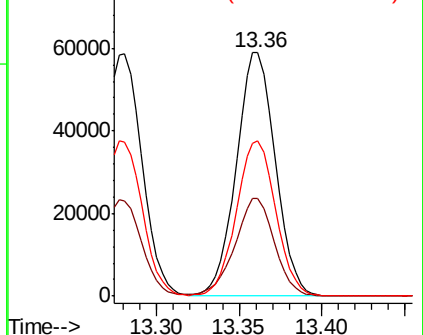
148 64.3 32.0 96.0

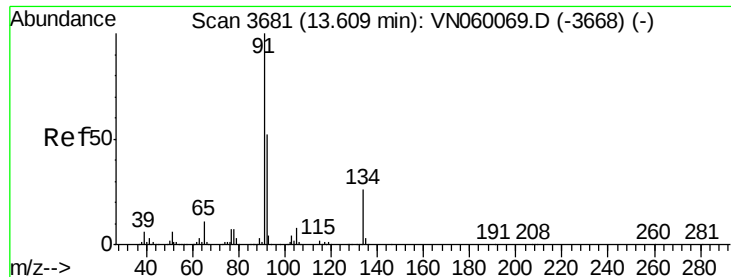


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.167 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

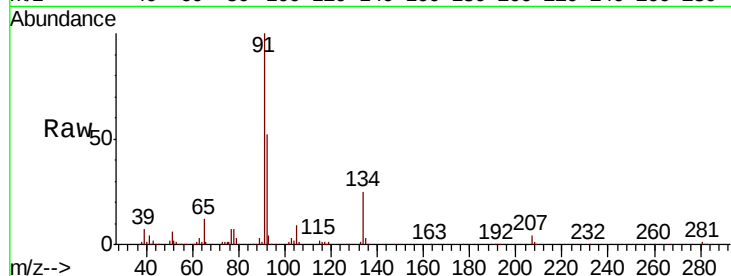
Tot Ion: 91 Resp: 176851

Ion Ratio Lower Upper

91 100

92 52.0 26.1 78.2

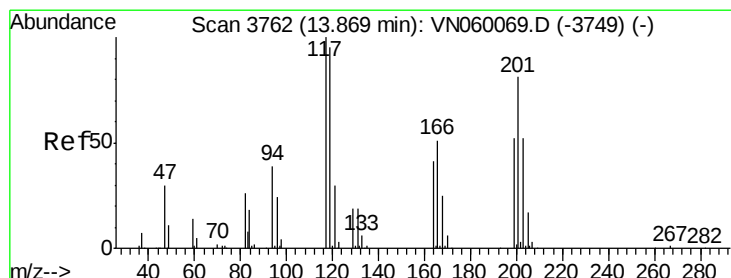
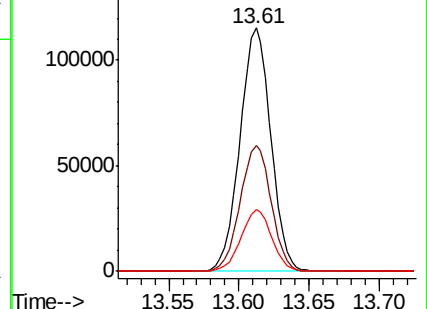
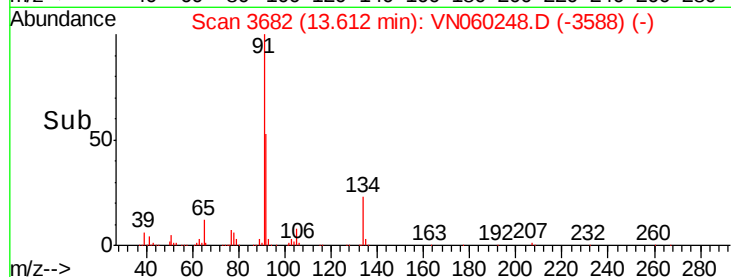
134 25.1 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)



#90

Hexachloroethane

Concen: 14.074 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060248.D

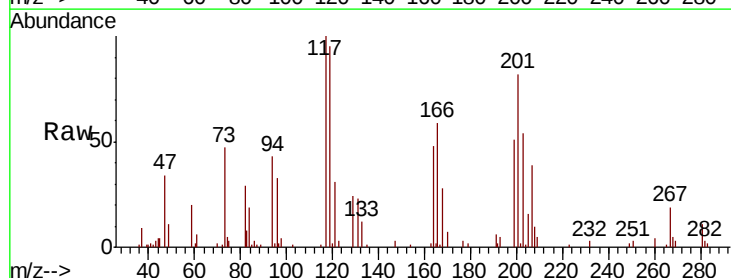
Acq: 26 Feb 2020 14:02

Tgt Ion: 117 Resp: 26215

Ion Ratio Lower Upper

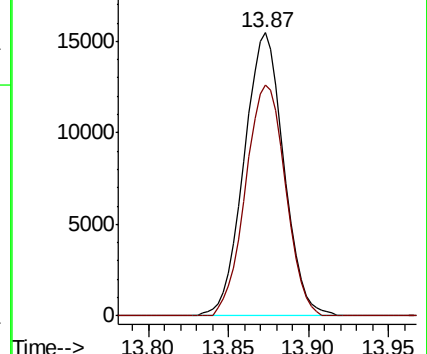
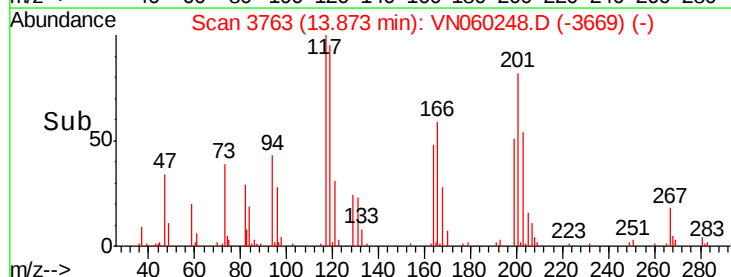
117 100

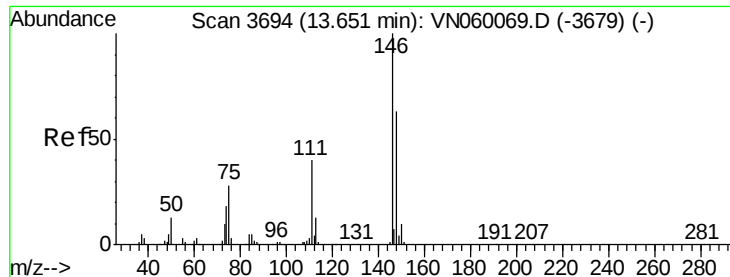
201 82.0 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)

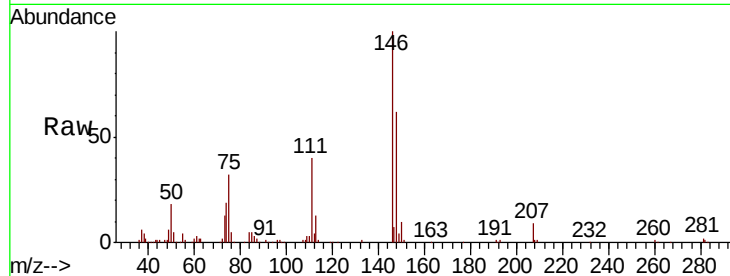




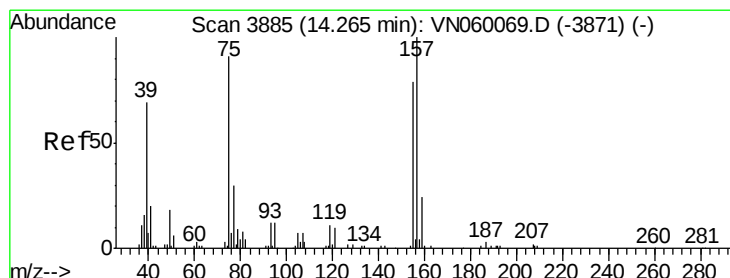
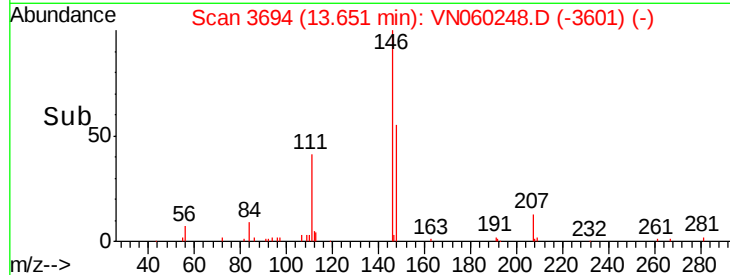
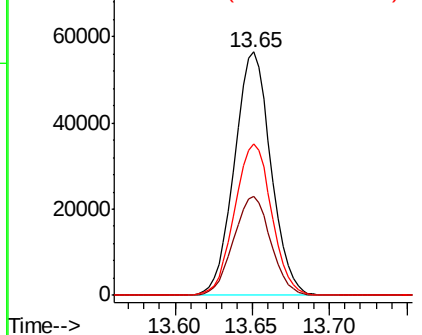
#91
 1,2-Dichlorobenzene
 Concen: 19.039 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.2
148	63.4	31.9	95.5

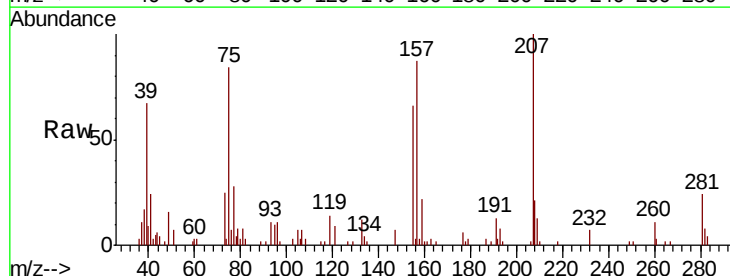


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

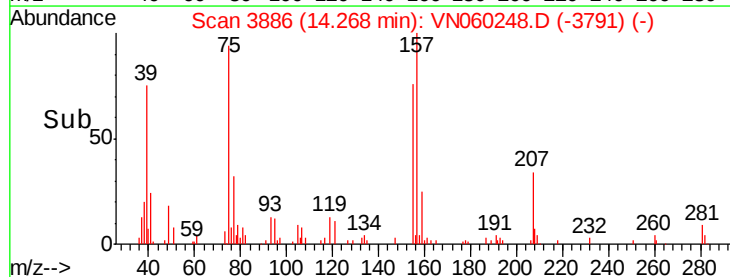
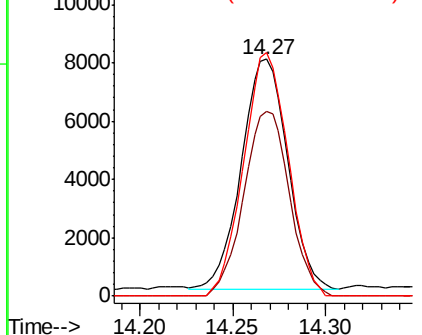


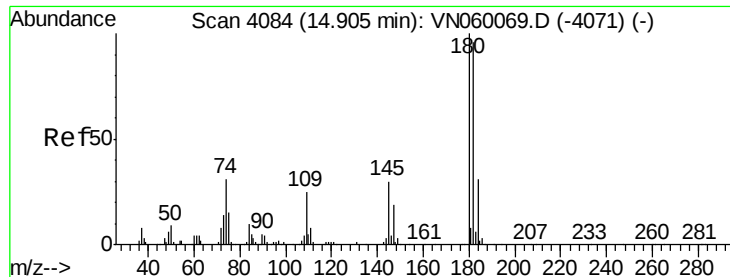
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.392 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	43.0	129.0
157	101.1	54.9	164.5



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

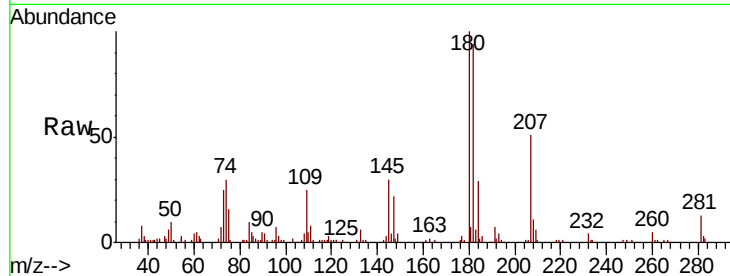




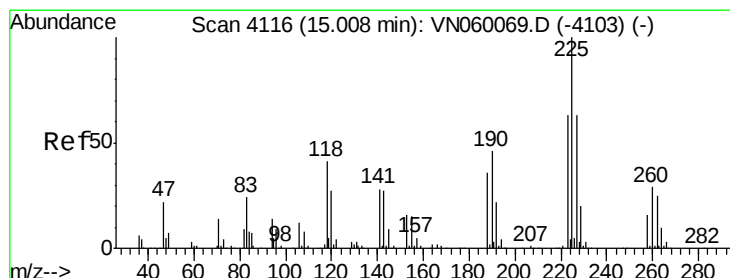
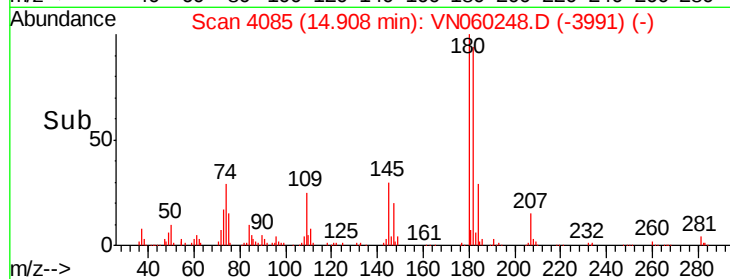
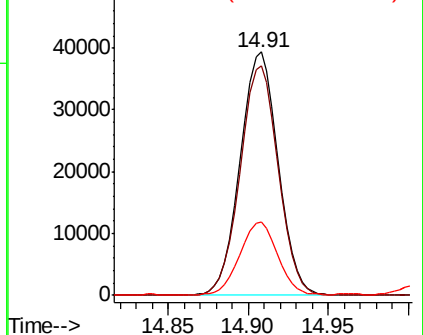
#93
 1,2,4-Trichlorobenzene
 Concen: 22.289 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 63606
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.8
 145 30.3 15.2 45.5

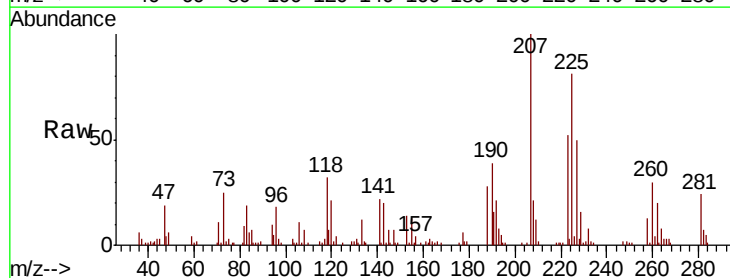


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

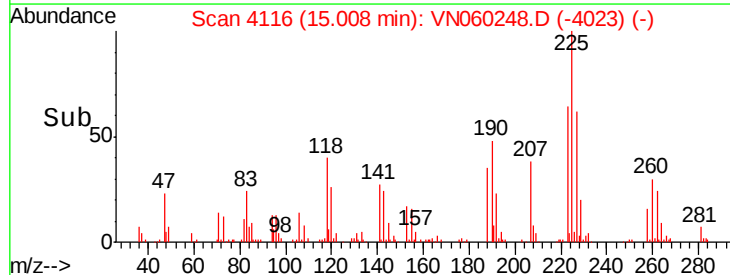
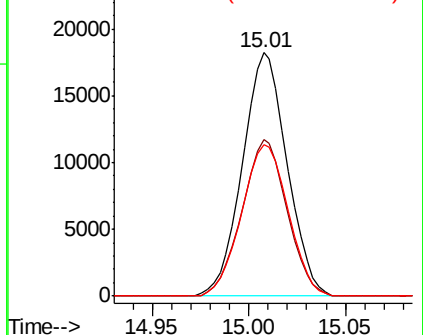


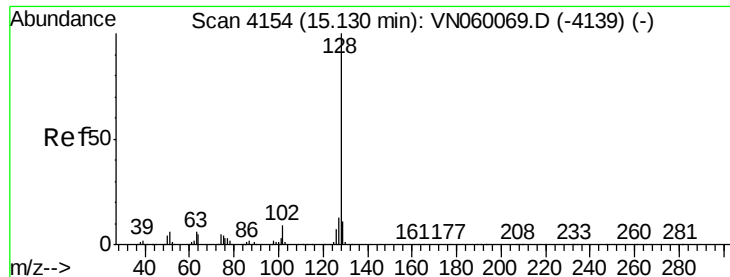
#94
 Hexachlorobutadiene
 Concen: 17.515 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion:225 Resp: 29261
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.5 94.5
 227 65.0 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: 24.566 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

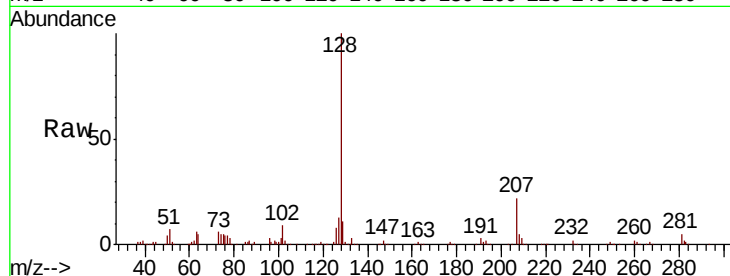
Tot Ion:128 Resp: 189365

Ion Ratio Lower Upper

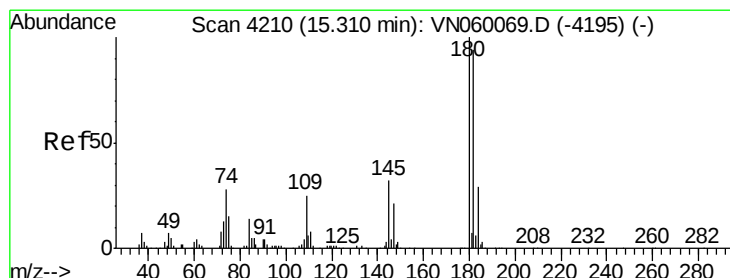
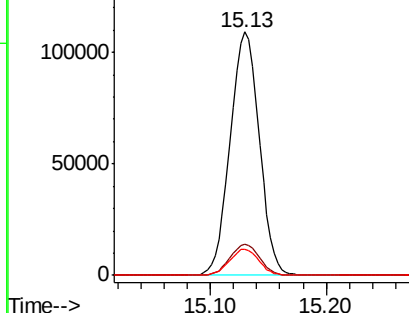
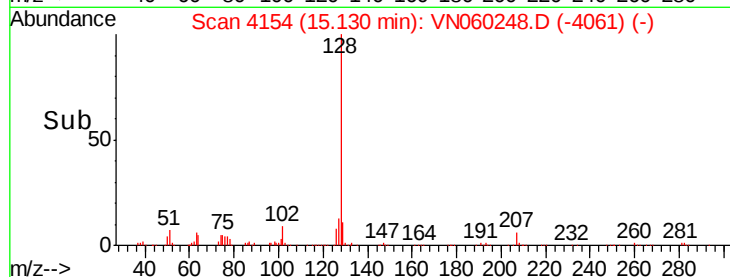
128 100

127 12.9 10.3 15.5

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.192 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

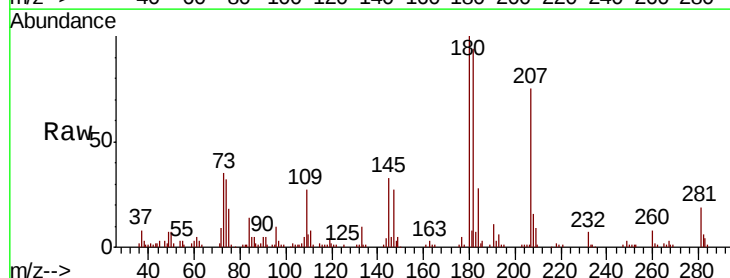
Tgt Ion:180 Resp: 60224

Ion Ratio Lower Upper

180 100

182 94.6 47.5 142.5

145 32.8 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

