

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060320.D
 Acq On : 3 Mar 2020 11:40
 Operator : JC/MD
 Sample : VN0303MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 01:12:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	126329	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	7.57	113	85910	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
50) Toluene-d8	10.08	98	364550	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.40	95	135111	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31651	17.373	ug/l	98
3) Chloromethane	2.04	50	55806	17.594	ug/l	99
4) Vinyl Chloride	2.16	62	45591	16.760	ug/l	98
5) Bromomethane	2.55	94	16494	13.300	ug/l	97
6) Chloroethane	2.69	64	25001	16.963	ug/l	96
7) Trichlorofluoromethane	3.00	101	59326	17.070	ug/l	98
8) Diethyl Ether	3.38	74	23792	18.131	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35087	17.839	ug/l	98
10) Methyl Iodide	3.93	142	31281	17.426	ug/l	99
11) Tert butyl alcohol	4.73	59	31899	84.265	ug/l	98
12) 1,1-Dichloroethene	3.72	96	34269	17.902	ug/l	97
13) Acrolein	3.58	56	30961	87.669	ug/l	100
14) Allyl chloride	4.29	41	63475	18.034	ug/l	99
15) Acrylonitrile	4.95	53	91747	91.949	ug/l	98
16) Acetone	3.78	43	74981	91.076	ug/l	99
17) Carbon Disulfide	4.03	76	88703	17.045	ug/l	99
18) Methyl Acetate	4.29	43	46177	16.807	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	129628	18.703	ug/l	99
20) Methylene Chloride	4.52	84	40028	17.704	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	37364	17.944	ug/l	98
22) Diisopropyl ether	5.91	45	133776	18.763	ug/l	96
23) Vinyl Acetate	5.86	43	531386	93.794	ug/l	99
24) 1,1-Dichloroethane	5.82	63	74225	18.391	ug/l	99
25) 2-Butanone	6.80	43	121497	91.365	ug/l	99
26) 2,2-Dichloropropane	6.80	77	65059	17.707	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	45317	17.285	ug/l	99
28) Bromochloromethane	7.17	49	31076	18.754	ug/l	97
29) Tetrahydrofuran	7.18	42	83113	89.880	ug/l	99
30) Chloroform	7.35	83	75423	18.773	ug/l	100
31) Cyclohexane	7.63	56	65706	18.226	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	64874	18.225	ug/l	100
36) 1,1-Dichloropropene	7.77	75	53601	17.322	ug/l	99
37) Ethyl Acetate	6.90	43	55066	18.793	ug/l	99
38) Carbon Tetrachloride	7.75	117	53394	17.722	ug/l	100

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Quant Time: Mar 04 01:12:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	63955	17.529	ug/l	100
40) Benzene	8.02	78	163317	18.133	ug/l	98
41) Methacrylonitrile	7.14	41	25618	18.935	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61767	19.005	ug/l	100
43) Isopropyl Acetate	8.14	43	95557	18.628	ug/l	99
44) Trichloroethene	8.82	130	44602	17.781	ug/l	97
45) 1,2-Dichloropropane	9.10	63	44497	18.896	ug/l	100
46) Dibromomethane	9.19	93	28123	18.406	ug/l	98
47) Bromodichloromethane	9.39	83	59406	19.116	ug/l	98
48) Methyl methacrylate	9.18	41	41825	17.880	ug/l	98
49) 1,4-Dioxane	9.18	88	10934	332.391	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	267241	91.886	ug/l	99
52) Toluene	10.14	92	100930	17.840	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68430	17.971	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	72054	18.261	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	41761	18.355	ug/l	98
56) Ethyl methacrylate	10.42	69	59559	18.221	ug/l	97
57) 1,3-Dichloropropane	10.70	76	71092	19.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	150164	87.839	ug/l	99
59) 2-Hexanone	10.74	43	191600	89.725	ug/l	99
60) Dibromochloromethane	10.89	129	43124	18.638	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40640	18.324	ug/l	98
64) Tetrachloroethene	10.62	164	47779	19.528	ug/l	97
65) Chlorobenzene	11.43	112	107523	17.892	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	41119	18.505	ug/l	99
67) Ethyl Benzene	11.51	91	197661	18.061	ug/l	98
68) m/p-Xylenes	11.62	106	147992	35.841	ug/l	100
69) o-Xylene	11.94	106	71780	18.230	ug/l	99
70) Styrene	11.96	104	113938	17.600	ug/l	99
71) Bromoform	12.12	173	29235	18.255	ug/l #	99
73) Isopropylbenzene	12.25	105	193690	18.120	ug/l	99
74) N-amyl acetate	12.06	43	81347	17.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	53044	18.256	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	75423	23.837	ug/l #	100
77) Bromobenzene	12.52	156	47705	18.207	ug/l	96
78) n-propylbenzene	12.59	91	226117	18.047	ug/l	99
79) 2-Chlorotoluene	12.67	91	130657	17.740	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	163420	18.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20049	17.492	ug/l #	86
82) 4-Chlorotoluene	12.77	91	135557	17.469	ug/l	100
83) tert-Butylbenzene	12.99	119	138688	17.799	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	164124	18.068	ug/l	100
85) sec-Butylbenzene	13.17	105	186825	17.905	ug/l	99
86) p-Isopropyltoluene	13.28	119	171111	17.718	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	83314	18.385	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	84110	18.572	ug/l	99
89) n-Butylbenzene	13.61	91	156302	17.631	ug/l	100
90) Hexachloroethane	13.87	117	22121	15.825	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82196	17.903	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11754	17.864	ug/l	92

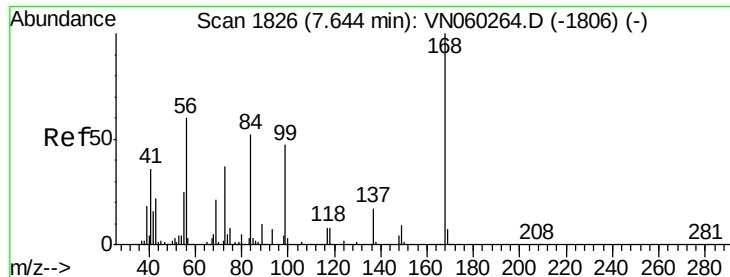
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030320\
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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53046	18.239	ug/l	99
94) Hexachlorobutadiene	15.01	225	26271	19.238	ug/l	99
95) Naphthalene	15.13	128	152319	17.550	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50833	18.387	ug/l	100

(#) = 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: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

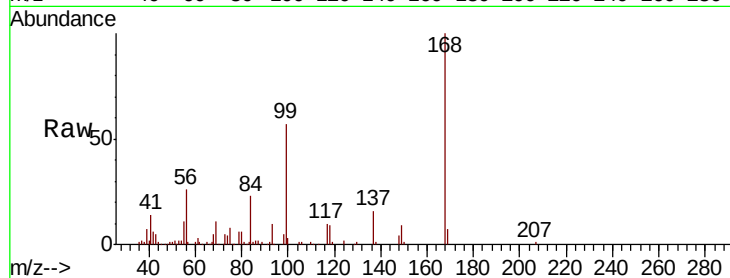
ClientSampled :

Tot Ion:168 Resp: 198705

Ion Ratio Lower Upper

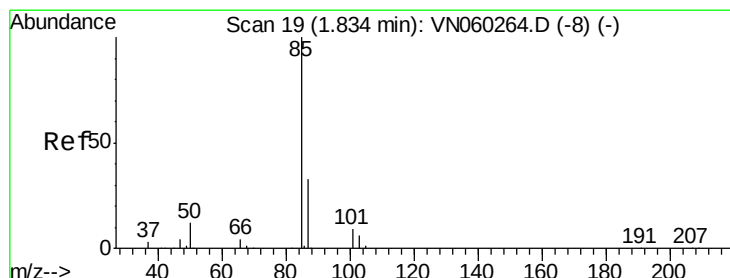
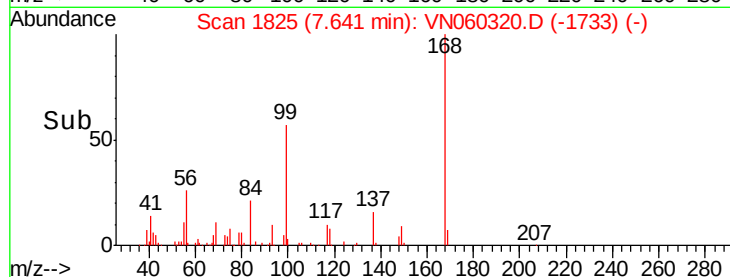
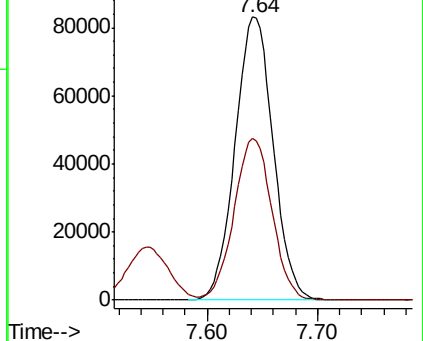
168 100

99 57.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.373 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060320.D

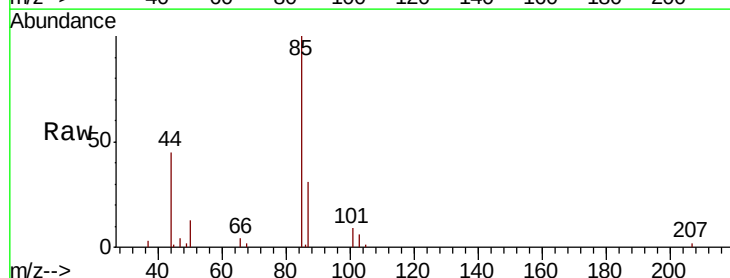
Acq: 3 Mar 2020 11:40

Tgt Ion: 85 Resp: 31651

Ion Ratio Lower Upper

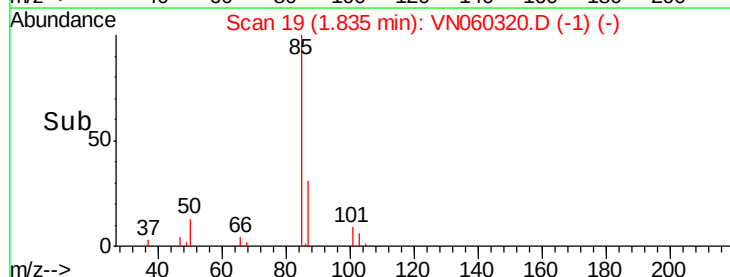
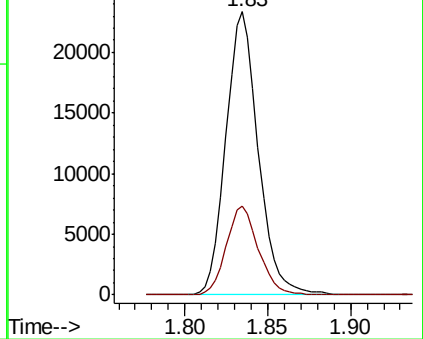
85 100

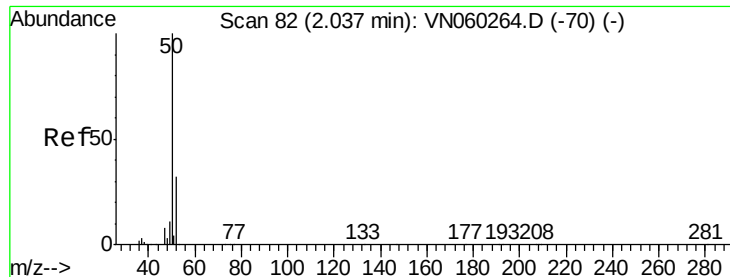
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

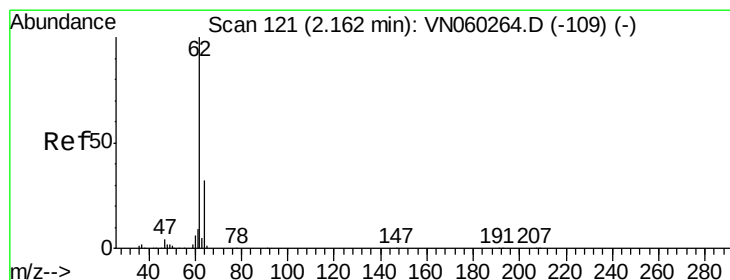
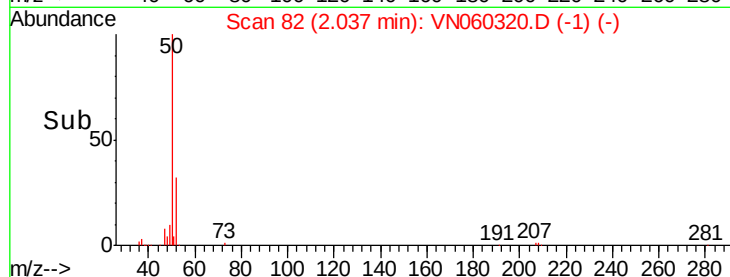
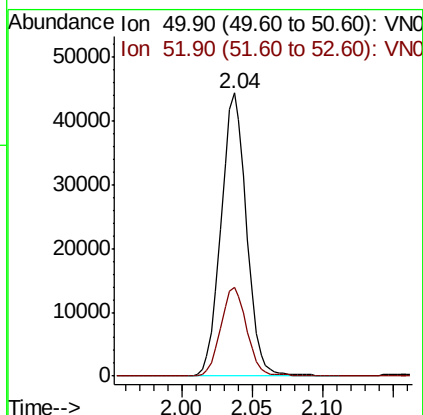
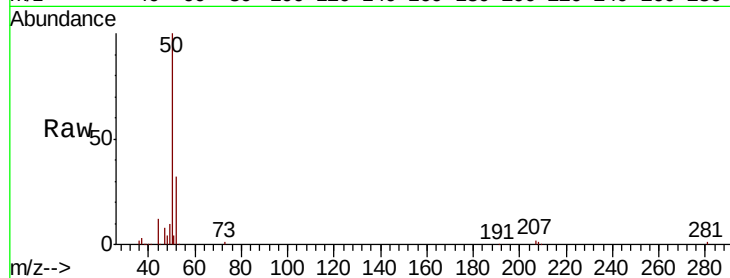




#3
Chloromethane
Concen: 17.594 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

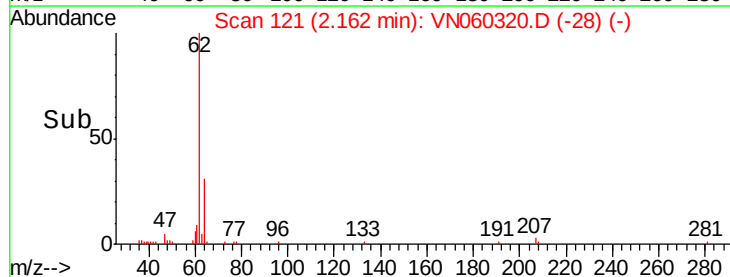
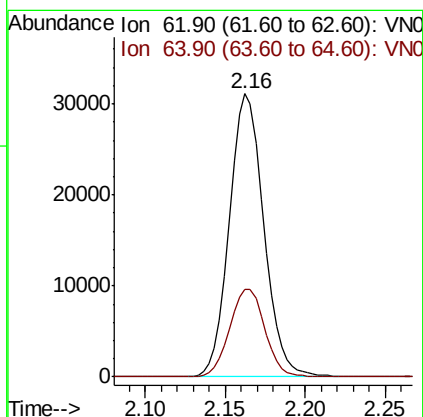
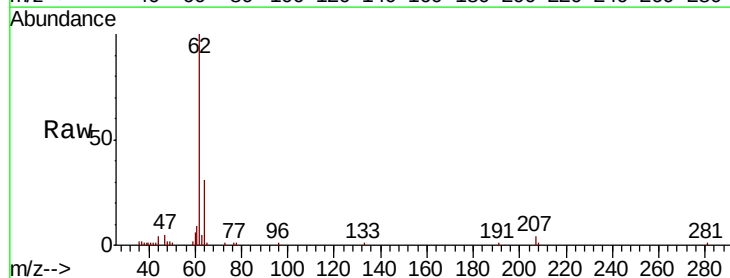
Instrument :
MSVOA_N
ClientSampled :

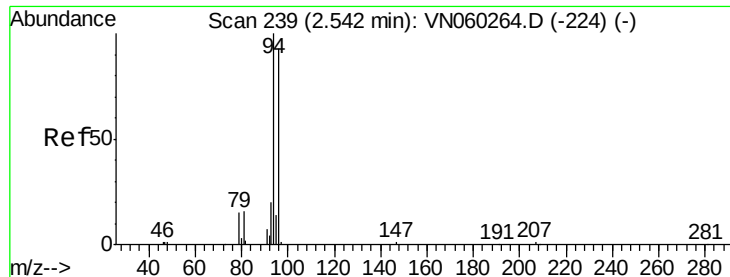
Tot Ion: 50 Resp: 55806
Ion Ratio Lower Upper
50 100
52 31.5 25.6 38.4



#4
Vinyl Chloride
Concen: 16.760 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 62 Resp: 45591
Ion Ratio Lower Upper
62 100
64 31.0 25.5 38.3





#5

Bromomethane

Concen: 13.300 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

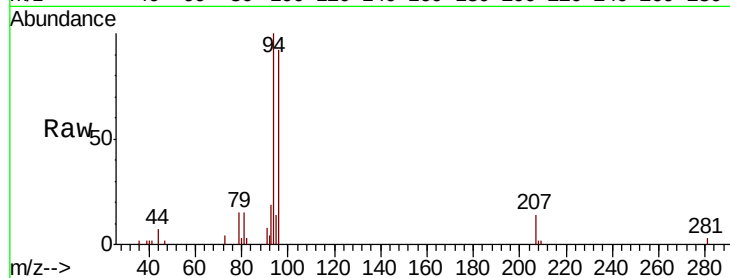
ClientSampleId :

Tot Ion: 94 Resp: 16494

Ion Ratio Lower Upper

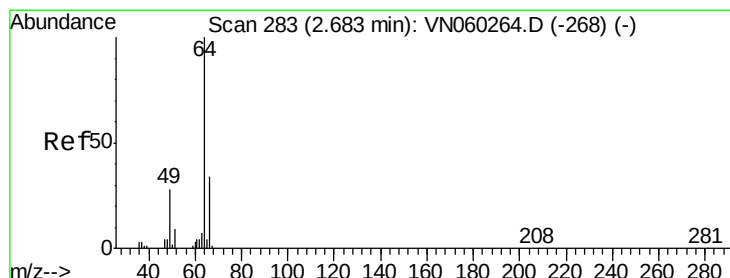
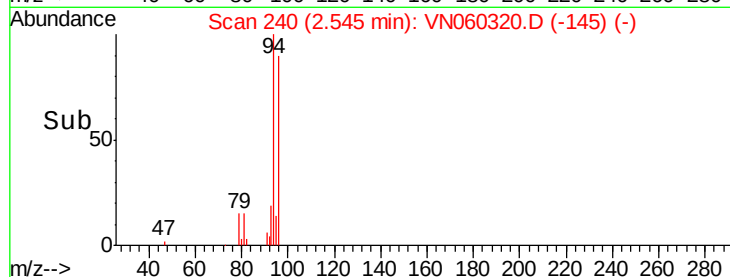
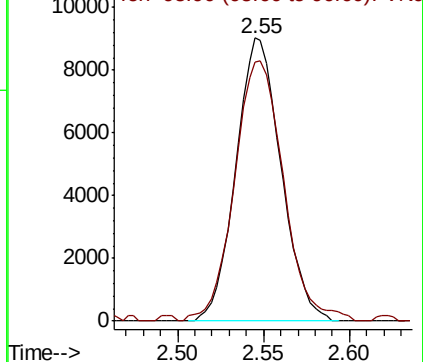
94 100

96 89.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.963 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060320.D

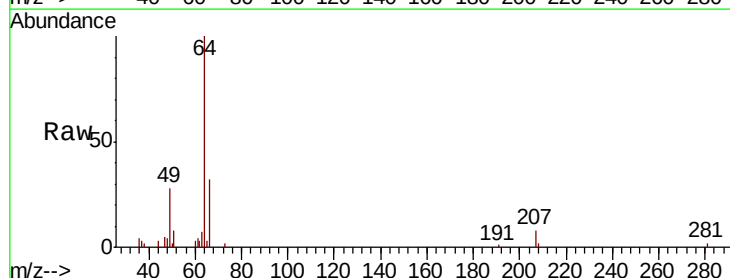
Acq: 3 Mar 2020 11:40

Tgt Ion: 64 Resp: 25001

Ion Ratio Lower Upper

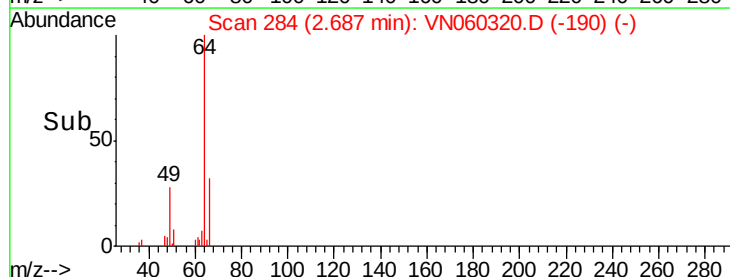
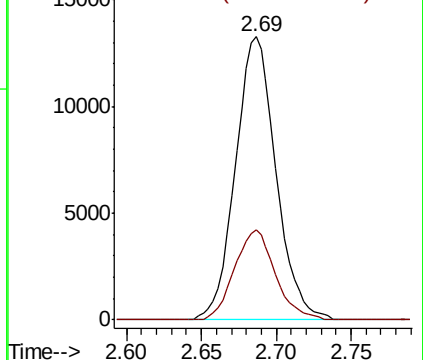
64 100

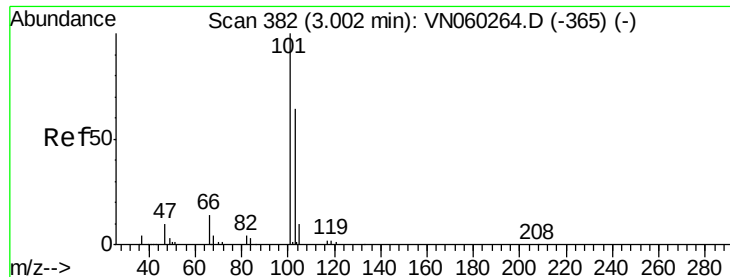
66 31.8 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



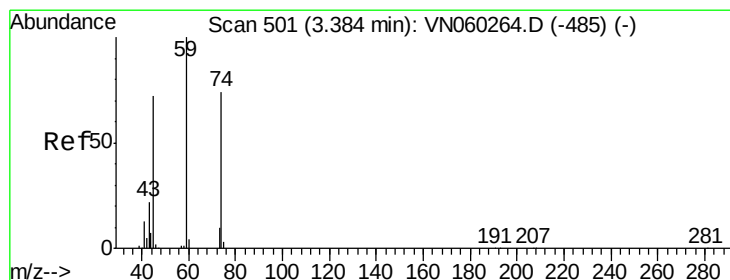
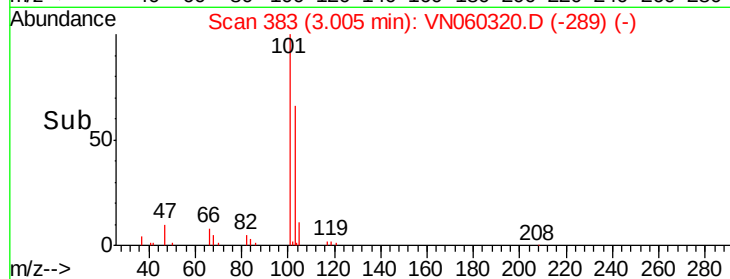
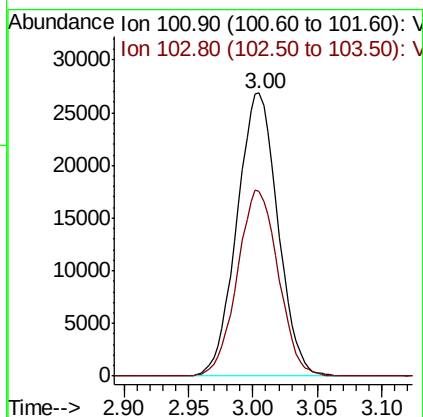
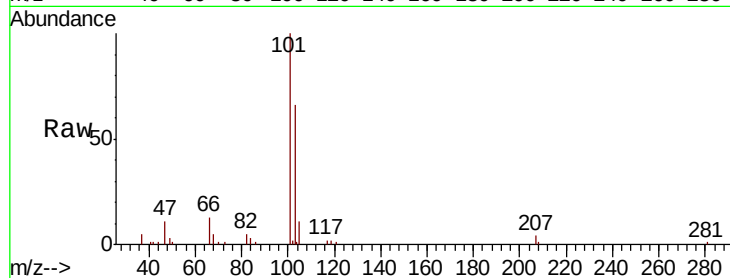


#7

Trichlorofluoromethane
 Concen: 17.070 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :

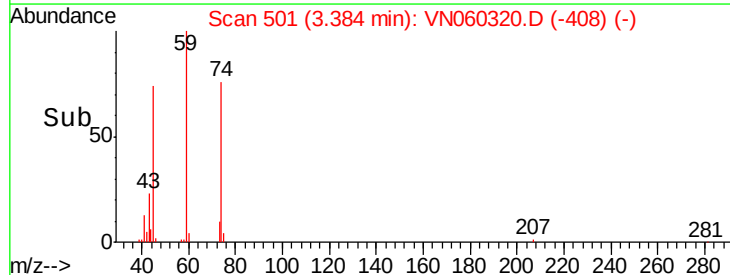
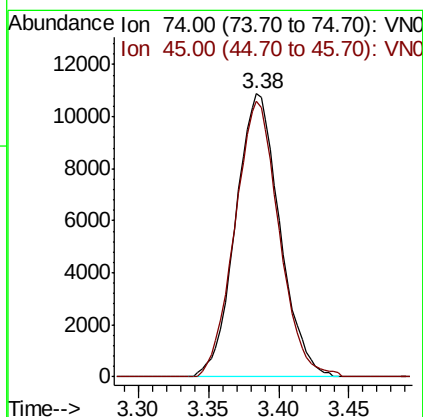
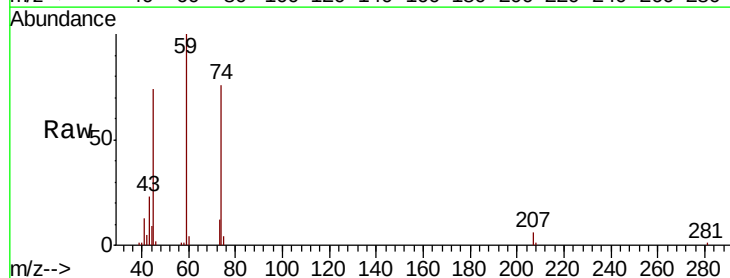
Tot Ion:101 Resp: 59326
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.3 76.9

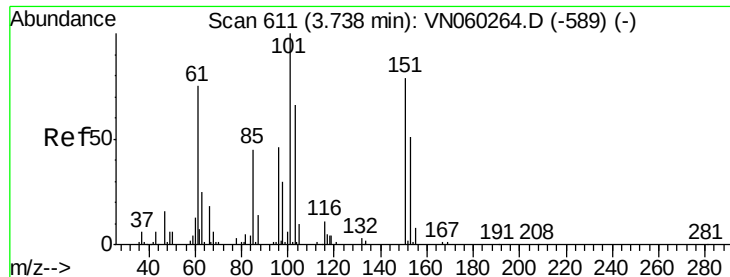


#8

Diethyl Ether
 Concen: 18.131 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion: 74 Resp: 23792
 Ion Ratio Lower Upper
 74 100
 45 97.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.839 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

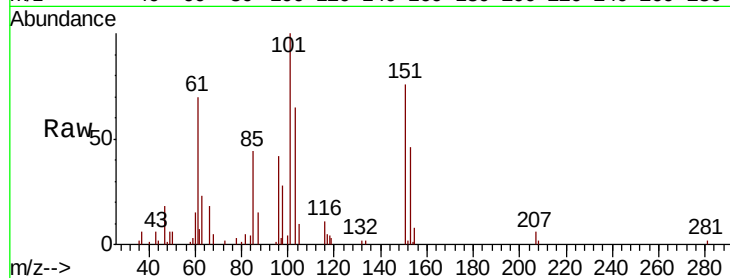
Tot Ion:101 Resp: 35087

Ion Ratio Lower Upper

101 100

85 45.4 35.4 53.2

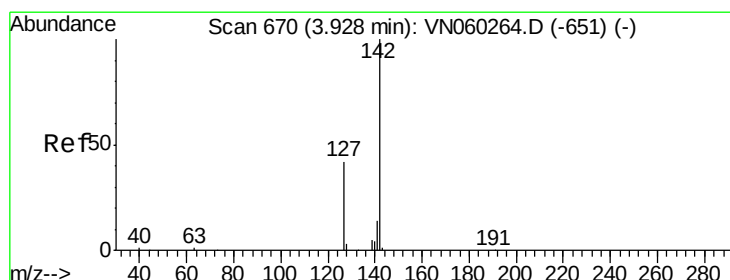
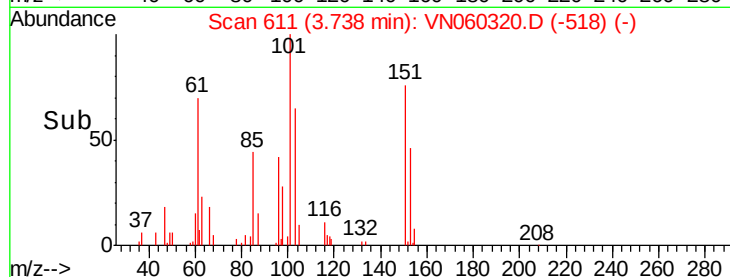
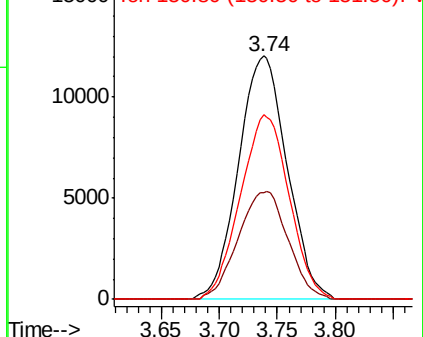
151 76.1 62.0 93.0



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: 17.426 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

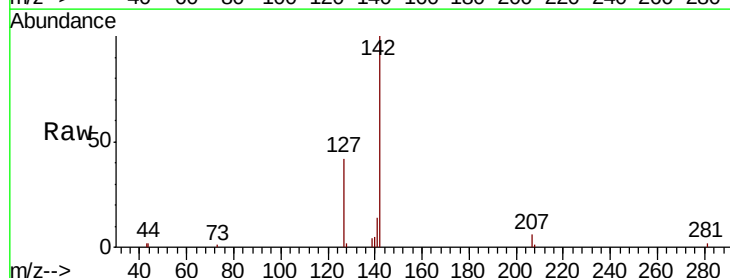
Tgt Ion:142 Resp: 31281

Ion Ratio Lower Upper

142 100

127 42.5 33.8 50.6

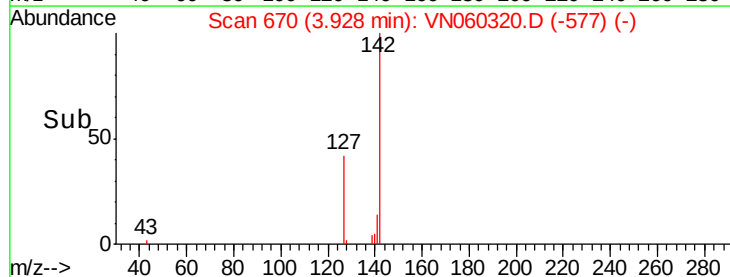
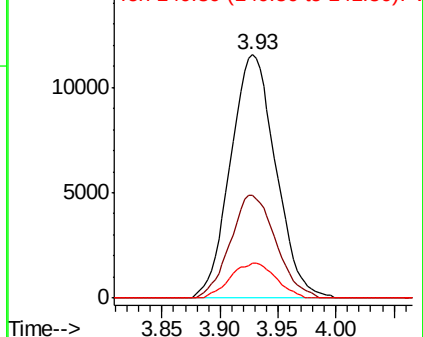
141 14.4 11.1 16.7

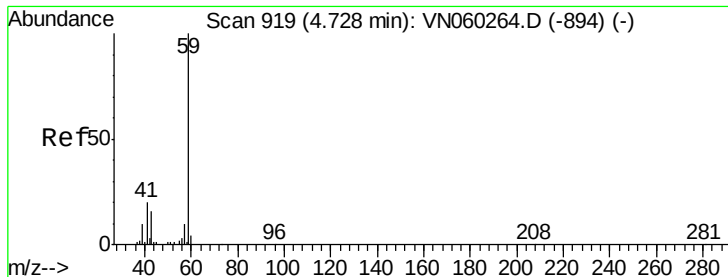


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

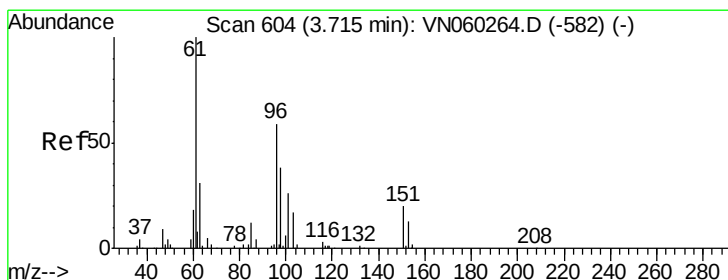
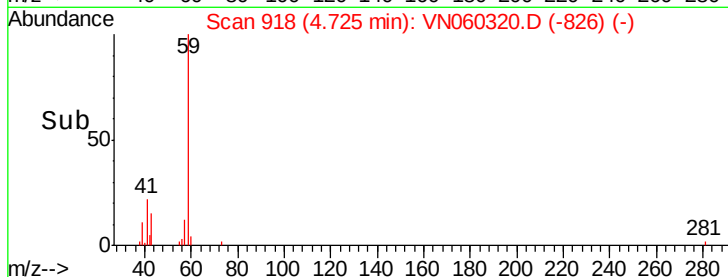
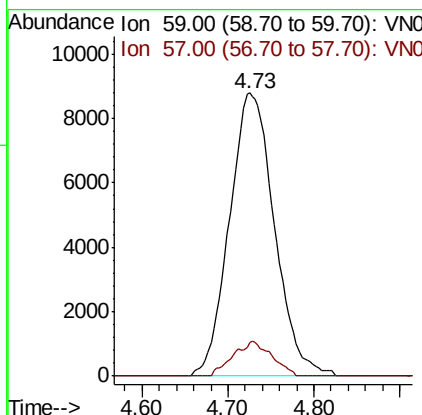
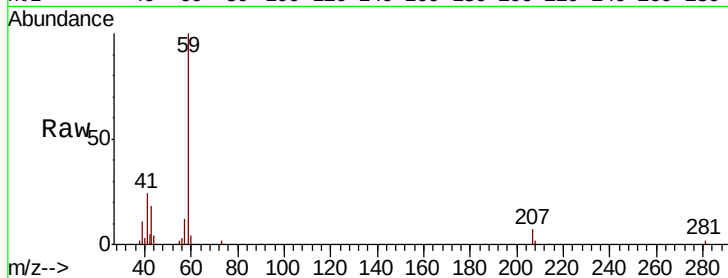




#11
Tert butyl alcohol
Concen: 84.265 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

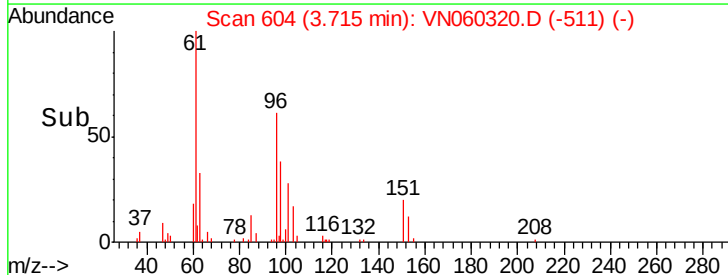
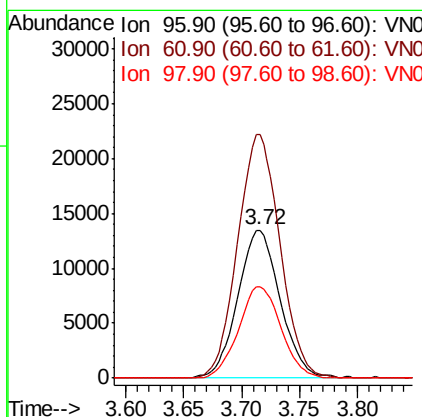
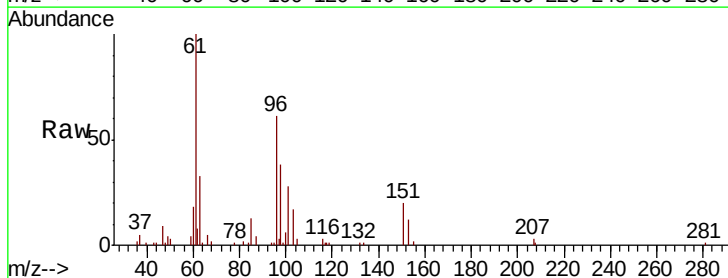
Instrument :
MSVOA_N
ClientSampleId :

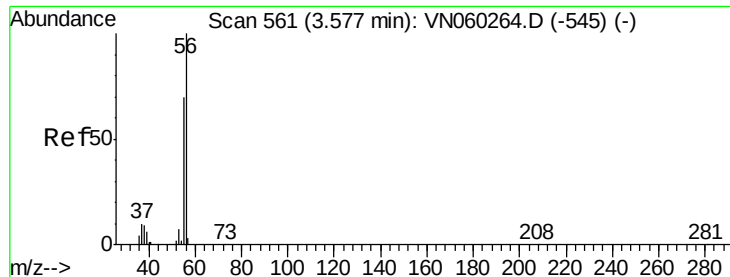
Tot Ion: 59 Resp: 31899
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 17.902 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 96 Resp: 34269
Ion Ratio Lower Upper
96 100
61 164.5 135.4 203.0
98 62.0 51.6 77.4

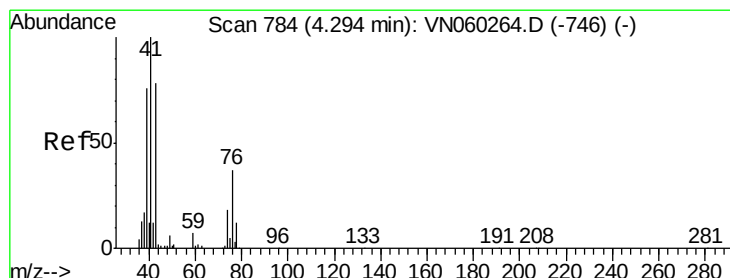
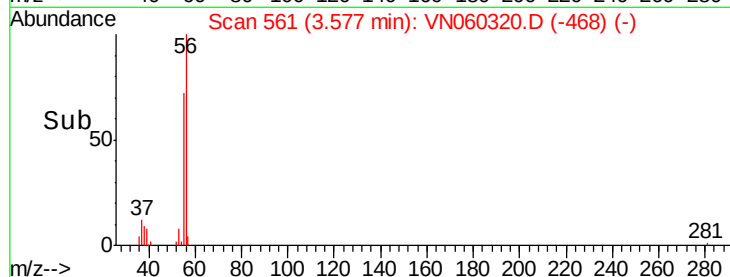
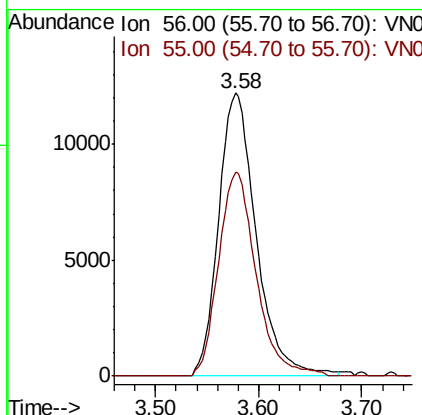
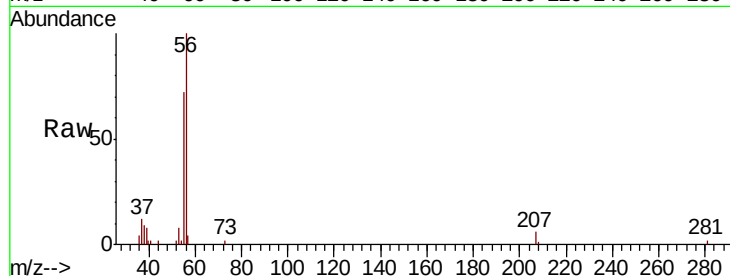




#13
Acrolein
Concen: 87.669 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

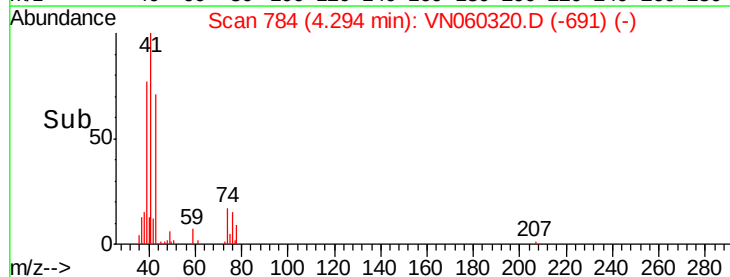
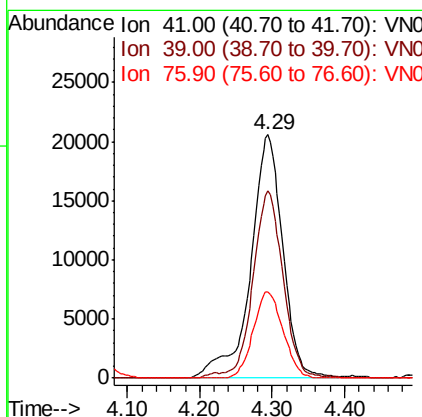
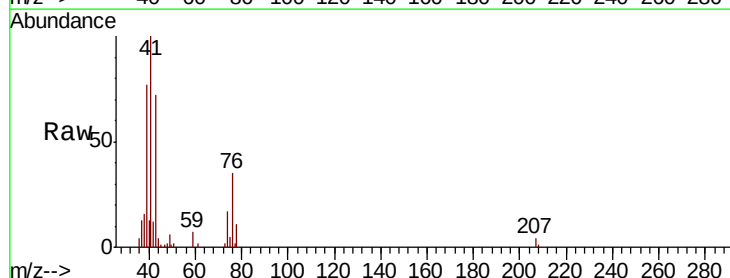
Instrument :
MSVOA_N
ClientSampled :

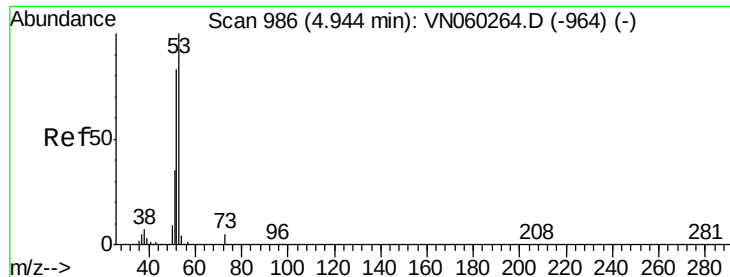
Tot Ion: 56 Resp: 30961
Ion Ratio Lower Upper
56 100
55 72.0 57.4 86.0



#14
Allyl chloride
Concen: 18.034 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 41 Resp: 63475
Ion Ratio Lower Upper
41 100
39 69.7 55.4 83.2
76 32.7 27.0 40.6





#15

Acrylonitrile

Concen: 91.949 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

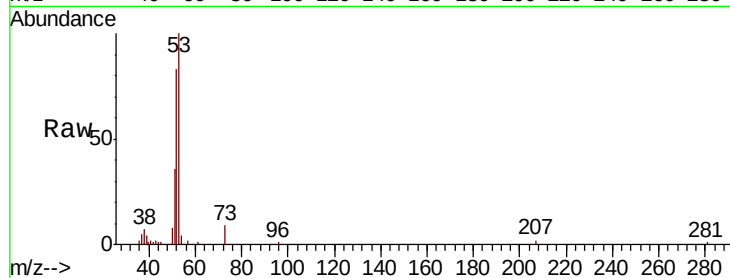
Tot Ion: 53 Resp: 91747

Ion Ratio Lower Upper

53 100

52 81.6 66.8 100.2

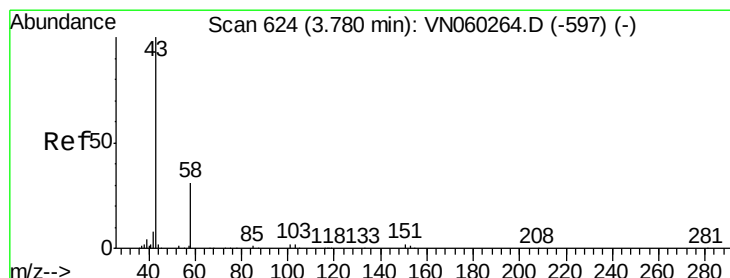
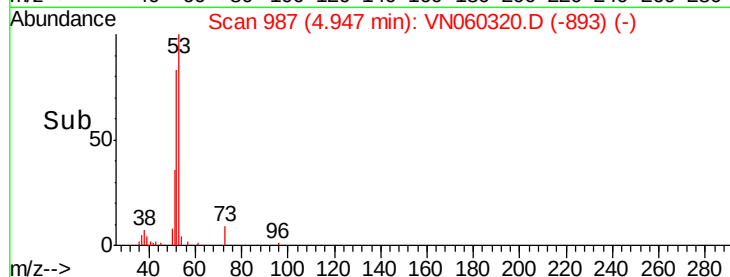
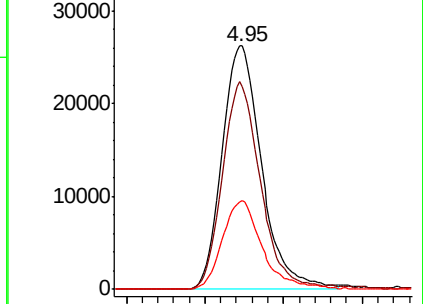
51 36.5 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060320.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060320.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060320.D (-964) (-)



#16

Acetone

Concen: 91.076 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060320.D

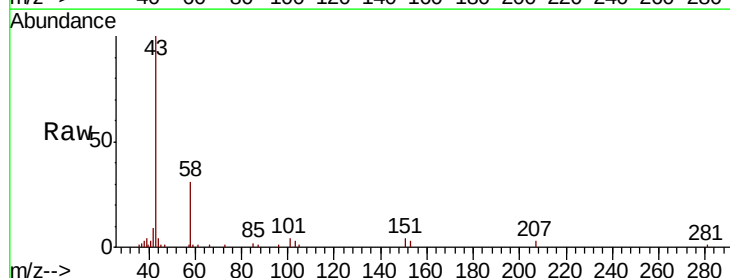
Acq: 3 Mar 2020 11:40

Tgt Ion: 43 Resp: 74981

Ion Ratio Lower Upper

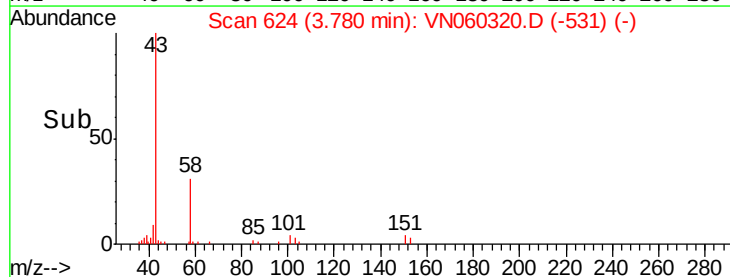
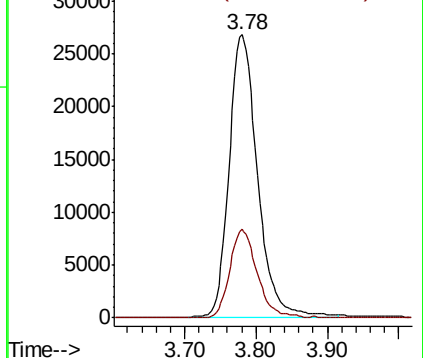
43 100

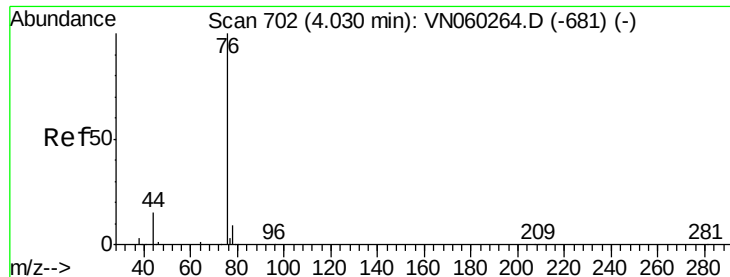
58 31.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060320.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060320.D (-531) (-)

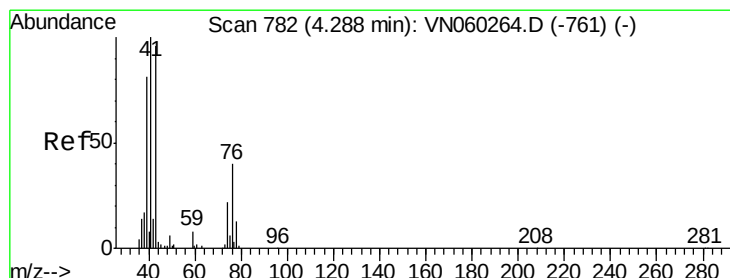
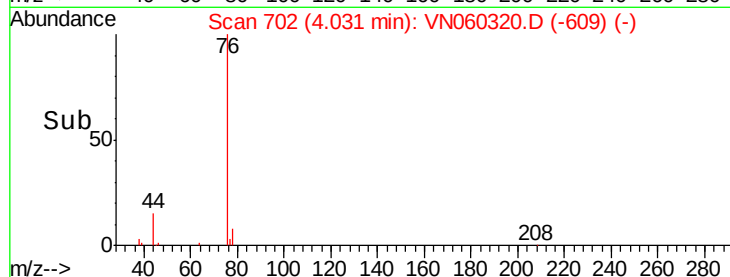
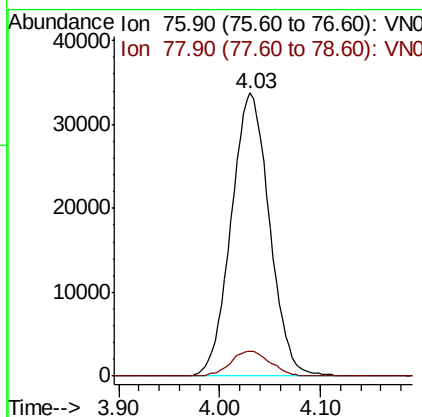
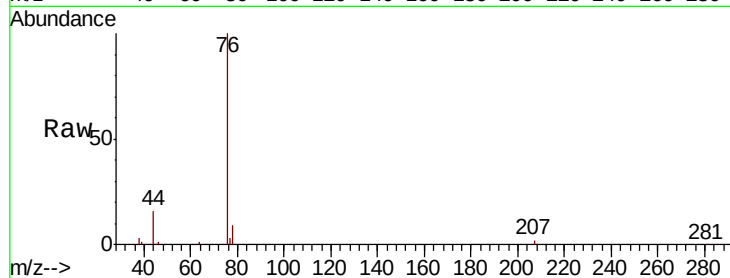




#17
Carbon Disulfide
Concen: 17.045 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

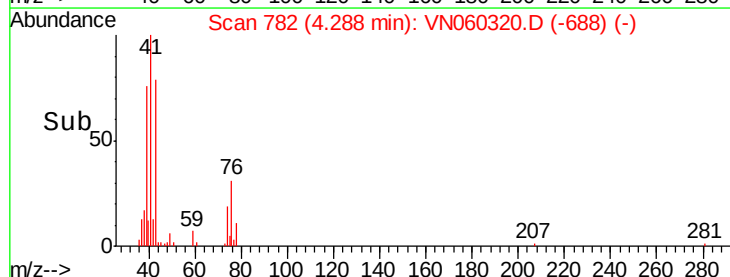
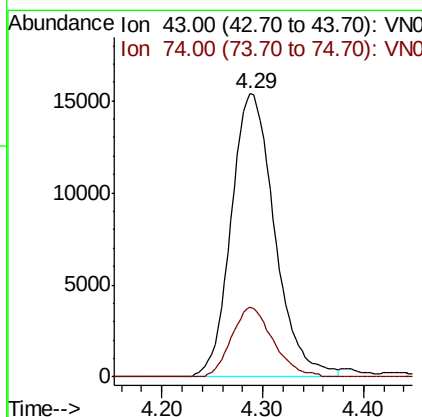
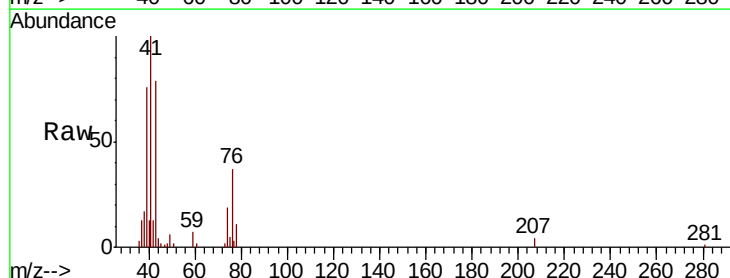
Instrument :
MSVOA_N
ClientSampleId :

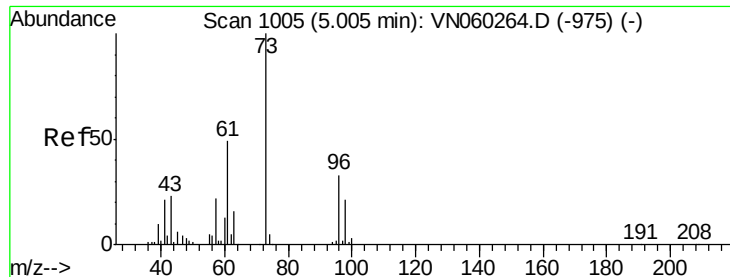
Tot Ion: 76 Resp: 88703
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 16.807 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 43 Resp: 46177
Ion Ratio Lower Upper
43 100
74 23.4 18.8 28.2

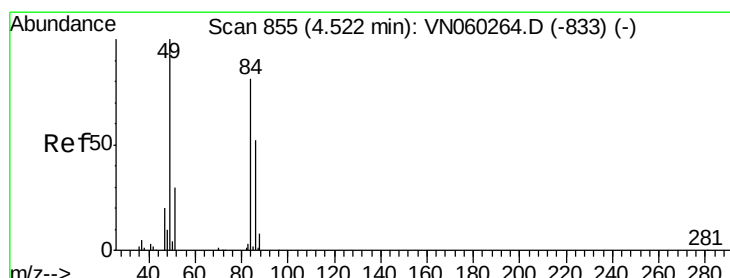
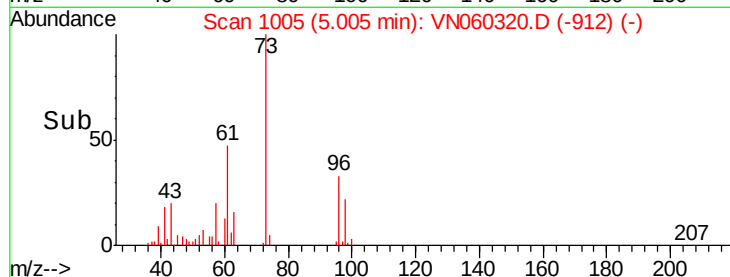
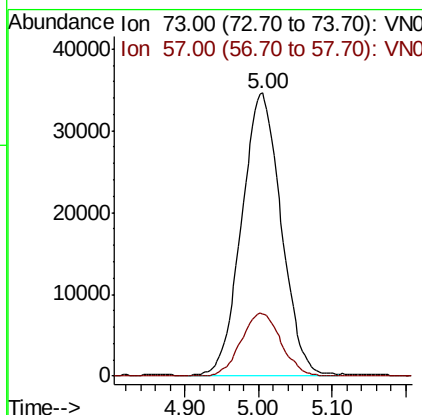
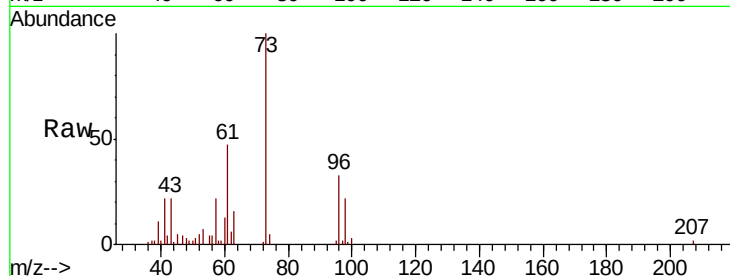




#19
Methvl tert-butvl Ether
Concen: 18.703 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

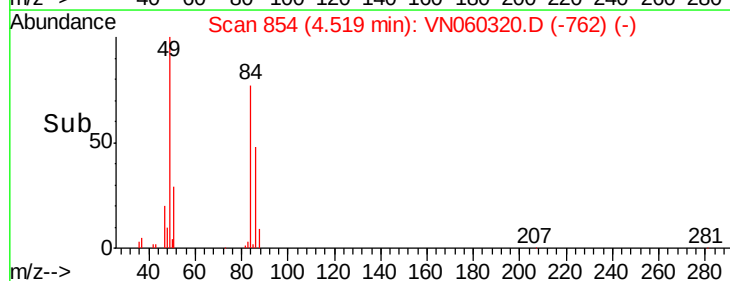
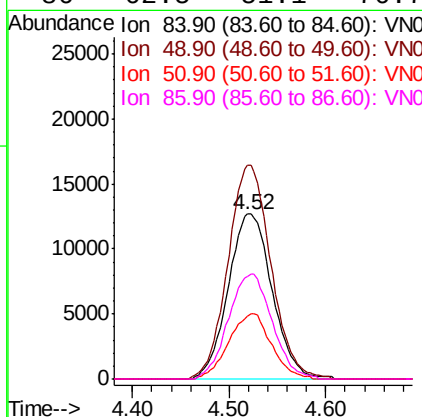
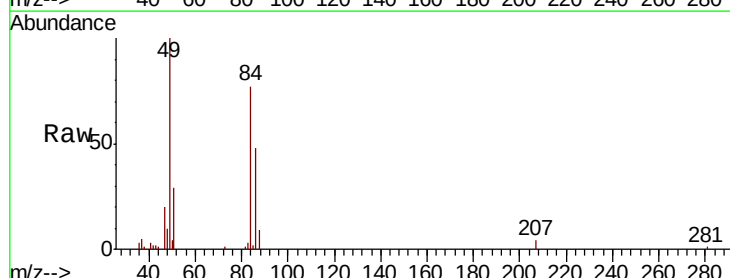
Instrument :
MSVOA_N
ClientSampled :

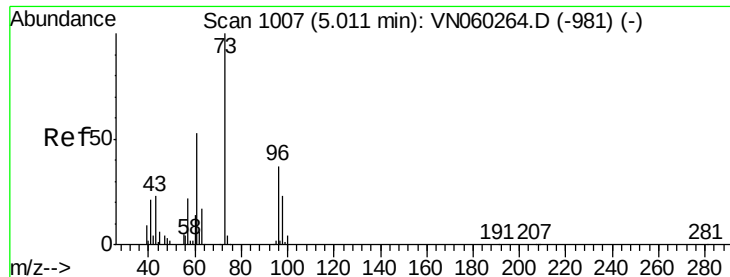
Tot Ion: 73 Resp: 129628
Ion Ratio Lower Upper
73 100
57 22.0 17.3 25.9



#20
Methylene Chloride
Concen: 17.704 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 84 Resp: 40028
Ion Ratio Lower Upper
84 100
49 129.6 99.3 148.9
51 37.8 30.1 45.1
86 62.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.944 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

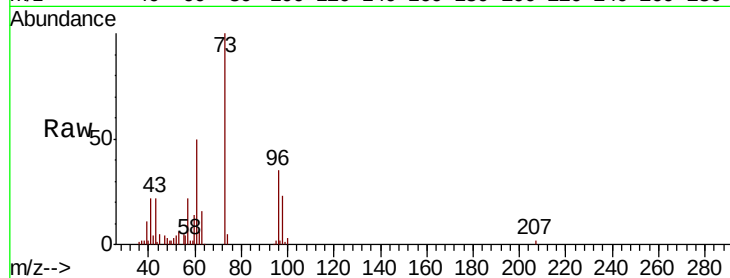
Tot Ion: 96 Resp: 37364

Ion Ratio Lower Upper

96 100

61 143.7 113.8 170.8

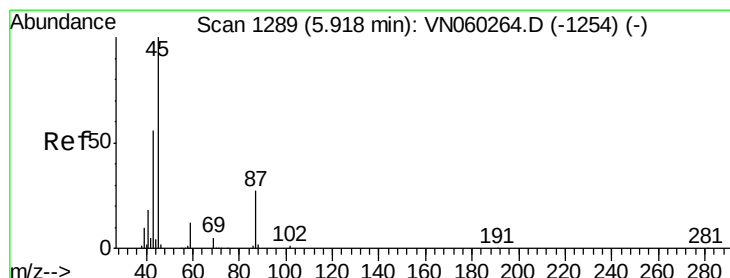
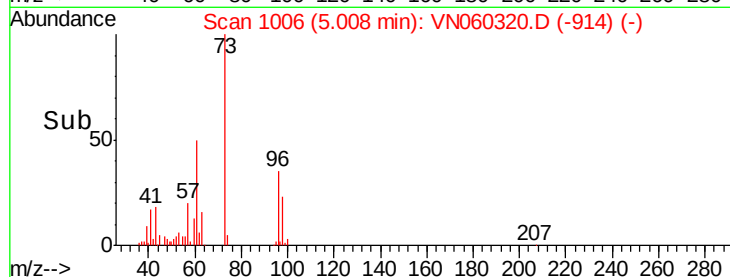
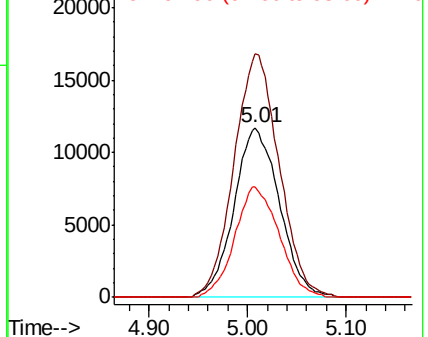
98 65.3 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 18.763 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion: 45 Resp: 133776

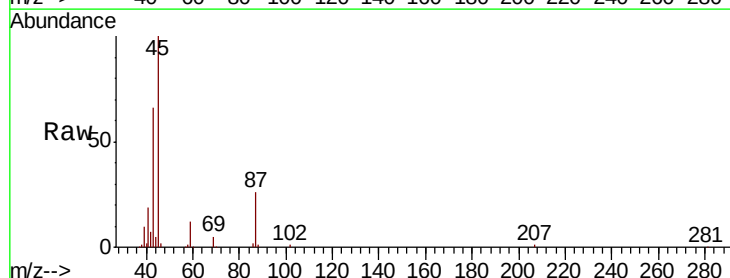
Ion Ratio Lower Upper

45 100

43 64.8 48.6 72.8

87 25.9 22.2 33.2

59 11.6 9.5 14.3

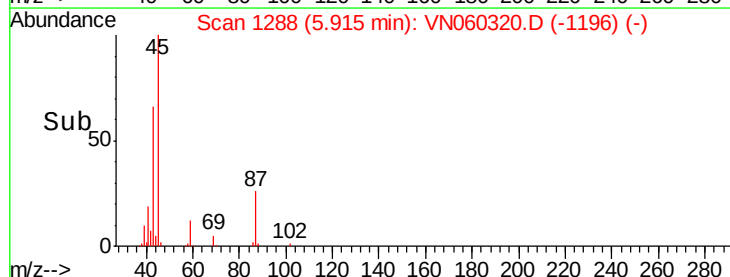
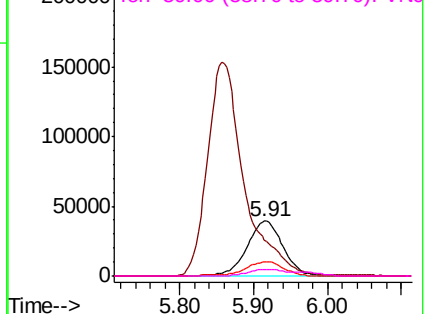


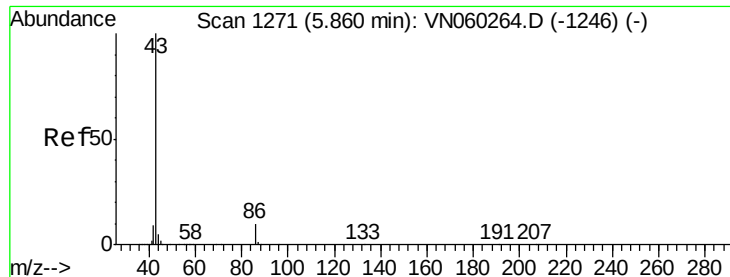
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 93.794 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

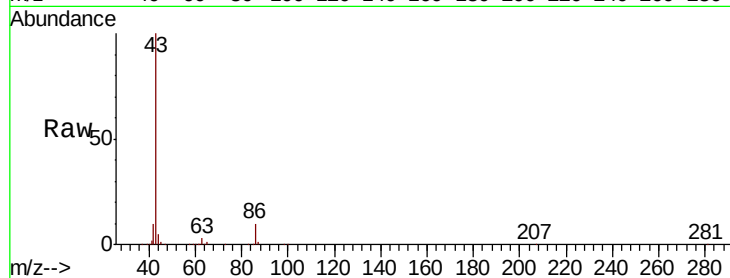
ClientSampleId :

Tot Ion: 43 Resp: 531386

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060320.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060320.D (-1178) (-)

5.86

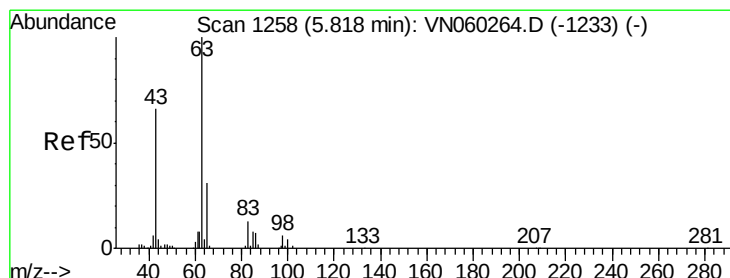
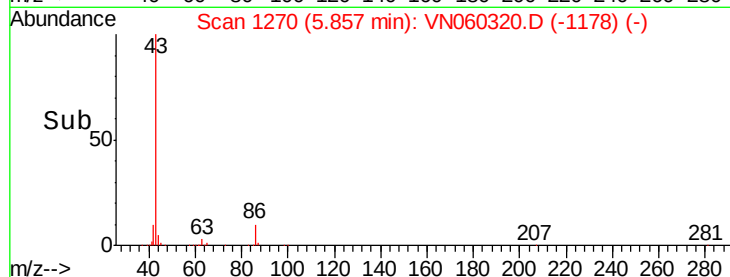
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.391 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

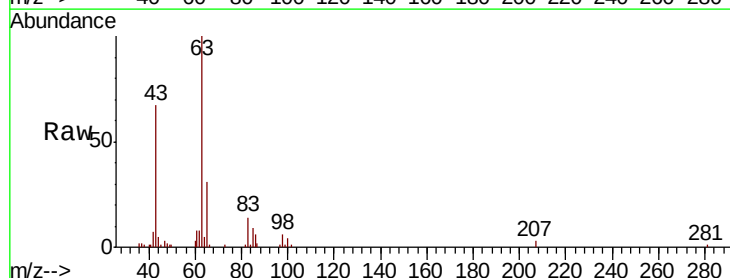
Tgt Ion: 63 Resp: 74225

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060320.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060320.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060320.D (-1165) (-)

5.82

30000

25000

20000

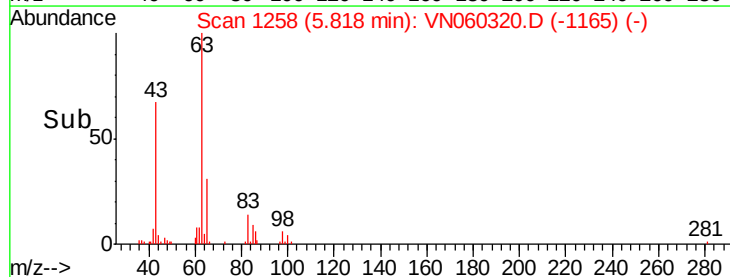
15000

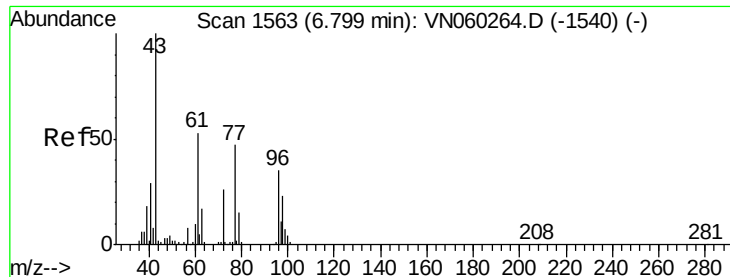
10000

5000

0

Time-->

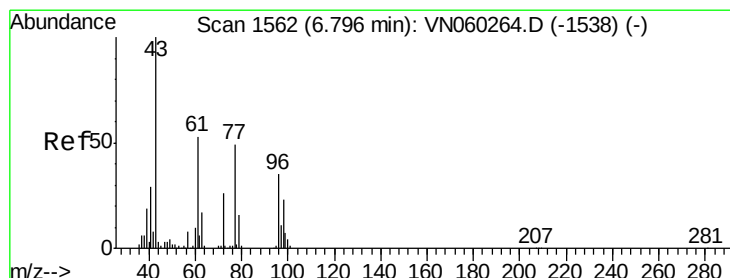
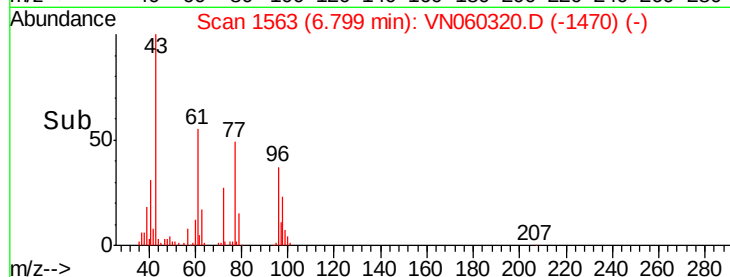
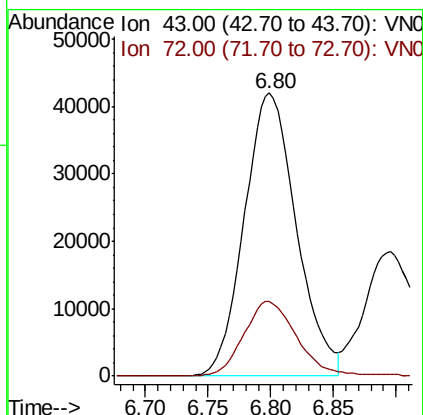
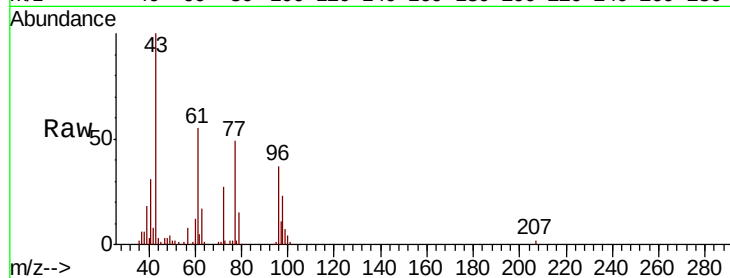




#25
2-Butanone
Concen: 91.365 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

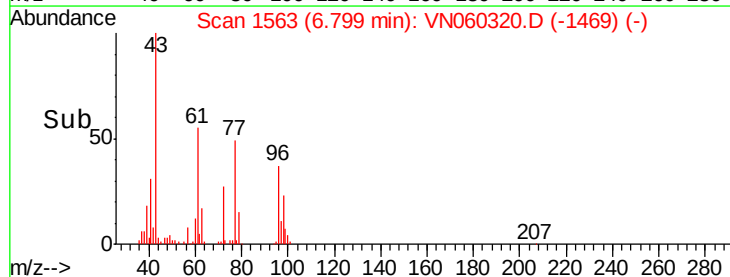
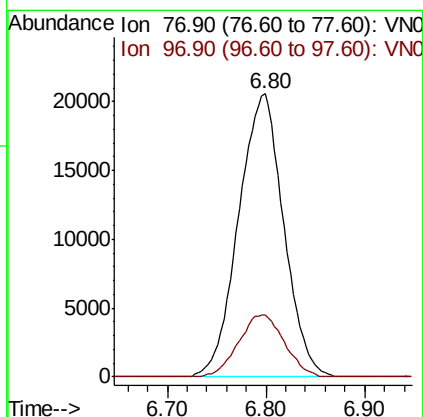
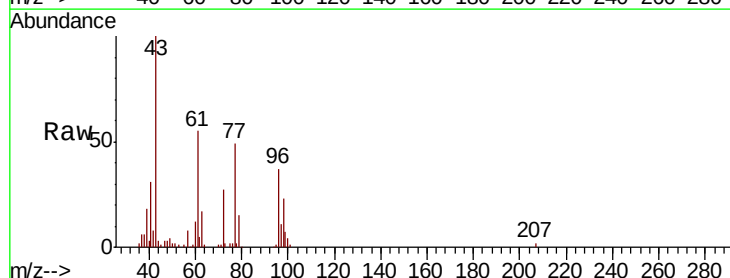
Instrument :
MSVOA_N
ClientSampled :

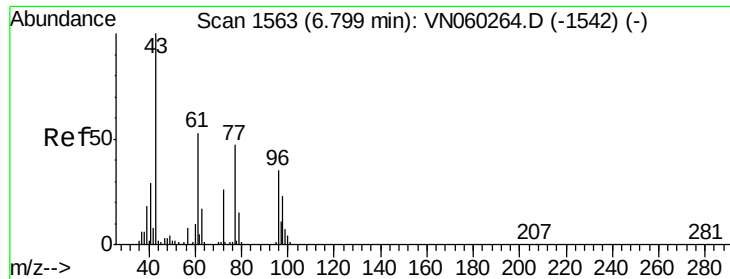
Tot Ion: 43 Resp: 121497
Ion Ratio Lower Upper
43 100
72 26.5 20.9 31.3



#26
2,2-Dichloropropane
Concen: 17.707 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 77 Resp: 65059
Ion Ratio Lower Upper
77 100
97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.285 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

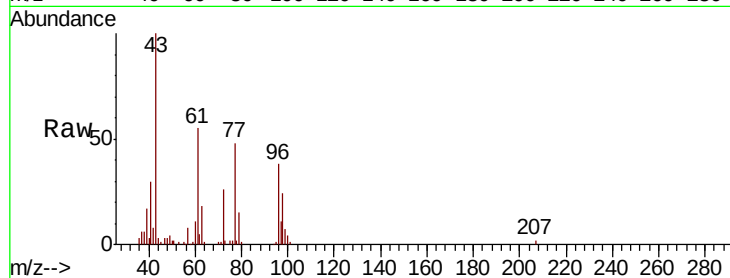
Tot Ion: 96 Resp: 45317

Ion Ratio Lower Upper

96 100

61 149.8 0.0 300.8

98 63.1 0.0 128.2

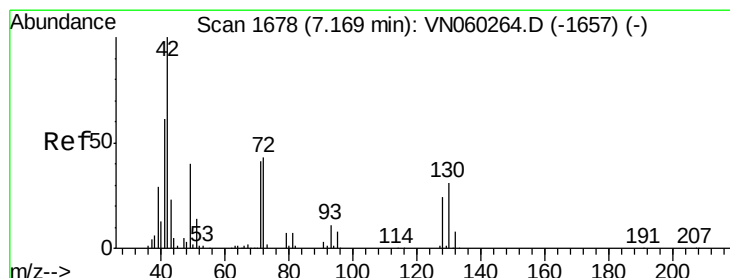
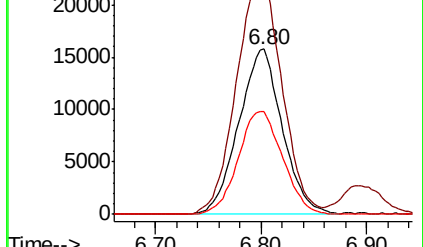
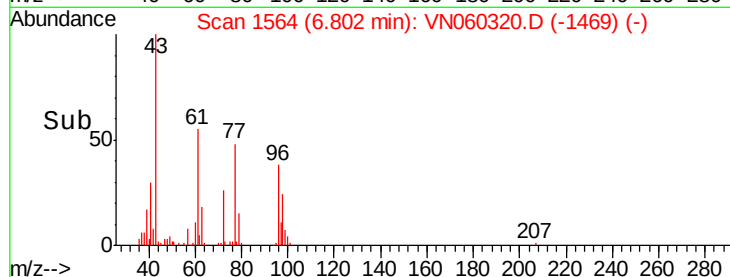


Abundance Ion 95.90 (95.60 to 96.60): VN060320.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN060320.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN060320.D (-1542) (-)

Time-->



#28

Bromochloromethane

Concen: 18.754 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

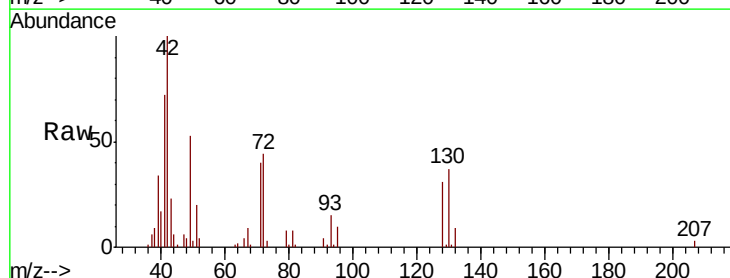
Tgt Ion: 49 Resp: 31076

Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.8

130 72.1 59.8 89.8

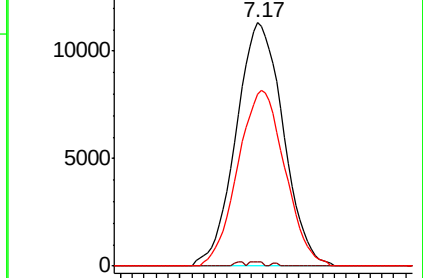
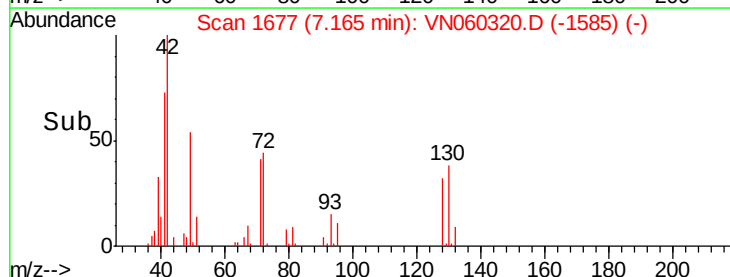


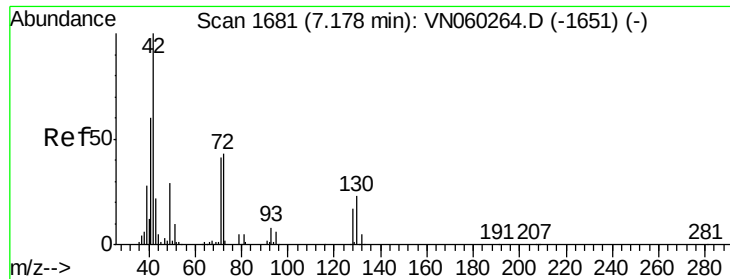
Abundance Ion 48.90 (48.60 to 49.60): VN060320.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN060320.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN060320.D (-1657) (-)

Time-->

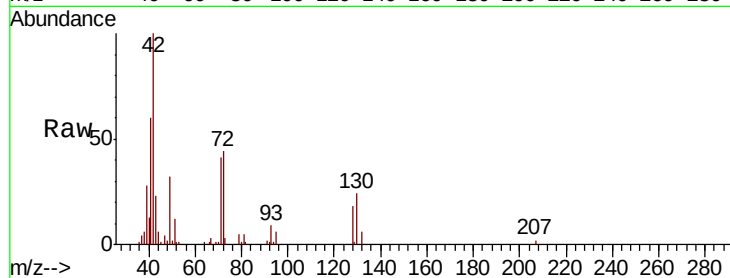




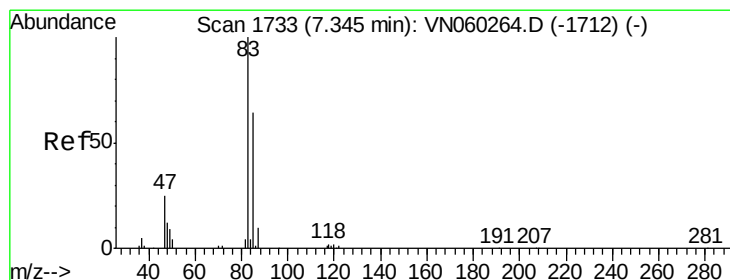
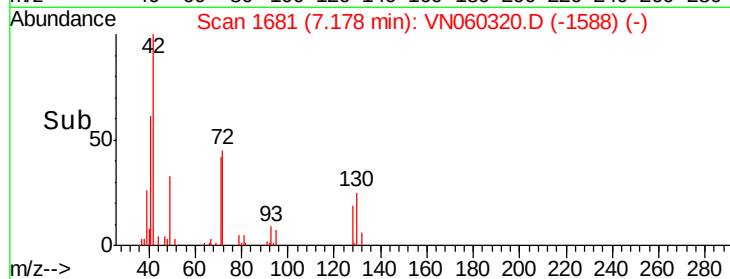
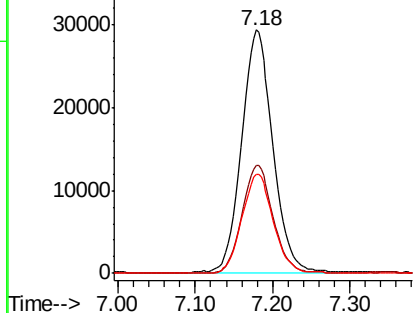
#29
Tetrahydrofuran
Concen: 89.880 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 83113
Ion Ratio Lower Upper
42 100
72 43.8 34.6 52.0
71 40.6 32.9 49.3

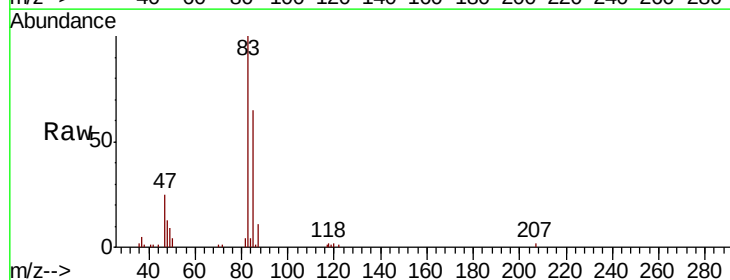


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

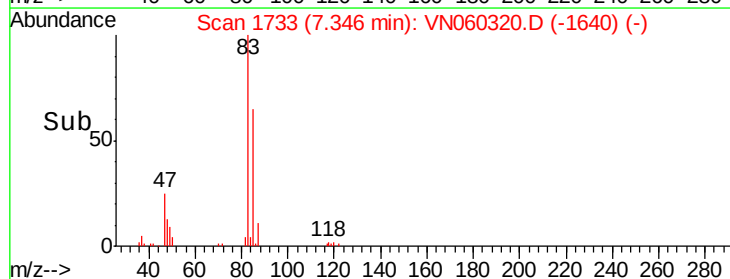
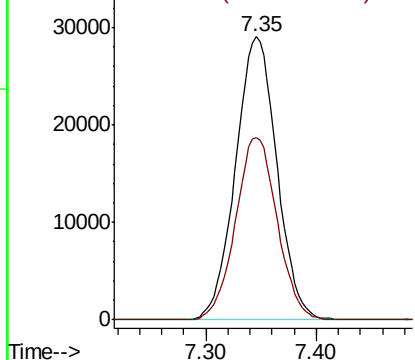


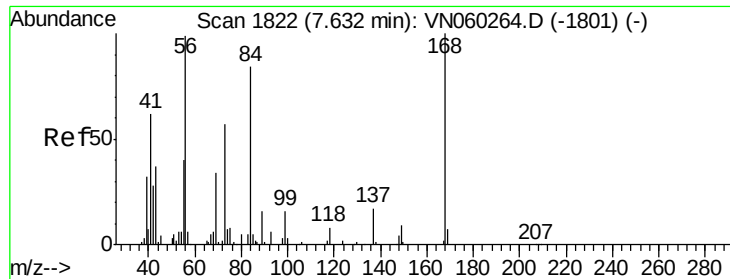
#30
Chloroform
Concen: 18.773 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 83 Resp: 75423
Ion Ratio Lower Upper
83 100
85 64.5 51.4 77.2



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

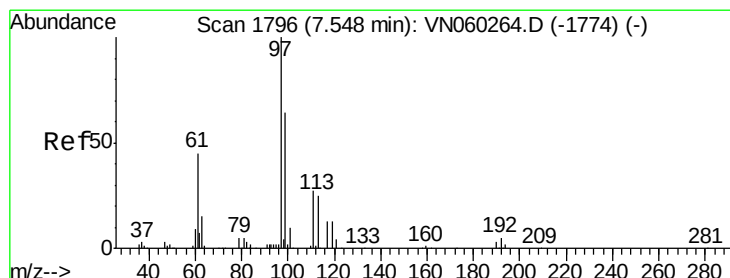
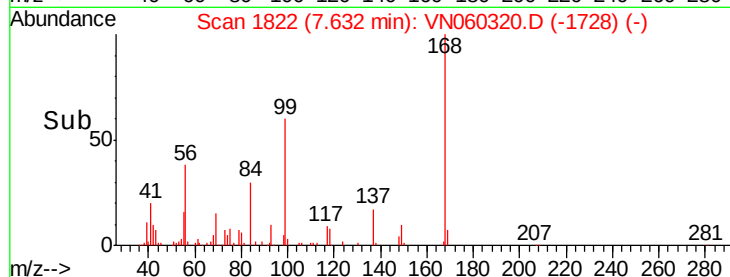
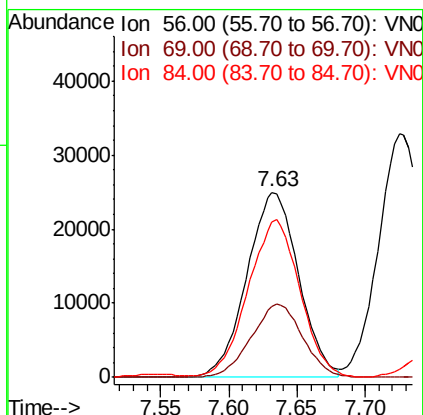
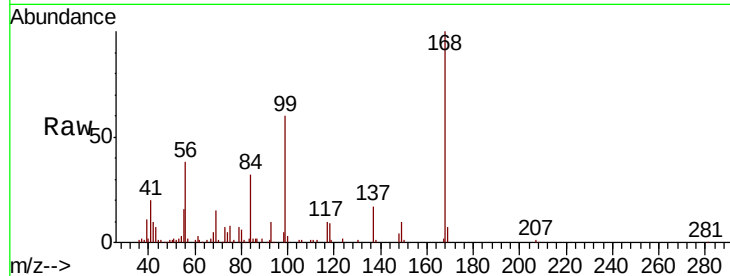




#31
Cyclohexane
Concen: 18.226 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

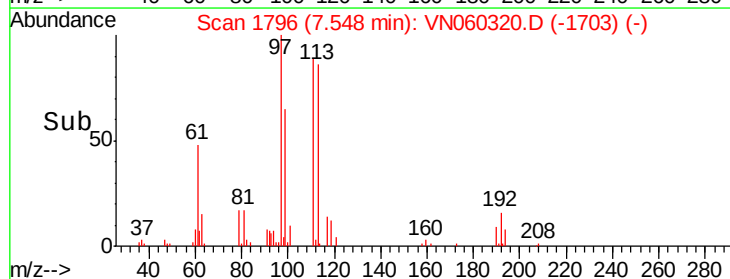
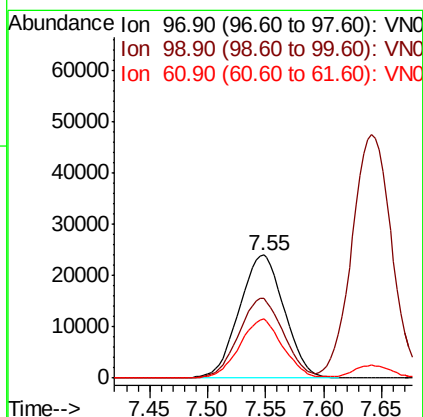
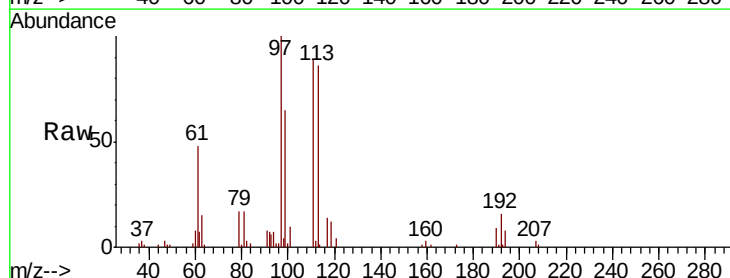
Instrument :
MSVOA_N
ClientSampled :

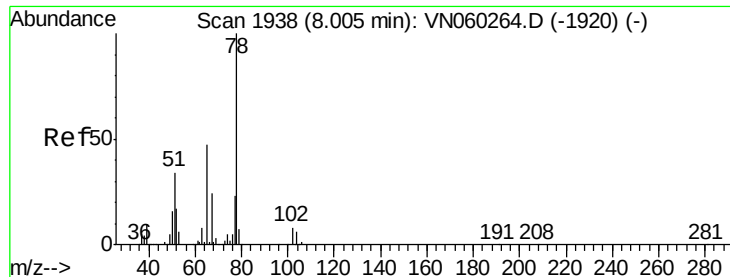
Tot Ion: 56 Resp: 65706
Ion Ratio Lower Upper
56 100
69 38.5 27.2 40.8
84 82.8 66.7 100.1



#32
1,1,1-Trichloroethane
Concen: 18.225 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 97 Resp: 64874
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 46.1 36.6 55.0

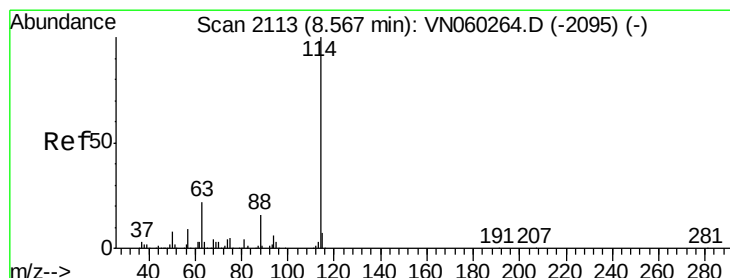
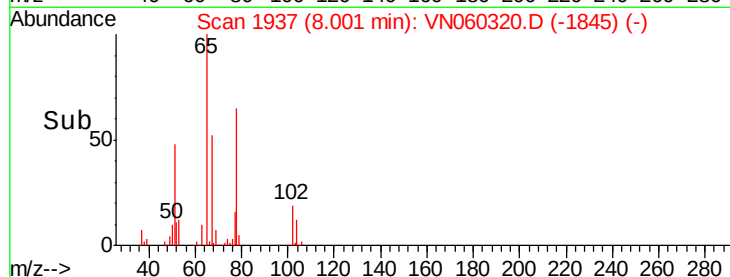
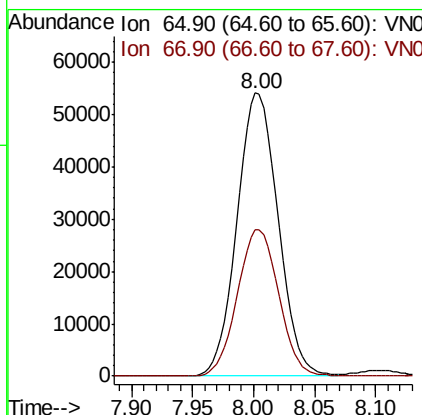
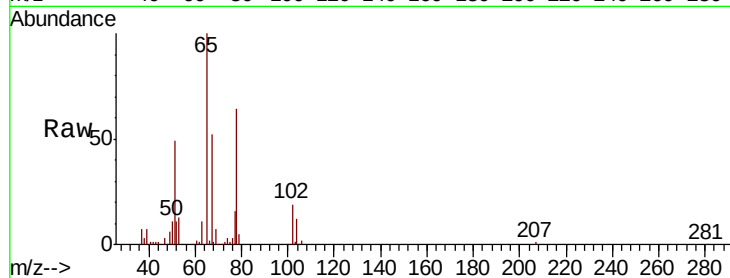




#33
 1,2-Dichloroethane-d4
 Concen: 49.552 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

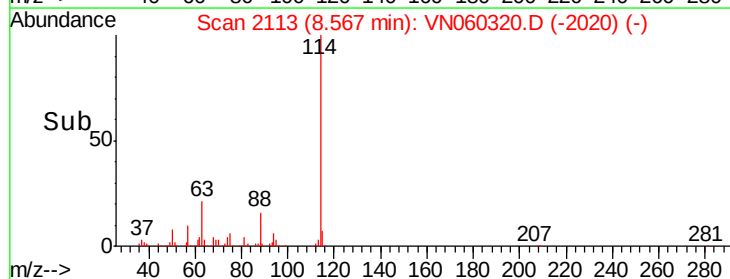
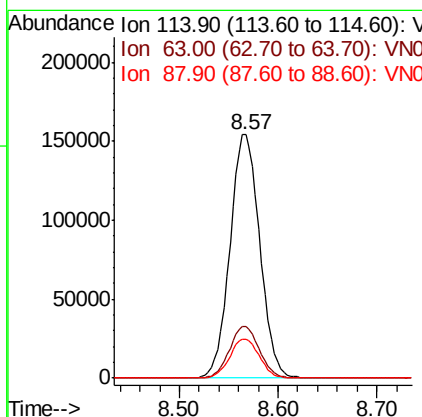
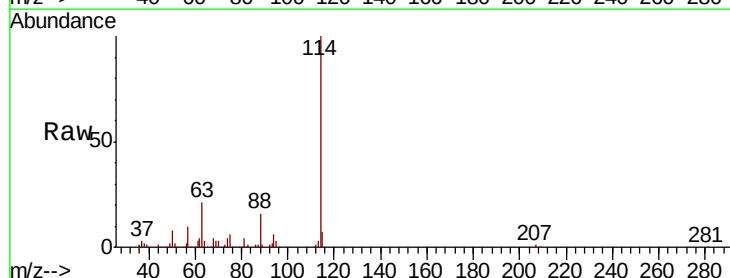
Instrument :
 MSVOA_N
 ClientSampled :

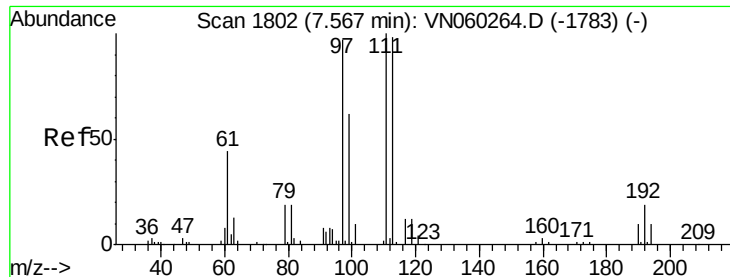
Tot Ion: 65 Resp: 126329
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion: 114 Resp: 324692
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.1 0.0 31.6

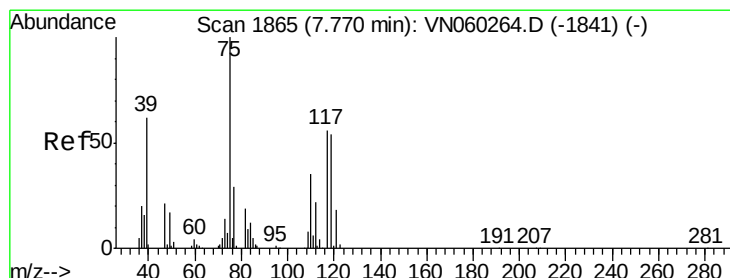
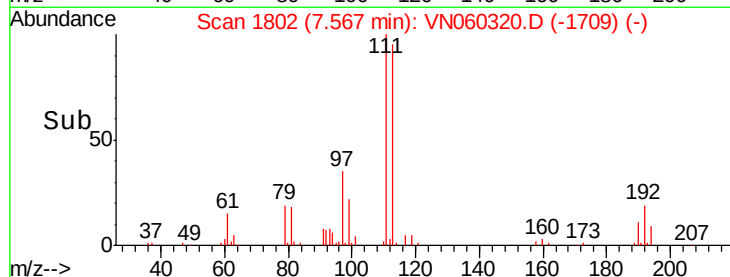
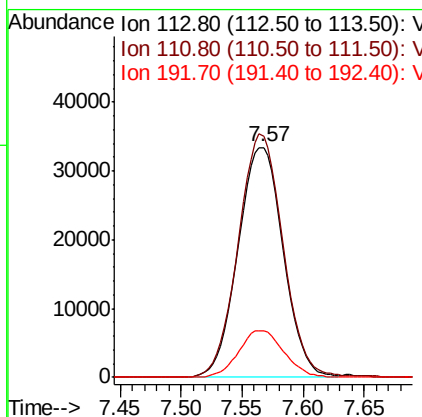
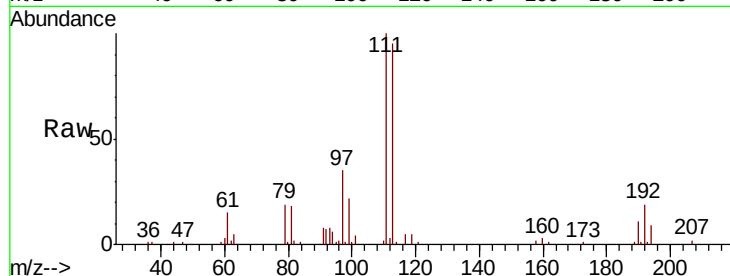




#35
 Dibromofluoromethane
 Concen: 57.003 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

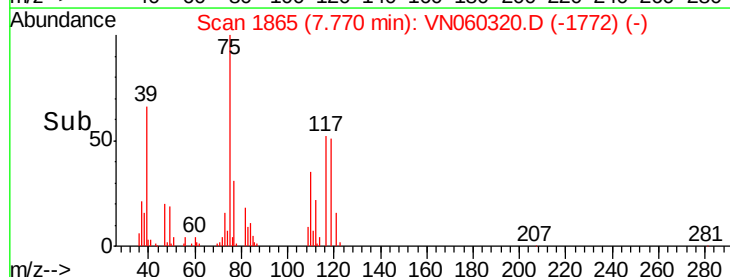
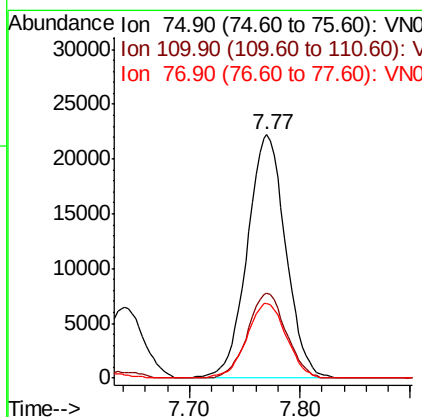
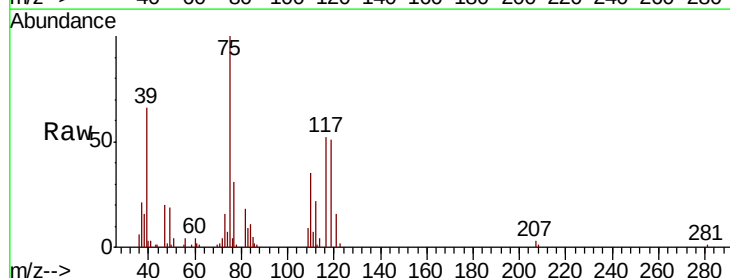
Instrument :
 MSVOA_N
 ClientSampleId :

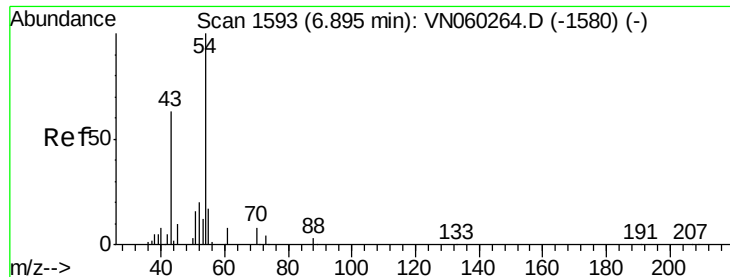
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.4	123.6
192	20.2	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 17.322 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	52.0
77	31.6	24.2	36.2

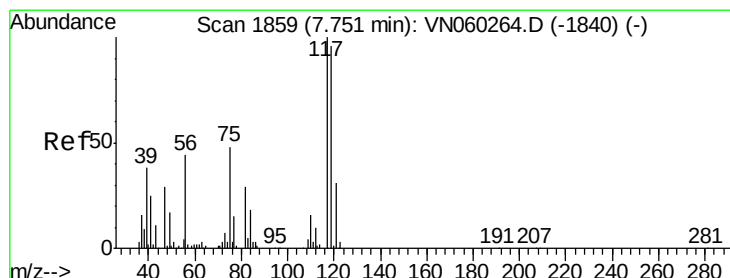
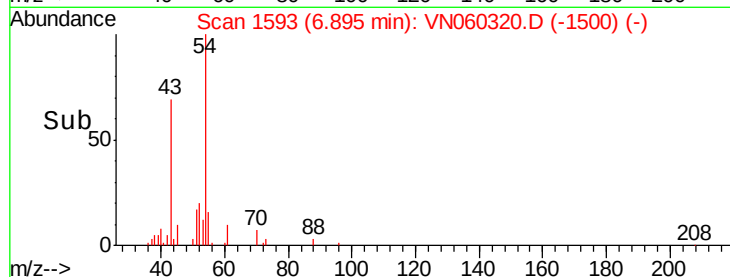
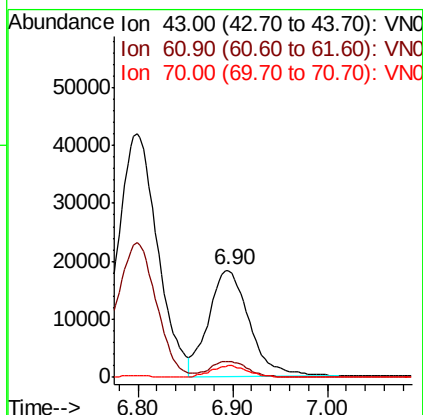
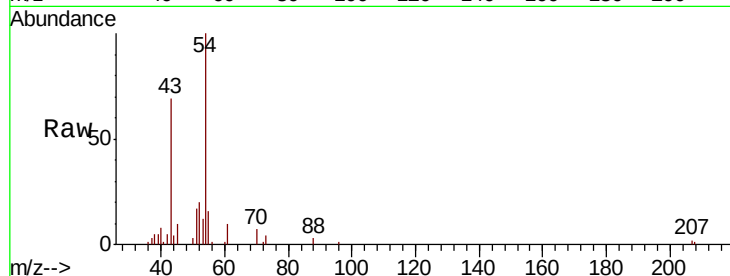




#37
Ethyl Acetate
Concen: 18.793 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

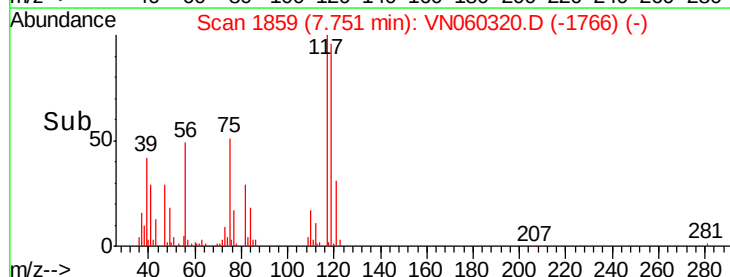
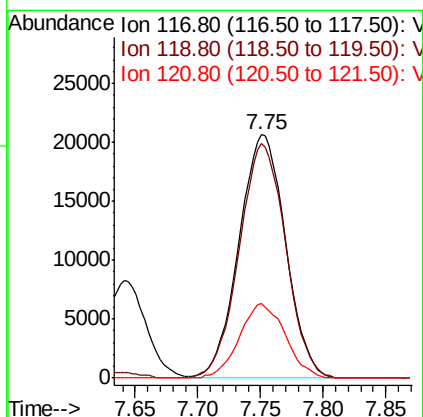
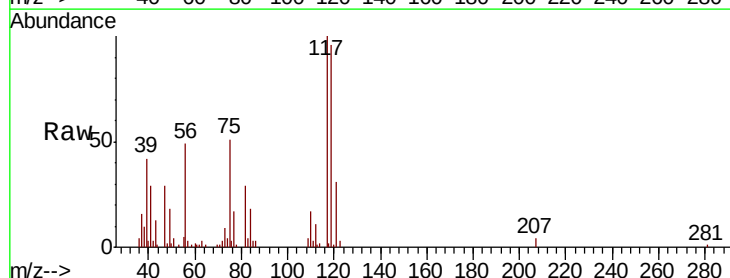
Instrument :
MSVOA_N
ClientSampled :

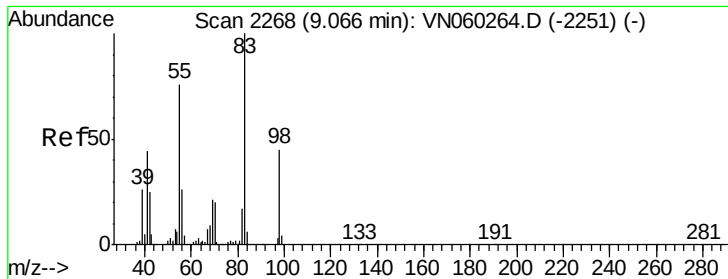
Tot Ion: 43 Resp: 55066
Ion Ratio Lower Upper
43 100
61 13.9 11.1 16.7
70 9.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 17.722 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 117 Resp: 53394
Ion Ratio Lower Upper
117 100
119 96.4 76.7 115.1
121 30.5 24.5 36.7

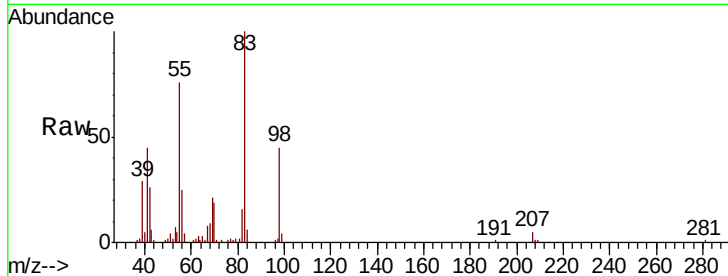




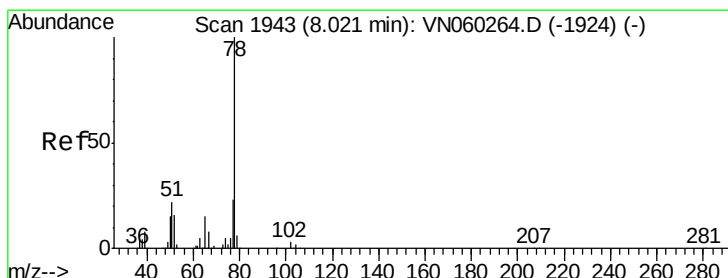
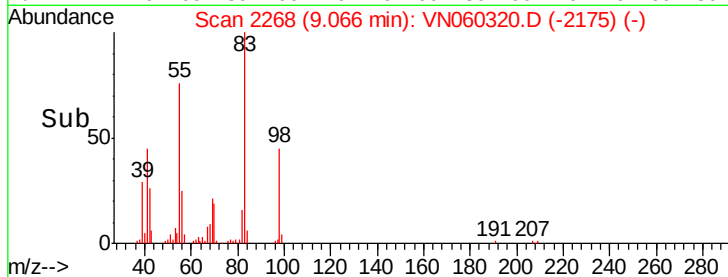
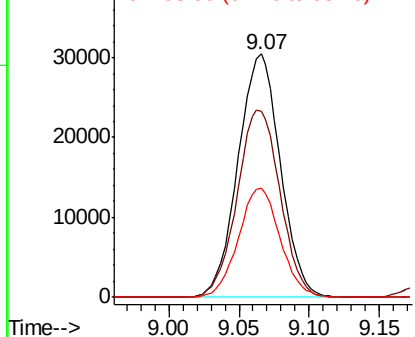
#39
Methylvlcyclohexane
Concen: 17.529 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 63955
Ion Ratio Lower Upper
83 100
55 76.5 61.0 91.4
98 44.7 36.1 54.1

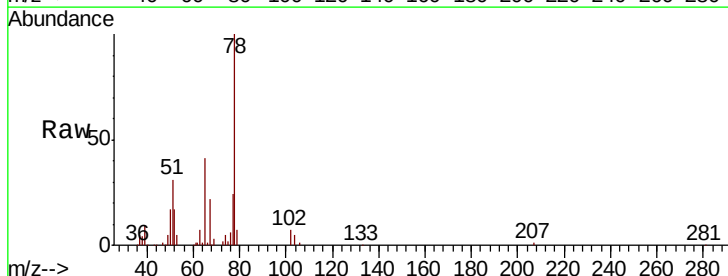


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

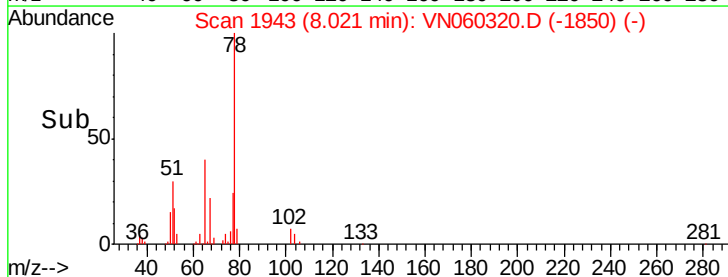
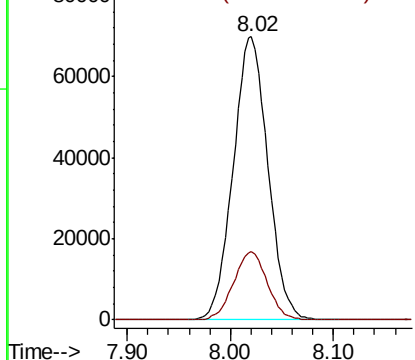


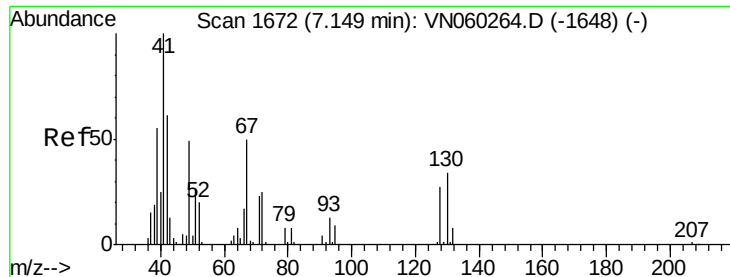
#40
Benzene
Concen: 18.133 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 78 Resp: 163317
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2



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

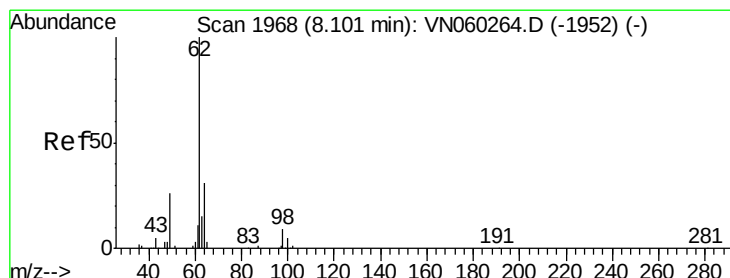
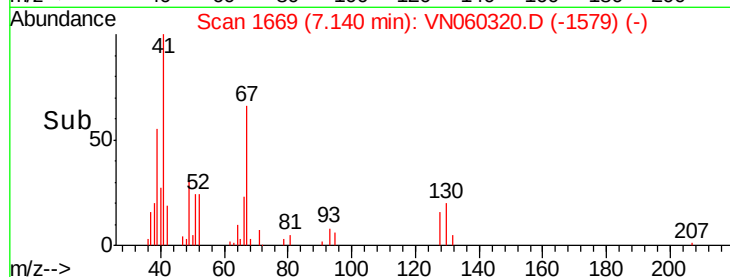
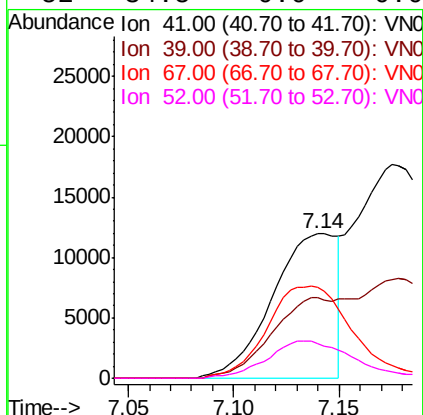
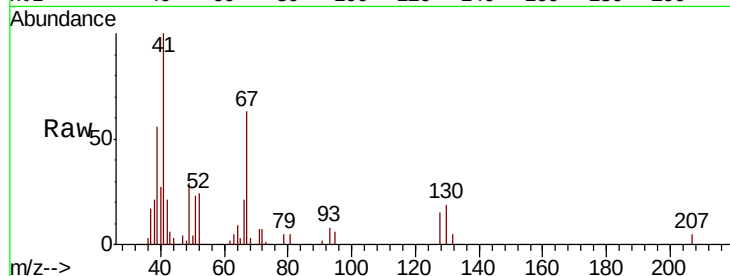




#41
Methacrylonitrile
Concen: 18.935 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

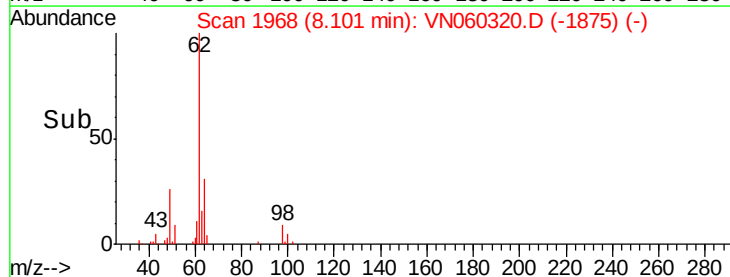
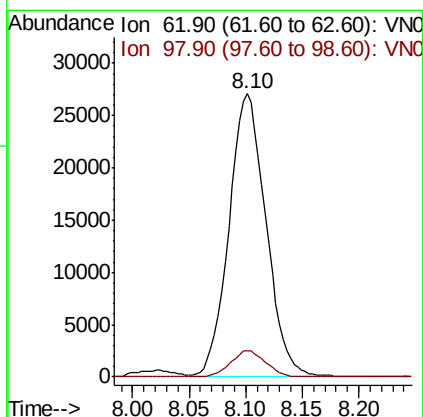
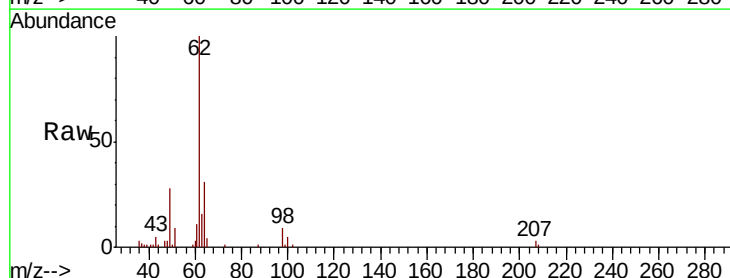
Instrument :
MSVOA_N
ClientSampleId :

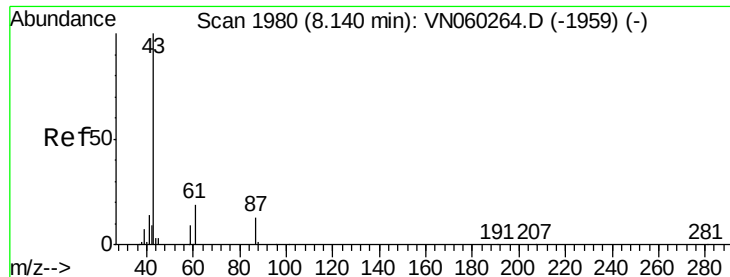
Tot Ion:	41	Resp:	25618
Ion	Ratio	Lower	Upper
41	100		
39	50.4	0.0	0.0#
67	83.5	0.0	0.0#
52	34.5	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.005 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion:	62	Resp:	61767
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.628 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

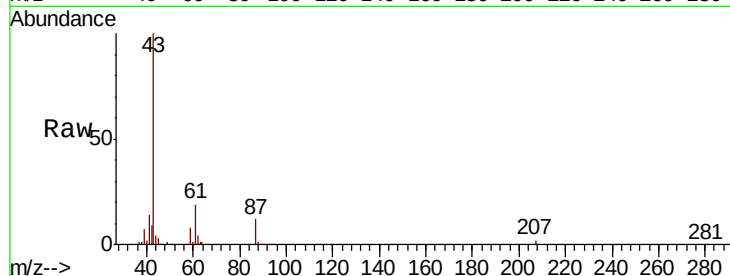
Tot Ion: 43 Resp: 95557

Ion Ratio Lower Upper

43 100

61 26.1 20.9 31.3

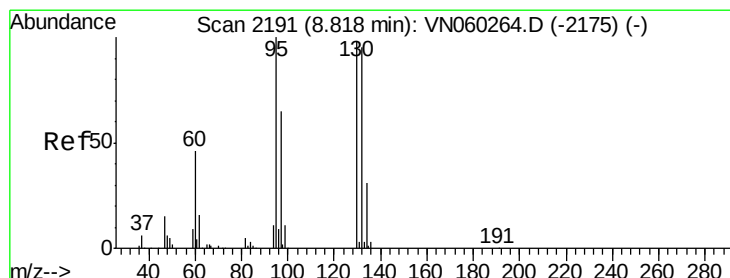
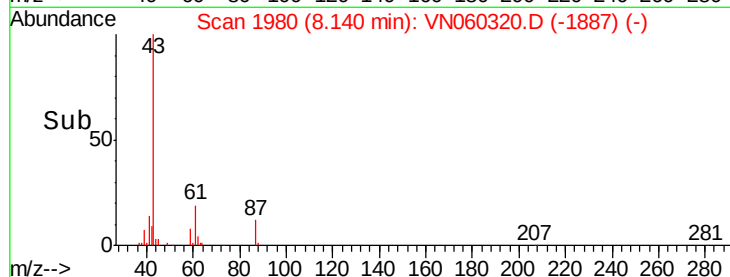
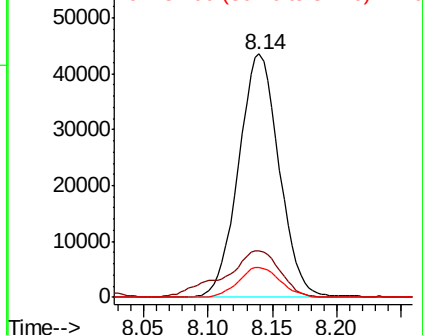
87 12.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060320.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060320.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060320.D (-1959) (-)



#44

Trichloroethene

Concen: 17.781 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060320.D

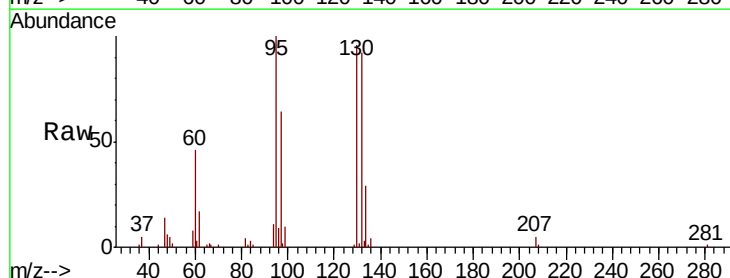
Acq: 3 Mar 2020 11:40

Tgt Ion:130 Resp: 44602

Ion Ratio Lower Upper

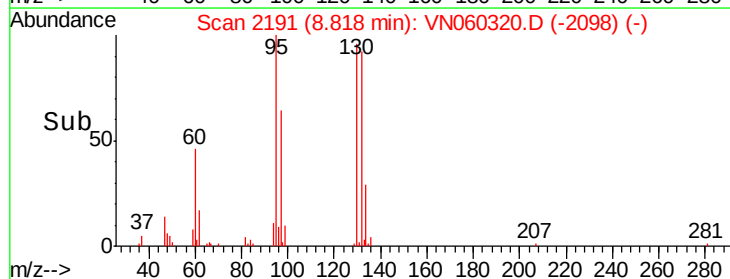
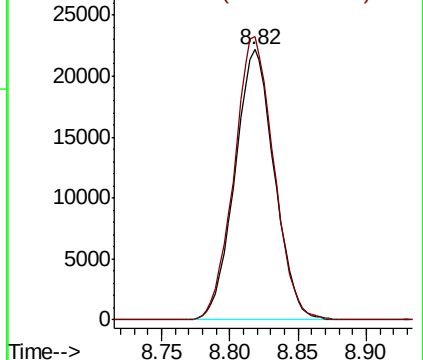
130 100

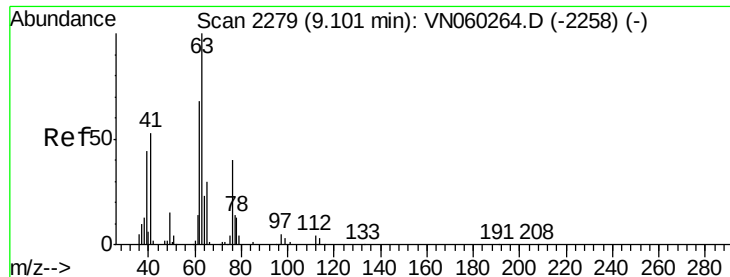
95 104.7 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060320.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060320.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 18.896 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

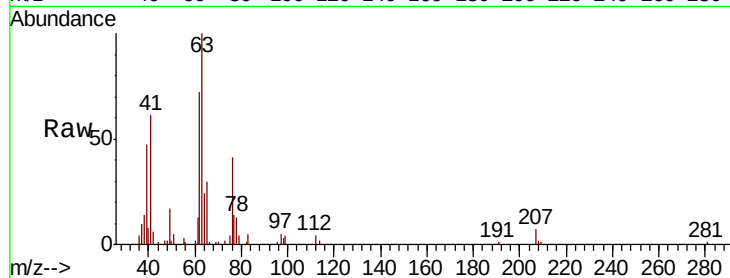
ClientSampled :

Tot Ion: 63 Resp: 44497

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060320.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060320.D (-2186) (-)

9.10

25000

20000

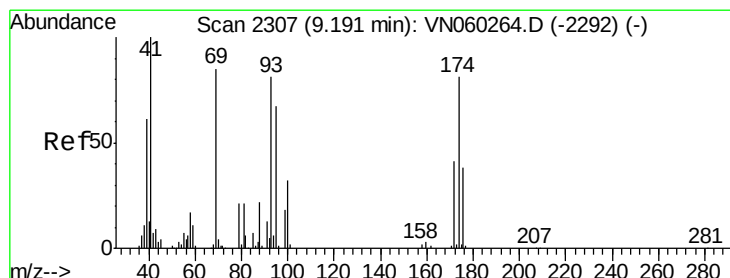
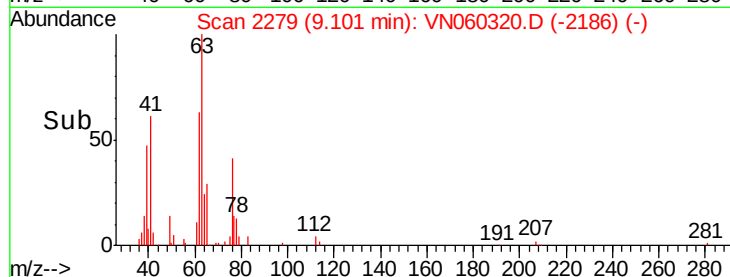
15000

10000

5000

0

Time--> 9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 18.406 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

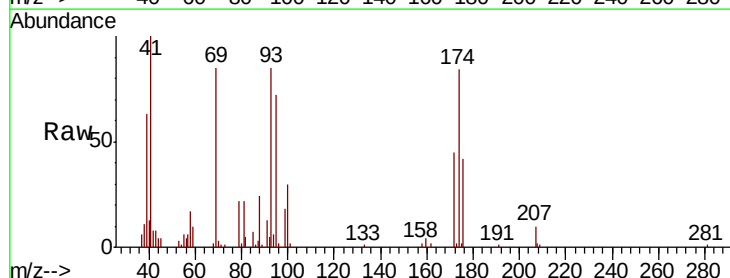
Tgt Ion: 93 Resp: 28123

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

174 97.1 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VN060320.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060320.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060320.D (-2214) (-)

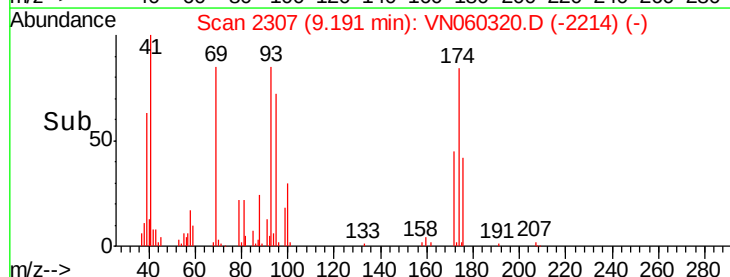
15000

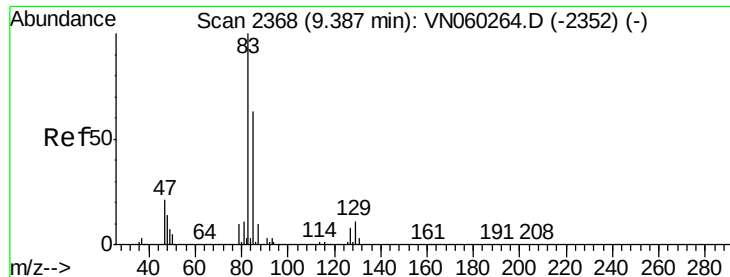
10000

5000

0

Time--> 9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 19.116 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :

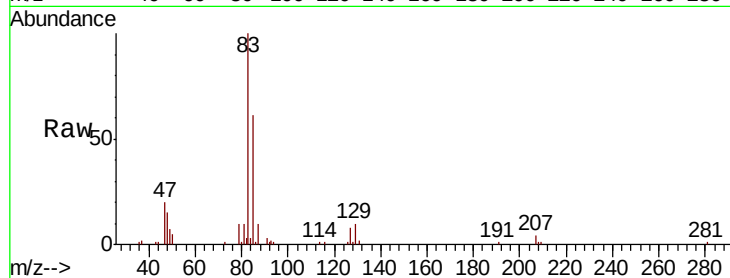
Tot Ion: 83 Resp: 59406

Ion Ratio Lower Upper

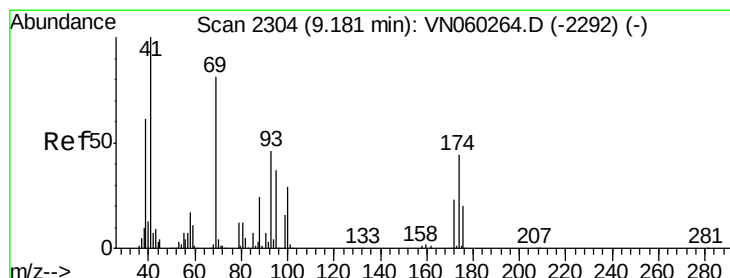
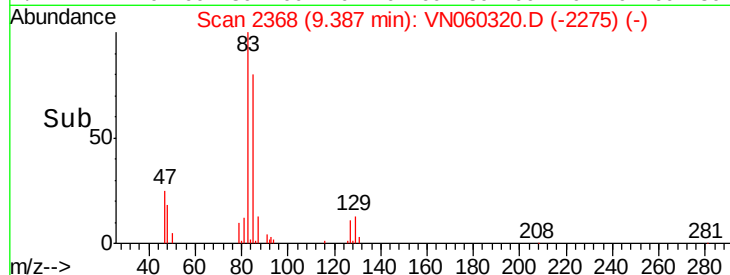
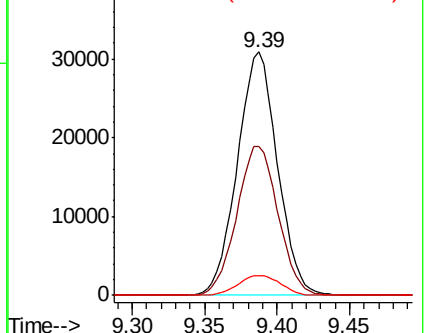
83 100

85 61.4 50.7 76.1

127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 17.880 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

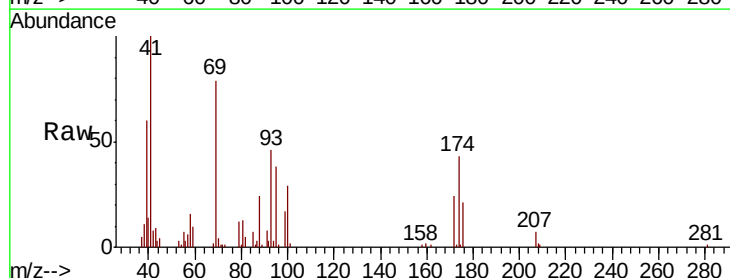
Tgt Ion: 41 Resp: 41825

Ion Ratio Lower Upper

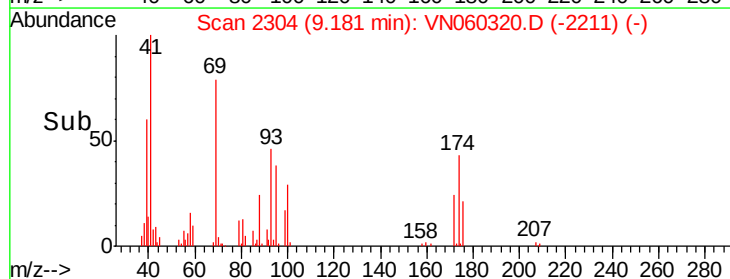
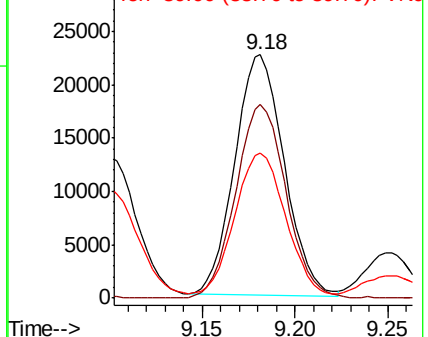
41 100

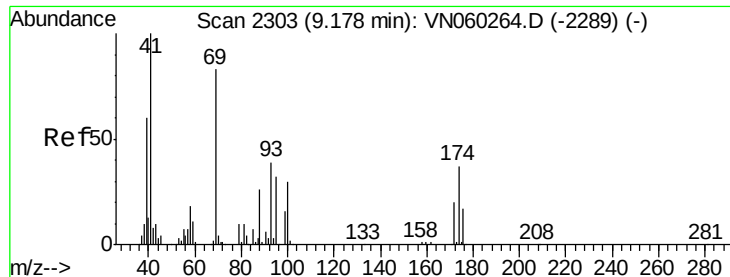
69 82.1 66.7 100.1

39 60.3 50.1 75.1



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

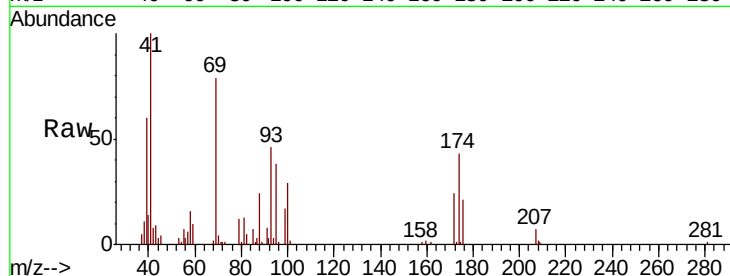




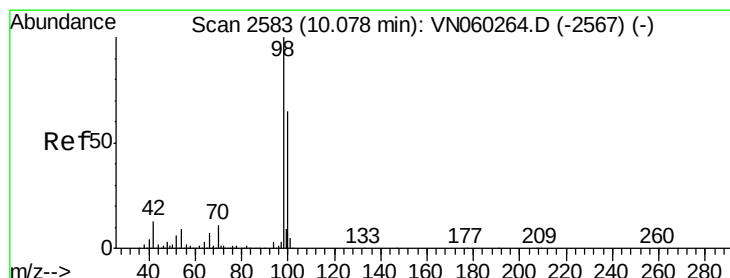
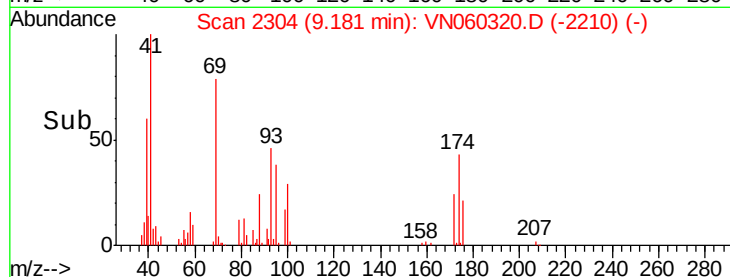
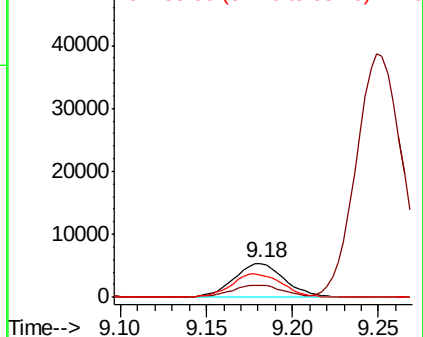
#49
1,4-Dioxane
Concen: 332.391 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 10934
Ion Ratio Lower Upper
88 100
43 36.8 30.4 45.6
58 69.5 57.0 85.6

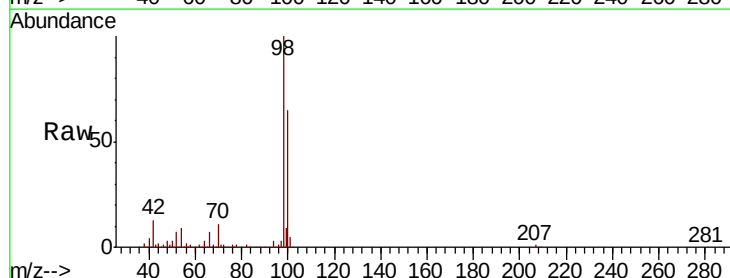


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

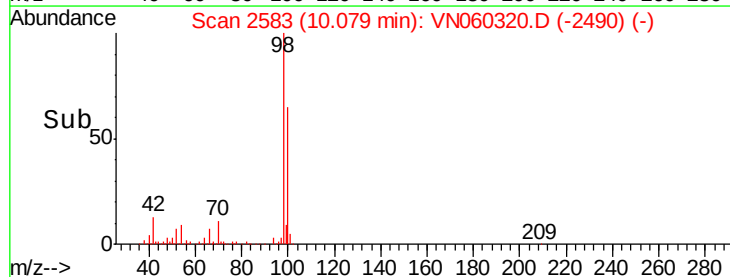
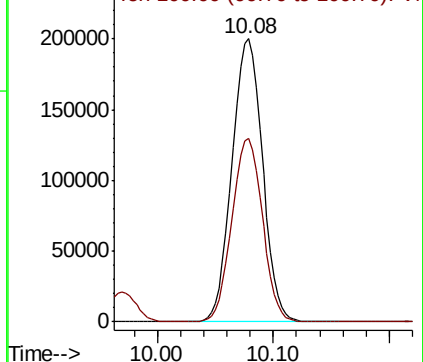


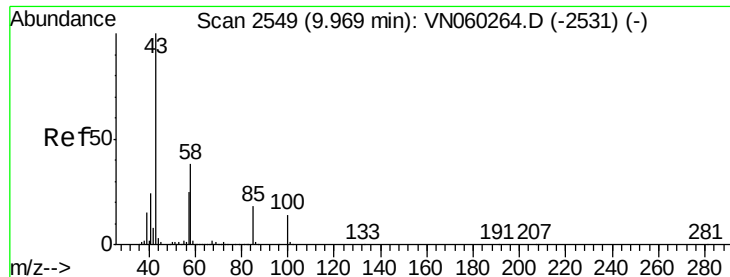
#50
Toluene-d8
Concen: 47.793 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 98 Resp: 364550
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



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

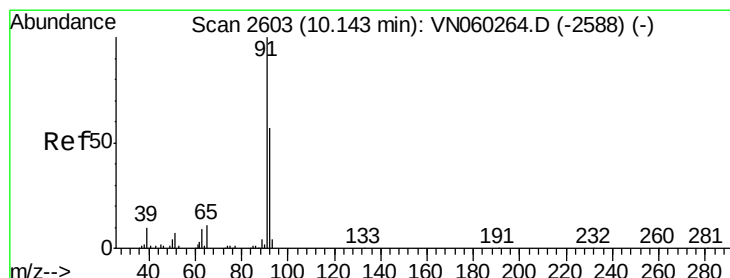
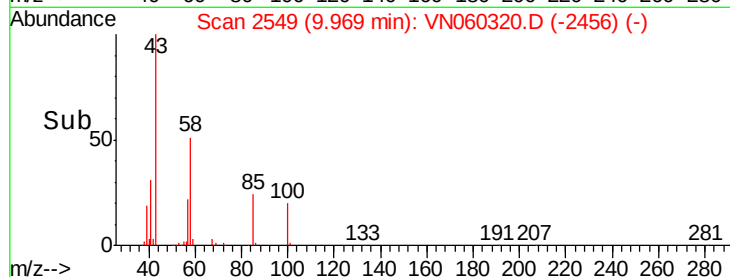
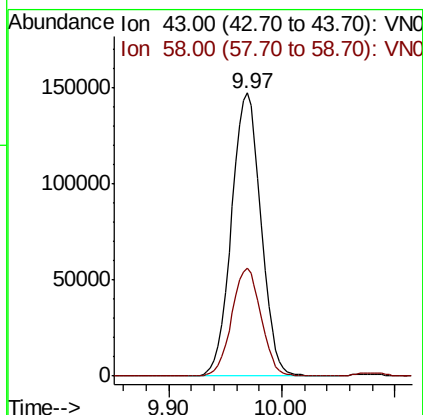
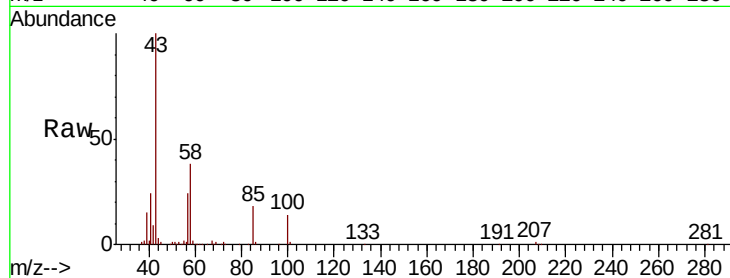




#51
 4-Methyl-2-Pentanone
 Concen: 91.886 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

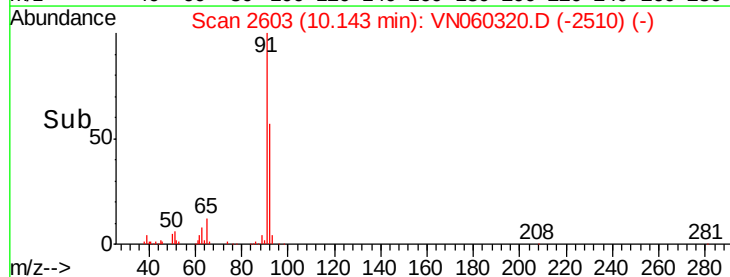
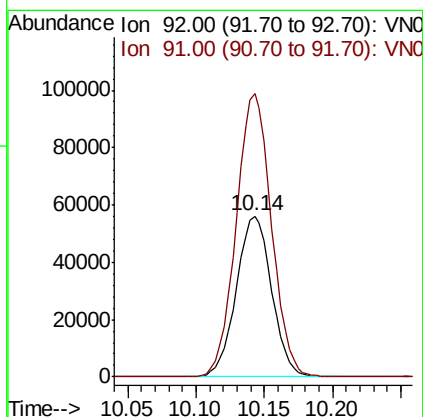
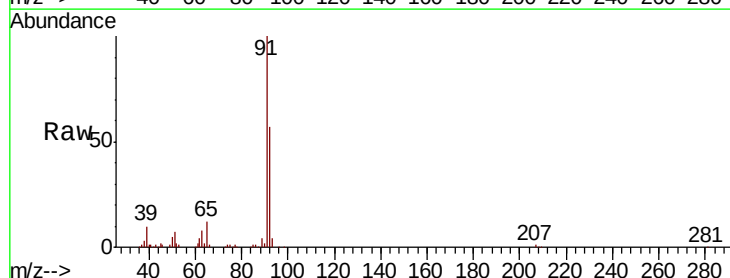
Instrument :
 MSVOA_N
 ClientSampled :

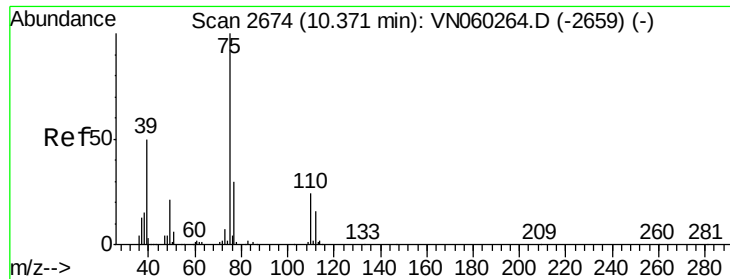
Tot Ion: 43 Resp: 267241
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.9 46.3



#52
 Toluene
 Concen: 17.840 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion: 92 Resp: 100930
 Ion Ratio Lower Upper
 92 100
 91 175.6 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 17.971 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

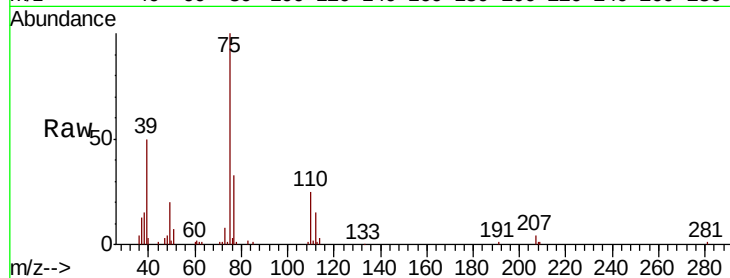
ClientSampleId :

Tot Ion: 75 Resp: 68430

Ion Ratio Lower Upper

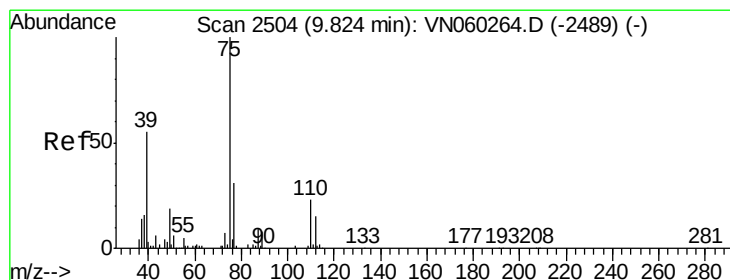
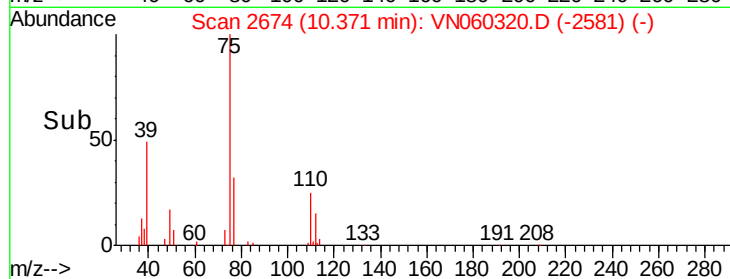
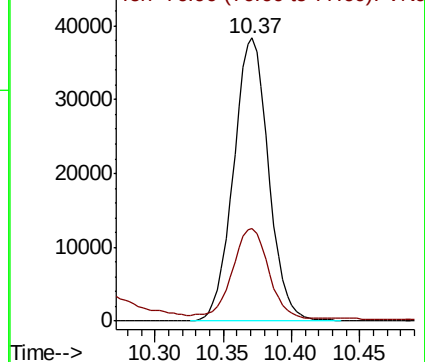
75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.261 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

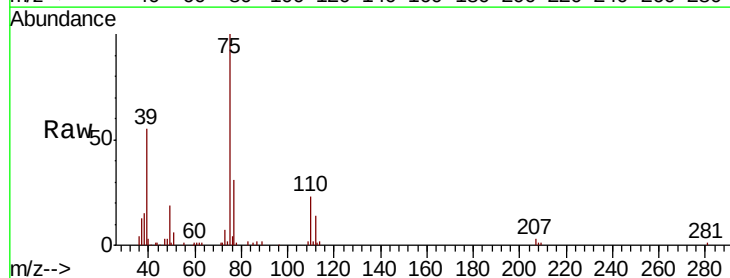
Tgt Ion: 75 Resp: 72054

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

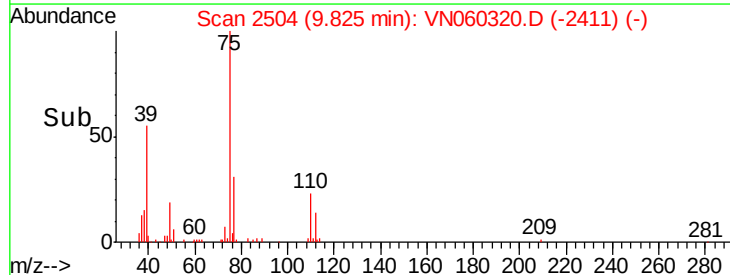
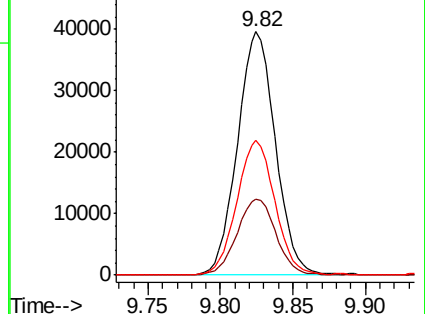
39 55.1 43.8 65.8

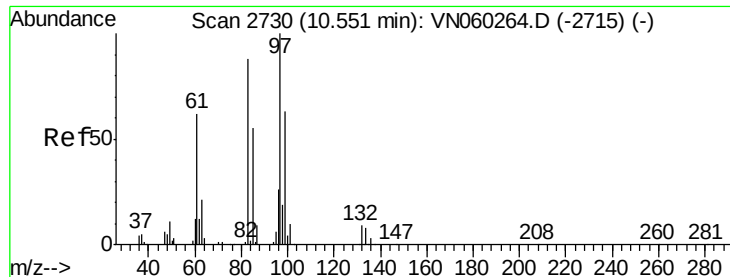


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.355 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 41761

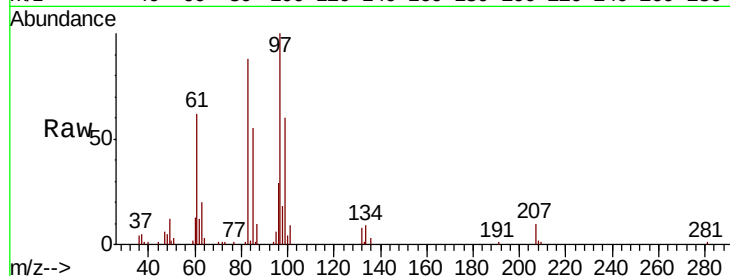
Ion Ratio Lower Upper

97 100

83 87.8 70.0 105.0

85 54.7 44.0 66.0

99 59.9 50.4 75.6

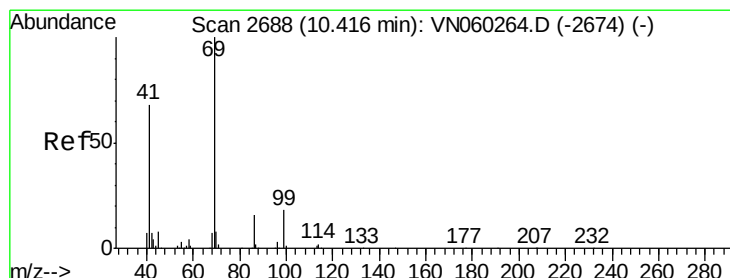
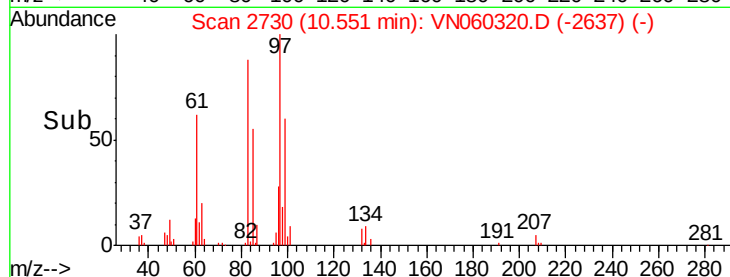
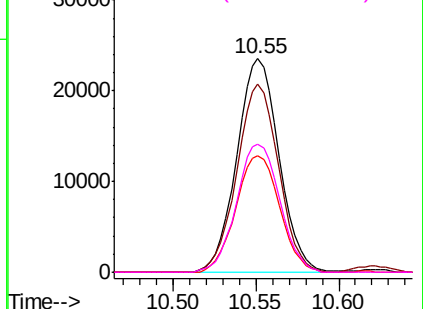


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.221 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

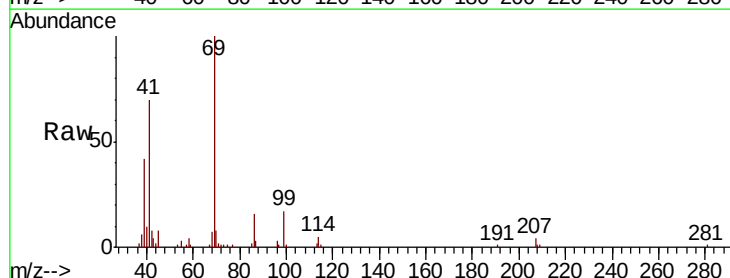
Tgt Ion: 69 Resp: 59559

Ion Ratio Lower Upper

69 100

41 70.5 54.1 81.1

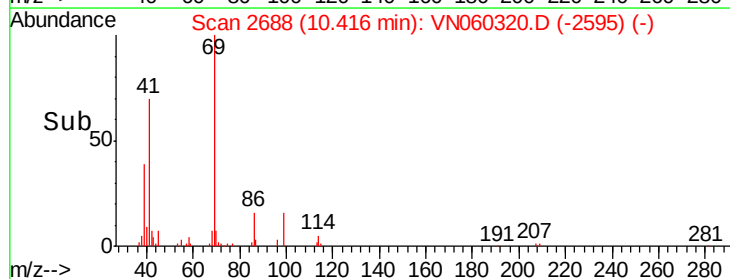
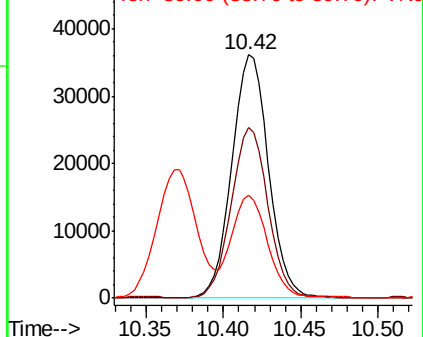
39 41.8 32.5 48.7

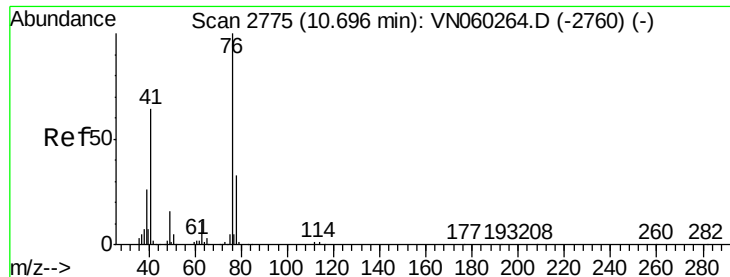


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.160 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

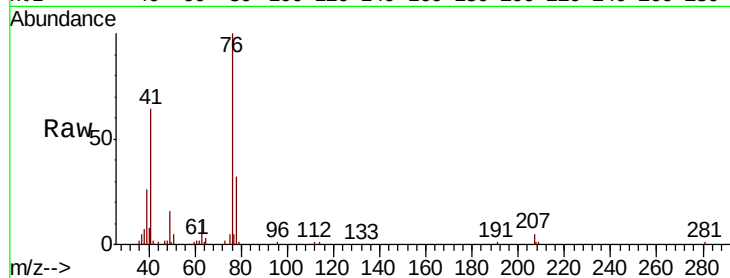
ClientSampleId :

Tot Ion: 76 Resp: 71092

Ion Ratio Lower Upper

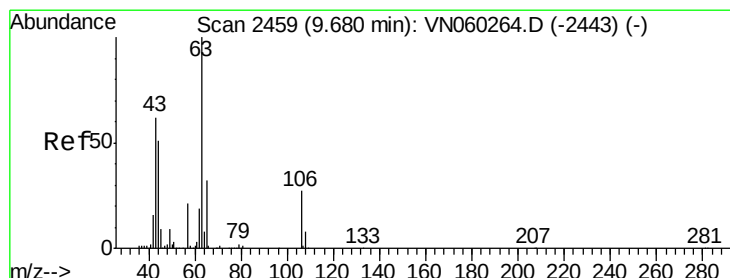
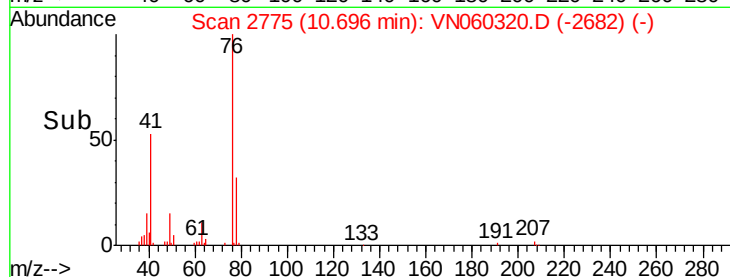
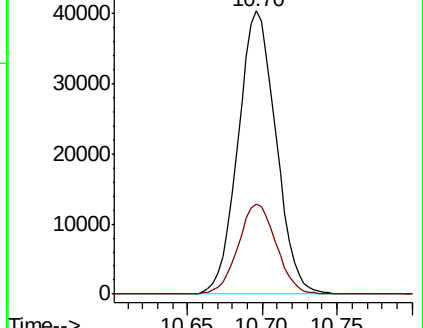
76 100

78 32.1 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060320.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN060320.D (-2760) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 87.839 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060320.D

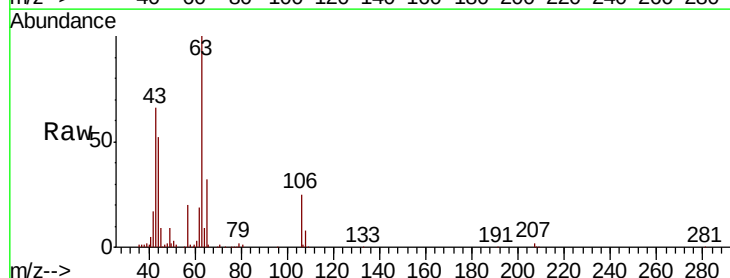
Acq: 3 Mar 2020 11:40

Tgt Ion: 63 Resp: 150164

Ion Ratio Lower Upper

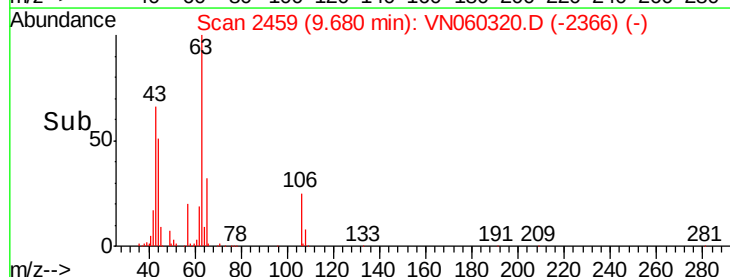
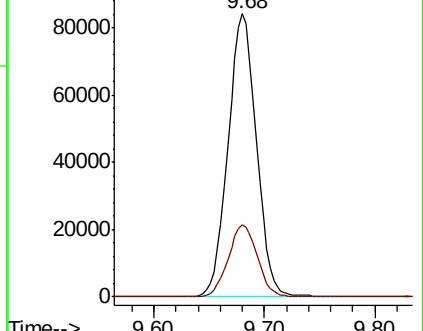
63 100

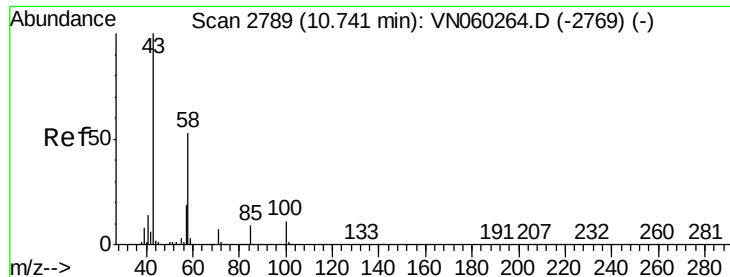
106 26.0 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060320.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060320.D (-2443) (-)

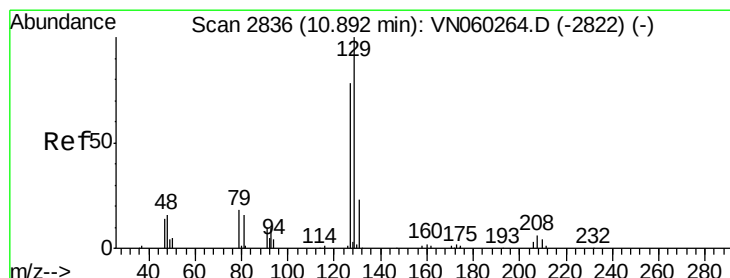
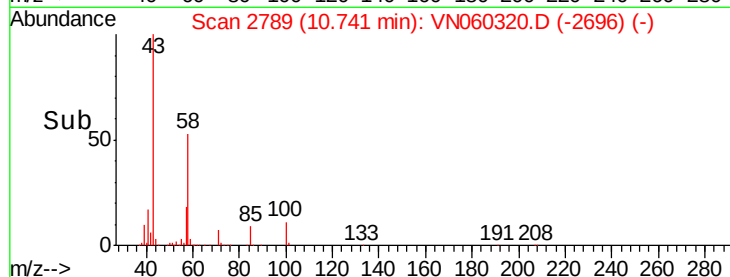
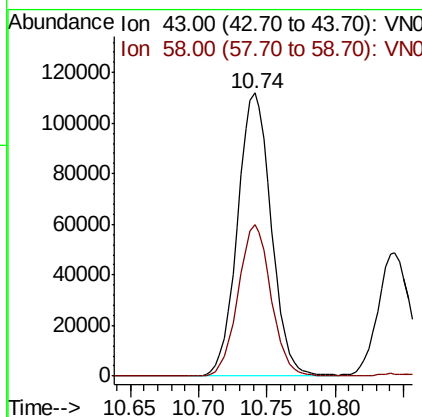
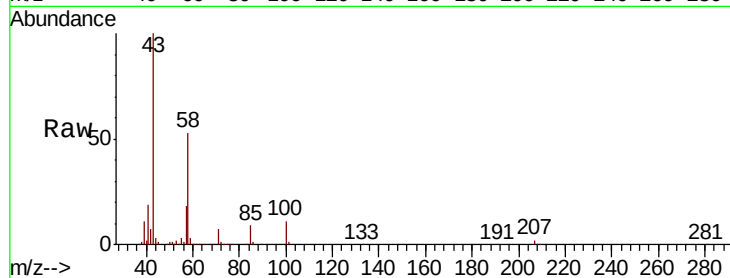




#59
2-Hexanone
Concen: 89.725 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

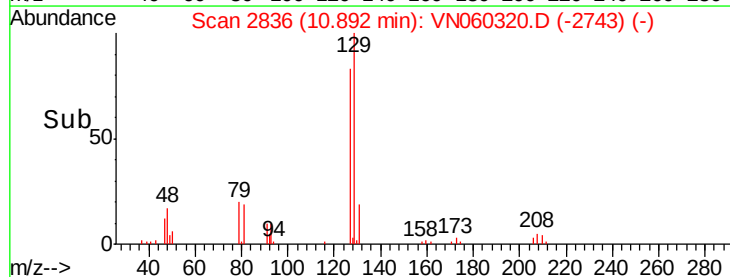
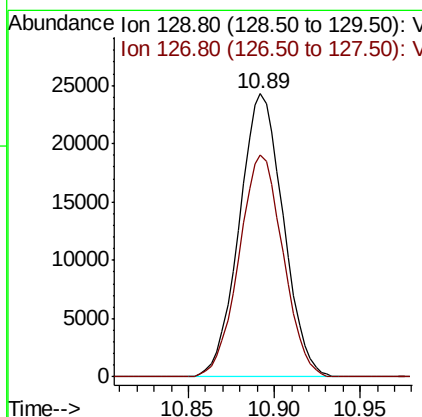
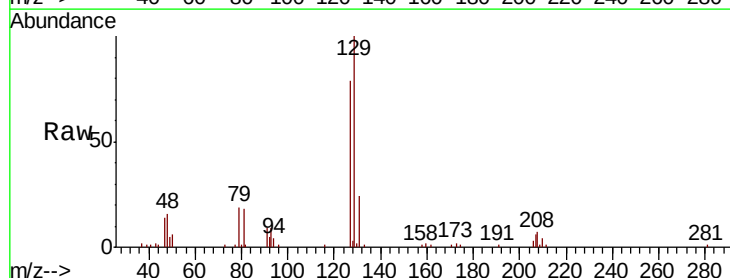
Instrument :
MSVOA_N
ClientSampleId :

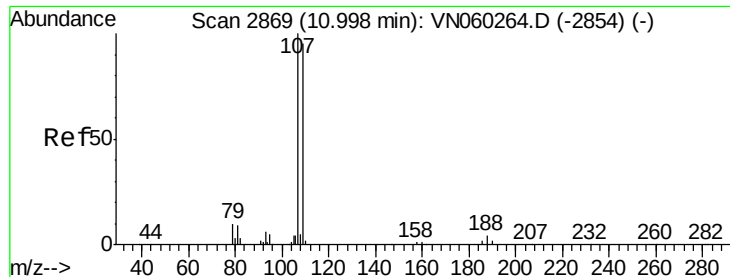
Tot Ion: 43 Resp: 191600
Ion Ratio Lower Upper
43 100
58 52.6 26.5 79.5



#60
Dibromochloromethane
Concen: 18.638 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 129 Resp: 43124
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7

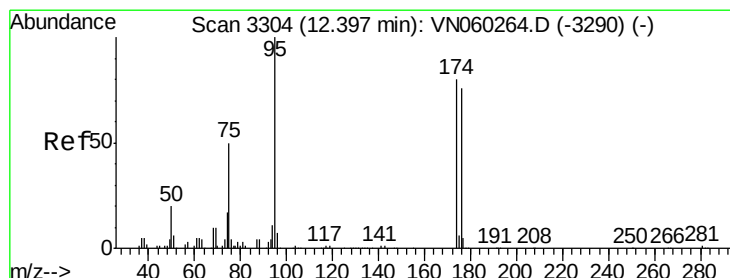
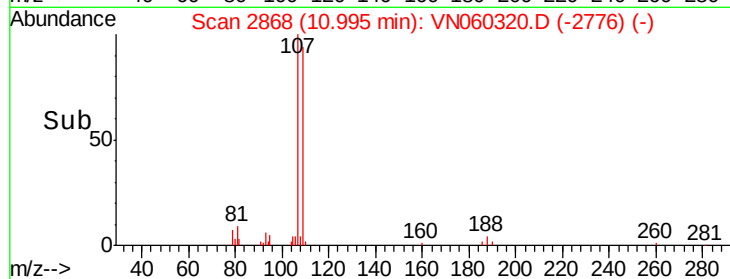
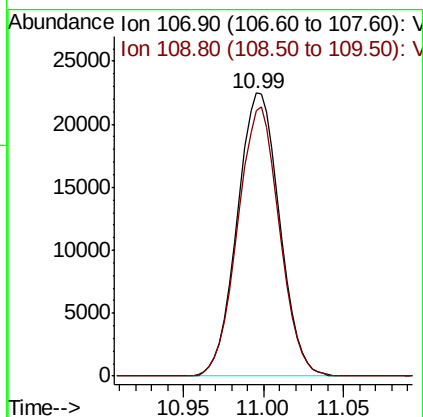
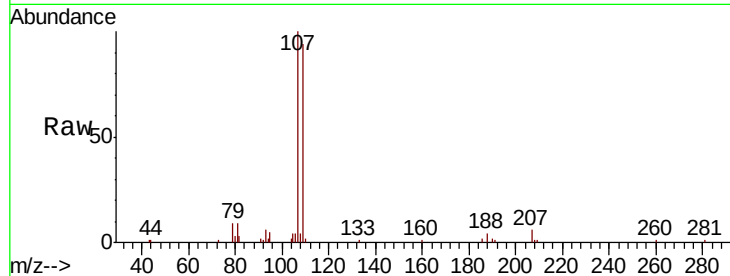




#61
 1,2-Dibromoethane
 Concen: 18.324 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

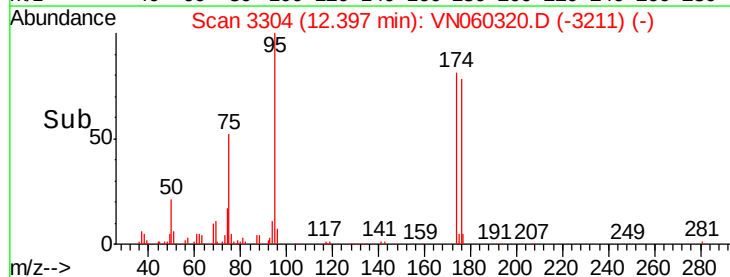
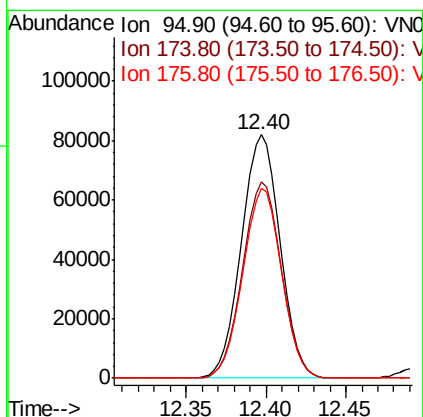
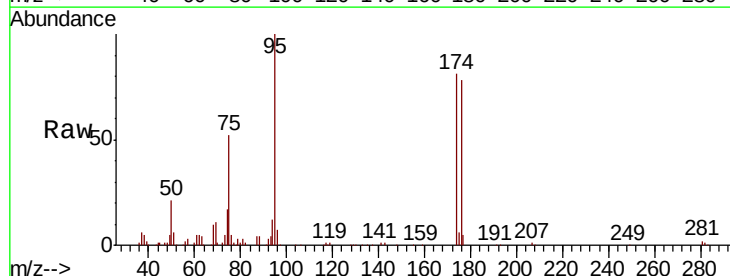
Instrument :
 MSVOA_N
 ClientSampled :

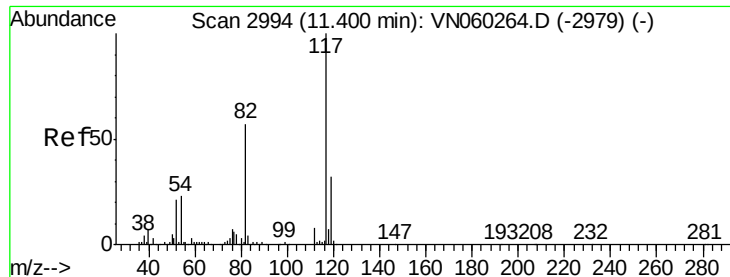
Tot Ion: 107 Resp: 40640
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 46.727 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion: 95 Resp: 135111
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 159.2
 176 78.3 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

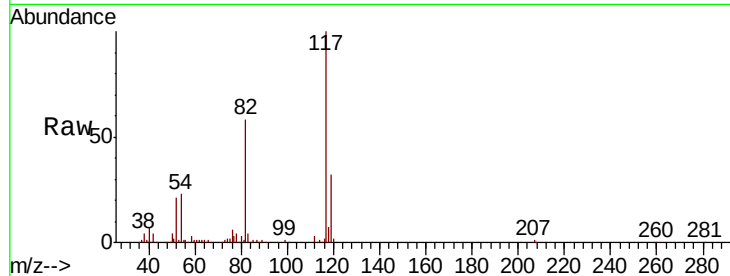
Tot Ion:117 Resp: 297618

Ion Ratio Lower Upper

117 100

82 58.3 45.8 68.6

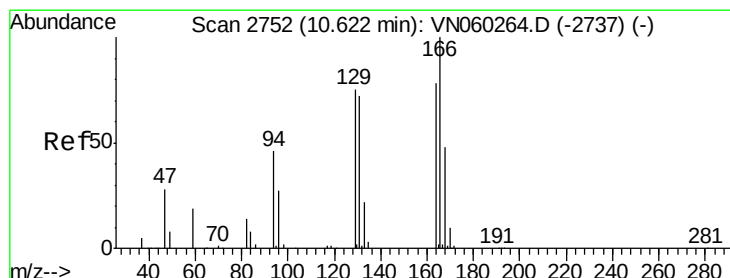
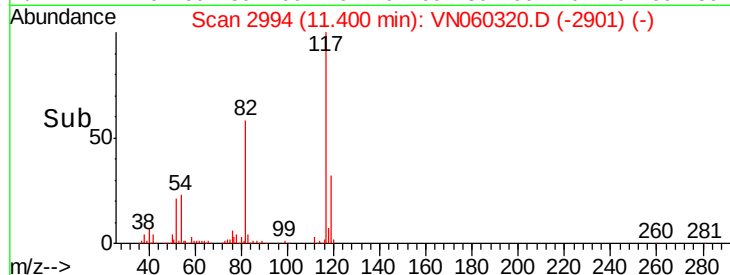
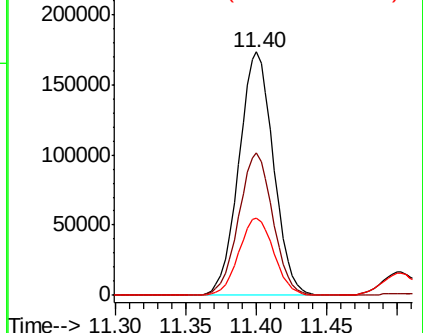
119 31.9 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.528 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:164 Resp: 47779

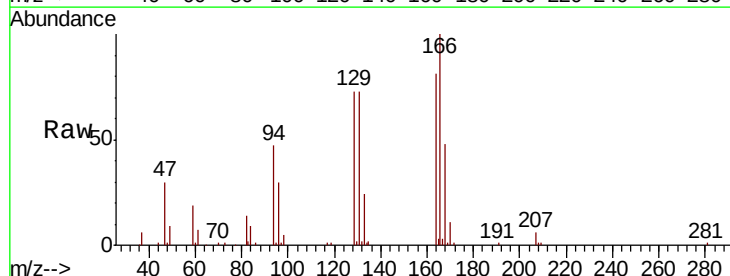
Ion Ratio Lower Upper

164 100

166 124.0 102.0 153.0

129 90.9 76.4 114.6

131 90.1 73.6 110.4

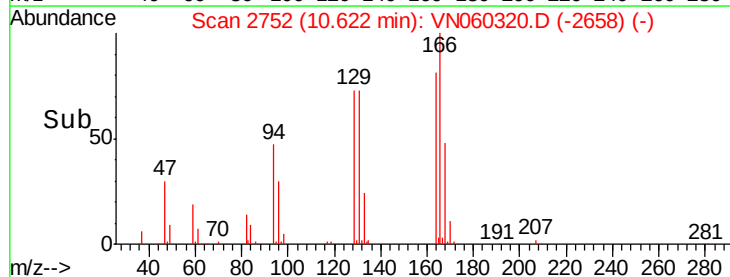
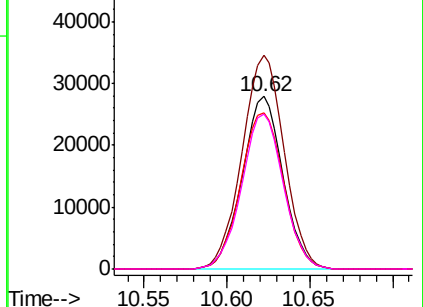


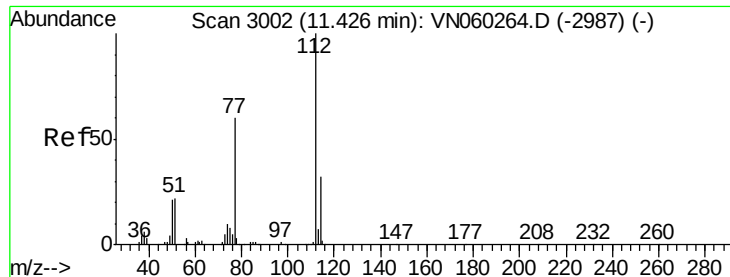
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 17.892 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

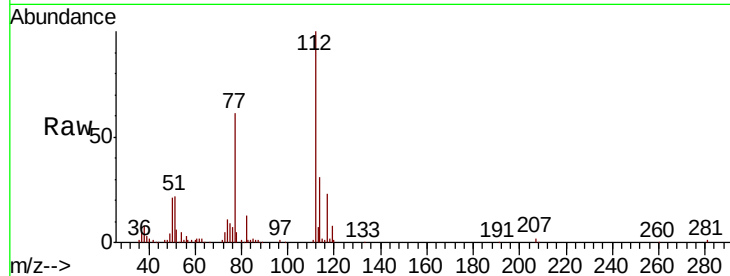
ClientSampleId :

Tot Ion:112 Resp: 107523

Ion Ratio Lower Upper

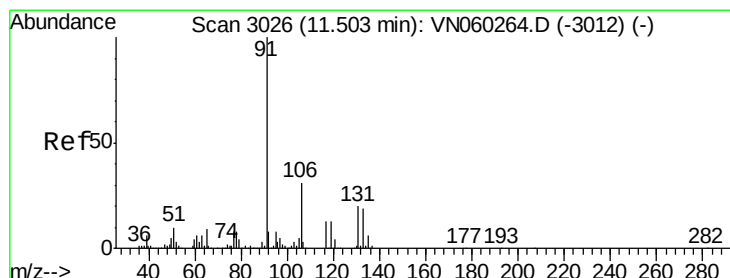
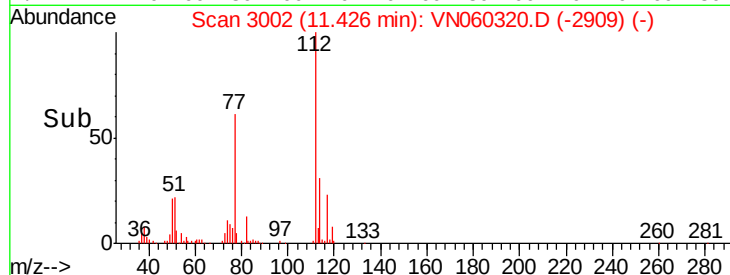
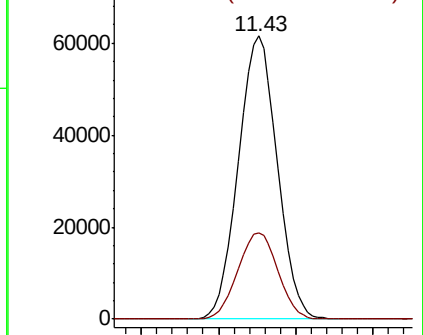
112 100

114 30.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.505 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

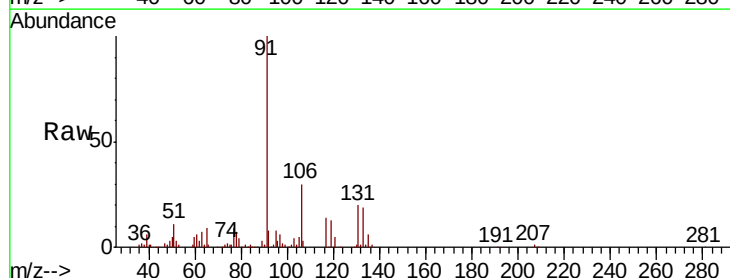
Tgt Ion:131 Resp: 41119

Ion Ratio Lower Upper

131 100

133 96.8 47.7 143.1

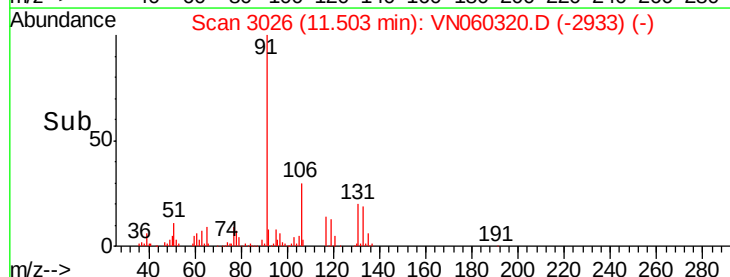
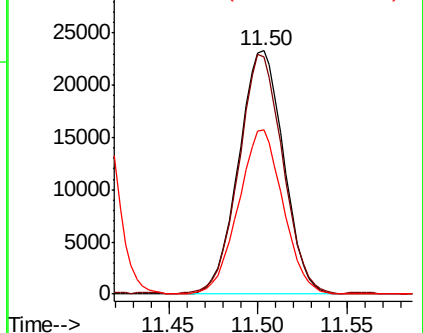
119 66.9 33.2 99.6

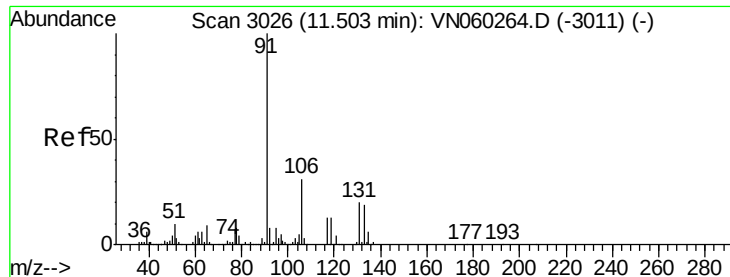


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.061 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

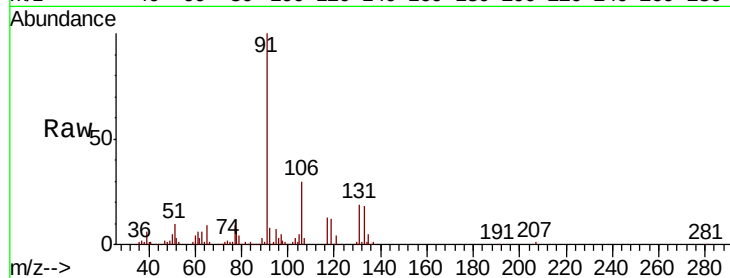
ClientSampled :

Tot Ion: 91 Resp: 197661

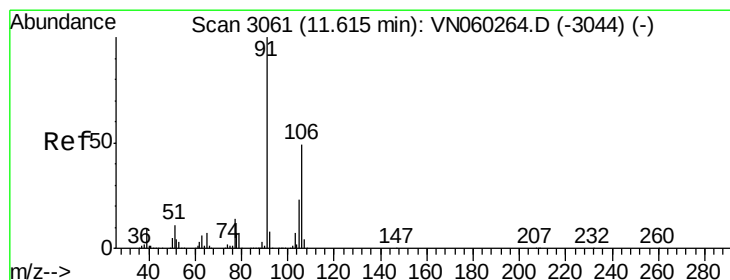
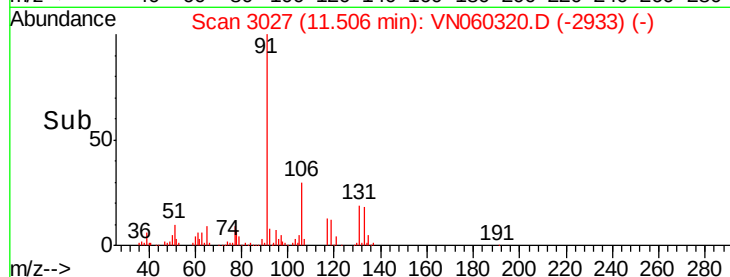
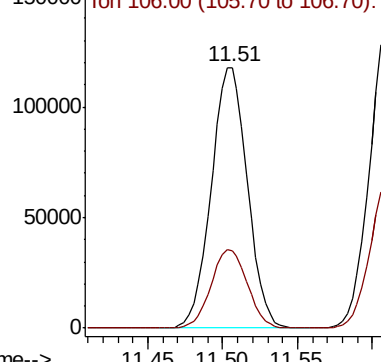
Ion Ratio Lower Upper

91 100

106 29.9 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060320.D (-2933) (-)



#68

m/p-Xylenes

Concen: 35.841 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060320.D

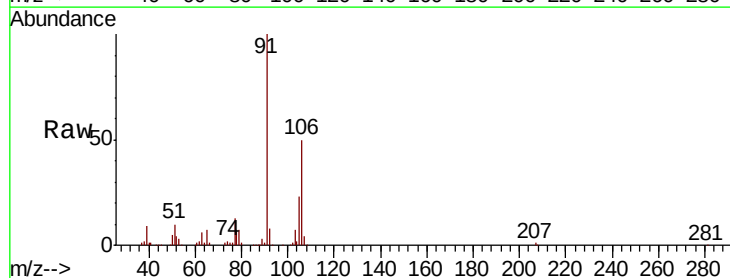
Acq: 3 Mar 2020 11:40

Tgt Ion: 106 Resp: 147992

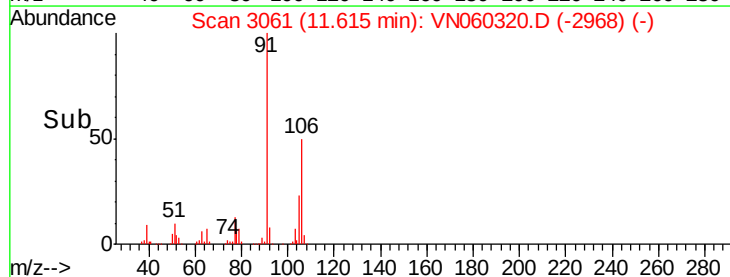
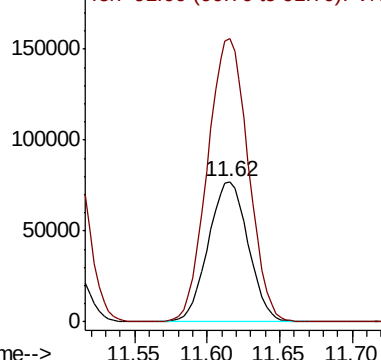
Ion Ratio Lower Upper

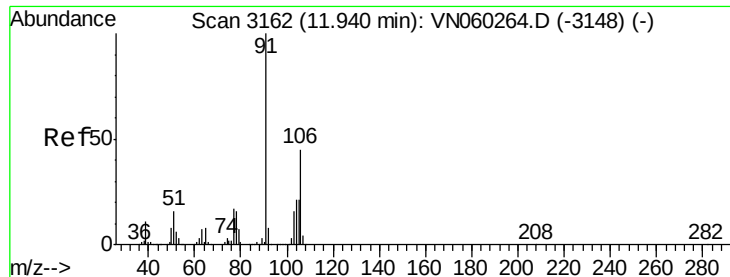
106 100

91 205.8 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060320.D (-2968) (-)

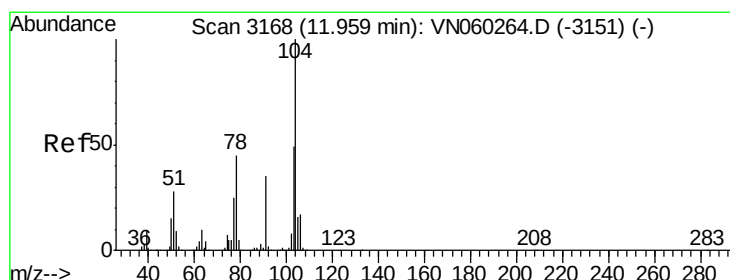
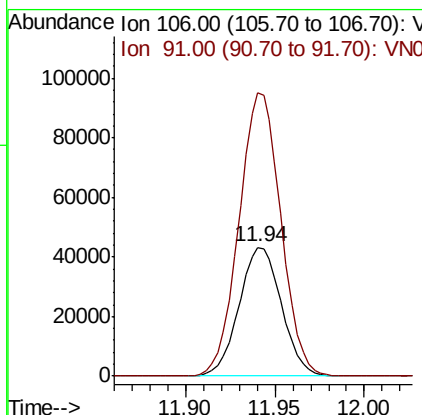
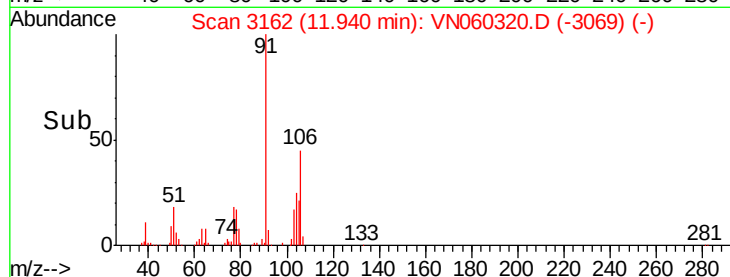
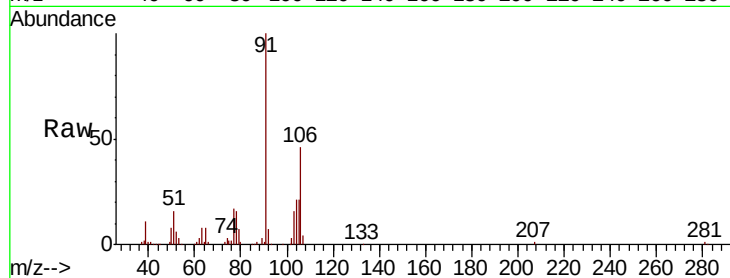




#69
o-Xylene
Concen: 18.230 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

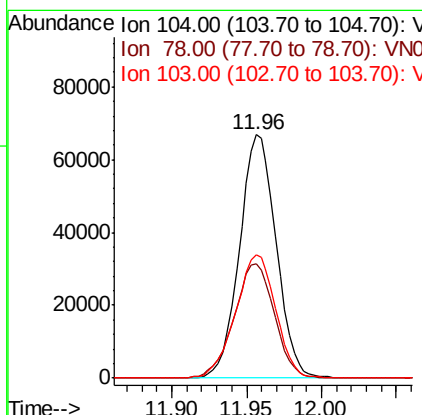
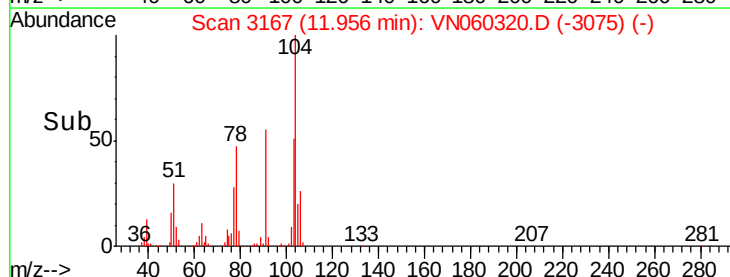
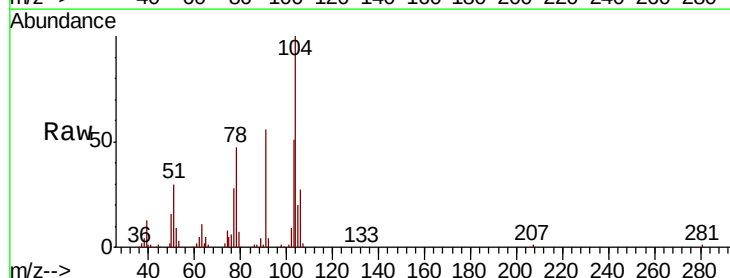
Instrument :
MSVOA_N
ClientSampled :

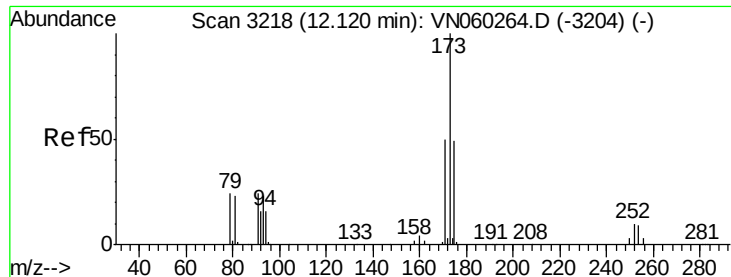
Tot Ion:106 Resp: 71780
Ion Ratio Lower Upper
106 100
91 216.8 109.5 328.4



#70
Styrene
Concen: 17.600 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion:104 Resp: 113938
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.6 43.9 65.9





#71

Bromoform

Concen: 18.255 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

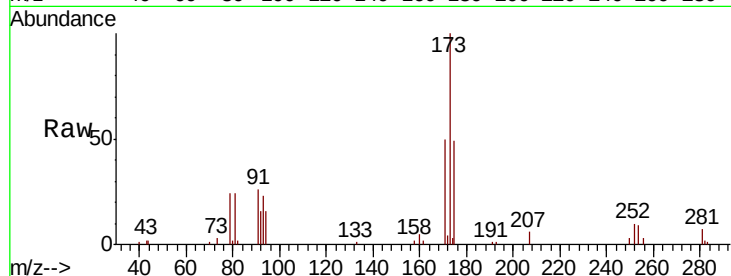
Tot Ion:173 Resp: 29235

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.0	0.0	0.0

173 100

175 48.7 24.1 72.2

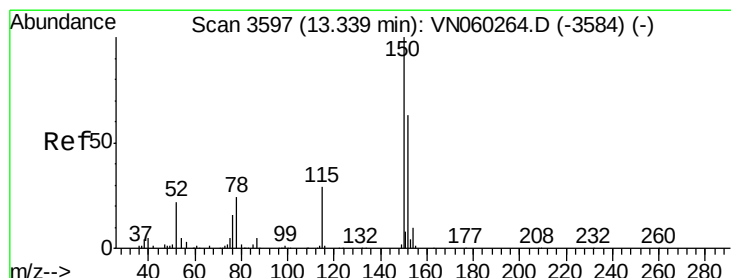
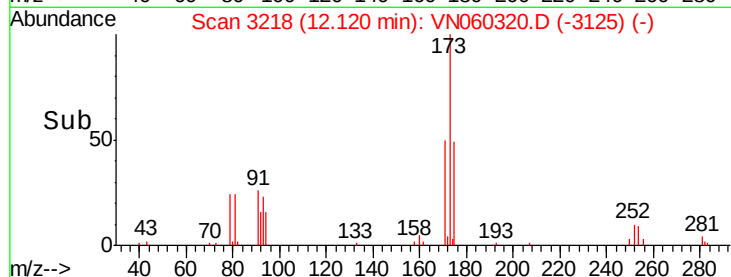
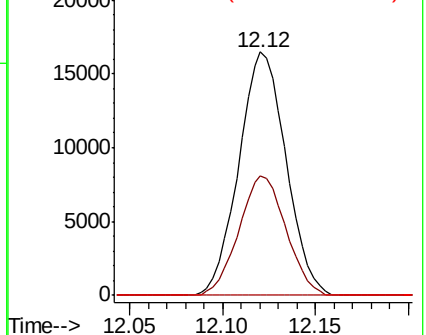
254 0.0 0.0 0.0



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: VN060320.D

Acq: 3 Mar 2020 11:40

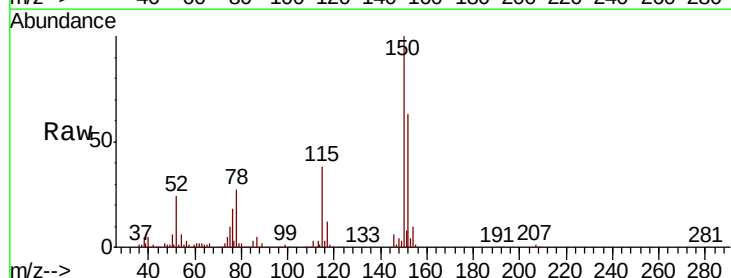
Tgt Ion:152 Resp: 144215

Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.0	90.0
150	162.9	0.0	349.6

152 100

115 59.3 30.0 90.0

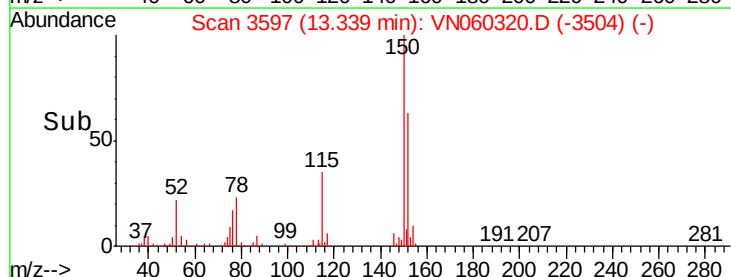
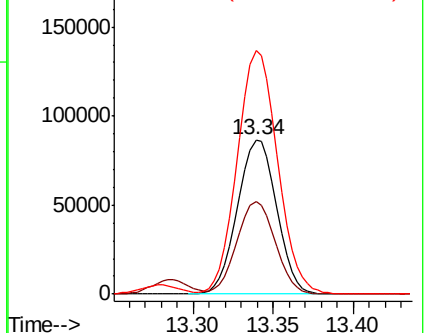
150 162.9 0.0 349.6

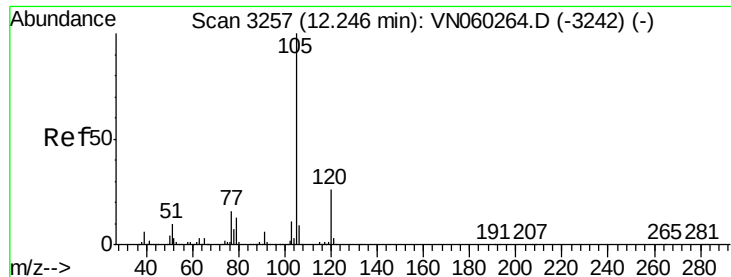


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.120 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

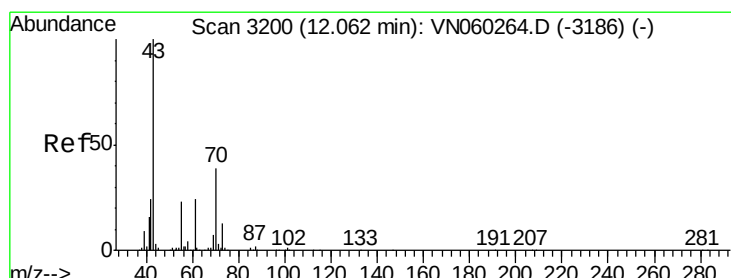
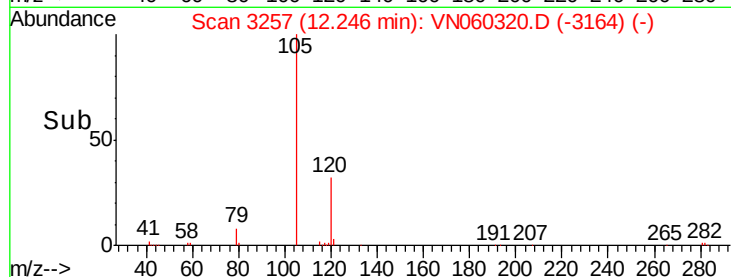
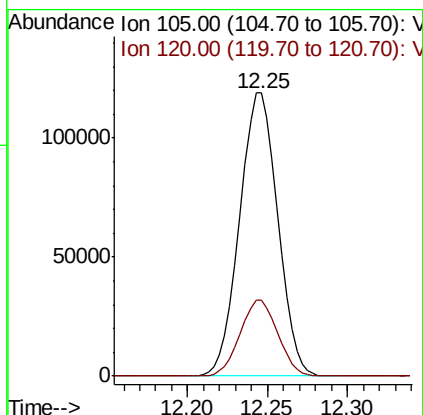
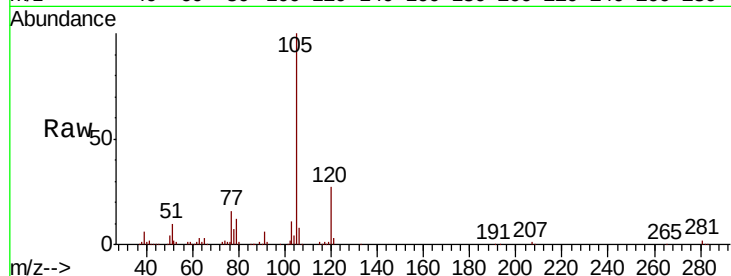
ClientSampleId :

Tot Ion:105 Resp: 193690

Ion Ratio Lower Upper

105 100

120 26.5 13.0 38.9



#74

N-ethyl acetate

Concen: 17.416 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion: 43 Resp: 81347

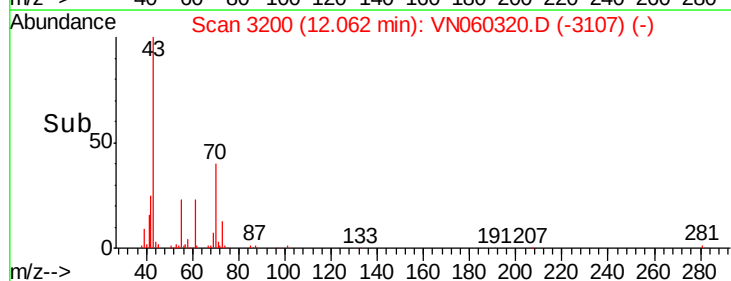
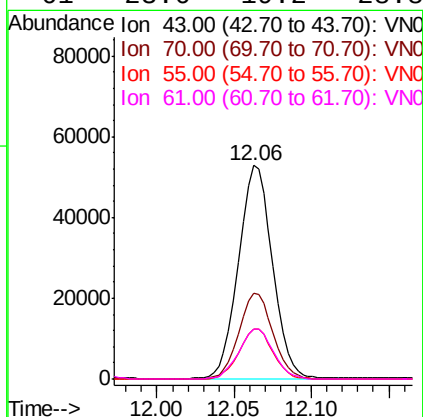
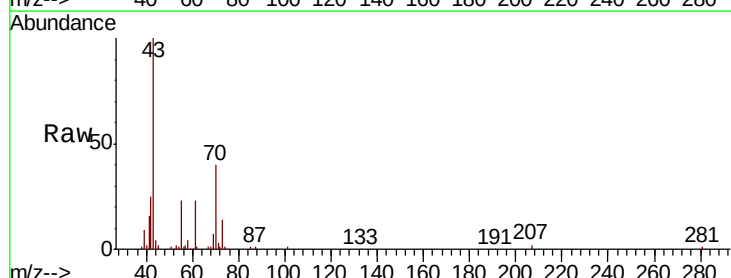
Ion Ratio Lower Upper

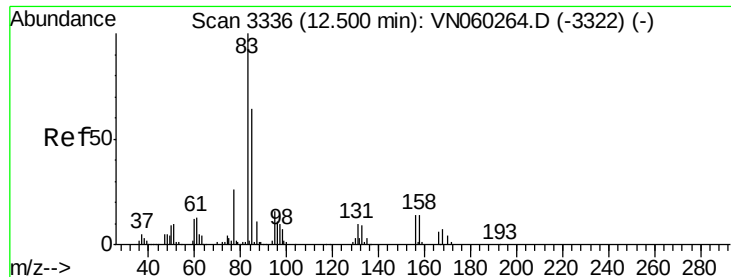
43 100

70 39.8 32.2 48.2

55 23.2 18.2 27.4

61 23.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.256 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

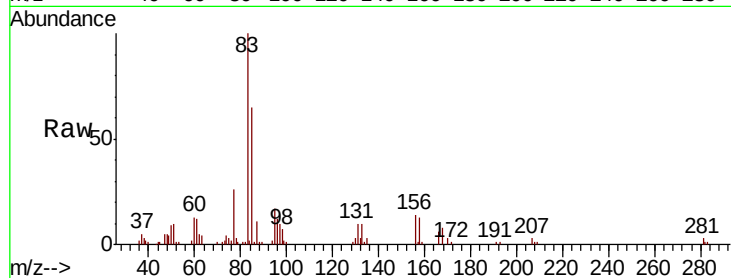
Tot Ion: 83 Resp: 53044

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.3

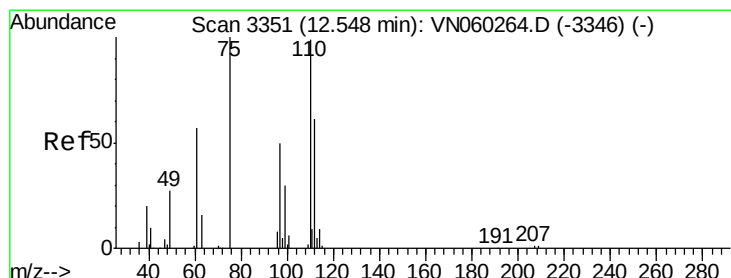
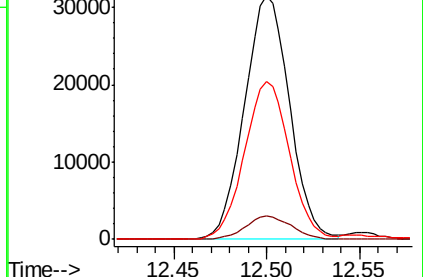
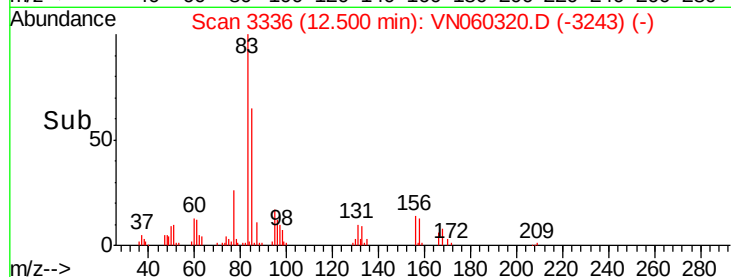
85 64.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060320.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060320.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060320.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 23.837 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060320.D

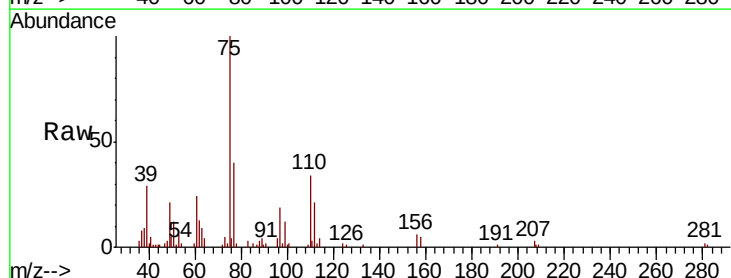
Acq: 3 Mar 2020 11:40

Tgt Ion: 75 Resp: 75423

Ion Ratio Lower Upper

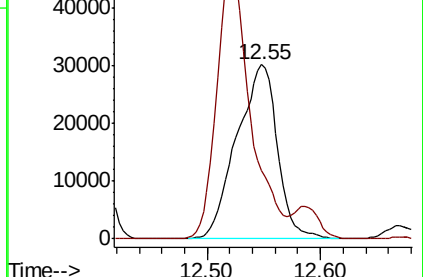
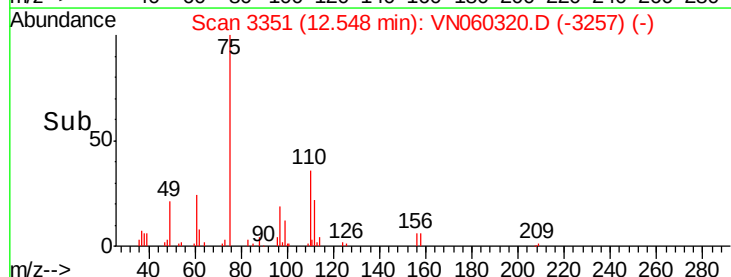
75 100

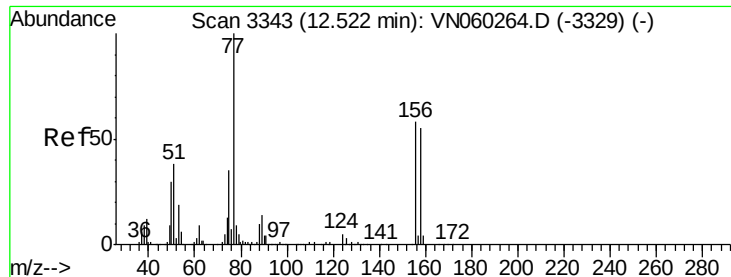
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060320.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060320.D (-3257) (-)





#77

Bromobenzene

Concen: 18.207 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

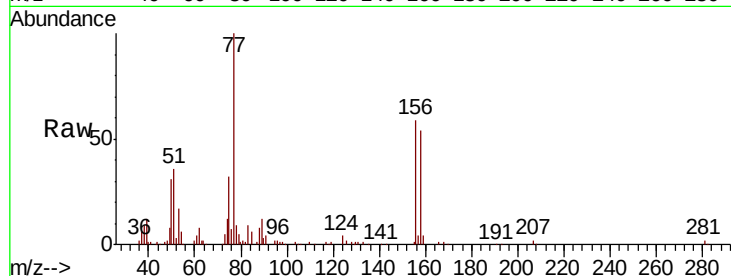
Tot Ion:156 Resp: 47705

Ion Ratio Lower Upper

156 100

77 205.9 106.1 318.3

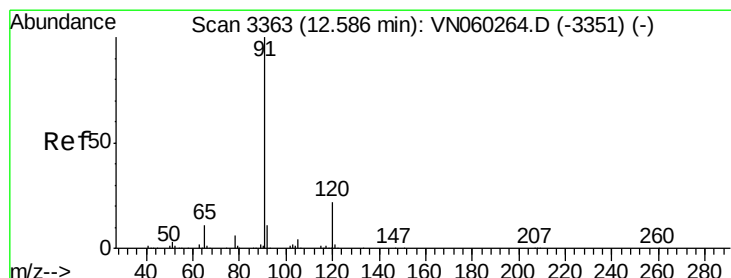
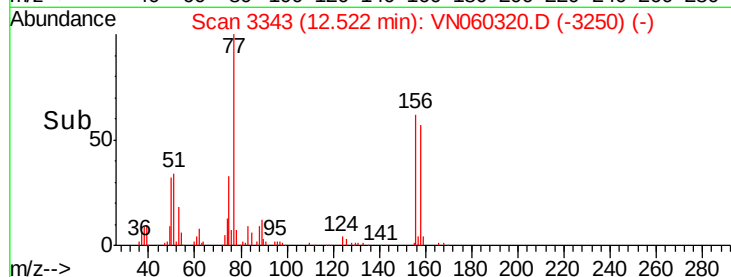
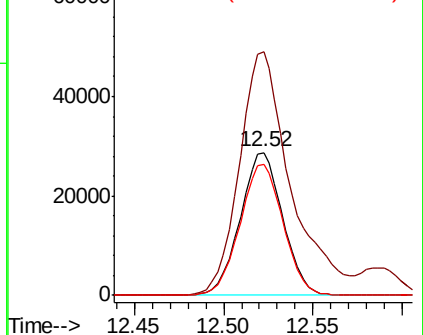
158 93.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.047 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060320.D

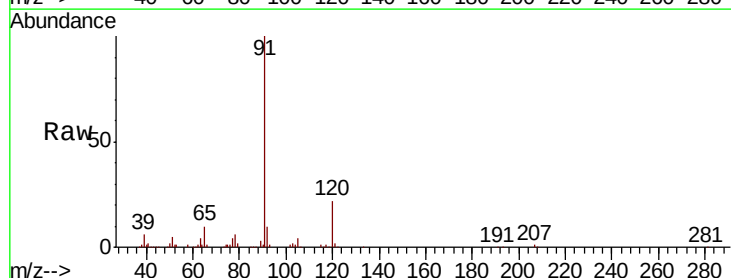
Acq: 3 Mar 2020 11:40

Tgt Ion: 91 Resp: 226117

Ion Ratio Lower Upper

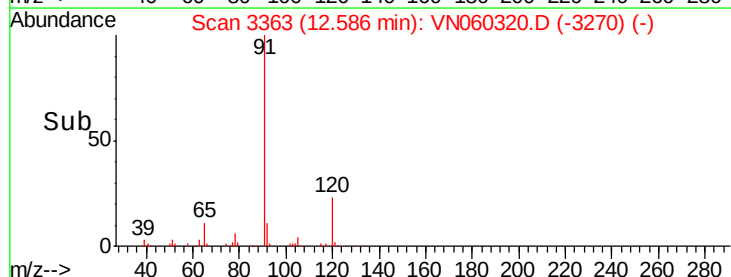
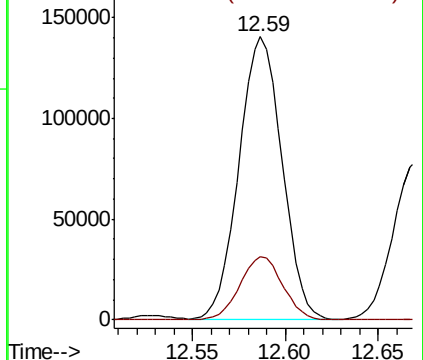
91 100

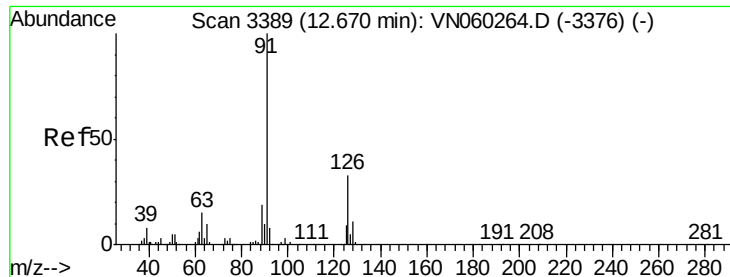
120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.740 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

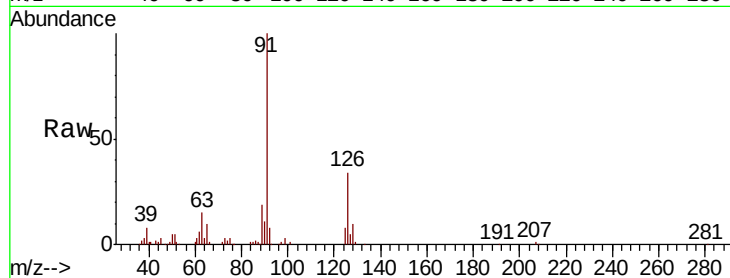
ClientSampled :

Tot Ion: 91 Resp: 130657

Ion Ratio Lower Upper

91 100

126 33.6 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060320.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060320.D (-3376) (-)

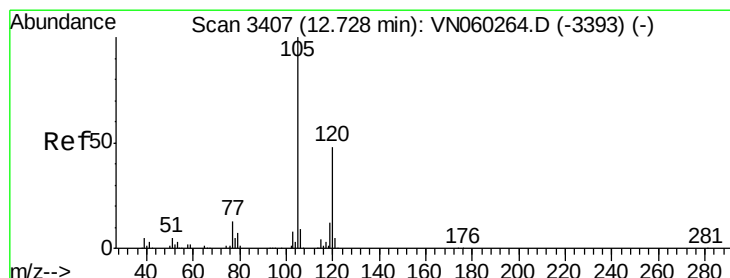
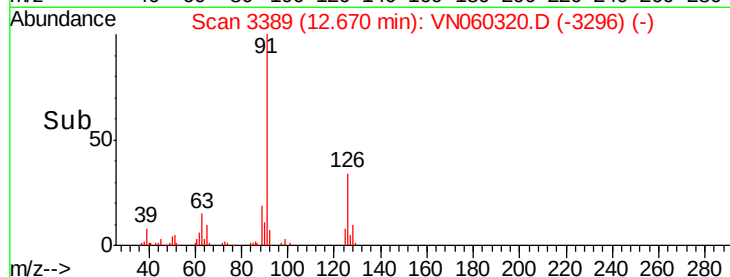
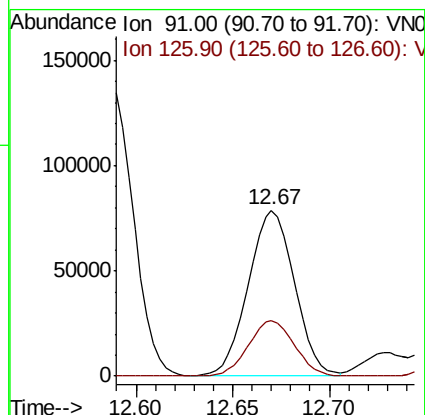
150000

100000

50000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 18.158 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060320.D

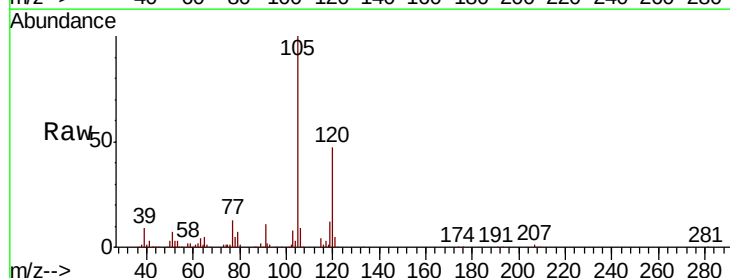
Acq: 3 Mar 2020 11:40

Tgt Ion:105 Resp: 163420

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060320.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060320.D (-3393) (-)

120000

100000

80000

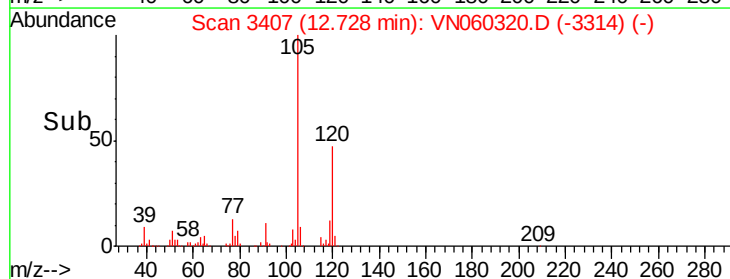
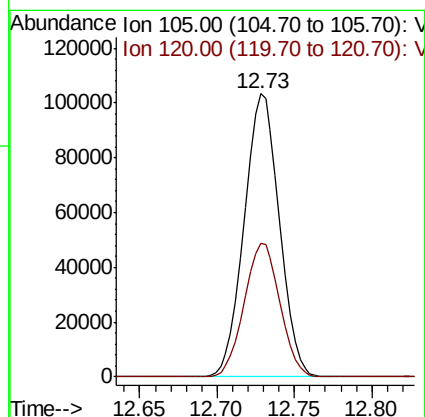
60000

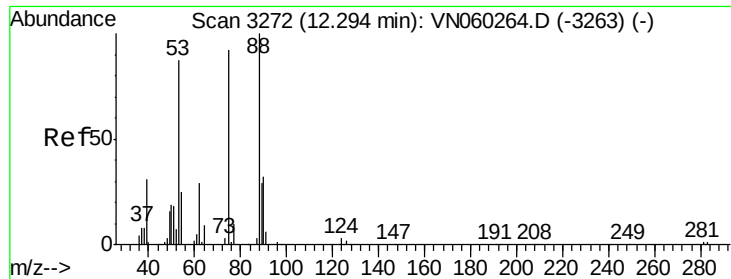
40000

20000

0

12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 17.492 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

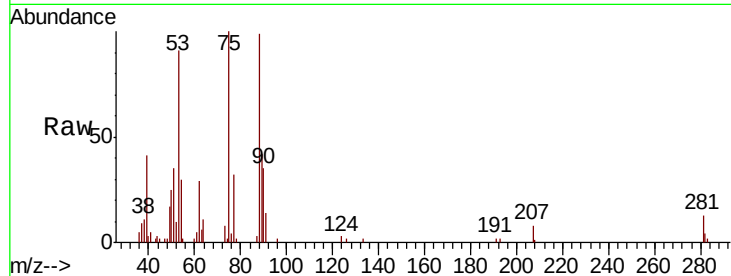
Tot Ion: 75 Resp: 20049

Ion Ratio Lower Upper

75 100

53 93.8 73.8 110.6

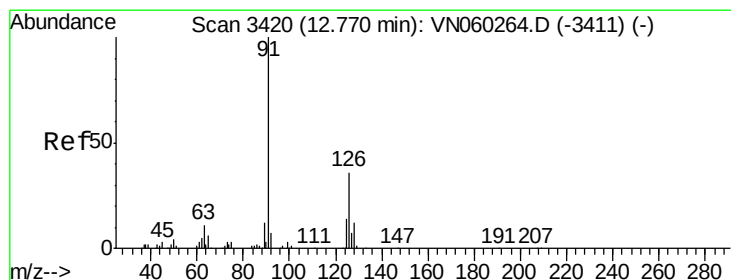
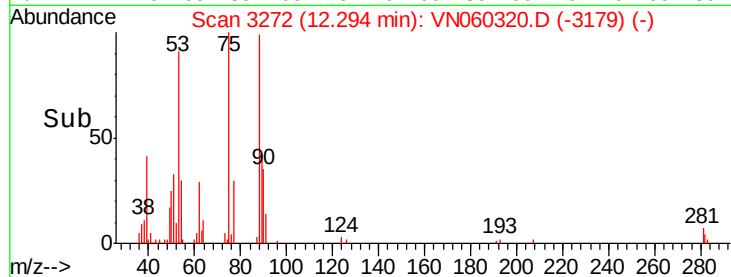
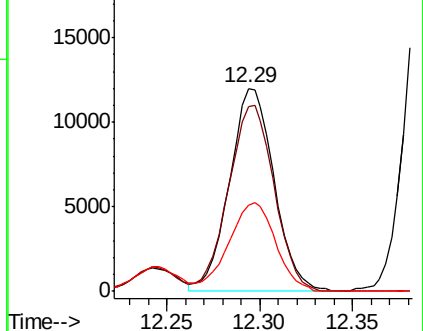
89 45.6 57.1 85.7#



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: 17.469 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060320.D

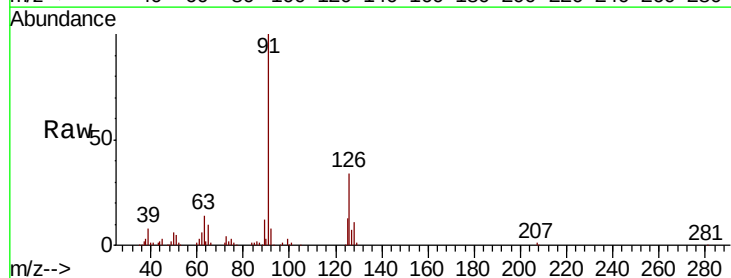
Acq: 3 Mar 2020 11:40

Tgt Ion: 91 Resp: 135557

Ion Ratio Lower Upper

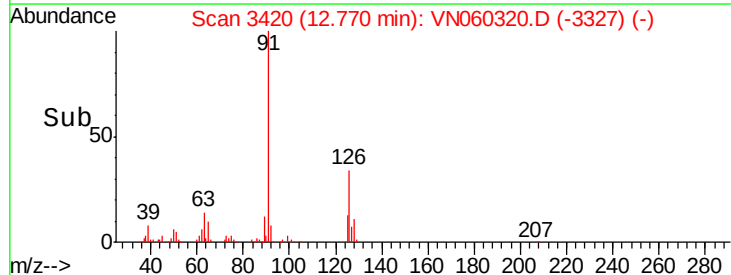
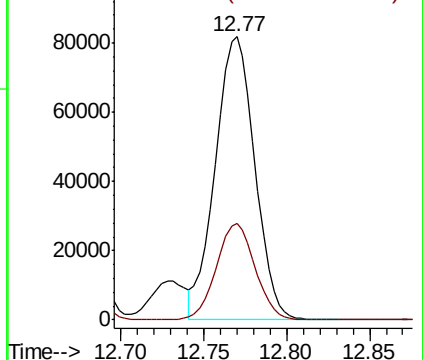
91 100

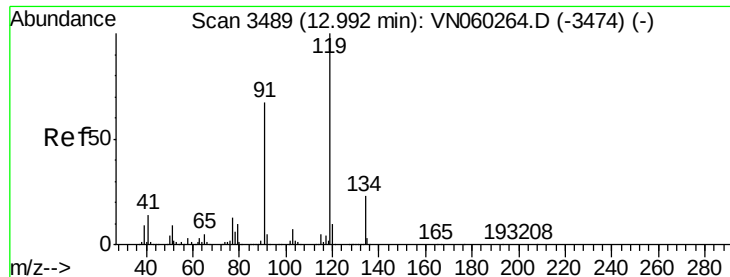
126 33.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

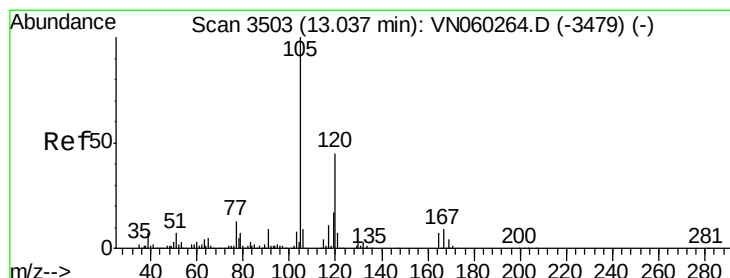
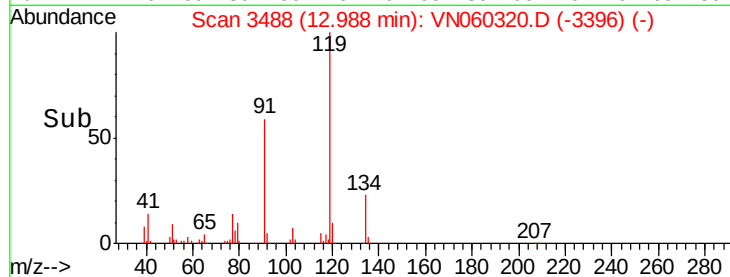
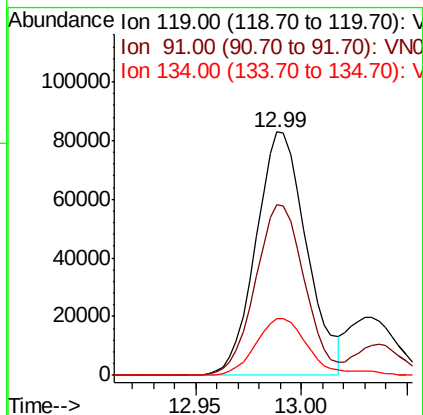
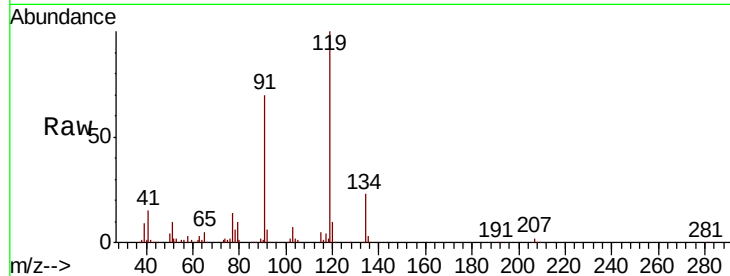




#83
 tert-Butylbenzene
 Concen: 17.799 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

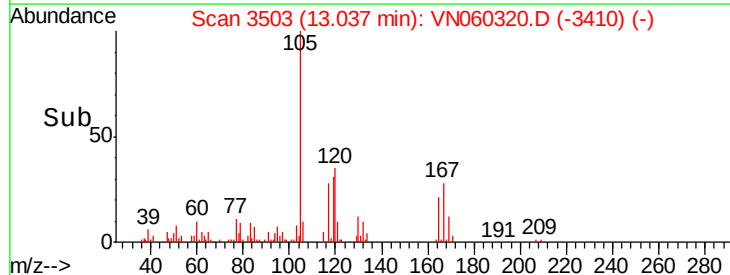
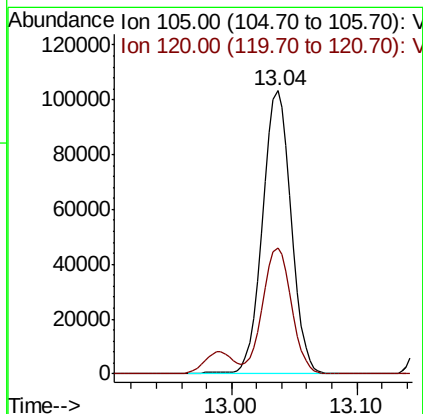
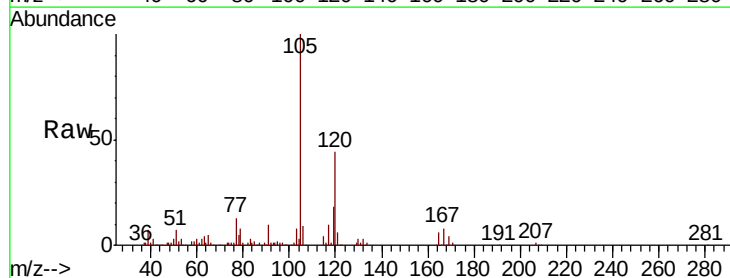
Instrument :
 MSVOA_N
 ClientSampled :

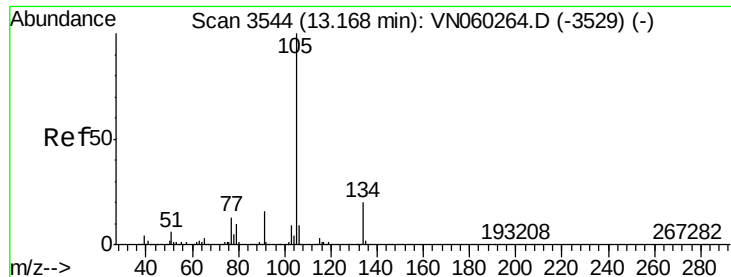
Tot Ion:119 Resp: 138688
 Ion Ratio Lower Upper
 119 100
 91 67.9 33.1 99.2
 134 24.6 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.068 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion:105 Resp: 164124
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.3 66.9





#85

sec-Butylbenzene

Concen: 17.905 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

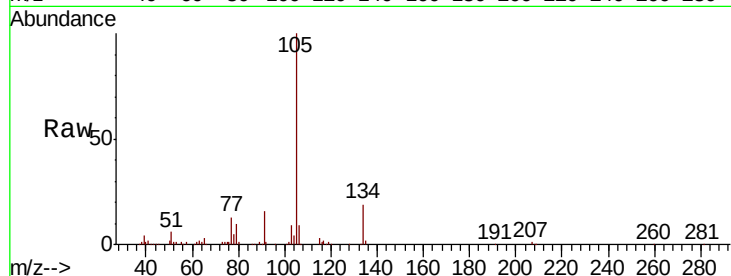
ClientSampled :

Tot Ion:105 Resp: 186825

Ion Ratio Lower Upper

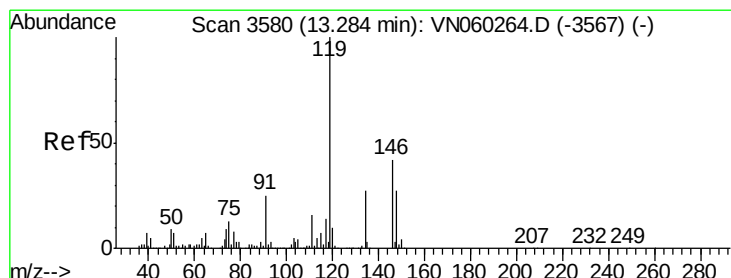
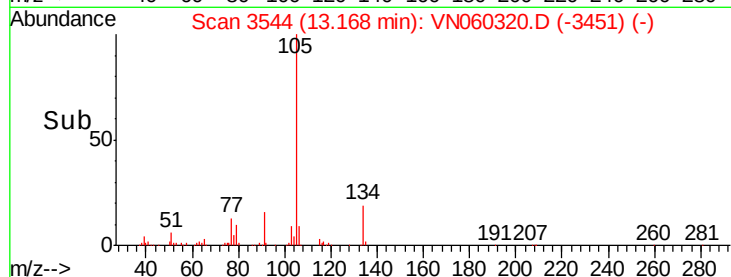
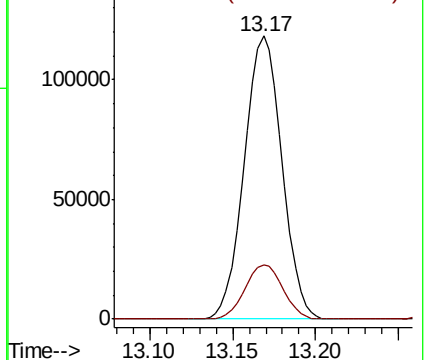
105 100

134 19.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.718 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

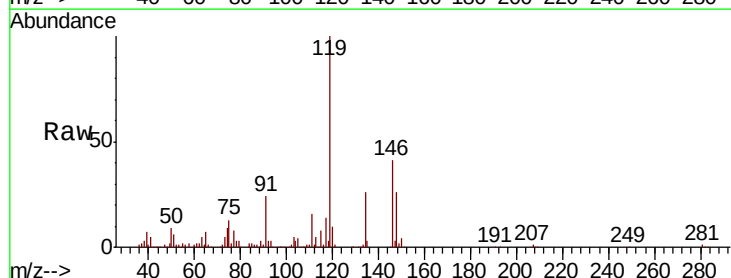
Tgt Ion:119 Resp: 171111

Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.6

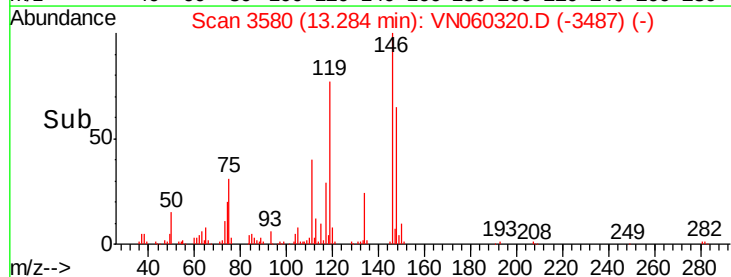
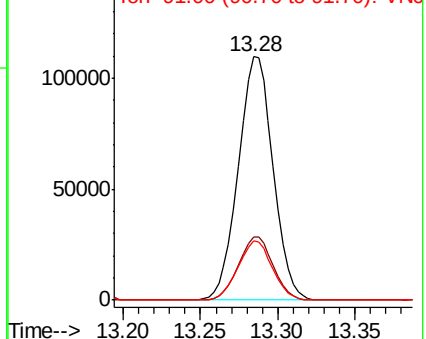
91 24.0 12.2 36.6

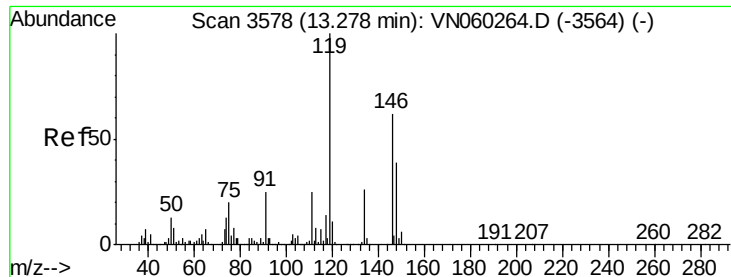


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.385 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

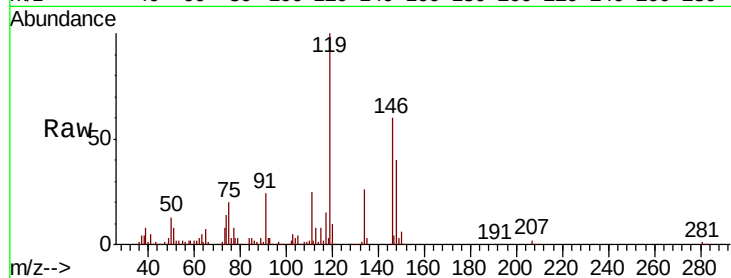
Tot Ion:146 Resp: 83314

Ion Ratio Lower Upper

146 100

111 40.3 20.0 59.9

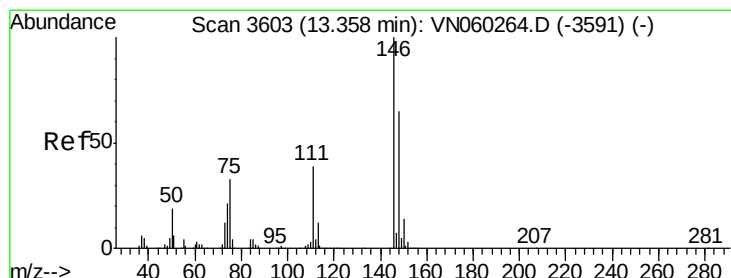
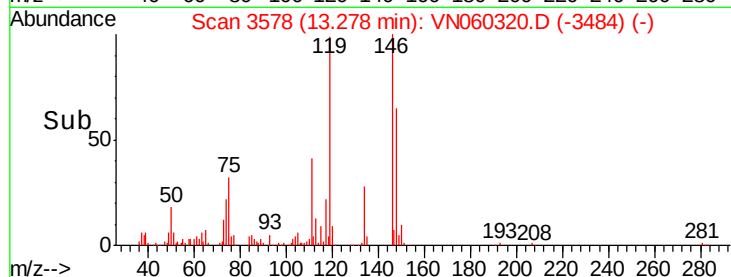
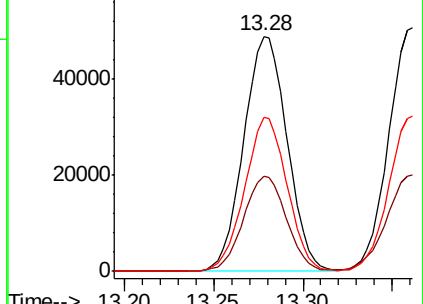
148 64.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.572 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

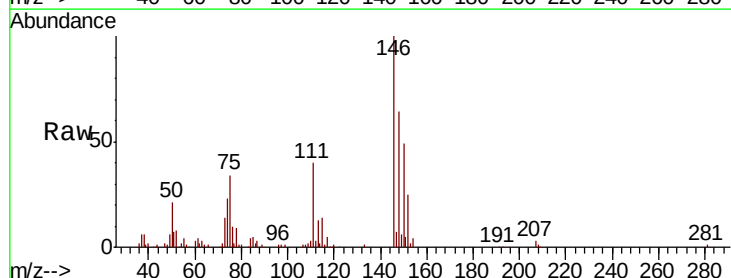
Tgt Ion:146 Resp: 84110

Ion Ratio Lower Upper

146 100

111 40.7 19.8 59.4

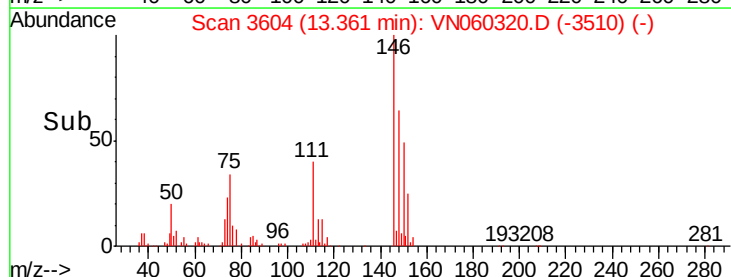
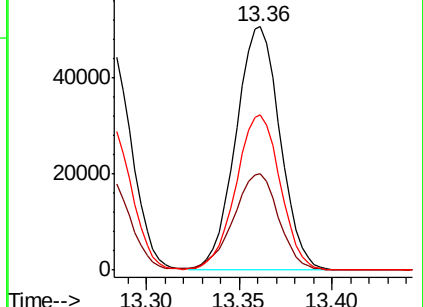
148 63.9 32.3 96.9

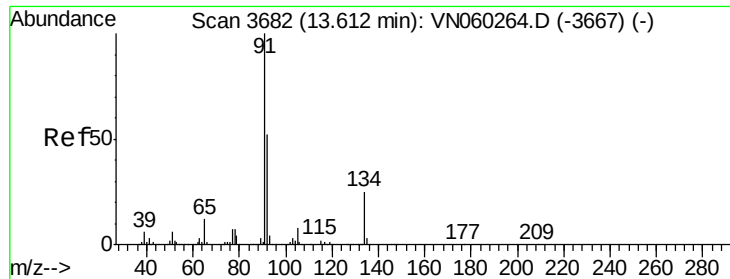


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

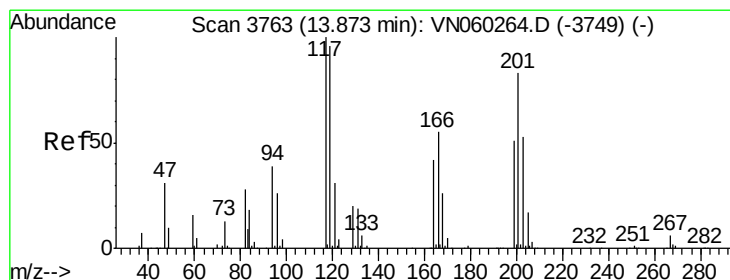
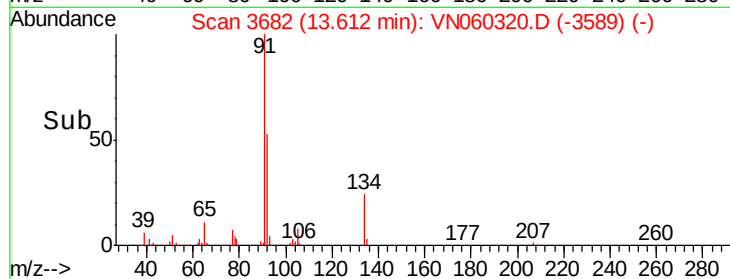
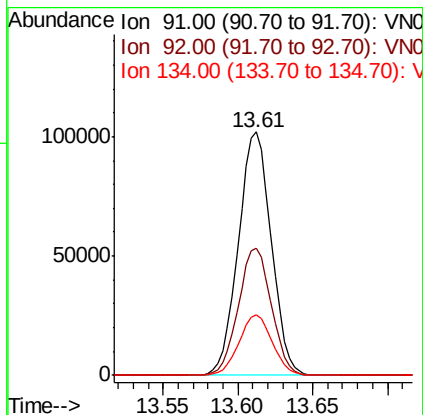
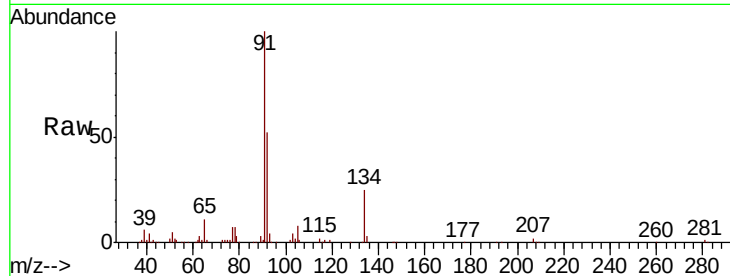




#89
n-Butylbenzene
Concen: 17.631 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

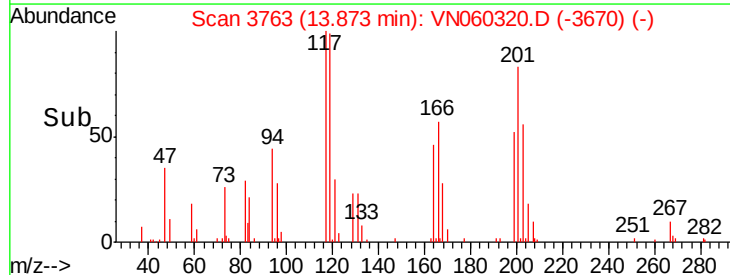
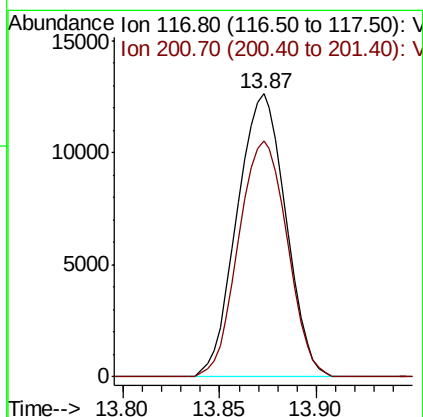
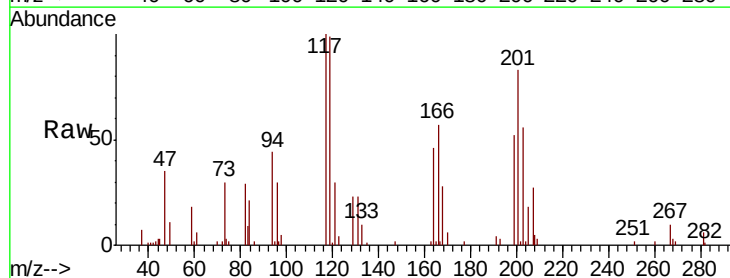
Instrument :
MSVOA_N
ClientSampled :

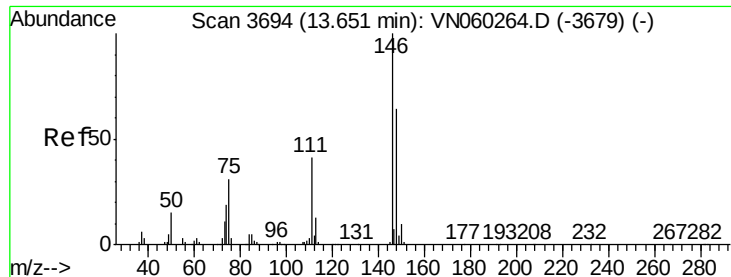
Tot Ion: 91 Resp: 156302
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 25.1 12.7 38.1



#90
Hexachloroethane
Concen: 15.825 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060320.D
Acq: 3 Mar 2020 11:40

Tgt Ion: 117 Resp: 22121
Ion Ratio Lower Upper
117 100
201 83.3 41.0 123.0

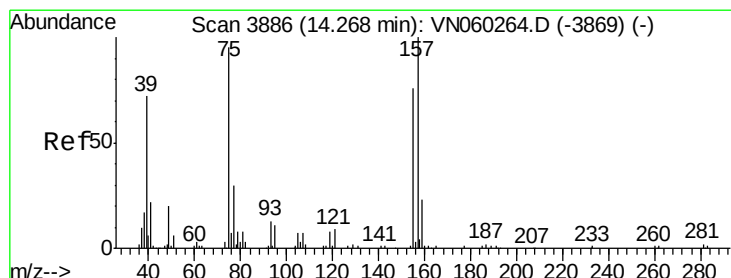
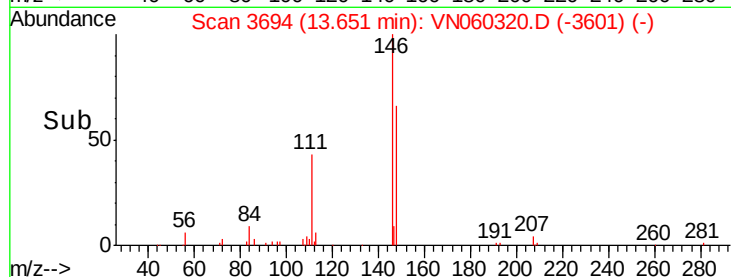
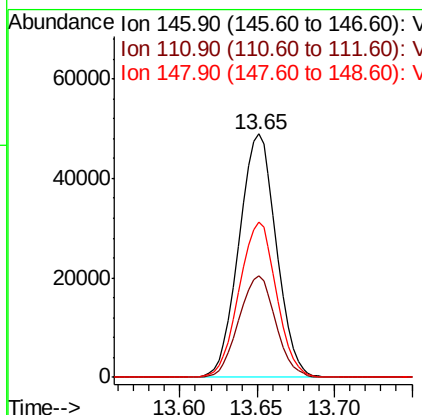
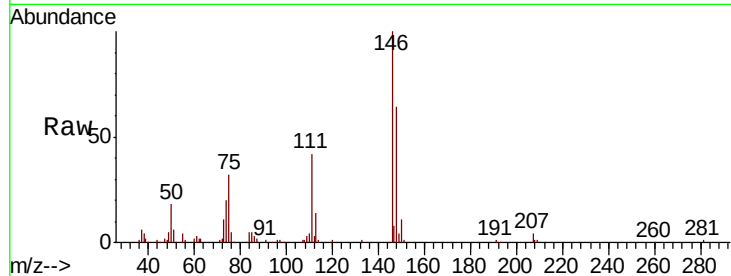




#91
 1,2-Dichlorobenzene
 Concen: 17.903 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

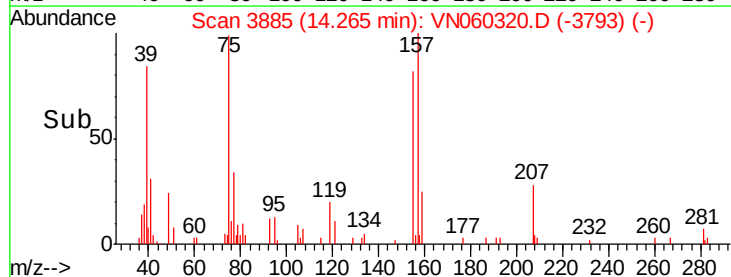
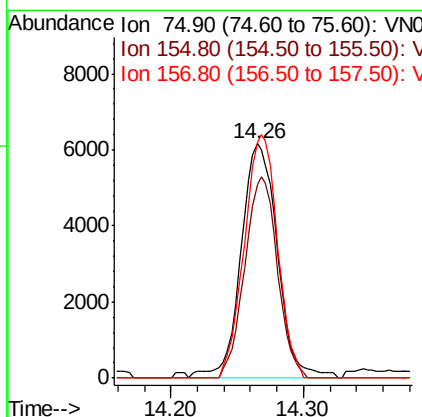
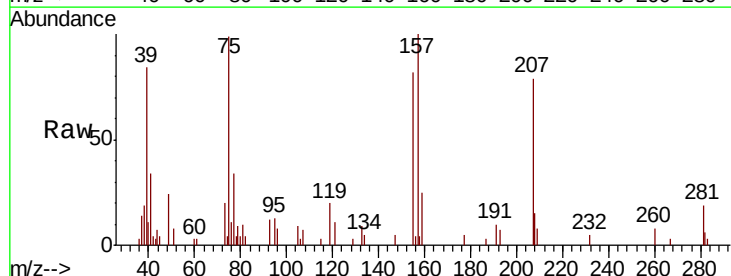
Instrument :
 MSVOA_N
 ClientSampleId :

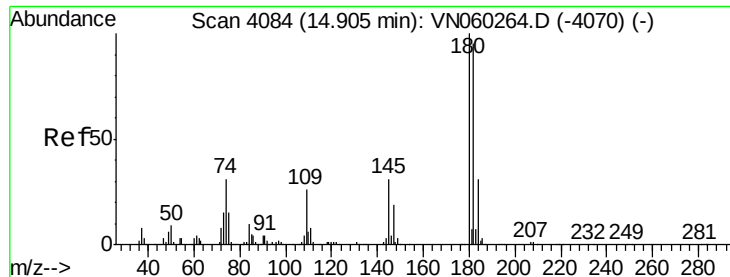
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	63.8	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.864 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	40.4	121.2
157	94.5	52.5	157.5

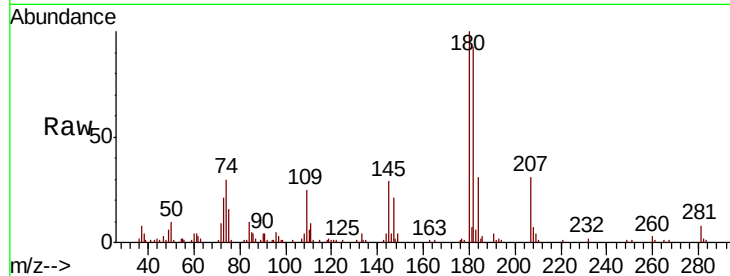




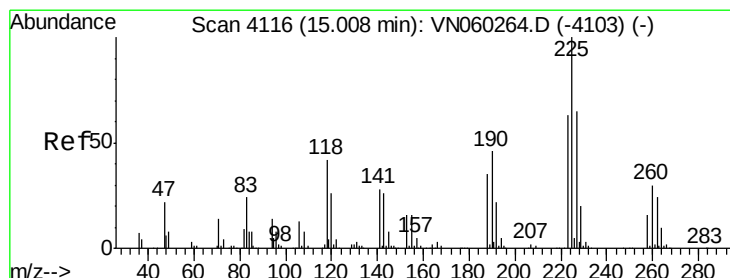
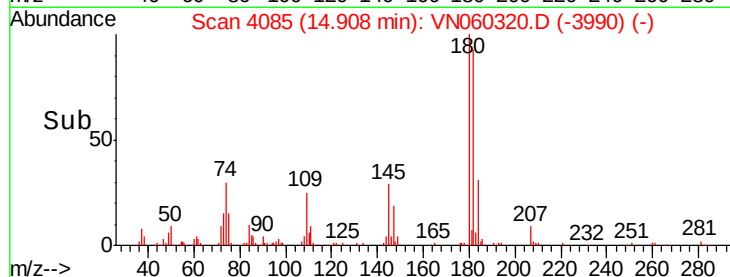
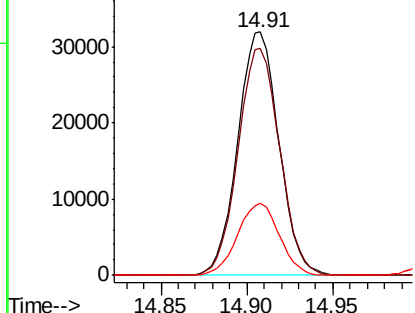
#93
 1,2,4-Trichlorobenzene
 Concen: 18.239 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 53046
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.8 143.3
 145 30.2 15.4 46.1

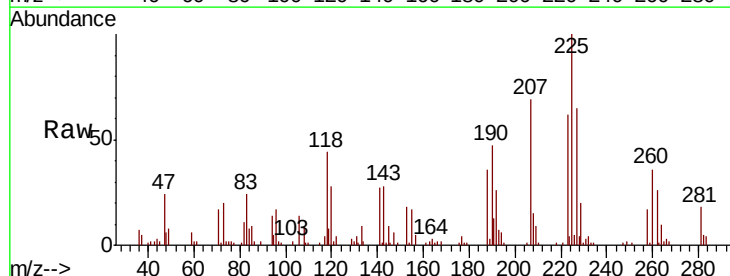


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

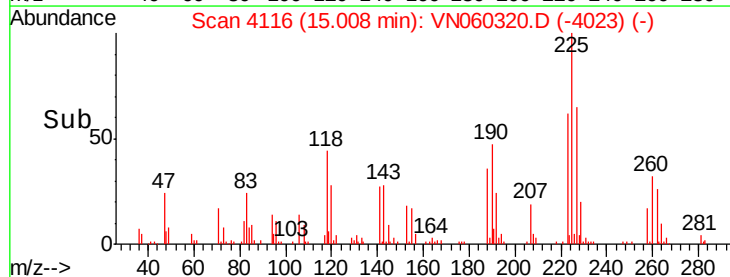
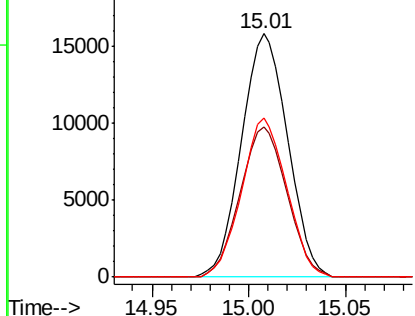


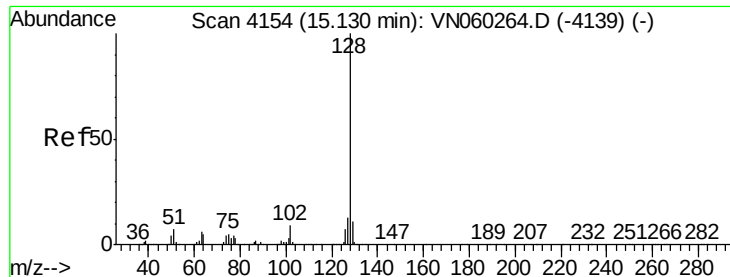
#94
 Hexachlorobutadiene
 Concen: 19.238 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060320.D
 Acq: 3 Mar 2020 11:40

Tgt Ion:225 Resp: 26271
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.3 93.9
 227 63.7 32.3 96.9



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: 17.550 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060320.D

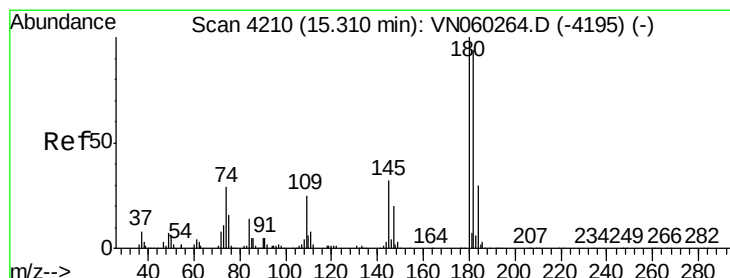
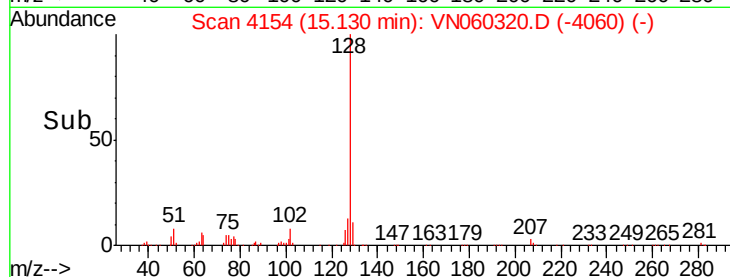
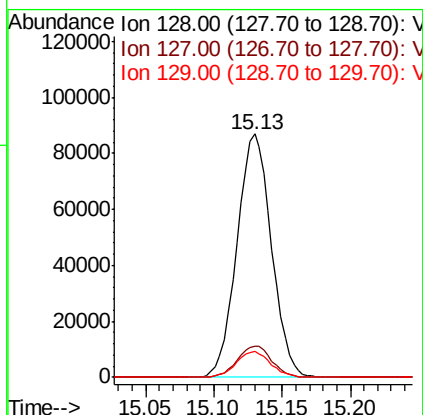
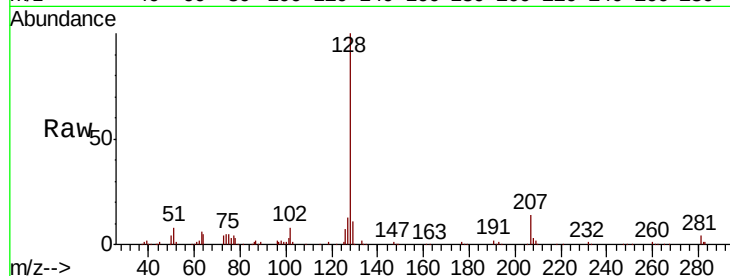
Acq: 3 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	128	Resp:	152319
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.5	8.6	13.0



#96

1,2,3-Trichlorobenzene

Concen: 18.387 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060320.D

Acq: 3 Mar 2020 11:40

Tgt Ion:	180	Resp:	50833
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	142.0
145	32.1	16.2	48.5

