

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060361.D
 Acq On : 5 Mar 2020 12:59
 Operator : JC/MD
 Sample : VN0305MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

Quant Time: Mar 06 00:43:42 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	191206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	311893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	119308	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.56	113	83664	57.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.58%	
50) Toluene-d8	10.08	98	339325	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
62) 4-Bromofluorobenzene	12.40	95	127526	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	30647	17.482	ug/l	98
3) Chloromethane	2.03	50	54647	17.904	ug/l	99
4) Vinyl Chloride	2.16	62	44475	16.991	ug/l	100
5) Bromomethane	2.55	94	17437	14.861	ug/l	97
6) Chloroethane	2.68	64	24312	17.143	ug/l	94
7) Trichlorofluoromethane	3.00	101	58211	17.406	ug/l	98
8) Diethyl Ether	3.38	74	24058	19.053	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34388	18.169	ug/l	99
10) Methyl Iodide	3.92	142	31056	17.979	ug/l	99
11) Tert butyl alcohol	4.73	59	36550	100.338	ug/l	100
12) 1,1-Dichloroethene	3.72	96	34290	18.618	ug/l	95
13) Acrolein	3.57	56	32819	96.575	ug/l	98
14) Allyl chloride	4.29	41	58786	17.356	ug/l	90
15) Acrylonitrile	4.94	53	98475	102.563	ug/l	99
16) Acetone	3.78	43	80939	102.168	ug/l	100
17) Carbon Disulfide	4.03	76	86476	17.278	ug/l	99
18) Methyl Acetate	4.29	43	50948	19.271	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	133777	20.058	ug/l	100
20) Methylene Chloride	4.52	84	40613	18.667	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	36832	18.393	ug/l	94
22) Diisopropyl ether	5.91	45	138897	20.246	ug/l	99
23) Vinyl Acetate	5.86	43	558495	102.445	ug/l	99
24) 1,1-Dichloroethane	5.82	63	75338	19.399	ug/l	100
25) 2-Butanone	6.80	43	133099	104.015	ug/l	99
26) 2,2-Dichloropropane	6.79	77	66225	18.731	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	45083	17.870	ug/l	97
28) Bromochloromethane	7.17	49	29267	18.355	ug/l	96
29) Tetrahydrofuran	7.18	42	90818	102.064	ug/l	99
30) Chloroform	7.35	83	75858	19.622	ug/l	97
31) Cyclohexane	7.63	56	67727	19.622	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	66031	19.277	ug/l	99
36) 1,1-Dichloropropene	7.77	75	54665	18.390	ug/l	99
37) Ethyl Acetate	6.89	43	58549	20.802	ug/l	99
38) Carbon Tetrachloride	7.75	117	53792	18.587	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	62938	17.958	ug/l	96
40) Benzene	8.02	78	165966	19.183	ug/l	100
41) Methacrylonitrile	7.18	41	84234	64.816	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	63367	20.297	ug/l	100
43) Isopropyl Acetate	8.14	43	101862	20.673	ug/l	99
44) Trichloroethene	8.82	130	45274	18.789	ug/l	100
45) 1,2-Dichloropropane	9.10	63	46074	20.369	ug/l	99
46) Dibromomethane	9.19	93	28758	19.593	ug/l	99
47) Bromodichloromethane	9.38	83	60272	20.191	ug/l	99
48) Methyl methacrylate	9.18	41	44211	19.676	ug/l	99
49) 1,4-Dioxane	9.18	88	12485	395.116	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	292293	104.624	ug/l	99
52) Toluene	10.14	92	102776	18.911	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	70529	19.282	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	75031	19.796	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	43046	19.696	ug/l	99
56) Ethyl methacrylate	10.42	69	62767	19.991	ug/l	97
57) 1,3-Dichloropropane	10.70	76	72966	20.472	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	153460	93.451	ug/l	100
59) 2-Hexanone	10.74	43	212332	103.514	ug/l	98
60) Dibromochloromethane	10.89	129	44524	20.033	ug/l	99
61) 1,2-Dibromoethane	11.00	107	42253	19.833	ug/l	98
64) Tetrachloroethene	10.62	164	47187	20.021	ug/l	99
65) Chlorobenzene	11.43	112	109027	18.802	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42158	19.662	ug/l	97
67) Ethyl Benzene	11.50	91	202110	19.139	ug/l	100
68) m/p-Xylenes	11.62	106	148048	37.158	ug/l	98
69) o-Xylene	11.94	106	73731	19.406	ug/l	98
70) Styrene	11.96	104	117458	18.804	ug/l	99
71) Bromoform	12.12	173	31221	20.204	ug/l #	98
73) Isopropylbenzene	12.25	105	195292	18.974	ug/l	99
74) N-amyl acetate	12.06	43	87745	19.509	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	57811	20.663	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	81808	26.851	ug/l #	100
77) Bromobenzene	12.52	156	48164	19.090	ug/l	98
78) n-propylbenzene	12.59	91	226806	18.799	ug/l	100
79) 2-Chlorotoluene	12.67	91	133710	18.854	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	166941	19.264	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21583	19.555	ug/l #	84
82) 4-Chlorotoluene	12.77	91	138991	18.601	ug/l	98
83) tert-Butylbenzene	12.99	119	139972	18.655	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	166155	18.996	ug/l	100
85) sec-Butylbenzene	13.17	105	189627	18.873	ug/l	100
86) p-Isopropyltoluene	13.28	119	171218	18.412	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	85498	19.606	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86098	19.765	ug/l	99
89) n-Butylbenzene	13.61	91	156466	18.329	ug/l	100
90) Hexachloroethane	13.87	117	23721	17.622	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	83348	18.853	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12641	19.952	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	53755	19.190	ug/l	99
94) Hexachlorobutadiene	15.01	225	27161	20.699	ug/l	99
95) Naphthalene	15.13	128	155156	18.581	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51924	19.516	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: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

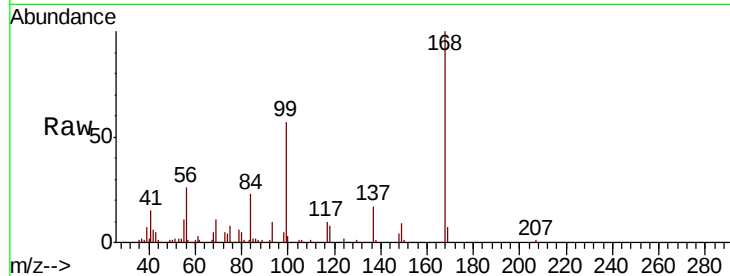
VN0305MBS01

Tot Ion:168 Resp: 191206

Ion Ratio Lower Upper

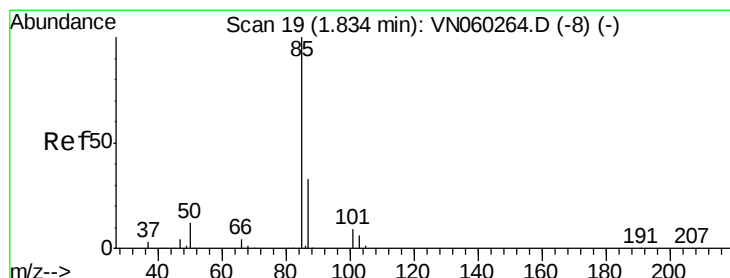
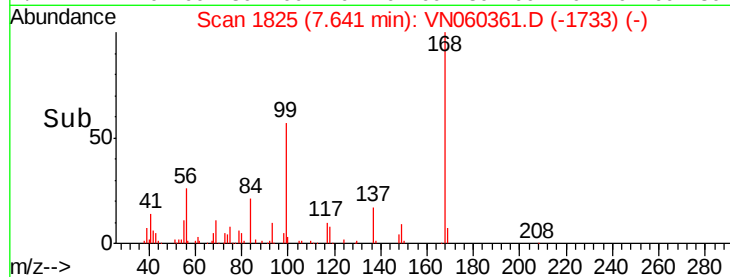
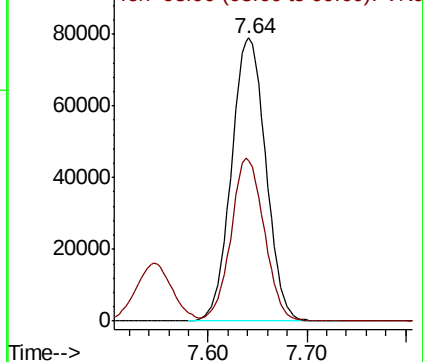
168 100

99 56.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.482 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060361.D

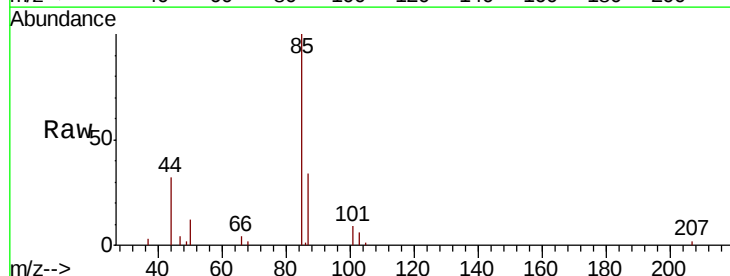
Acq: 5 Mar 2020 12:59

Tgt Ion: 85 Resp: 30647

Ion Ratio Lower Upper

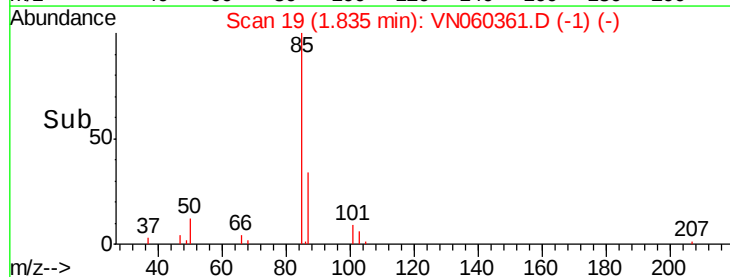
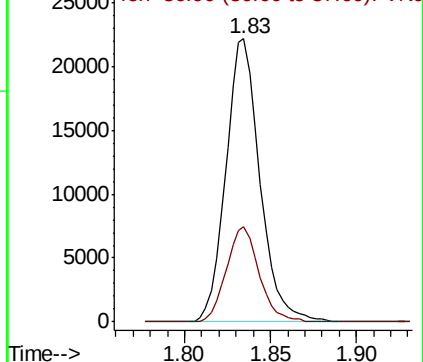
85 100

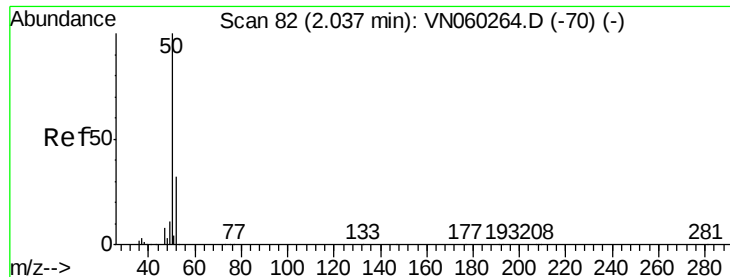
87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.904 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

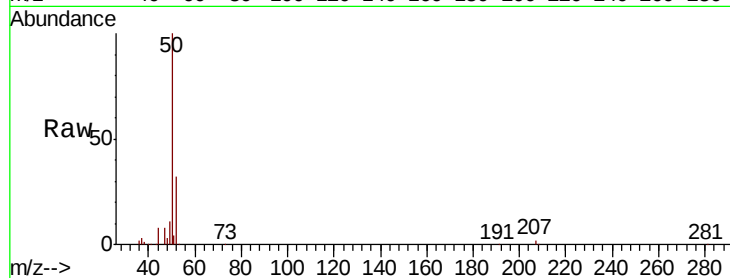
VN0305MBS01

Tot Ion: 50 Resp: 54647

Ion Ratio Lower Upper

50 100

52 32.4 25.6 38.4

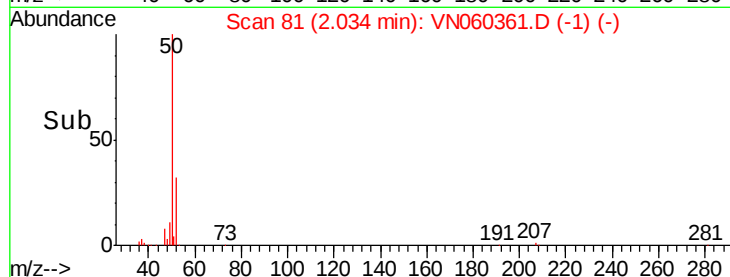


Abundance Ion 49.90 (49.60 to 50.60): VN060264.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN060264.D (-70) (-)

2.03

Time-->



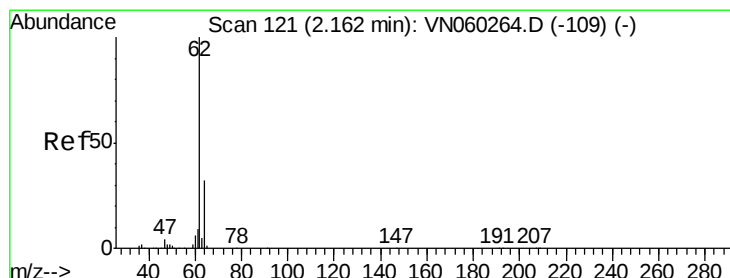
Abundance

Ion 49.90 (49.60 to 50.60): VN060361.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060361.D (-1) (-)

2.03

Time-->



#4

Vinyl Chloride

Concen: 16.991 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060361.D

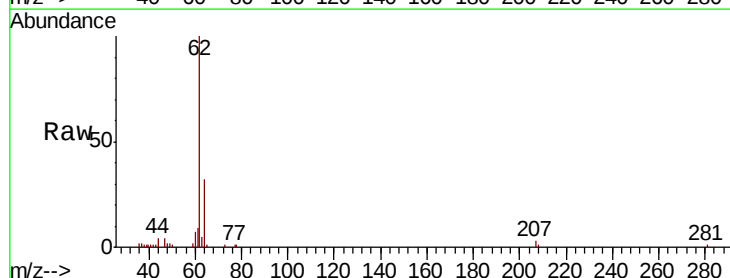
Acq: 5 Mar 2020 12:59

Tgt Ion: 62 Resp: 44475

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3

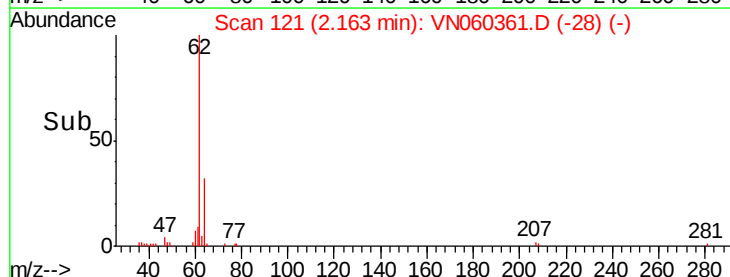


Abundance Ion 61.90 (61.60 to 62.60): VN060264.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN060264.D (-109) (-)

2.16

Time-->



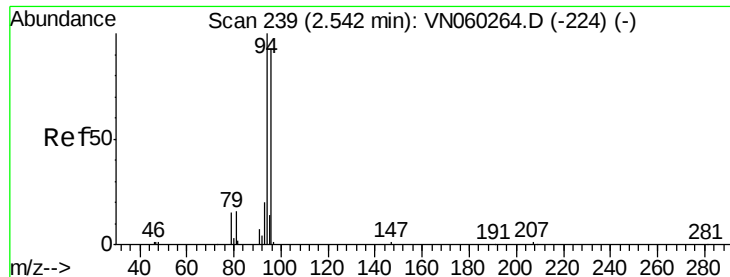
Abundance

Ion 61.90 (61.60 to 62.60): VN060361.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN060361.D (-28) (-)

2.16

Time-->



#5

Bromomethane

Concen: 14.861 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

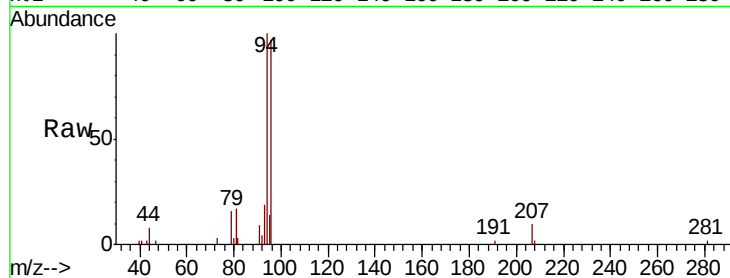
VN0305MBS01

Tot Ion: 94 Resp: 17437

Ion Ratio Lower Upper

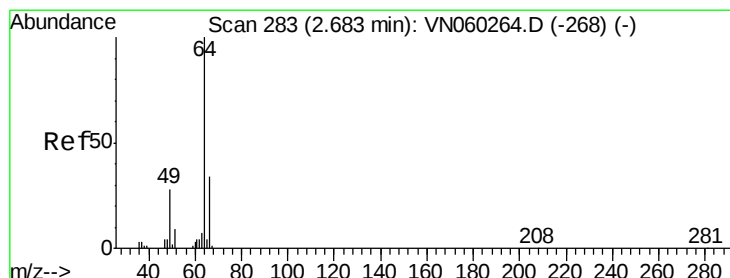
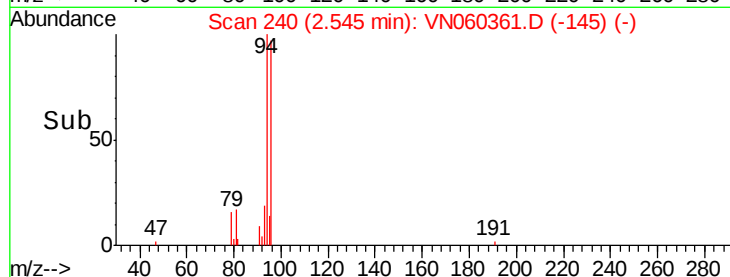
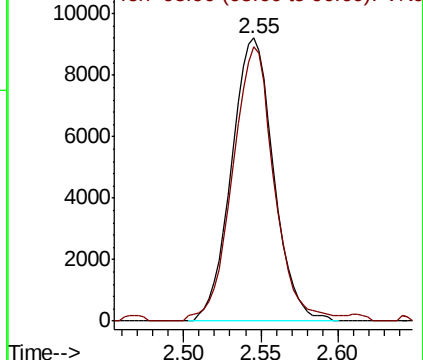
94 100

96 95.3 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.143 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060361.D

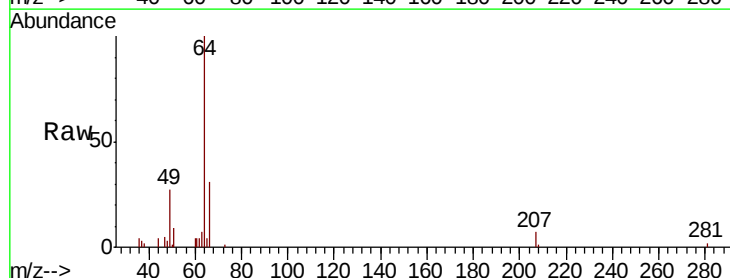
Acq: 5 Mar 2020 12:59

Tgt Ion: 64 Resp: 24312

Ion Ratio Lower Upper

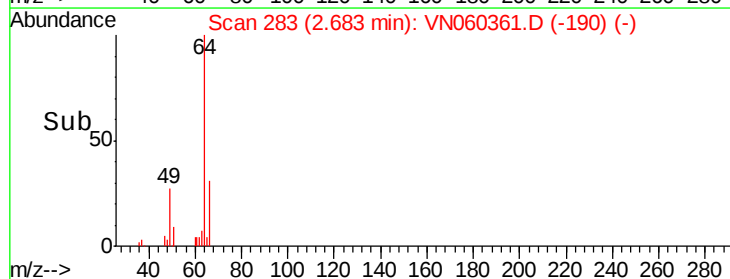
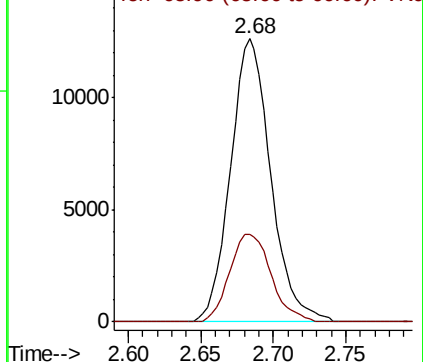
64 100

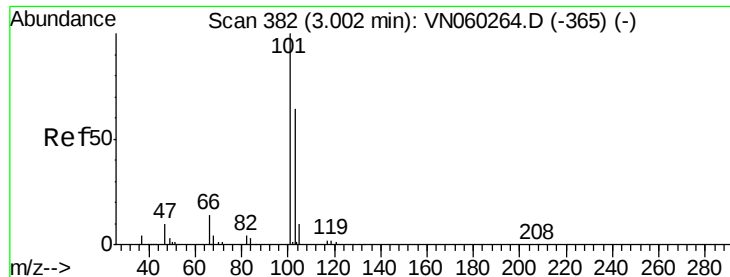
66 31.1 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



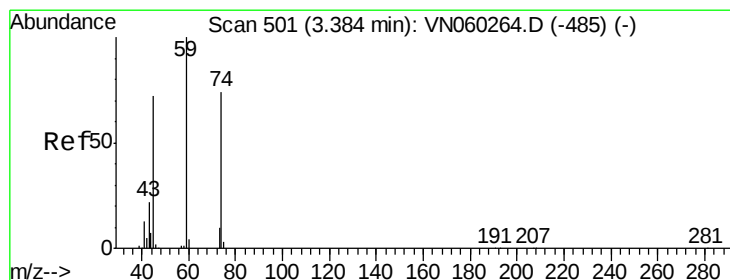
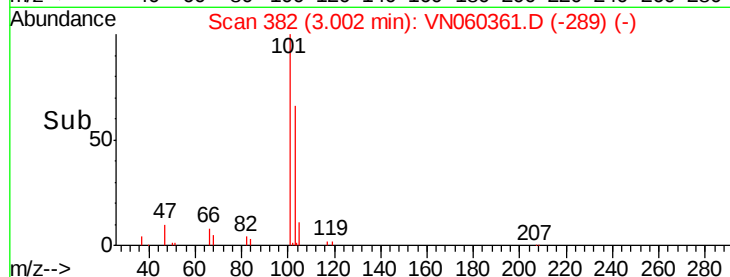
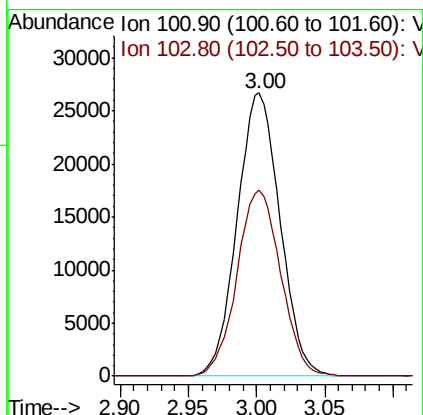
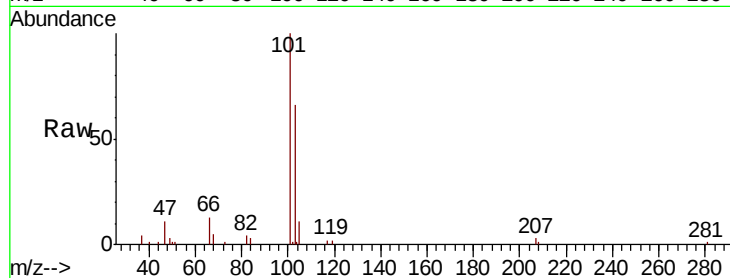


#7

Trichlorofluoromethane
Concen: 17.406 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
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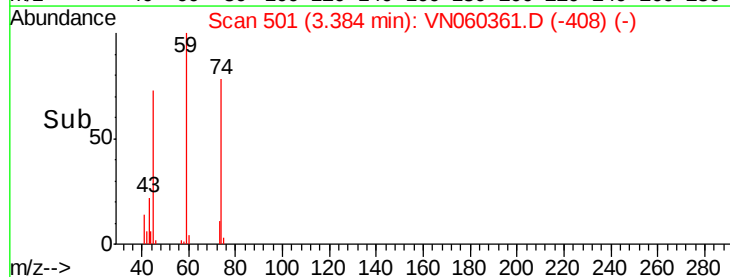
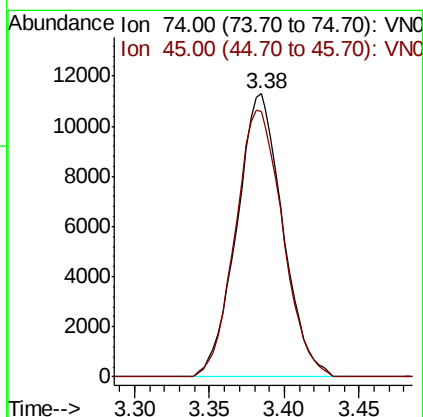
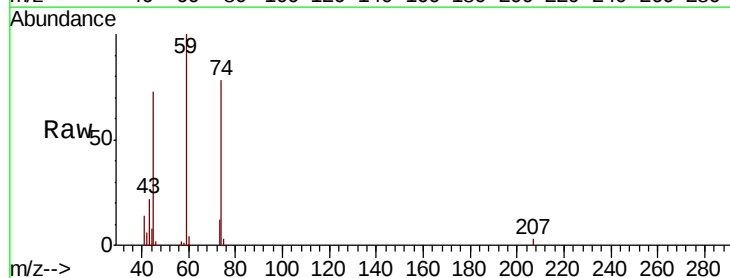
Tot Ion:101 Resp: 58211
Ion Ratio Lower Upper
101 100
103 65.6 51.3 76.9



#8

Diethyl Ether
Concen: 19.053 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 74 Resp: 24058
Ion Ratio Lower Upper
74 100
45 97.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.169 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

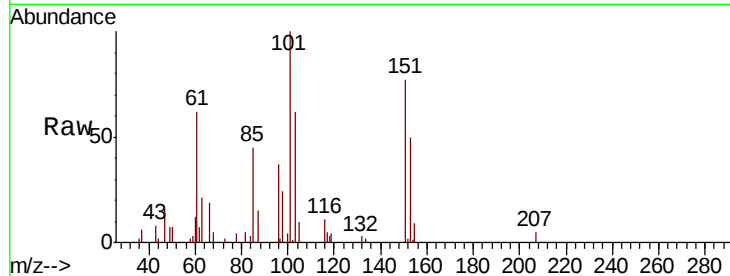
Tot Ion:101 Resp: 34388

Ion Ratio Lower Upper

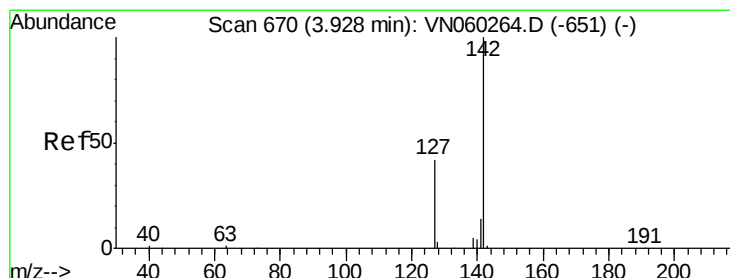
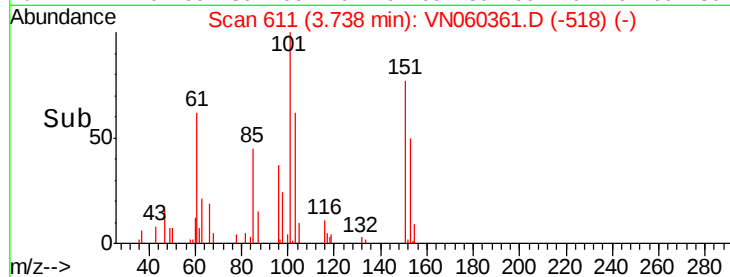
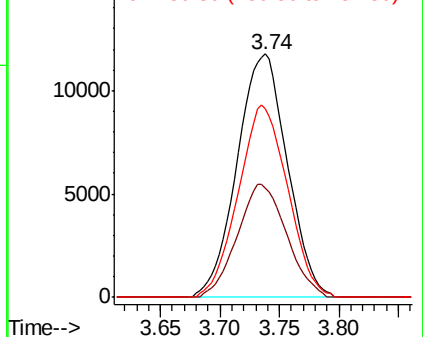
101 100

85 45.5 35.4 53.2

151 77.6 62.0 93.0



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



#10

Methyl Iodide

Concen: 17.979 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

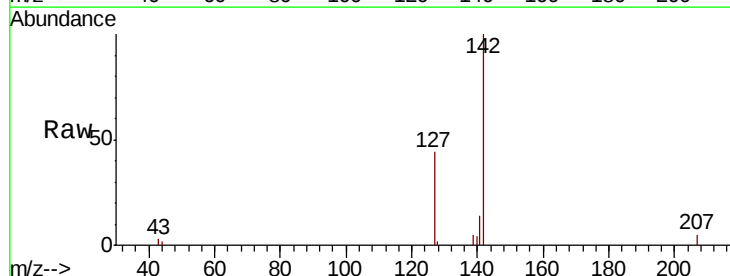
Tgt Ion:142 Resp: 31056

Ion Ratio Lower Upper

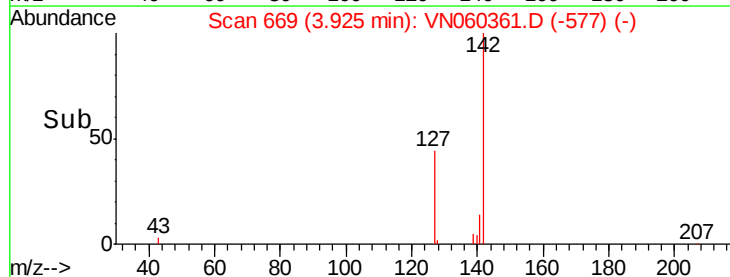
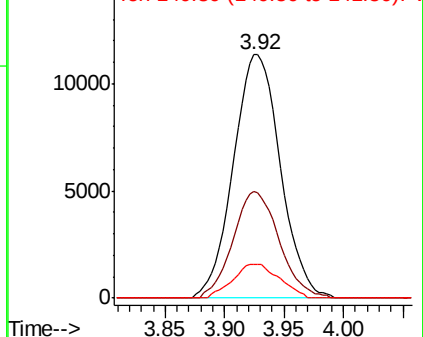
142 100

127 43.0 33.8 50.6

141 13.8 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

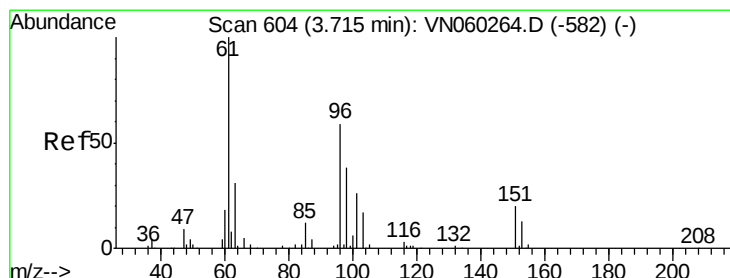
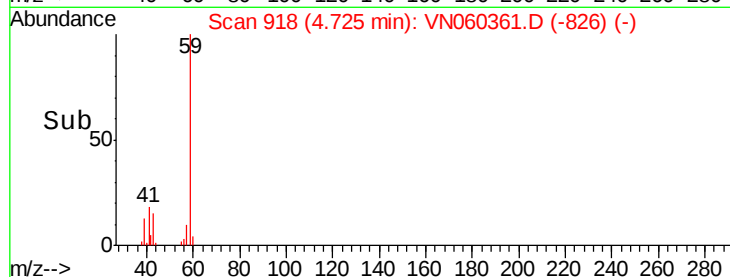
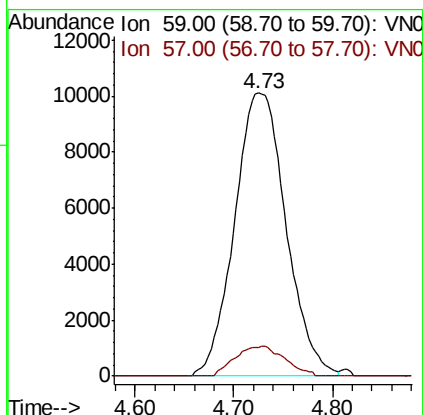
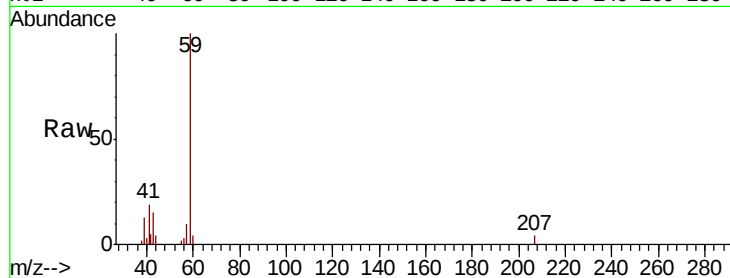




#11
Tert butyl alcohol
Concen: 100.338 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

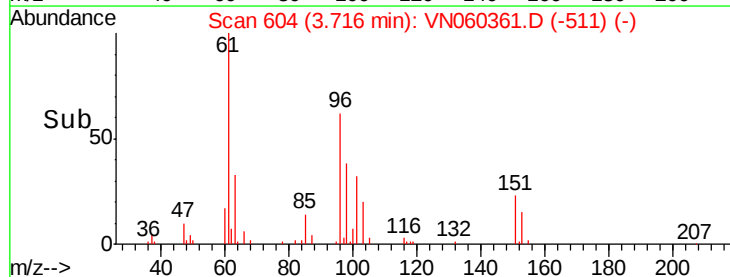
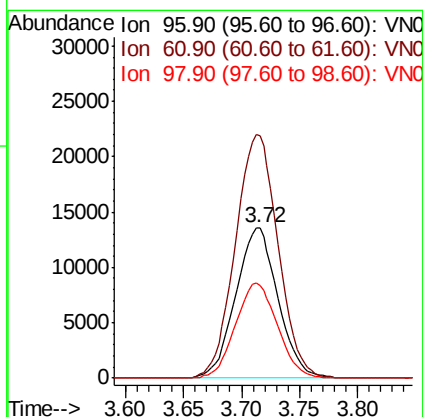
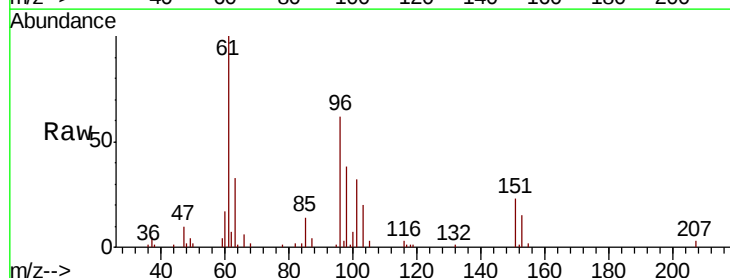
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion: 59 Resp: 36550
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 18.618 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 96 Resp: 34290
Ion Ratio Lower Upper
96 100
61 161.0 135.4 203.0
98 61.8 51.6 77.4





#13

Acrolein

Concen: 96.575 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

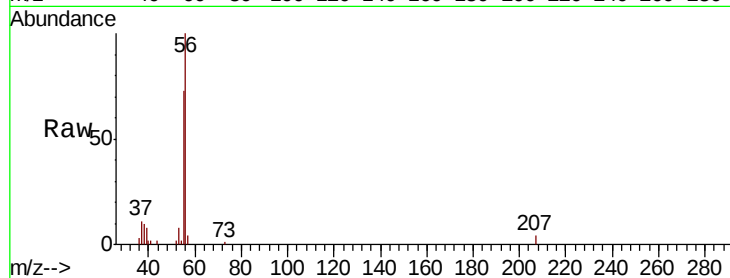
VN0305MBS01

Tot Ion: 56 Resp: 32819

Ion Ratio Lower Upper

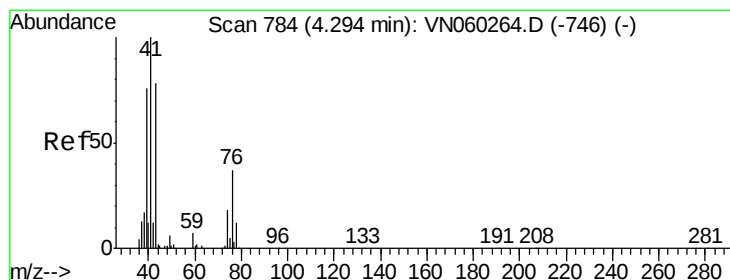
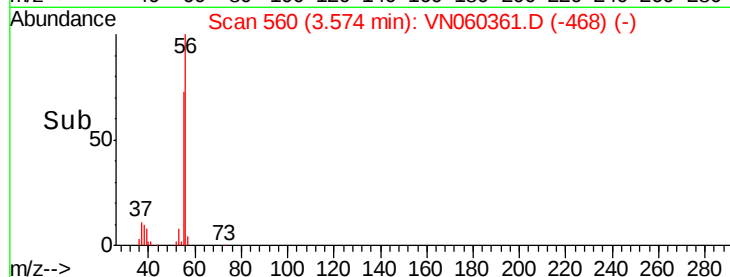
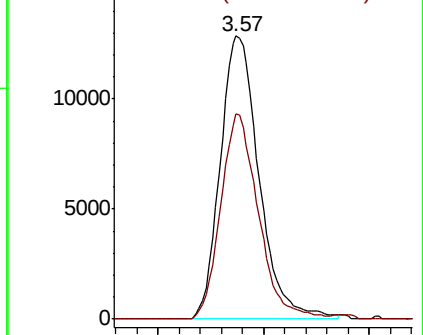
56 100

55 70.4 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN060361.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN060361.D (-468) (-)



#14

Allyl chloride

Concen: 17.356 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

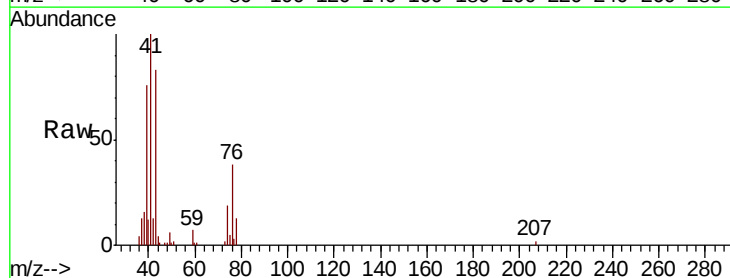
Tgt Ion: 41 Resp: 58786

Ion Ratio Lower Upper

41 100

39 78.7 55.4 83.2

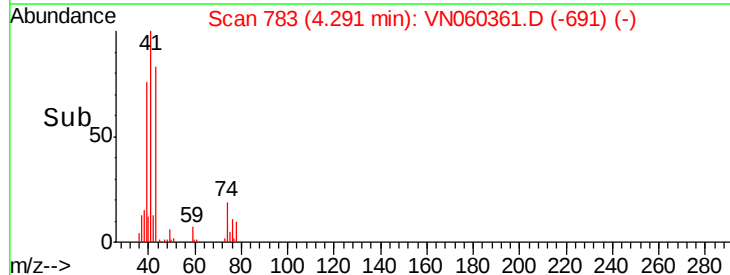
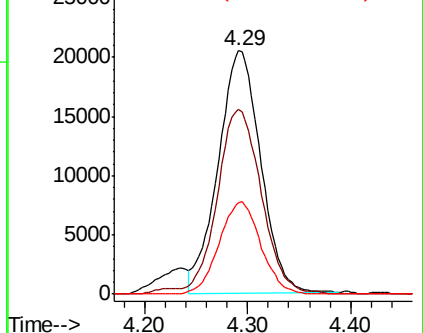
76 37.1 27.0 40.6

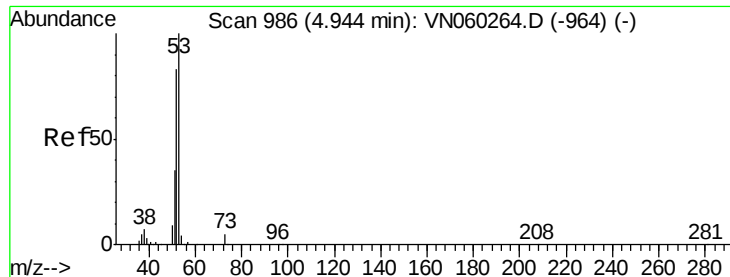


Abundance Ion 41.00 (40.70 to 41.70): VN060361.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060361.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060361.D (-691) (-)





#15

Acrylonitrile

Concen: 102.563 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

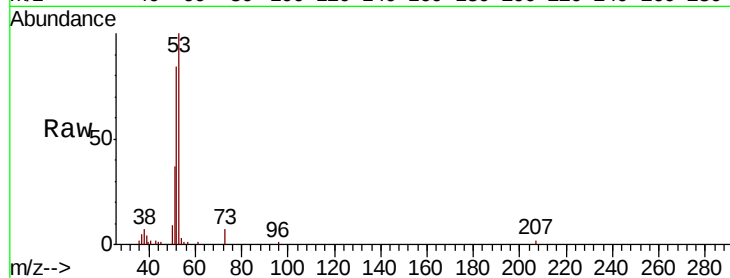
Tot Ion: 53 Resp: 98475

Ion Ratio Lower Upper

53 100

52 82.9 66.8 100.2

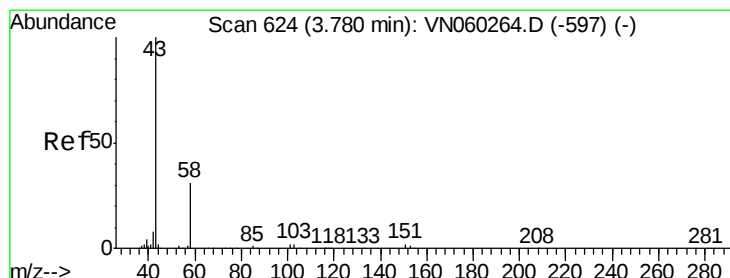
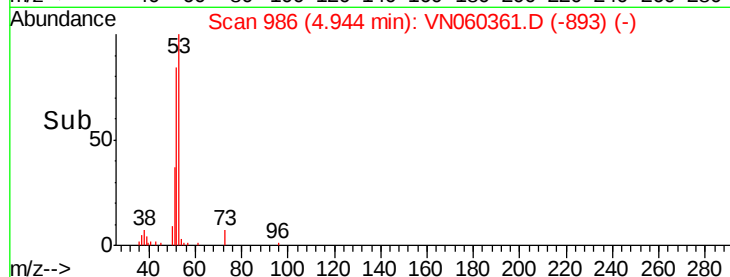
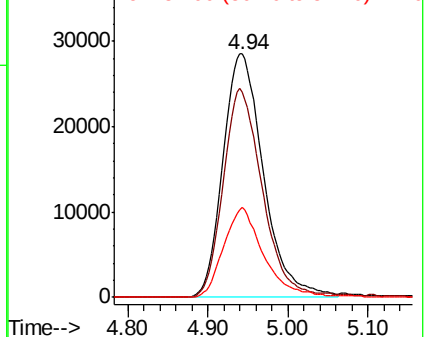
51 36.5 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060361.D (-531) (-)

Ion 52.00 (51.70 to 52.70): VN060361.D (-531) (-)

Ion 51.00 (50.70 to 51.70): VN060361.D (-531) (-)



#16

Acetone

Concen: 102.168 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060361.D

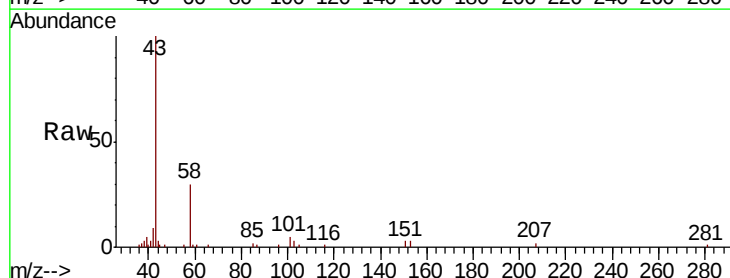
Acq: 5 Mar 2020 12:59

Tgt Ion: 43 Resp: 80939

Ion Ratio Lower Upper

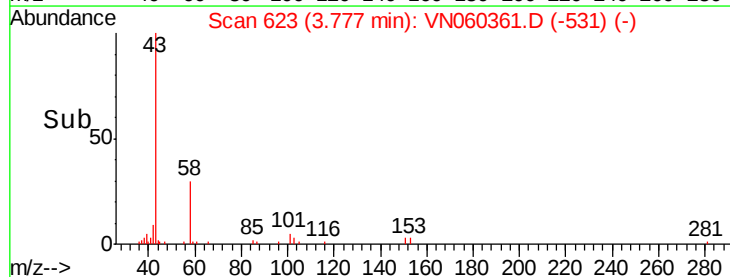
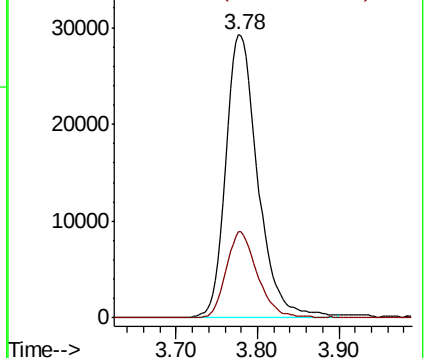
43 100

58 30.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060361.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060361.D (-531) (-)

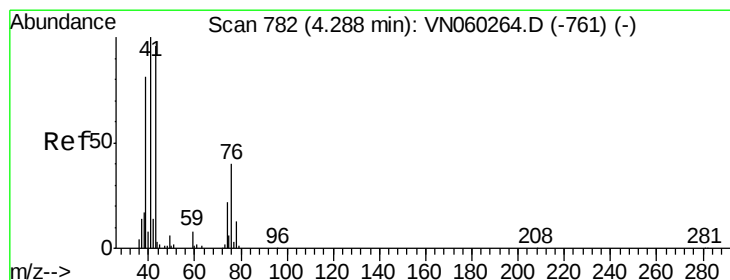
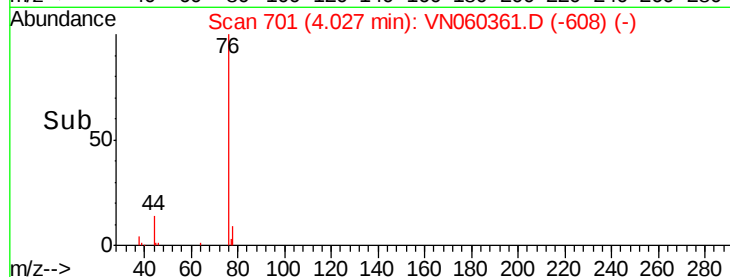
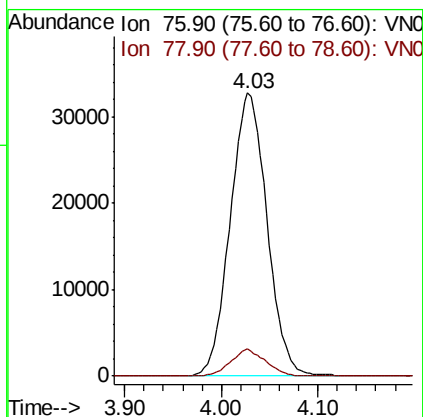
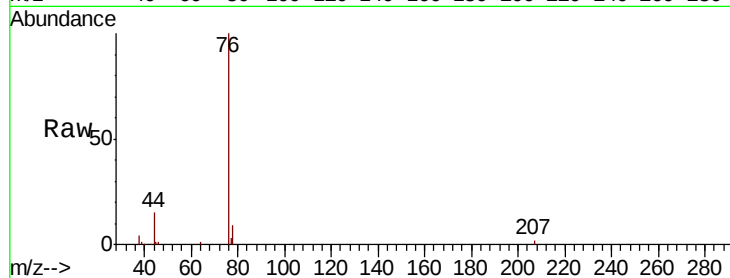




#17
Carbon Disulfide
Concen: 17.278 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

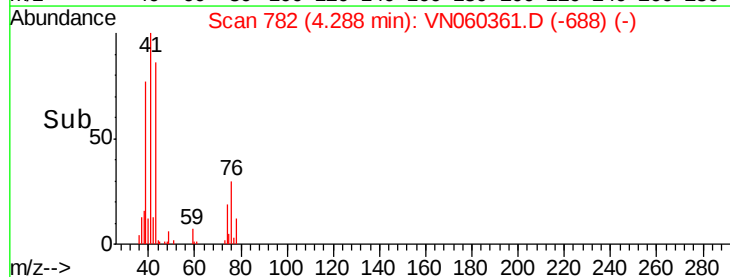
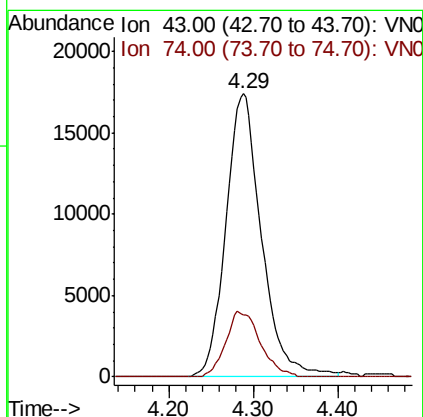
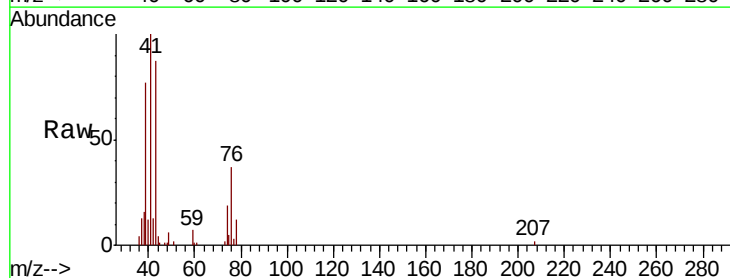
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion: 76 Resp: 86476
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 19.271 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 43 Resp: 50948
Ion Ratio Lower Upper
43 100
74 22.5 18.8 28.2



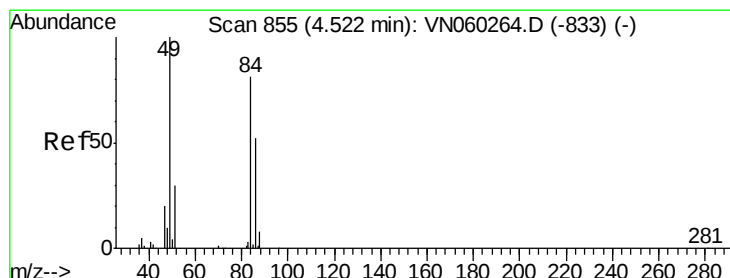
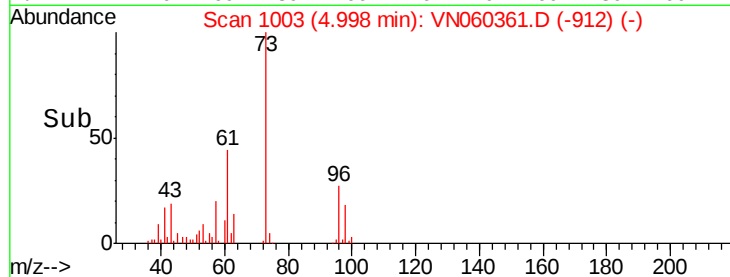
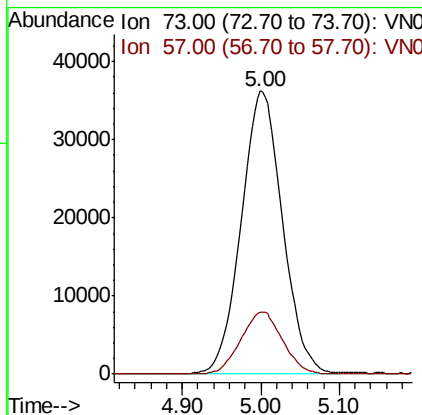
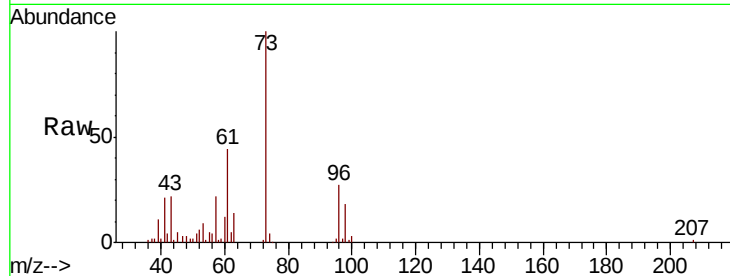


#19

Methyl tert-butyl Ether
 Concen: 20.058 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

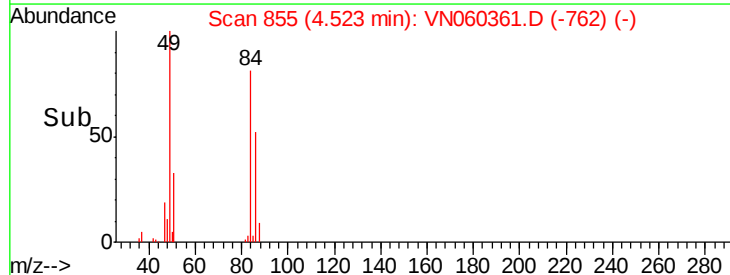
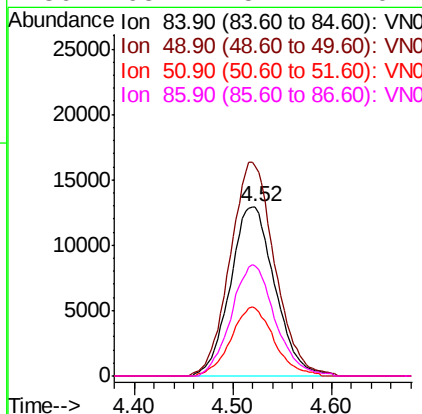
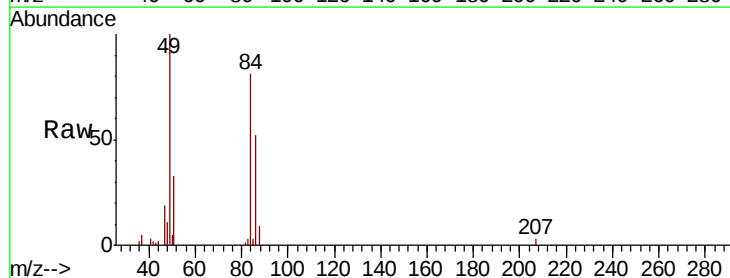
Tot Ion: 73 Resp: 133777
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.3 25.9

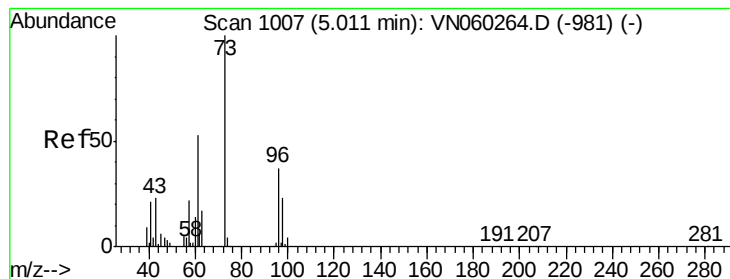


#20

Methylene Chloride
 Concen: 18.667 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion: 84 Resp: 40613
 Ion Ratio Lower Upper
 84 100
 49 123.9 99.3 148.9
 51 40.4 30.1 45.1
 86 65.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.393 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

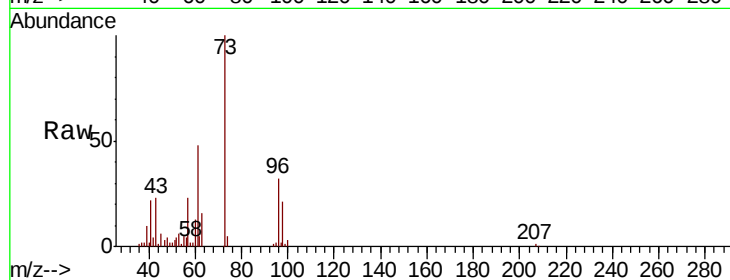
Tot Ion: 96 Resp: 36832

Ion Ratio Lower Upper

96 100

61 149.0 113.8 170.8

98 65.9 48.8 73.2

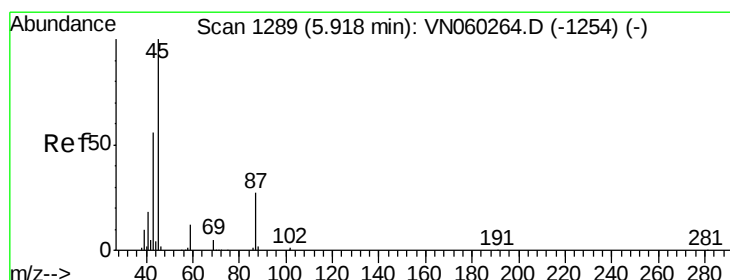
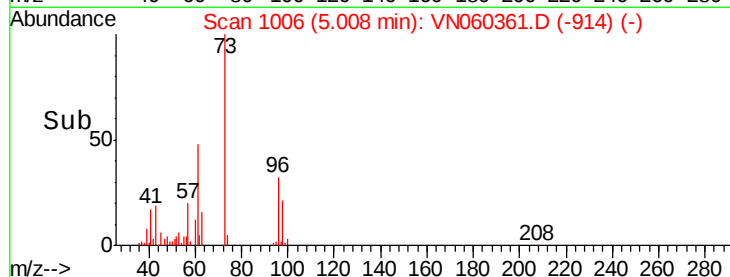
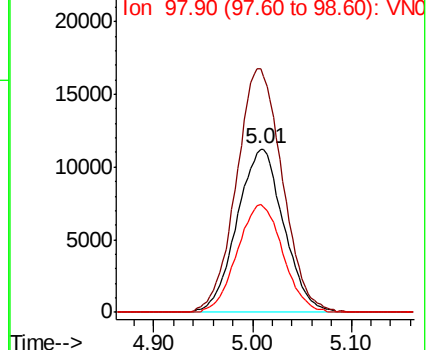


Abundance

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



#22

Diisopropyl ether

Concen: 20.246 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion: 45 Resp: 138897

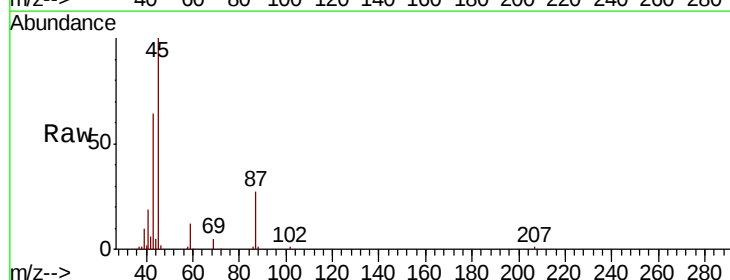
Ion Ratio Lower Upper

45 100

43 61.1 48.6 72.8

87 27.1 22.2 33.2

59 12.4 9.5 14.3



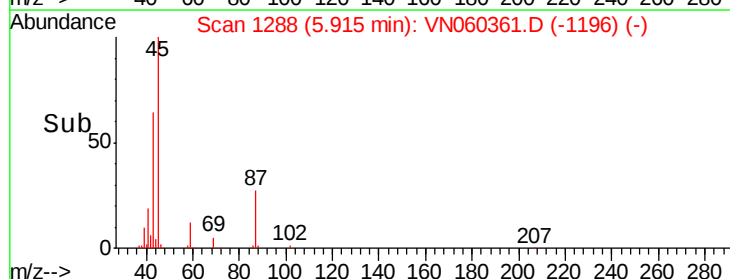
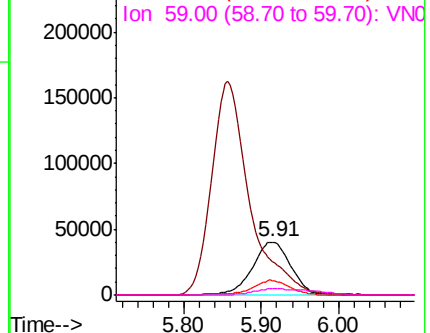
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 102.445 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

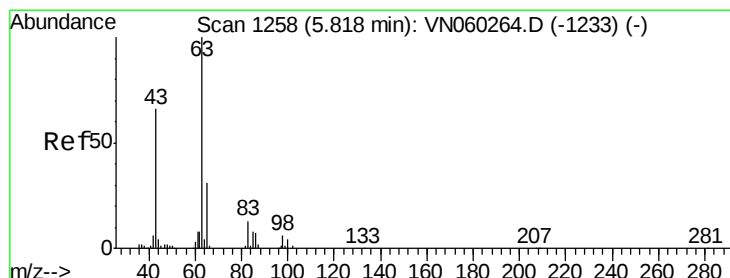
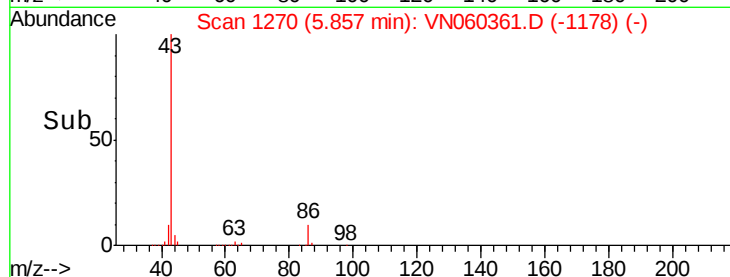
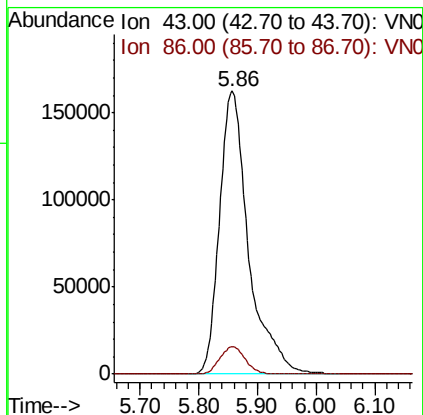
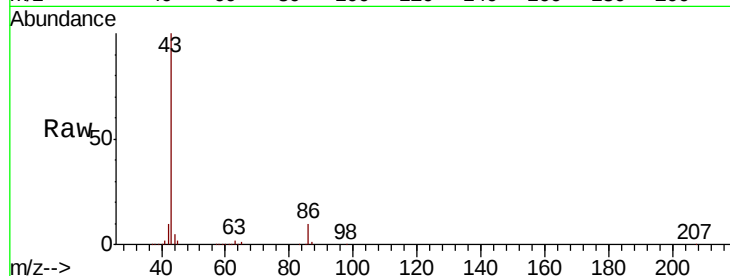
VN0305MBS01

Tot Ion: 43 Resp: 558495

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



#24

1,1-Dichloroethane

Concen: 19.399 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

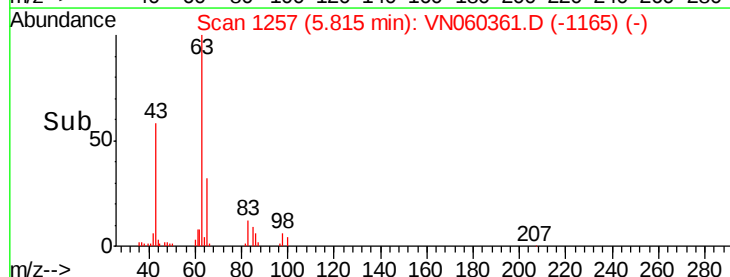
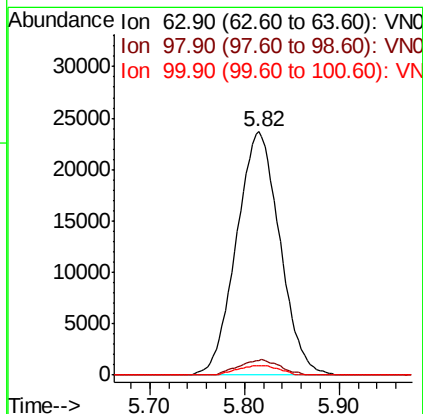
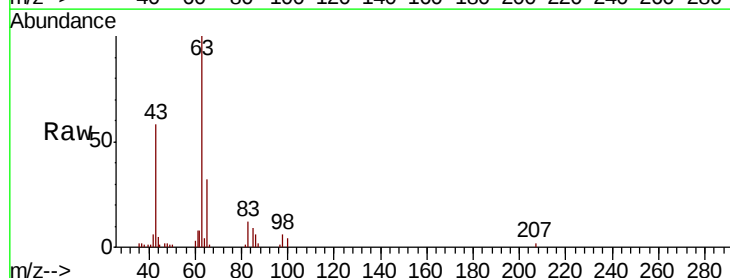
Tgt Ion: 63 Resp: 75338

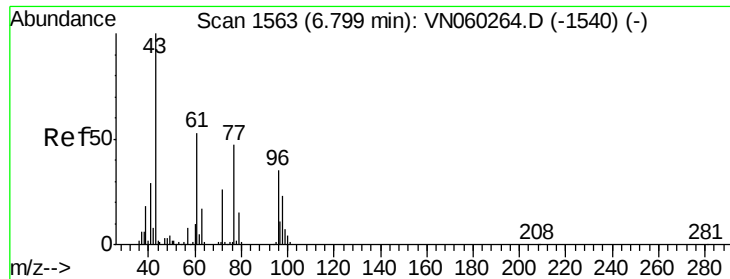
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 4.0 2.0 6.0

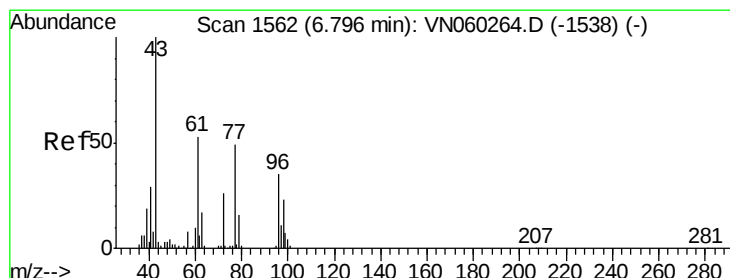
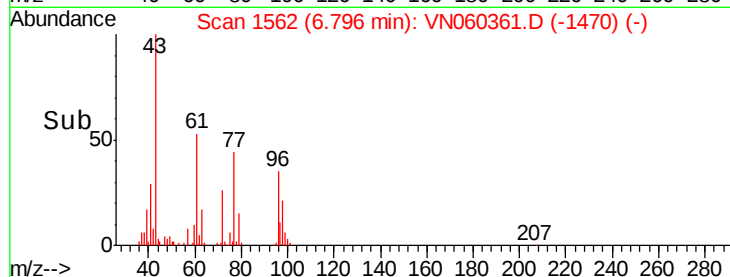
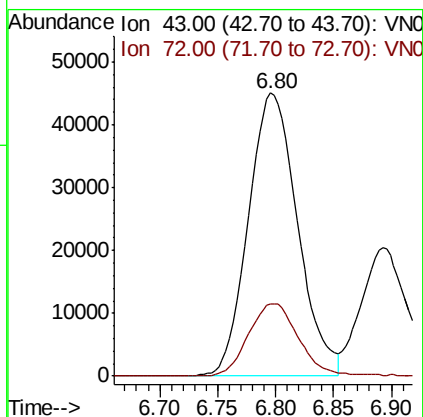
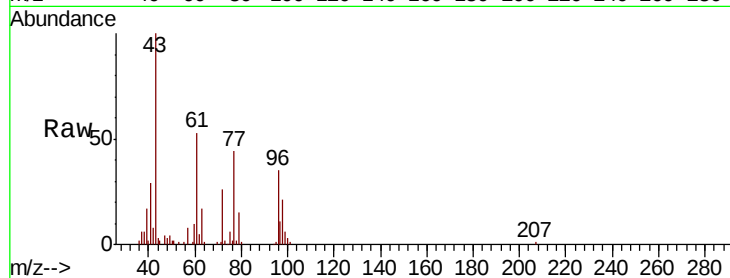




#25
2-Butanone
Concen: 104.015 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

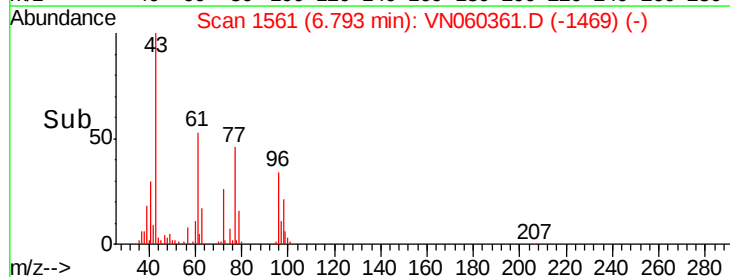
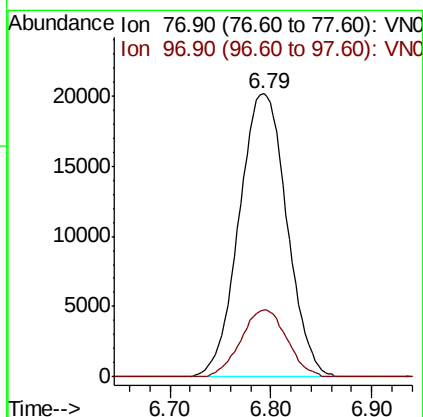
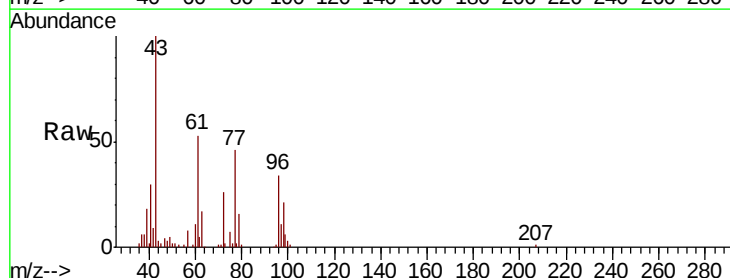
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

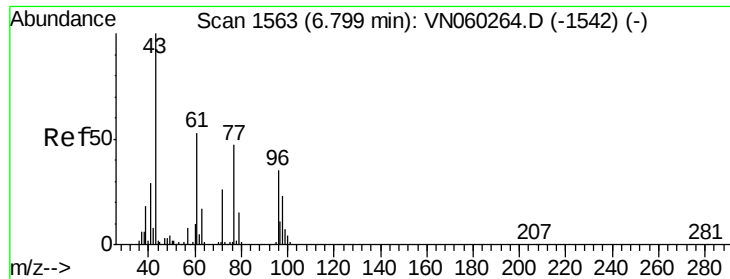
Tot Ion: 43 Resp: 133099
Ion Ratio Lower Upper
43 100
72 25.5 20.9 31.3



#26
2,2-Dichloropropane
Concen: 18.731 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 77 Resp: 66225
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.870 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

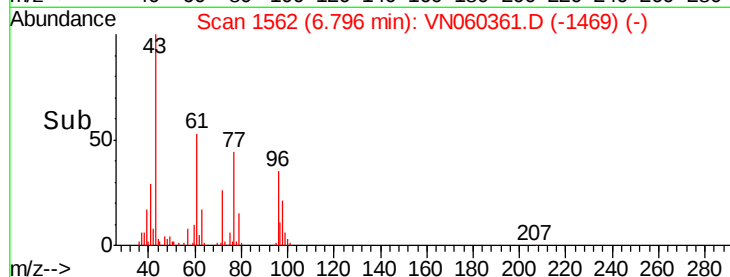
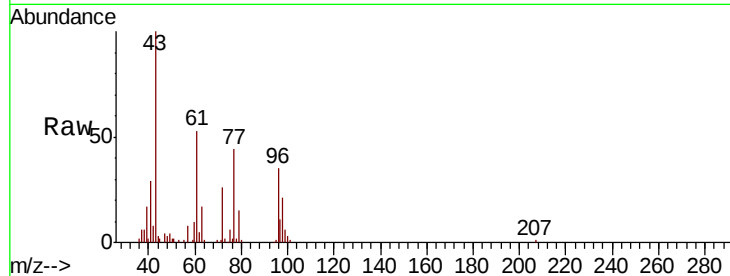
Tot Ion: 96 Resp: 45083

Ion Ratio Lower Upper

96 100

61 155.7 0.0 300.8

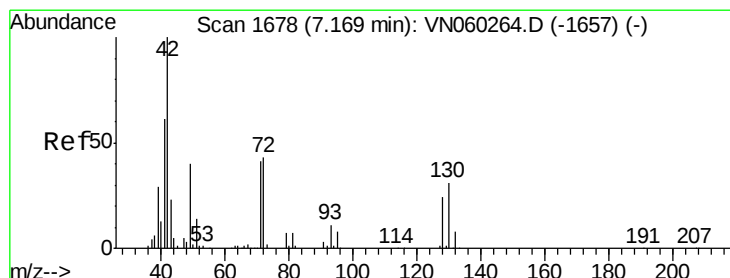
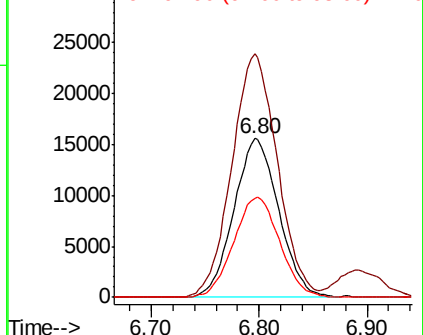
98 64.5 0.0 128.2



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: 18.355 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

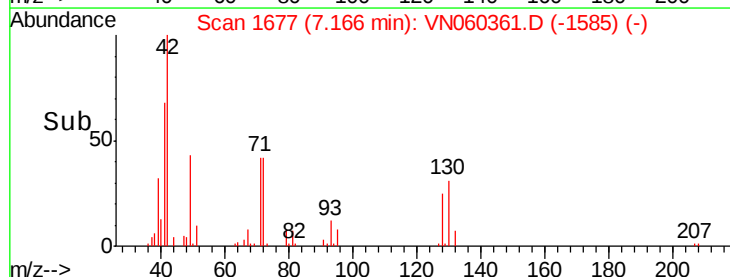
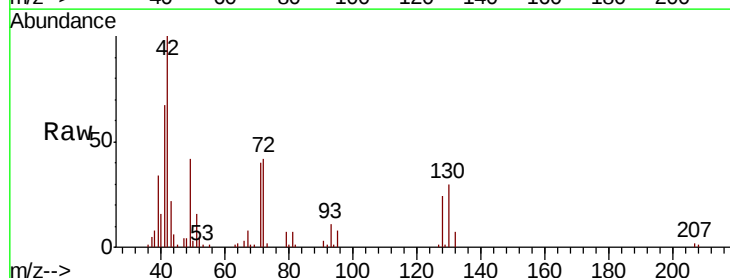
Tgt Ion: 49 Resp: 29267

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.8

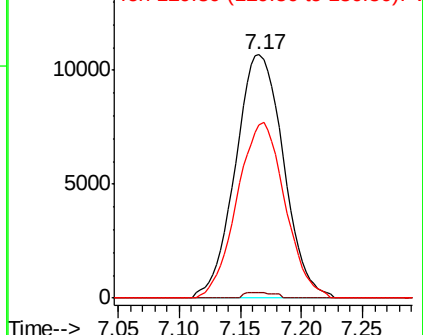
130 71.7 59.8 89.8



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

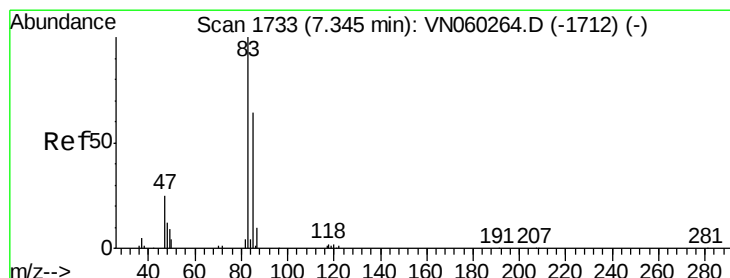
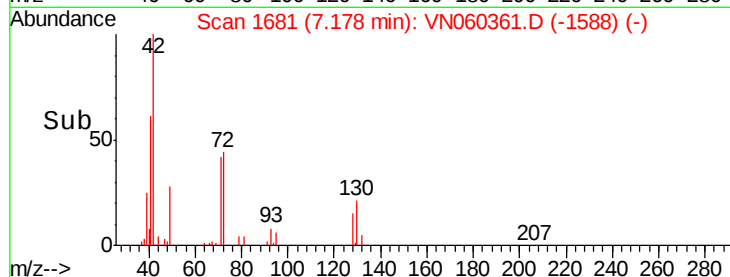
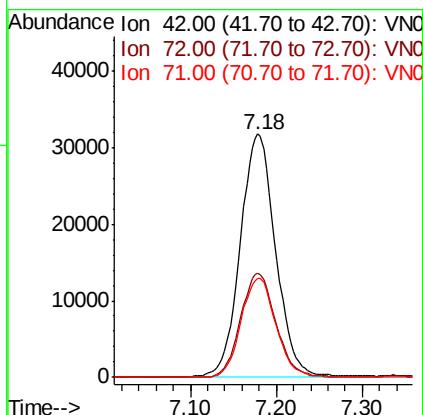
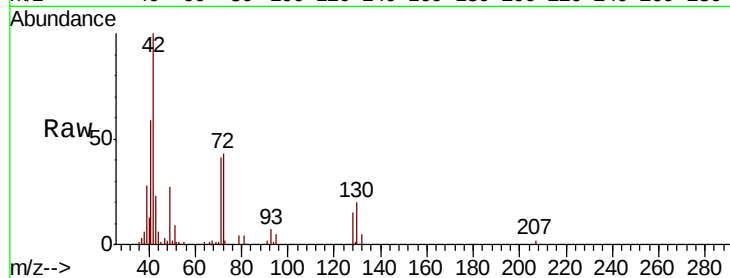




#29
Tetrahydrofuran
Concen: 102.064 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

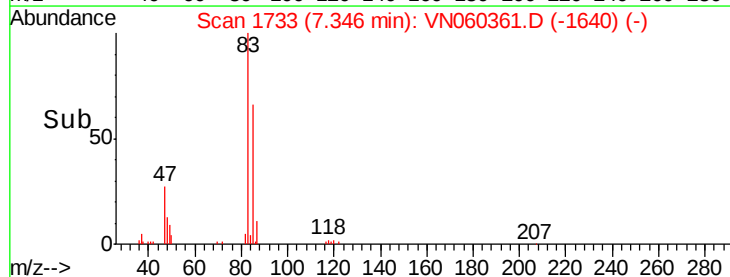
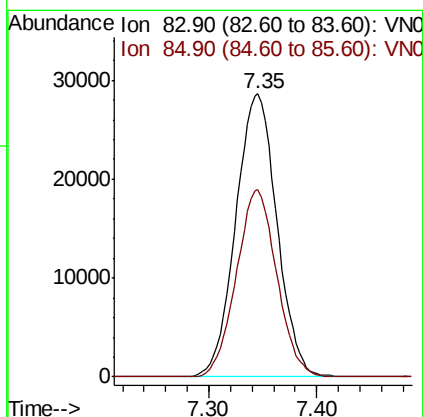
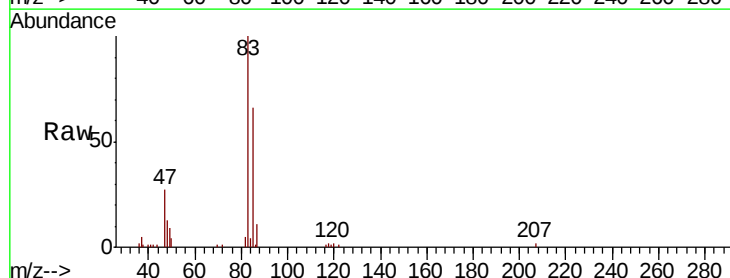
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

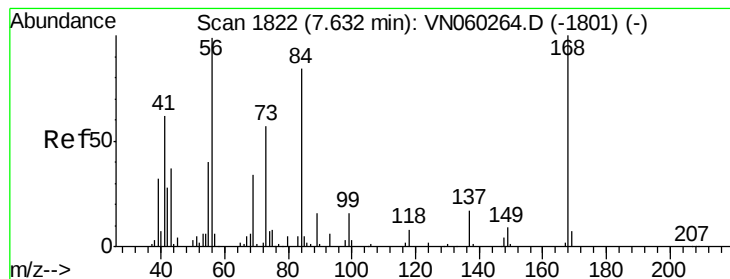
Tot Ion: 42 Resp: 90818
Ion Ratio Lower Upper
42 100
72 42.6 34.6 52.0
71 40.0 32.9 49.3



#30
Chloroform
Concen: 19.622 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 83 Resp: 75858
Ion Ratio Lower Upper
83 100
85 66.4 51.4 77.2





#31

Cyclohexane

Concen: 19.622 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

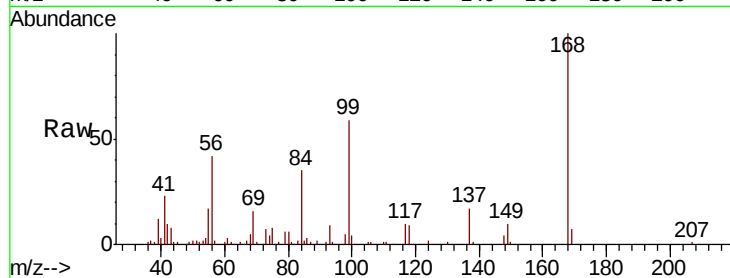
Tot Ion: 56 Resp: 67727

Ion Ratio Lower Upper

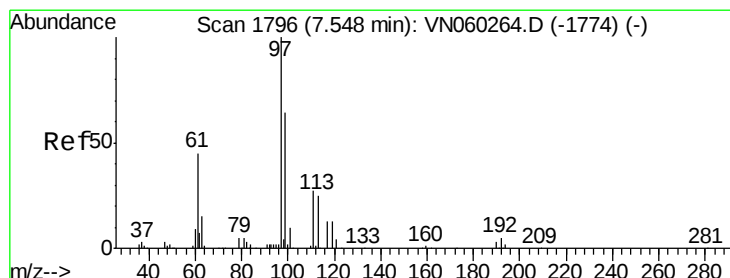
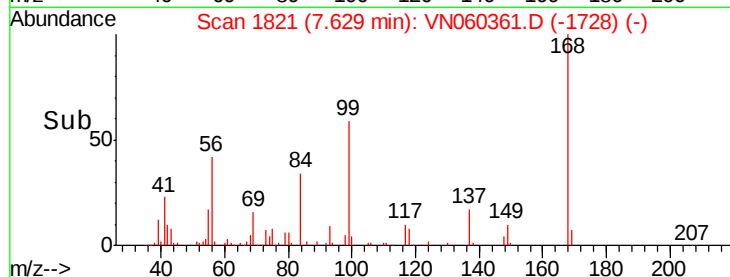
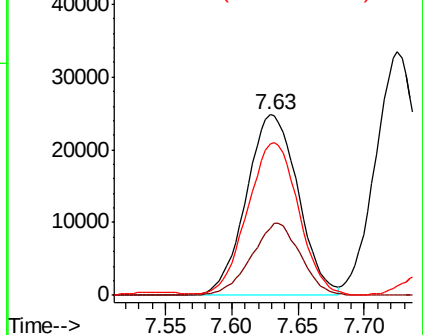
56 100

69 37.3 27.2 40.8

84 83.3 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: 19.277 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

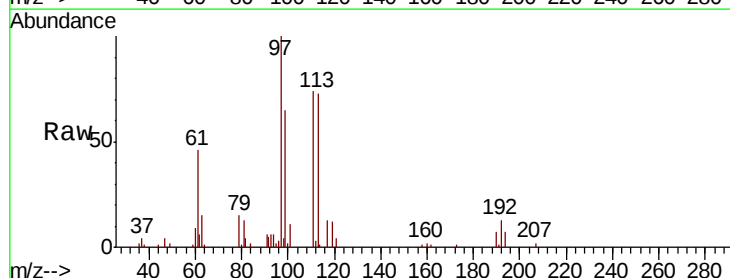
Tgt Ion: 97 Resp: 66031

Ion Ratio Lower Upper

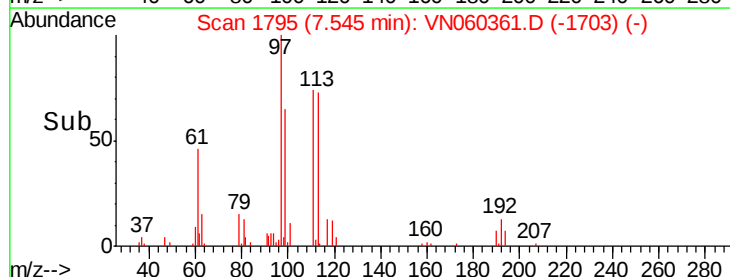
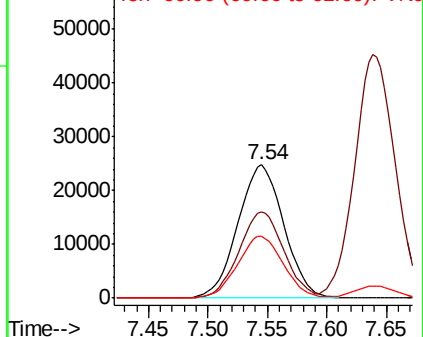
97 100

99 63.8 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: 48.634 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

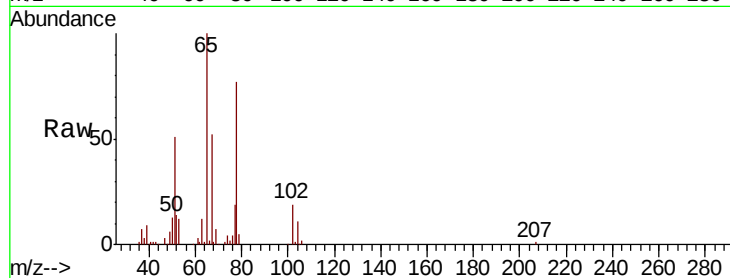
VN0305MBS01

Tot Ion: 65 Resp: 119308

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060264.D (-1920) (-)

8.00

60000

50000

40000

30000

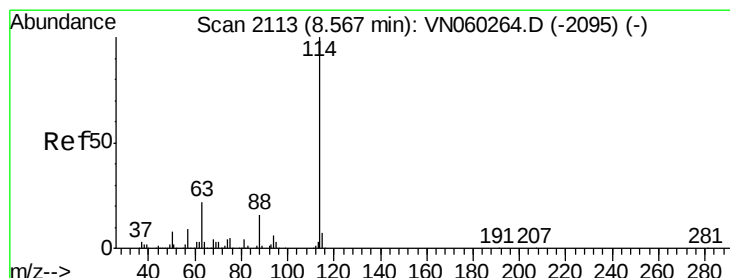
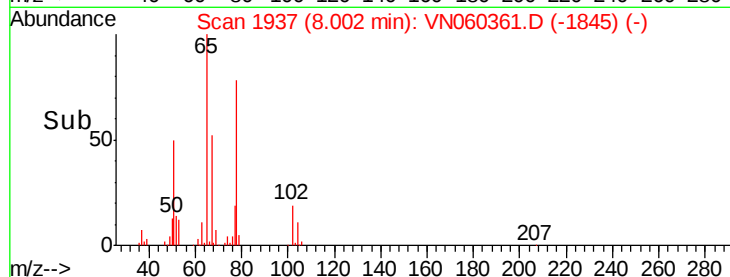
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

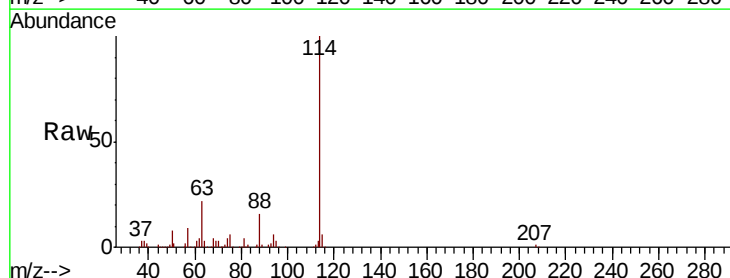
Tgt Ion: 114 Resp: 311893

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060264.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060264.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060264.D (-2095) (-)

200000

150000

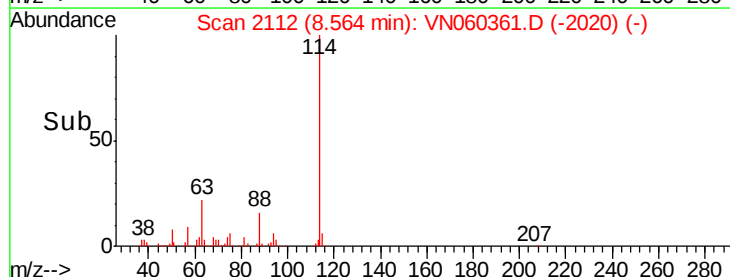
100000

50000

0

8.50 8.55 8.60 8.65 8.70

Time-->

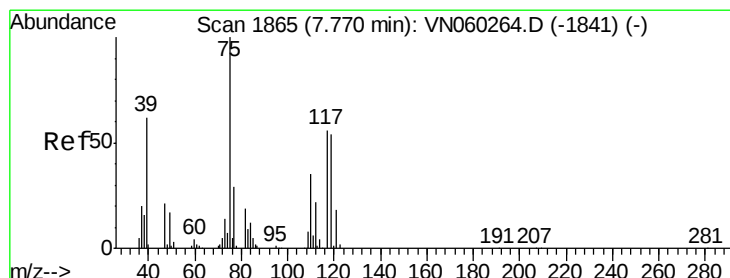
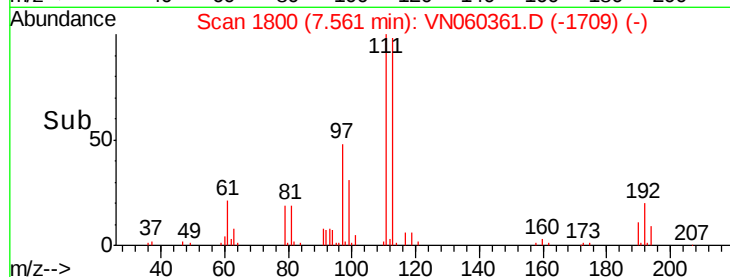
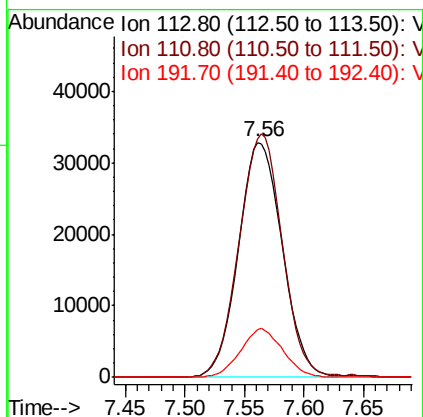
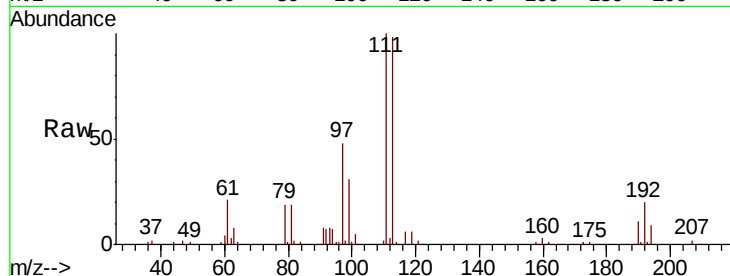




#35
 Dibromofluoromethane
 Concen: 57.791 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

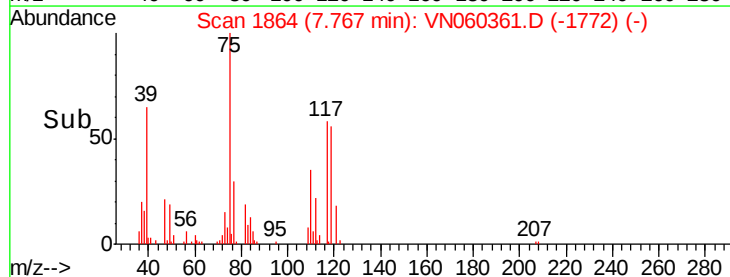
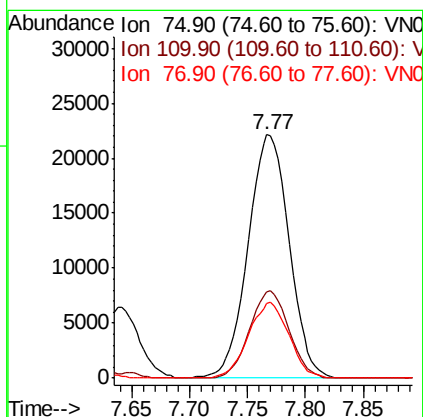
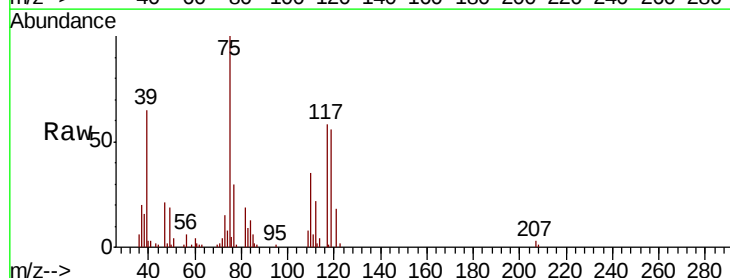
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

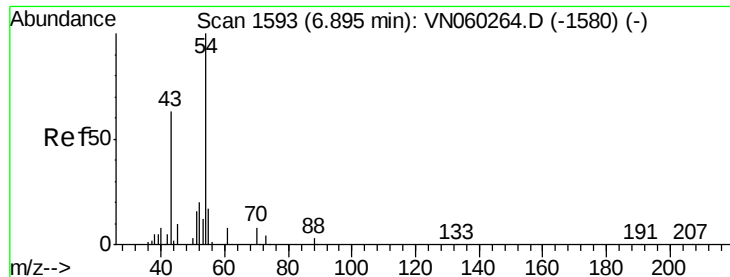
Tot Ion:113 Resp: 83664
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 19.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 18.390 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion: 75 Resp: 54665
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.3 52.0
 77 30.4 24.2 36.2

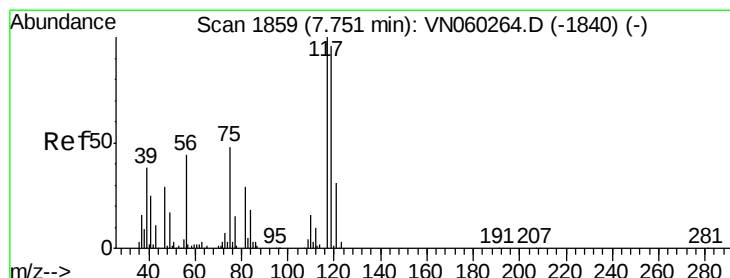
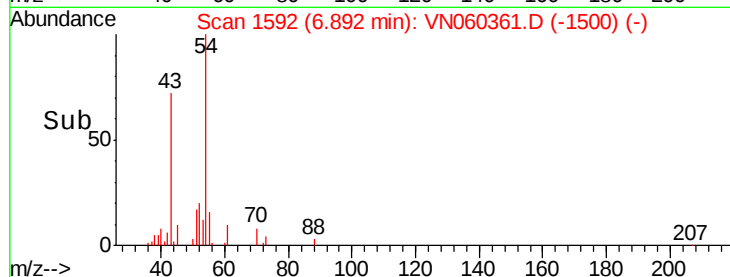
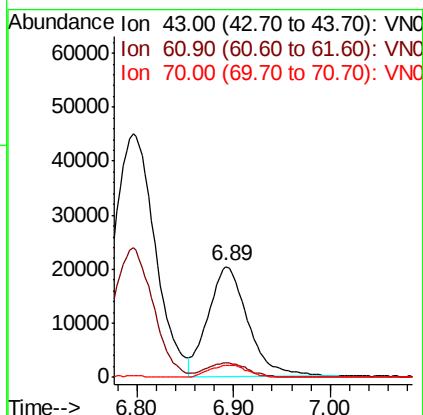
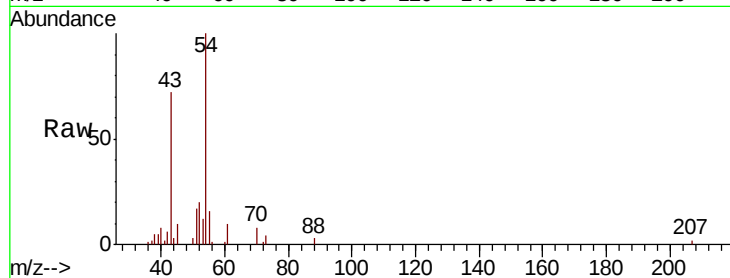




#37
Ethyl Acetate
Concen: 20.802 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

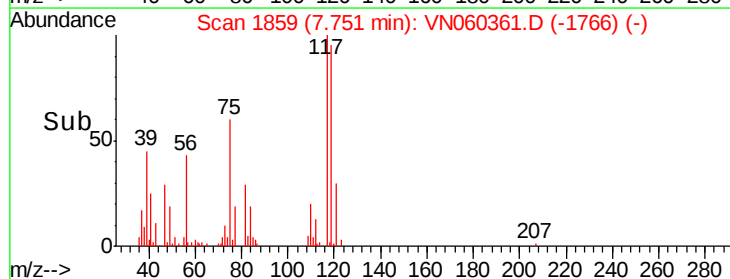
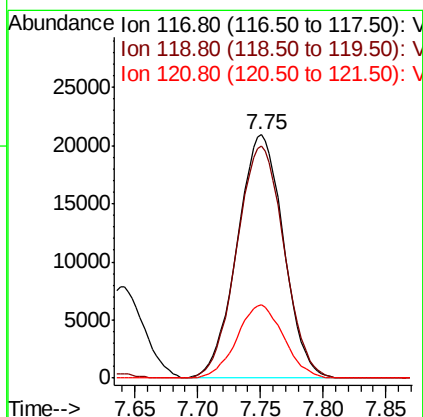
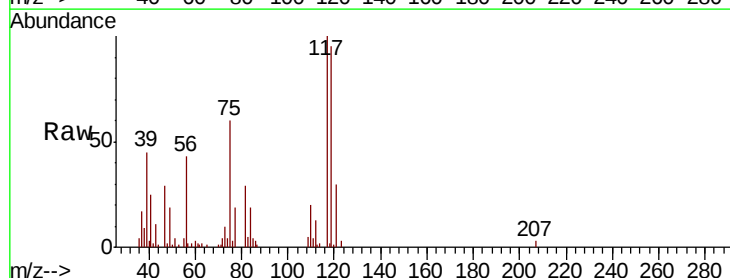
Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

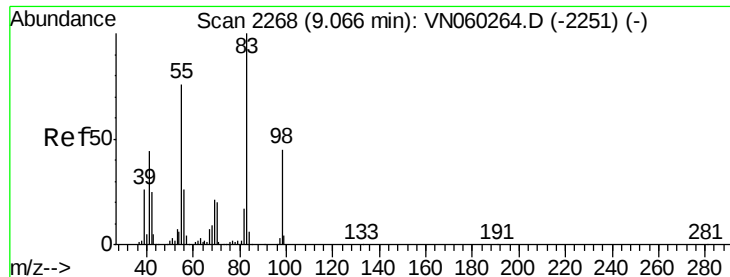
Tot Ion: 43 Resp: 58549
Ion Ratio Lower Upper
43 100
61 13.5 11.1 16.7
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.587 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 117 Resp: 53792
Ion Ratio Lower Upper
117 100
119 95.2 76.7 115.1
121 30.2 24.5 36.7

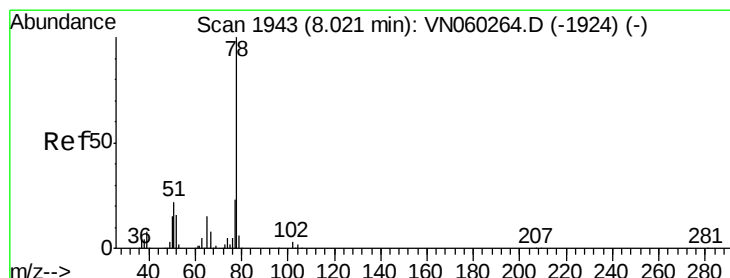
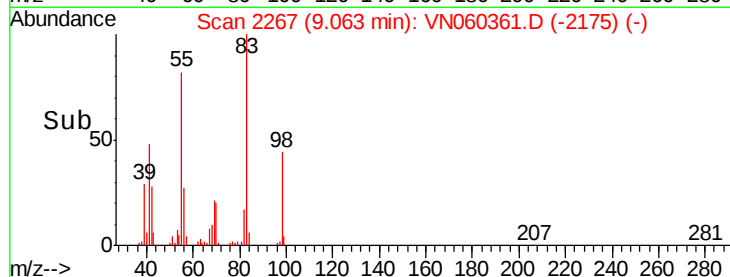
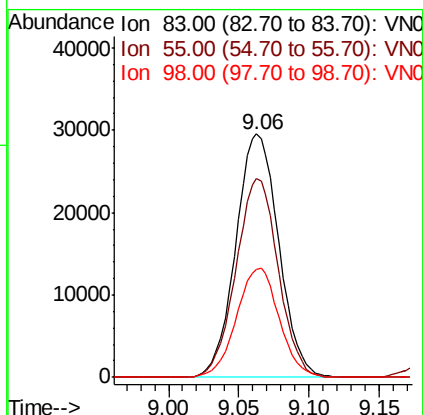
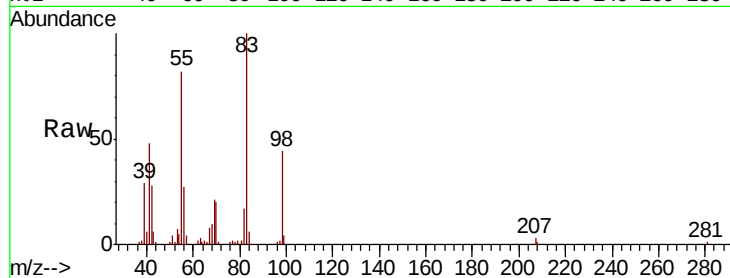




#39
Methvlcvclohexane
Concen: 17.958 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

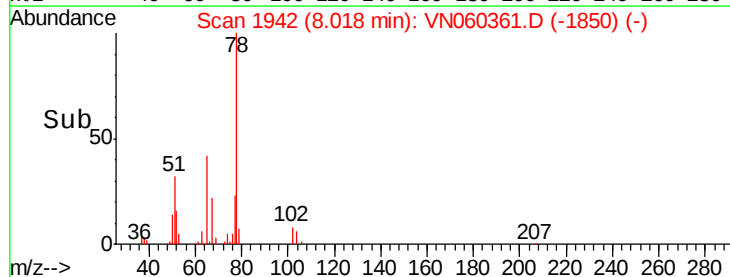
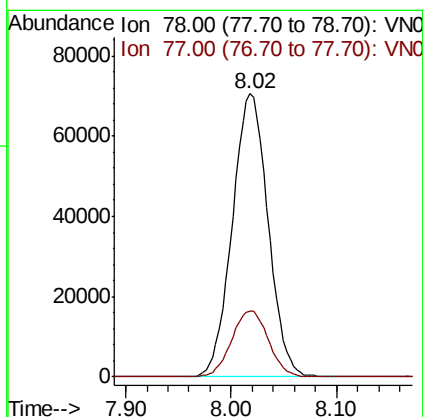
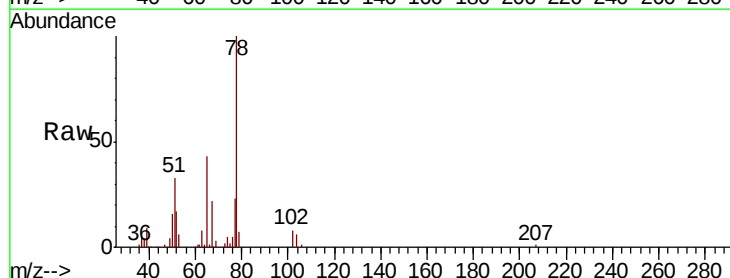
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

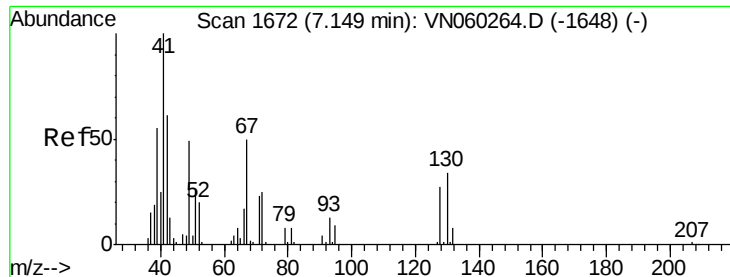
Tot Ion: 83 Resp: 62938
Ion Ratio Lower Upper
83 100
55 81.8 61.0 91.4
98 44.3 36.1 54.1



#40
Benzene
Concen: 19.183 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 78 Resp: 165966
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

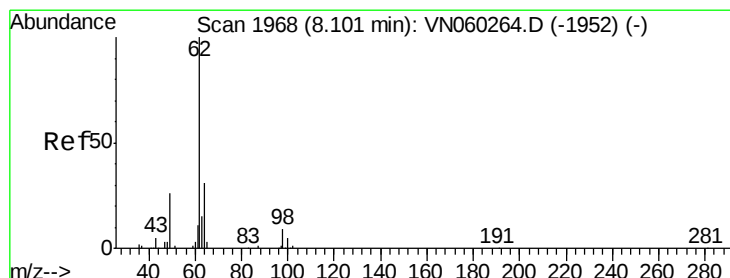
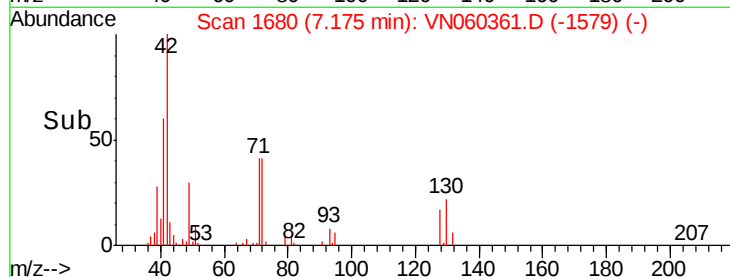
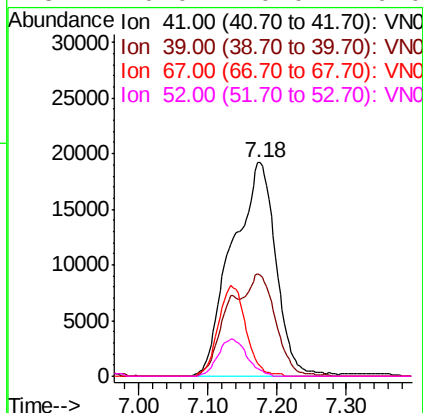
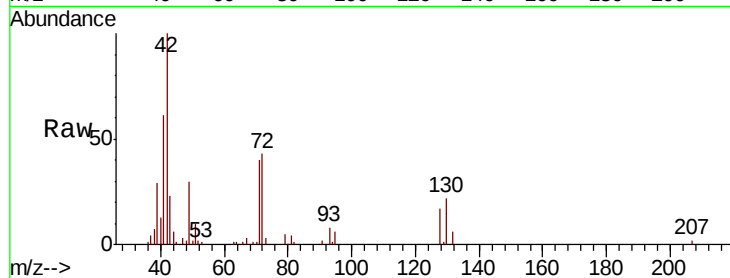




#41
Methacrylonitrile
Concen: 64.816 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

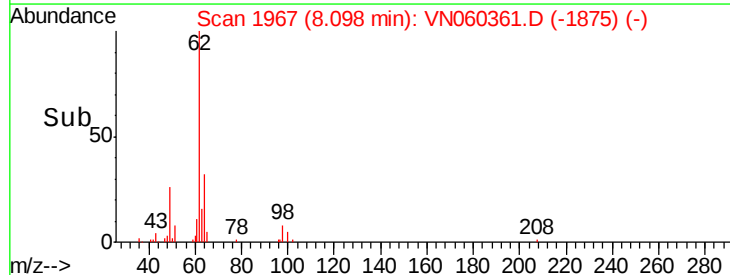
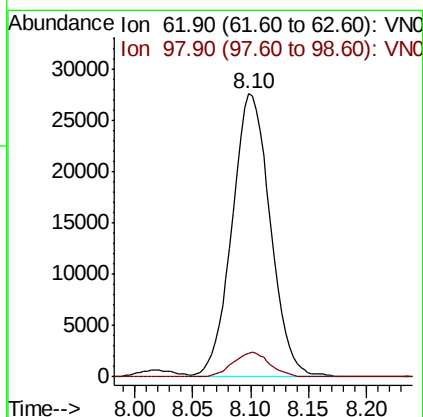
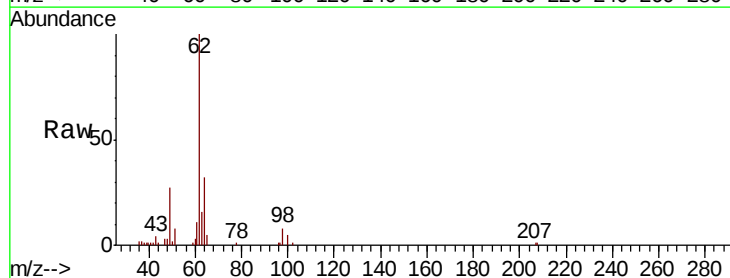
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

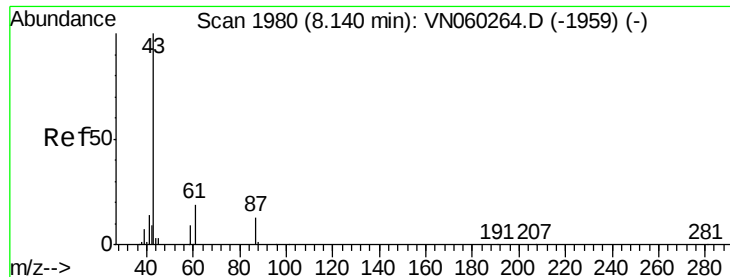
Tot Ion:	41	Resp:	84234
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.297 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion:	62	Resp:	63367
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 20.673 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

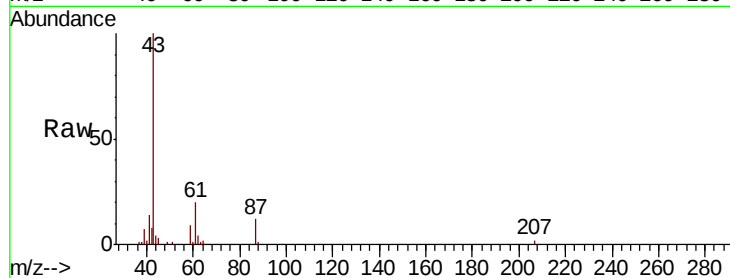
Tot Ion: 43 Resp: 101862

Ion Ratio Lower Upper

43 100

61 26.1 20.9 31.3

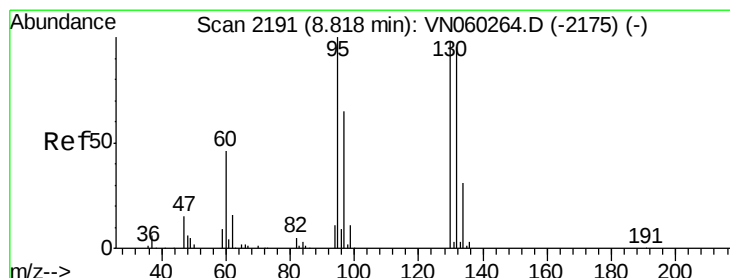
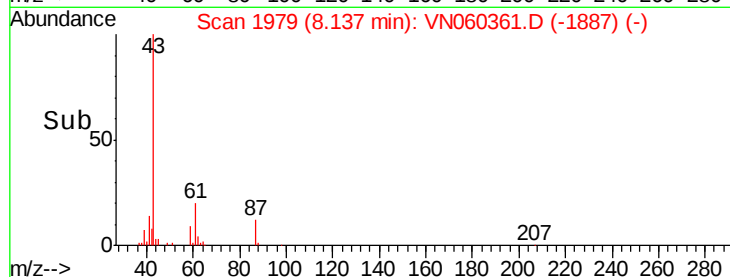
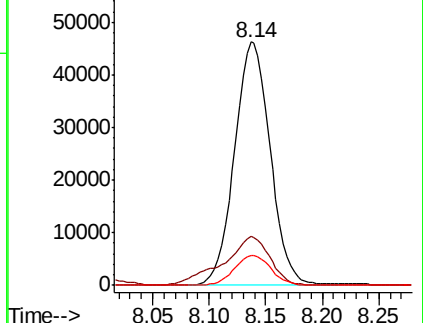
87 12.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#44

Trichloroethene

Concen: 18.789 ug/l

RT: 8.82 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060361.D

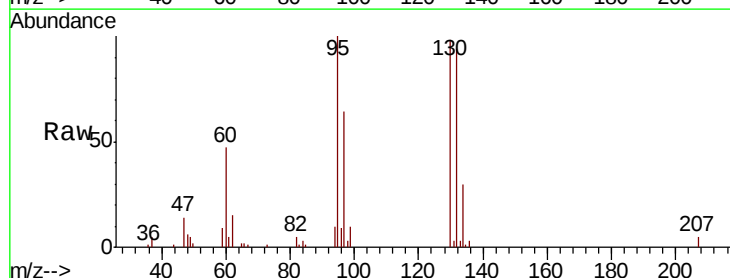
Acq: 5 Mar 2020 12:59

Tgt Ion: 130 Resp: 45274

Ion Ratio Lower Upper

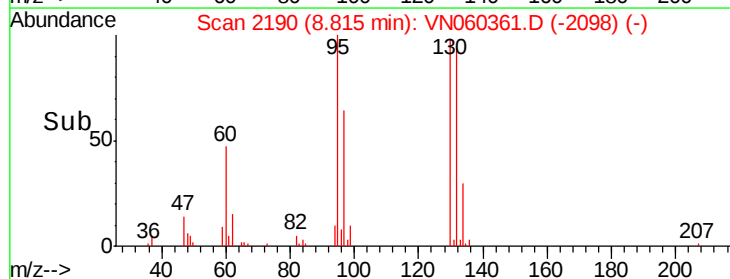
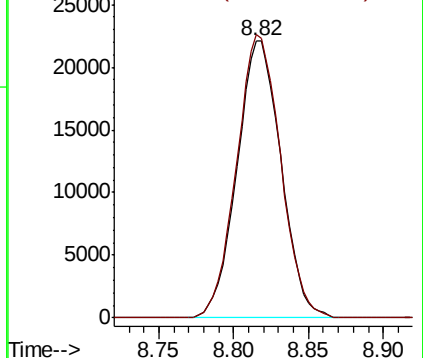
130 100

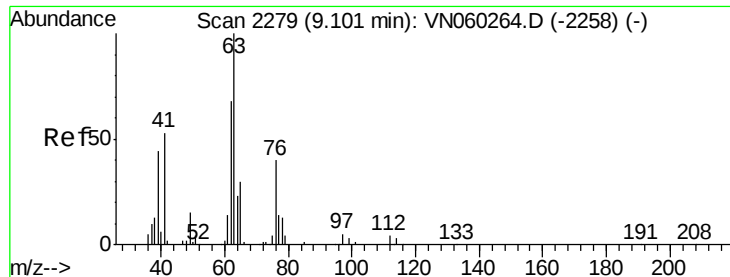
95 102.1 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 20.369 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

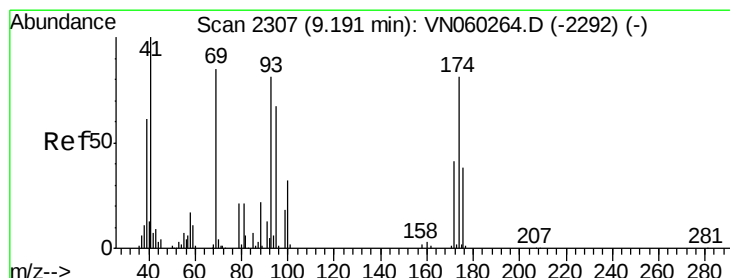
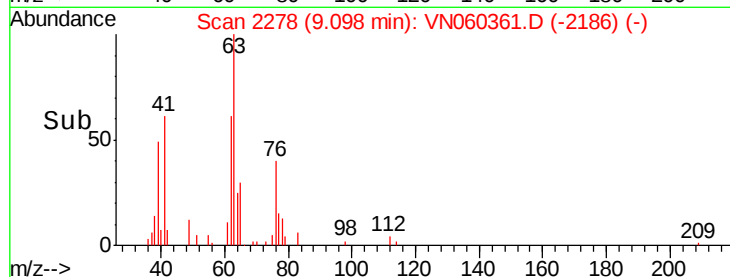
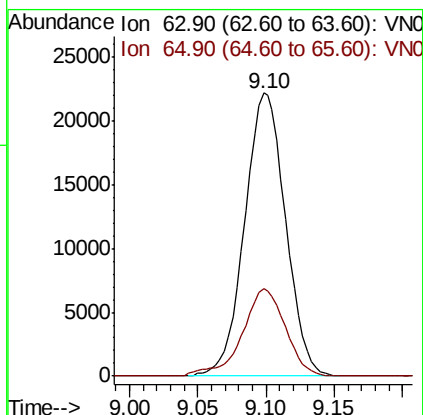
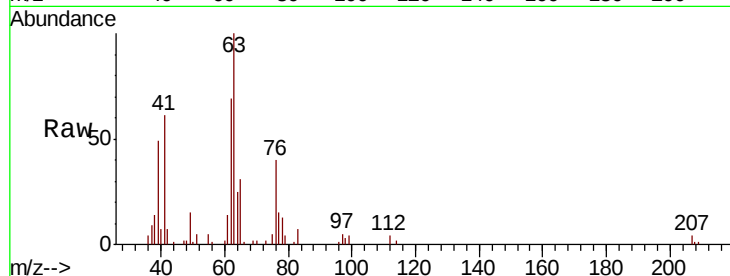
VN0305MBS01

Tot Ion: 63 Resp: 46074

Ion Ratio Lower Upper

63 100

65 30.9 24.4 36.6



#46

Dibromomethane

Concen: 19.593 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

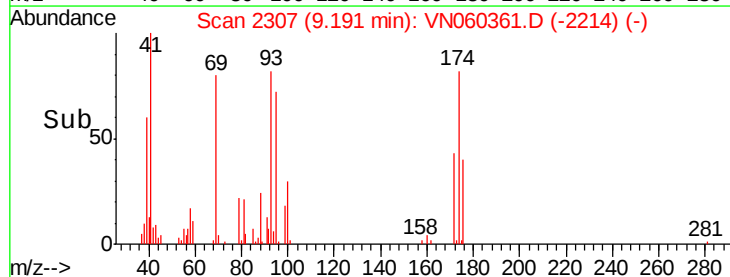
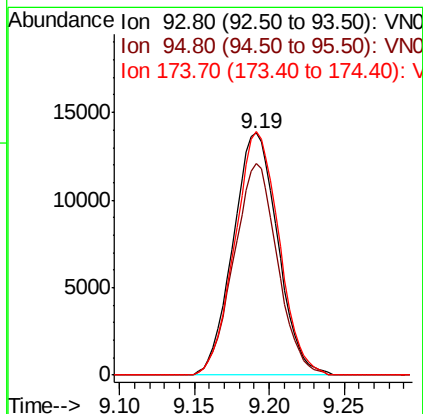
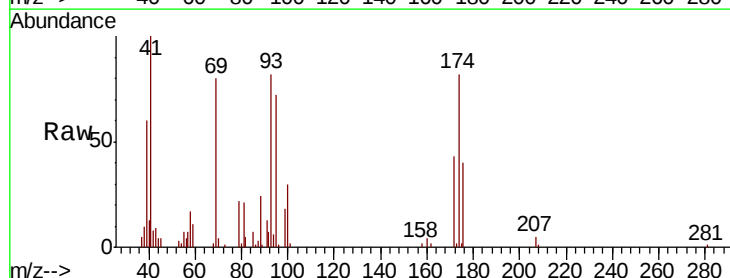
Tgt Ion: 93 Resp: 28758

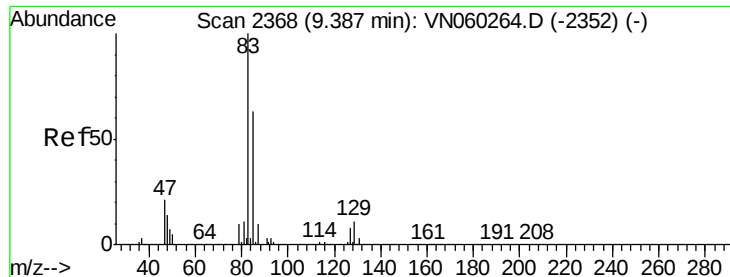
Ion Ratio Lower Upper

93 100

95 85.1 65.9 98.9

174 99.3 79.6 119.4





#47

Bromodichloromethane

Concen: 20.191 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

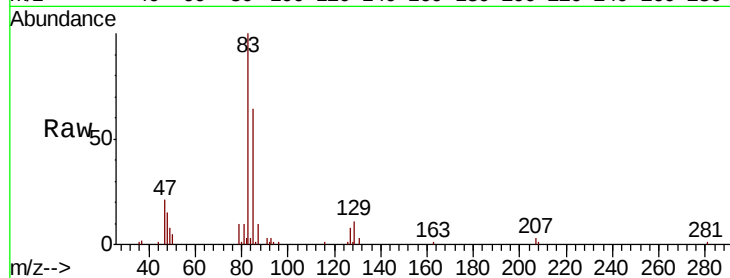
Tot Ion: 83 Resp: 60272

Ion Ratio Lower Upper

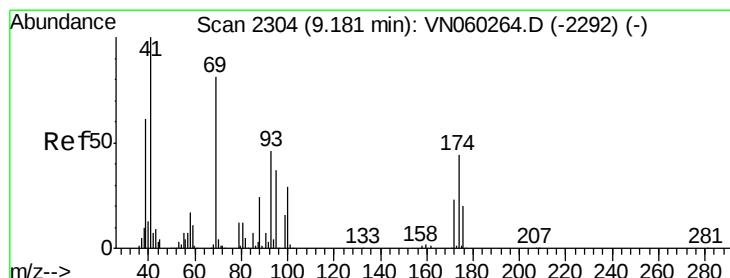
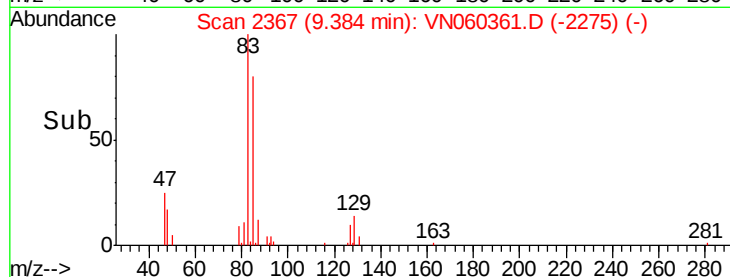
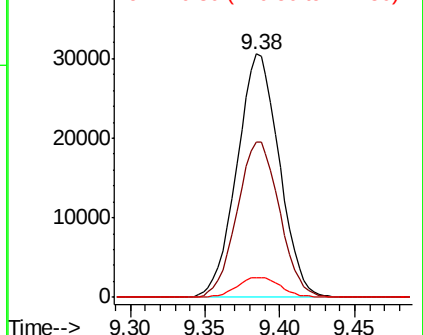
83 100

85 63.9 50.7 76.1

127 8.3 6.8 10.2



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



#48

Methyl methacrylate

Concen: 19.676 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

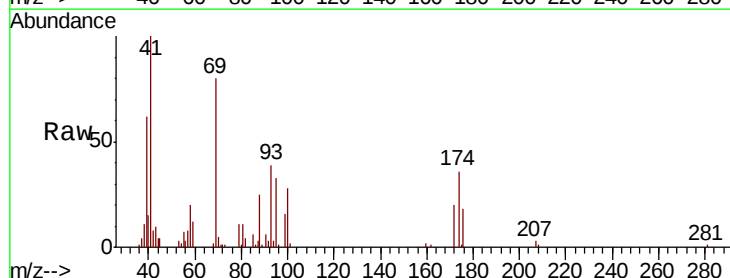
Tgt Ion: 41 Resp: 44211

Ion Ratio Lower Upper

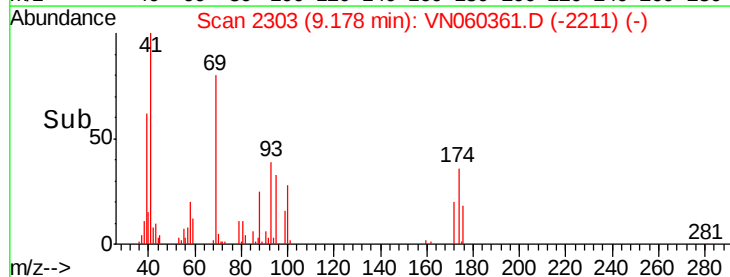
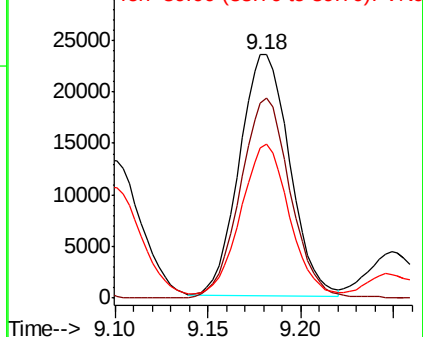
41 100

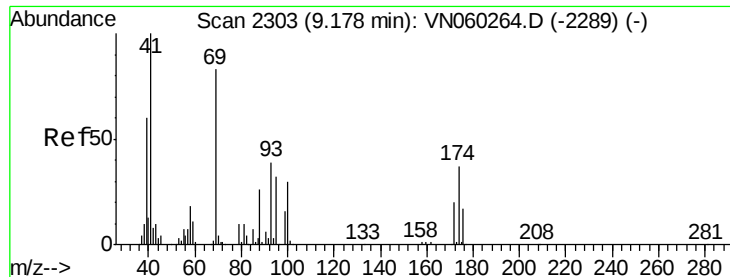
69 82.8 66.7 100.1

39 63.4 50.1 75.1



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

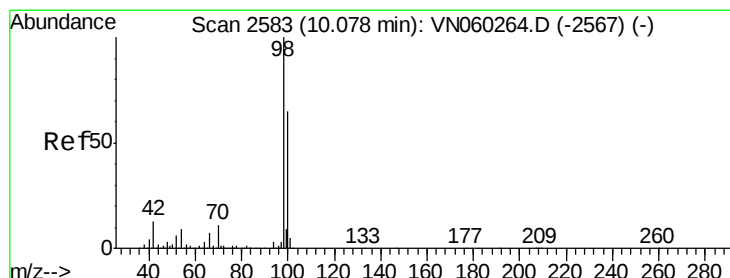
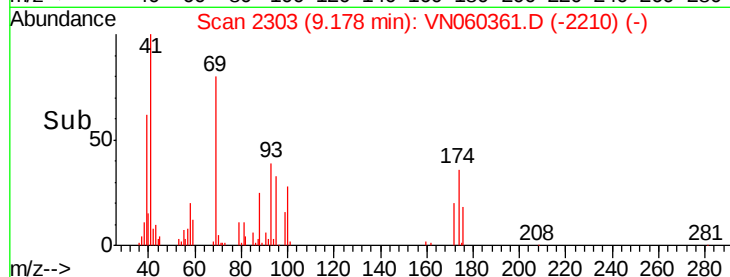
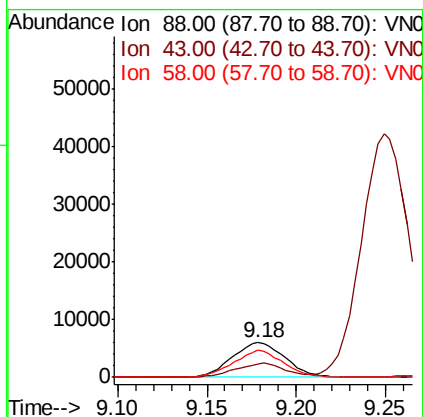
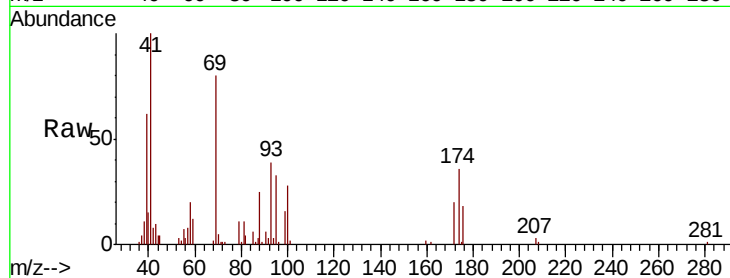




#49
1,4-Dioxane
Concen: 395.116 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

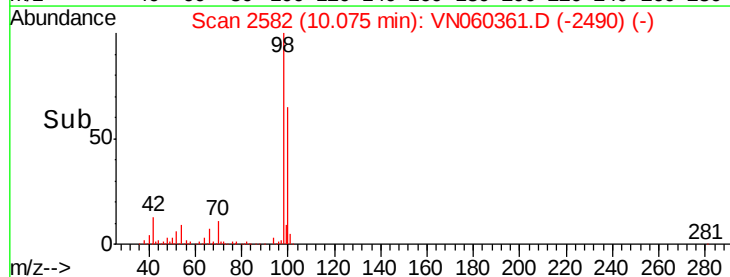
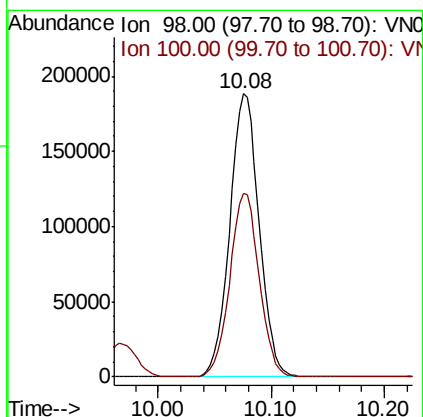
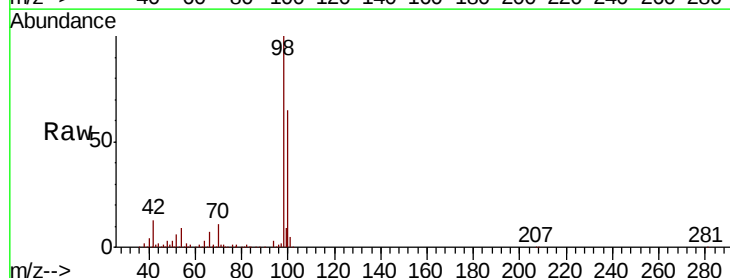
Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion: 88 Resp: 12485
Ion Ratio Lower Upper
88 100
43 37.8 30.4 45.6
58 73.0 57.0 85.6



#50
Toluene-d8
Concen: 46.311 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 98 Resp: 339325
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 104.624 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

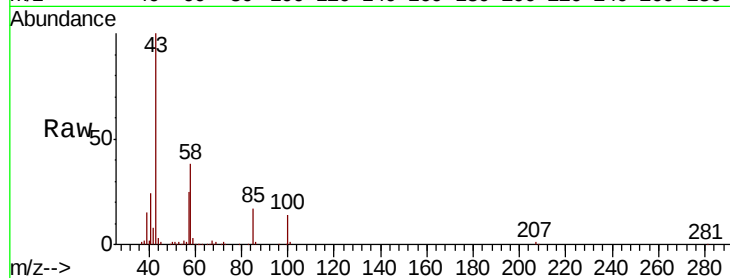
VN0305MBS01

Tot Ion: 43 Resp: 292293

Ion Ratio Lower Upper

43 100

58 38.2 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

150000

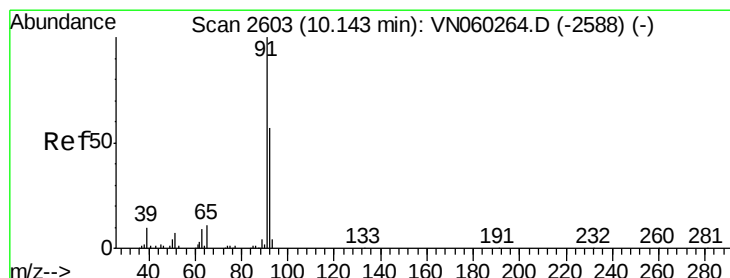
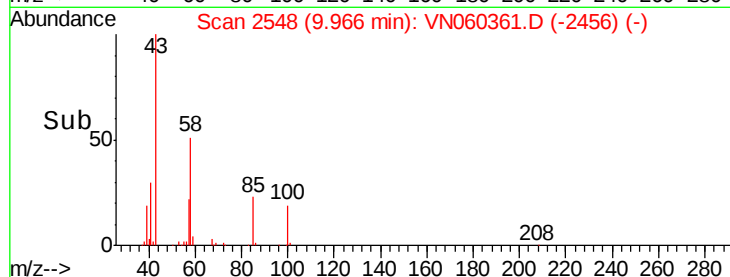
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 18.911 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060361.D

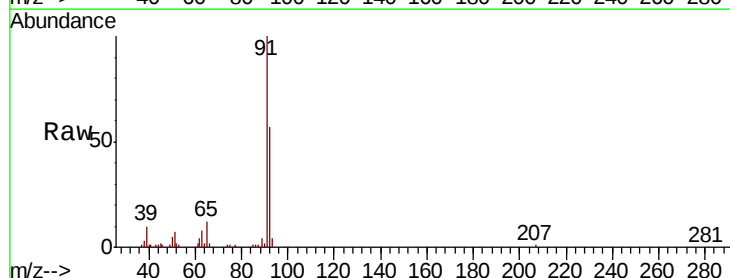
Acq: 5 Mar 2020 12:59

Tgt Ion: 92 Resp: 102776

Ion Ratio Lower Upper

92 100

91 174.8 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

100000

80000

60000

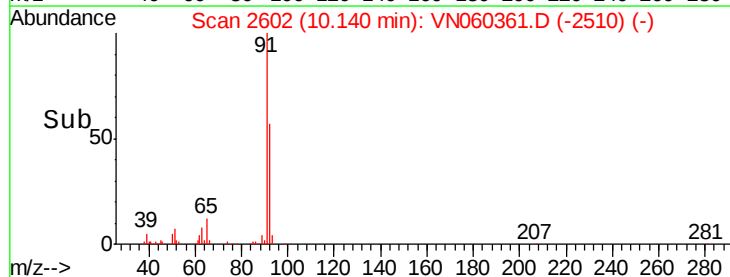
40000

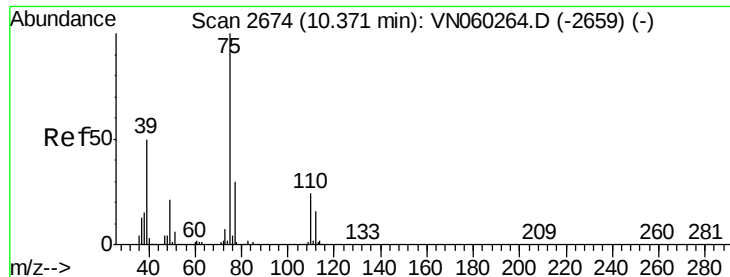
20000

0

10.05 10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.282 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

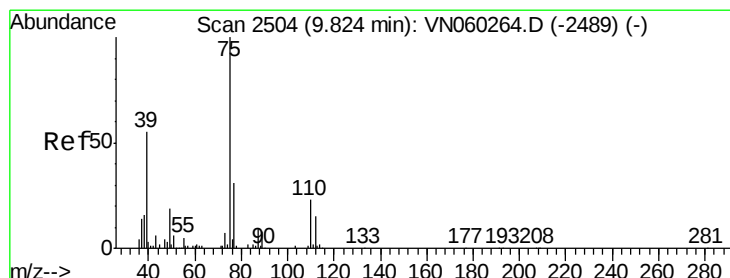
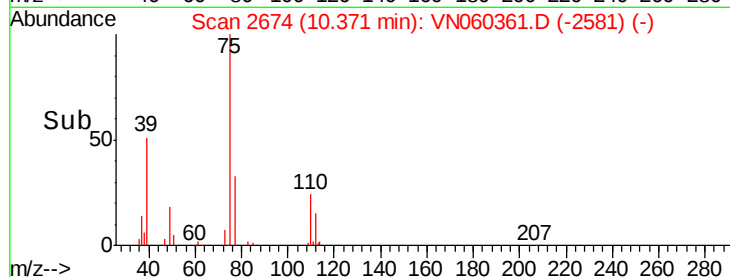
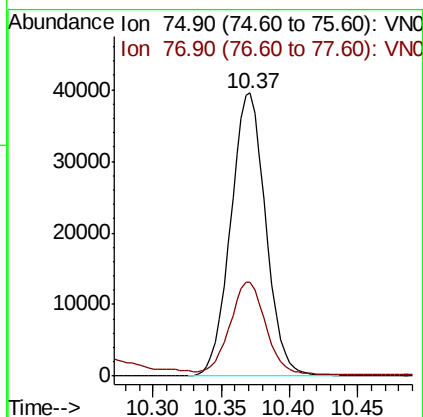
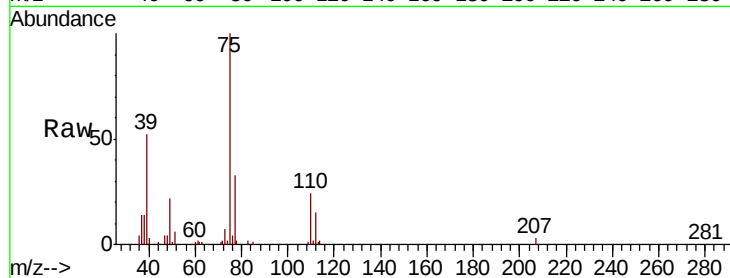
VN0305MBS01

Tot Ion: 75 Resp: 70529

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.796 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

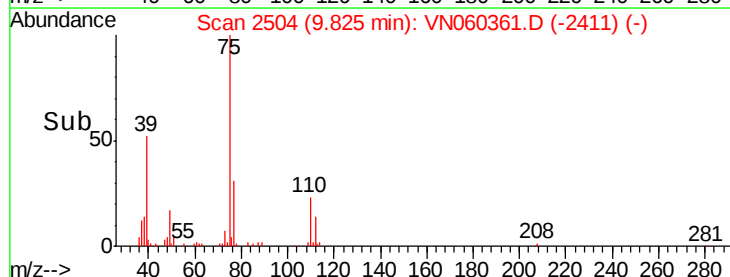
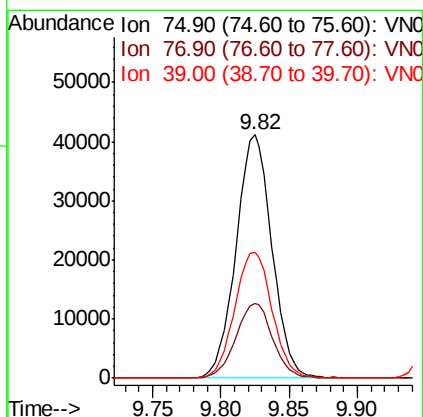
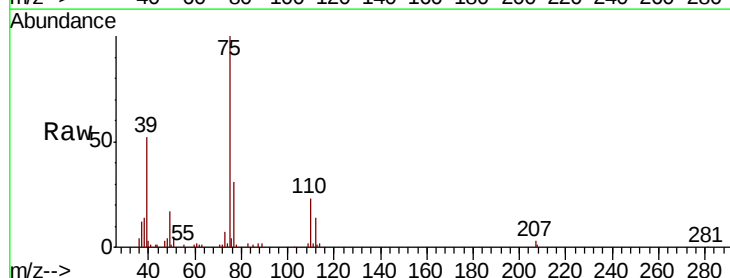
Tgt Ion: 75 Resp: 75031

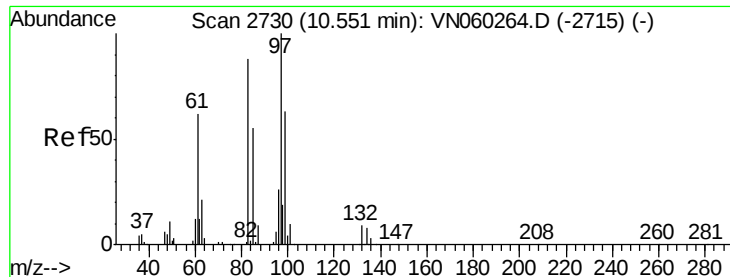
Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 51.7 43.8 65.8

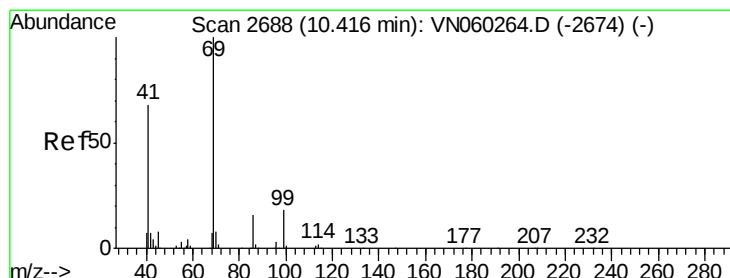
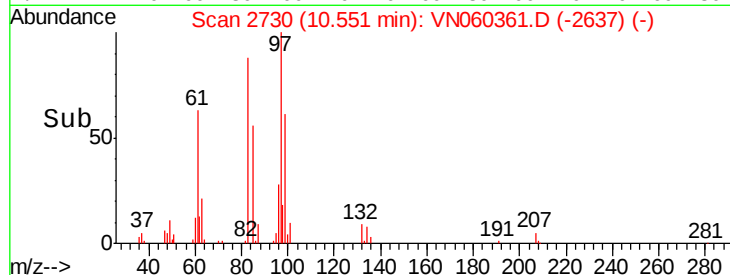
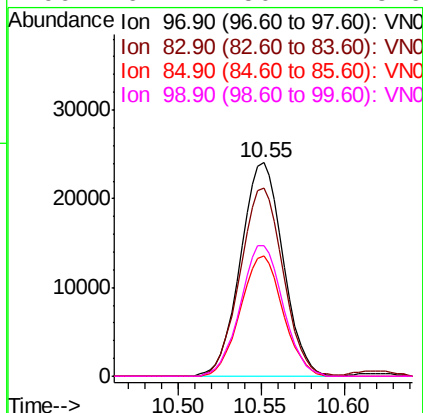
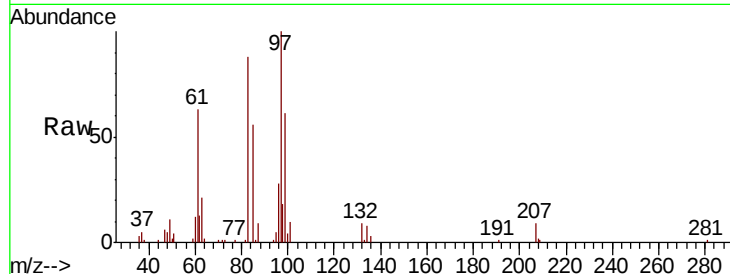




#55
 1,1,2-Trichloroethane
 Concen: 19.696 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

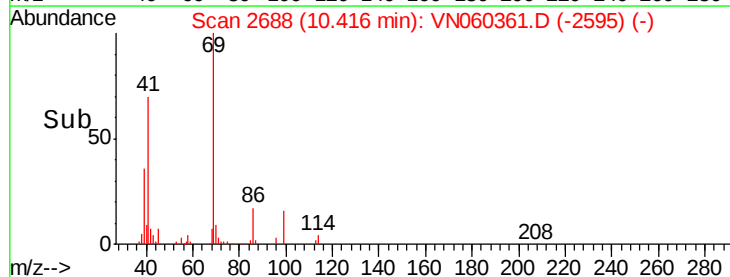
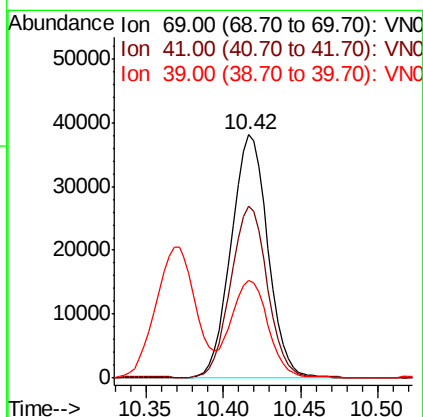
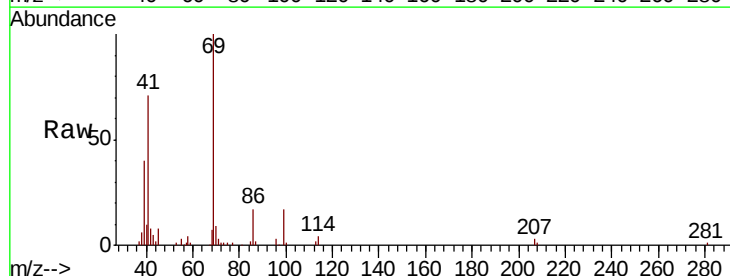
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

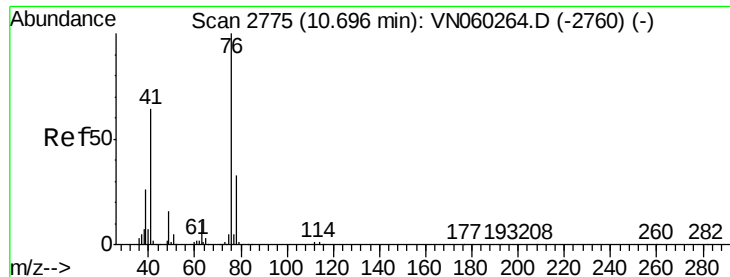
Tot Ion:	97	Resp:	43046
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.0	105.0
85	56.1	44.0	66.0
99	61.1	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 19.991 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion:	69	Resp:	62767
Ion	Ratio	Lower	Upper
69	100		
41	71.0	54.1	81.1
39	41.3	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.472 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

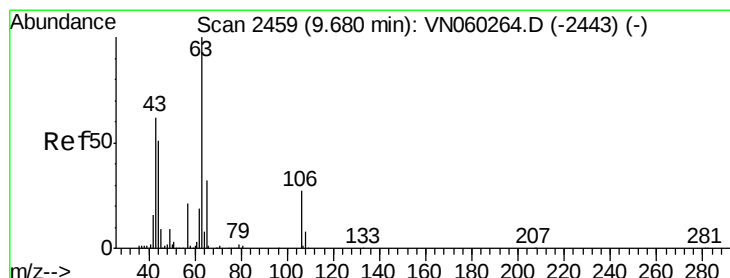
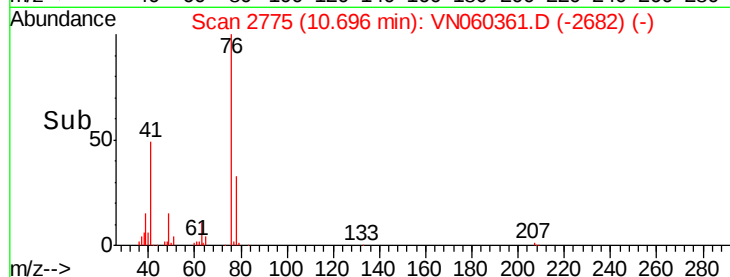
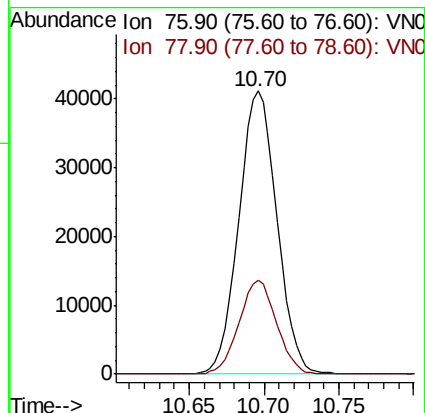
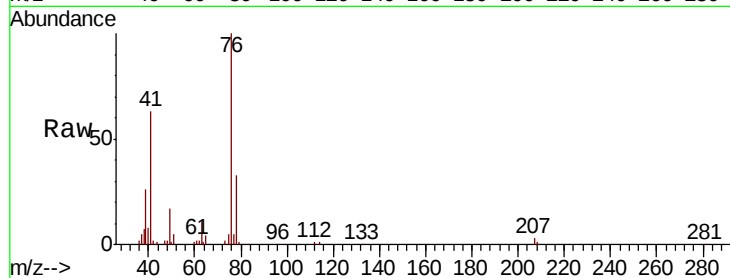
VN0305MBS01

Tot Ion: 76 Resp: 72966

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 93.451 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060361.D

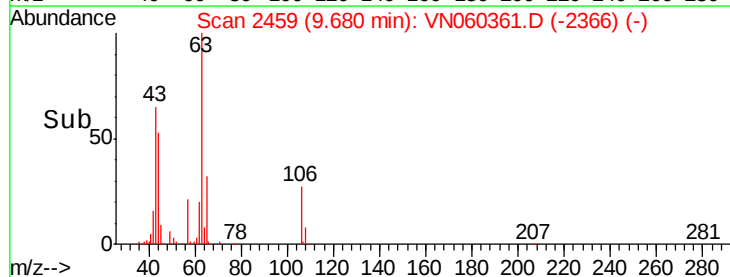
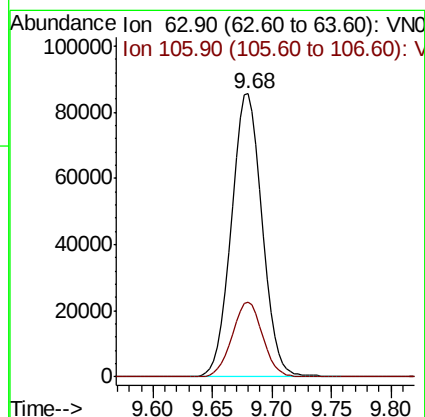
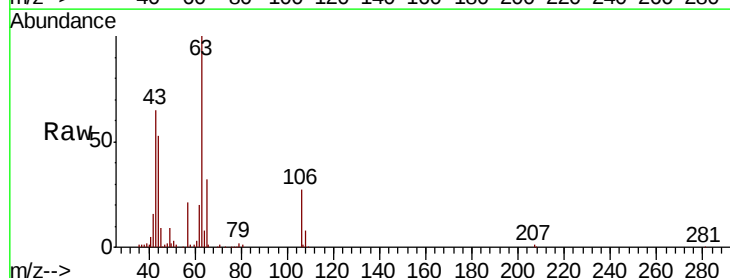
Acq: 5 Mar 2020 12:59

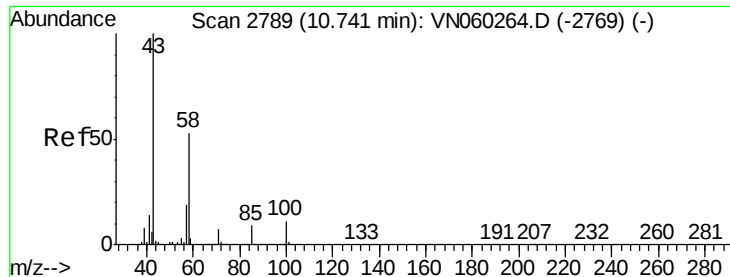
Tgt Ion: 63 Resp: 153460

Ion Ratio Lower Upper

63 100

106 26.2 21.1 31.7

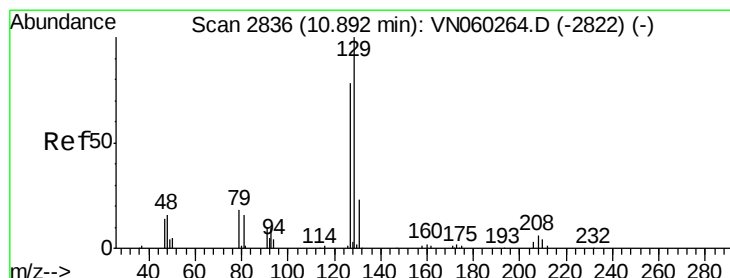
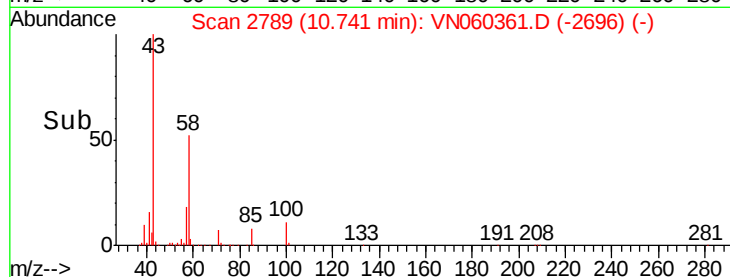
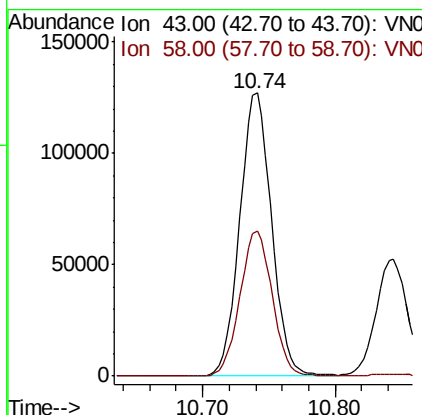
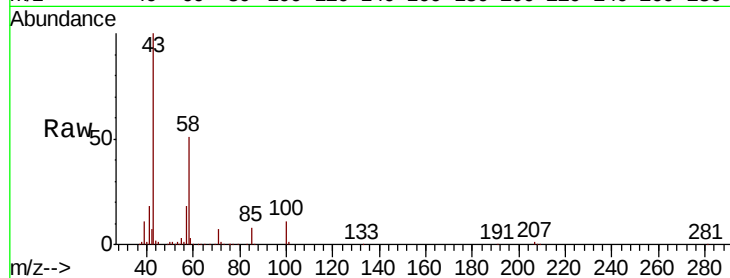




#59
2-Hexanone
Concen: 103.514 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

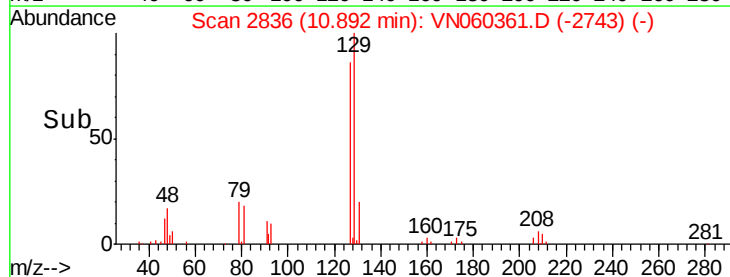
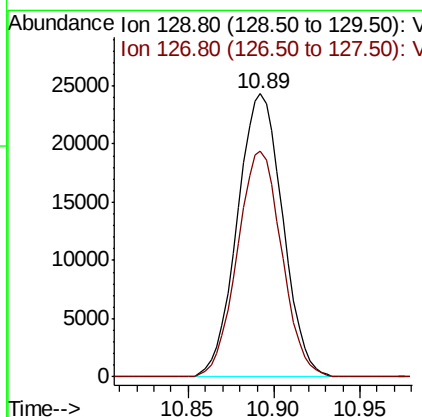
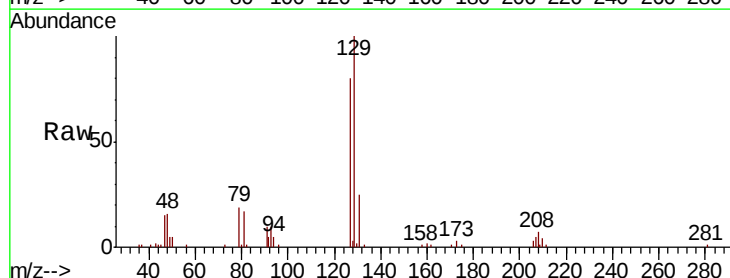
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion: 43 Resp: 212332
Ion Ratio Lower Upper
43 100
58 51.9 26.5 79.5



#60
Dibromochloromethane
Concen: 20.033 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 129 Resp: 44524
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.833 ug/l

RT: 11.00 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampled :

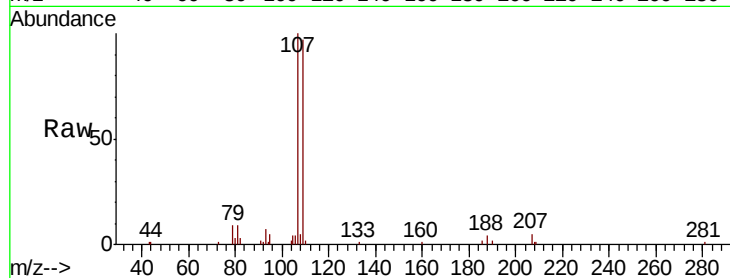
VN0305MBS01

Tot Ion:107 Resp: 42253

Ion Ratio Lower Upper

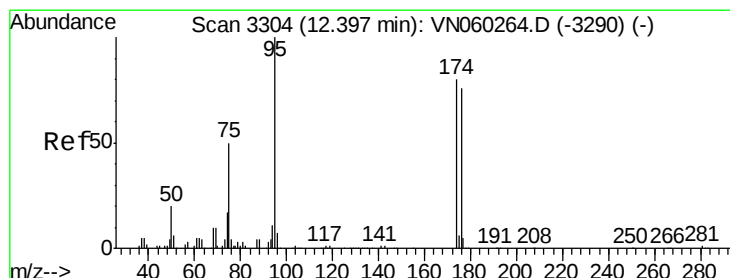
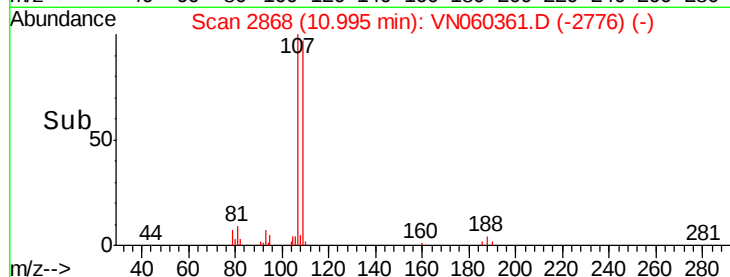
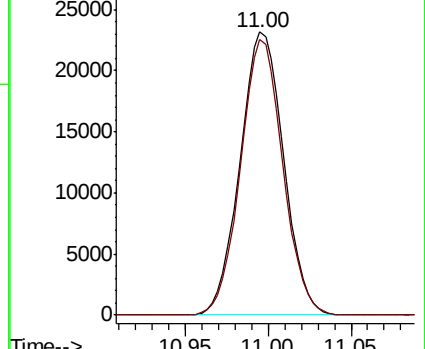
107 100

109 94.5 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.914 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

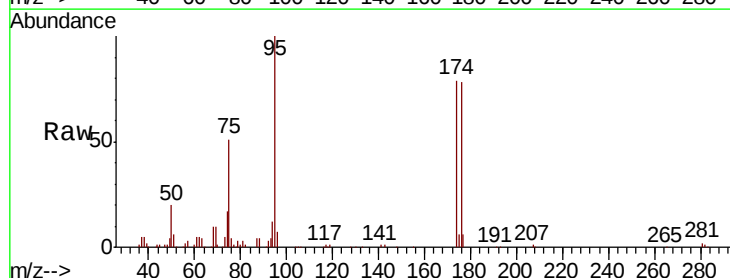
Tgt Ion: 95 Resp: 127526

Ion Ratio Lower Upper

95 100

174 80.3 0.0 159.2

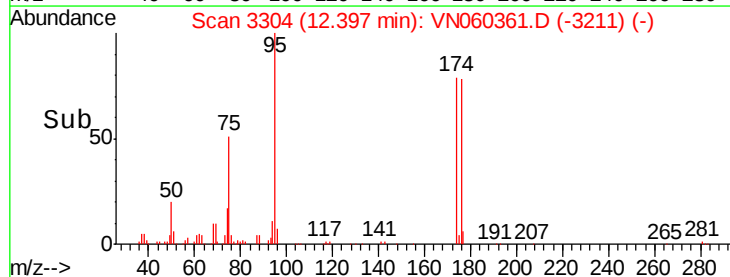
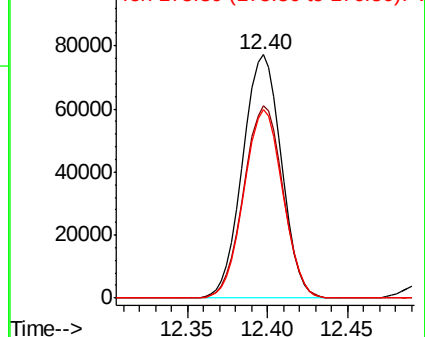
176 78.2 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

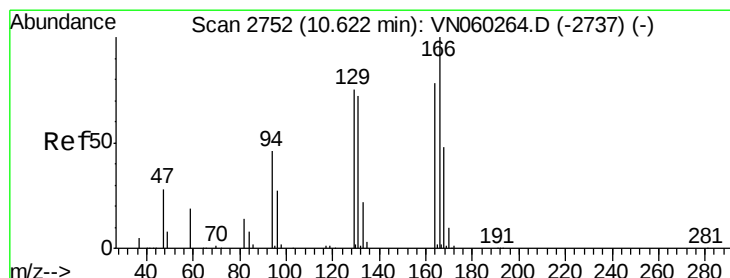
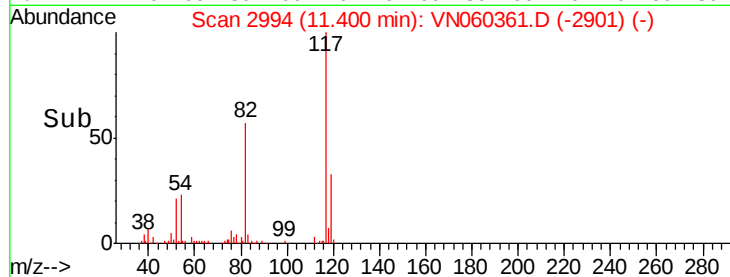
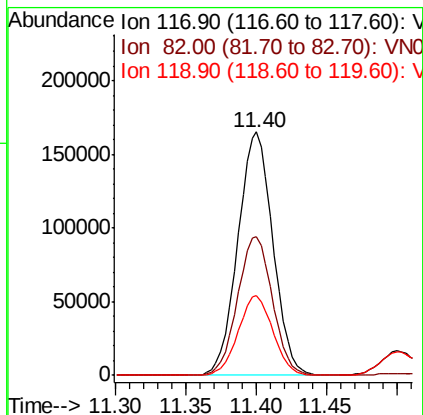
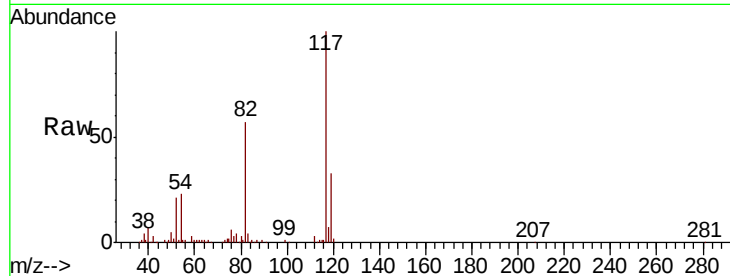




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

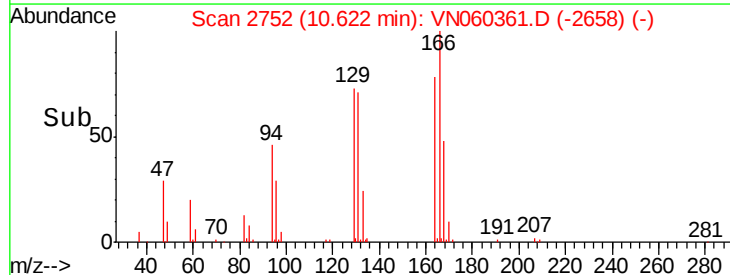
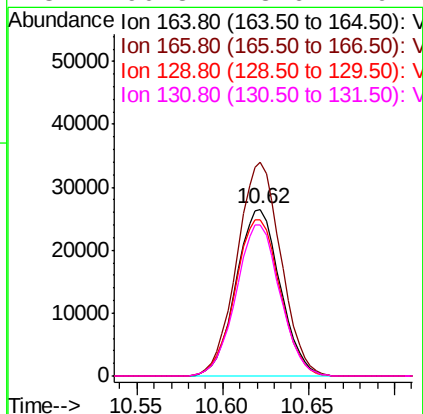
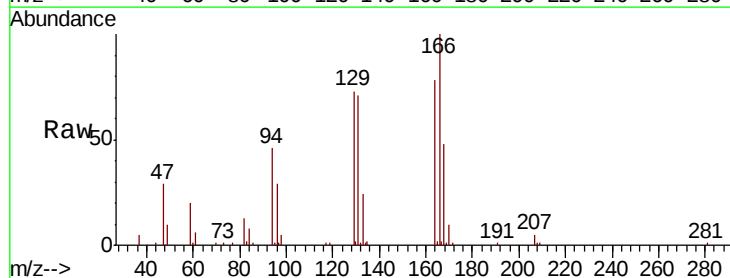
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.8	68.6
119	32.5	25.8	38.8



#64
Tetrachloroethene
Concen: 20.021 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.0	153.0
129	93.5	76.4	114.6
131	90.8	73.6	110.4

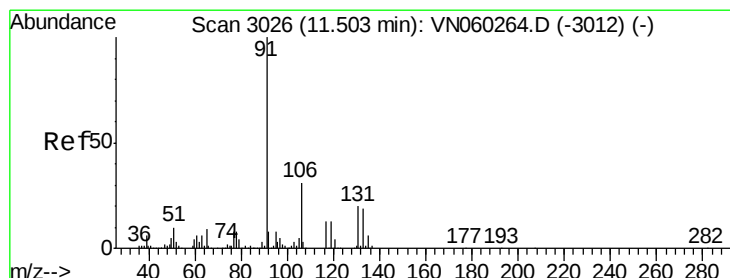
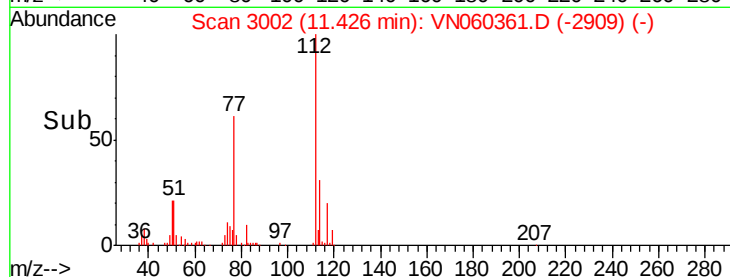
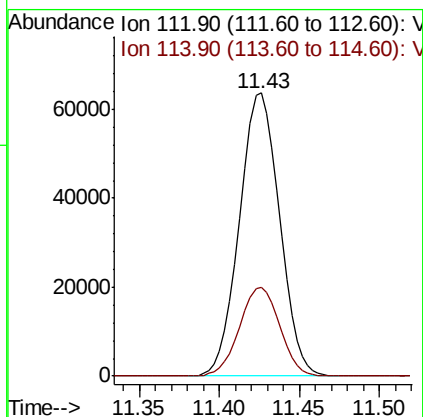
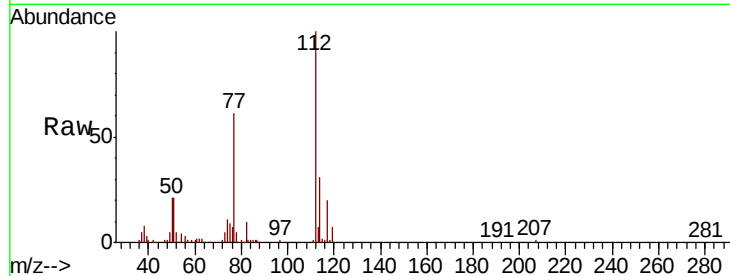




#65
Chlorobenzene
Concen: 18.802 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

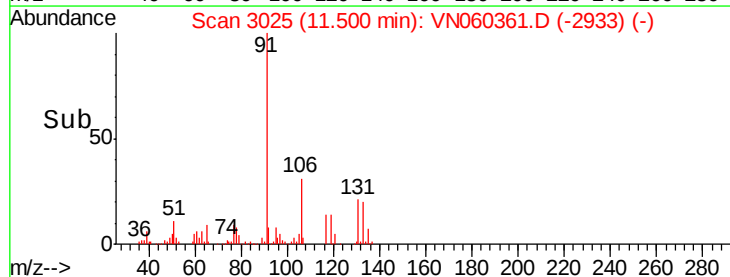
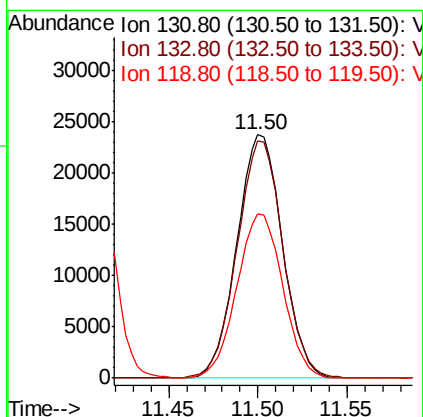
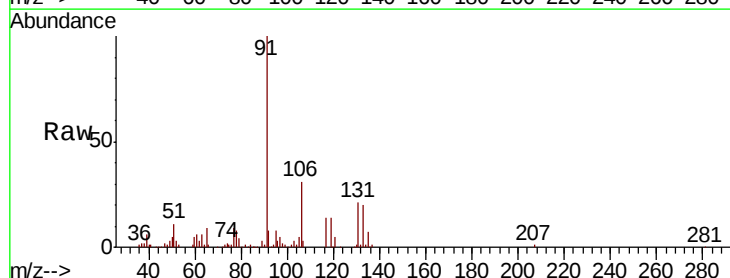
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion:112 Resp: 109027
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.662 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion:131 Resp: 42158
Ion Ratio Lower Upper
131 100
133 98.2 47.7 143.1
119 68.2 33.2 99.6





#67

Ethyl Benzene

Concen: 19.139 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

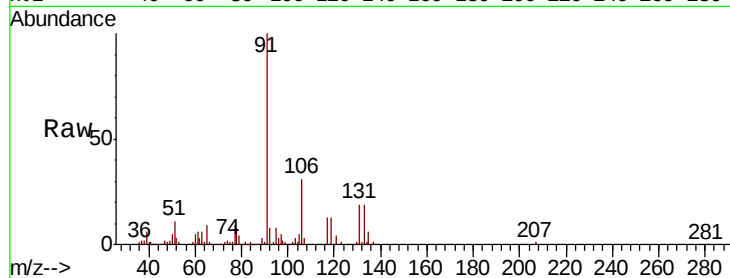
VN0305MBS01

Tot Ion: 91 Resp: 202110

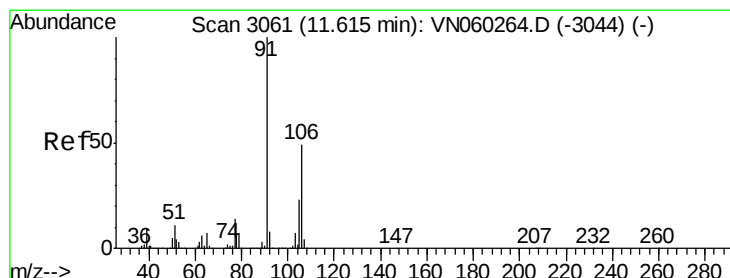
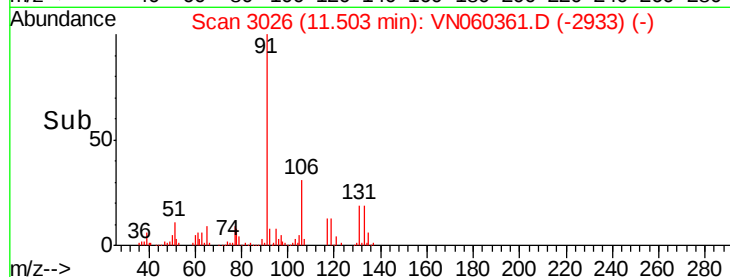
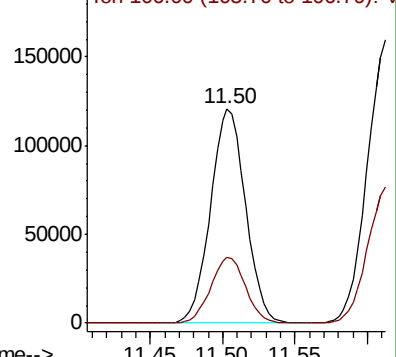
Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060361.D (-2933) (-)



#68

m/p-Xylenes

Concen: 37.158 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060361.D

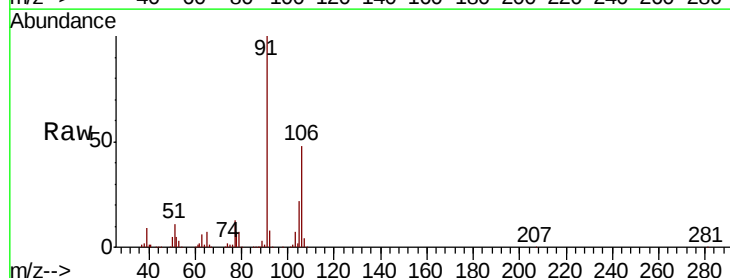
Acq: 5 Mar 2020 12:59

Tgt Ion: 106 Resp: 148048

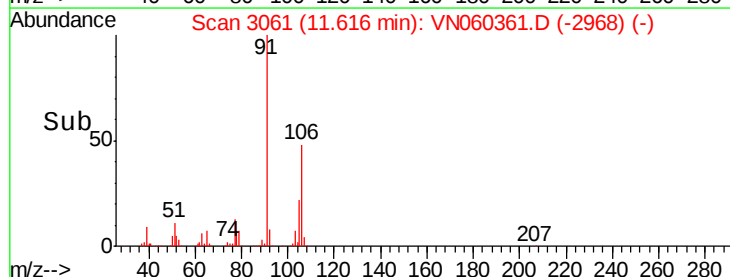
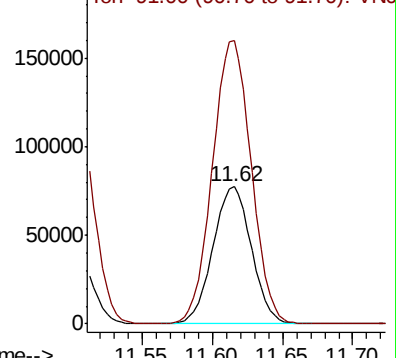
Ion Ratio Lower Upper

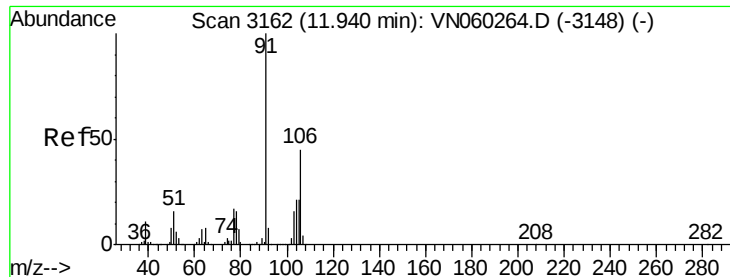
106 100

91 208.1 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060361.D (-2968) (-)

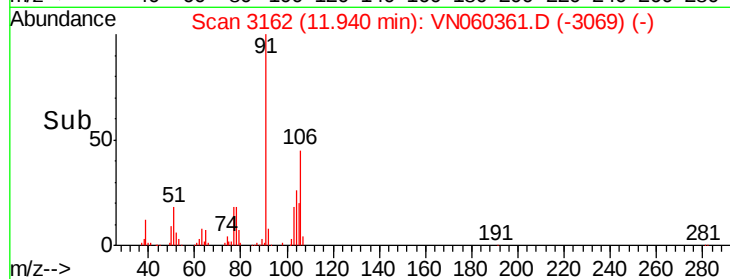
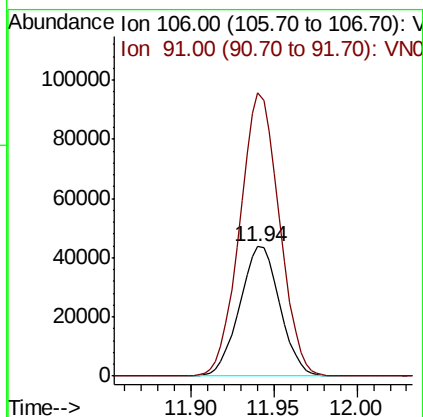
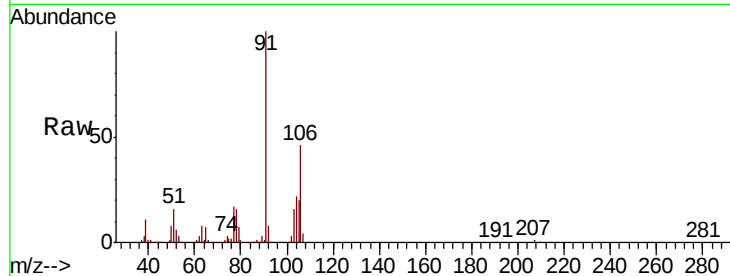




#69
o-Xylene
Concen: 19.406 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

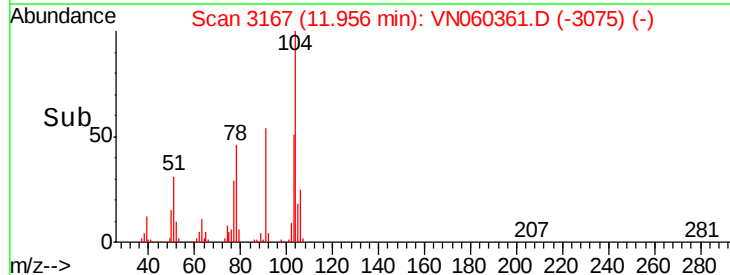
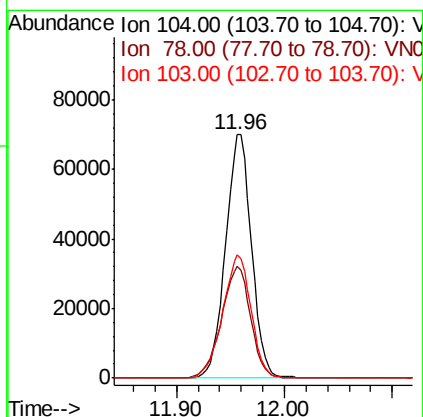
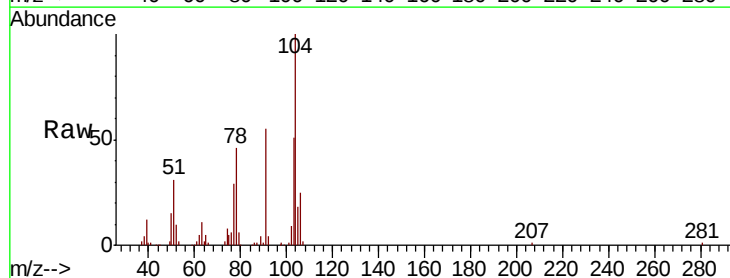
Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

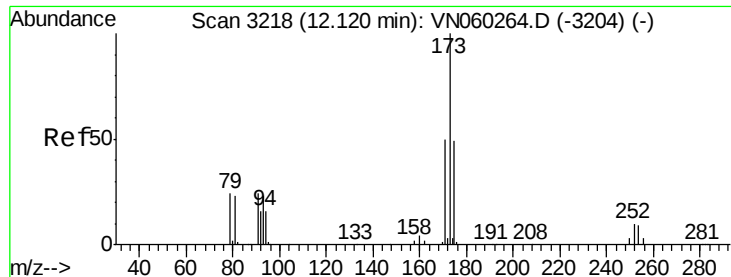
Tot Ion:106 Resp: 73731
Ion Ratio Lower Upper
106 100
91 215.2 109.5 328.4



#70
Styrene
Concen: 18.804 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion:104 Resp: 117458
Ion Ratio Lower Upper
104 100
78 51.0 41.2 61.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 20.204 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

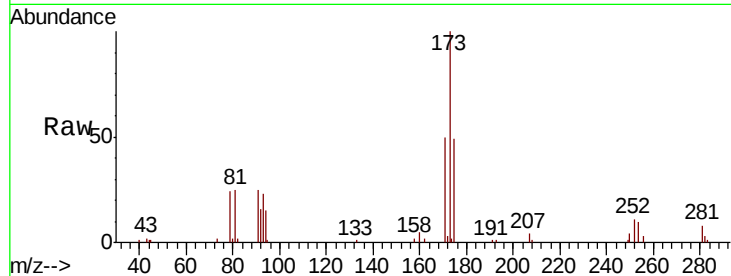
Tot Ion:173 Resp: 31221

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.2

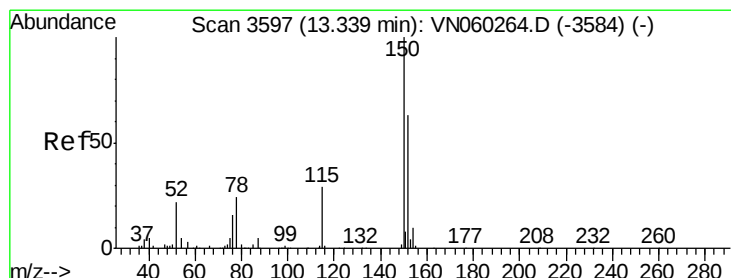
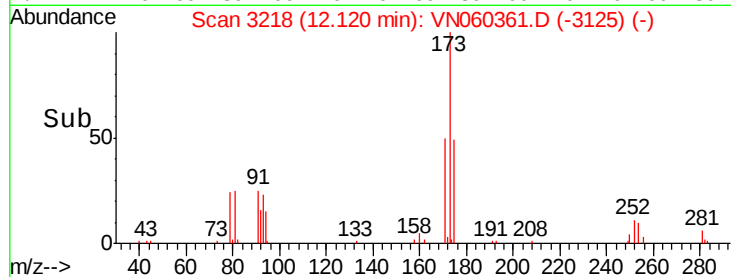
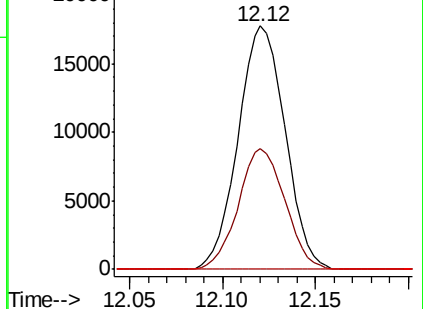
254 0.0 0.0 0.0



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: VN060361.D

Acq: 5 Mar 2020 12:59

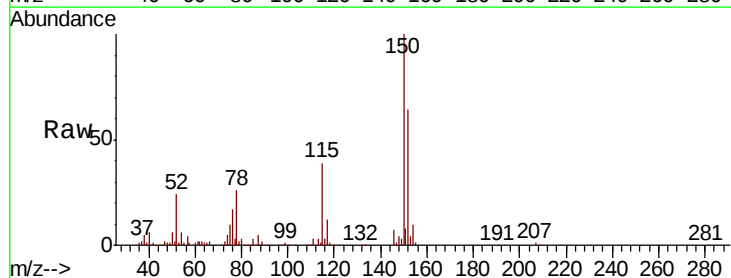
Tgt Ion:152 Resp: 138868

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

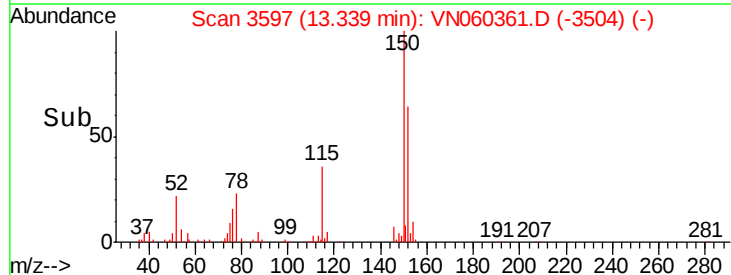
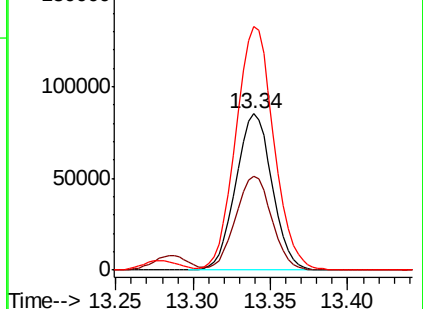
150 162.8 0.0 349.6

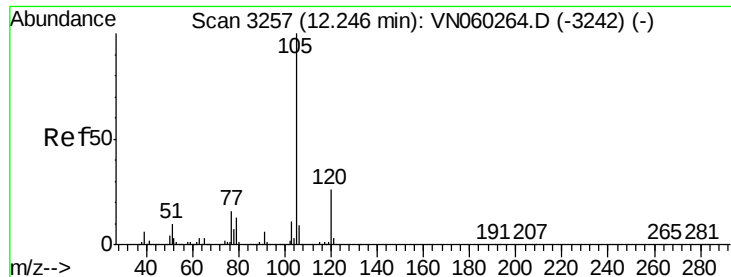


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.974 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

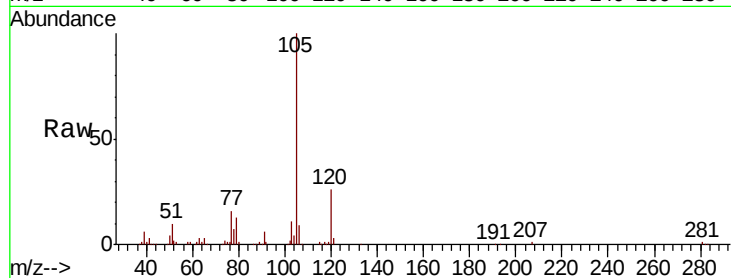
VN0305MBS01

Tot Ion:105 Resp: 195292

Ion Ratio Lower Upper

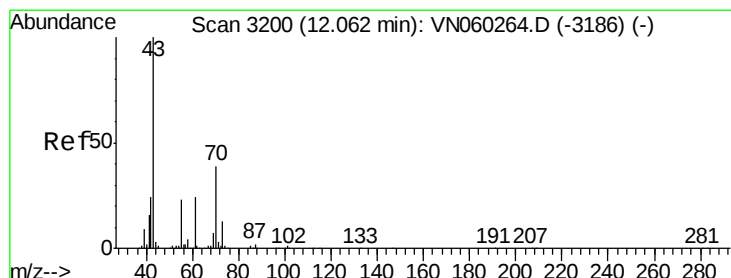
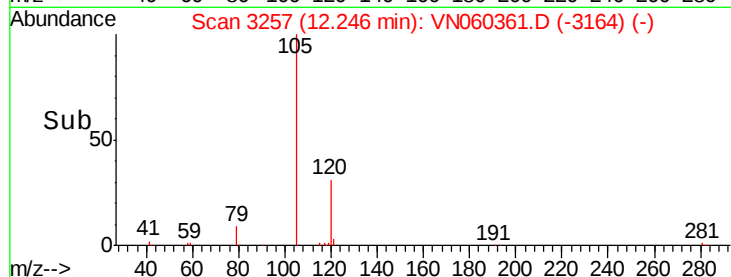
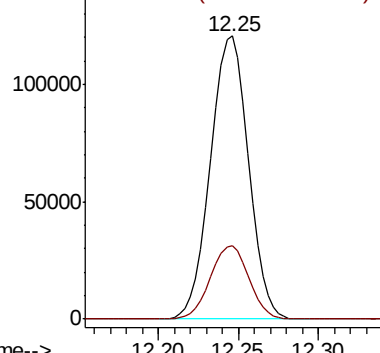
105 100

120 26.3 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.509 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion: 43 Resp: 87745

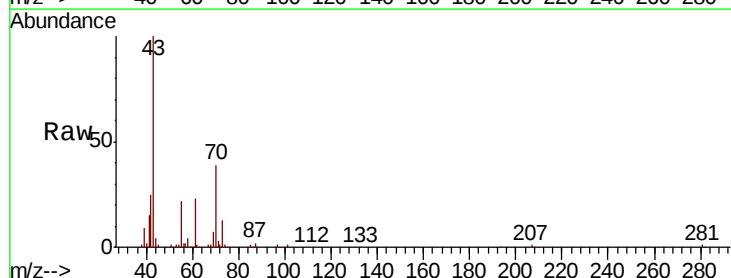
Ion Ratio Lower Upper

43 100

70 38.4 32.2 48.2

55 22.6 18.2 27.4

61 22.9 19.2 28.8

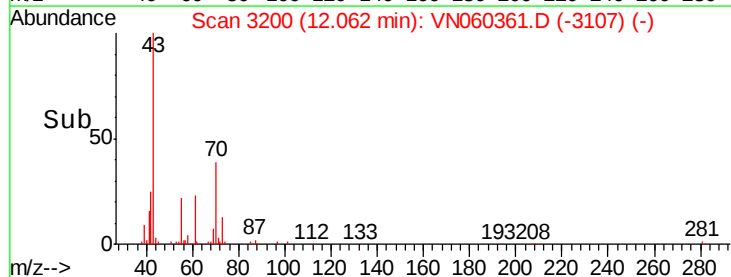
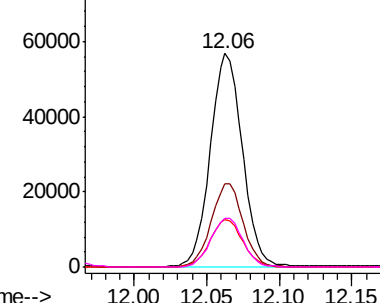


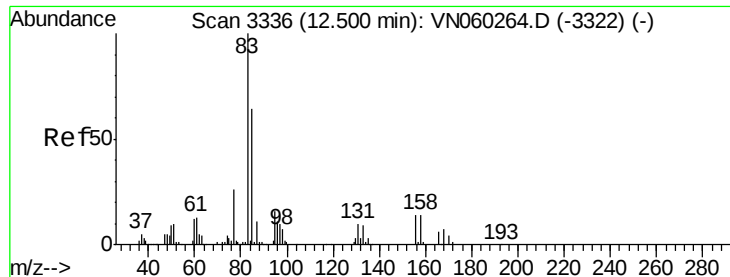
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.663 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

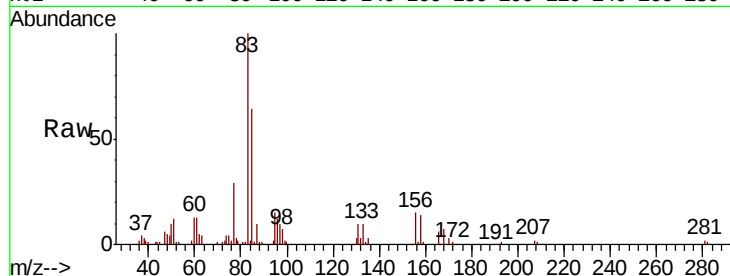
Tot Ion: 83 Resp: 57811

Ion Ratio Lower Upper

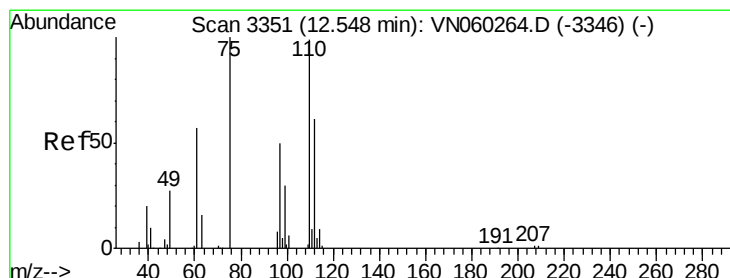
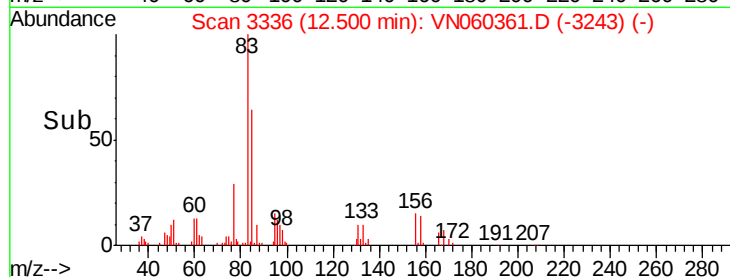
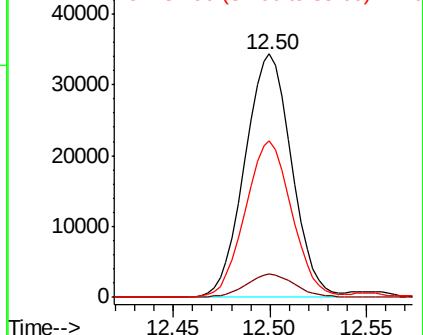
83 100

131 9.9 5.1 15.3

85 64.1 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 26.851 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060361.D

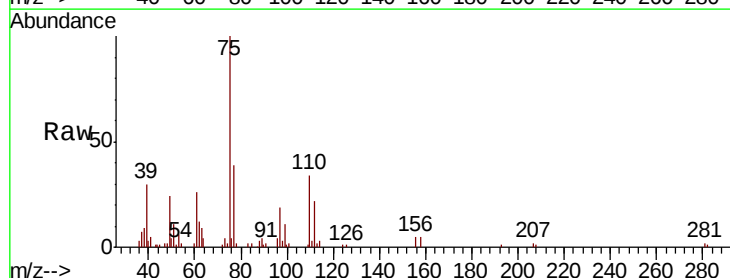
Acq: 5 Mar 2020 12:59

Tgt Ion: 75 Resp: 81808

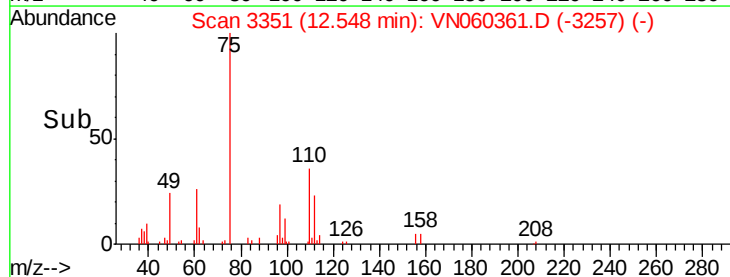
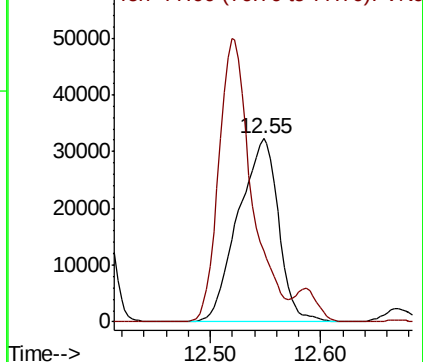
Ion Ratio Lower Upper

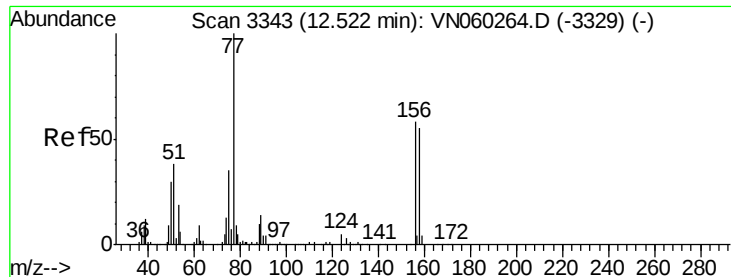
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.090 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

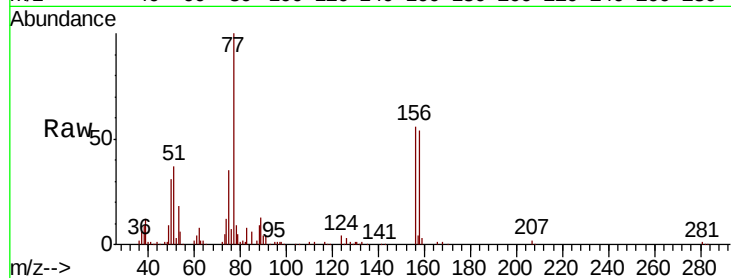
Tot Ion:156 Resp: 48164

Ion Ratio Lower Upper

156 100

77 215.1 106.1 318.3

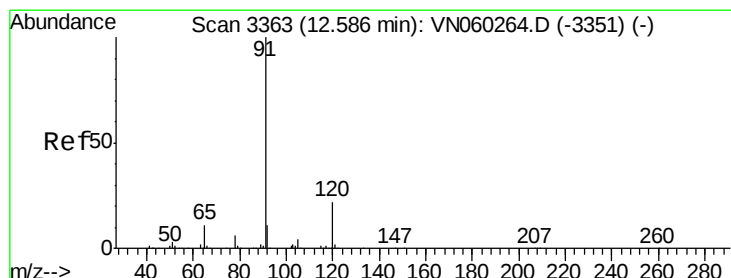
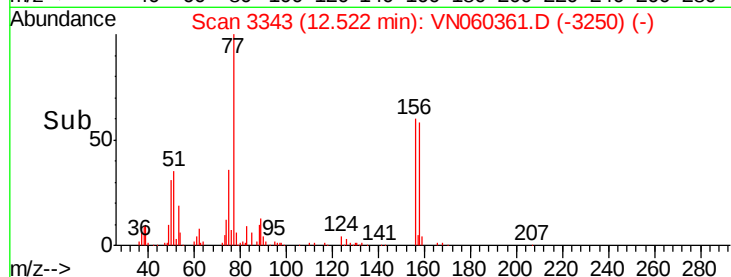
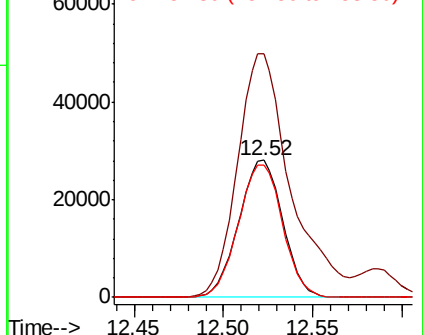
158 97.4 48.3 144.8



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: 18.799 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060361.D

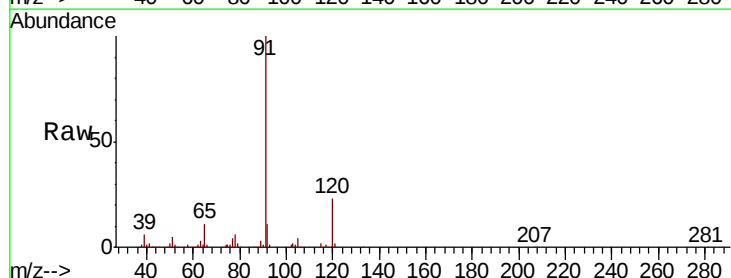
Acq: 5 Mar 2020 12:59

Tgt Ion: 91 Resp: 226806

Ion Ratio Lower Upper

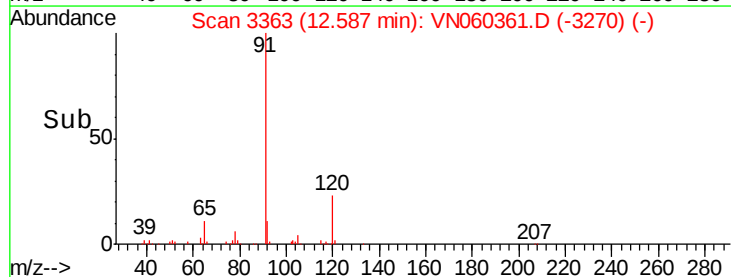
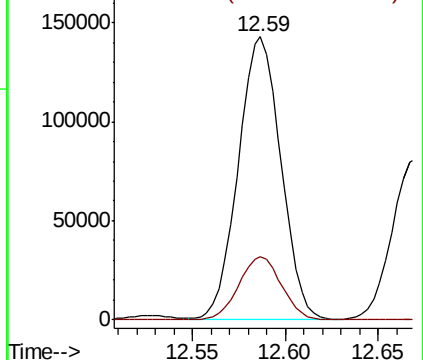
91 100

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

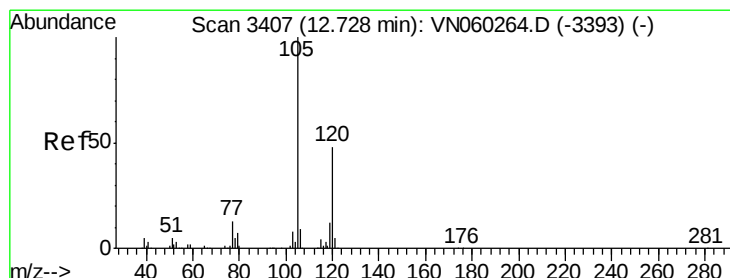
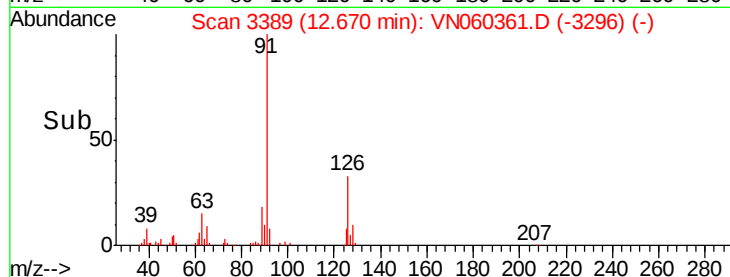
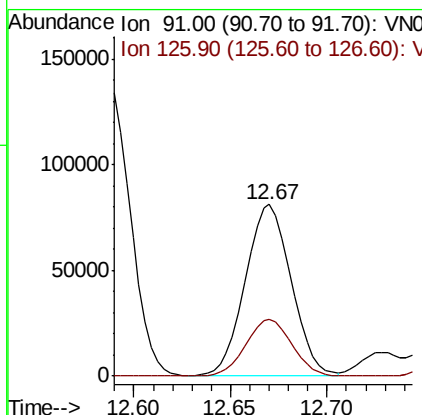
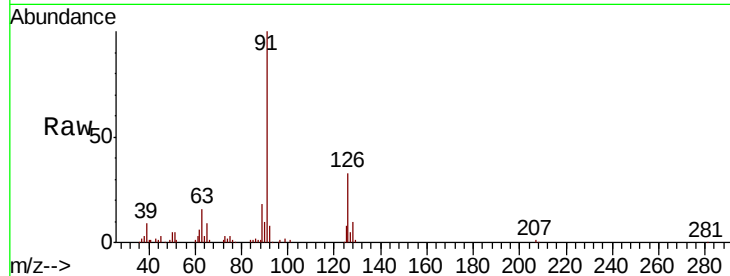




#79
 2-Chlorotoluene
 Concen: 18.854 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

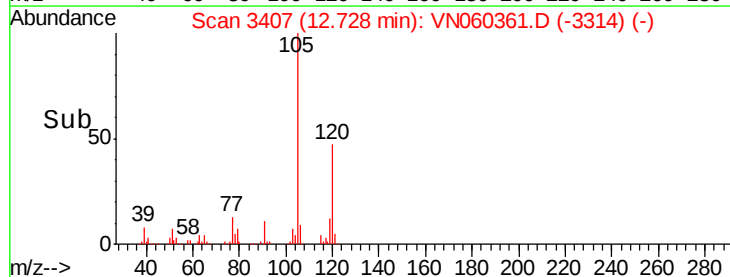
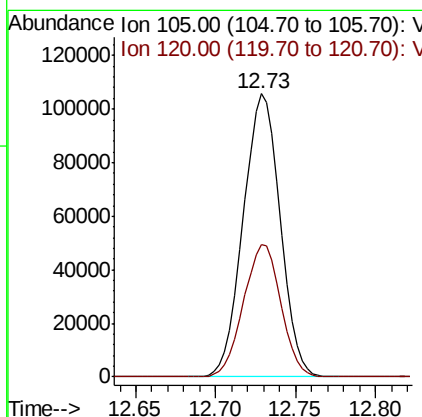
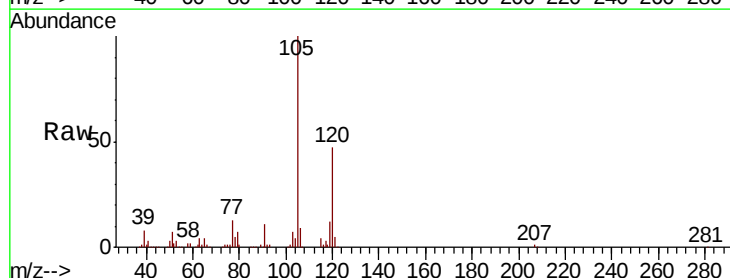
Instrument :
 MSVOA_N
 ClientSampled :
 VN0305MBS01

Tot Ion: 91 Resp: 133710
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.264 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion: 105 Resp: 166941
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.555 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

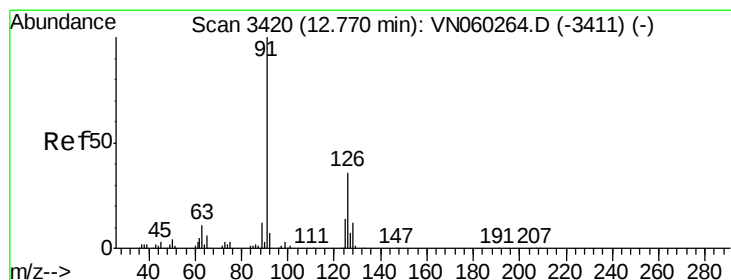
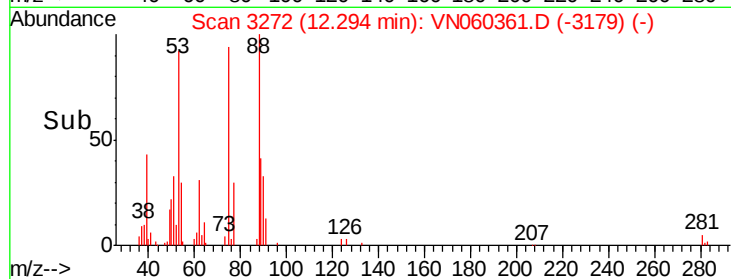
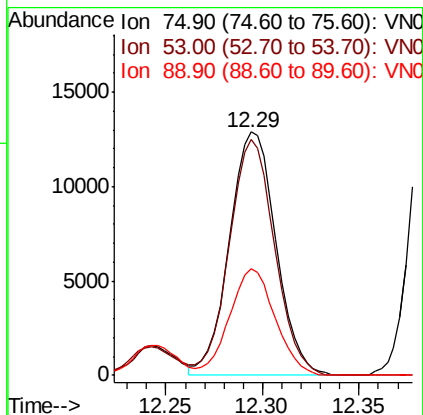
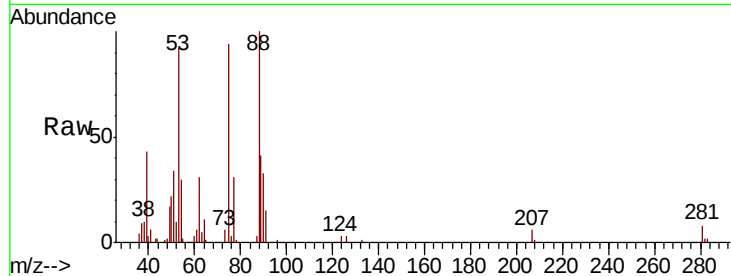
Tot Ion: 75 Resp: 21583

Ion Ratio Lower Upper

75 100

53 94.4 73.8 110.6

89 43.0 57.1 85.7#



#82

4-Chlorotoluene

Concen: 18.601 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060361.D

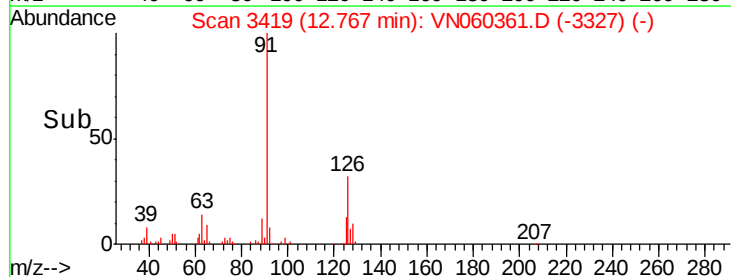
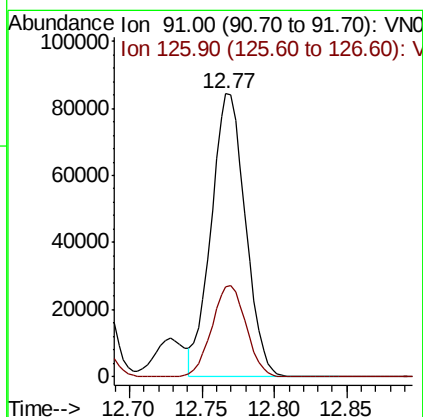
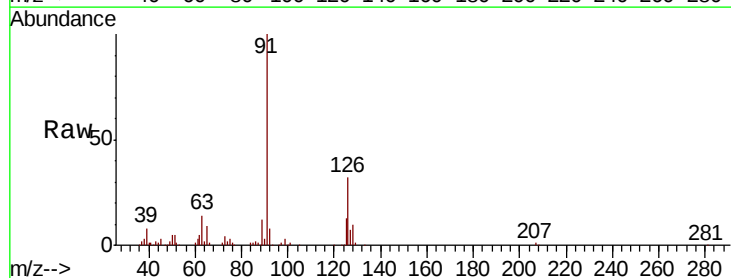
Acq: 5 Mar 2020 12:59

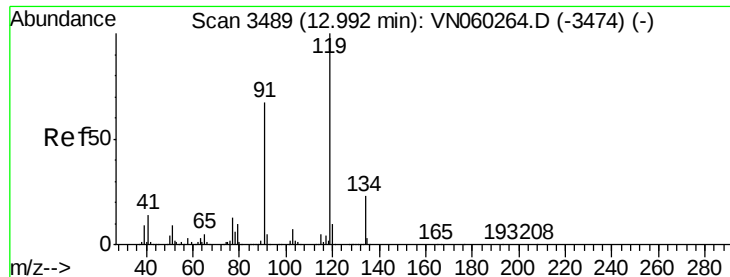
Tgt Ion: 91 Resp: 138991

Ion Ratio Lower Upper

91 100

126 32.3 16.7 50.1

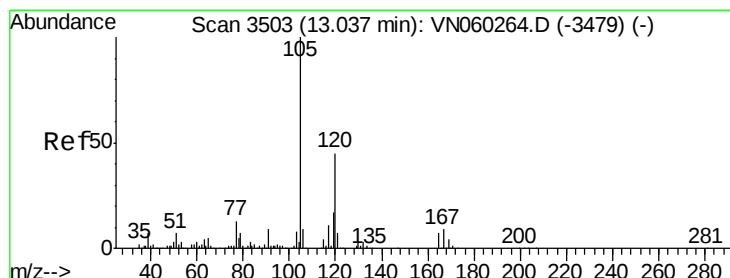
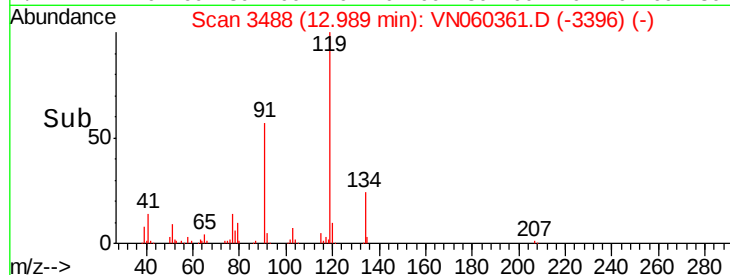
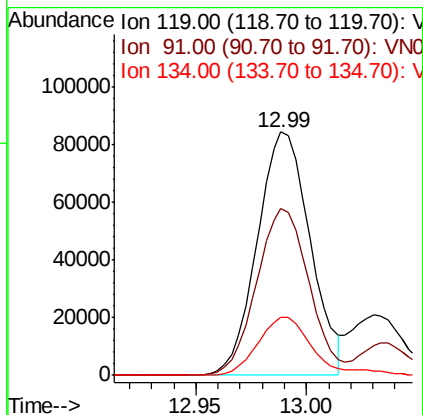
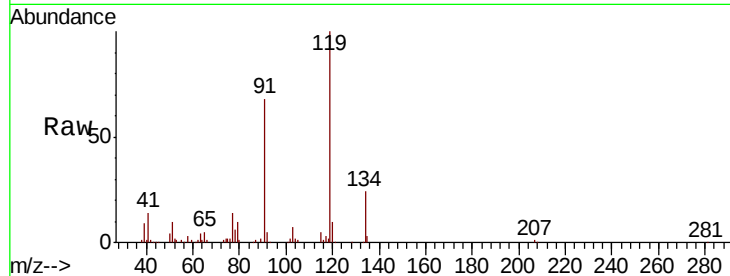




#83
tert-Butylbenzene
Concen: 18.655 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

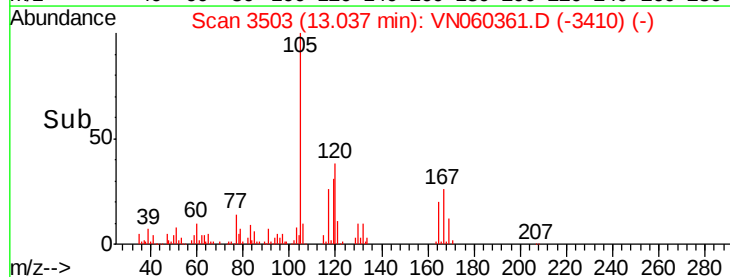
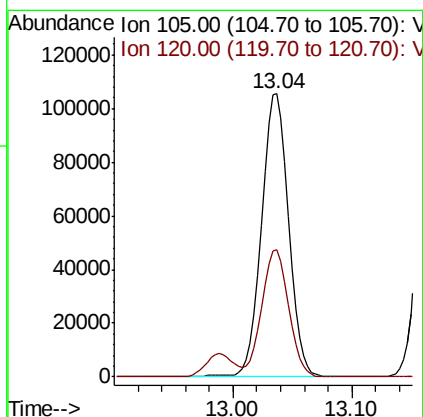
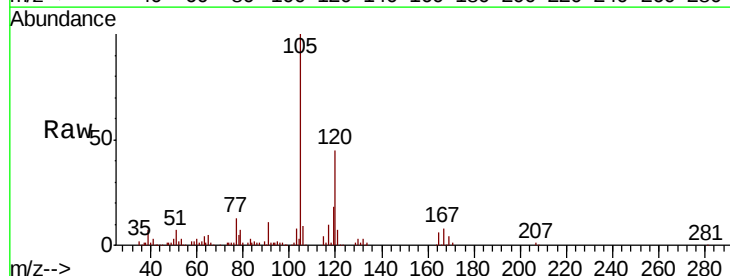
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion:119 Resp: 139972
Ion Ratio Lower Upper
119 100
91 68.0 33.1 99.2
134 25.0 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 18.996 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion:105 Resp: 166155
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9

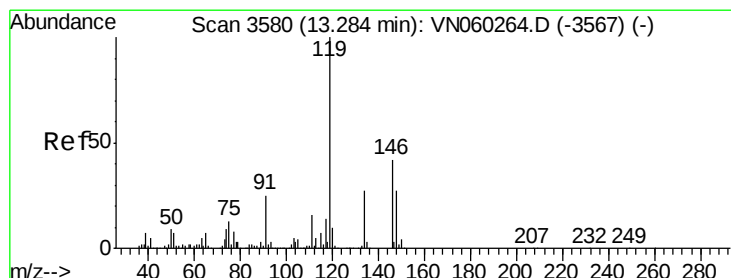
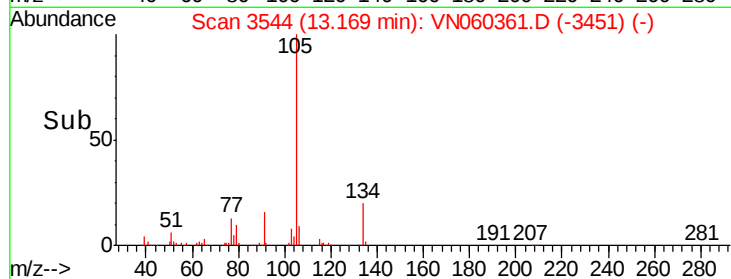
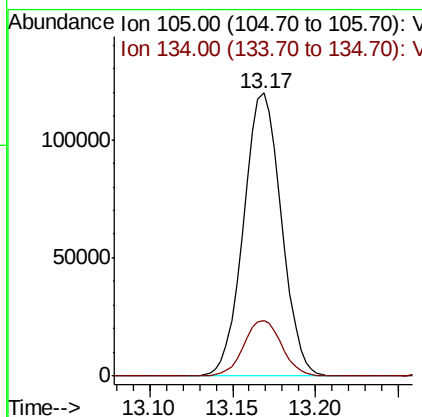
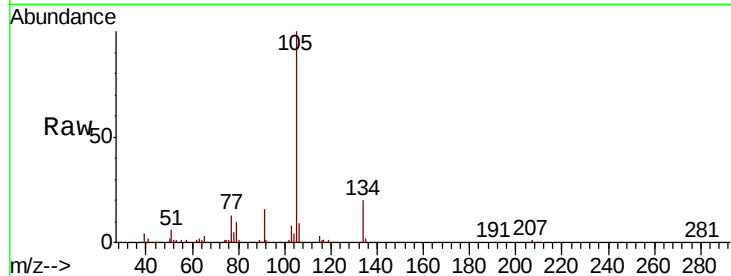




#85
 sec-Butylbenzene
 Concen: 18.873 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

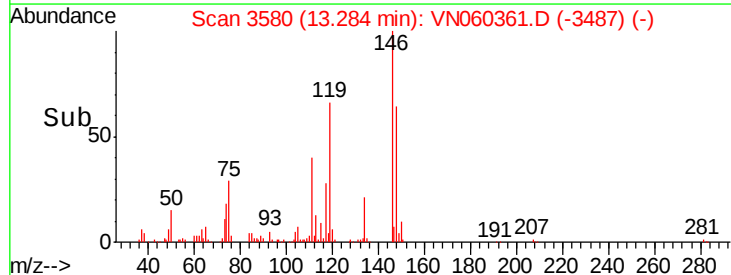
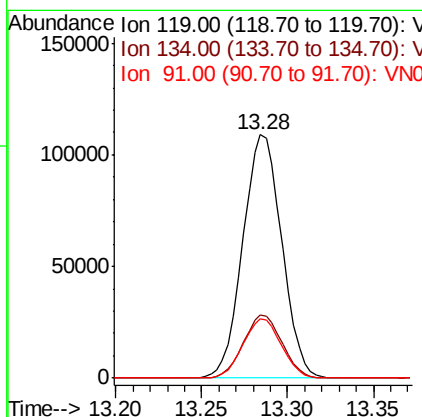
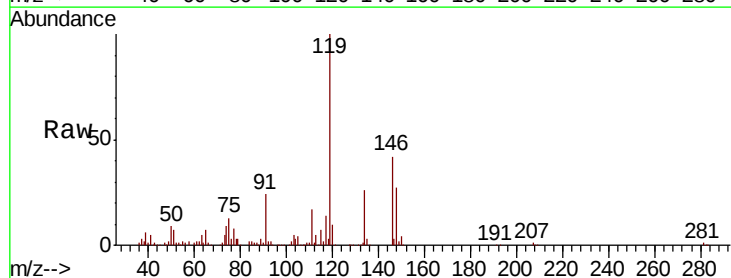
Instrument :
 MSVOA_N
 ClientSampled :
 VN0305MBS01

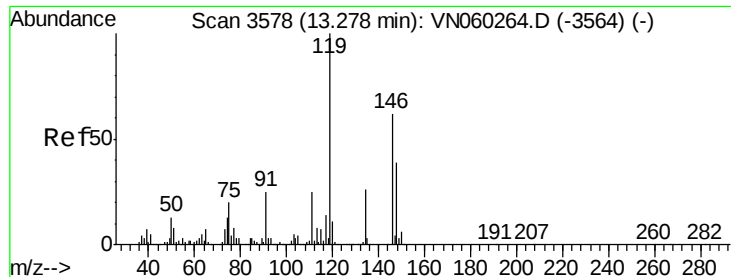
Tot Ion:105 Resp: 189627
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 18.412 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion:119 Resp: 171218
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.3 12.2 36.6

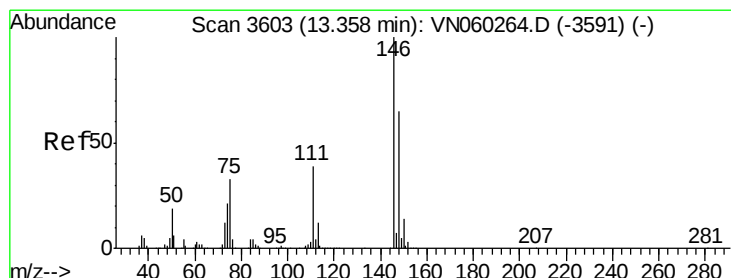
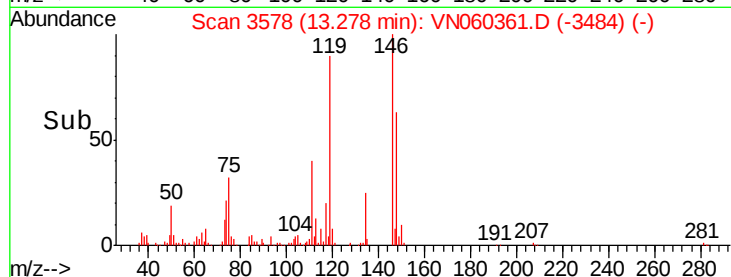
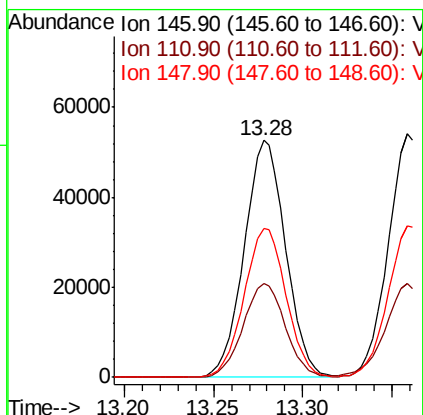
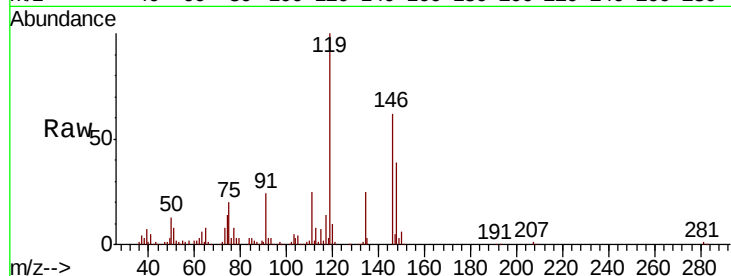




#87
 1,3-Dichlorobenzene
 Concen: 19.606 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

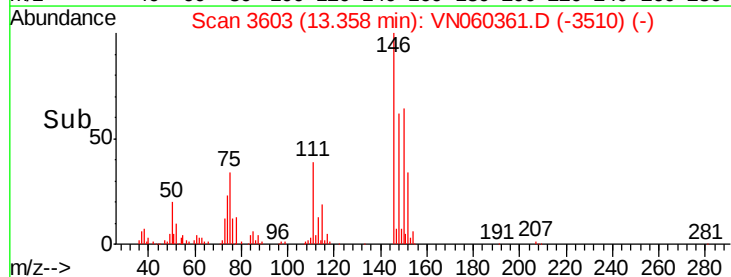
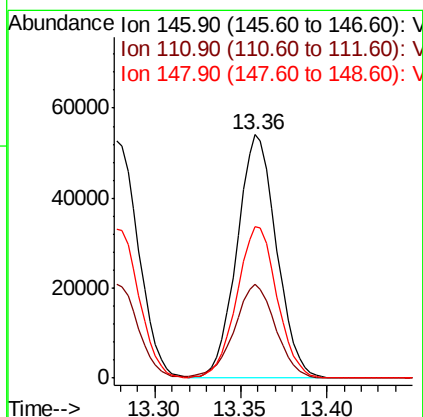
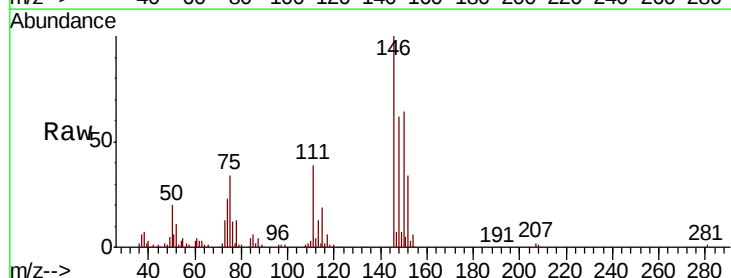
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

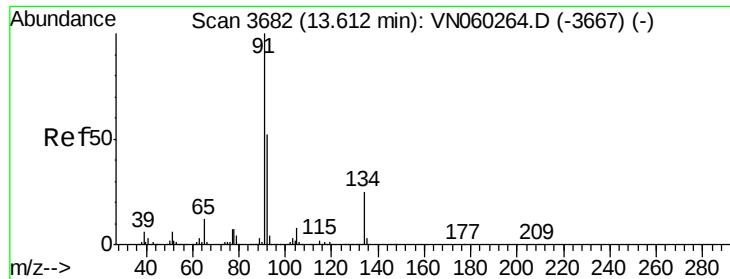
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	63.7	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.765 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.8	59.4
148	63.3	32.3	96.9

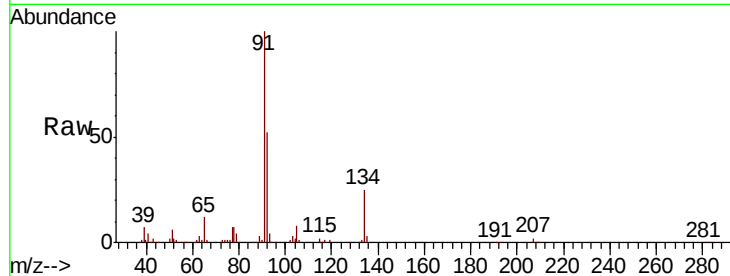




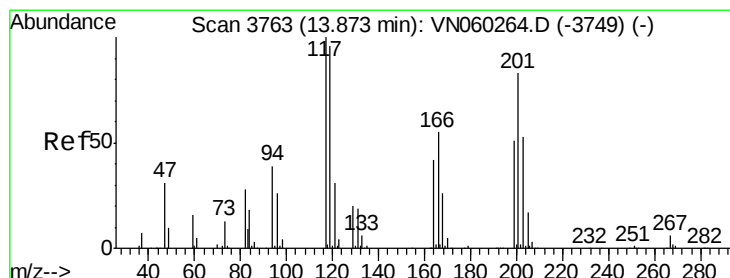
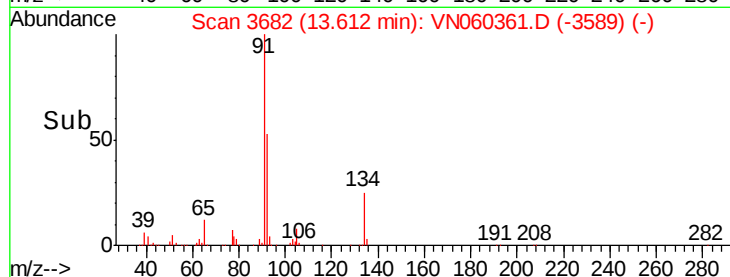
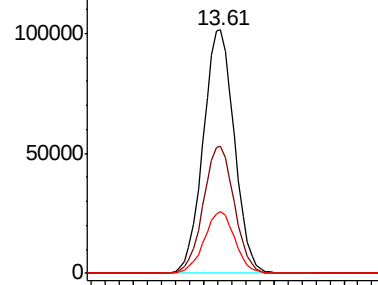
#89
n-Butylbenzene
Concen: 18.329 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion: 91 Resp: 156466
Ion Ratio Lower Upper
91 100
92 52.1 26.0 78.0
134 25.0 12.7 38.1

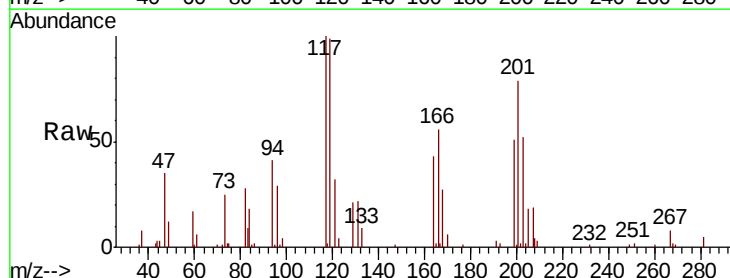


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

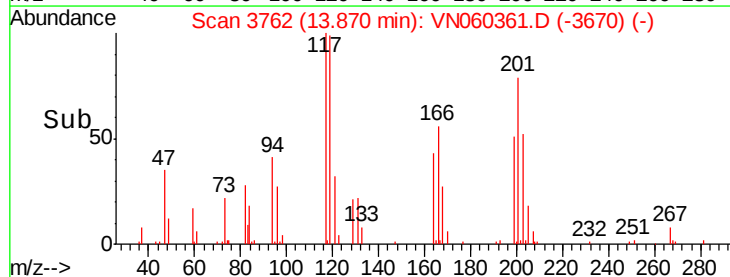
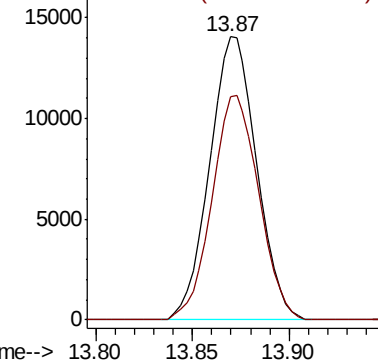


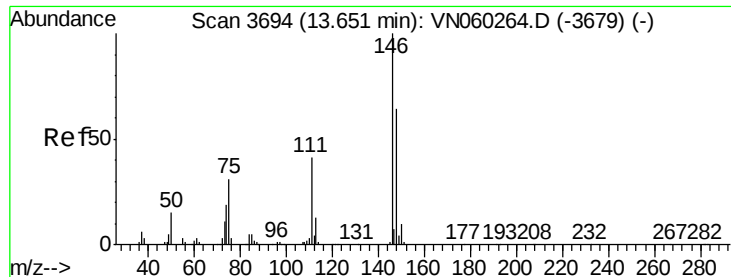
#90
Hexachloroethane
Concen: 17.622 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 117 Resp: 23721
Ion Ratio Lower Upper
117 100
201 79.0 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.853 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

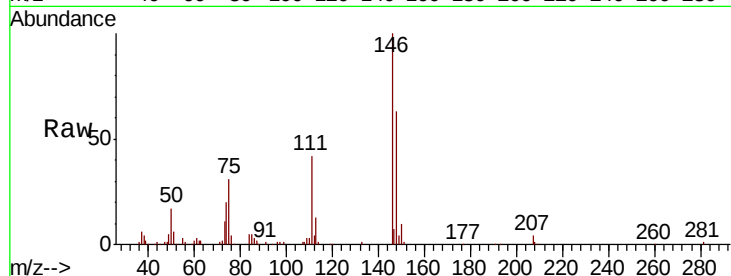
Tot Ion:146 Resp: 83348

Ion Ratio Lower Upper

146 100

111 42.1 20.3 61.0

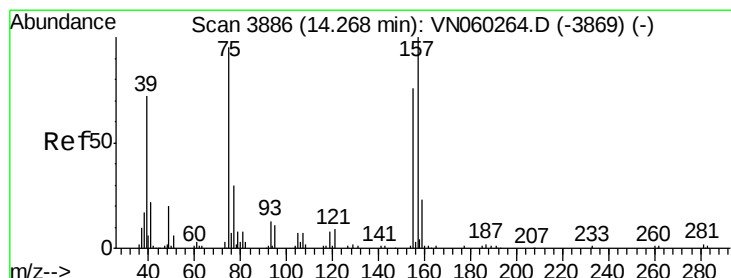
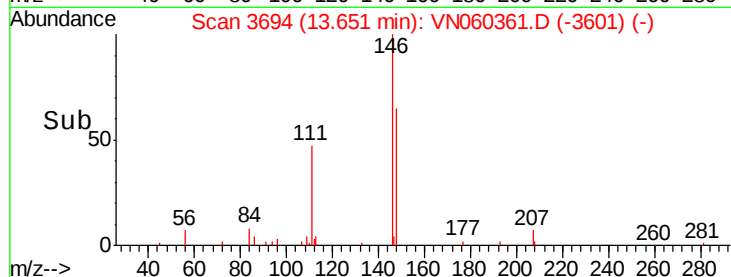
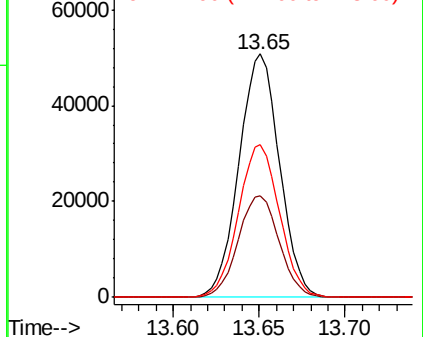
148 63.4 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.952 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

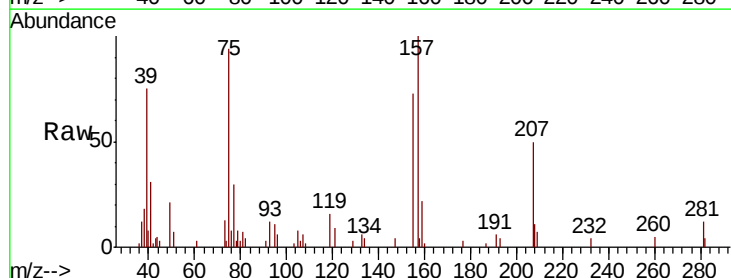
Tgt Ion: 75 Resp: 12641

Ion Ratio Lower Upper

75 100

155 76.6 40.4 121.2

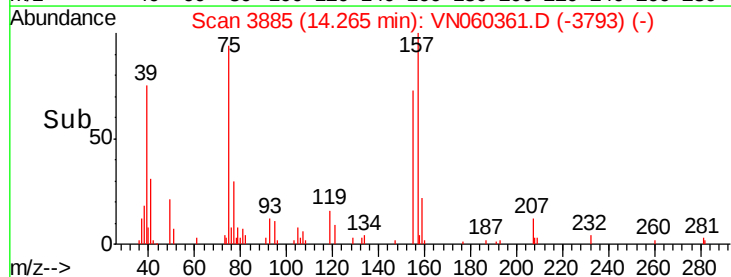
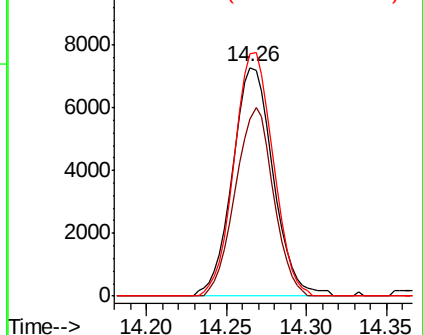
157 102.2 52.5 157.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.190 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

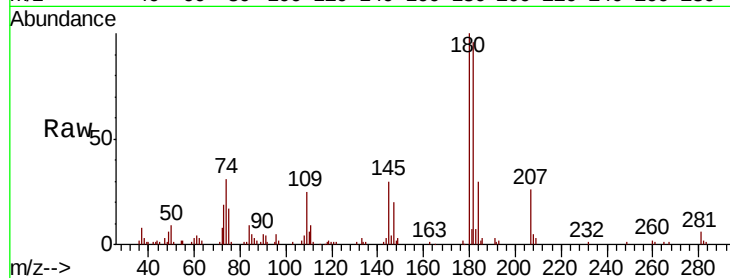
Tot Ion:180 Resp: 53755

Ion Ratio Lower Upper

180 100

182 96.4 47.8 143.3

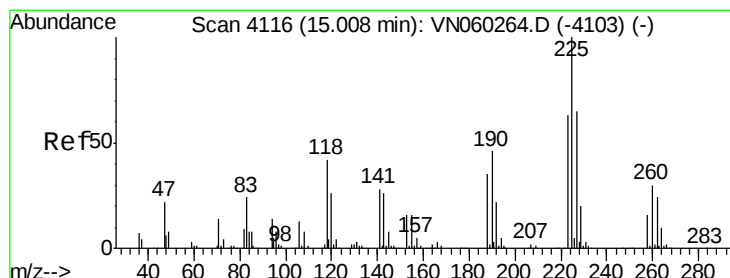
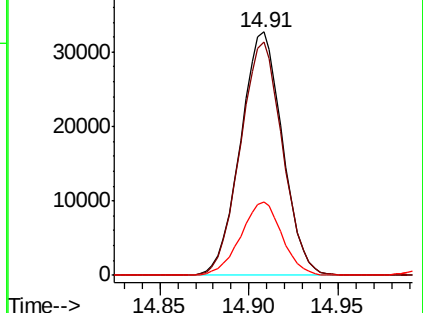
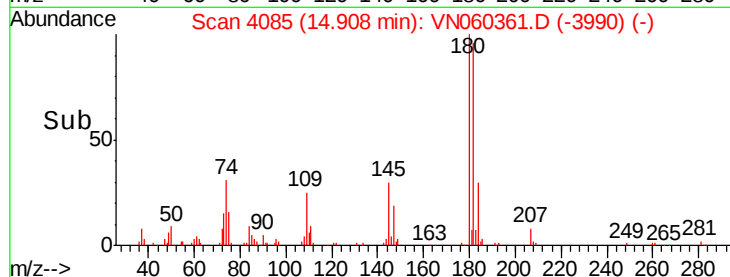
145 29.7 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.699 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

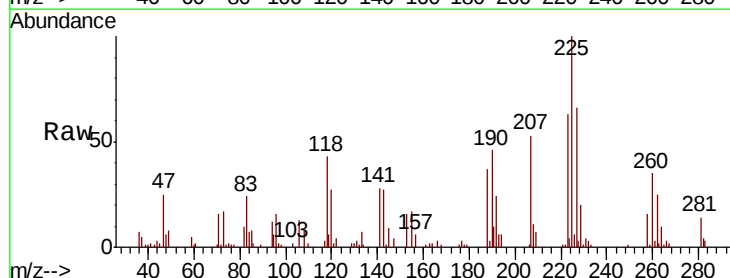
Tgt Ion:225 Resp: 27161

Ion Ratio Lower Upper

225 100

223 61.9 31.3 93.9

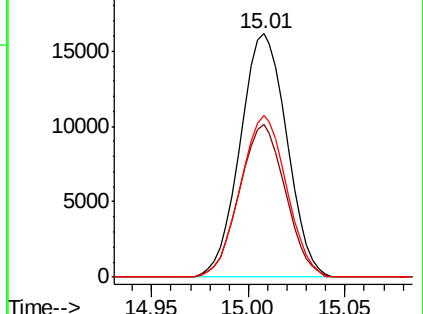
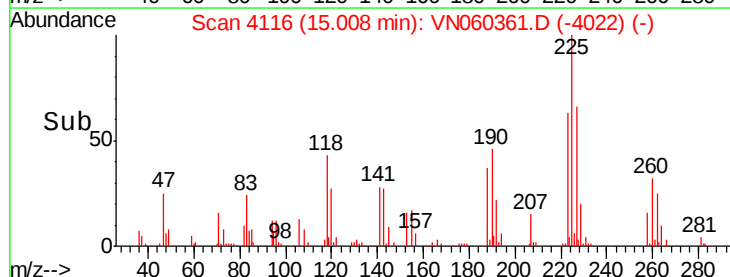
227 65.7 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.581 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

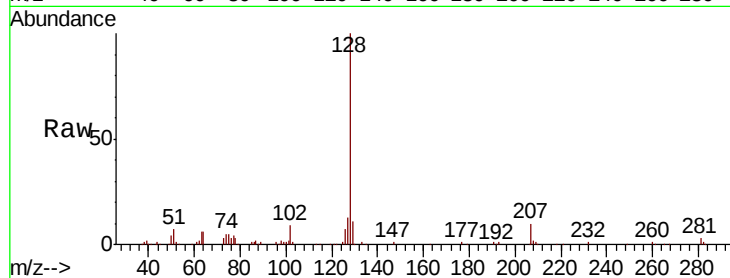
Tot Ion:128 Resp: 155156

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

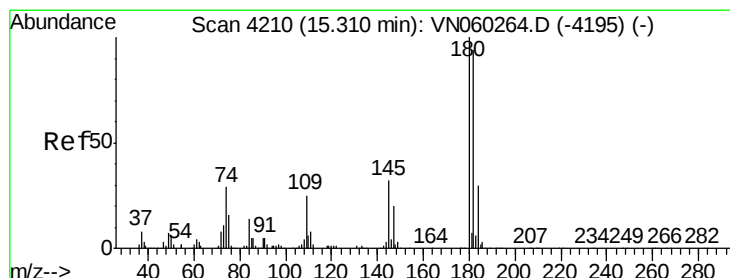
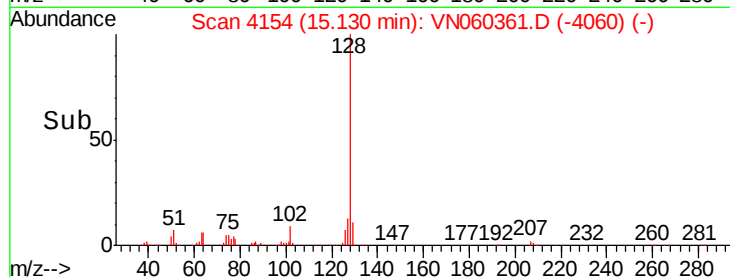
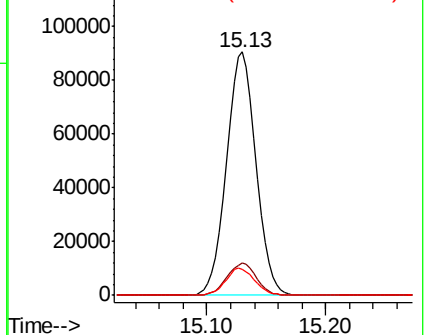
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.516 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

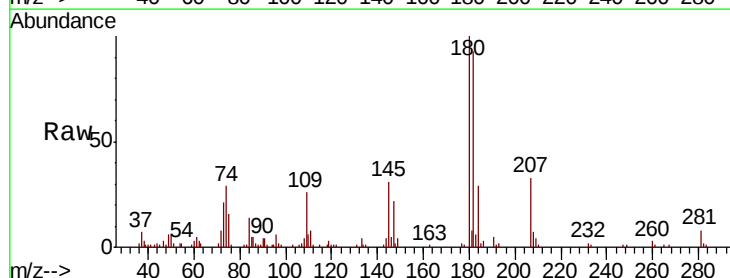
Tgt Ion:180 Resp: 51924

Ion Ratio Lower Upper

180 100

182 93.5 47.3 142.0

145 31.6 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

