

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060373.D
 Acq On : 6 Mar 2020 12:15
 Operator : JC/MD
 Sample : VN0306WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:53:54 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	201336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141731	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	122720	47.51	ug/l	0.00
Spiked Amount						
			Recovery	=	95.02%	
35) Dibromofluoromethane	7.56	113	88687	58.99	ug/l	0.00
Spiked Amount						
			Recovery	=	117.98%	
50) Toluene-d8	10.08	98	359058	47.19	ug/l	0.00
Spiked Amount						
			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.40	95	133399	46.25	ug/l	0.00
Spiked Amount						
			Recovery	=	92.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	30000	16.252	ug/l	97
3) Chloromethane	2.04	50	52693	16.396	ug/l	100
4) Vinyl Chloride	2.16	62	44896	16.289	ug/l	99
5) Bromomethane	2.55	94	18356	14.856	ug/l	100
6) Chloroethane	2.69	64	24676	16.524	ug/l	98
7) Trichlorofluoromethane	3.00	101	59901	17.010	ug/l	99
8) Diethyl Ether	3.38	74	23572	17.729	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35333	17.729	ug/l	98
10) Methyl Iodide	3.93	142	31757	17.460	ug/l	100
11) Tert butyl alcohol	4.73	59	35825	93.399	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	34249	17.656	ug/l	97
13) Acrolein	3.58	56	31102	86.917	ug/l	98
14) Allyl chloride	4.29	41	63870	17.909	ug/l	98
15) Acrylonitrile	4.94	53	93829	92.807	ug/l	99
16) Acetone	3.78	43	77256	92.613	ug/l	99
17) Carbon Disulfide	4.03	76	86526	16.383	ug/l	99
18) Methyl Acetate	4.29	43	48862	17.552	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	128432	18.288	ug/l	99
20) Methylene Chloride	4.52	84	40429	17.647	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	36438	17.254	ug/l	98
22) Diisopropyl ether	5.91	45	136238	18.859	ug/l	93
23) Vinyl Acetate	5.86	43	534407	93.094	ug/l	99
24) 1,1-Dichloroethane	5.82	63	74241	18.155	ug/l	99
25) 2-Butanone	6.80	43	127344	94.511	ug/l	98
26) 2,2-Dichloropropane	6.79	77	68642	18.438	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	45517	17.134	ug/l	99
28) Bromochloromethane	7.17	49	29894	17.805	ug/l	96
29) Tetrahydrofuran	7.18	42	87101	92.962	ug/l	98
30) Chloroform	7.34	83	75505	18.548	ug/l	99
31) Cyclohexane	7.63	56	67010	18.354	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	64975	18.015	ug/l	99
36) 1,1-Dichloropropene	7.77	75	54743	17.735	ug/l	99
37) Ethyl Acetate	6.89	43	53940	18.455	ug/l	99
38) Carbon Tetrachloride	7.75	117	53298	17.735	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	62229	17.099	ug/l	98
40) Benzene	8.02	78	166856	18.572	ug/l	98
41) Methacrylonitrile	7.18	41	80761	59.843	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	60712	18.727	ug/l	100
43) Isopropyl Acetate	8.14	43	97232	19.003	ug/l	99
44) Trichloroethene	8.82	130	44883	17.938	ug/l	98
45) 1,2-Dichloropropane	9.10	63	45348	19.306	ug/l	96
46) Dibromomethane	9.19	93	27556	18.080	ug/l	99
47) Bromodichloromethane	9.38	83	60479	19.510	ug/l	97
48) Methyl methacrylate	9.18	41	41600	17.829	ug/l	98
49) 1,4-Dioxane	9.18	88	13178	401.612	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	278396	95.961	ug/l	99
52) Toluene	10.14	92	102612	18.182	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	68290	17.979	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72353	18.383	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	41127	18.122	ug/l	98
56) Ethyl methacrylate	10.42	69	60605	18.588	ug/l	98
57) 1,3-Dichloropropane	10.70	76	71225	19.244	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	165102	96.820	ug/l	99
59) 2-Hexanone	10.74	43	198482	93.181	ug/l	100
60) Dibromochloromethane	10.89	129	43764	18.962	ug/l	98
61) 1,2-Dibromoethane	10.99	107	40421	18.271	ug/l	100
64) Tetrachloroethene	10.62	164	47718	19.544	ug/l	98
65) Chlorobenzene	11.43	112	108072	18.020	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42265	19.060	ug/l	98
67) Ethyl Benzene	11.50	91	198754	18.198	ug/l	99
68) m/p-Xylenes	11.62	106	147097	35.698	ug/l	99
69) o-Xylene	11.94	106	71979	18.318	ug/l	100
70) Styrene	11.96	104	113950	17.638	ug/l	99
71) Bromoform	12.12	173	29120	18.221	ug/l #	99
73) Isopropylbenzene	12.25	105	193997	18.467	ug/l	99
74) N-amyl acetate	12.06	43	83470	18.184	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	54418	19.057	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	78619	25.283	ug/l #	100
77) Bromobenzene	12.52	156	46485	18.052	ug/l	98
78) n-propylbenzene	12.59	91	223707	18.167	ug/l	100
79) 2-Chlorotoluene	12.67	91	132279	18.275	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	162376	18.359	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20891	18.546	ug/l #	85
82) 4-Chlorotoluene	12.77	91	138013	18.097	ug/l	99
83) tert-Butylbenzene	12.99	119	137032	17.895	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	161324	18.071	ug/l	99
85) sec-Butylbenzene	13.17	105	181799	17.729	ug/l	99
86) p-Isopropyltoluene	13.28	119	165389	17.426	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82592	18.547	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	82499	18.535	ug/l	99
89) n-Butylbenzene	13.61	91	146663	16.833	ug/l	99
90) Hexachloroethane	13.87	117	23175	16.869	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	79718	17.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11424	17.667	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49320	17.260	ug/l	98
94) Hexachlorobutadiene	15.01	225	24552	18.266	ug/l	99
95) Naphthalene	15.13	128	140744	16.484	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46902	17.251	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

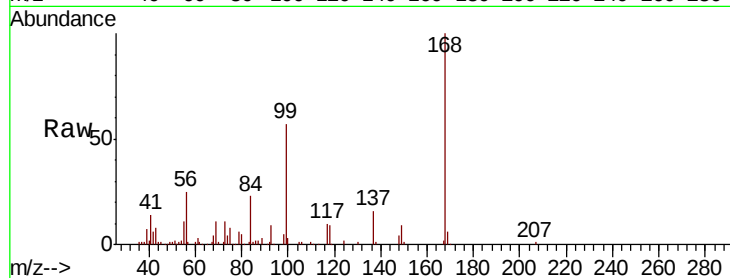
ClientSampleId :

Tot Ion:168 Resp: 201336

Ion Ratio Lower Upper

168 100

99 56.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060373.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060373.D (-1733) (-)

7.64

80000

60000

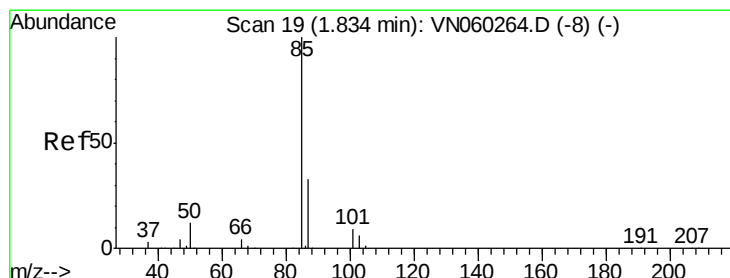
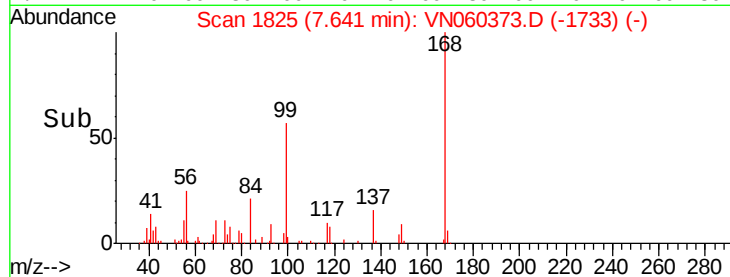
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.252 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060373.D

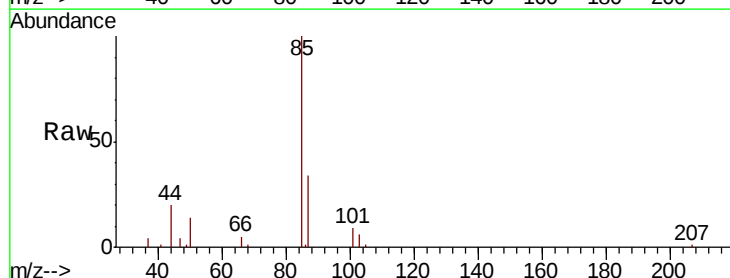
Acq: 6 Mar 2020 12:15

Tgt Ion: 85 Resp: 30000

Ion Ratio Lower Upper

85 100

87 34.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN060373.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN060373.D (-1) (-)

1.83

25000

20000

15000

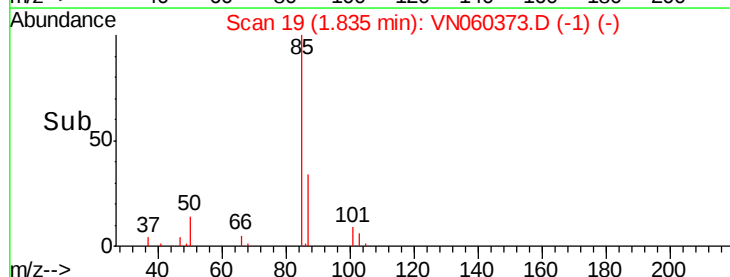
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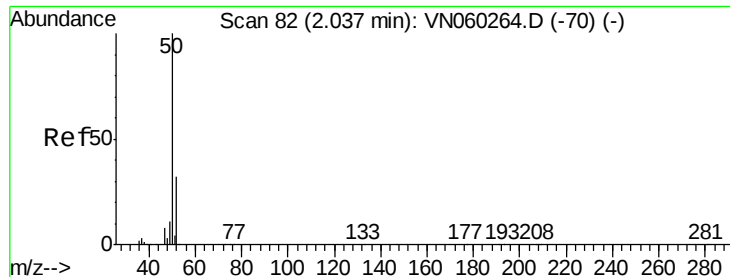
5000

0

1.80 1.85 1.90

Time-->

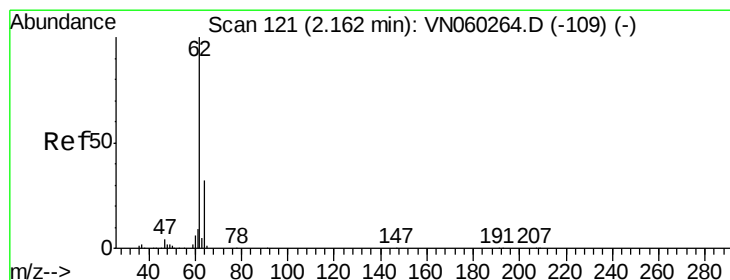
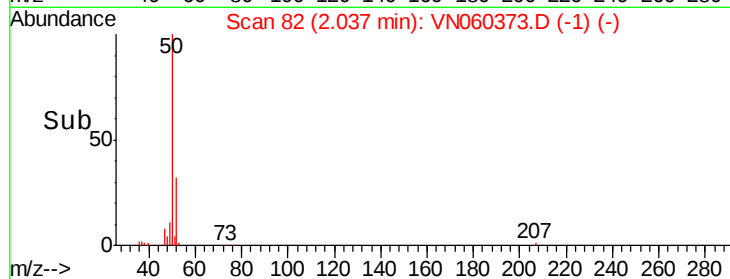
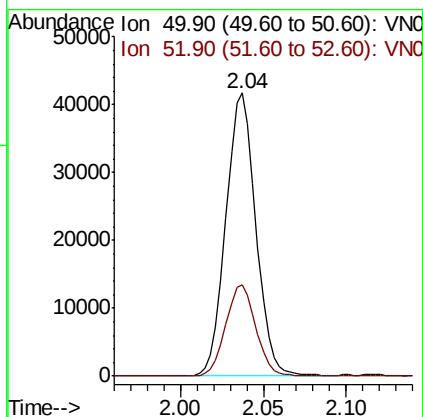
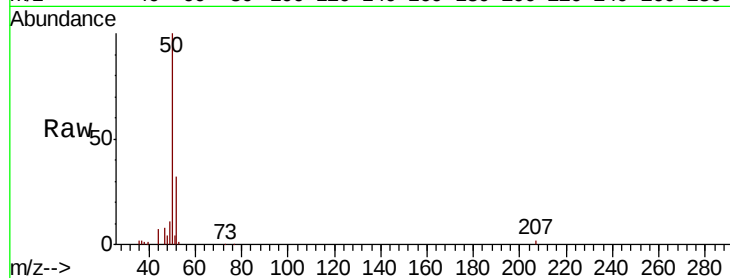




#3
Chloromethane
Concen: 16.396 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

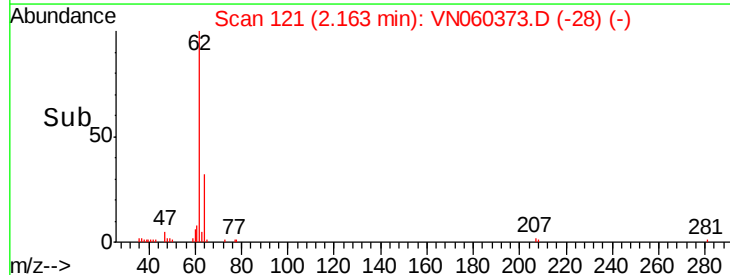
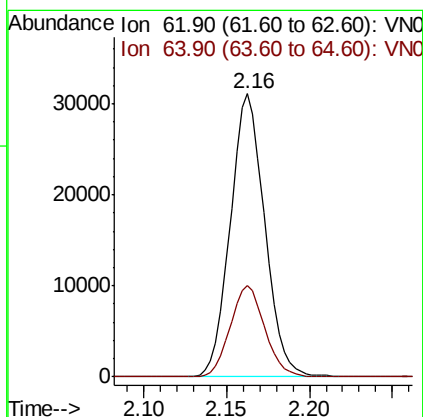
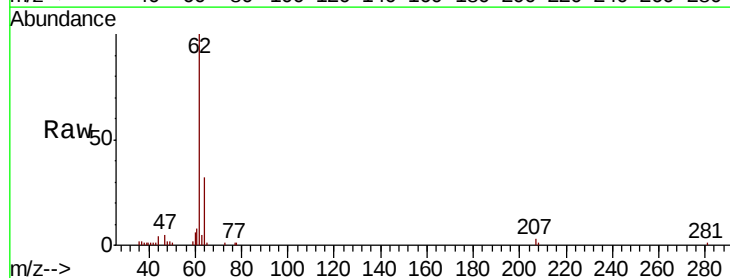
Instrument :
MSVOA_N
ClientSampleId :

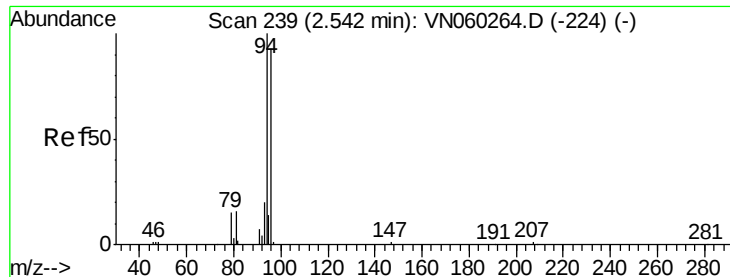
Tot Ion: 50 Resp: 52693
Ion Ratio Lower Upper
50 100
52 32.2 25.6 38.4



#4
Vinyl Chloride
Concen: 16.289 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 62 Resp: 44896
Ion Ratio Lower Upper
62 100
64 32.2 25.5 38.3





#5

Bromomethane

Concen: 14.856 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

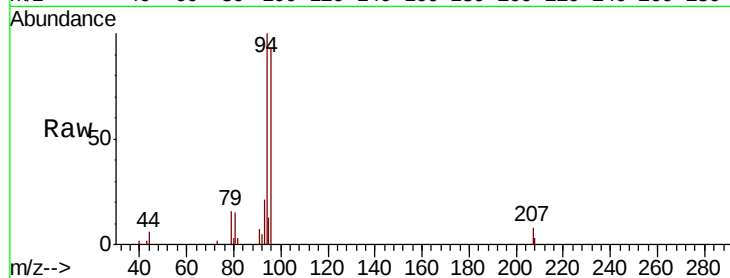
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 18356

Ion Ratio Lower Upper

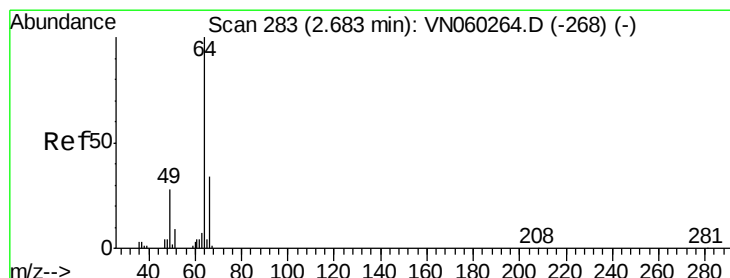
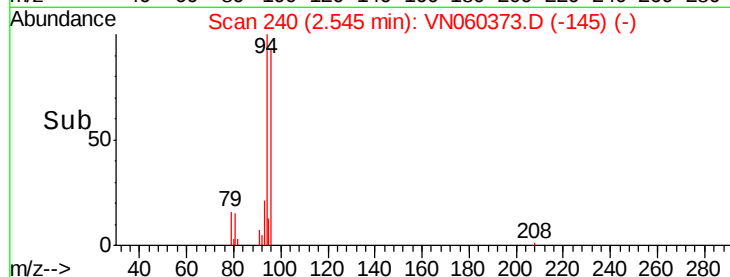
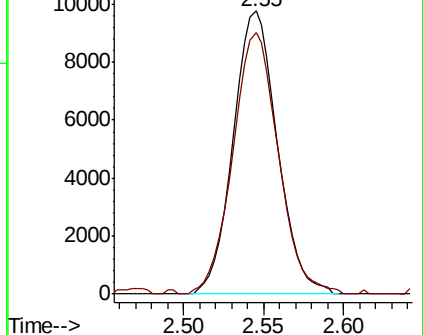
94 100

96 92.6 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN060373.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060373.D (-145) (-)



#6

Chloroethane

Concen: 16.524 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060373.D

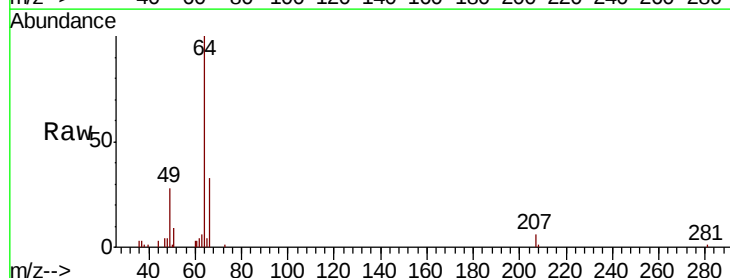
Acq: 6 Mar 2020 12:15

Tgt Ion: 64 Resp: 24676

Ion Ratio Lower Upper

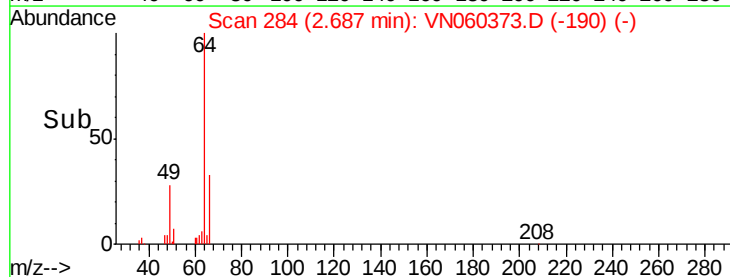
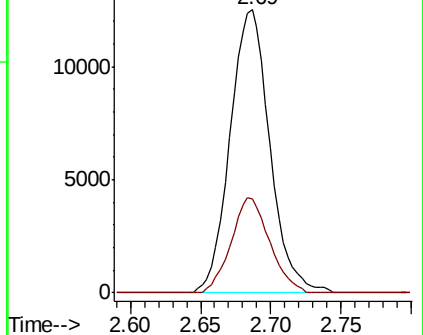
64 100

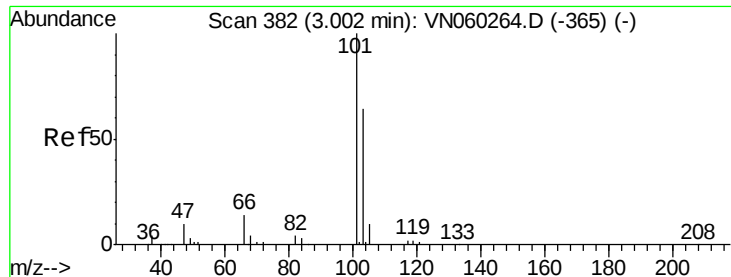
66 33.4 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN060373.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060373.D (-190) (-)



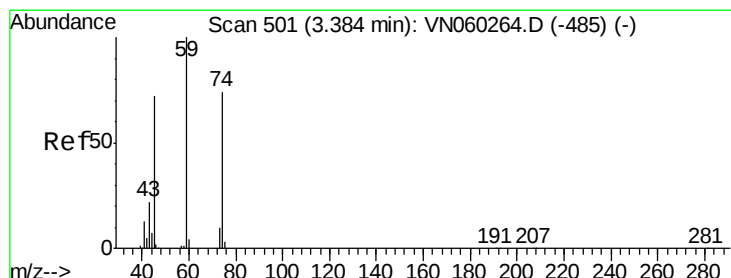
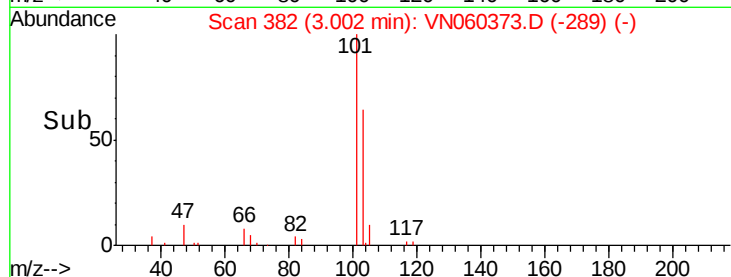
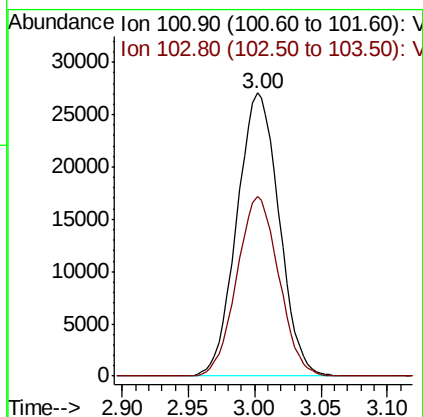
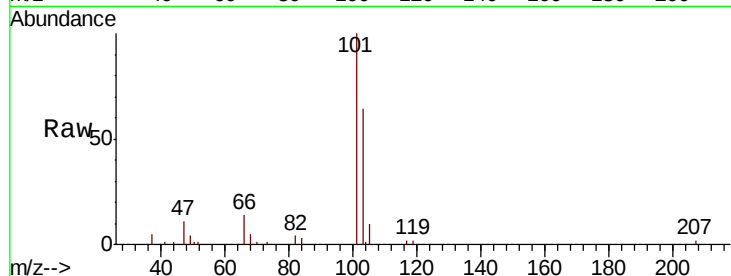


#7

Trichlorofluoromethane
 Concen: 17.010 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :

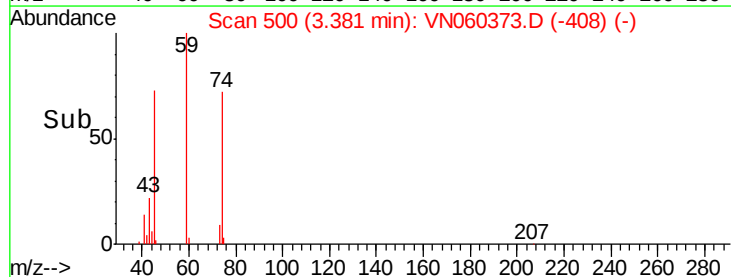
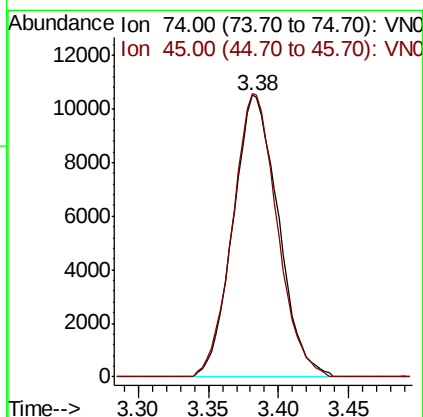
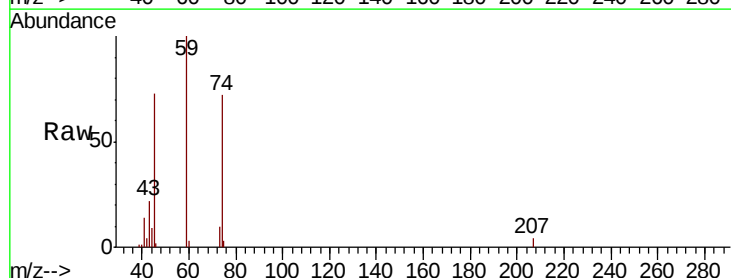
Tot Ion:101 Resp: 59901
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.3 76.9



#8

Diethyl Ether
 Concen: 17.729 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion: 74 Resp: 23572
 Ion Ratio Lower Upper
 74 100
 45 98.9 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.729 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

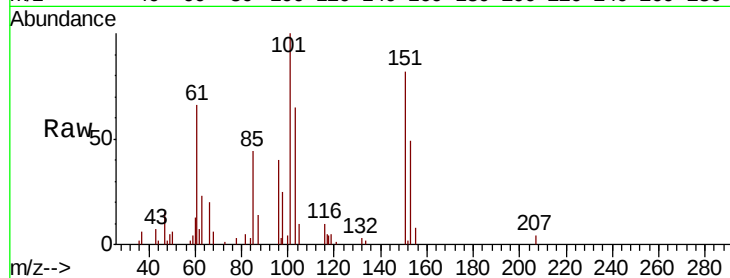
Tot Ion:101 Resp: 35333

Ion Ratio Lower Upper

101 100

85 43.7 35.4 53.2

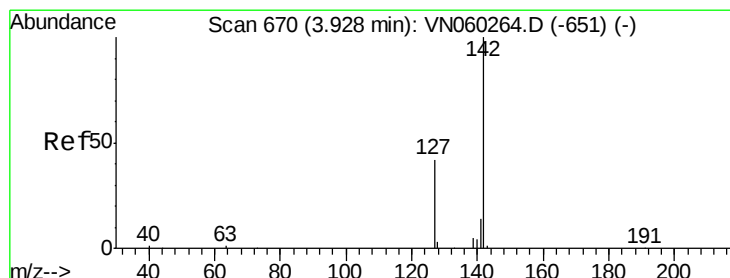
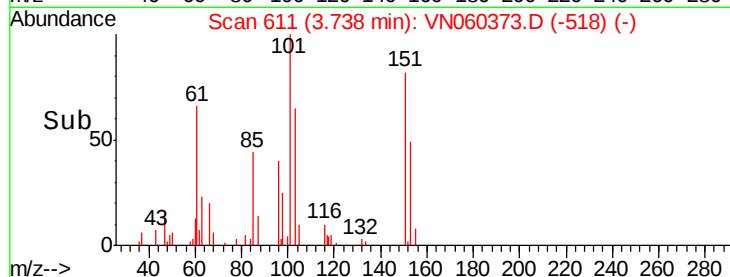
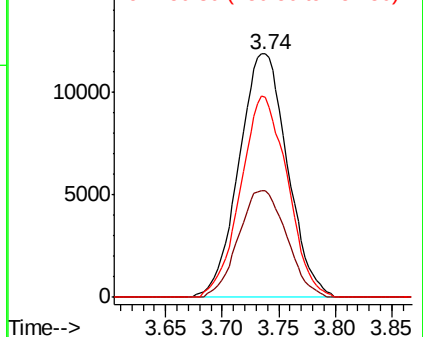
151 79.8 62.0 93.0



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: 17.460 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

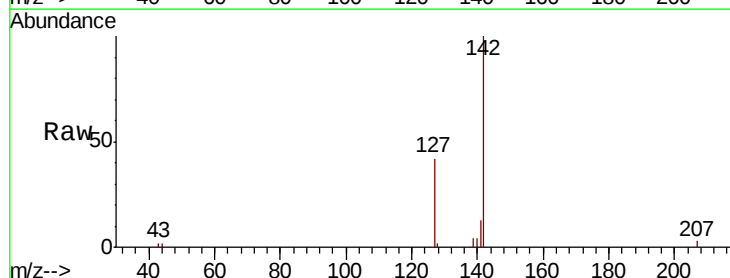
Tgt Ion:142 Resp: 31757

Ion Ratio Lower Upper

142 100

127 42.2 33.8 50.6

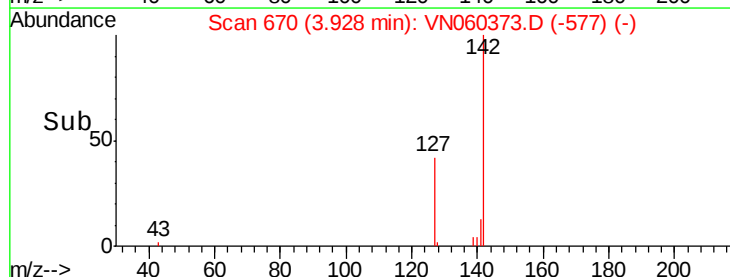
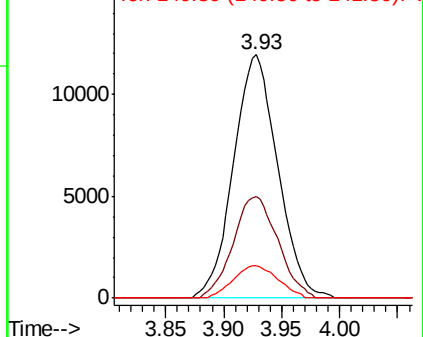
141 13.5 11.1 16.7



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

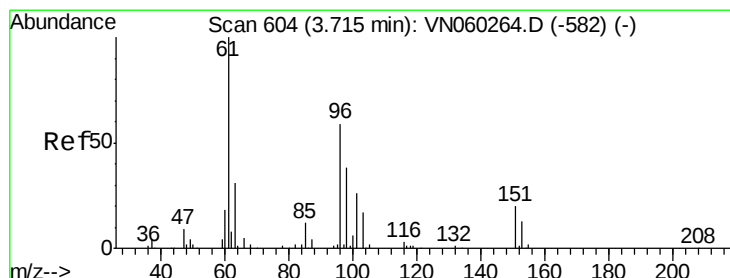
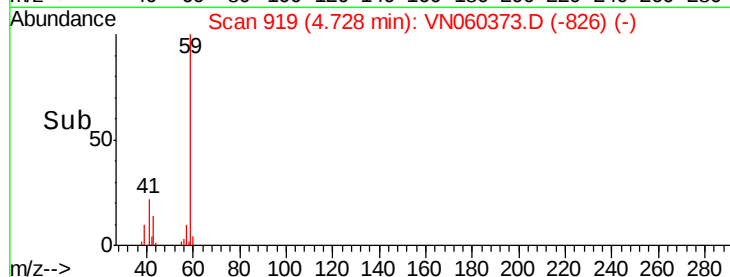
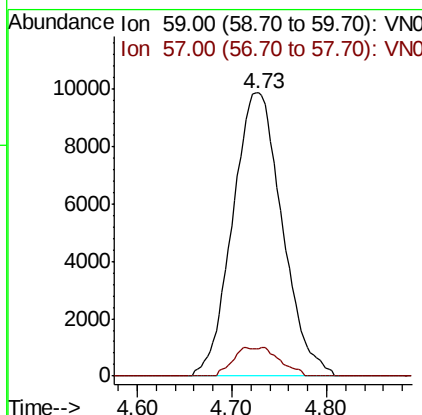
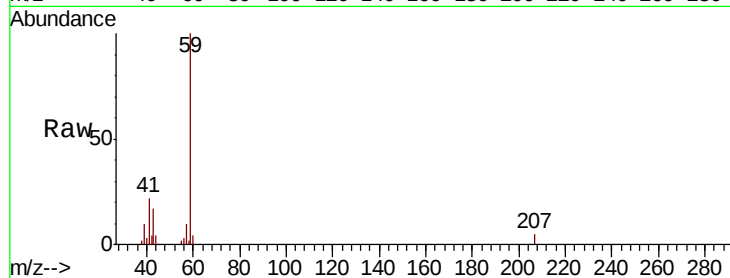




#11
Tert butyl alcohol
Concen: 93.399 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

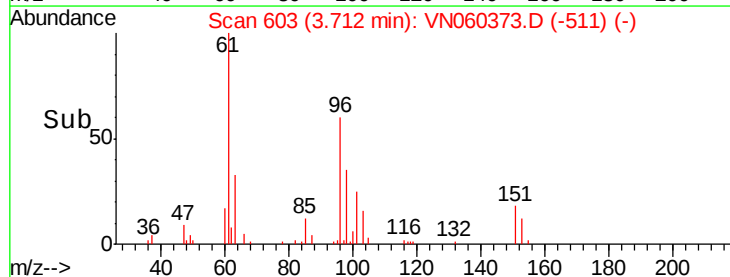
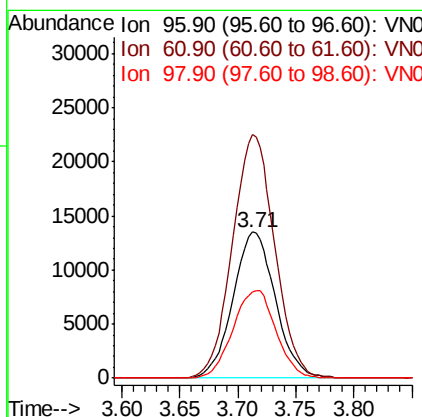
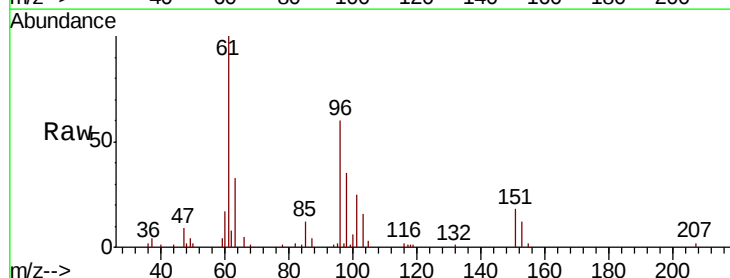
Instrument :
MSVOA_N
ClientSampled :

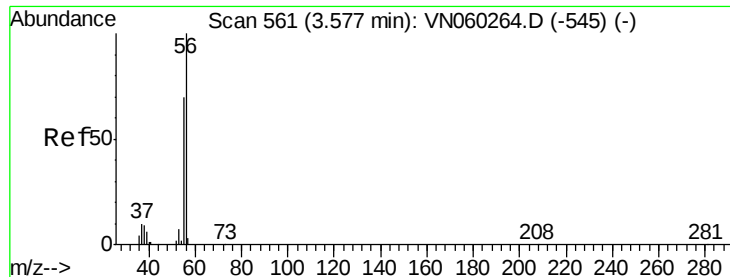
Tot Ion: 59 Resp: 35825
Ion Ratio Lower Upper
59 100
57 4.2 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 17.656 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 96 Resp: 34249
Ion Ratio Lower Upper
96 100
61 167.1 135.4 203.0
98 58.9 51.6 77.4





#13

Acrolein

Concen: 86.917 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

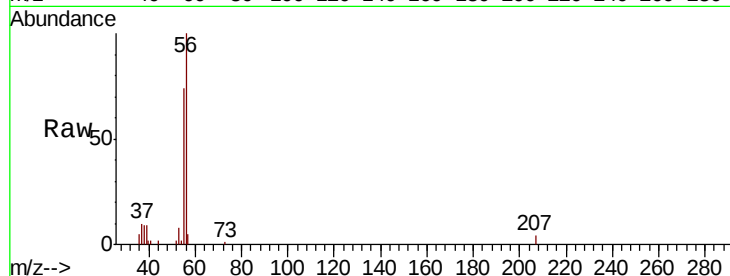
ClientSampleId :

Tot Ion: 56 Resp: 31102

Ion Ratio Lower Upper

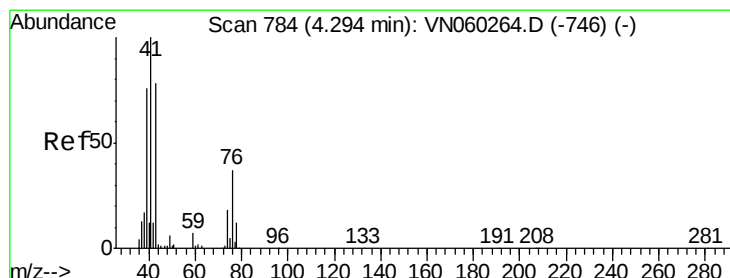
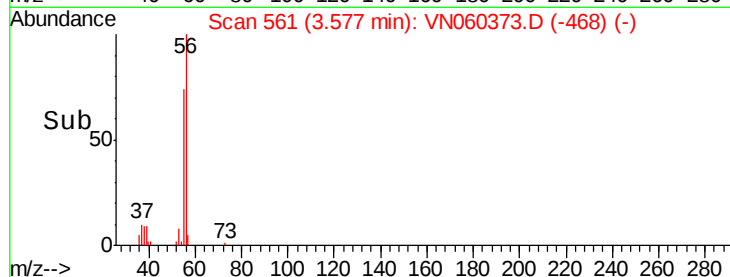
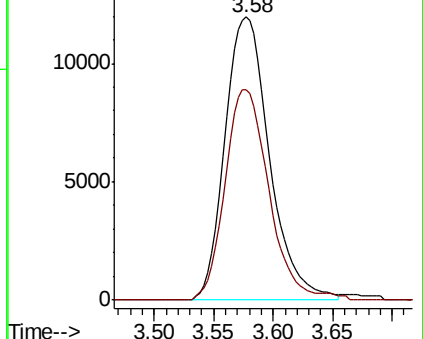
56 100

55 73.3 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN060373.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN060373.D (-468) (-)



#14

Allyl chloride

Concen: 17.909 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

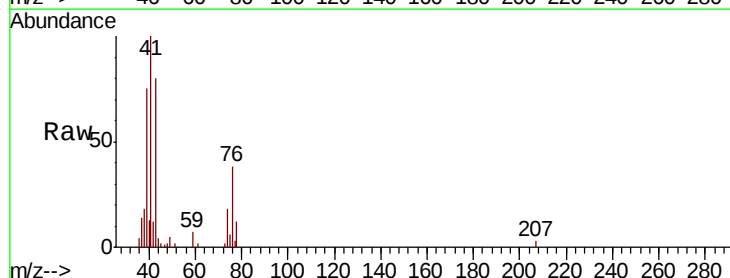
Tgt Ion: 41 Resp: 63870

Ion Ratio Lower Upper

41 100

39 71.3 55.4 83.2

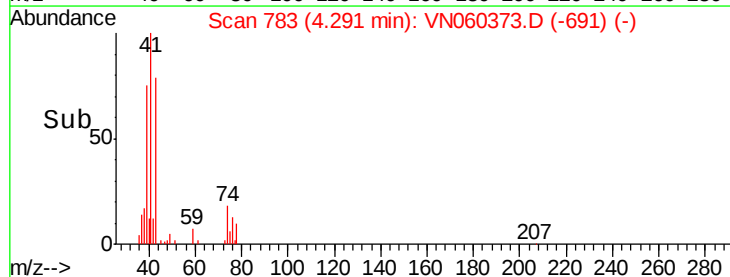
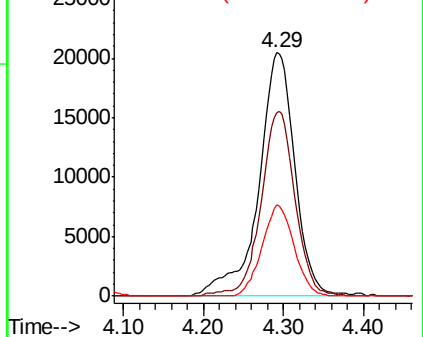
76 33.3 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN060373.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060373.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060373.D (-691) (-)





#15

Acrylonitrile

Concen: 92.807 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

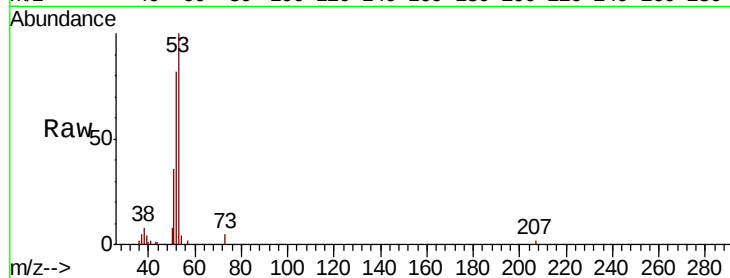
Tot Ion: 53 Resp: 93829

Ion Ratio Lower Upper

53 100

52 83.2 66.8 100.2

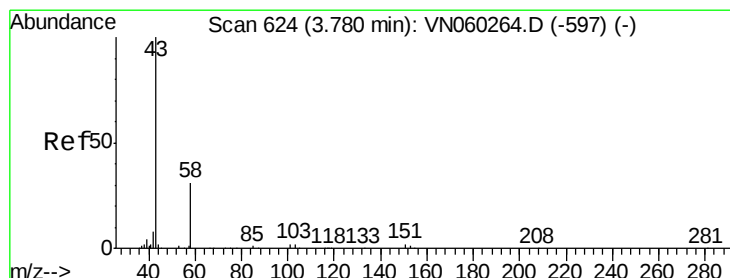
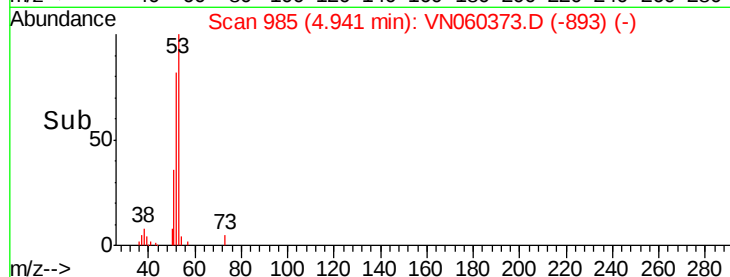
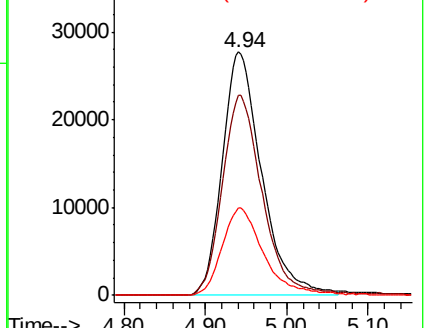
51 37.6 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060373.D (-531) (-)

Ion 52.00 (51.70 to 52.70): VN060373.D (-531) (-)

Ion 51.00 (50.70 to 51.70): VN060373.D (-531) (-)



#16

Acetone

Concen: 92.613 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060373.D

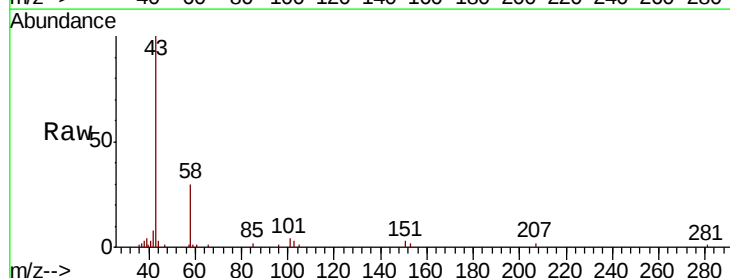
Acq: 6 Mar 2020 12:15

Tgt Ion: 43 Resp: 77256

Ion Ratio Lower Upper

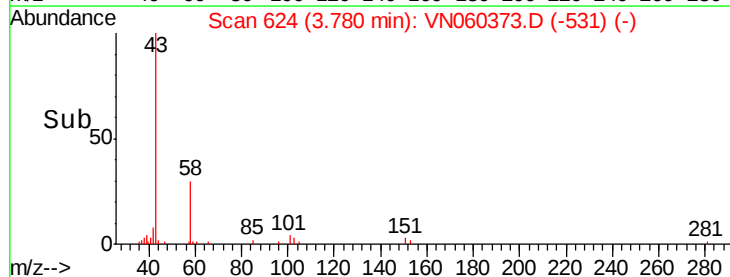
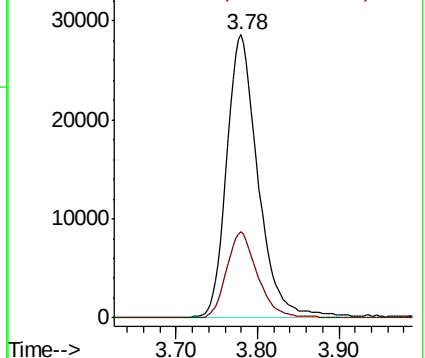
43 100

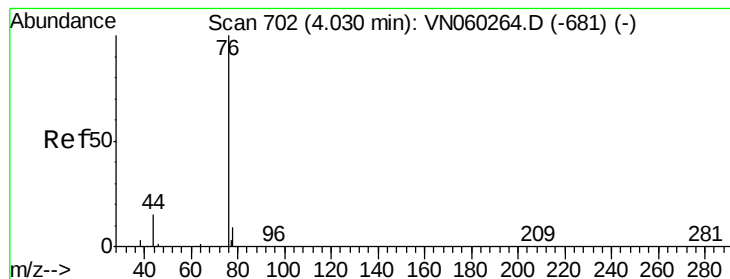
58 30.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060373.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060373.D (-531) (-)





#17

Carbon Disulfide

Concen: 16.383 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

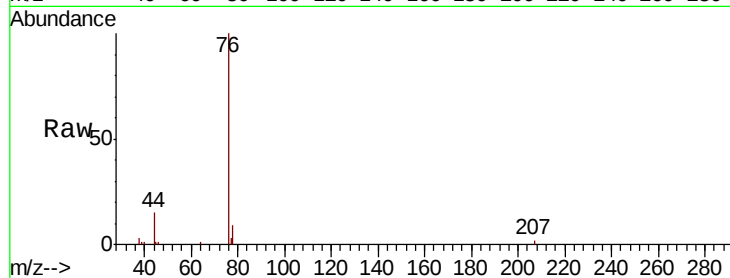
ClientSampleId :

Tot Ion: 76 Resp: 86526

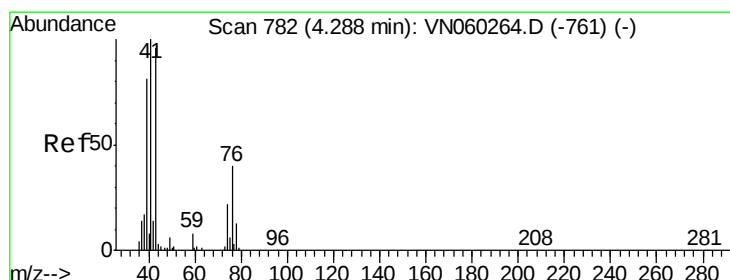
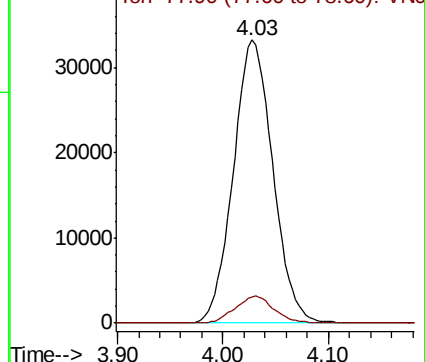
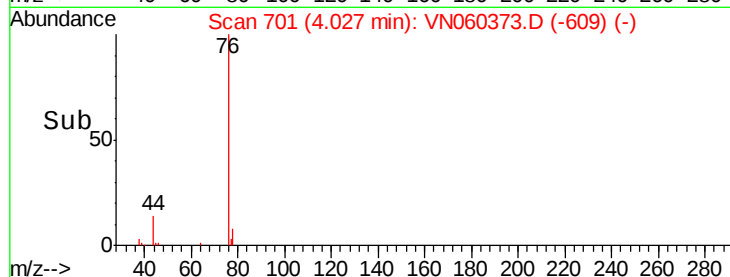
Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN060373.D (-609) (-)



#18

Methyl Acetate

Concen: 17.552 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060373.D

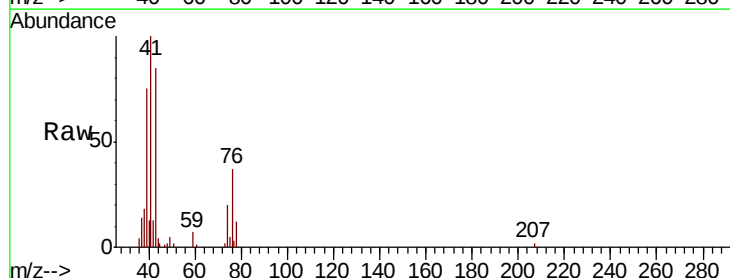
Acq: 6 Mar 2020 12:15

Tgt Ion: 43 Resp: 48862

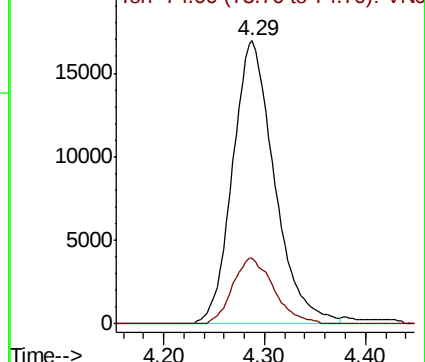
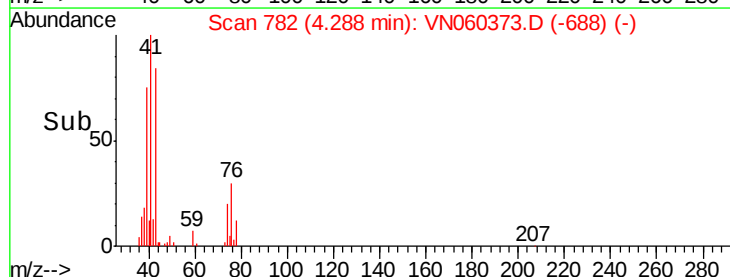
Ion Ratio Lower Upper

43 100

74 22.9 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN060373.D (-688) (-)

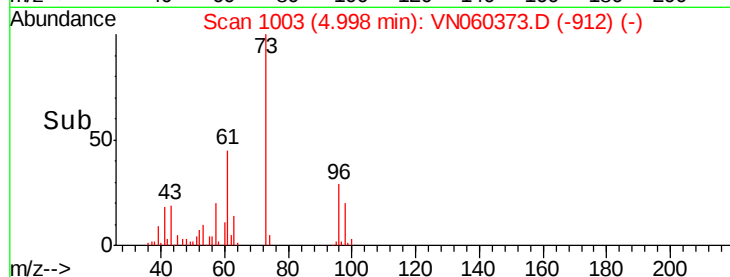
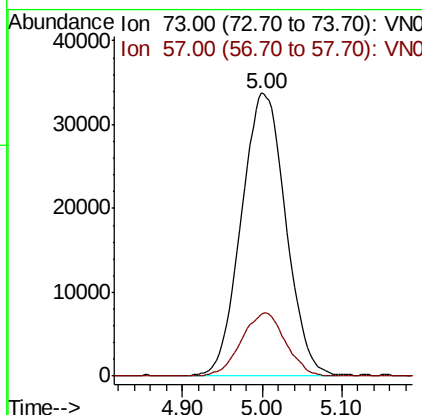
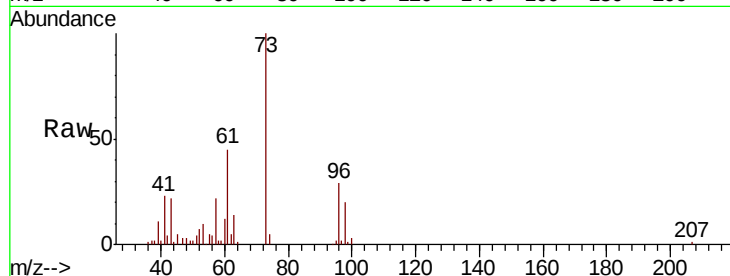




#19
Methyl tert-butyl Ether
Concen: 18.288 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

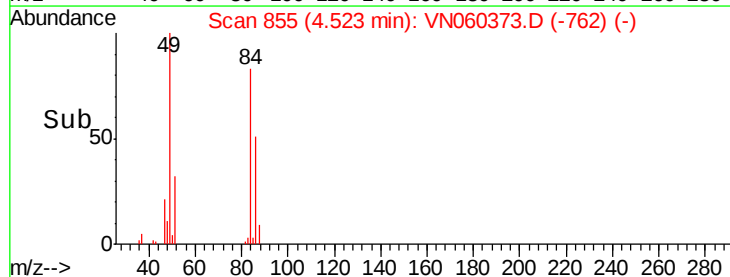
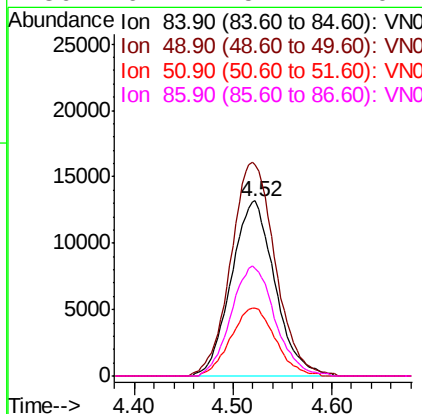
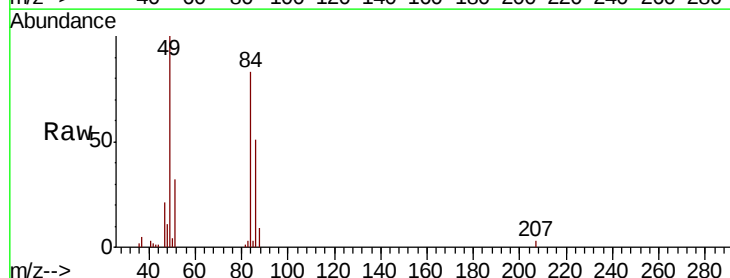
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 128432
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9



#20
Methylene Chloride
Concen: 17.647 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 84 Resp: 40429
Ion Ratio Lower Upper
84 100
49 120.5 99.3 148.9
51 38.7 30.1 45.1
86 61.4 51.1 76.7



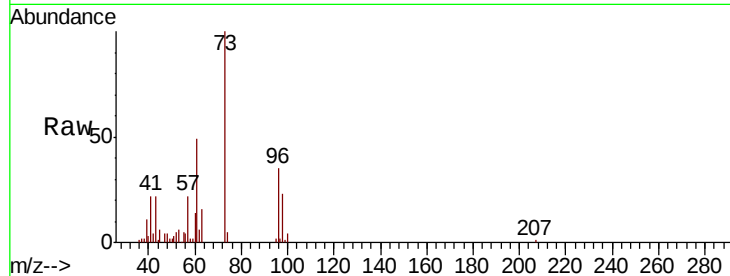


#21

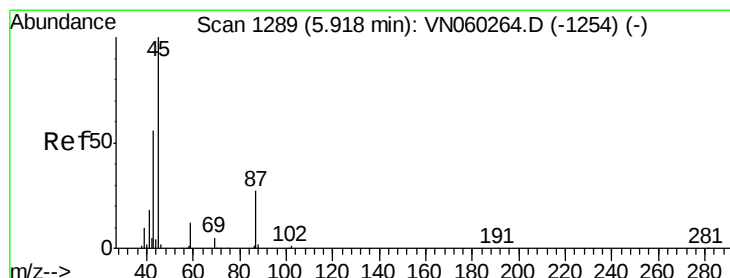
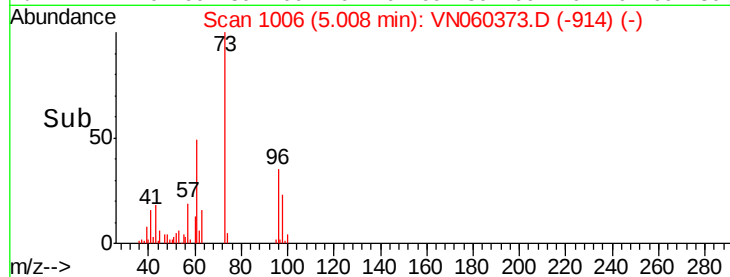
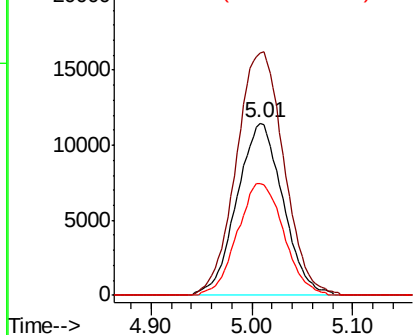
trans-1,2-Dichloroethene
Concen: 17.254 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 36438
Ion Ratio Lower Upper
96 100
61 140.8 113.8 170.8
98 65.2 48.8 73.2



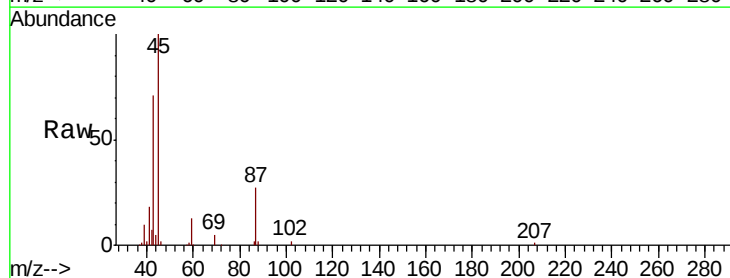
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



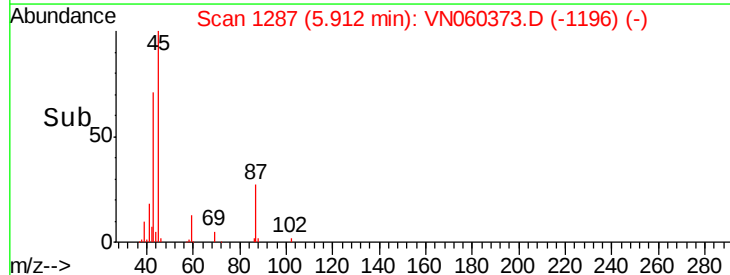
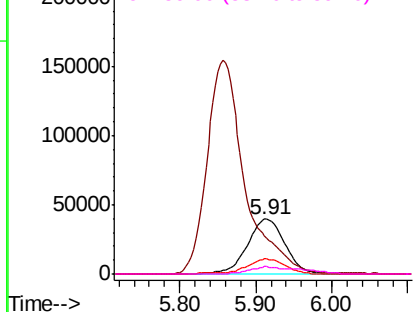
#22

Diisopropyl ether
Concen: 18.859 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 45 Resp: 136238
Ion Ratio Lower Upper
45 100
43 69.1 48.6 72.8
87 27.0 22.2 33.2
59 12.9 9.5 14.3



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

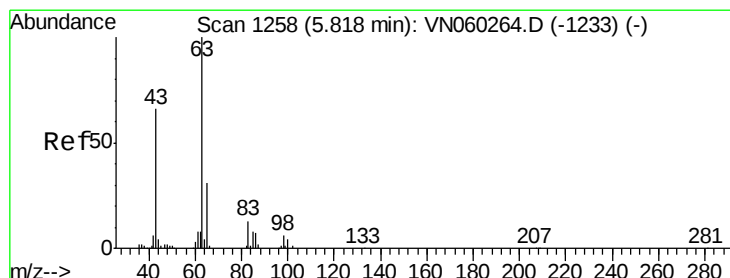
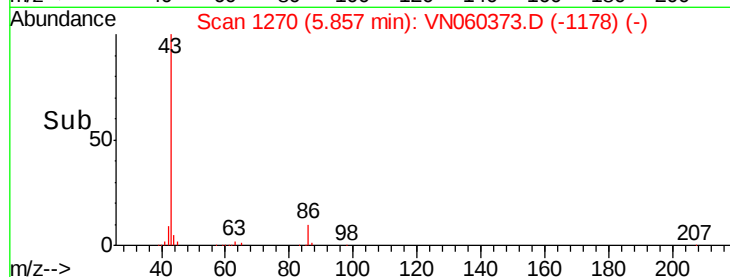
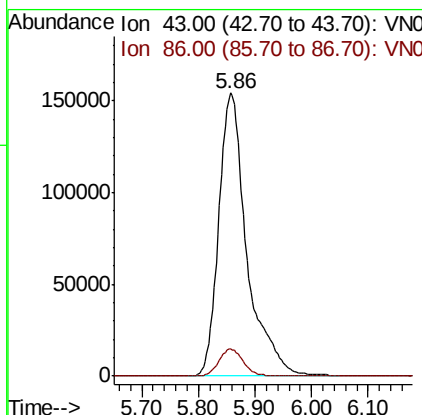
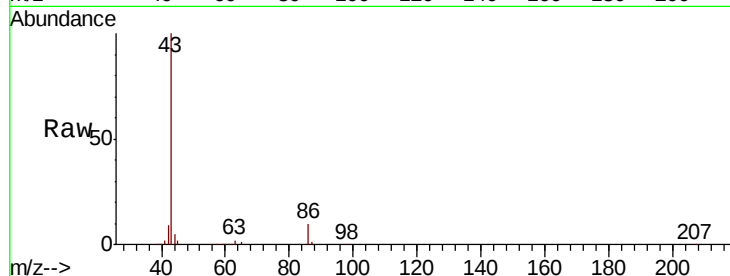




#23
 Vinyl Acetate
 Concen: 93.094 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

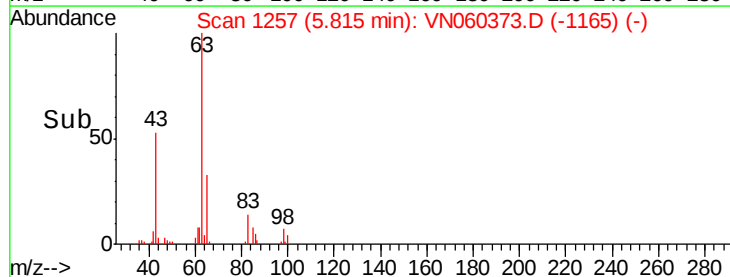
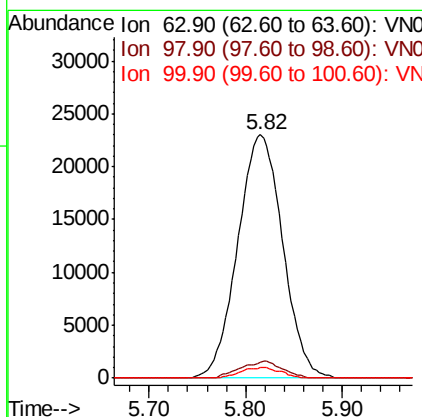
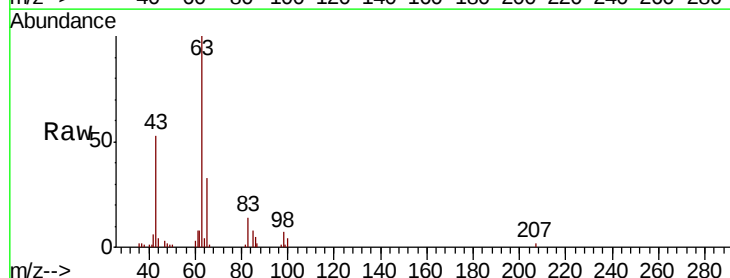
Instrument :
 MSVOA_N
 ClientSampleId :

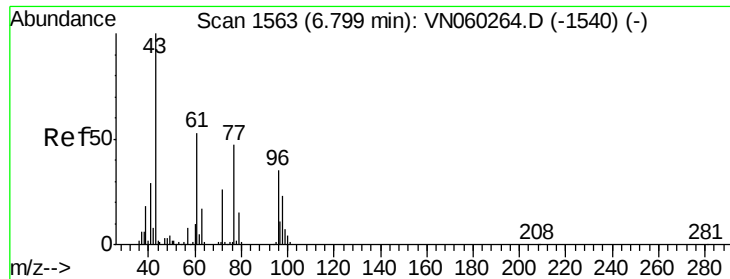
Tot Ion: 43 Resp: 534407
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 18.155 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion: 63 Resp: 74241
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.0
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 94.511 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

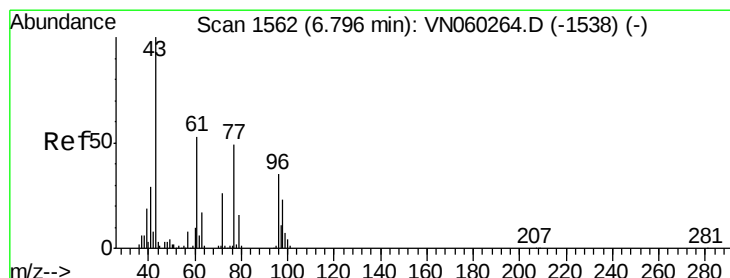
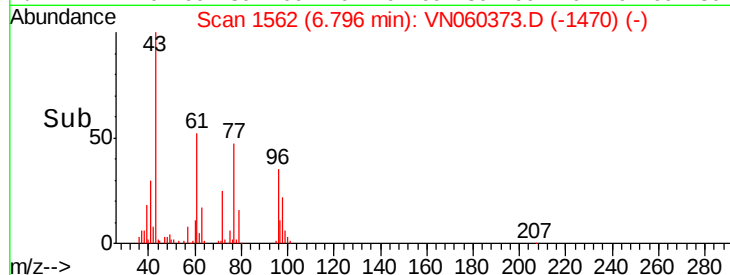
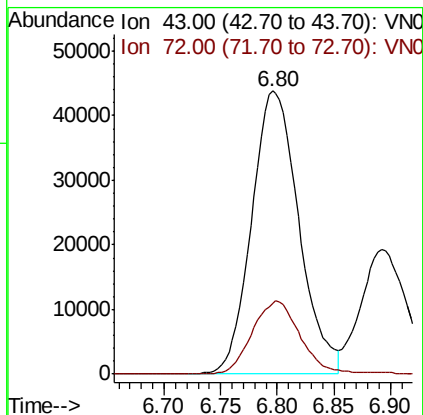
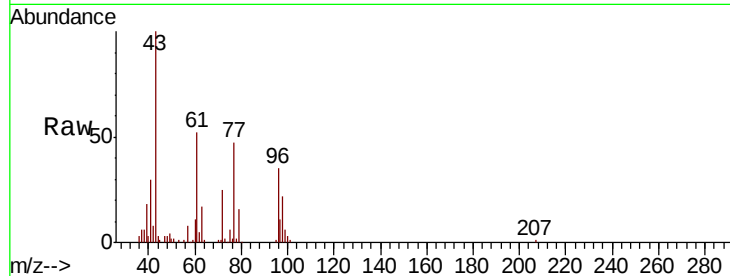
ClientSampled :

Tot Ion: 43 Resp: 127344

Ion Ratio Lower Upper

43 100

72 25.1 20.9 31.3



#26

2,2-Dichloropropane

Concen: 18.438 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060373.D

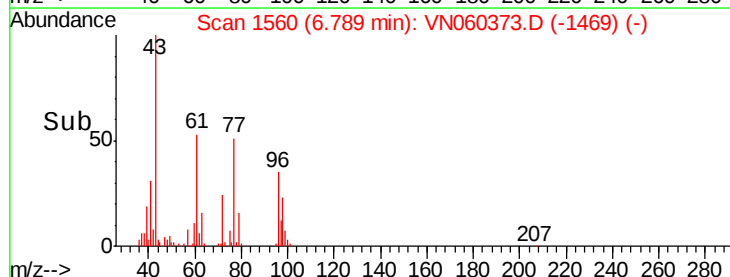
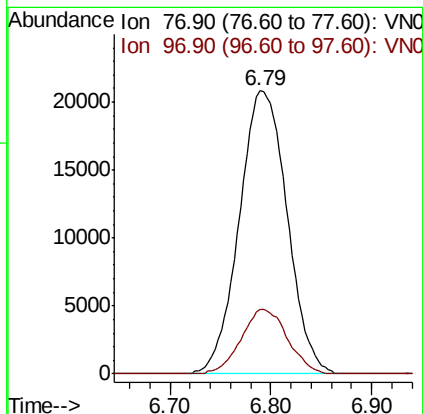
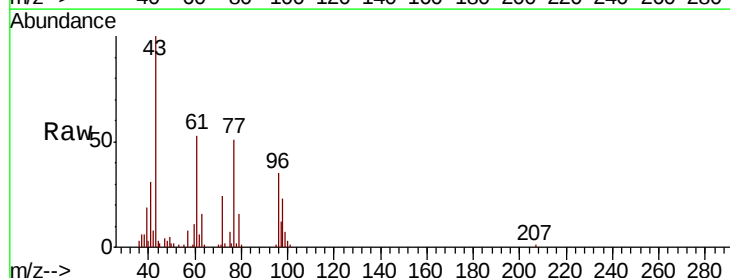
Acq: 6 Mar 2020 12:15

Tgt Ion: 77 Resp: 68642

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.134 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :

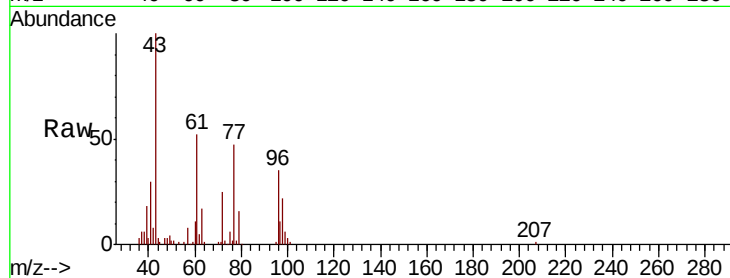
Tot Ion: 96 Resp: 45517

Ion Ratio Lower Upper

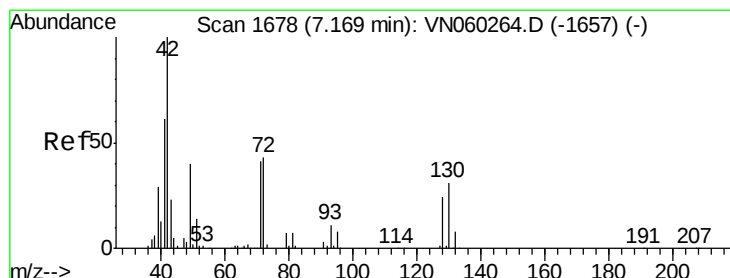
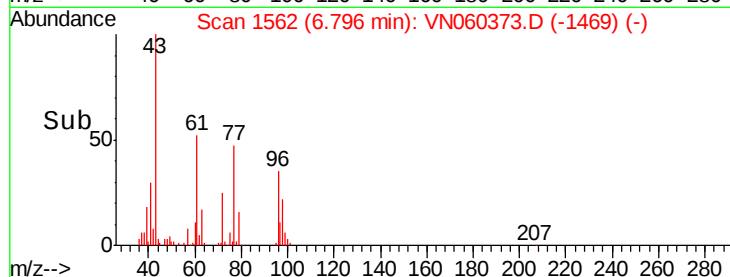
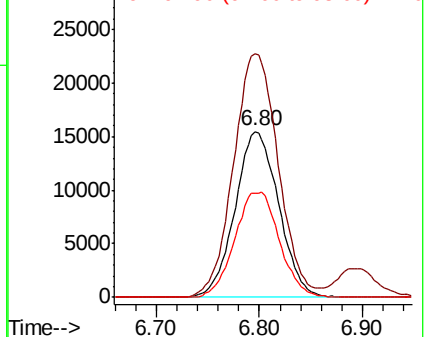
96 100

61 151.1 0.0 300.8

98 65.0 0.0 128.2



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



#28

Bromochloromethane

Concen: 17.805 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

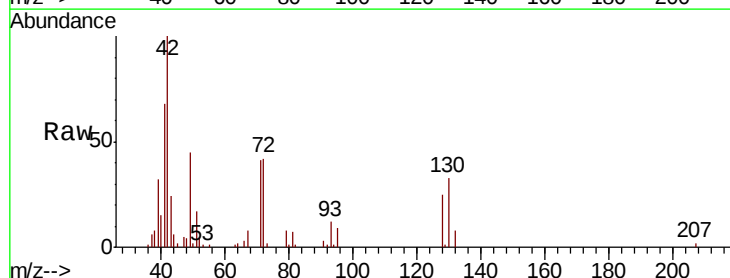
Tgt Ion: 49 Resp: 29894

Ion Ratio Lower Upper

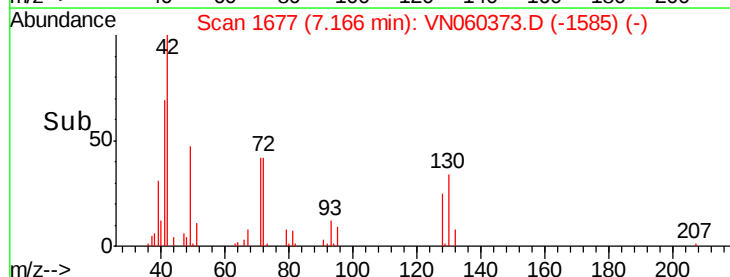
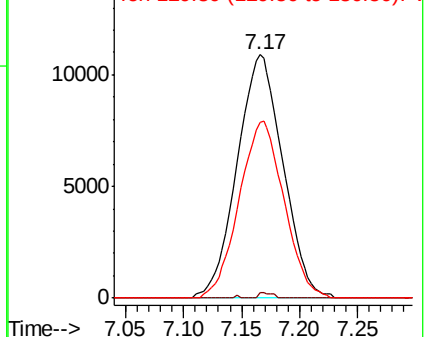
49 100

129 0.7 0.0 3.8

130 71.2 59.8 89.8



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

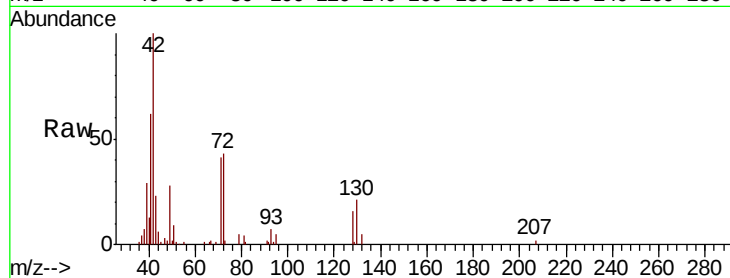




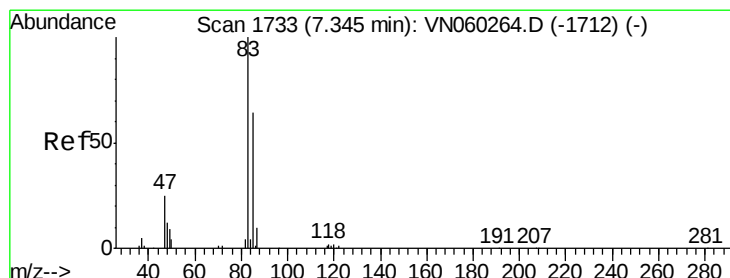
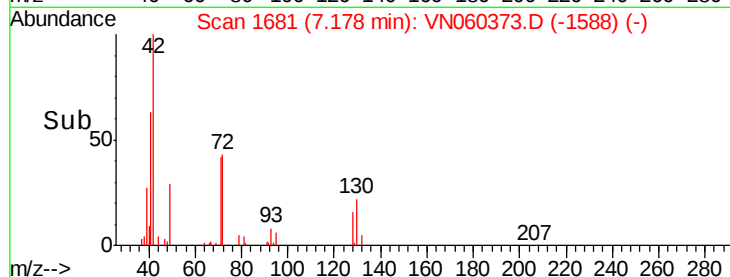
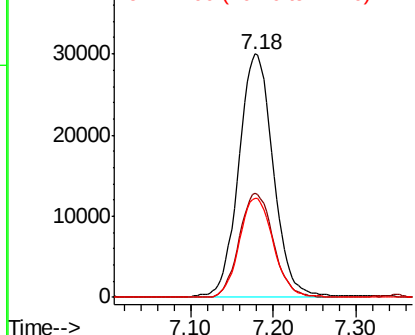
#29
Tetrahydrofuran
Concen: 92.962 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 87101
Ion Ratio Lower Upper
42 100
72 41.8 34.6 52.0
71 40.2 32.9 49.3

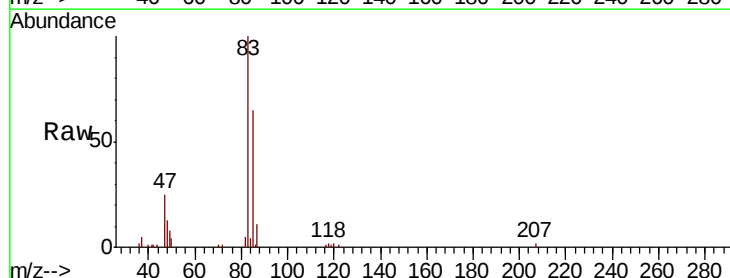


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

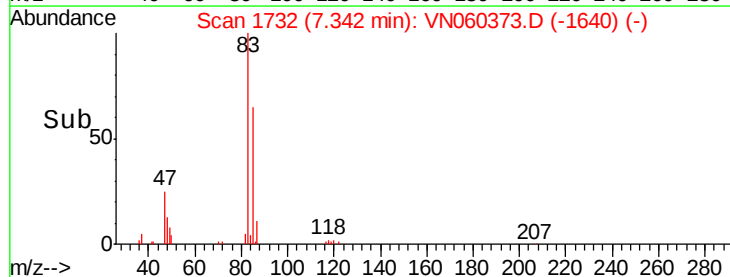
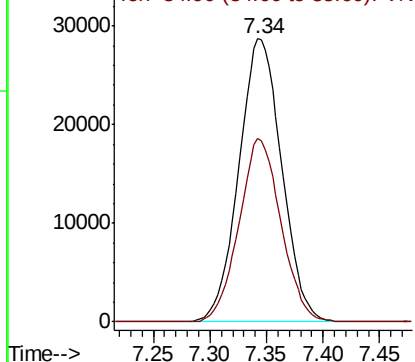


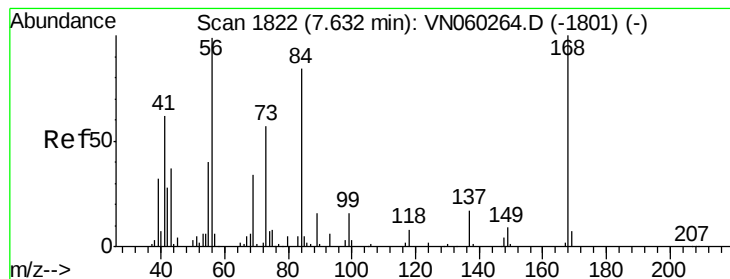
#30
Chloroform
Concen: 18.548 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 83 Resp: 75505
Ion Ratio Lower Upper
83 100
85 64.8 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: 18.354 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :

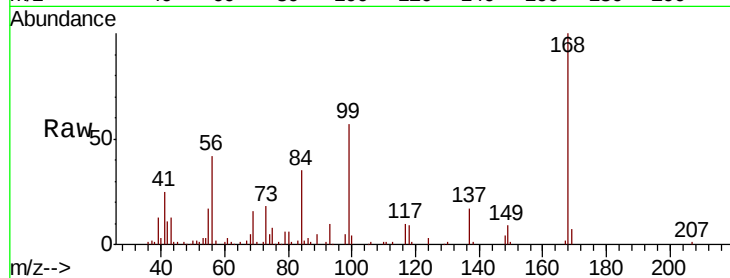
Tot Ion: 56 Resp: 67010

Ion Ratio Lower Upper

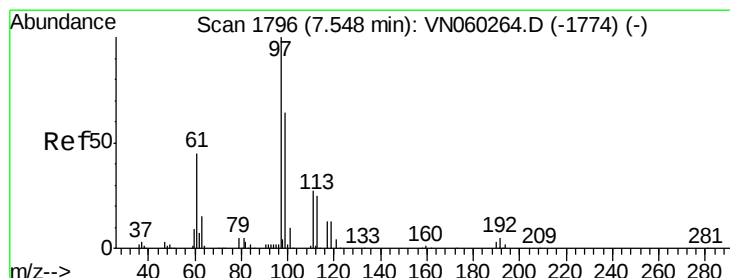
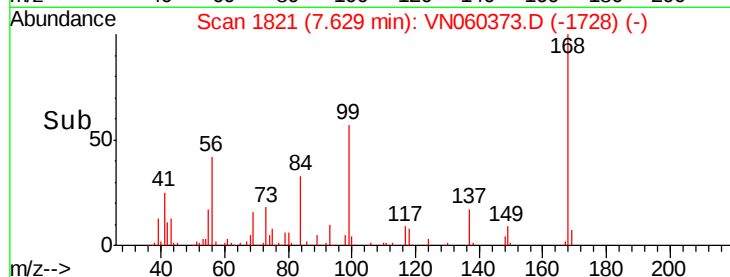
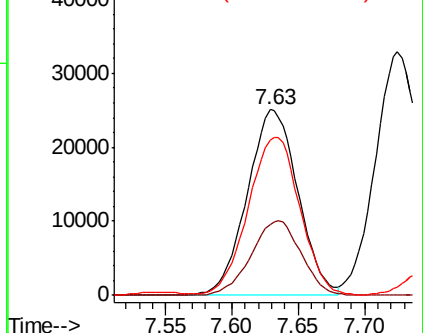
56 100

69 38.4 27.2 40.8

84 82.8 66.7 100.1



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



#32

1,1,1-Trichloroethane

Concen: 18.015 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

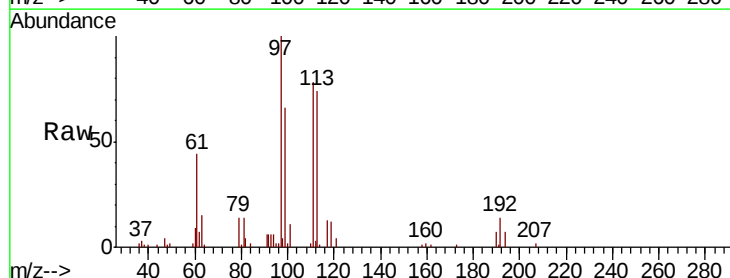
Tgt Ion: 97 Resp: 64975

Ion Ratio Lower Upper

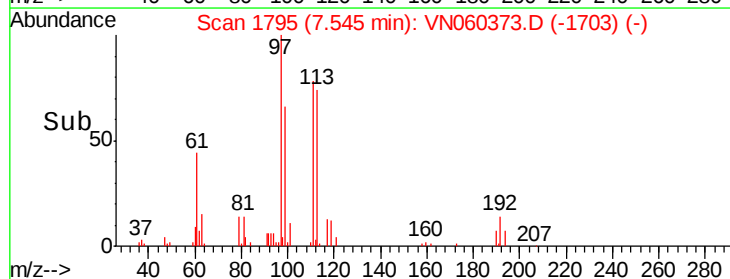
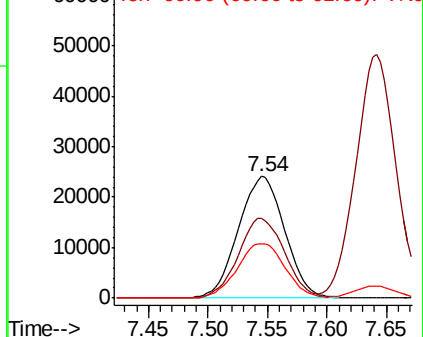
97 100

99 65.4 51.4 77.0

61 46.2 36.6 55.0



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

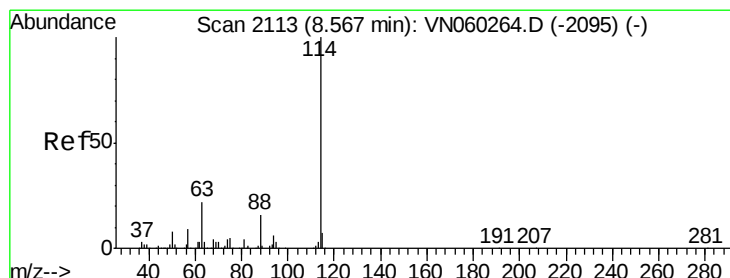
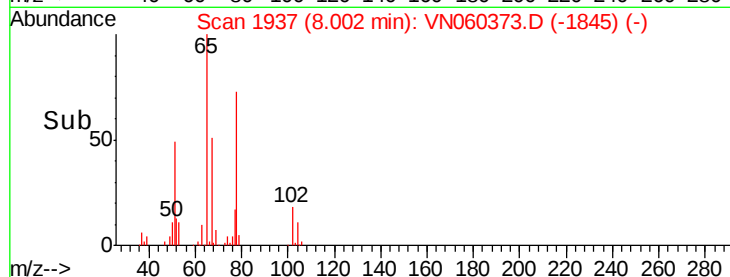
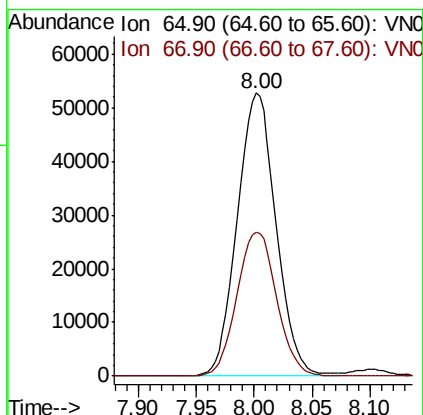
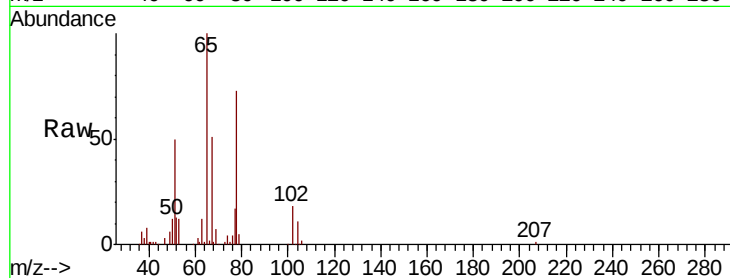




#33
 1,2-Dichloroethane-d4
 Concen: 47.508 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

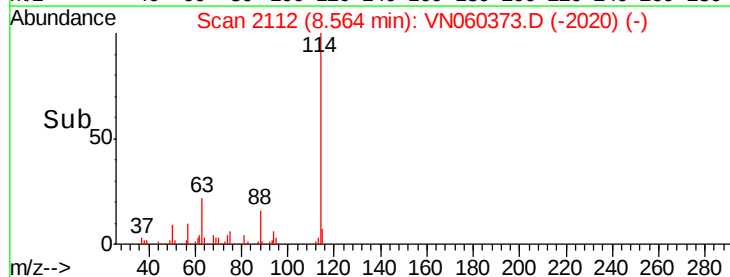
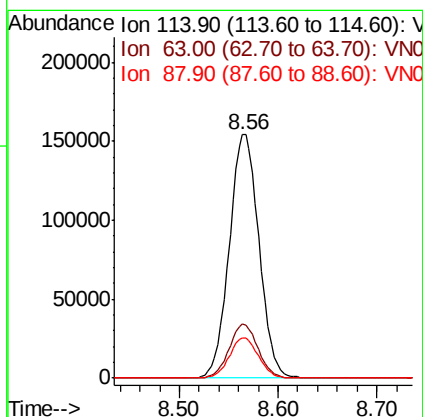
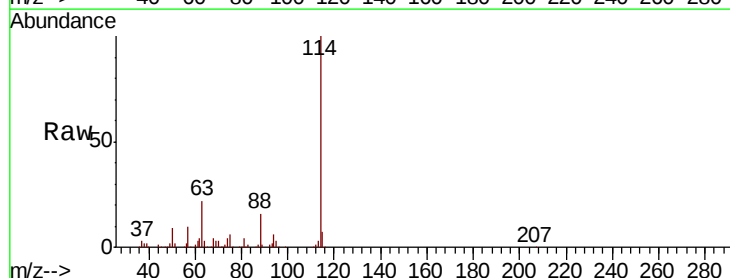
Instrument :
 MSVOA_N
 ClientSampled :

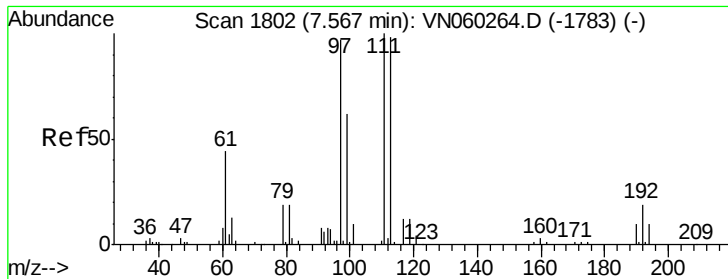
Tot Ion: 65 Resp: 122720
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion: 114 Resp: 323880
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.4 0.0 31.6

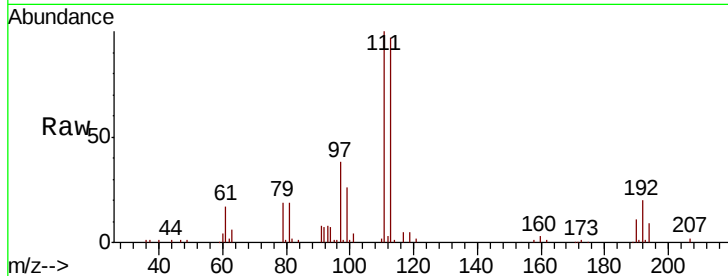




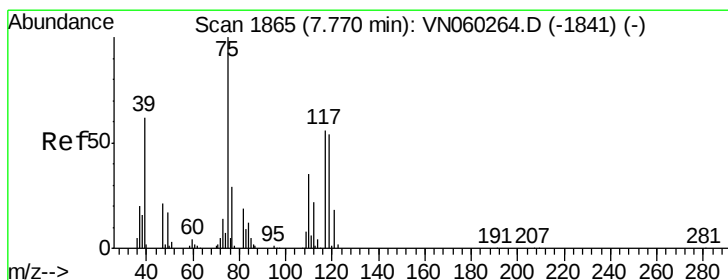
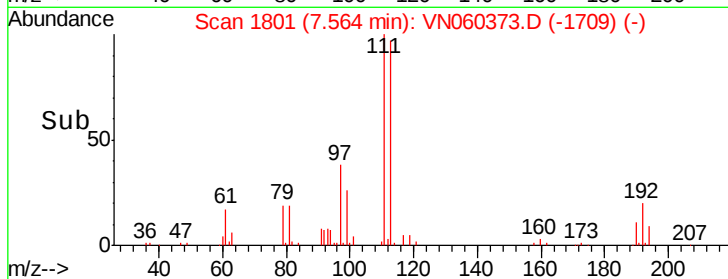
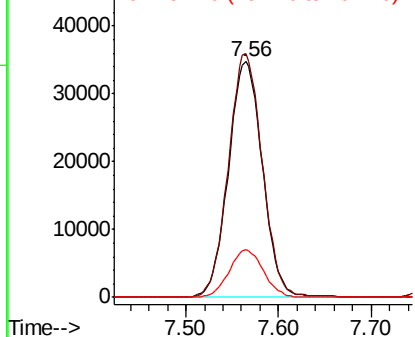
#35
 Dibromofluoromethane
 Concen: 58.993 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	20.3	16.2	24.2

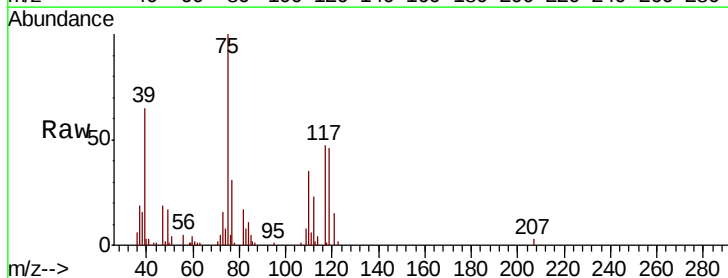


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

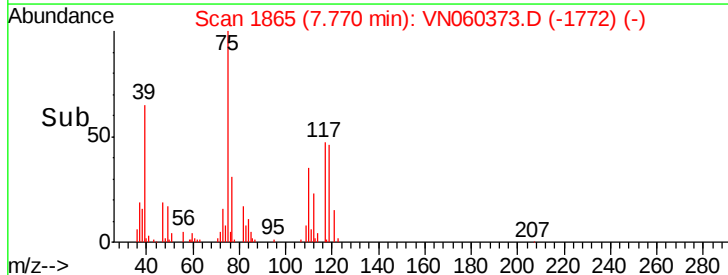
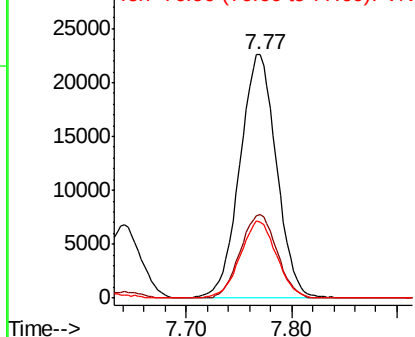


#36
 1,1-Dichloropropene
 Concen: 17.735 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	31.4	24.2	36.2



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

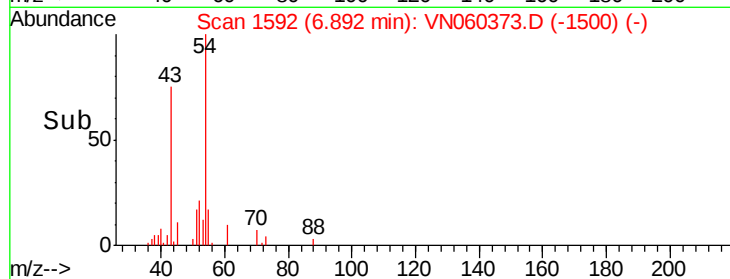
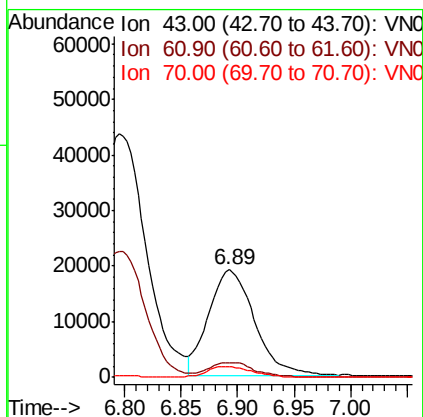
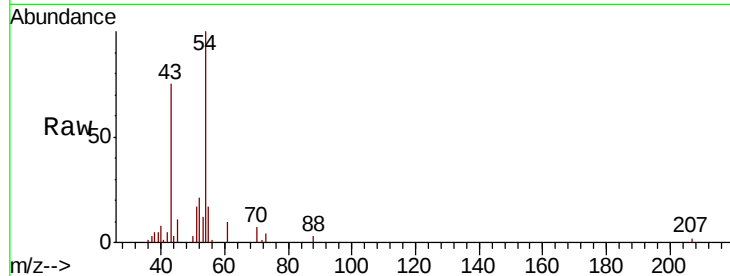




#37
Ethyl Acetate
Concen: 18.455 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

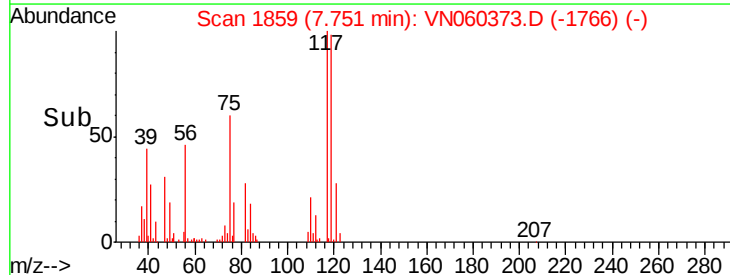
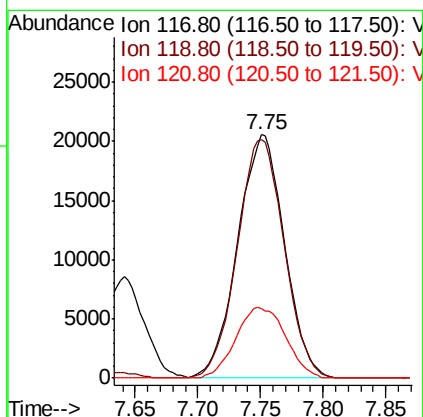
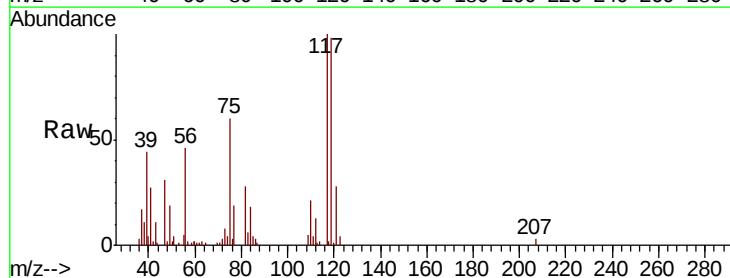
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 53940
Ion Ratio Lower Upper
43 100
61 14.2 11.1 16.7
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 17.735 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 117 Resp: 53298
Ion Ratio Lower Upper
117 100
119 98.0 76.7 115.1
121 28.4 24.5 36.7

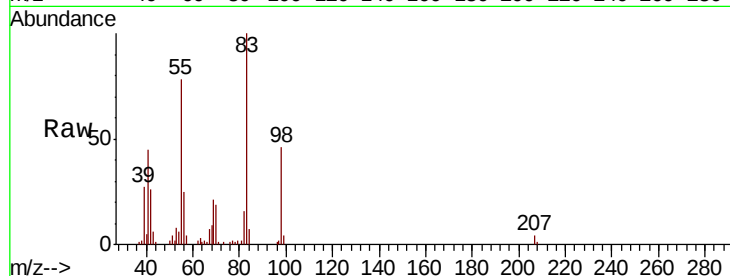




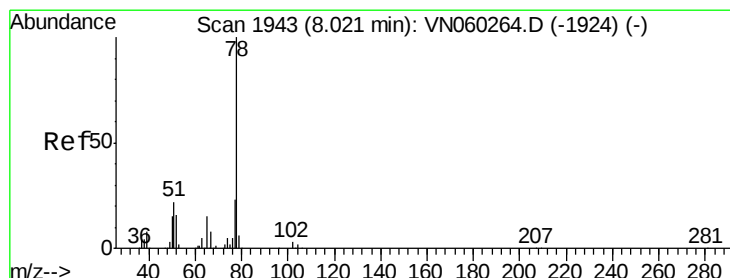
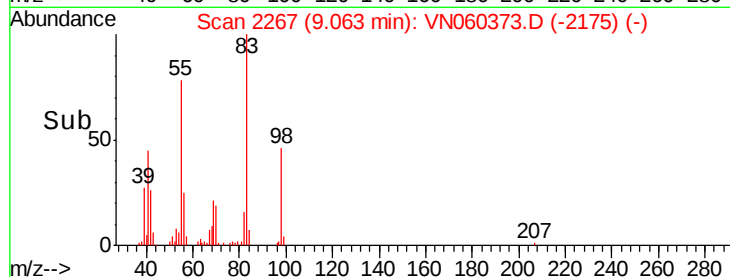
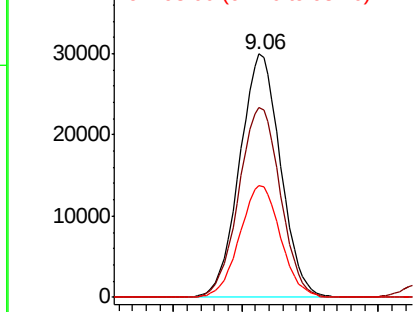
#39
Methvlcvclohexane
Concen: 17.099 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 62229
Ion Ratio Lower Upper
83 100
55 78.2 61.0 91.4
98 46.0 36.1 54.1

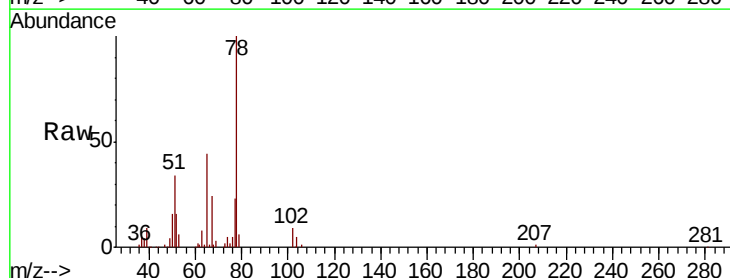


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

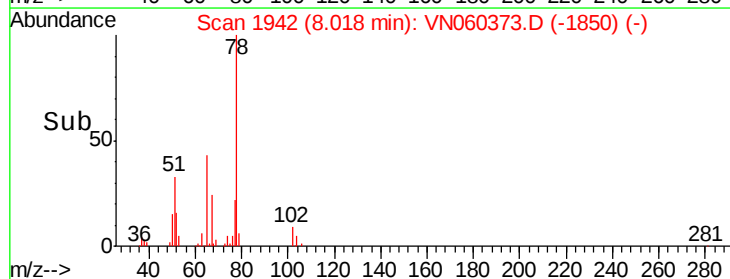
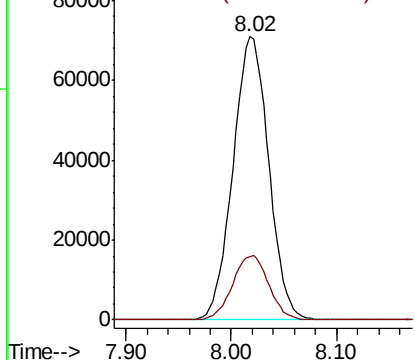


#40
Benzene
Concen: 18.572 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 78 Resp: 166856
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2



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

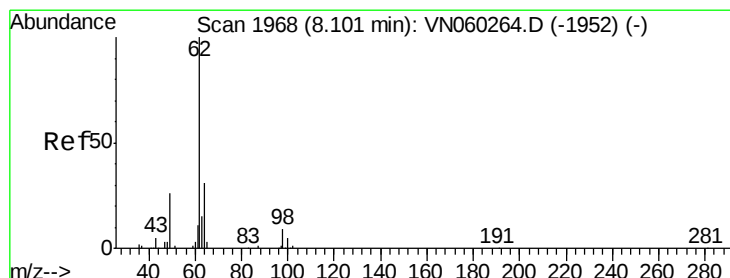
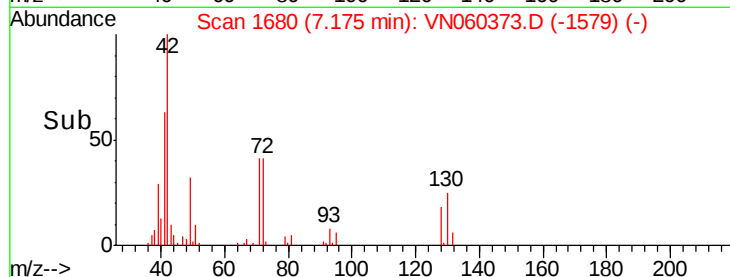
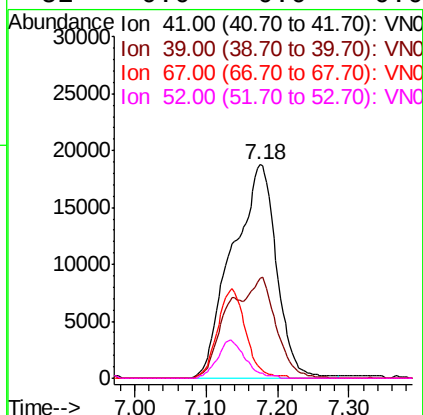
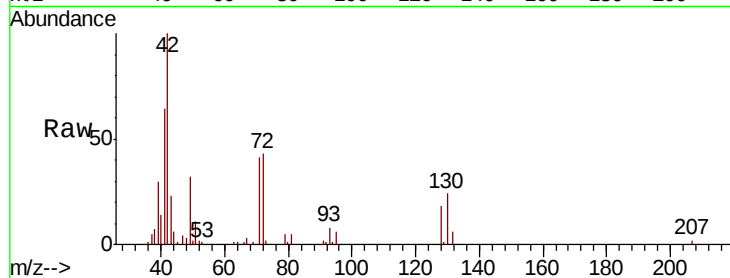




#41
Methacrylonitrile
Concen: 59.843 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

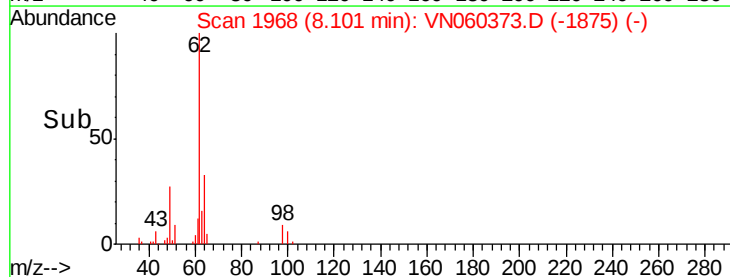
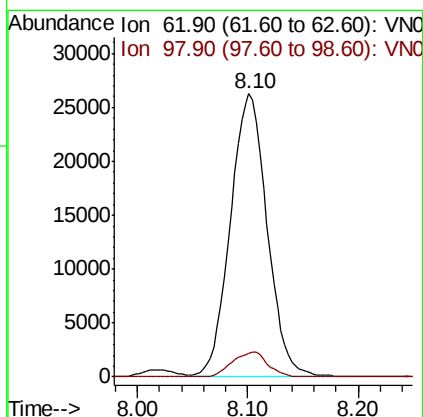
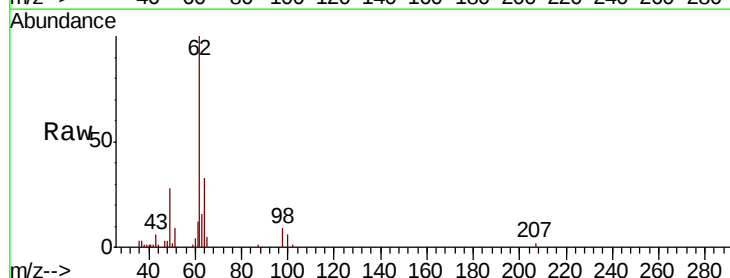
Instrument :
MSVOA_N
ClientSampled :

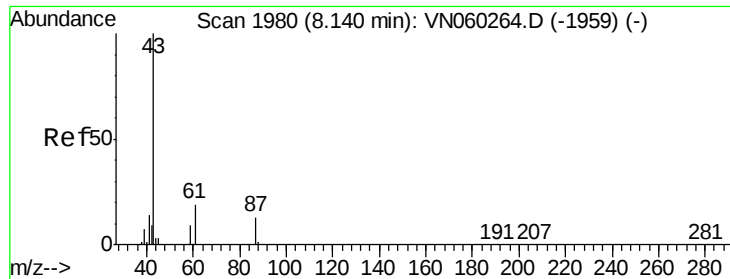
Tot Ion:	41	Resp:	80761
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 18.727 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion:	62	Resp:	60712
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.003 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

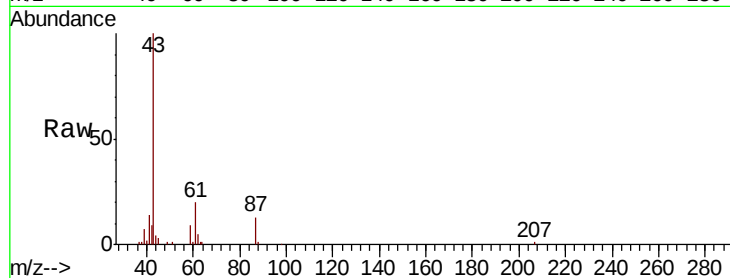
Tot Ion: 43 Resp: 97232

Ion Ratio Lower Upper

43 100

61 26.3 20.9 31.3

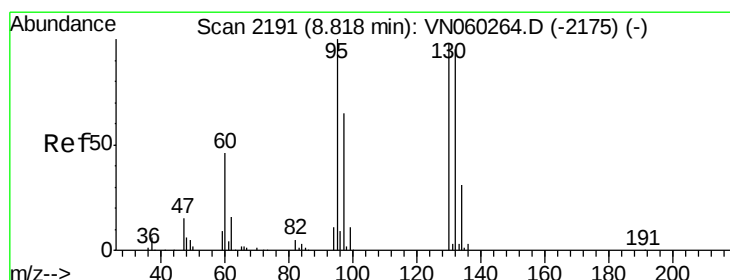
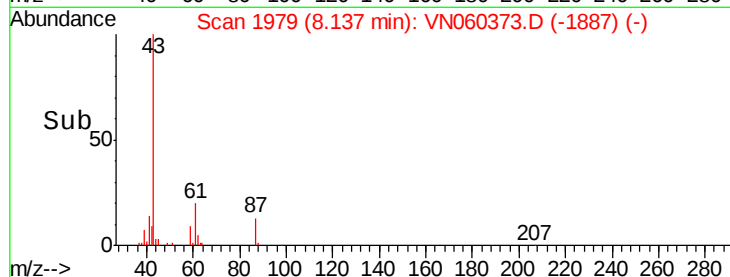
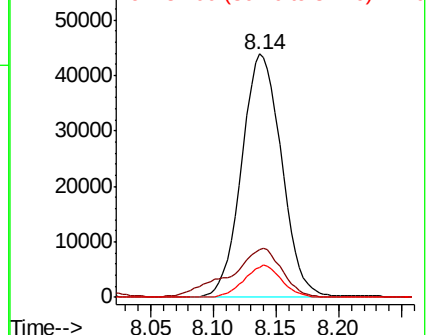
87 12.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060373.D (-1979) (-)

Ion 61.00 (60.70 to 61.70): VN060373.D (-1979) (-)

Ion 87.00 (86.70 to 87.70): VN060373.D (-1979) (-)



#44

Trichloroethene

Concen: 17.938 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060373.D

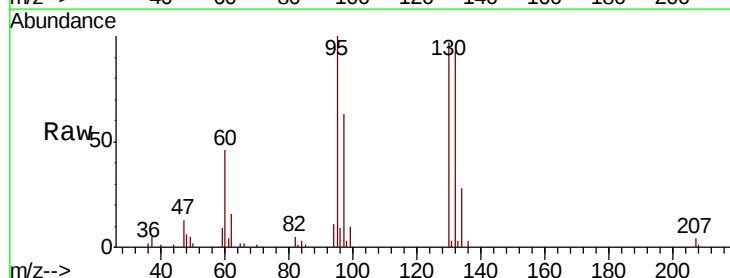
Acq: 6 Mar 2020 12:15

Tgt Ion: 130 Resp: 44883

Ion Ratio Lower Upper

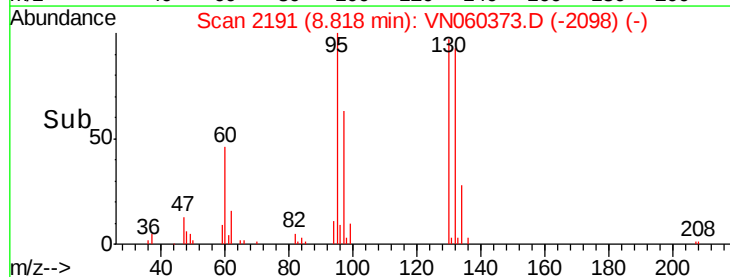
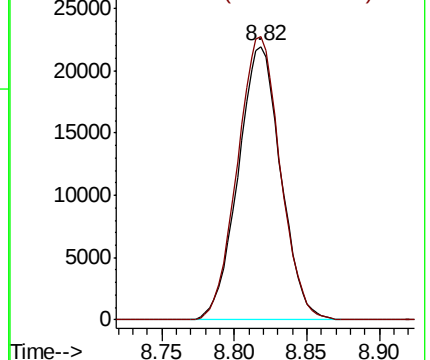
130 100

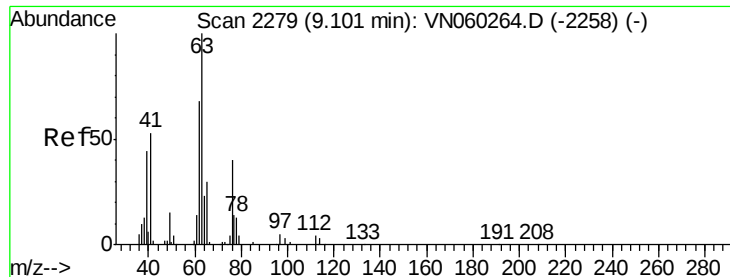
95 103.6 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060373.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN060373.D (-2191) (-)

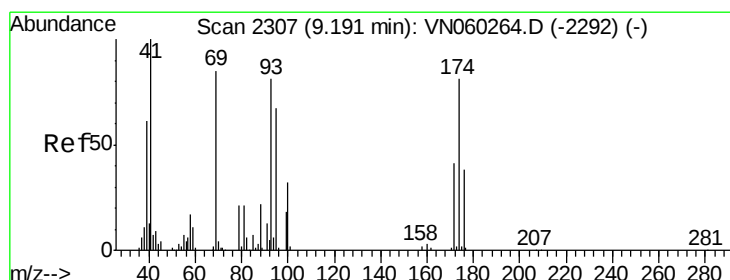
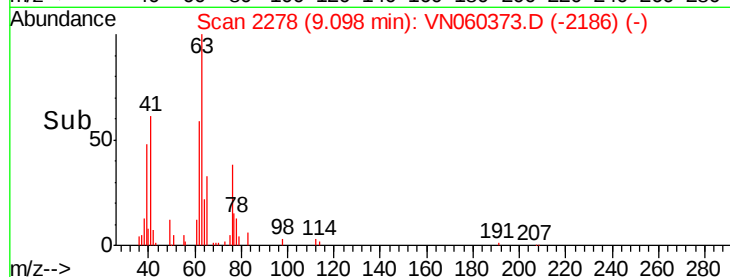
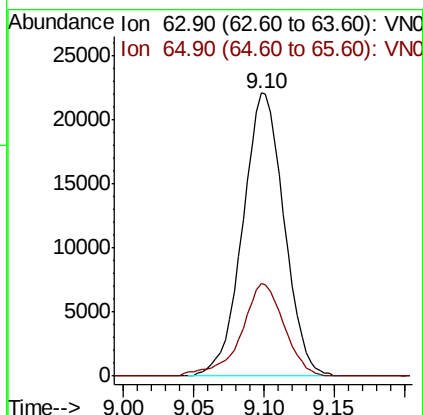
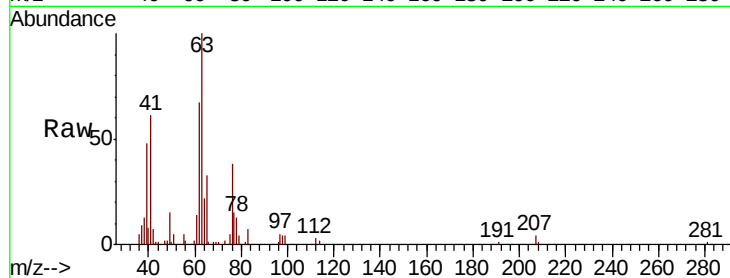




#45
 1,2-Dichloropropane
 Concen: 19.306 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

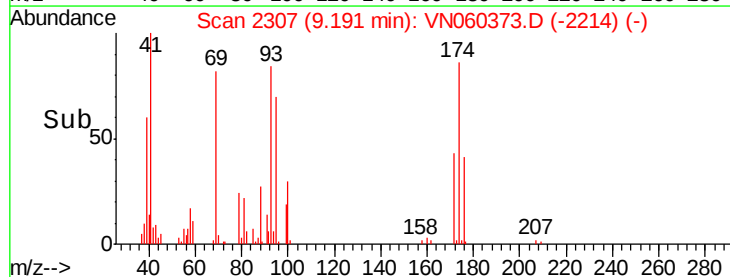
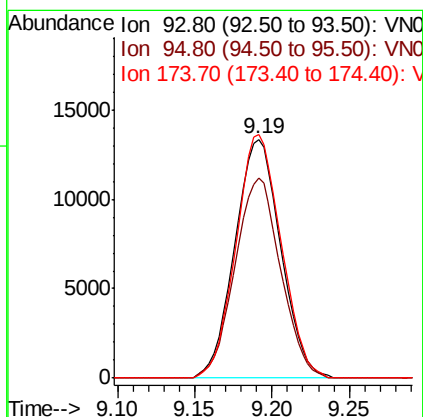
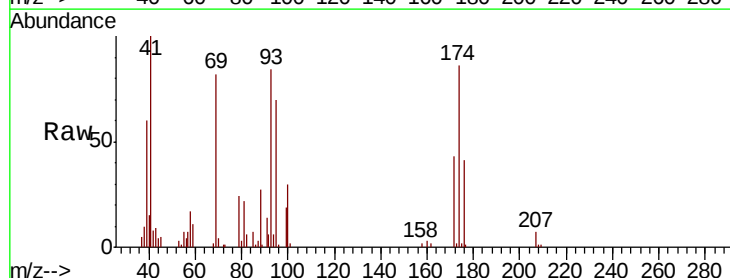
Instrument :
 MSVOA_N
 ClientSampled :

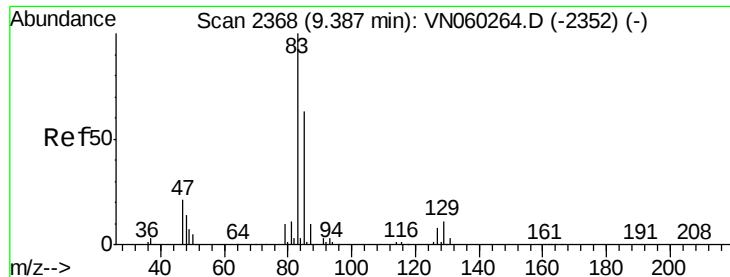
Tot Ion: 63 Resp: 45348
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.4 36.6



#46
 Dibromomethane
 Concen: 18.080 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion: 93 Resp: 27556
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.9 98.9
 174 100.4 79.6 119.4





#47

Bromodichloromethane

Concen: 19.510 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :

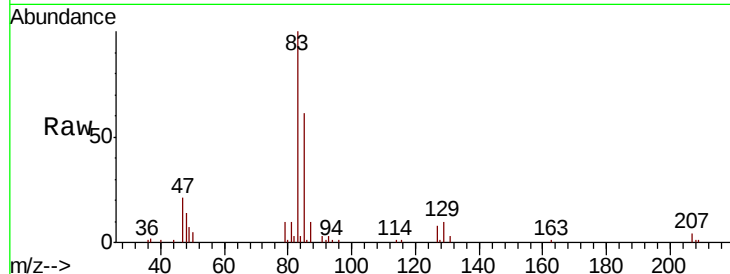
Tot Ion: 83 Resp: 60479

Ion Ratio Lower Upper

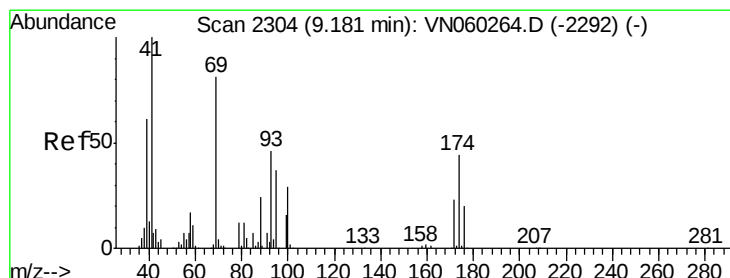
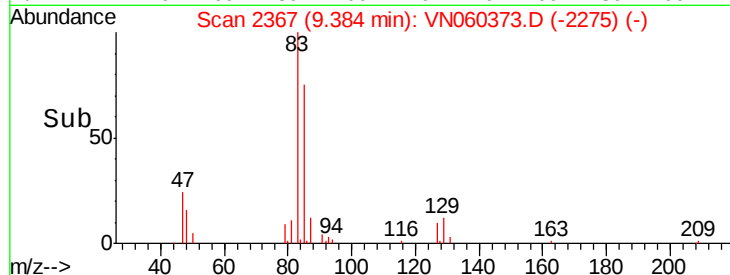
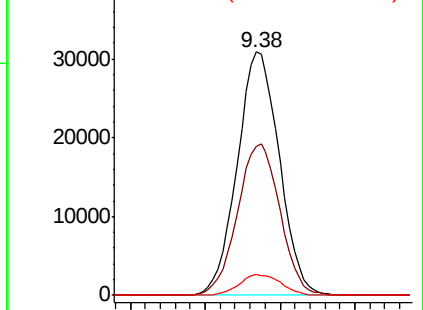
83 100

85 61.1 50.7 76.1

127 8.3 6.8 10.2



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



#48

Methyl methacrylate

Concen: 17.829 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

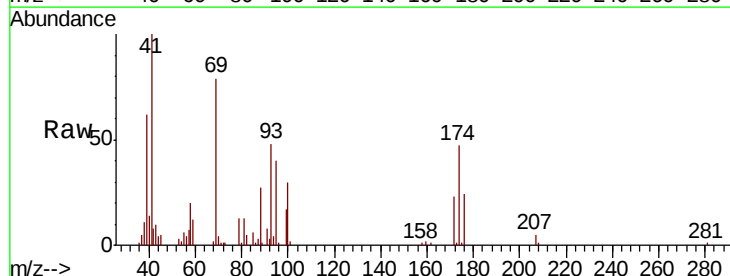
Tgt Ion: 41 Resp: 41600

Ion Ratio Lower Upper

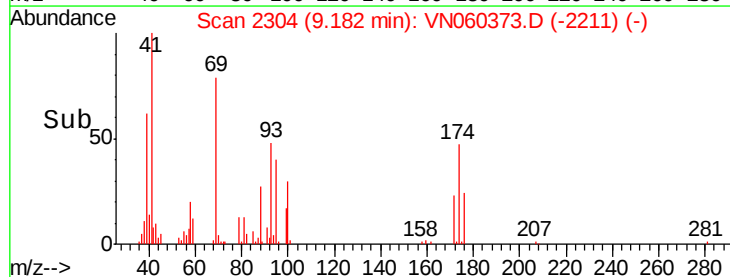
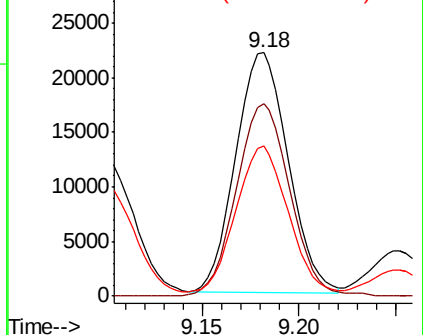
41 100

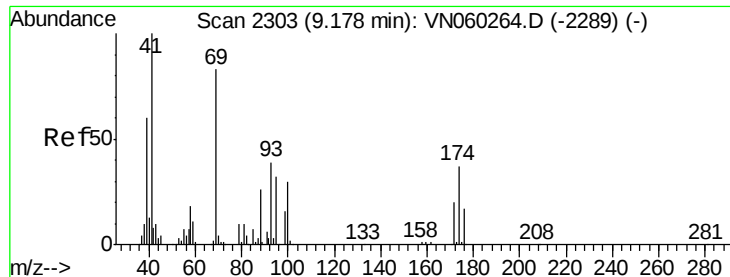
69 81.6 66.7 100.1

39 63.6 50.1 75.1



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

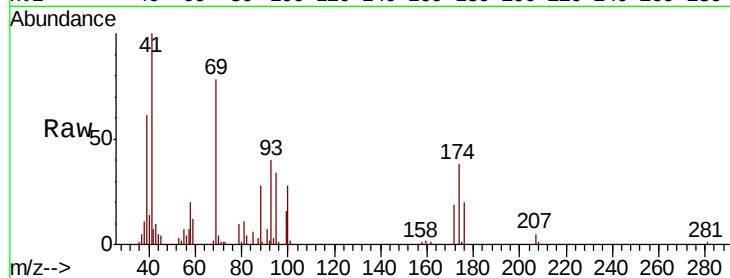




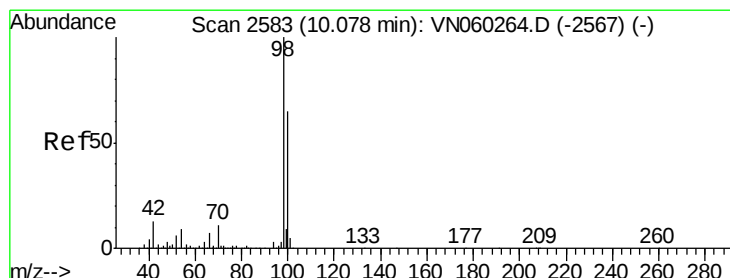
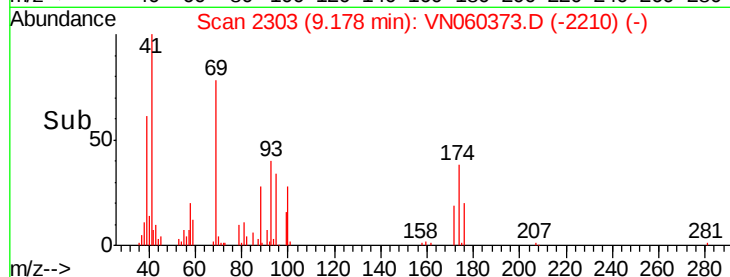
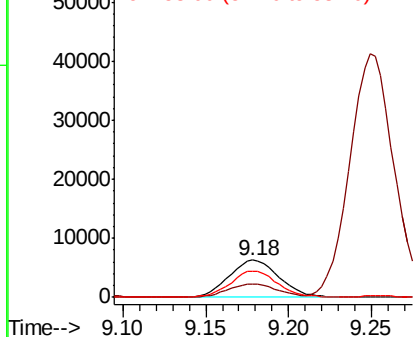
#49
 1,4-Dioxane
 Concen: 401.612 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 13178
 Ion Ratio Lower Upper
 88 100
 43 35.9 30.4 45.6
 58 67.5 57.0 85.6

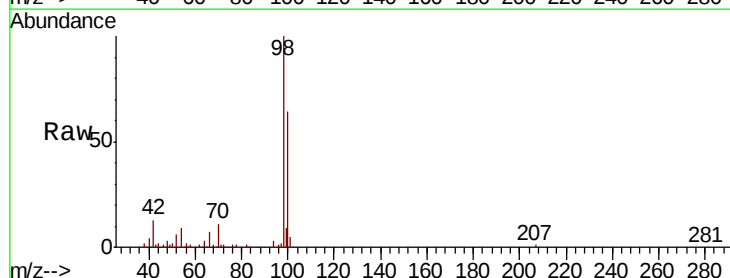


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

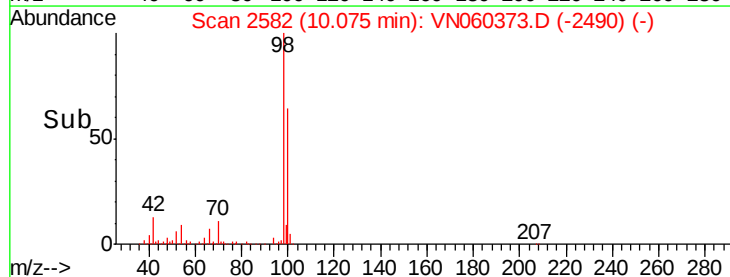
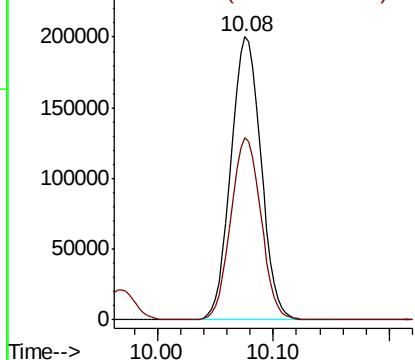


#50
 Toluene-d8
 Concen: 47.191 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion: 98 Resp: 359058
 Ion Ratio Lower Upper
 98 100
 100 64.6 52.2 78.2



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

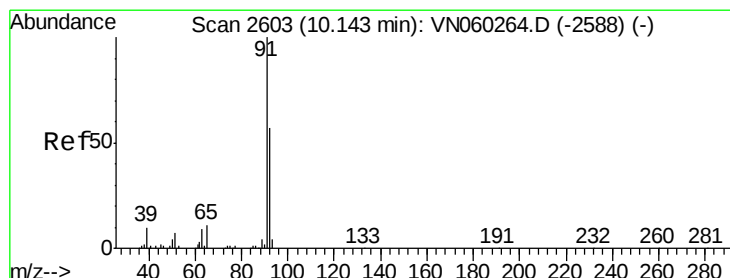
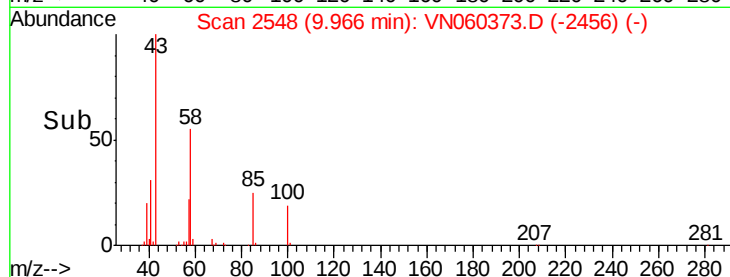
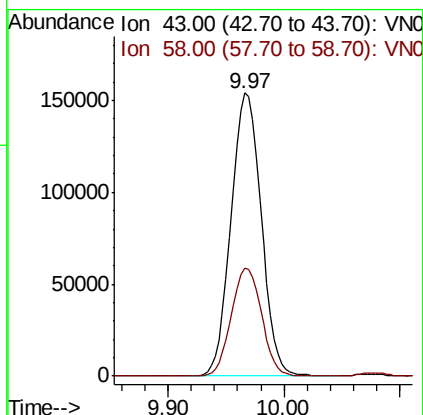
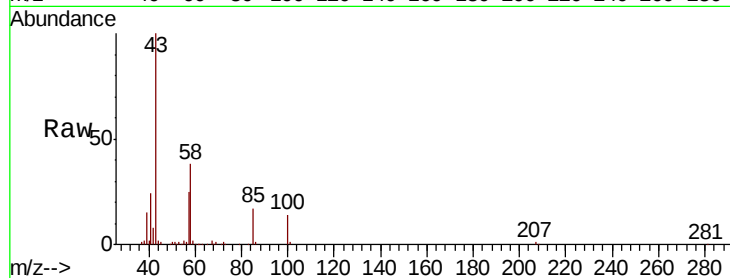




#51
4-Methyl-2-Pentanone
Concen: 95.961 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

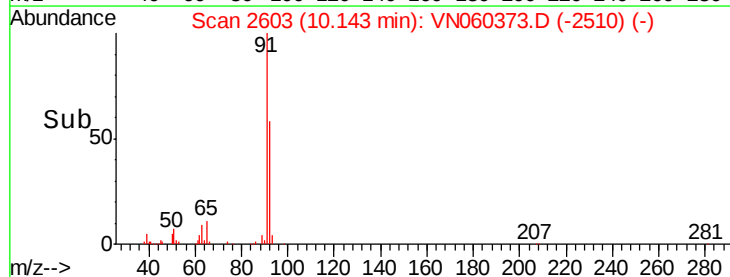
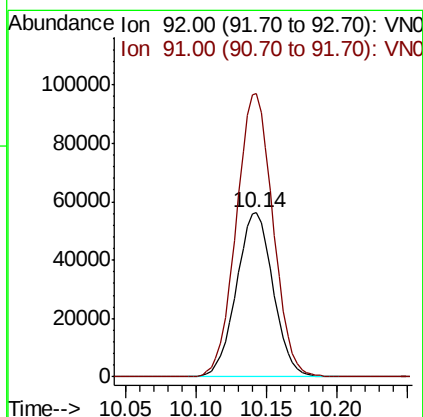
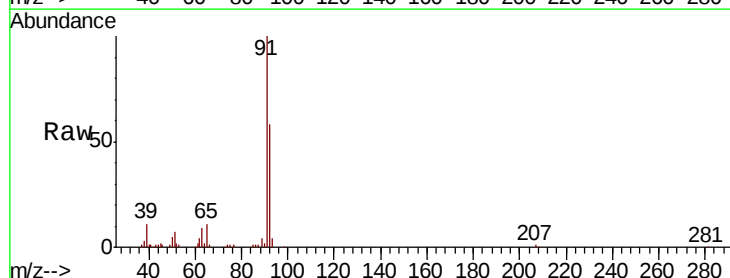
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 278396
Ion Ratio Lower Upper
43 100
58 38.1 30.9 46.3



#52
Toluene
Concen: 18.182 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 92 Resp: 102612
Ion Ratio Lower Upper
92 100
91 172.5 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 17.979 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

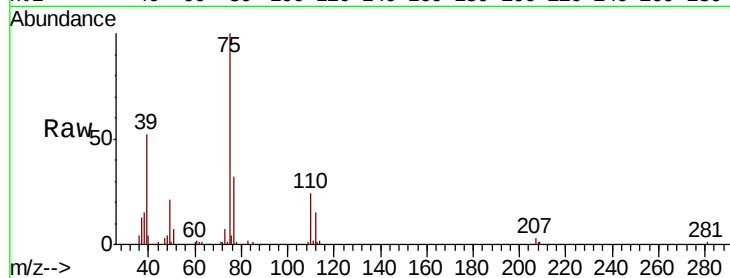
ClientSampleId :

Tot Ion: 75 Resp: 68290

Ion Ratio Lower Upper

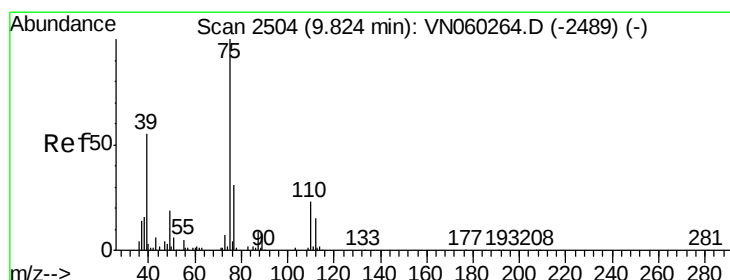
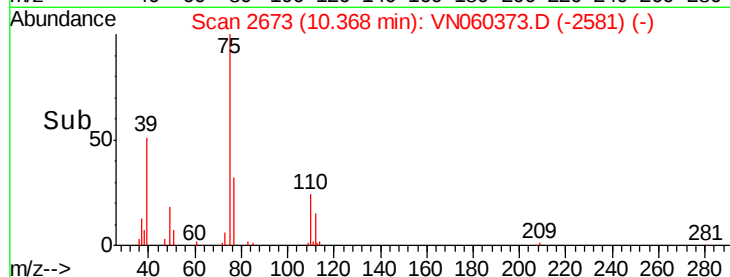
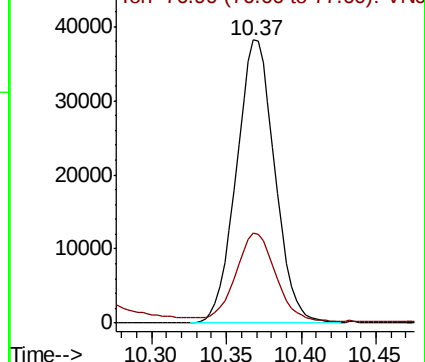
75 100

77 31.0 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: 18.383 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

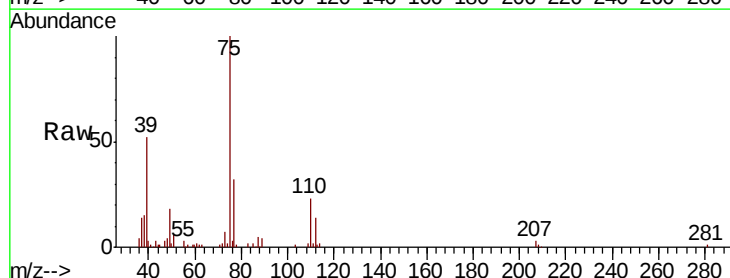
Tgt Ion: 75 Resp: 72353

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

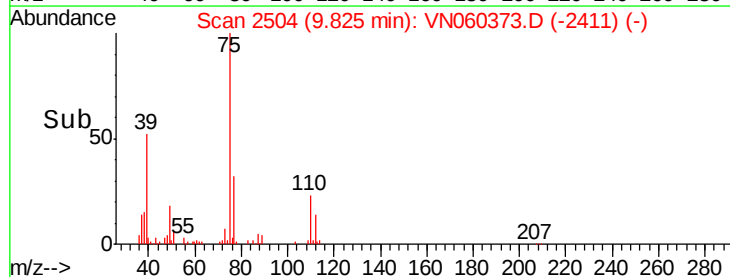
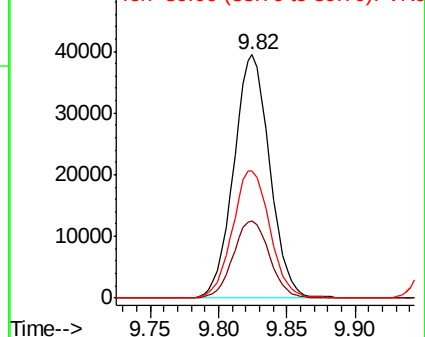
39 52.2 43.8 65.8

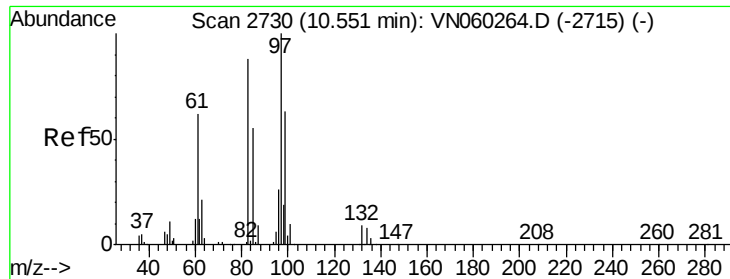


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

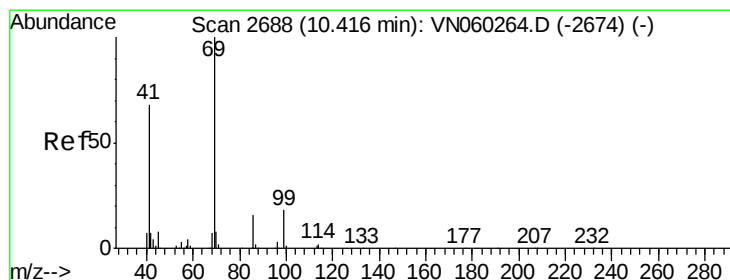
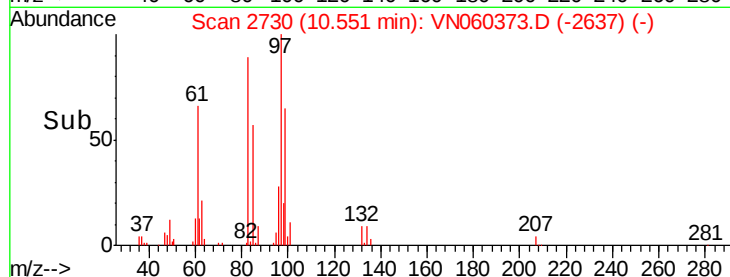
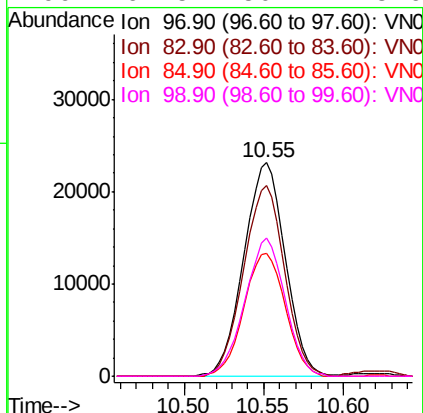
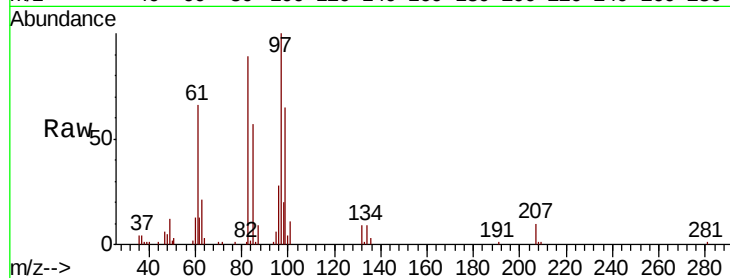




#55
 1,1,2-Trichloroethane
 Concen: 18.122 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

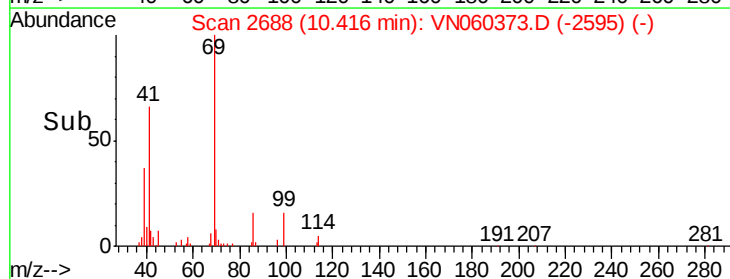
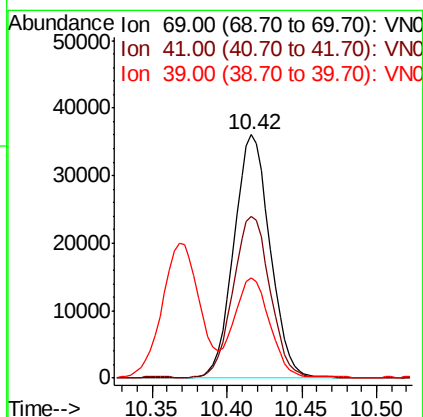
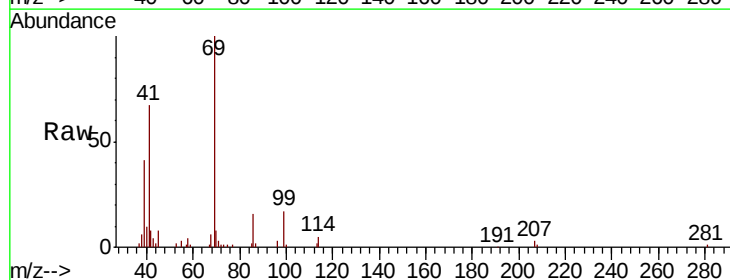
Instrument :
 MSVOA_N
 ClientSampleId :

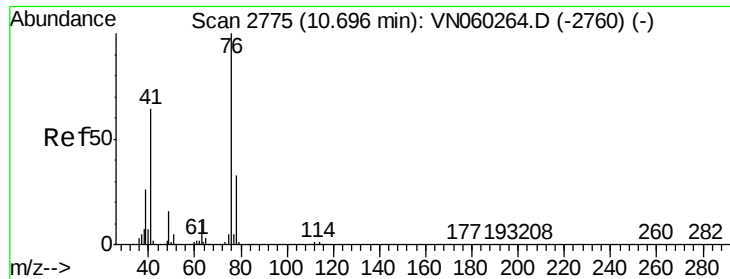
Tot Ion: 97 Resp: 41127
 Ion Ratio Lower Upper
 97 100
 83 89.1 70.0 105.0
 85 57.5 44.0 66.0
 99 64.5 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 18.588 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion: 69 Resp: 60605
 Ion Ratio Lower Upper
 69 100
 41 68.7 54.1 81.1
 39 41.8 32.5 48.7





#57

1,3-Dichloropropane

Concen: 19.244 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

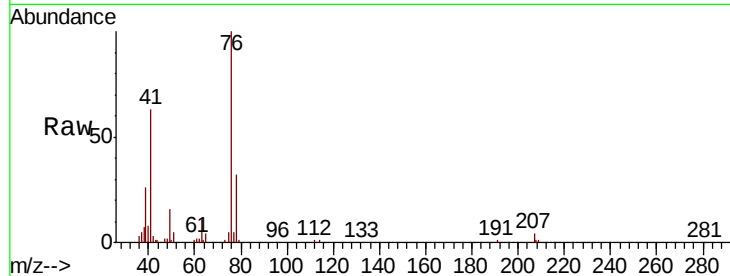
ClientSampleId :

Tot Ion: 76 Resp: 71225

Ion Ratio Lower Upper

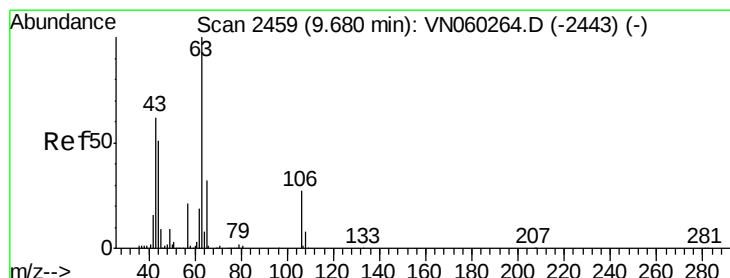
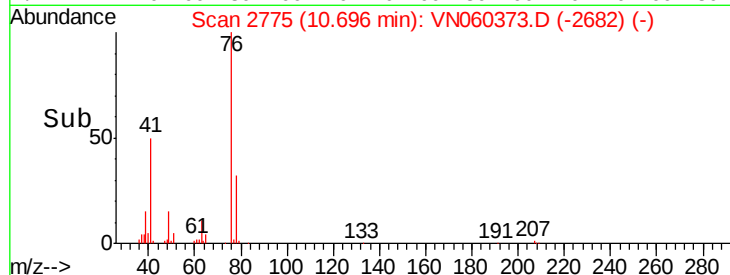
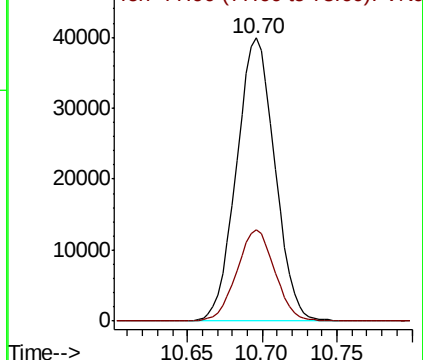
76 100

78 31.8 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 96.820 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060373.D

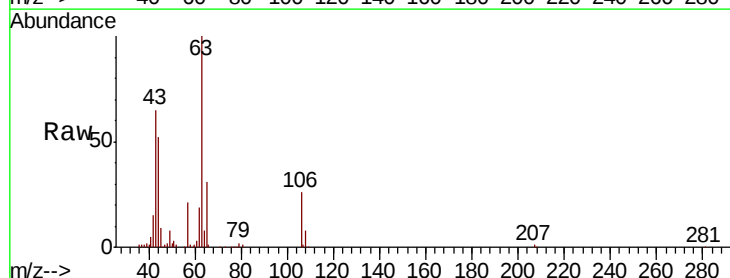
Acq: 6 Mar 2020 12:15

Tgt Ion: 63 Resp: 165102

Ion Ratio Lower Upper

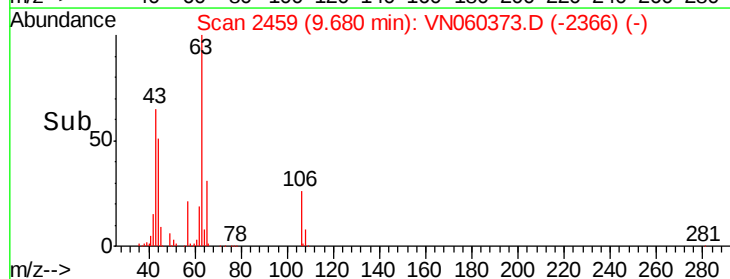
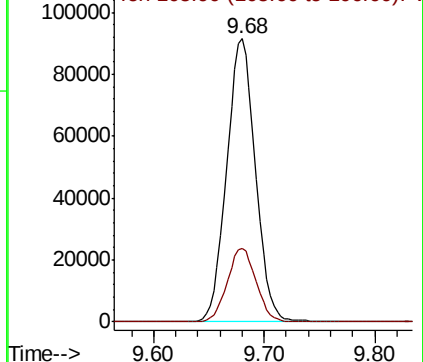
63 100

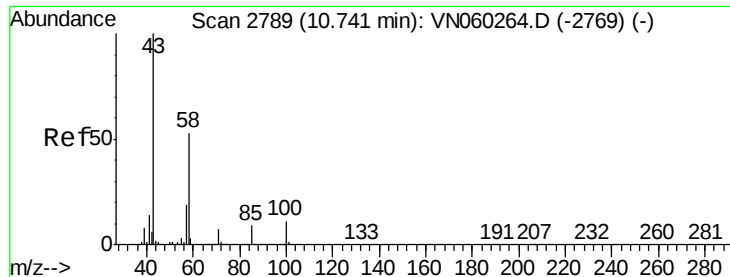
106 26.0 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

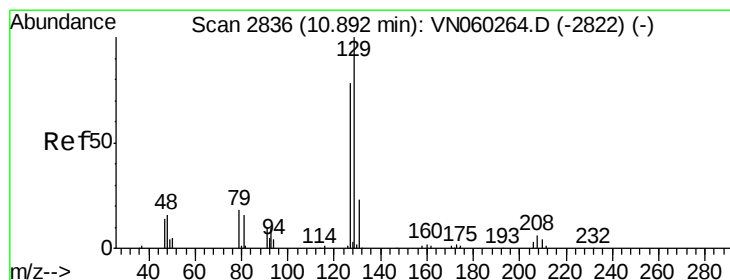
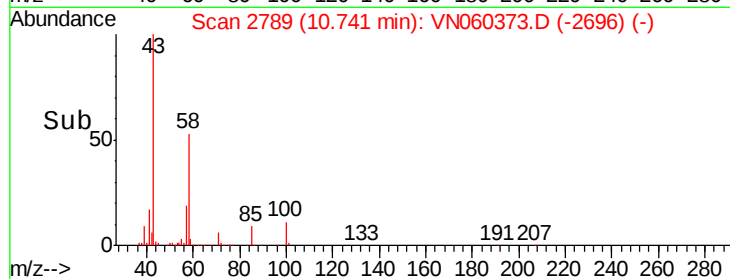
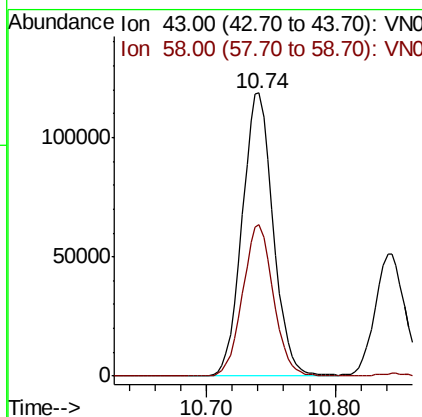
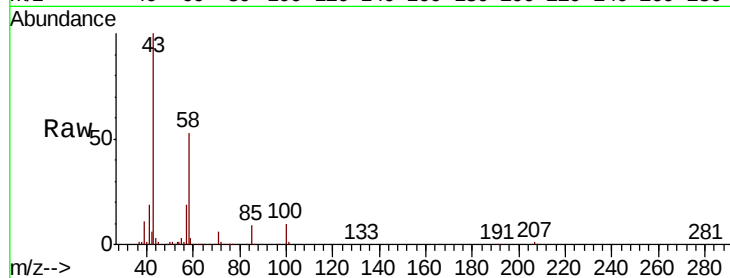




#59
2-Hexanone
Concen: 93.181 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

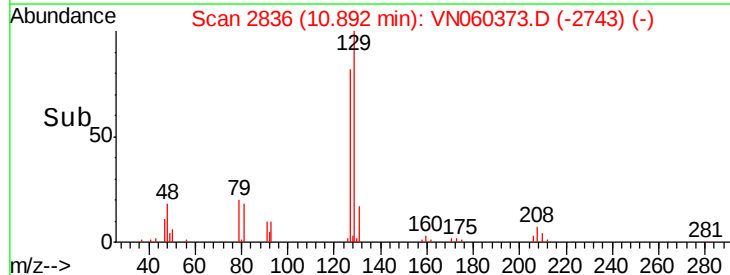
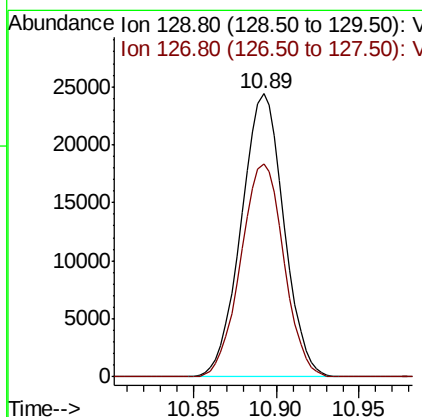
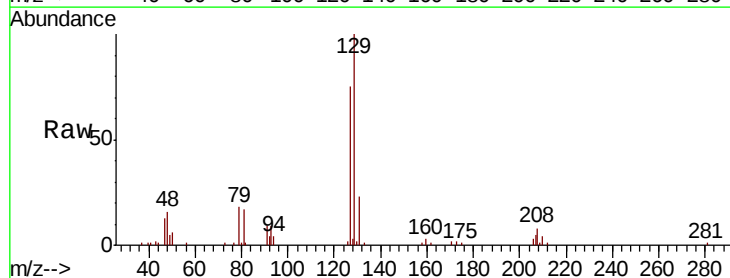
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 198482
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5



#60
Dibromochloromethane
Concen: 18.962 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 129 Resp: 43764
Ion Ratio Lower Upper
129 100
127 75.9 38.9 116.7

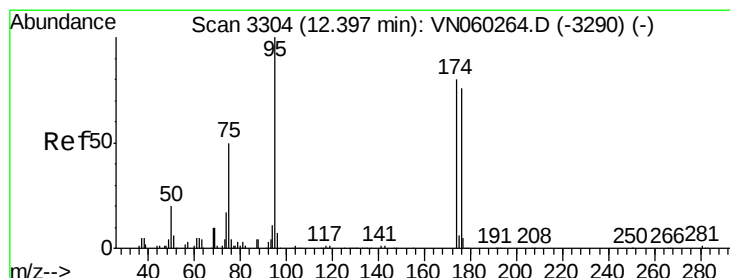
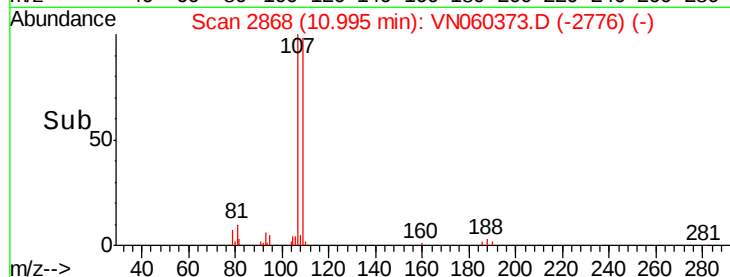
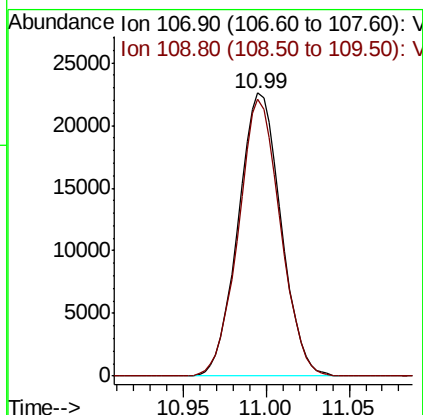
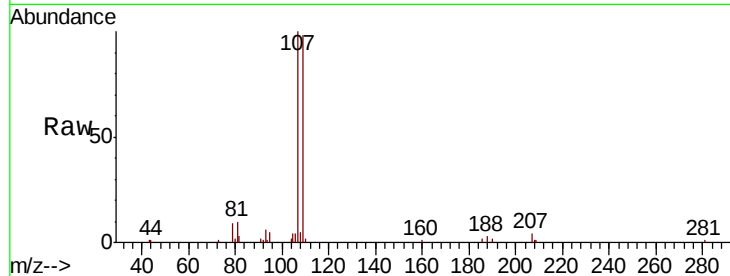




#61
 1,2-Dibromoethane
 Concen: 18.271 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

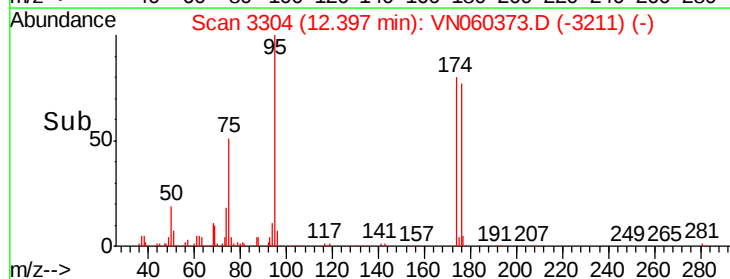
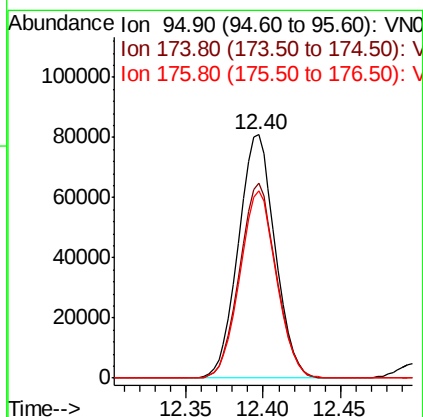
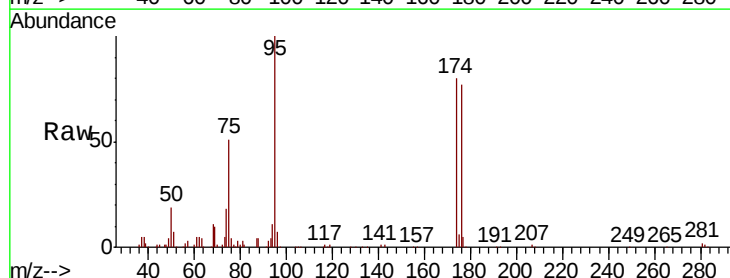
Instrument :
 MSVOA_N
 ClientSampled :

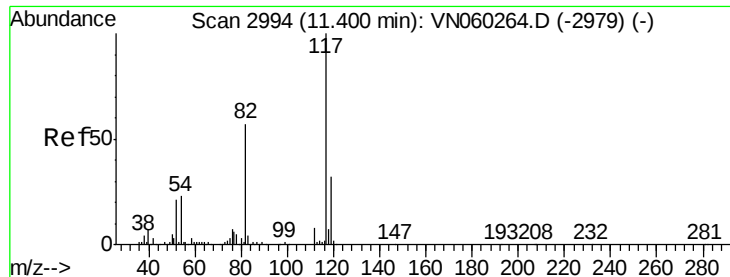
Tot Ion: 107 Resp: 40421
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 46.251 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion: 95 Resp: 133399
 Ion Ratio Lower Upper
 95 100
 174 80.0 0.0 159.2
 176 76.7 0.0 153.8

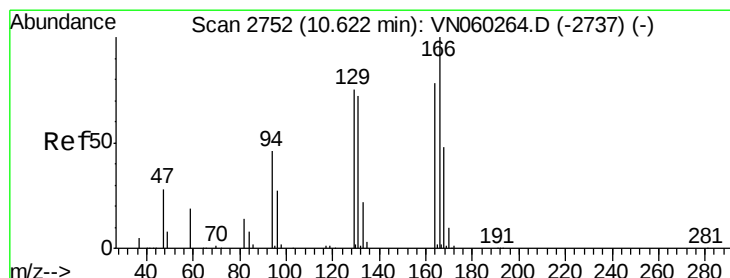
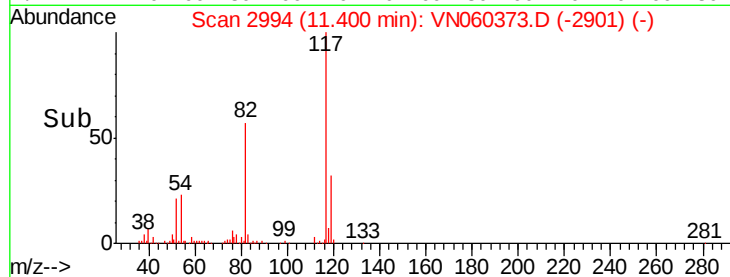
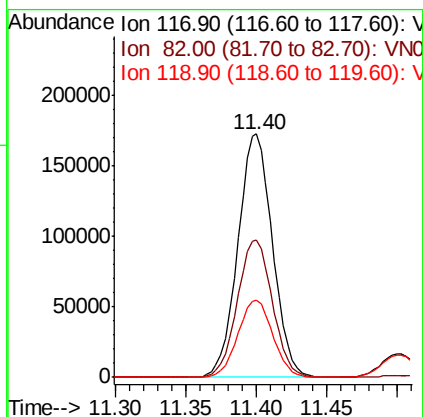
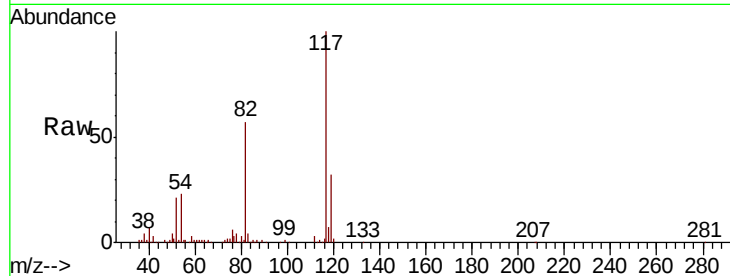




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

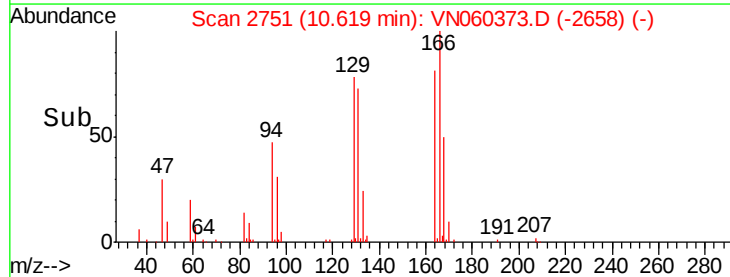
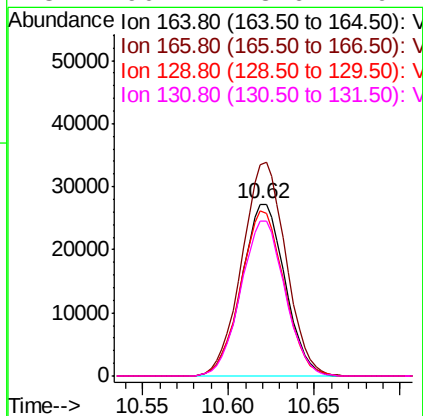
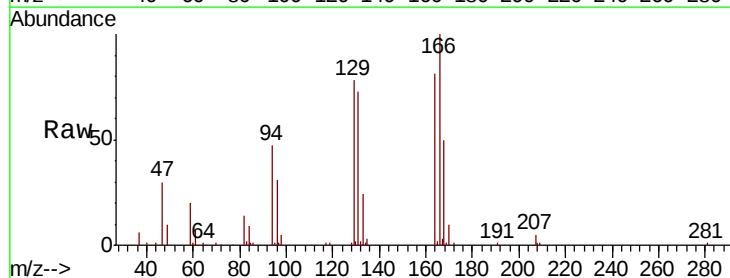
Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.8	68.6
119	31.9	25.8	38.8



#64
Tetrachloroethene
Concen: 19.544 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	102.0	153.0
129	95.9	76.4	114.6
131	90.1	73.6	110.4





#65

Chlorobenzene

Concen: 18.020 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

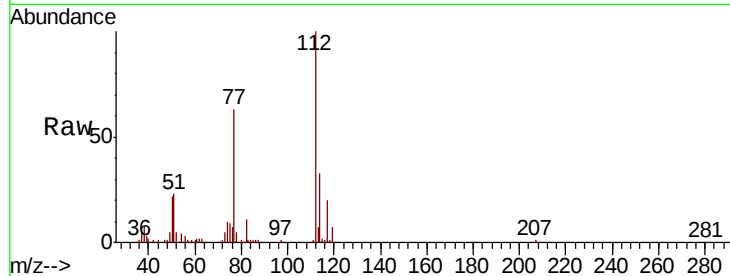
ClientSampleId :

Tot Ion:112 Resp: 108072

Ion Ratio Lower Upper

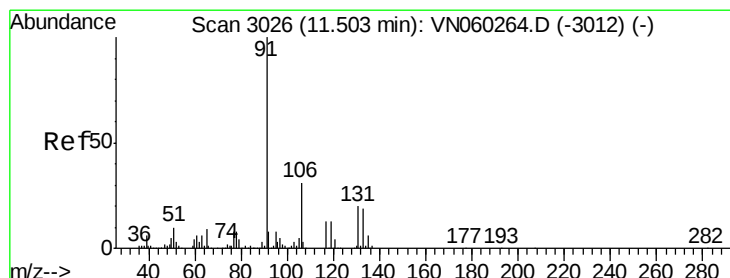
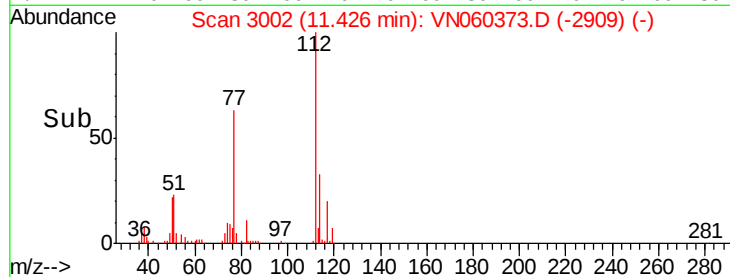
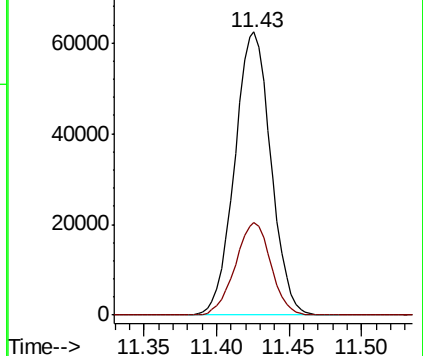
112 100

114 32.6 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: 19.060 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

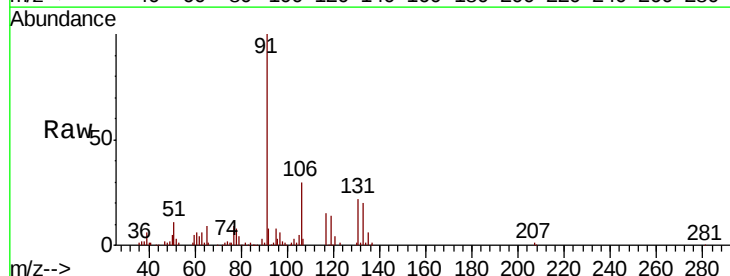
Tgt Ion:131 Resp: 42265

Ion Ratio Lower Upper

131 100

133 93.8 47.7 143.1

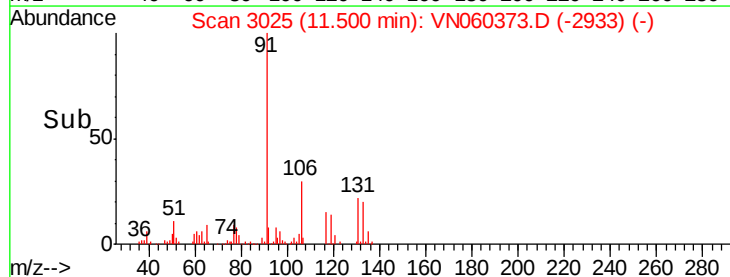
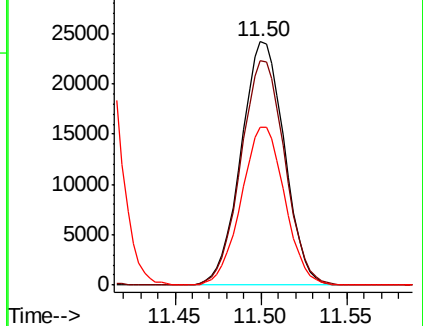
119 65.0 33.2 99.6



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

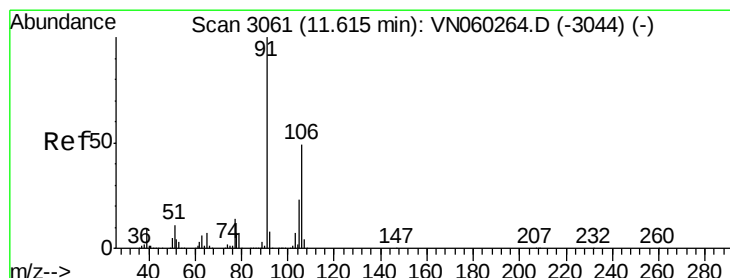
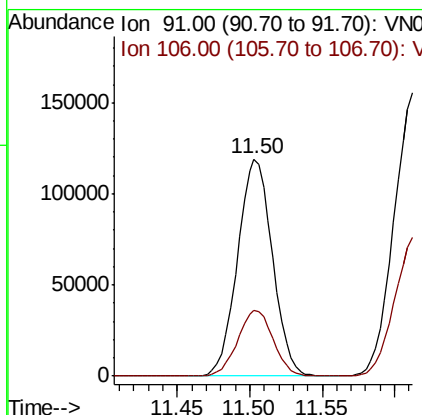
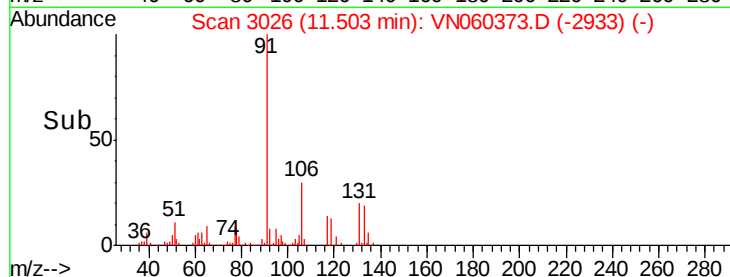
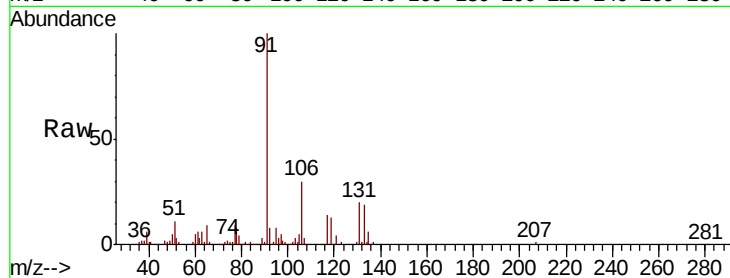




#67
Ethyl Benzene
Concen: 18.198 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

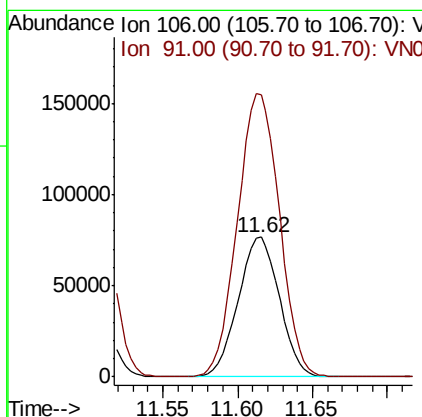
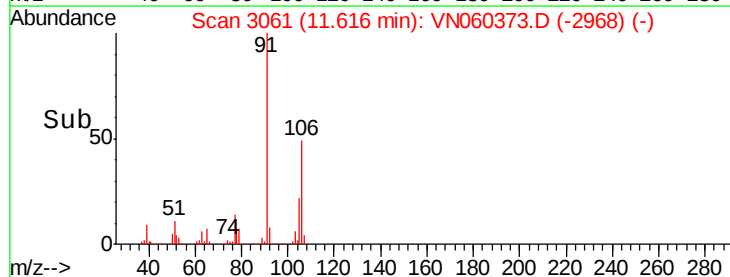
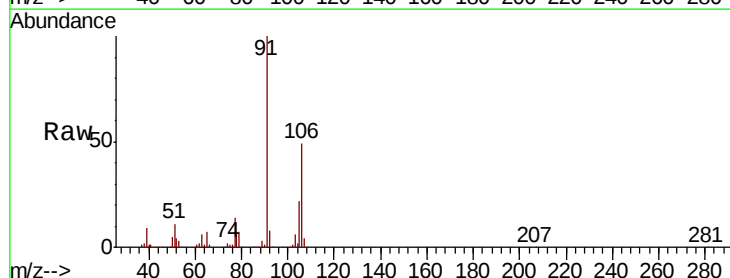
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 198754
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 35.698 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 106 Resp: 147097
Ion Ratio Lower Upper
106 100
91 206.6 164.5 246.7

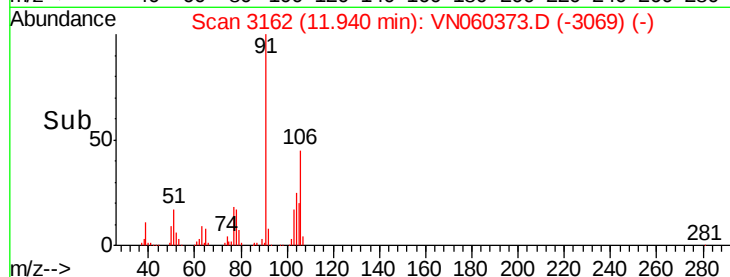
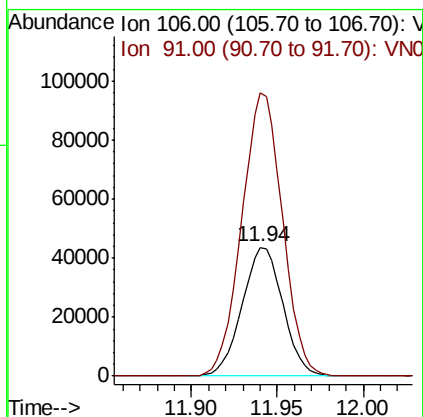
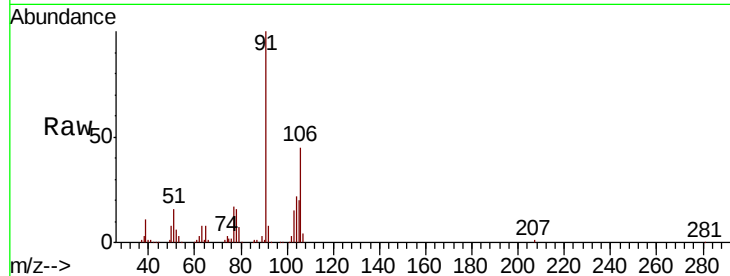




#69
o-Xylene
Concen: 18.318 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

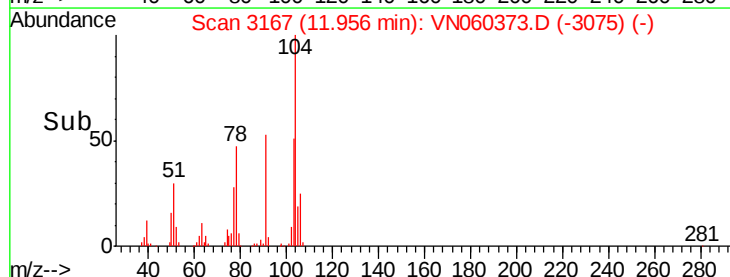
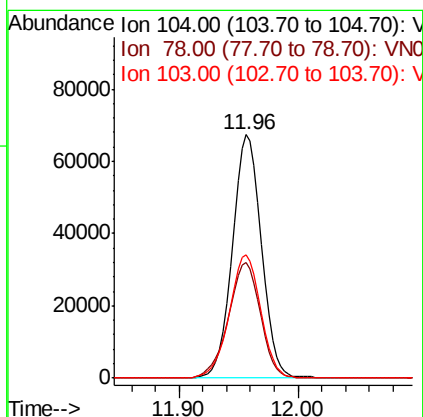
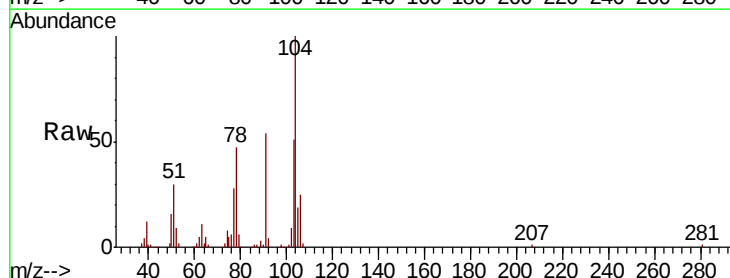
Instrument :
MSVOA_N
ClientSampled :

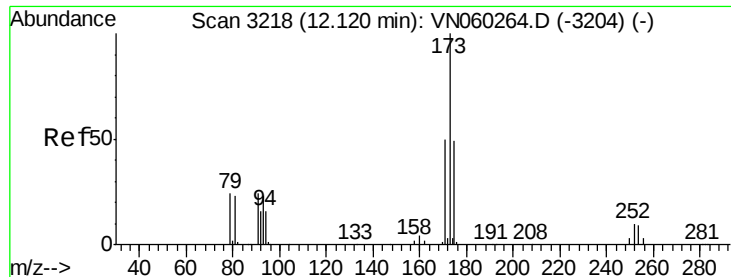
Tot Ion:106 Resp: 71979
Ion Ratio Lower Upper
106 100
91 219.1 109.5 328.4



#70
Styrene
Concen: 17.638 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion:104 Resp: 113950
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 54.8 43.9 65.9





#71

Bromoform

Concen: 18.221 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

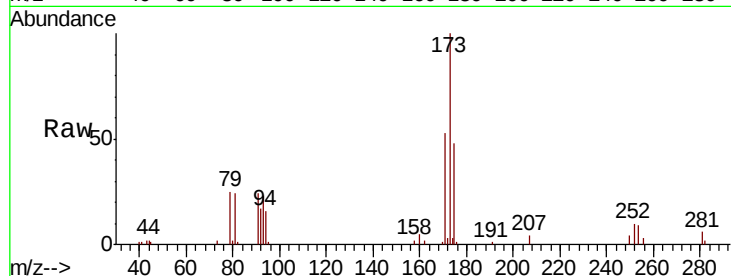
Tot Ion:173 Resp: 29120

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.0	0.0	0.0

173 100

175 48.9 24.1 72.2

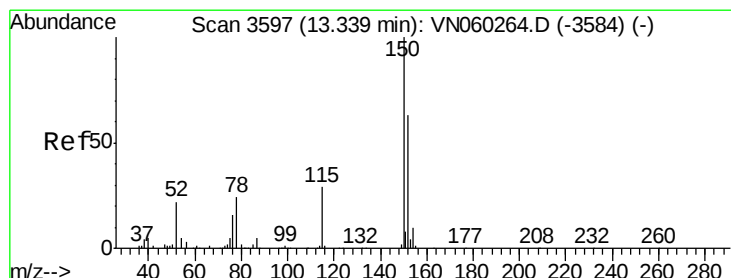
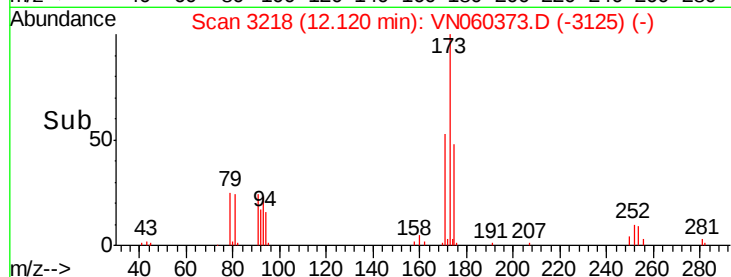
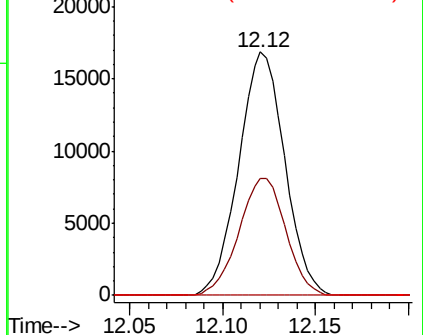
254 0.0 0.0 0.0



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: VN060373.D

Acq: 6 Mar 2020 12:15

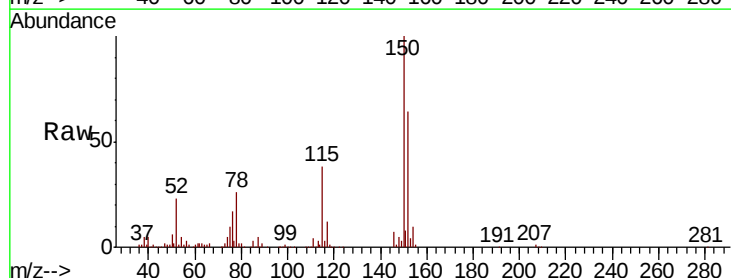
Tgt Ion:152 Resp: 141731

Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.0	90.0
150	161.6	0.0	349.6

152 100

115 59.4 30.0 90.0

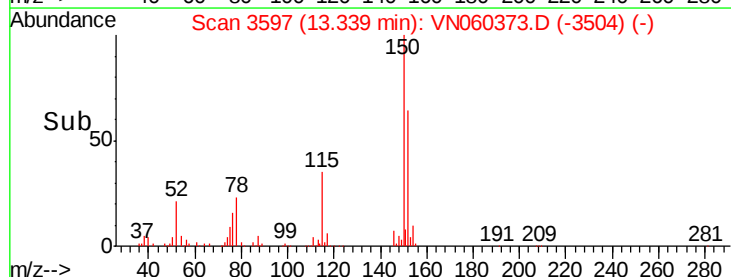
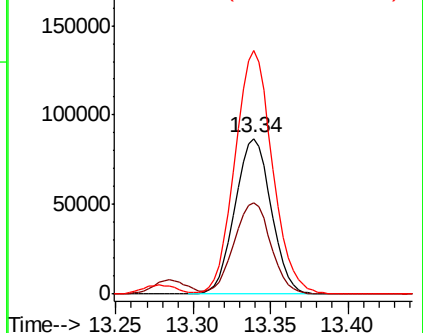
150 161.6 0.0 349.6

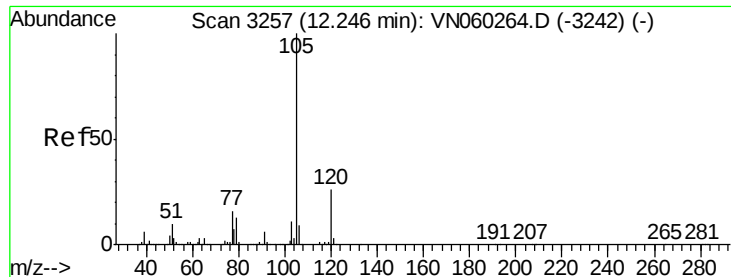


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.467 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

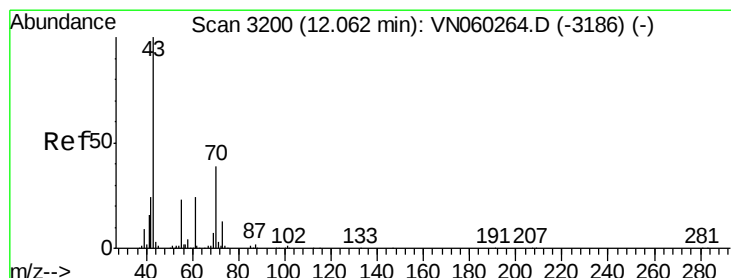
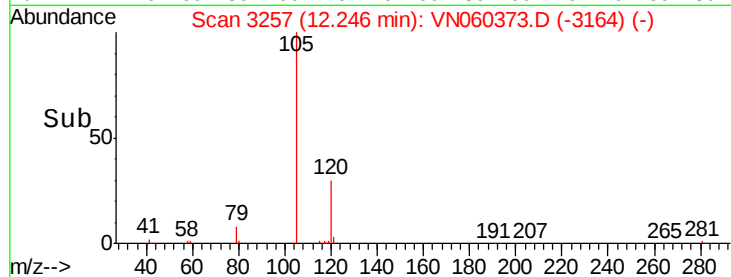
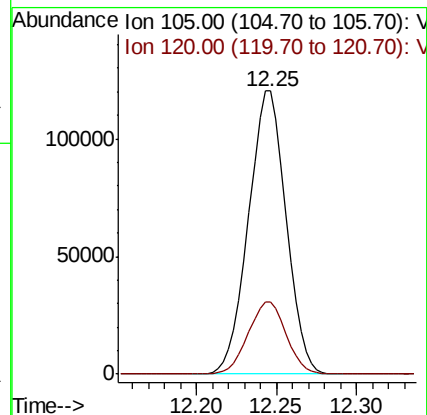
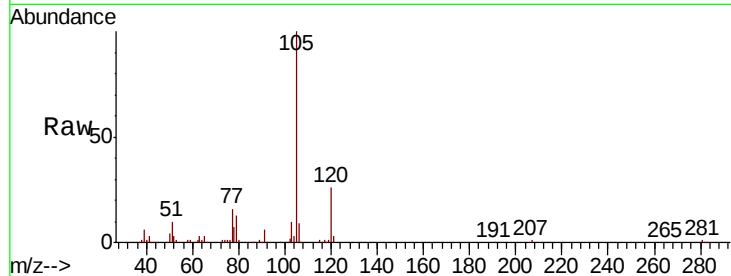
ClientSampleId :

Tot Ion: 105 Resp: 193997

Ion Ratio Lower Upper

105 100

120 25.6 13.0 38.9



#74

N-ethyl acetate

Concen: 18.184 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Tgt Ion: 43 Resp: 83470

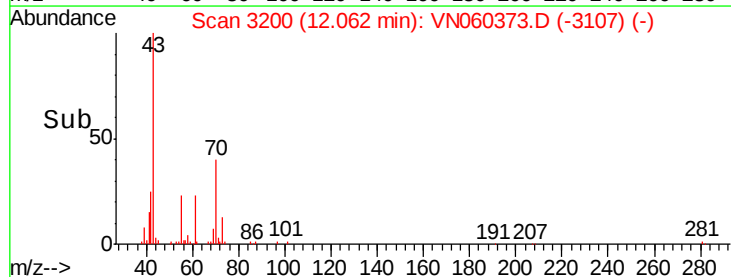
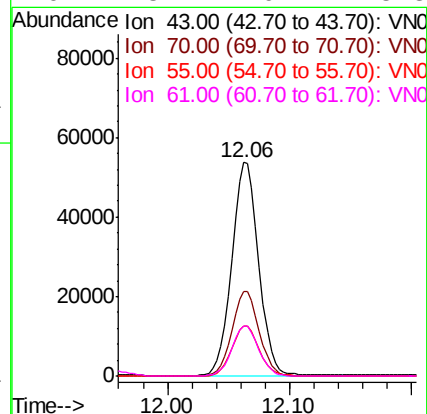
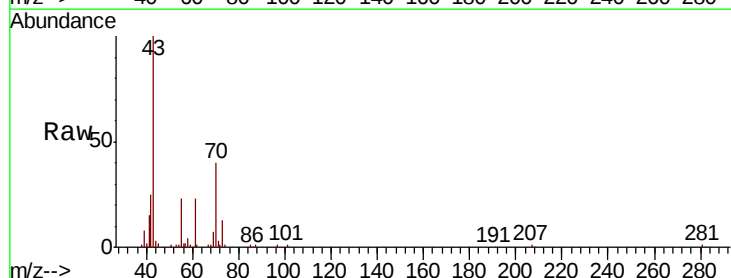
Ion Ratio Lower Upper

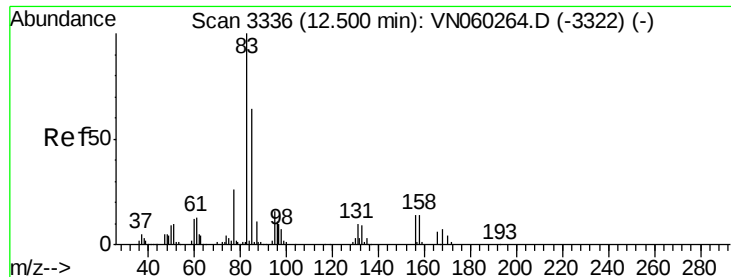
43 100

70 39.3 32.2 48.2

55 23.4 18.2 27.4

61 23.1 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.057 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

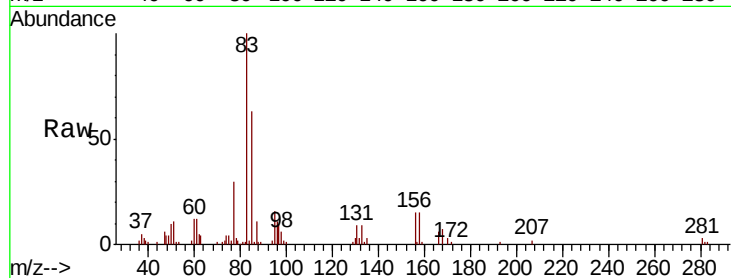
Tot Ion: 83 Resp: 54418

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.3

85 63.2 32.3 96.8

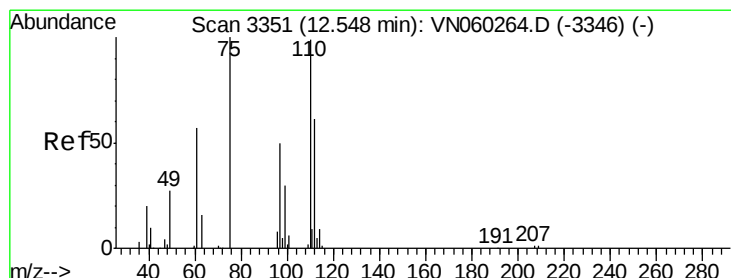
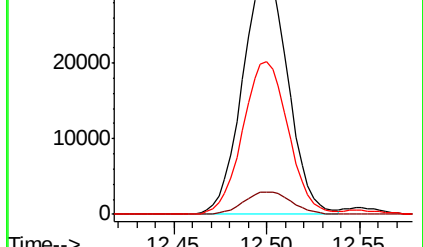
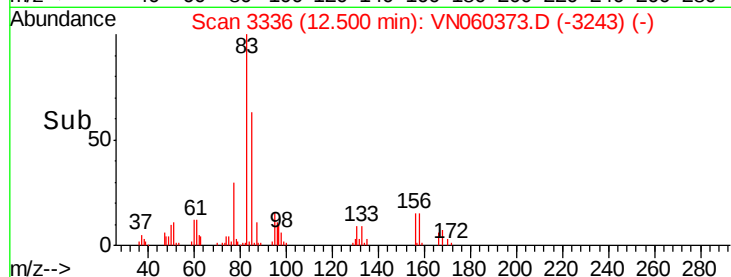


Abundance Ion 82.90 (82.60 to 83.60): VN060373.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060373.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060373.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.283 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060373.D

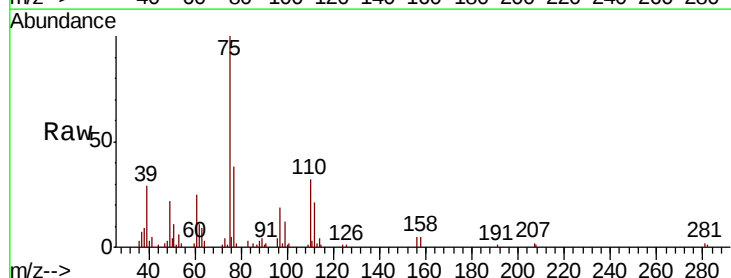
Acq: 6 Mar 2020 12:15

Tgt Ion: 75 Resp: 78619

Ion Ratio Lower Upper

75 100

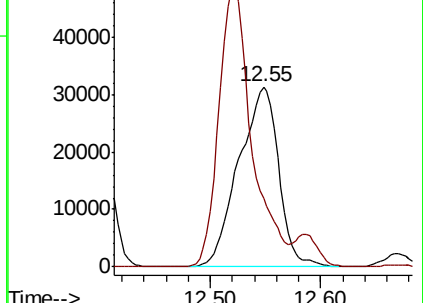
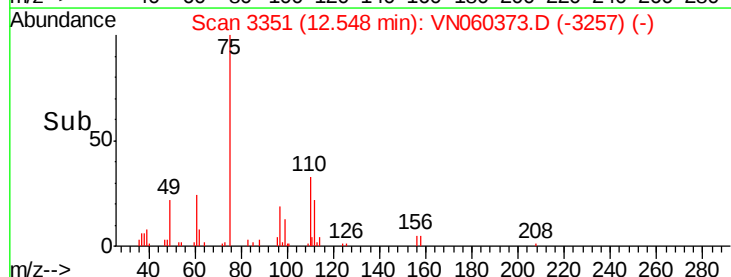
77 0.0 0.0 0.0

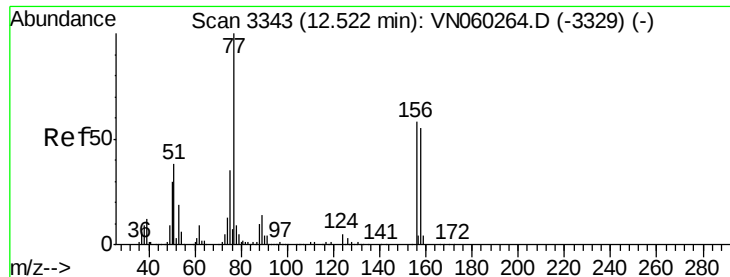


Abundance Ion 74.90 (74.60 to 75.60): VN060373.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060373.D (-3257) (-)

Time-->





#77

Bromobenzene

Concen: 18.052 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

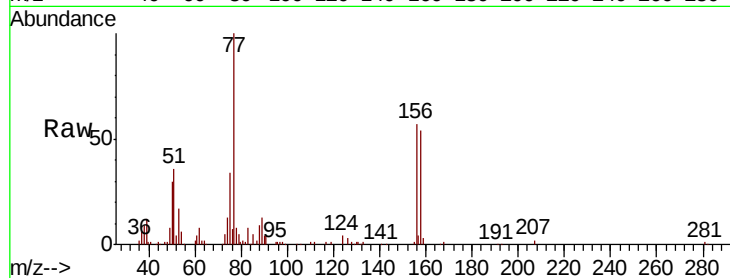
Tot Ion:156 Resp: 46485

Ion Ratio Lower Upper

156 100

77 217.2 106.1 318.3

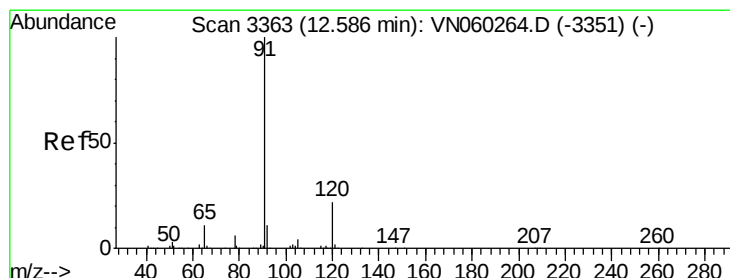
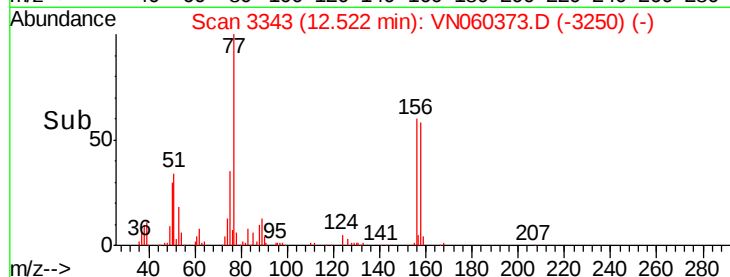
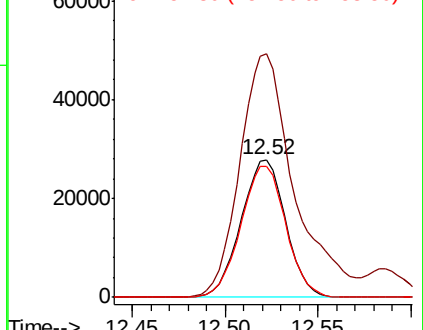
158 96.6 48.3 144.8



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: 18.167 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060373.D

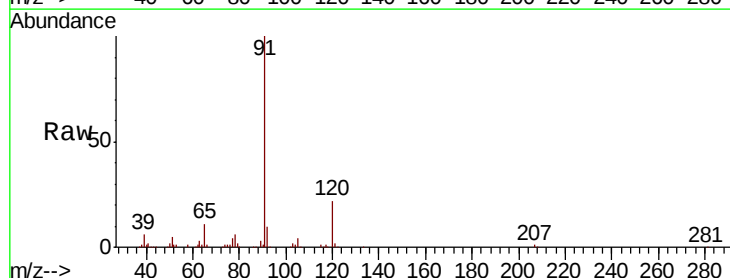
Acq: 6 Mar 2020 12:15

Tgt Ion: 91 Resp: 223707

Ion Ratio Lower Upper

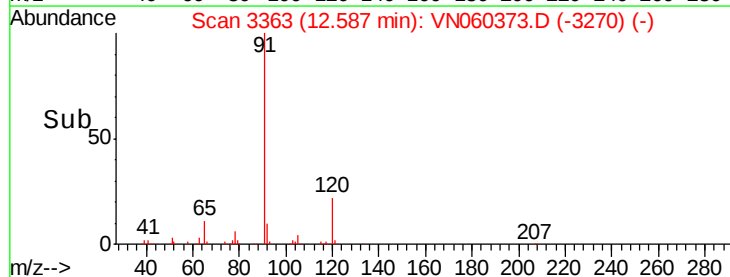
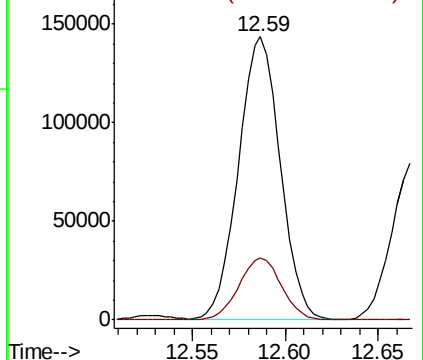
91 100

120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

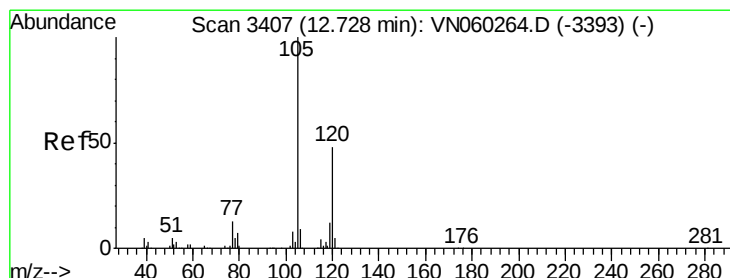
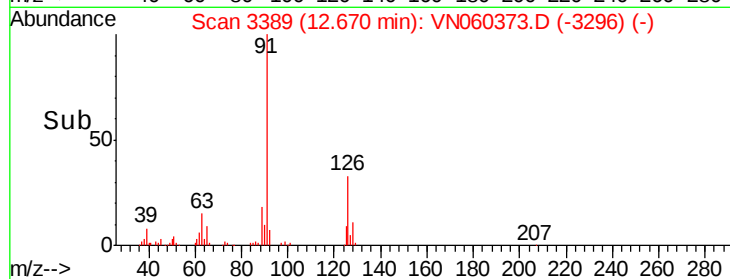
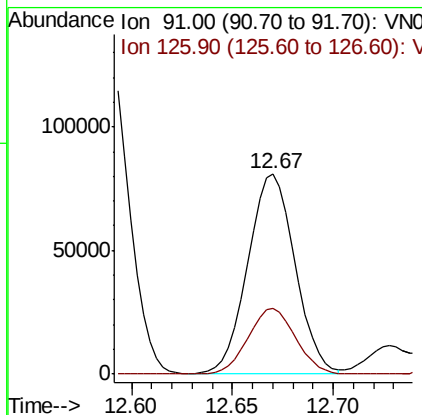
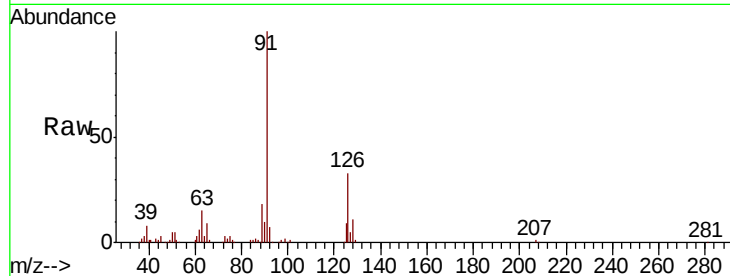




#79
 2-Chlorotoluene
 Concen: 18.275 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

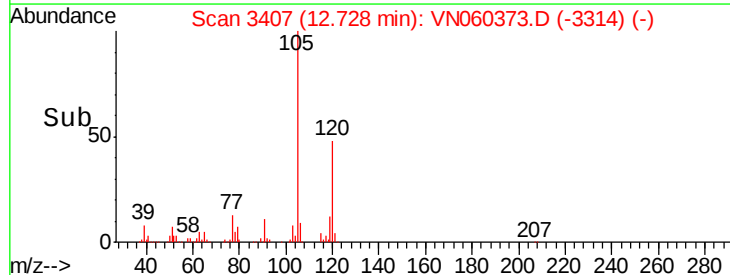
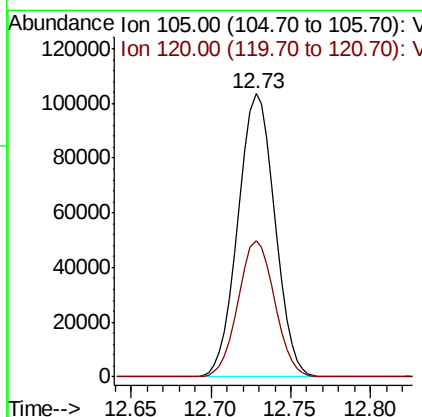
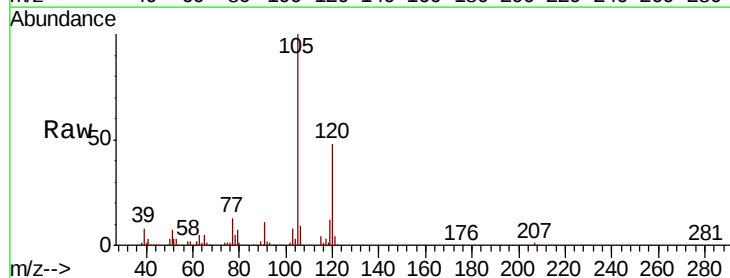
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 132279
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 18.359 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion: 105 Resp: 162376
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.4

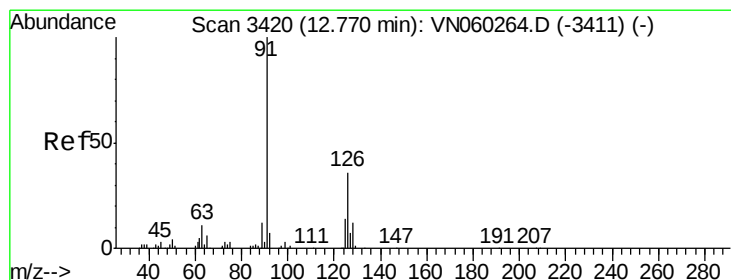
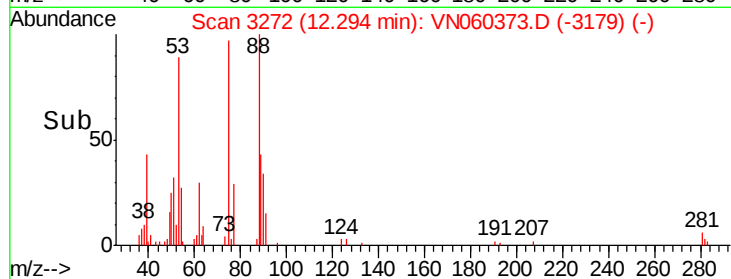
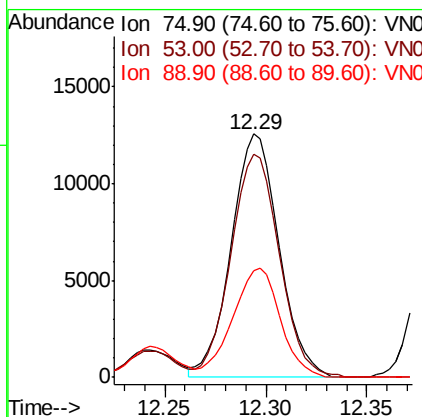
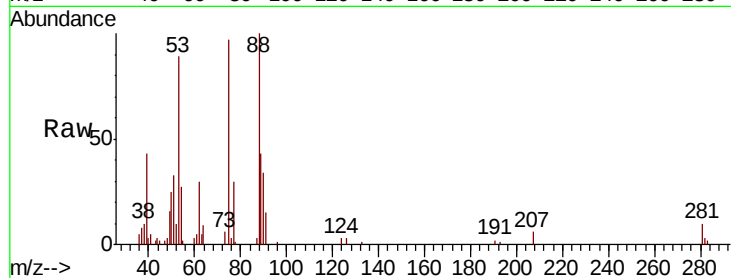




#81
trans-1,4-Dichloro-2-butene
Concen: 18.546 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

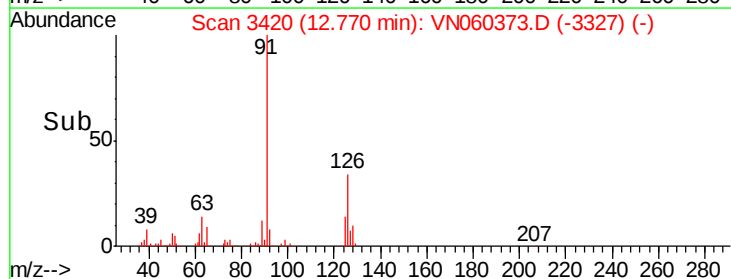
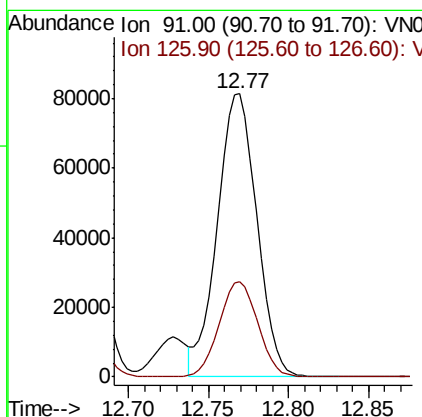
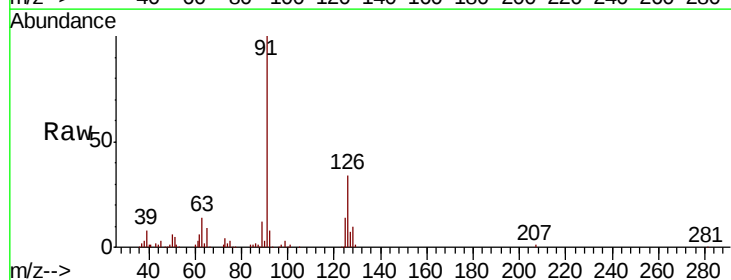
Instrument :
MSVOA_N
ClientSampleId :

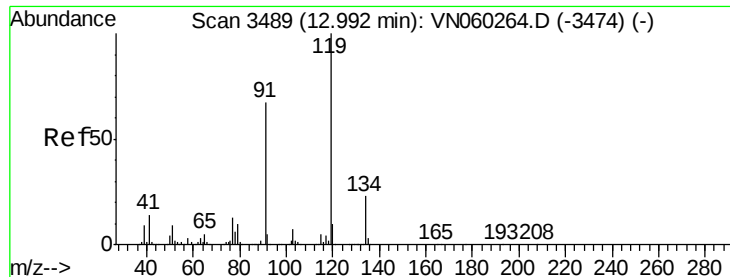
Tot Ion: 75 Resp: 20891
Ion Ratio Lower Upper
75 100
53 93.1 73.8 110.6
89 44.6 57.1 85.7#



#82
4-Chlorotoluene
Concen: 18.097 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 91 Resp: 138013
Ion Ratio Lower Upper
91 100
126 32.7 16.7 50.1

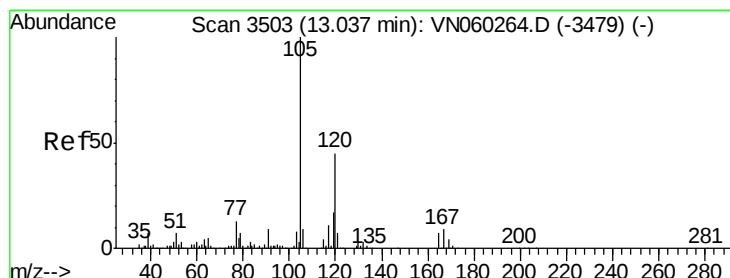
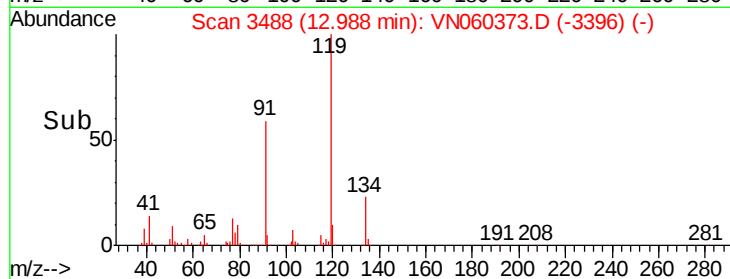
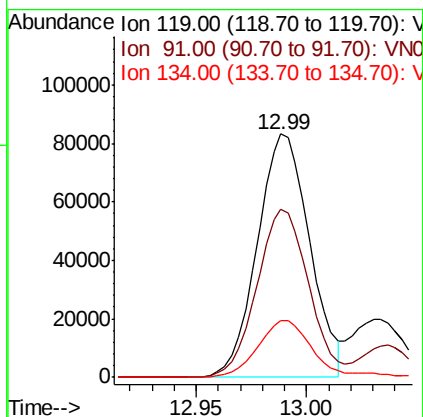
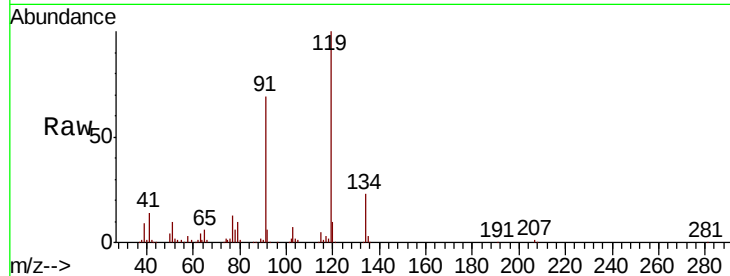




#83
 tert-Butylbenzene
 Concen: 17.895 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

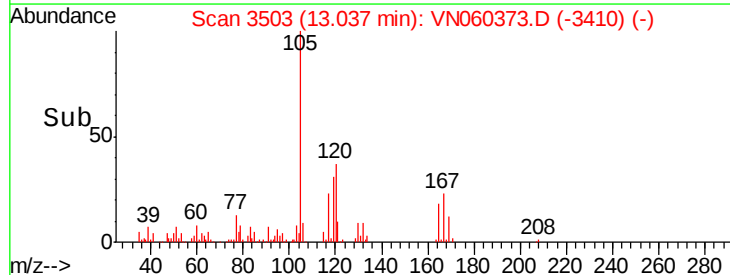
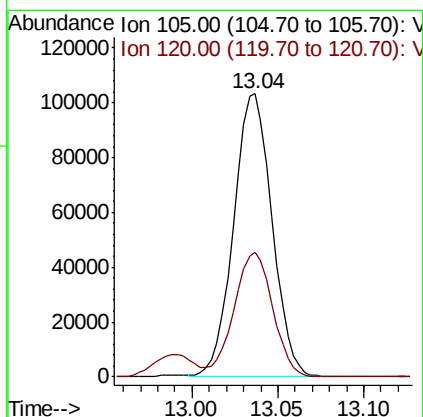
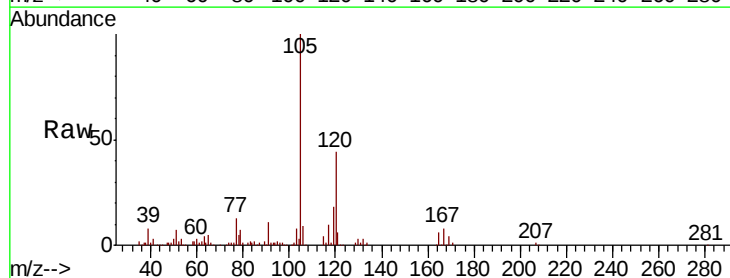
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 137032
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.1 99.2
 134 24.7 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.071 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion:105 Resp: 161324
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.3 66.9

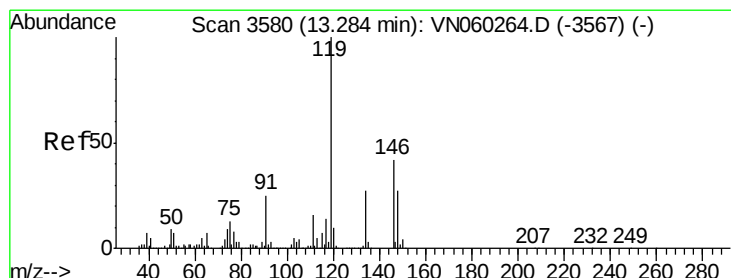
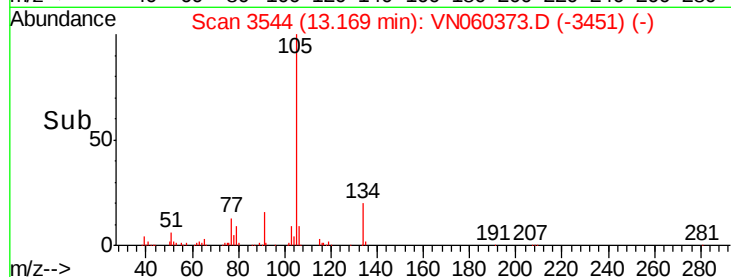
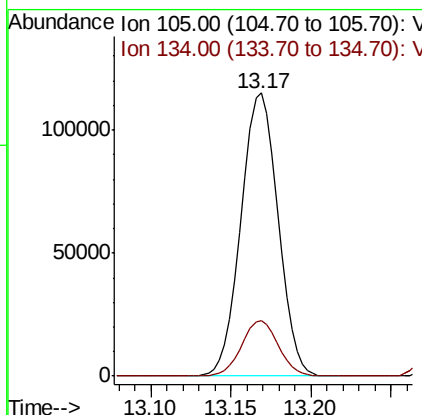
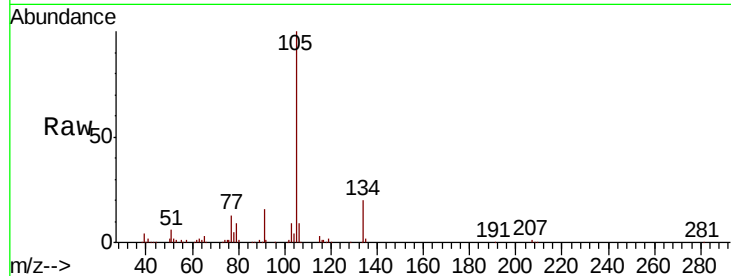




#85
 sec-Butylbenzene
 Concen: 17.729 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

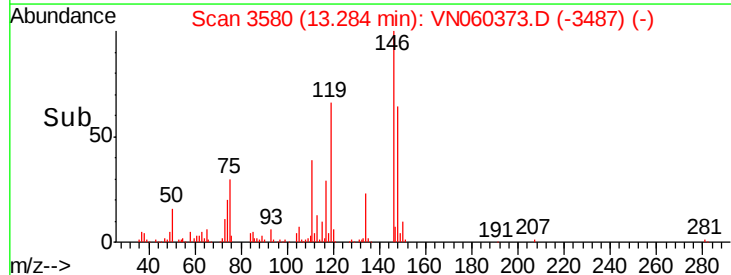
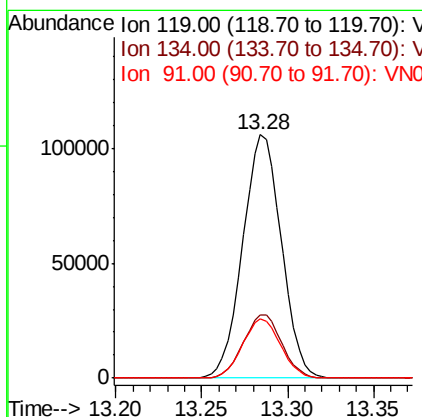
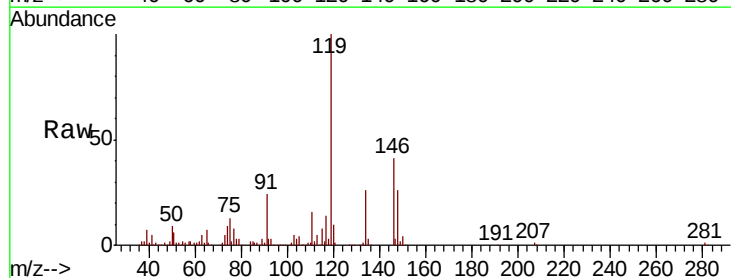
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 181799
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 17.426 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion:119 Resp: 165389
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.1 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 18.547 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

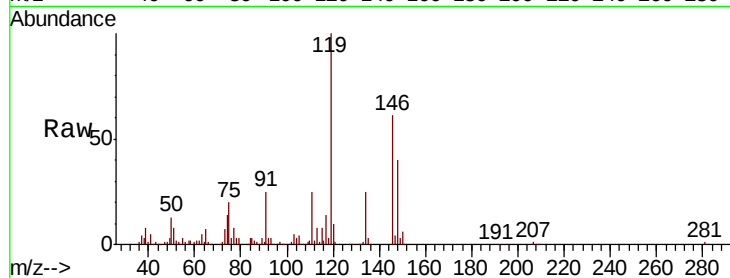
Tot Ion:146 Resp: 82592

Ion Ratio Lower Upper

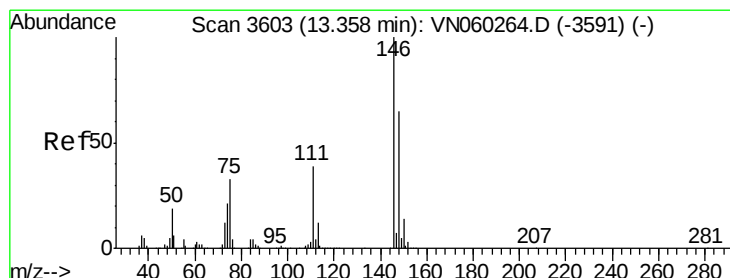
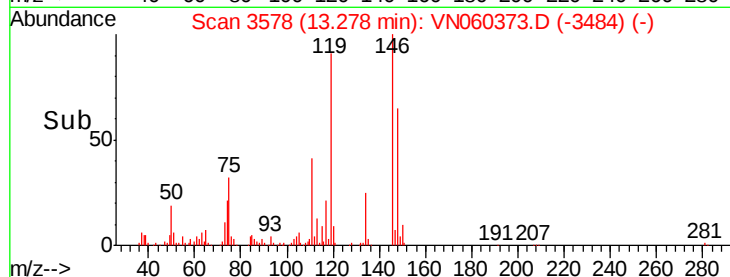
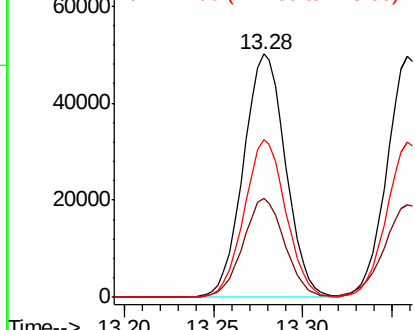
146 100

111 40.2 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: 18.535 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060373.D

Acq: 6 Mar 2020 12:15

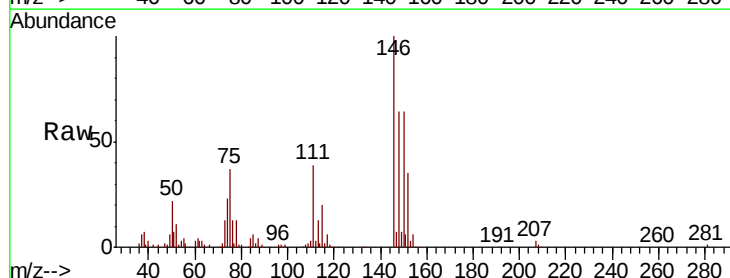
Tgt Ion:146 Resp: 82499

Ion Ratio Lower Upper

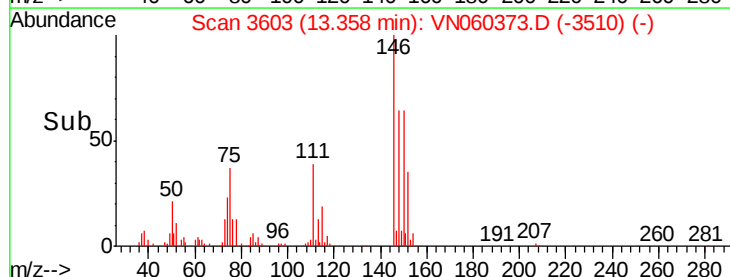
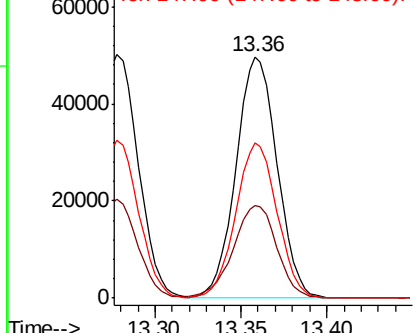
146 100

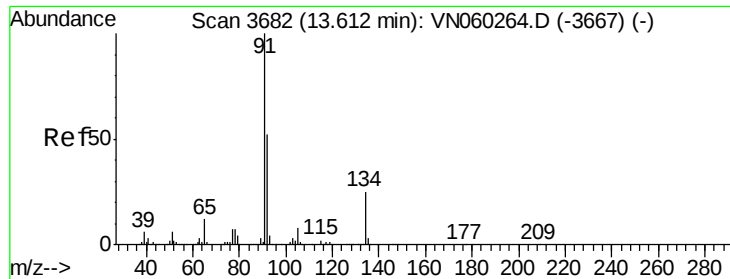
111 41.0 19.8 59.4

148 64.9 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

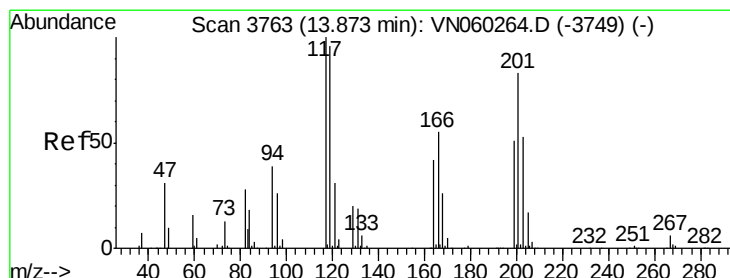
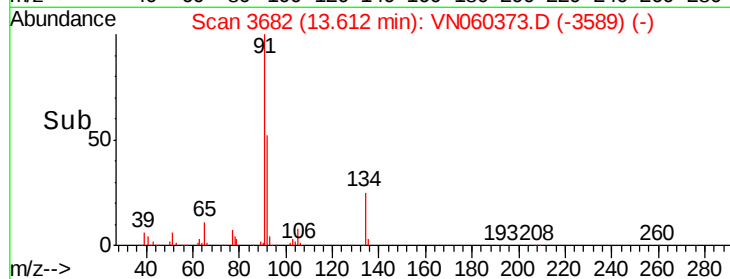
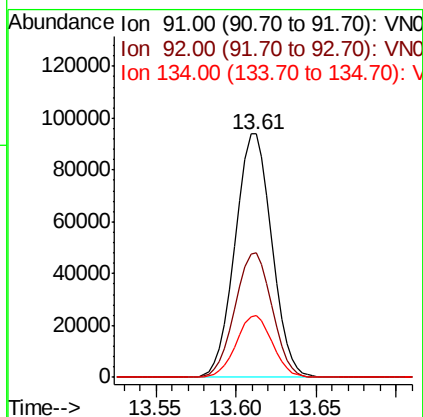
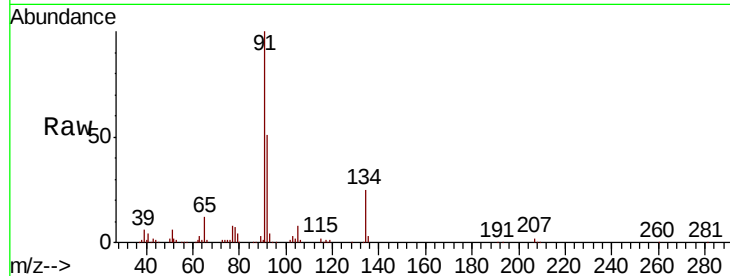




#89
n-Butylbenzene
Concen: 16.833 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

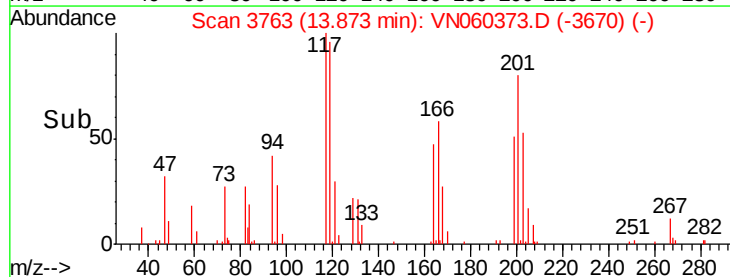
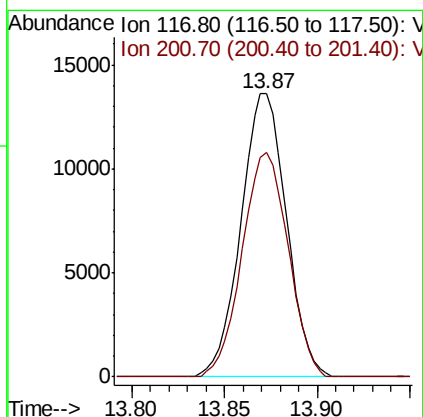
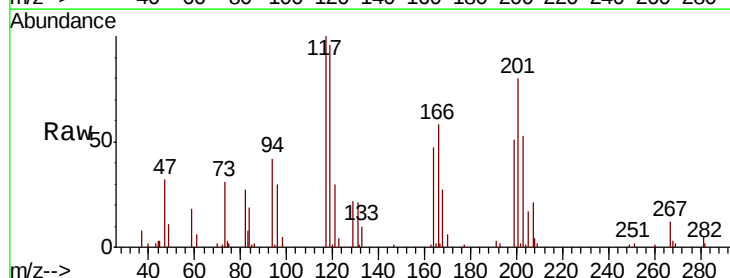
Instrument :
MSVOA_N
ClientSampled :

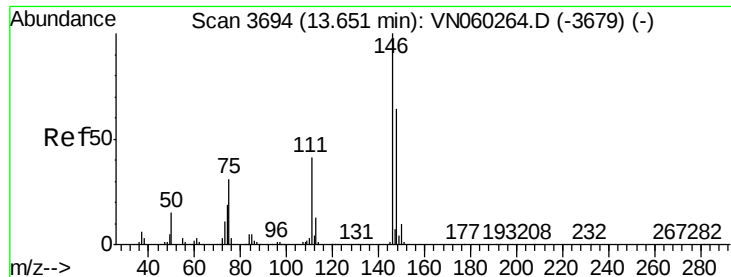
Tot Ion: 91 Resp: 146663
Ion Ratio Lower Upper
91 100
92 51.7 26.0 78.0
134 25.0 12.7 38.1



#90
Hexachloroethane
Concen: 16.869 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion: 117 Resp: 23175
Ion Ratio Lower Upper
117 100
201 80.3 41.0 123.0

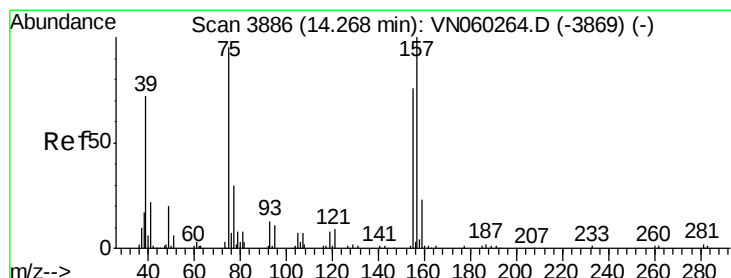
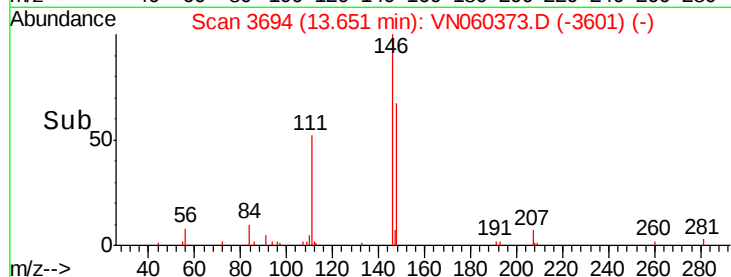
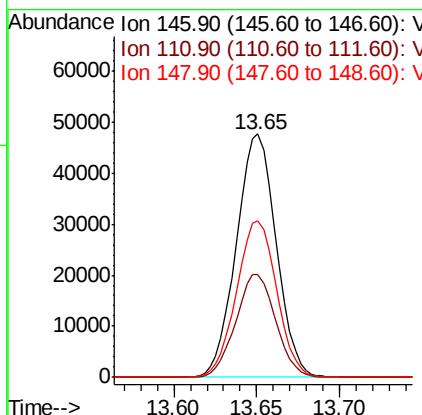
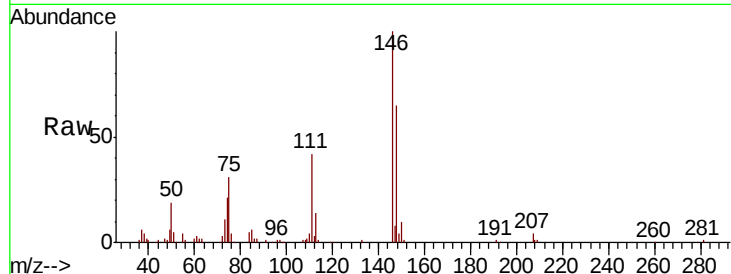




#91
 1,2-Dichlorobenzene
 Concen: 17.668 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

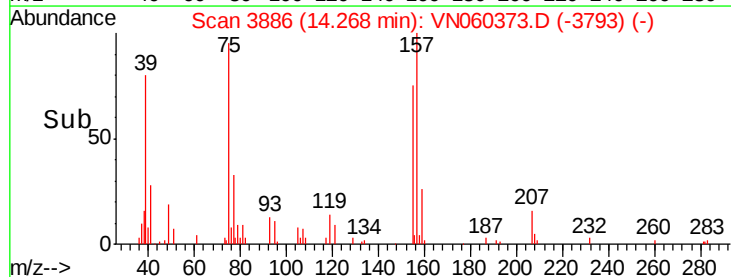
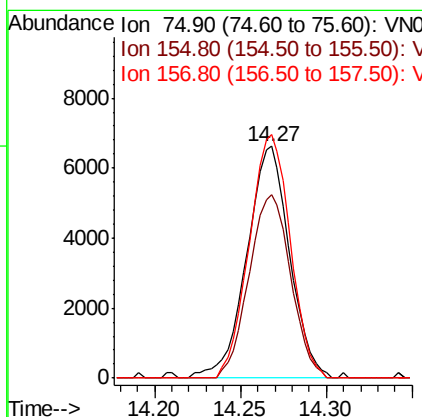
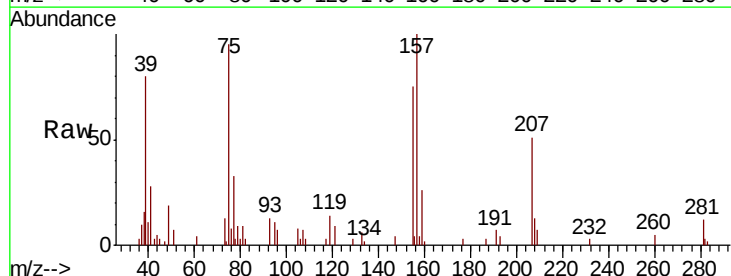
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	61.0
148	64.8	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.667 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	40.4	121.2
157	100.7	52.5	157.5

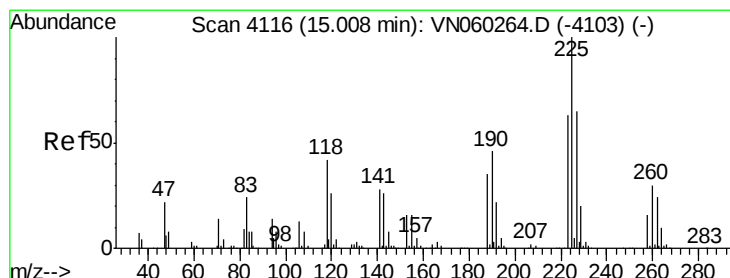
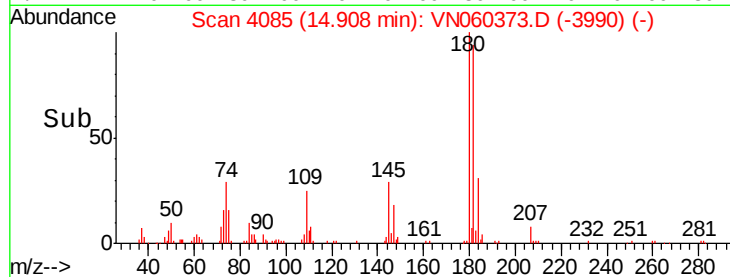
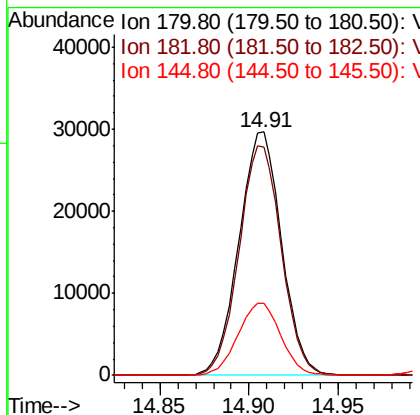
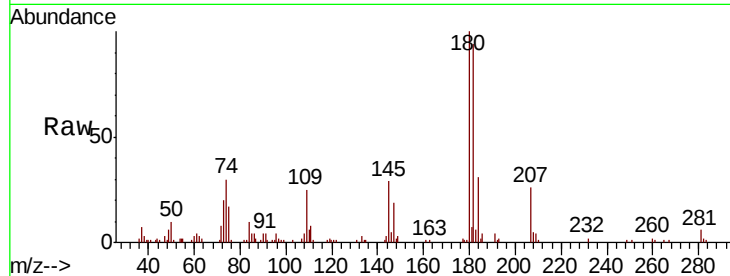




#93
 1,2,4-Trichlorobenzene
 Concen: 17.260 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

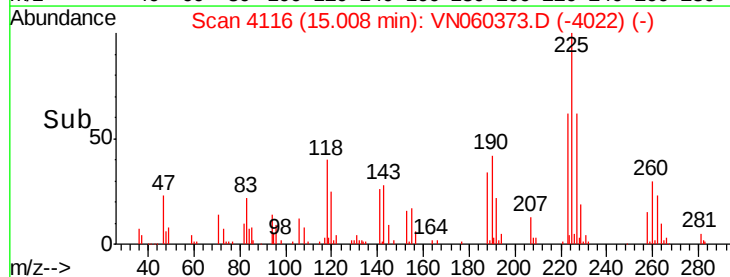
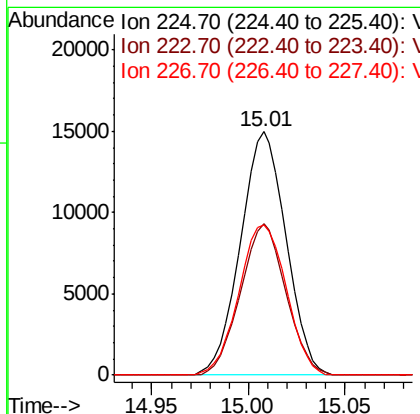
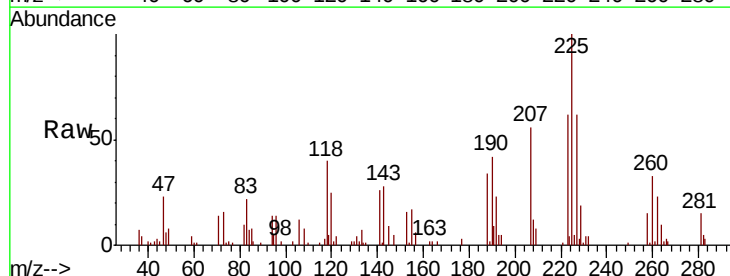
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 49320
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.8 143.3
 145 29.8 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 18.266 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060373.D
 Acq: 6 Mar 2020 12:15

Tgt Ion:225 Resp: 24552
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.3 93.9
 227 64.1 32.3 96.9

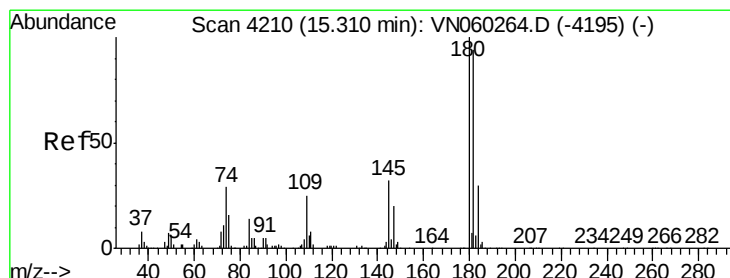
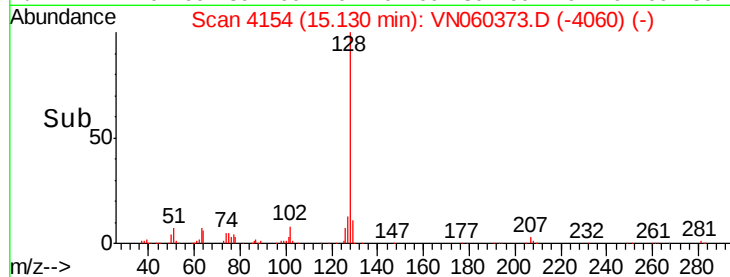
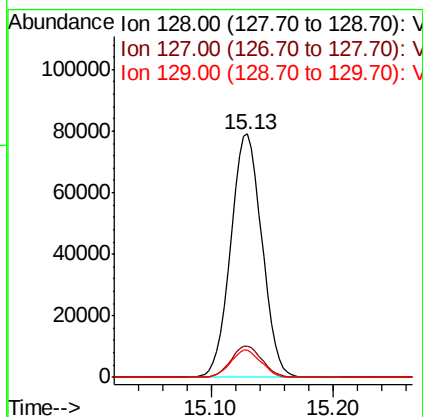
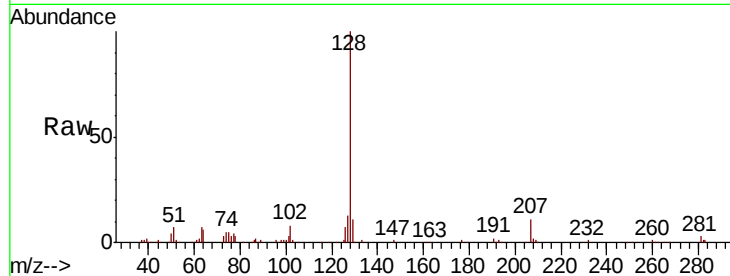




#95
Naphthalene
Concen: 16.484 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 140744
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.251 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060373.D
Acq: 6 Mar 2020 12:15

Tgt Ion:180 Resp: 46902
Ion Ratio Lower Upper
180 100
182 94.2 47.3 142.0
145 33.5 16.2 48.5

