

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060581.D
 Acq On : 18 Mar 2020 10:58
 Operator : JC/MD
 Sample : VN0318WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Quant Time: Mar 19 04:58:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	222126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	363652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	330128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	142816	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	7.56	113	105720	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.08	98	429766	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.40	95	154673	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41451	19.286	ug/l	98
3) Chloromethane	2.04	50	68083	16.961	ug/l	99
4) Vinyl Chloride	2.16	62	56134	17.879	ug/l	99
5) Bromomethane	2.54	94	25293	18.662	ug/l	97
6) Chloroethane	2.68	64	32774	18.121	ug/l	99
7) Trichlorofluoromethane	3.00	101	72201	18.668	ug/l	100
8) Diethyl Ether	3.38	74	27942	17.984	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	42639	19.026	ug/l	99
10) Methyl Iodide	3.92	142	41810	20.966	ug/l	100
11) Tert butyl alcohol	4.72	59	38569	86.005	ug/l	98
12) 1,1-Dichloroethene	3.71	96	42743	17.773	ug/l	96
13) Acrolein	3.57	56	40463	81.411	ug/l	100
14) Allyl chloride	4.29	41	80230	18.968	ug/l	95
15) Acrylonitrile	4.94	53	112137	85.035	ug/l	98
16) Acetone	3.78	43	97171	89.963	ug/l	99
17) Carbon Disulfide	4.03	76	134816	18.432	ug/l	99
18) Methyl Acetate	4.29	43	50548	16.626	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	147622	17.854	ug/l	98
20) Methylene Chloride	4.52	84	48475	18.244	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	47459	18.516	ug/l	97
22) Diisopropyl ether	5.91	45	162855	18.224	ug/l	95
23) Vinyl Acetate	5.86	43	657945	90.239	ug/l	100
24) 1,1-Dichloroethane	5.81	63	89093	18.288	ug/l	99
25) 2-Butanone	6.80	43	149017	85.259	ug/l	100
26) 2,2-Dichloropropane	6.79	77	77067	20.107	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	52585	18.054	ug/l	99
28) Bromochloromethane	7.17	49	42011	18.025	ug/l	98
29) Tetrahydrofuran	7.18	42	101774	82.298	ug/l	100
30) Chloroform	7.35	83	83985	17.983	ug/l	98
31) Cyclohexane	7.63	56	88261	17.971	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	74243	18.441	ug/l	99
36) 1,1-Dichloropropene	7.77	75	67276	19.106	ug/l	98
37) Ethyl Acetate	6.90	43	64838	17.041	ug/l	98
38) Carbon Tetrachloride	7.75	117	58789	18.628	ug/l	99

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Quant Time: Mar 19 04:58:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	81296	19.427	ug/l	98
40) Benzene	8.02	78	201224	18.930	ug/l	98
41) Methacrylonitrile	7.17	41	92453	56.937	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	67949	18.704	ug/l	99
43) Isopropyl Acetate	8.14	43	110276	17.574	ug/l	100
44) Trichloroethene	8.82	130	50719	18.927	ug/l	98
45) 1,2-Dichloropropane	9.10	63	53224	18.975	ug/l	96
46) Dibromomethane	9.19	93	31366	18.497	ug/l	98
47) Bromodichloromethane	9.39	83	65028	18.454	ug/l	98
48) Methyl methacrylate	9.18	41	47312	16.935	ug/l	98
49) 1,4-Dioxane	9.17	88	13077	393.802	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	312615	87.550	ug/l	99
52) Toluene	10.14	92	121078	18.860	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	76814	18.978	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	84351	18.996	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45527	18.434	ug/l	97
56) Ethyl methacrylate	10.42	69	69365	18.013	ug/l	99
57) 1,3-Dichloropropane	10.70	76	80255	18.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	176400	92.165	ug/l	100
59) 2-Hexanone	10.74	43	221314	86.042	ug/l	100
60) Dibromochloromethane	10.89	129	47094	18.460	ug/l	99
61) 1,2-Dibromoethane	10.99	107	45763	18.427	ug/l	100
64) Tetrachloroethene	10.62	164	51448	19.804	ug/l	98
65) Chlorobenzene	11.43	112	124304	18.994	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	44990	18.987	ug/l	97
67) Ethyl Benzene	11.50	91	233153	19.157	ug/l	100
68) m/p-Xylenes	11.62	106	171788	37.984	ug/l	99
69) o-Xylene	11.94	106	81611	18.903	ug/l	100
70) Styrene	11.96	104	131195	18.580	ug/l	100
71) Bromoform	12.12	173	32171	17.467	ug/l #	99
73) Isopropylbenzene	12.24	105	218863	19.298	ug/l	100
74) N-amyl acetate	12.06	43	92166	17.587	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61453	17.918	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	83631	25.646	ug/l #	100
77) Bromobenzene	12.52	156	51081	18.692	ug/l	99
78) n-propylbenzene	12.59	91	258368	19.283	ug/l	100
79) 2-Chlorotoluene	12.67	91	150139	18.754	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	184758	19.197	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22483	17.708	ug/l	99
82) 4-Chlorotoluene	12.77	91	155289	19.045	ug/l	99
83) tert-Butylbenzene	12.99	119	153170	19.198	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	185769	19.510	ug/l	99
85) sec-Butylbenzene	13.17	105	206090	19.210	ug/l	99
86) p-Isopropyltoluene	13.28	119	185397	19.217	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	91624	19.009	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	90778	18.746	ug/l	99
89) n-Butylbenzene	13.61	91	167094	19.184	ug/l	100
90) Hexachloroethane	13.87	117	25937	18.496	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	86088	18.679	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11817	16.269	ug/l	96

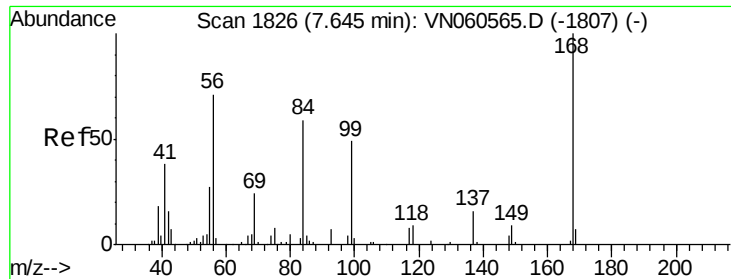
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
Data File : VN060581.D
Acq On : 18 Mar 2020 10:58
Operator : JC/MD
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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	51568	18.220	ug/l	99
94) Hexachlorobutadiene	15.01	225	27519	19.834	ug/l	96
95) Naphthalene	15.13	128	144391	16.962	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50167	17.996	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: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampled :

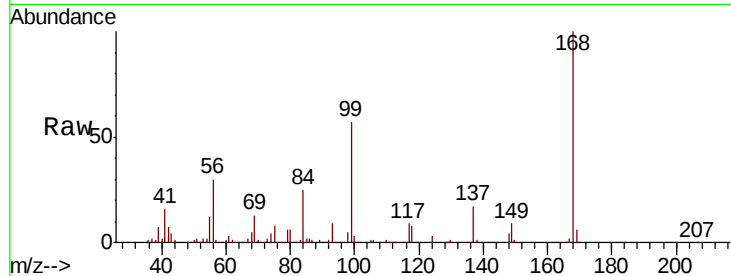
VN0318WBS01

Tot Ion:168 Resp: 222126

Ion Ratio Lower Upper

168 100

99 56.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

40000

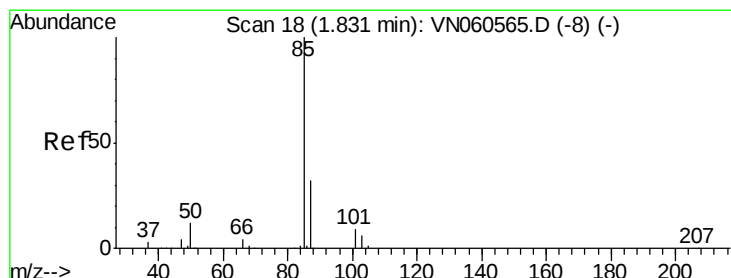
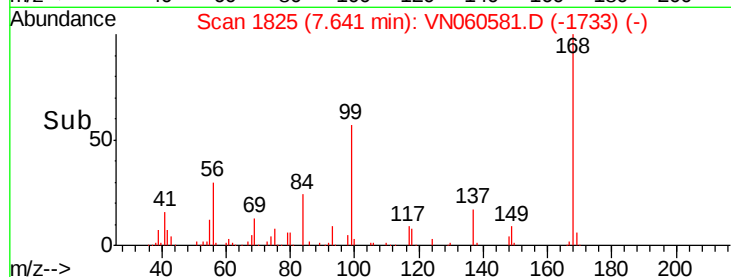
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.286 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060581.D

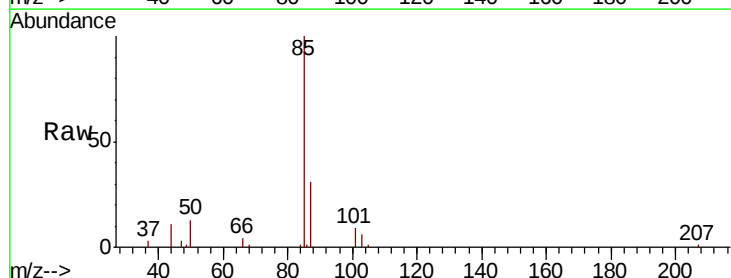
Acq: 18 Mar 2020 10:58

Tgt Ion: 85 Resp: 41451

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

20000

10000

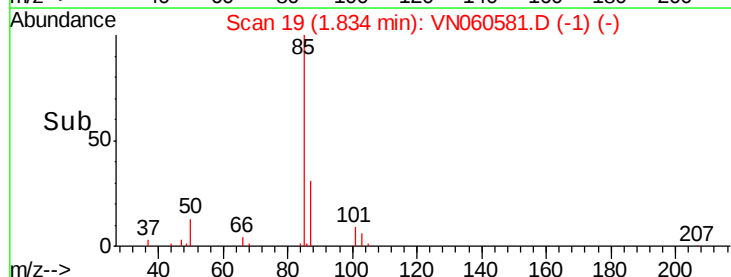
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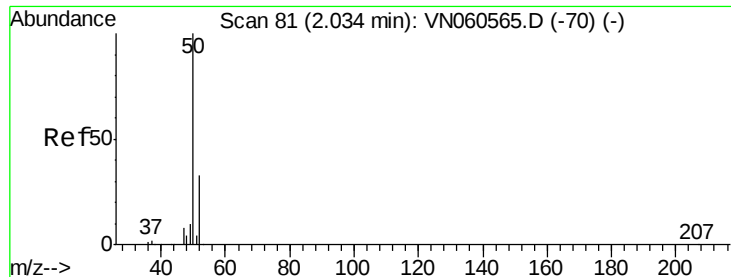
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 16.961 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

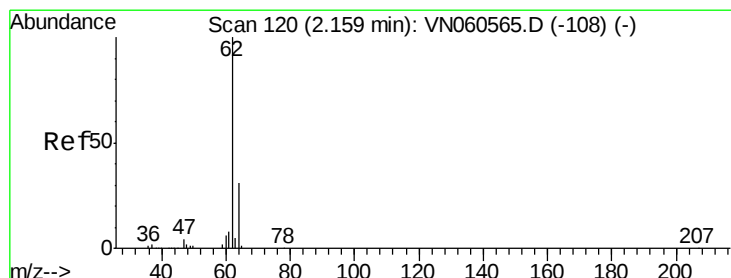
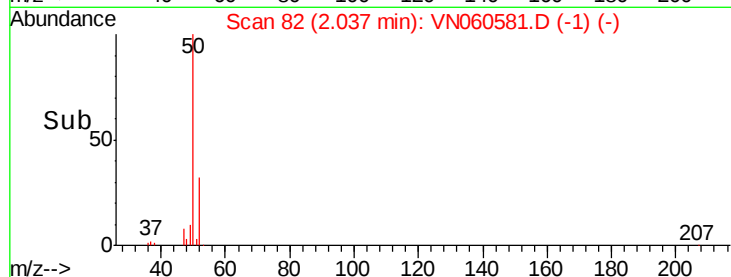
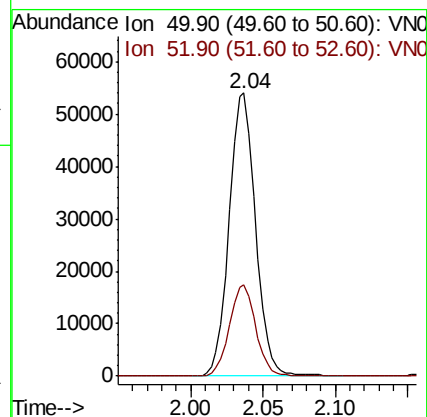
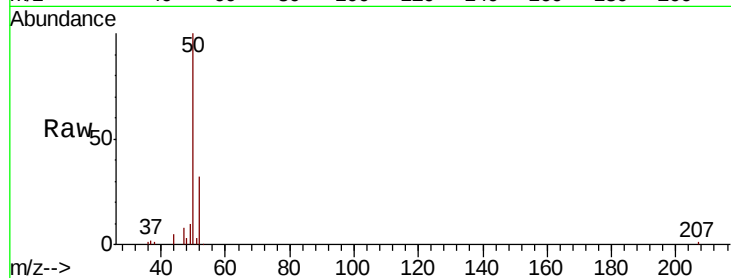
VN0318WBS01

Tot Ion: 50 Resp: 68083

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2



#4

Vinyl Chloride

Concen: 17.879 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060581.D

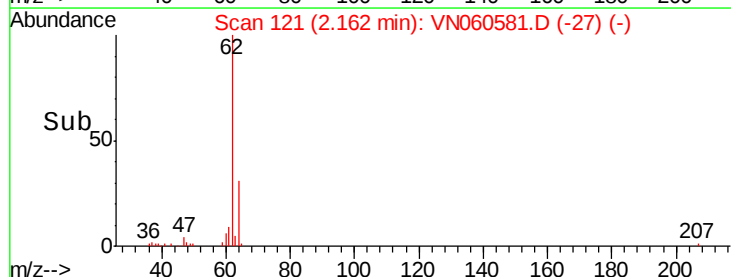
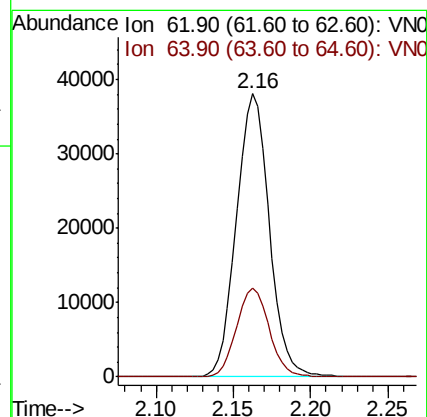
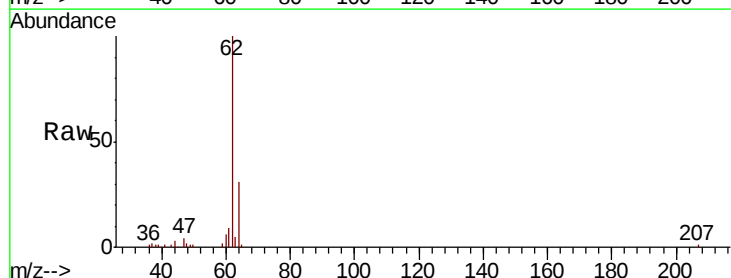
Acq: 18 Mar 2020 10:58

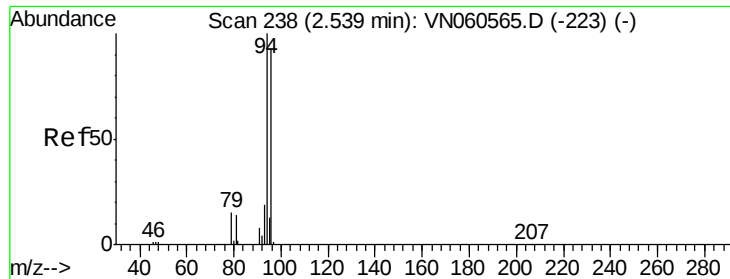
Tgt Ion: 62 Resp: 56134

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1





#5

Bromomethane

Concen: 18.662 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

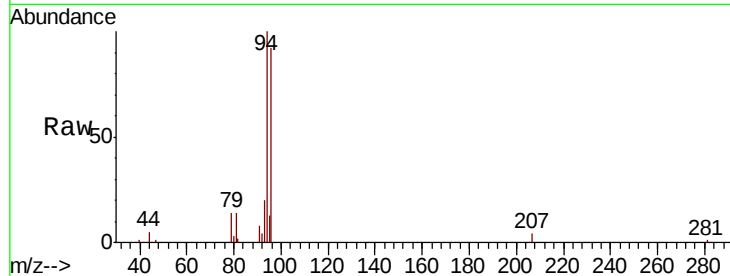
VN0318WBS01

Tot Ion: 94 Resp: 25293

Ion Ratio Lower Upper

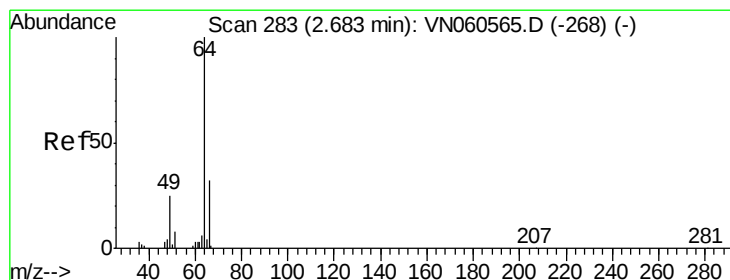
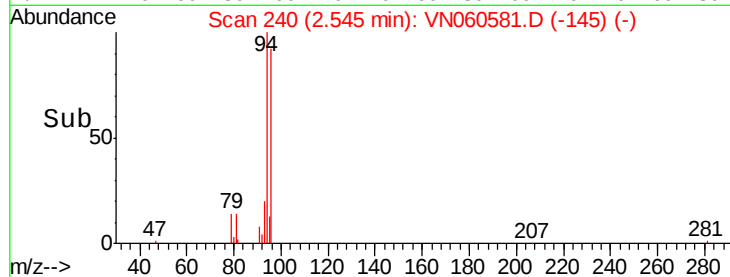
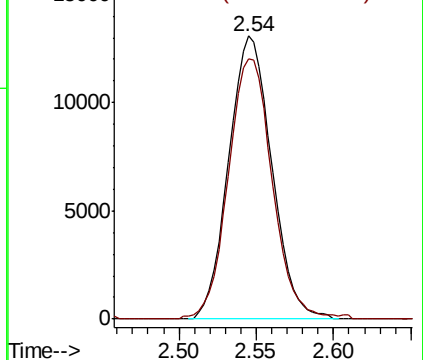
94 100

96 90.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.121 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060581.D

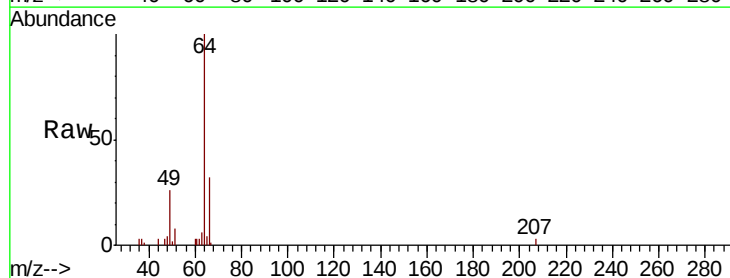
Acq: 18 Mar 2020 10:58

Tgt Ion: 64 Resp: 32774

Ion Ratio Lower Upper

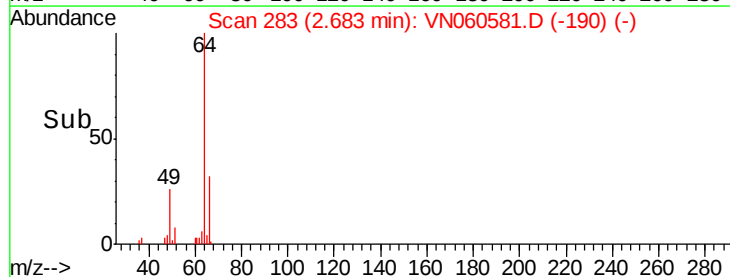
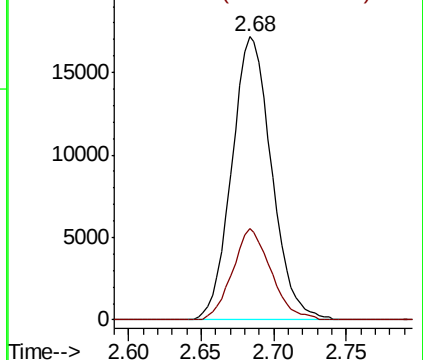
64 100

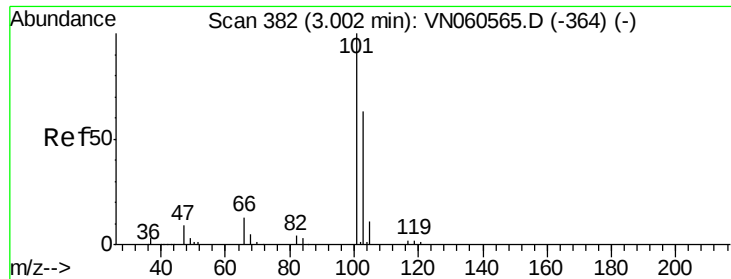
66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



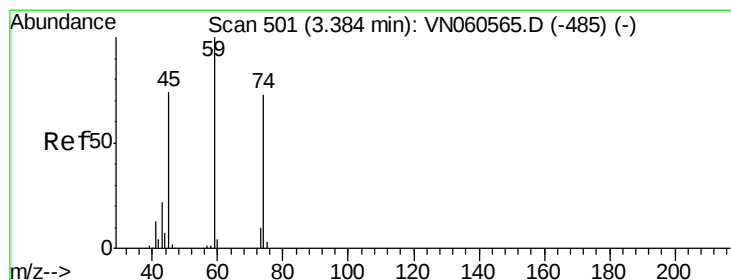
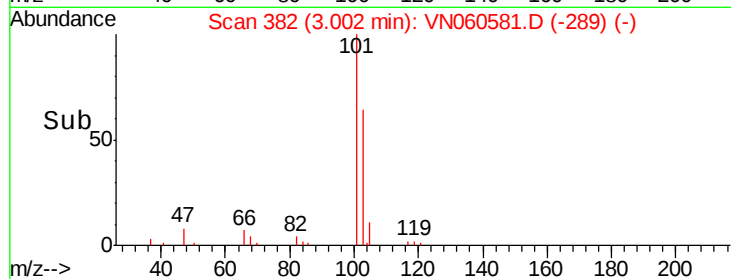
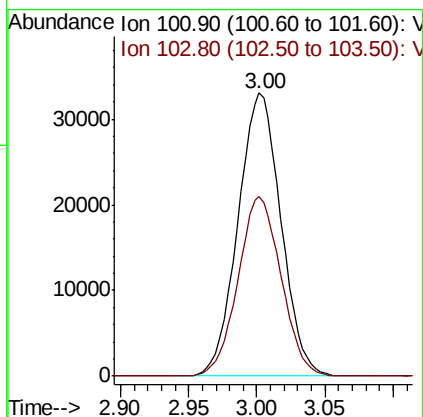
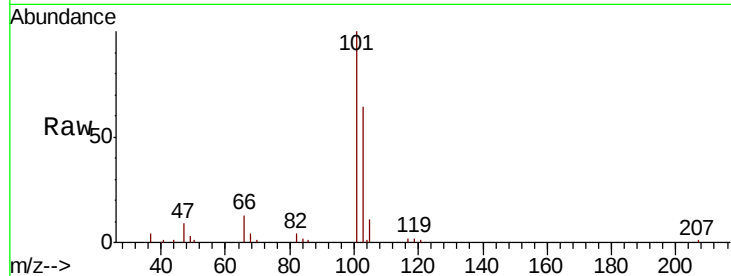


#7

Trichlorofluoromethane
 Concen: 18.668 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
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 VN0318WBS01

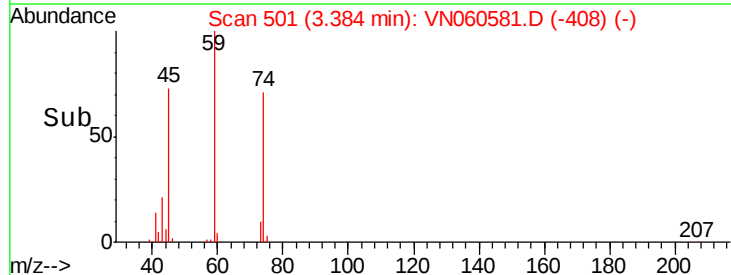
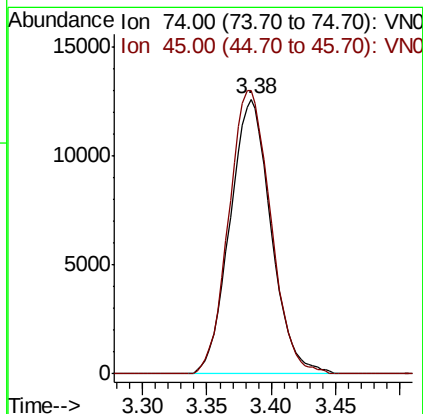
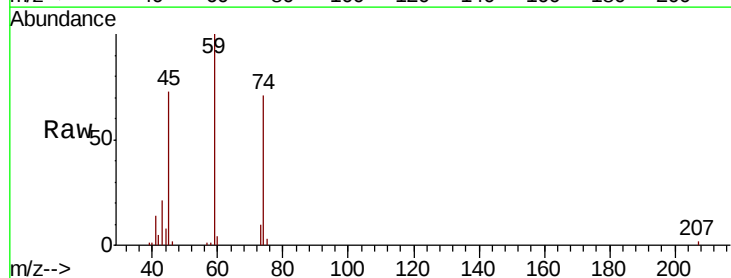
Tot Ion:101 Resp: 72201
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.6 76.0

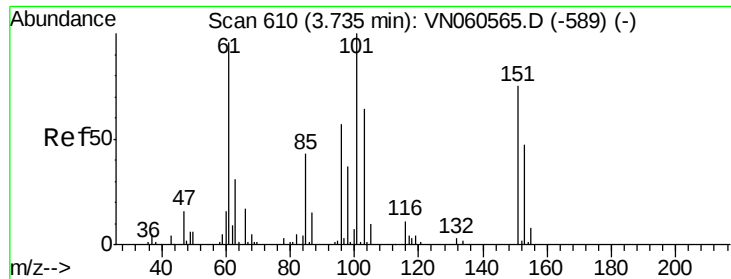


#8

Diethyl Ether
 Concen: 17.984 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion: 74 Resp: 27942
 Ion Ratio Lower Upper
 74 100
 45 105.0 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.026 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

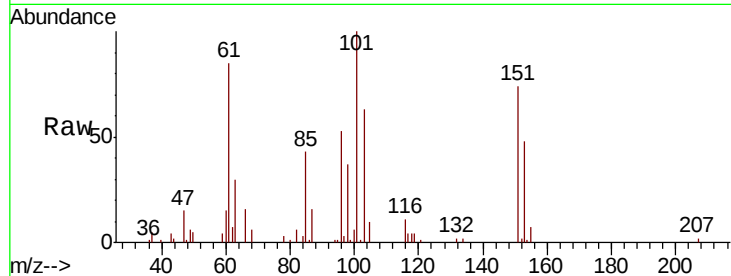
Tot Ion:101 Resp: 42639

Ion Ratio Lower Upper

101 100

85 43.6 35.6 53.4

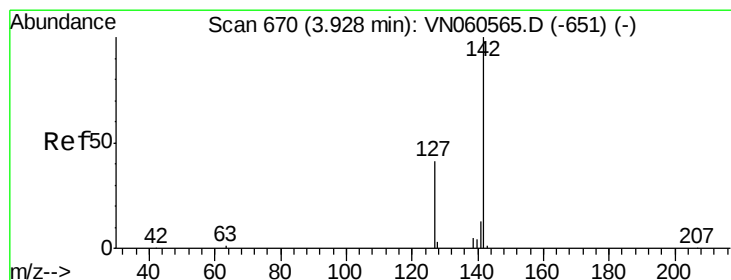
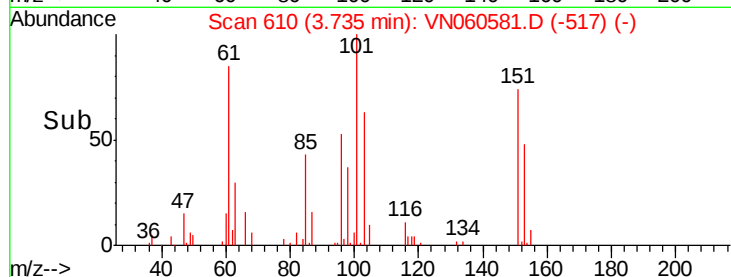
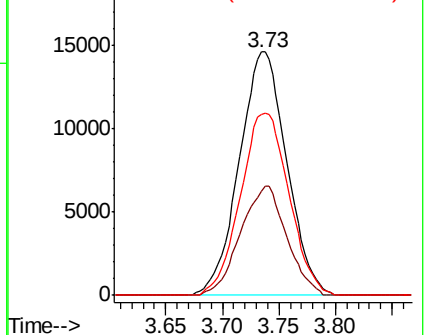
151 76.6 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.966 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

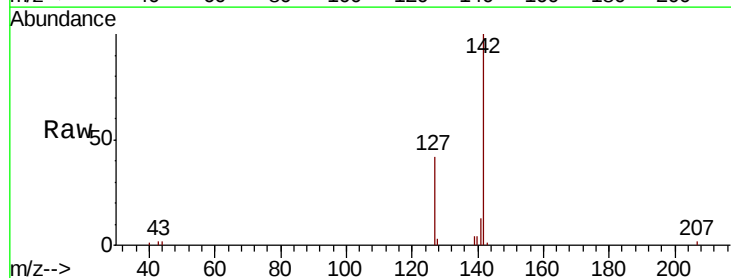
Tgt Ion:142 Resp: 41810

Ion Ratio Lower Upper

142 100

127 41.9 33.5 50.3

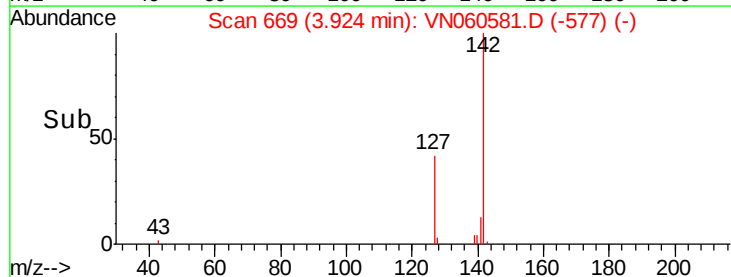
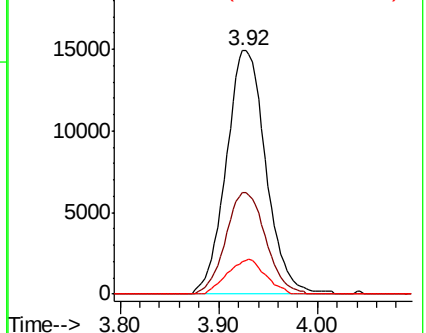
141 13.6 11.0 16.6

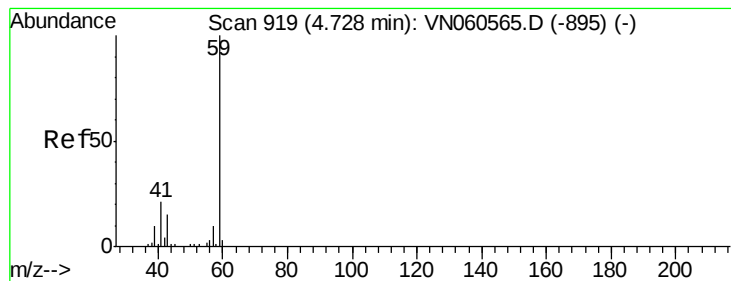


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



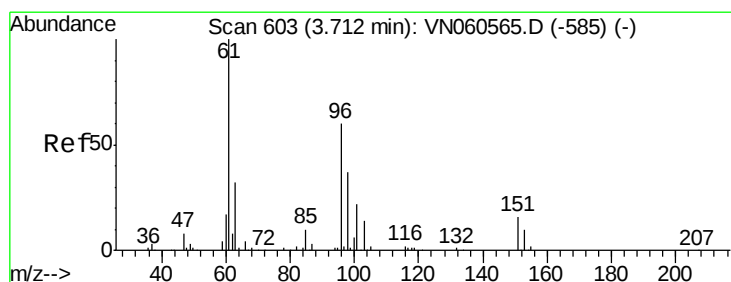
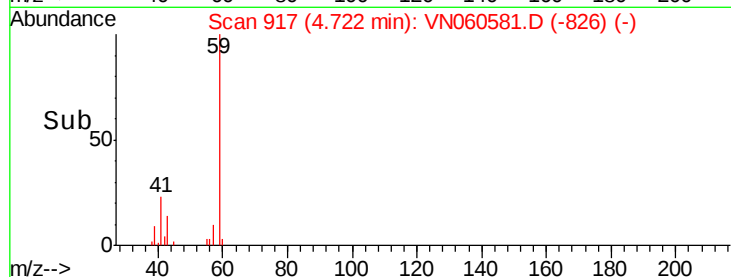
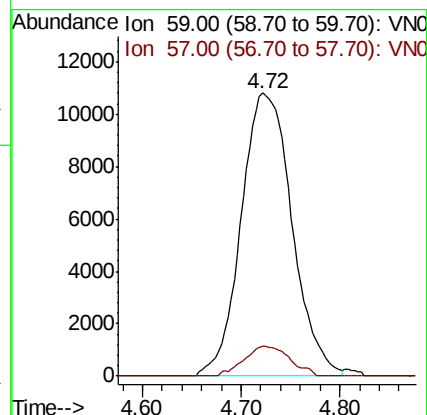
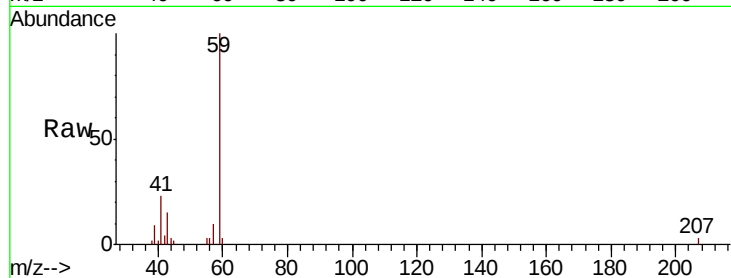


#11

Tert butyl alcohol
 Concen: 86.005 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

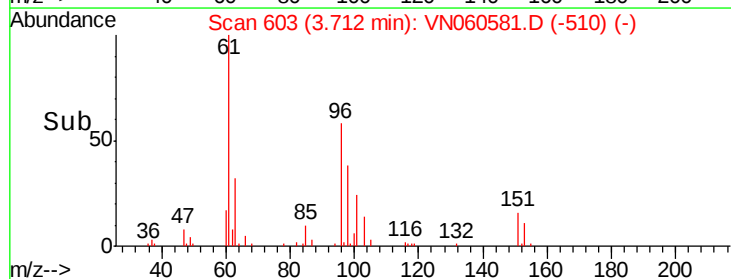
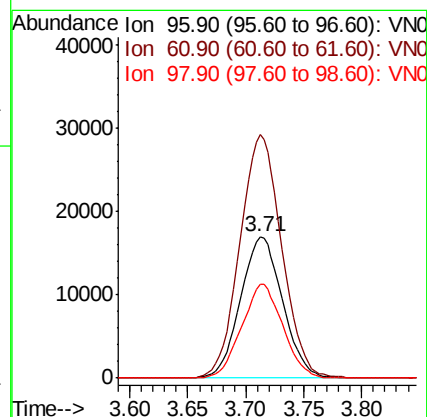
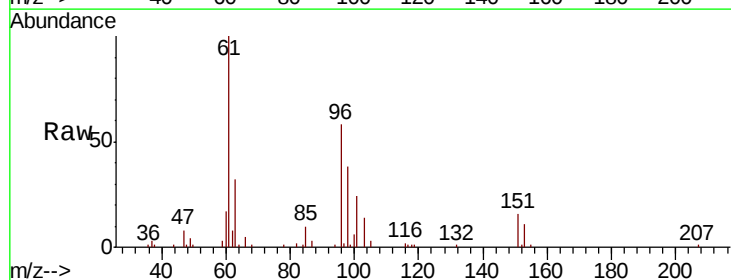
Tot Ion: 59 Resp: 38569
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.2 12.4

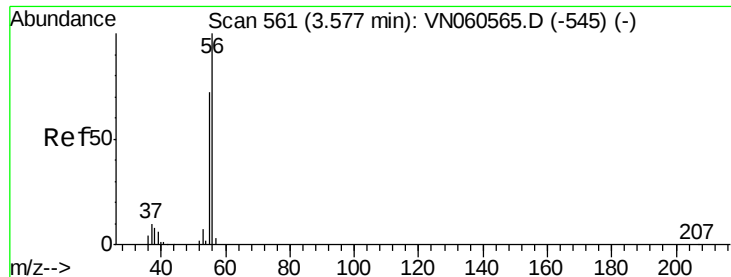


#12

1,1-Dichloroethene
 Concen: 17.773 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion: 96 Resp: 42743
 Ion Ratio Lower Upper
 96 100
 61 172.2 134.1 201.1
 98 66.0 49.9 74.9





#13

Acrolein

Concen: 81.411 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

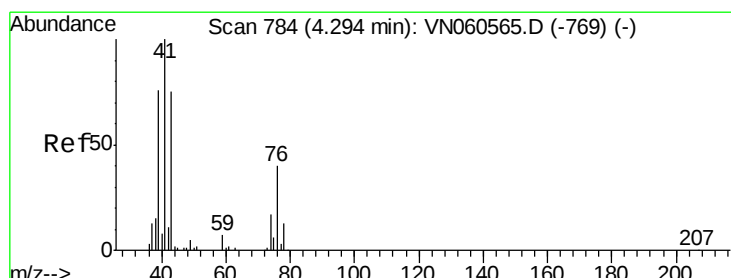
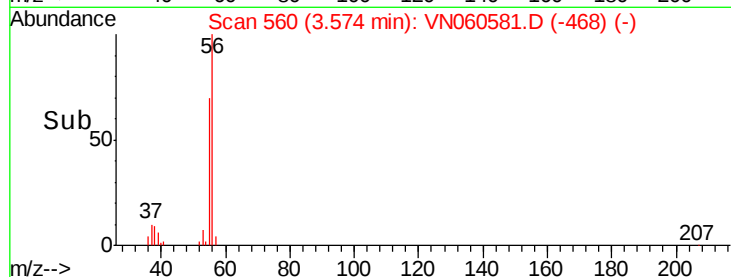
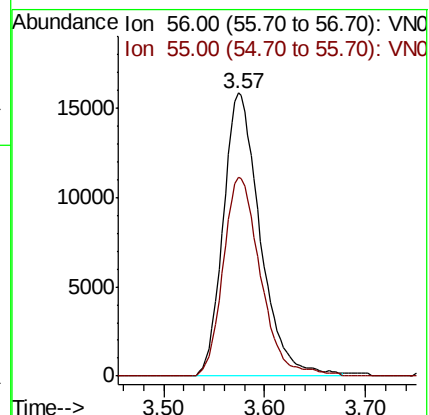
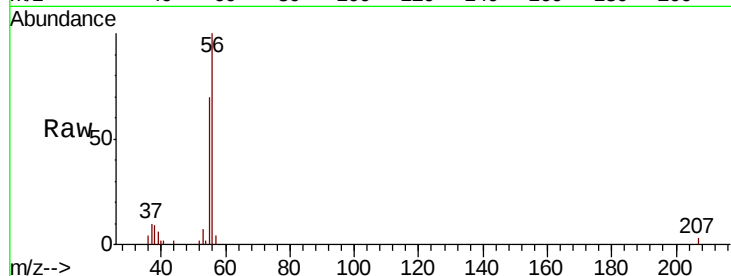
VN0318WBS01

Tot Ion: 56 Resp: 40463

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



#14

Allyl chloride

Concen: 18.968 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

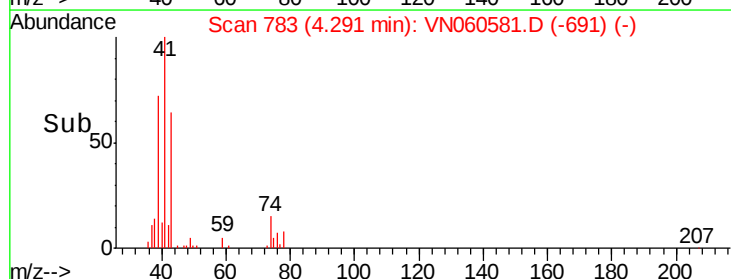
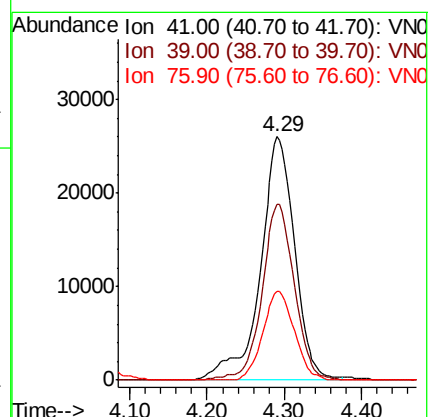
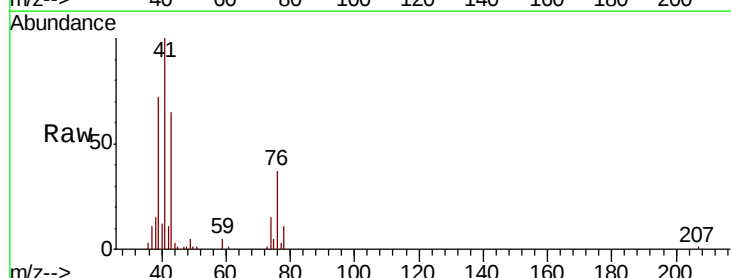
Tgt Ion: 41 Resp: 80230

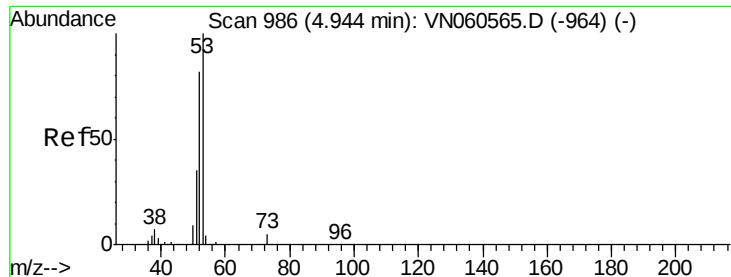
Ion Ratio Lower Upper

41 100

39 67.8 57.8 86.8

76 33.3 28.6 43.0





#15

Acrylonitrile

Concen: 85.035 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

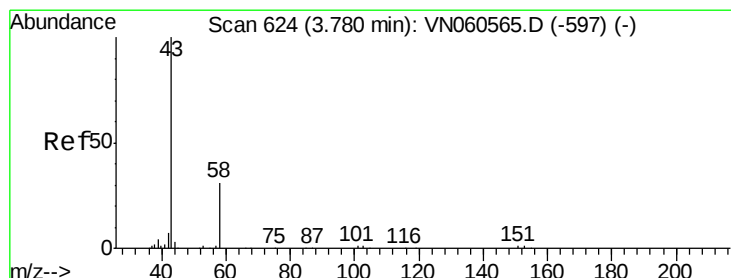
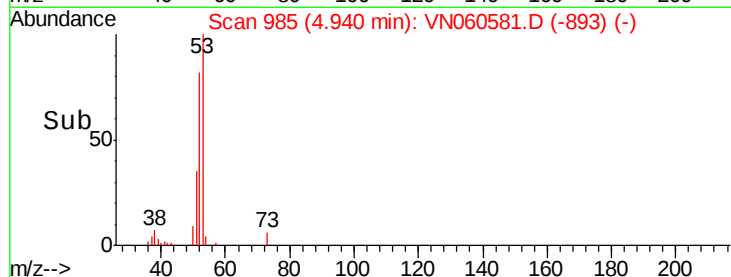
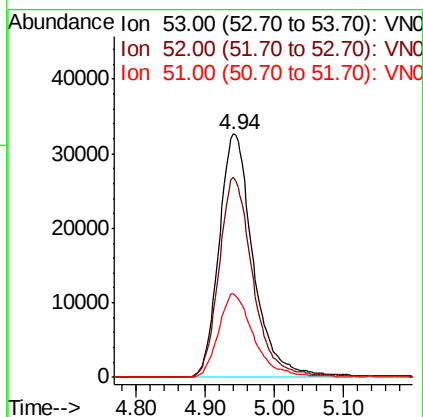
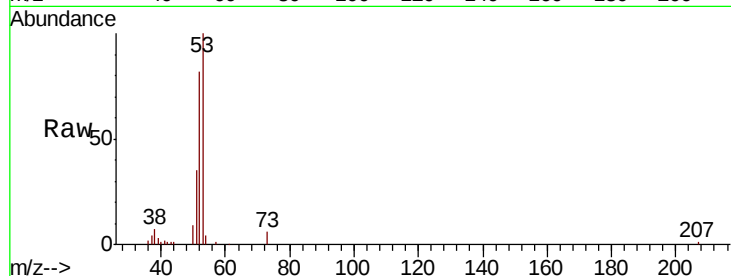
Tot Ion: 53 Resp: 112137

Ion Ratio Lower Upper

53 100

52 80.9 66.2 99.4

51 35.5 28.7 43.1



#16

Acetone

Concen: 89.963 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060581.D

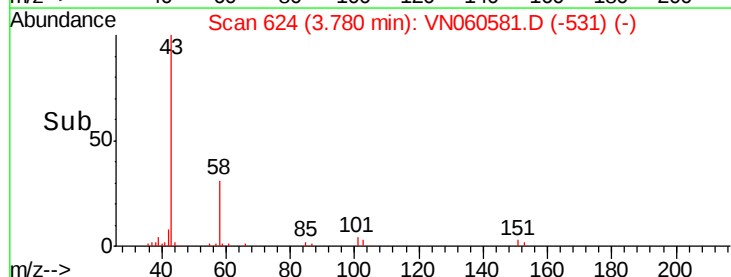
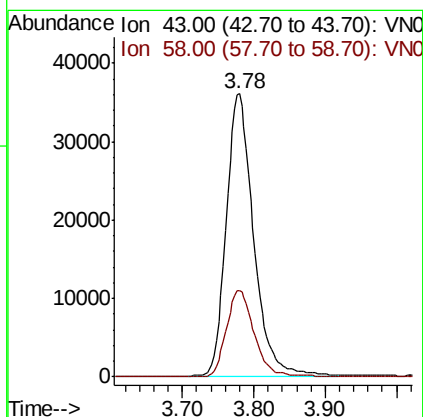
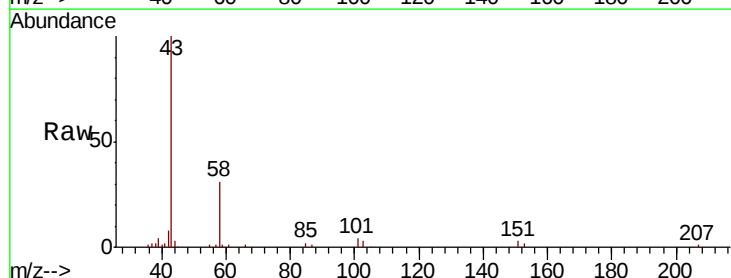
Acq: 18 Mar 2020 10:58

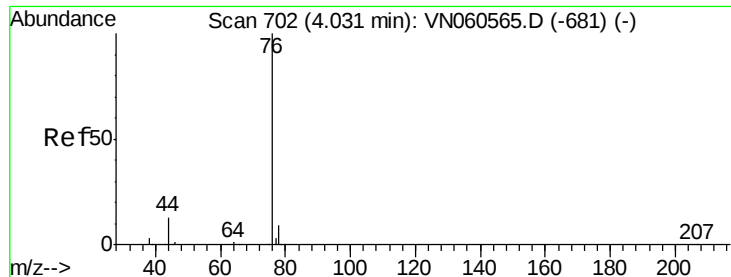
Tgt Ion: 43 Resp: 97171

Ion Ratio Lower Upper

43 100

58 30.7 25.1 37.7





#17

Carbon Disulfide

Concen: 18.432 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

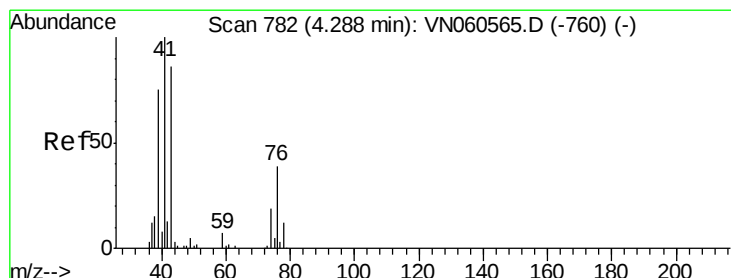
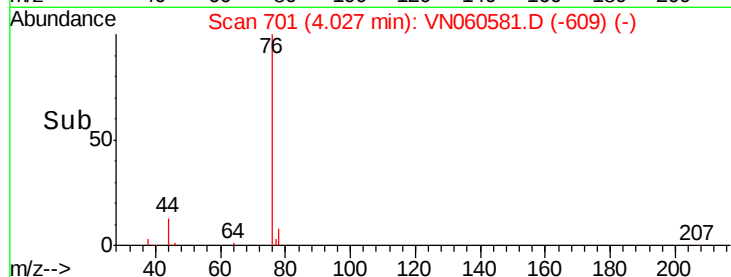
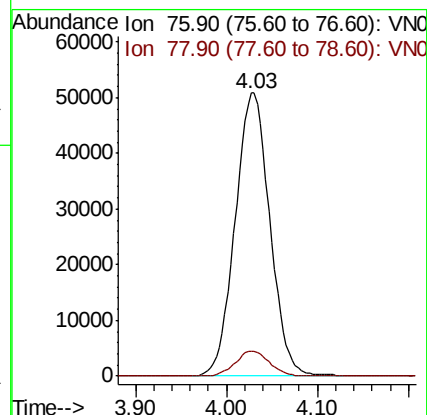
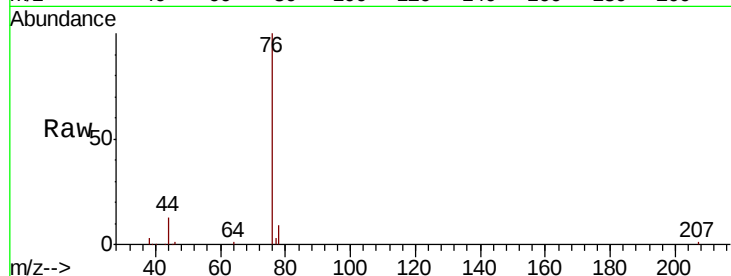
VN0318WBS01

Tot Ion: 76 Resp: 134816

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



#18

Methyl Acetate

Concen: 16.626 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060581.D

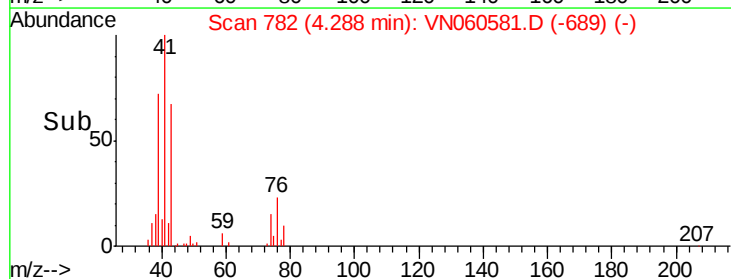
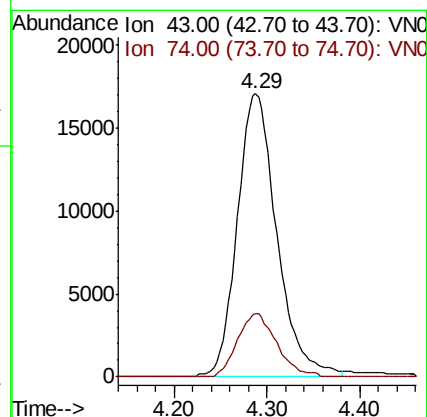
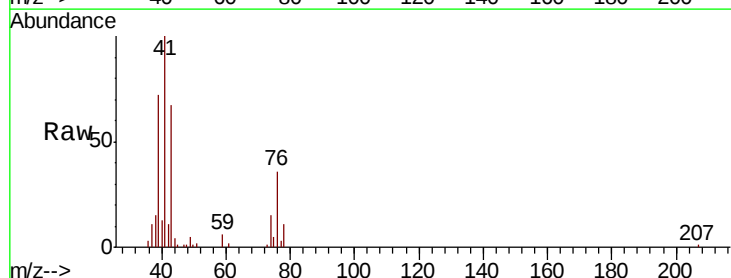
Acq: 18 Mar 2020 10:58

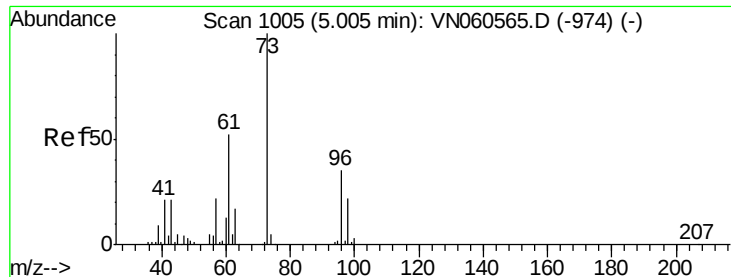
Tgt Ion: 43 Resp: 50548

Ion Ratio Lower Upper

43 100

74 22.2 17.5 26.3

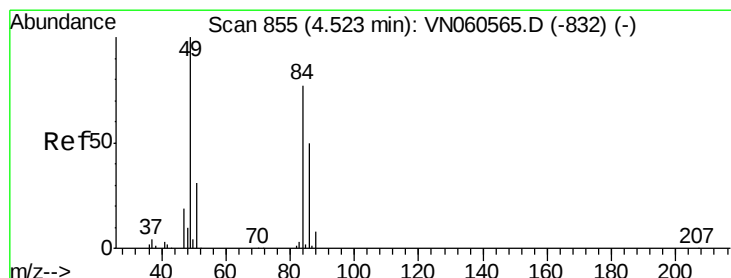
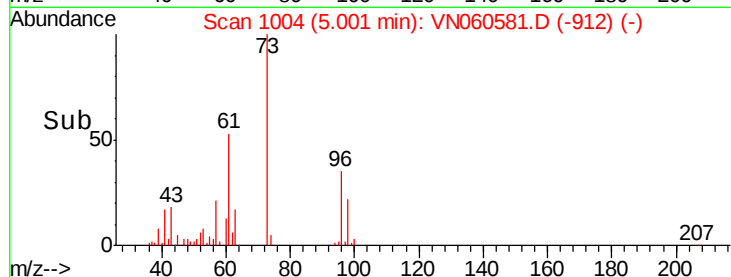
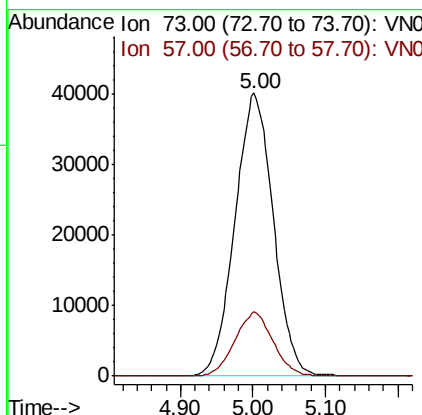
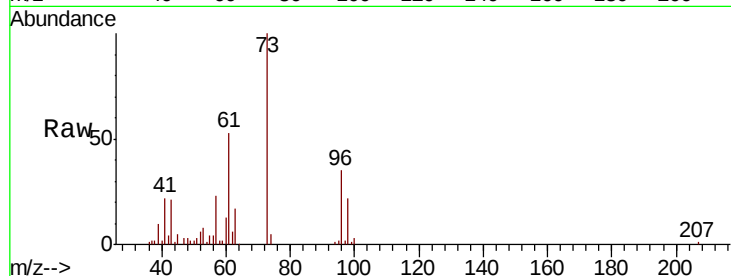




#19
Methyl tert-butyl Ether
Concen: 17.854 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

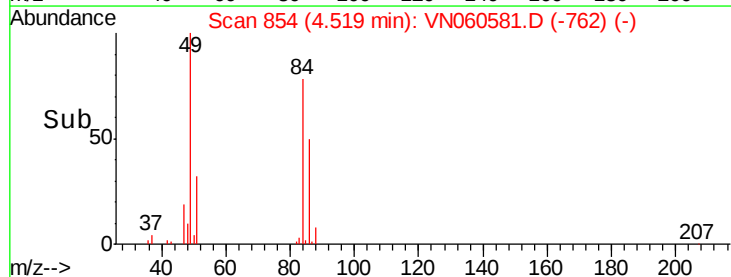
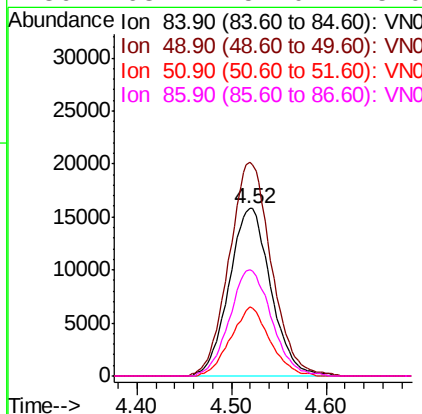
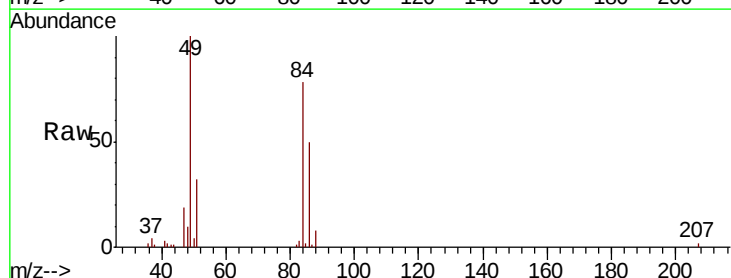
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

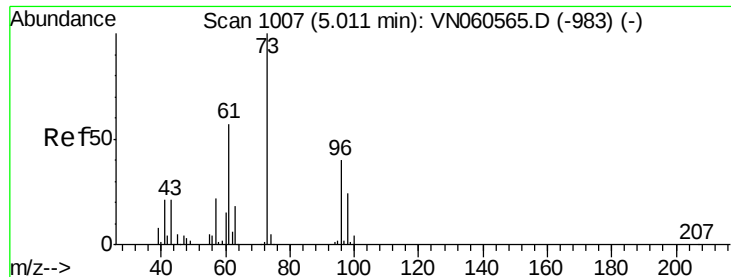
Tot Ion: 73 Resp: 147622
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3



#20
Methylene Chloride
Concen: 18.244 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 84 Resp: 48475
Ion Ratio Lower Upper
84 100
49 127.7 103.3 154.9
51 41.4 31.6 47.4
86 63.4 52.0 78.0

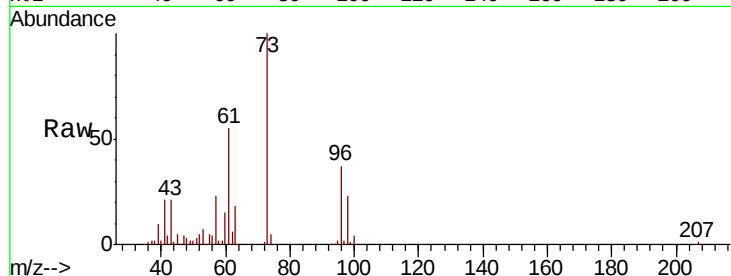




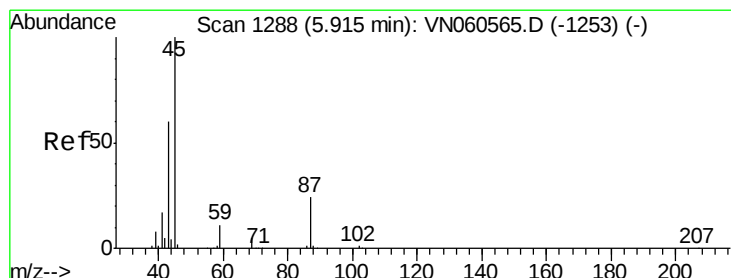
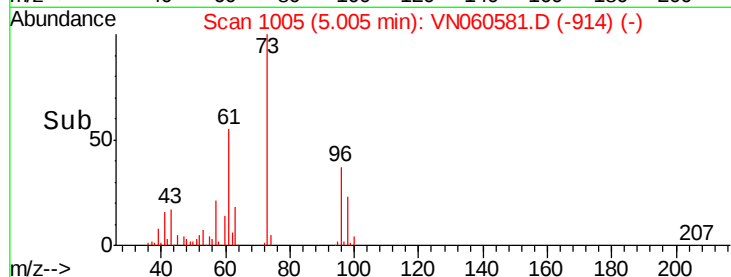
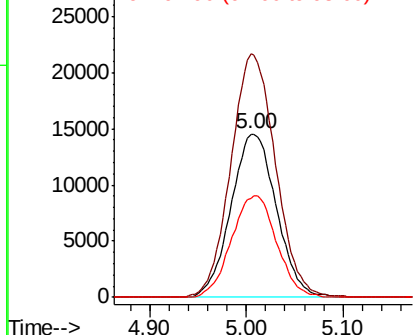
#21
trans-1,2-Dichloroethene
Concen: 18.516 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion: 96 Resp: 47459
Ion Ratio Lower Upper
96 100
61 147.7 114.4 171.6
98 60.7 48.4 72.6

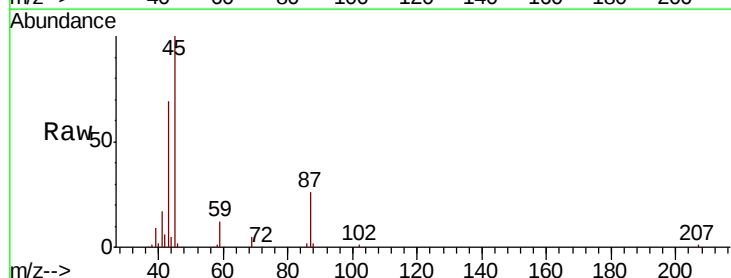


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

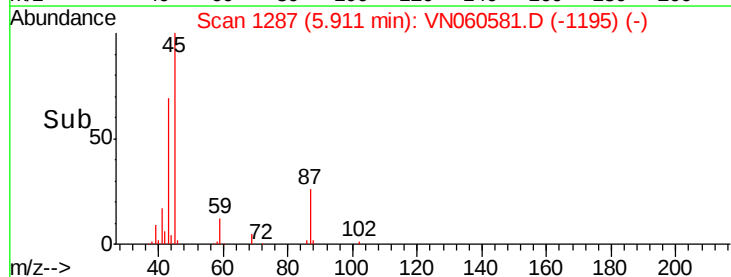
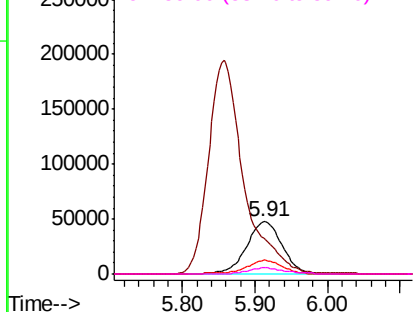


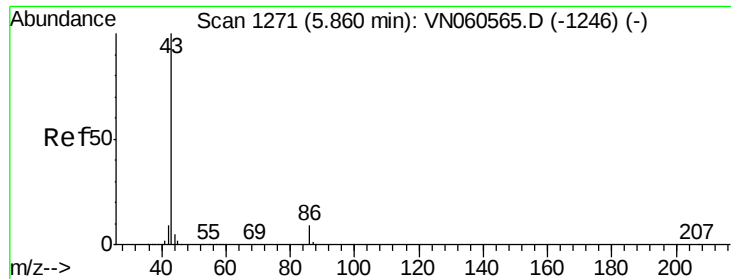
#22
Diisopropyl ether
Concen: 18.224 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 45 Resp: 162855
Ion Ratio Lower Upper
45 100
43 67.3 49.8 74.8
87 25.9 20.1 30.1
59 11.8 9.2 13.8



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

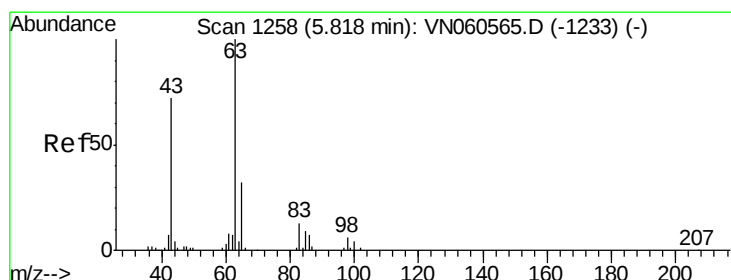
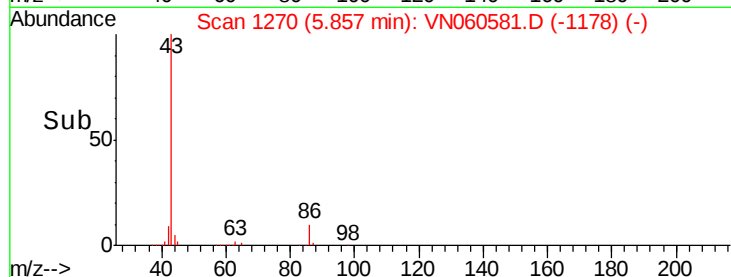
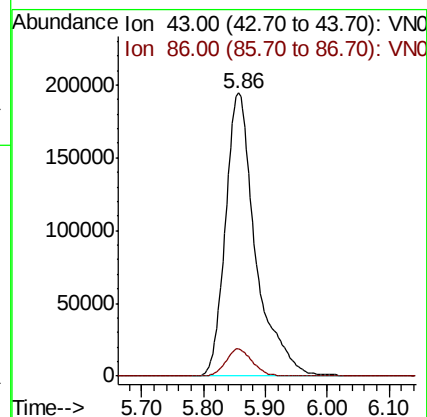
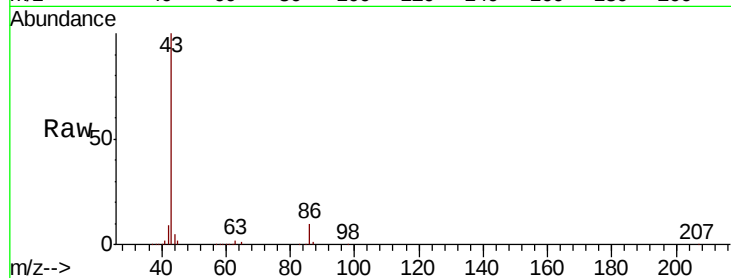




#23
 Vinyl Acetate
 Concen: 90.239 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

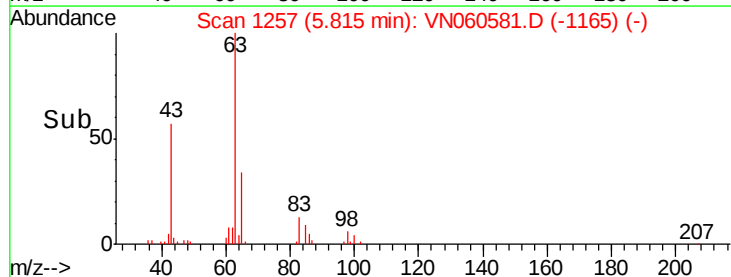
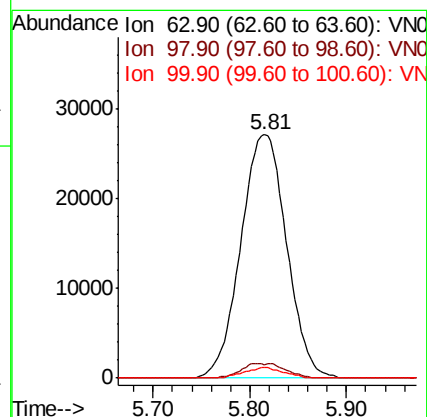
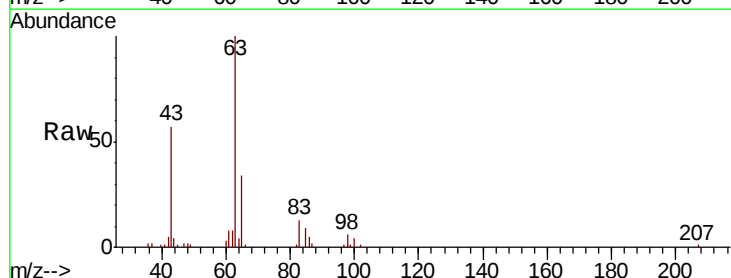
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

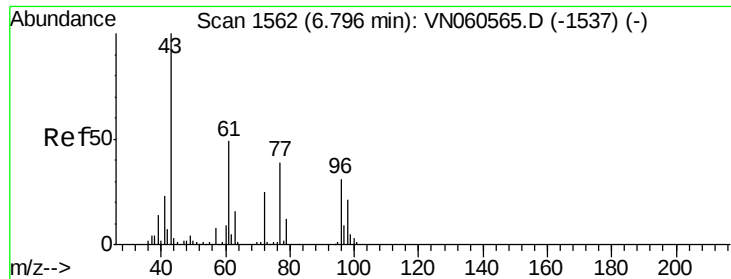
Tot Ion: 43 Resp: 657945
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 18.288 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion: 63 Resp: 89093
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.9 8.7
 100 4.5 1.8 5.5

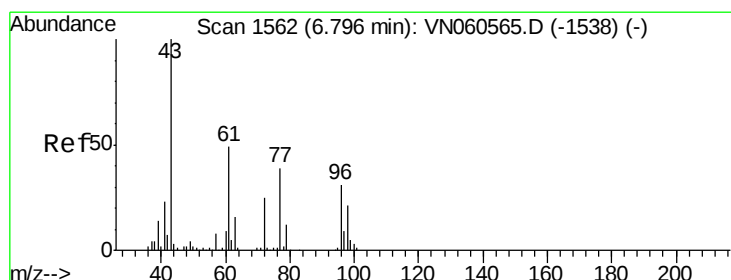
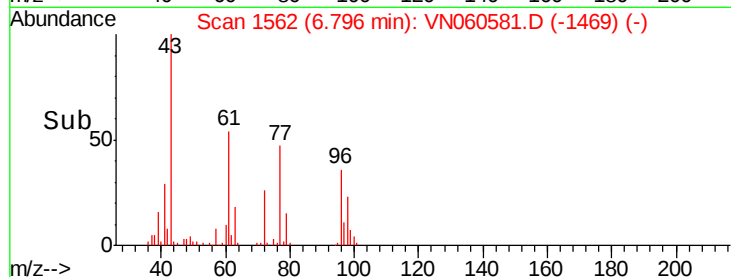
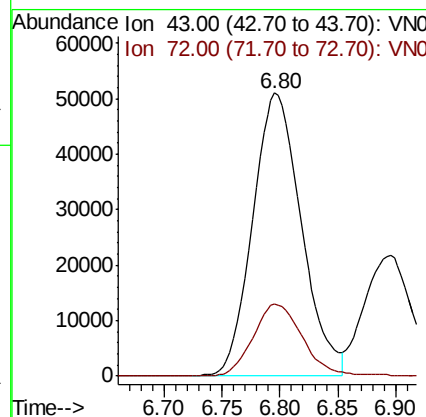
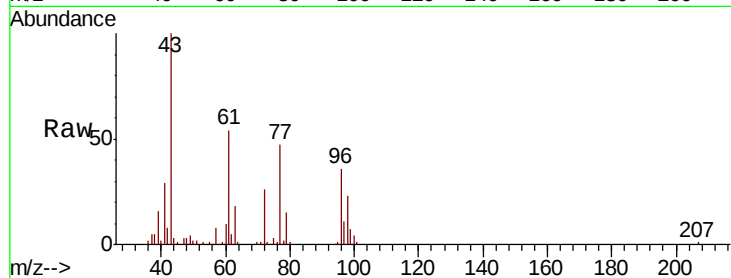




#25
 2-Butanone
 Concen: 85.259 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

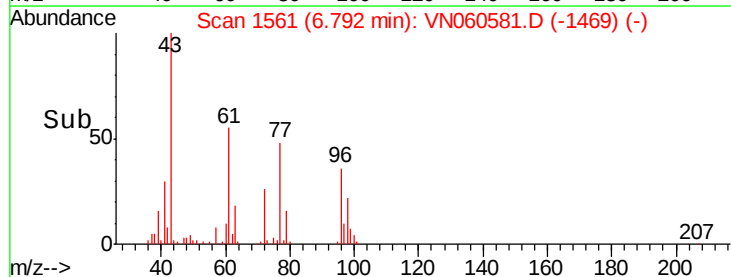
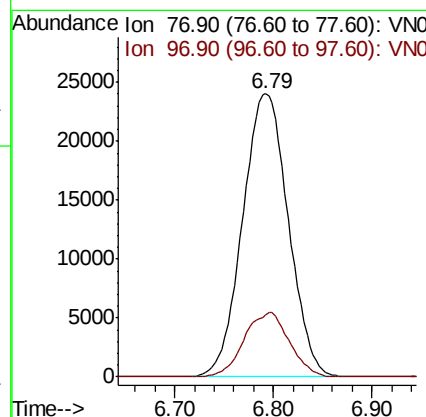
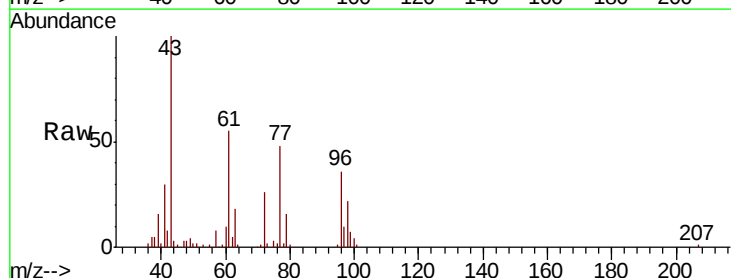
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

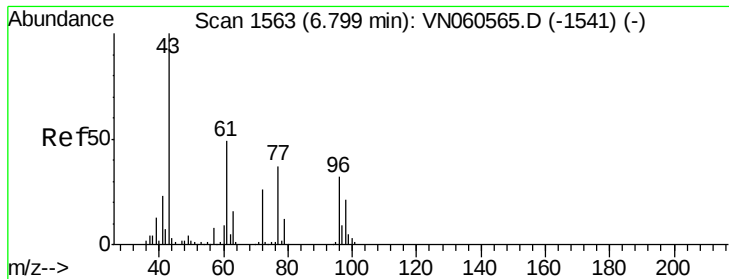
Tot Ion: 43 Resp: 149017
 Ion Ratio Lower Upper
 43 100
 72 25.6 20.4 30.6



#26
 2,2-Dichloropropane
 Concen: 20.107 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion: 77 Resp: 77067
 Ion Ratio Lower Upper
 77 100
 97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.054 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

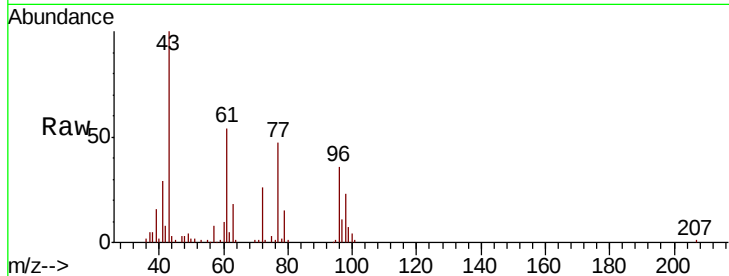
Tot Ion: 96 Resp: 52585

Ion Ratio Lower Upper

96 100

61 154.7 0.0 305.6

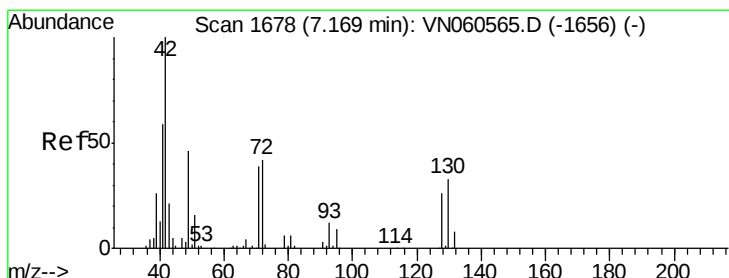
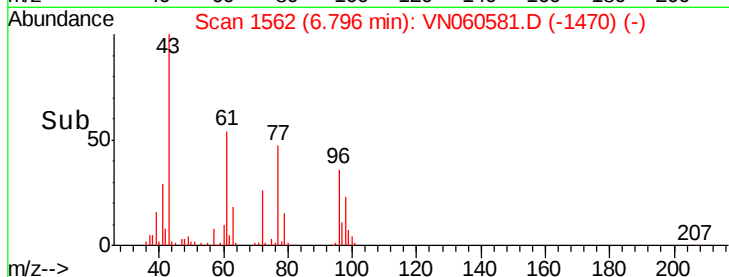
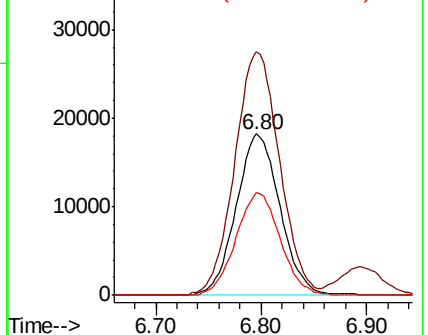
98 64.2 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.025 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

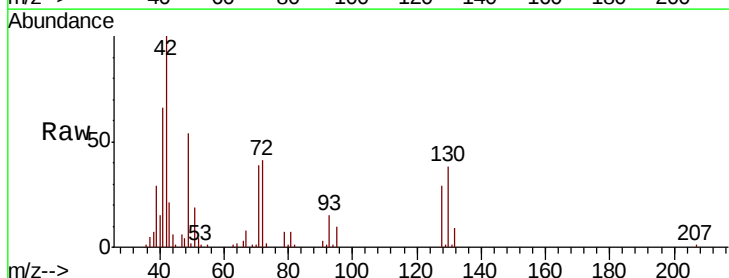
Tgt Ion: 49 Resp: 42011

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

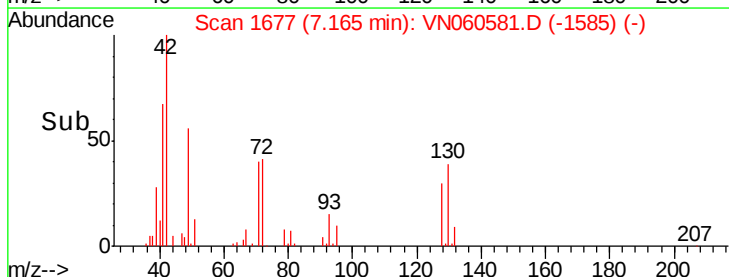
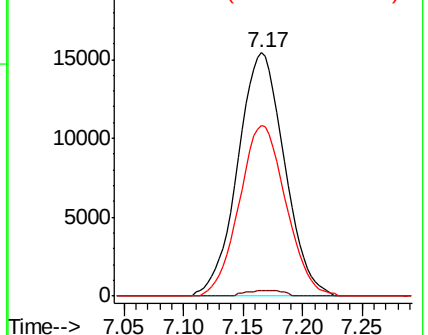
130 70.0 55.0 82.4

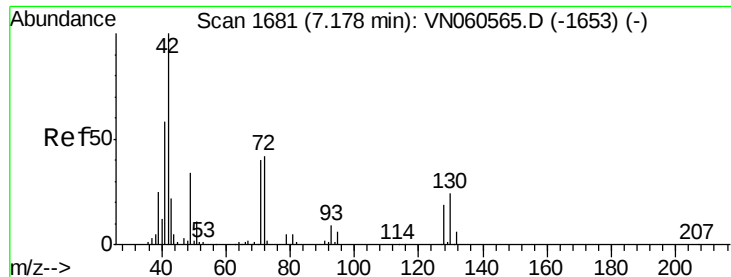


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

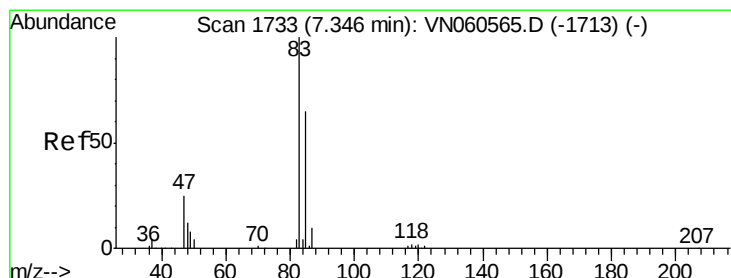
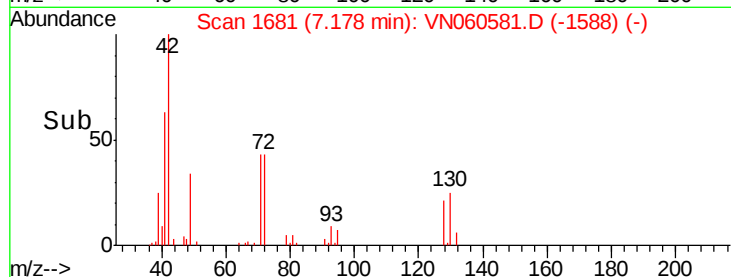
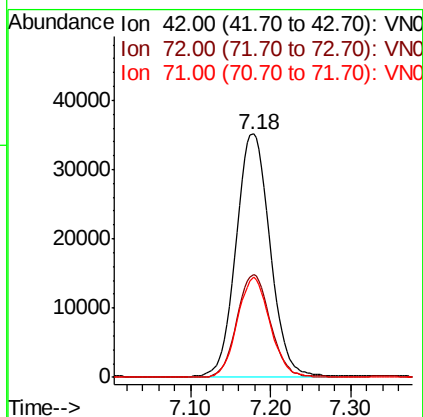
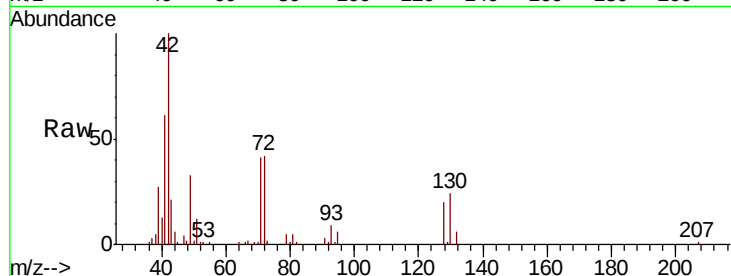




#29
Tetrahydrofuran
Concen: 82.298 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

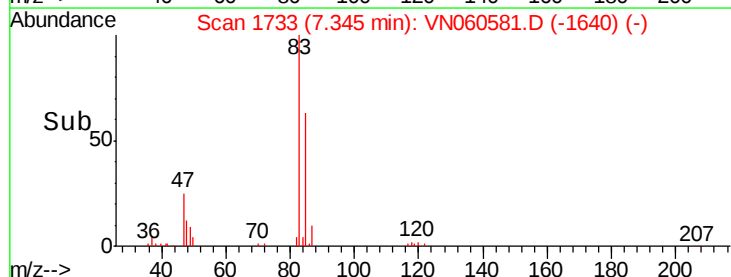
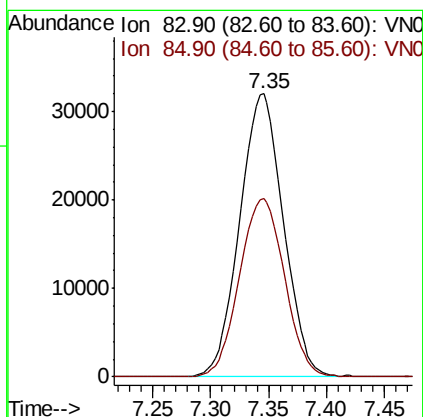
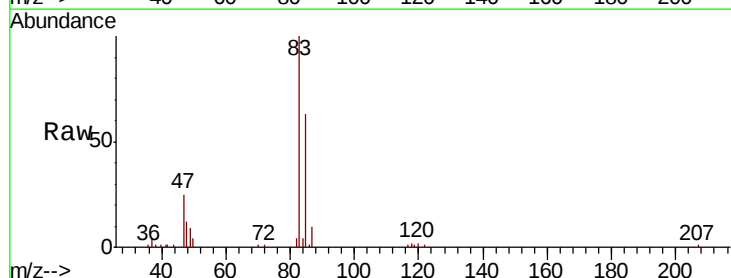
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

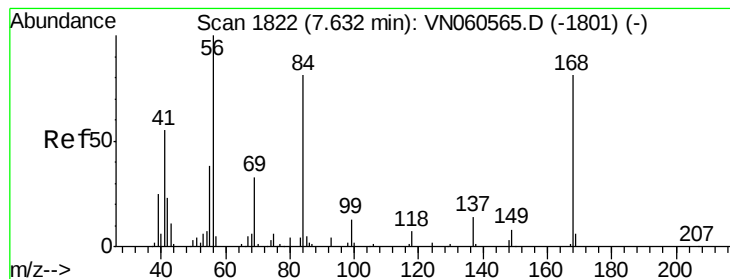
Tot Ion: 42 Resp: 101774
Ion Ratio Lower Upper
42 100
72 41.2 33.2 49.8
71 39.1 31.1 46.7



#30
Chloroform
Concen: 17.983 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 83 Resp: 83985
Ion Ratio Lower Upper
83 100
85 63.2 51.8 77.8





#31

Cyclohexane

Concen: 17.971 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS01

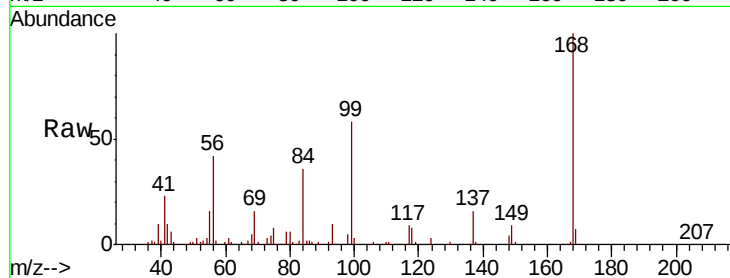
Tot Ion: 56 Resp: 88261

Ion Ratio Lower Upper

56 100

69 37.3 26.6 40.0

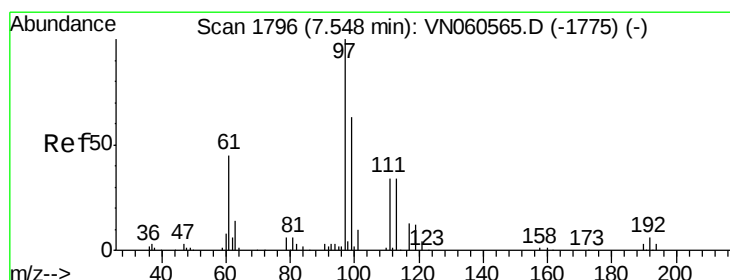
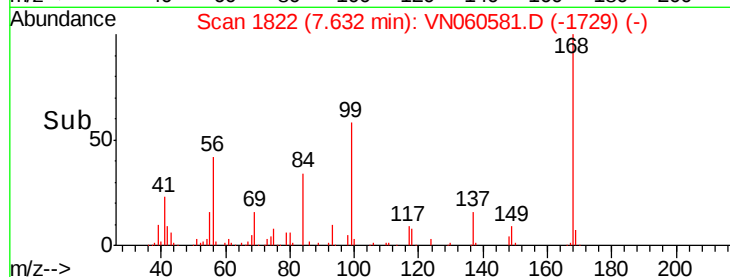
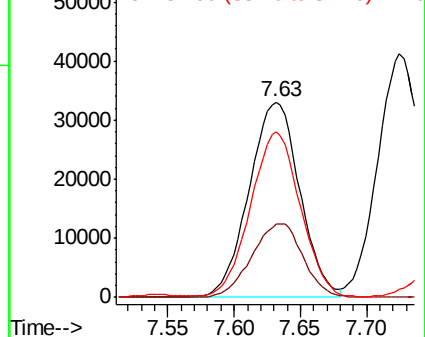
84 84.2 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.441 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

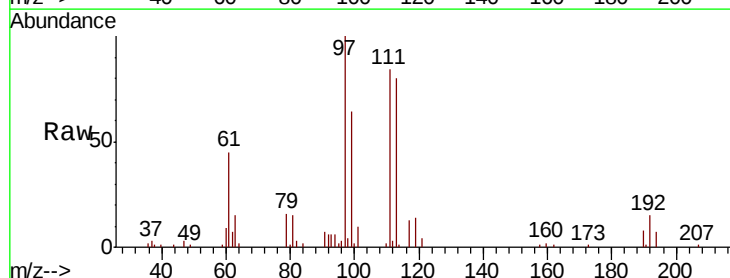
Tgt Ion: 97 Resp: 74243

Ion Ratio Lower Upper

97 100

99 63.7 50.6 75.8

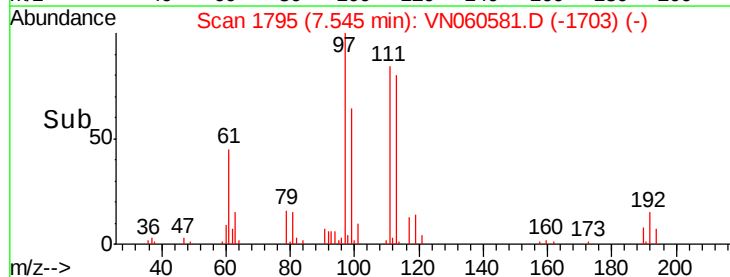
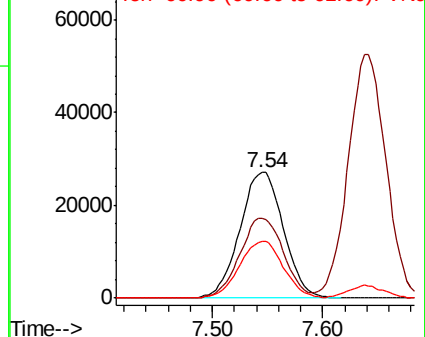
61 45.6 36.2 54.4

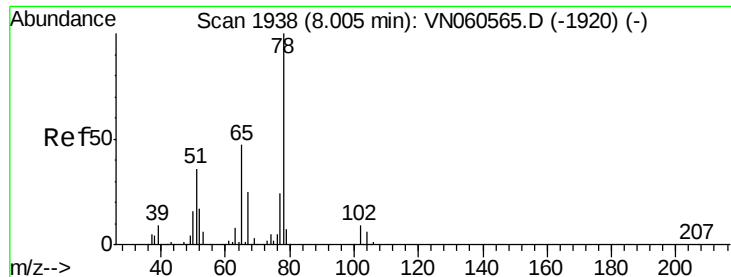


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

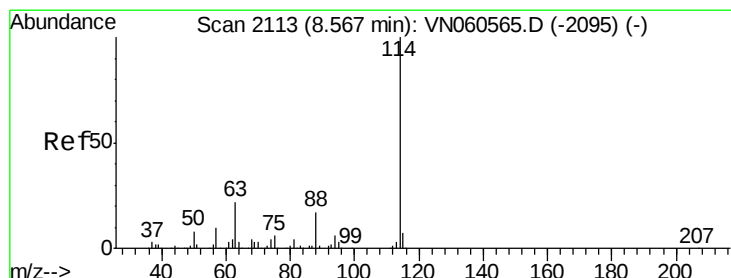
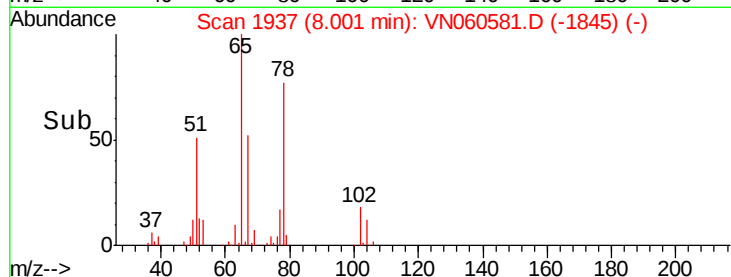
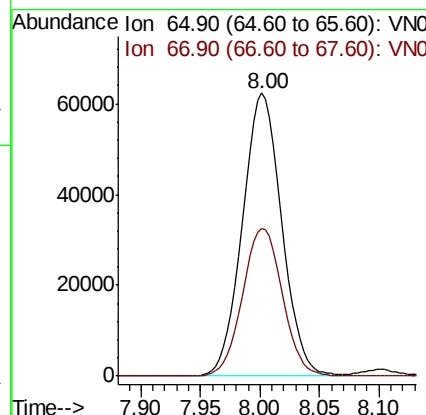
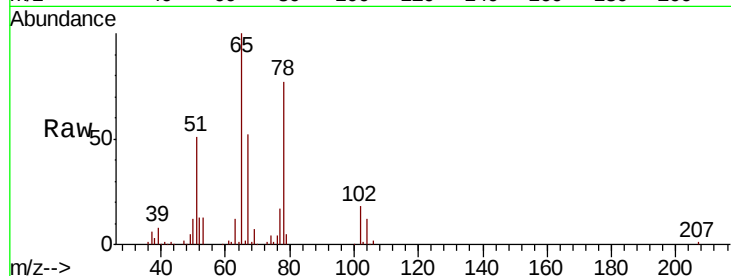




#33
 1,2-Dichloroethane-d4
 Concen: 46.836 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

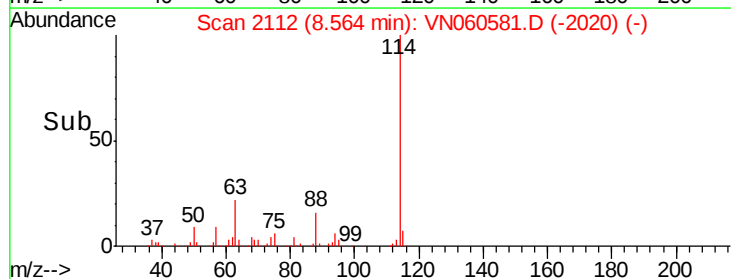
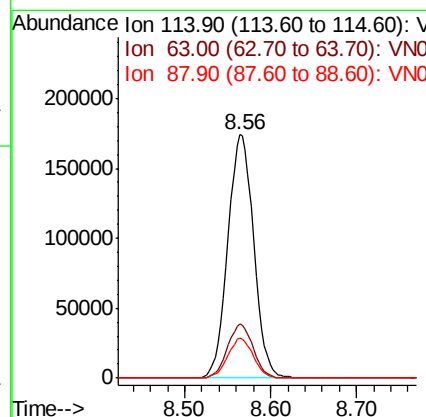
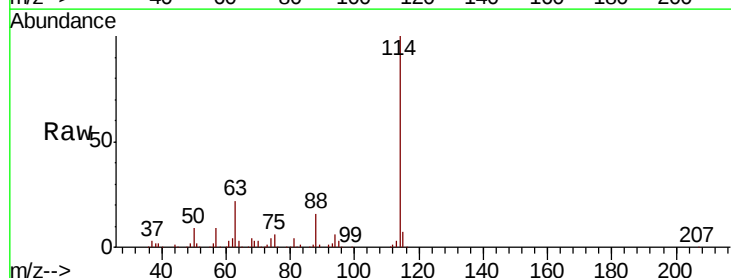
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

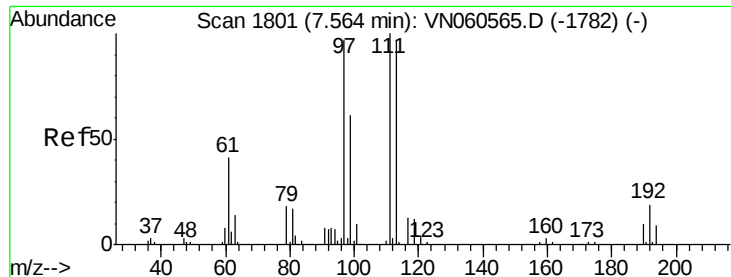
Tot Ion: 65 Resp: 142816
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion: 114 Resp: 363652
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.5 0.0 33.0

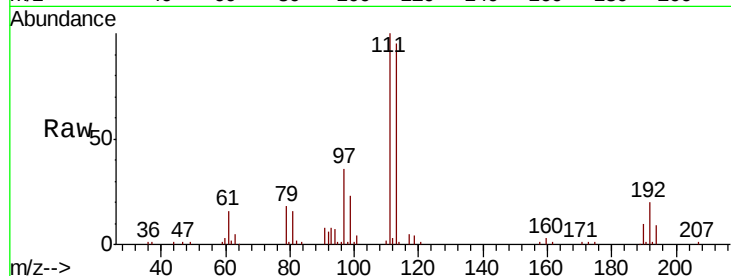




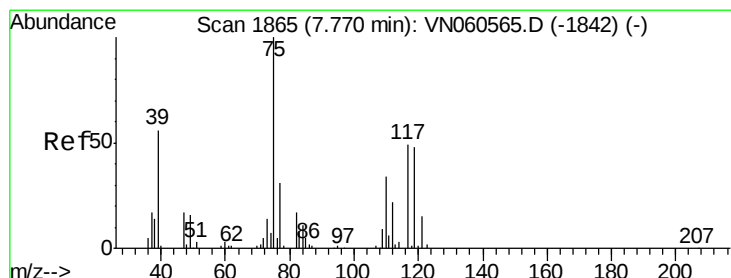
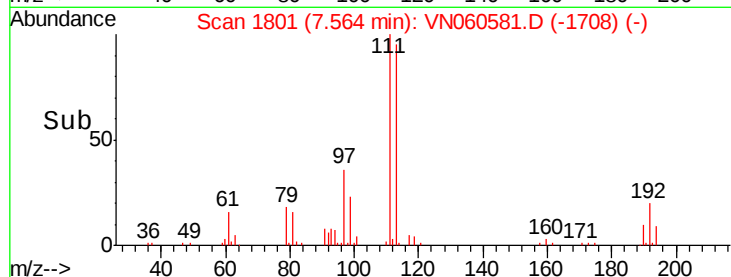
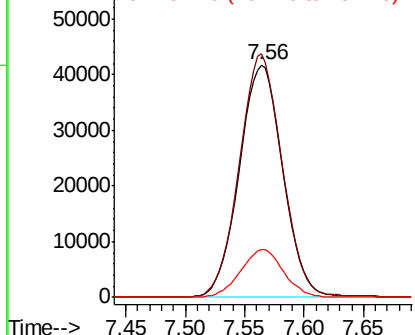
#35
 Dibromofluoromethane
 Concen: 48.079 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	20.3	15.8	23.8

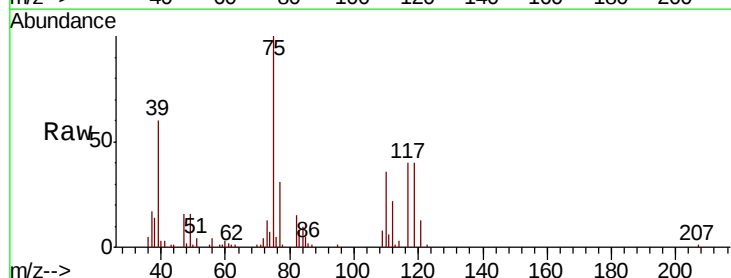


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

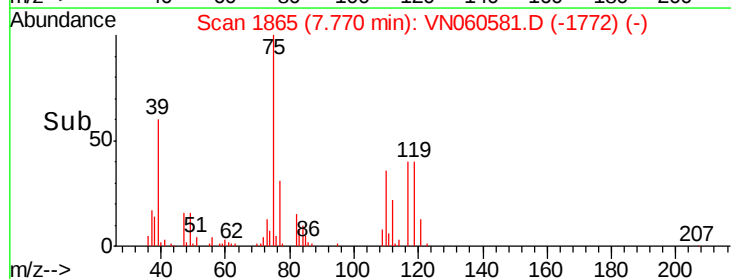
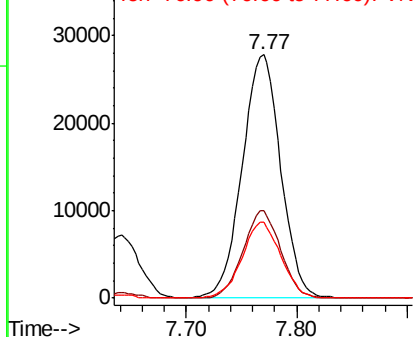


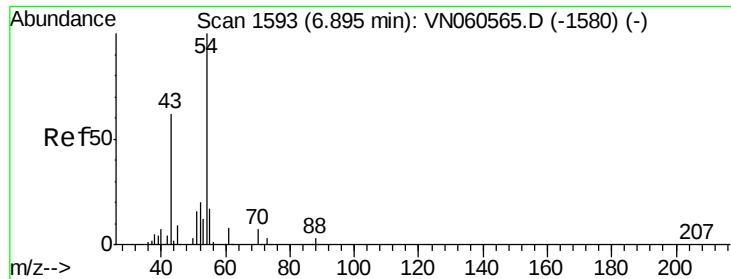
#36
 1,1-Dichloropropene
 Concen: 19.106 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.9	50.6
77	31.3	24.6	36.8



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

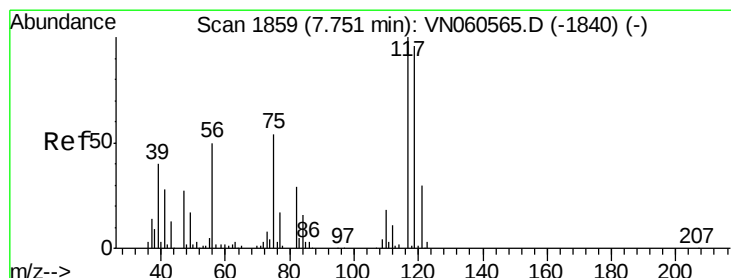
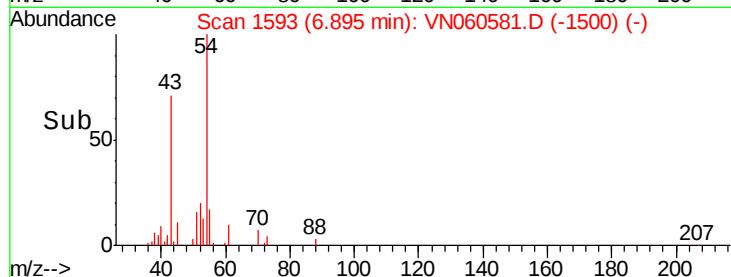
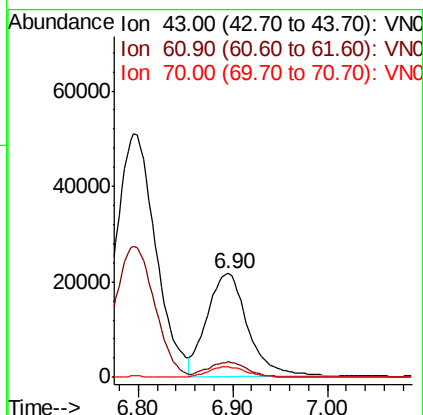
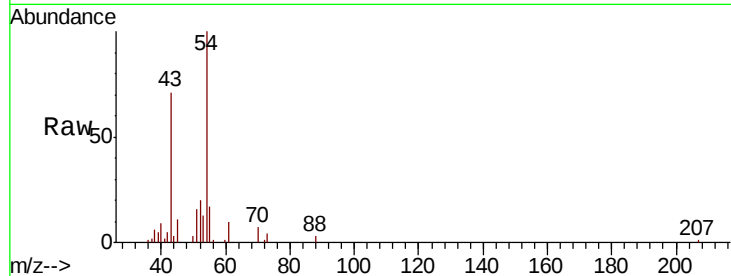




#37
Ethyl Acetate
Concen: 17.041 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

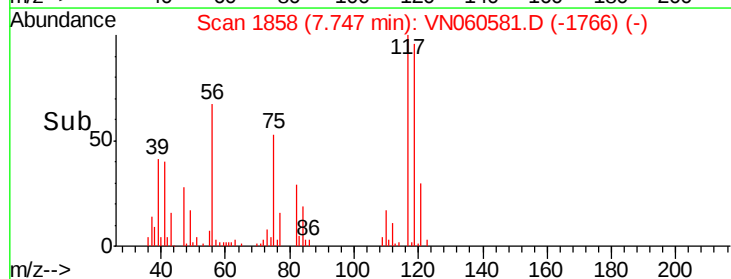
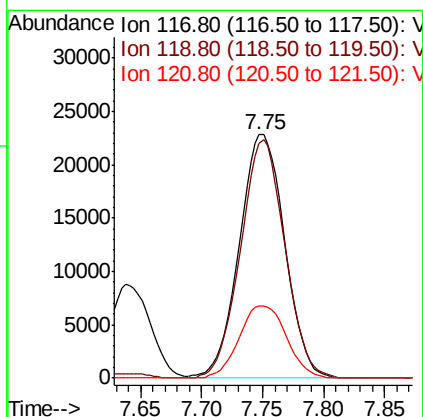
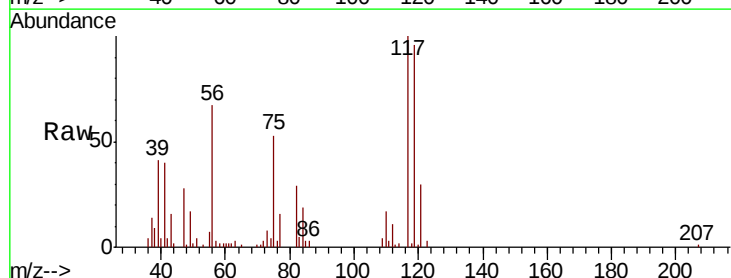
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

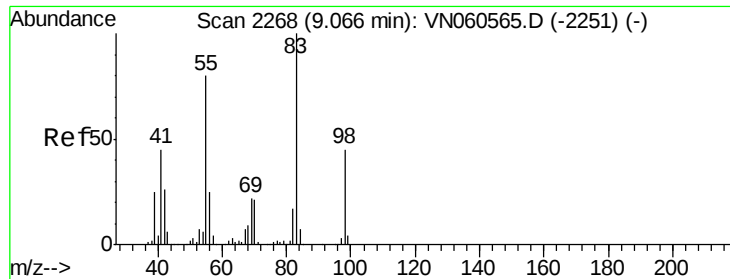
Tot Ion: 43 Resp: 64838
Ion Ratio Lower Upper
43 100
61 14.6 10.6 15.8
70 9.7 7.9 11.9



#38
Carbon Tetrachloride
Concen: 18.628 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 117 Resp: 58789
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.2
121 29.8 23.7 35.5

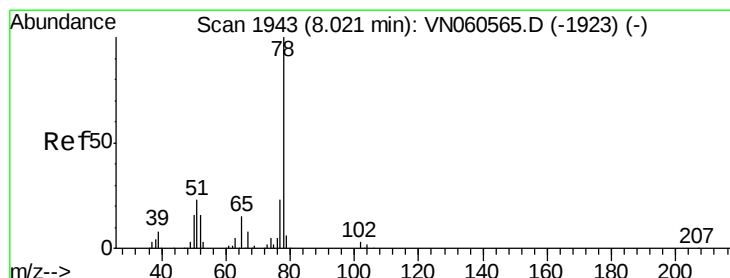
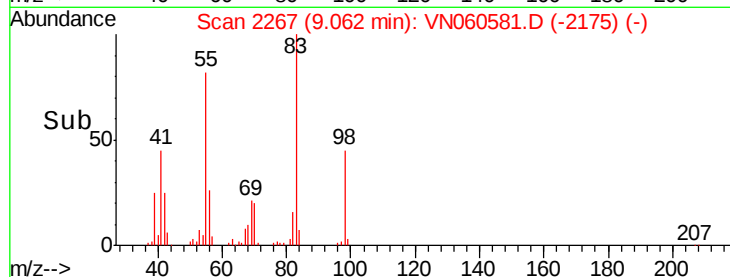
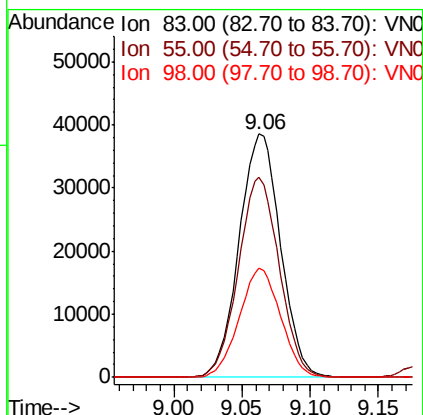
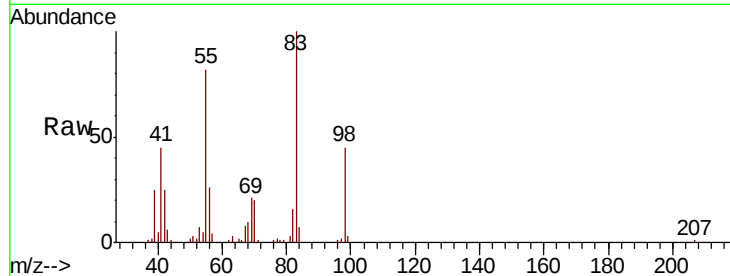




#39
Methvlcvclohexane
Concen: 19.427 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

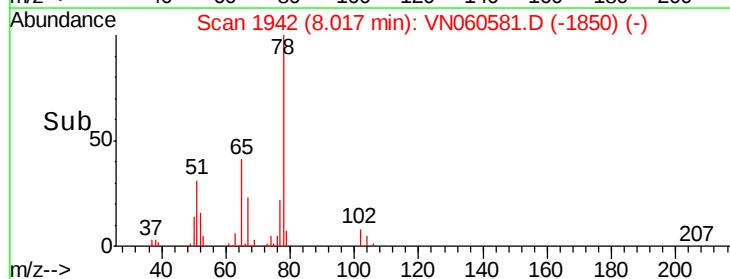
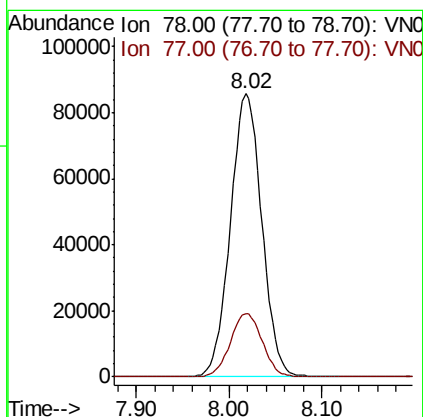
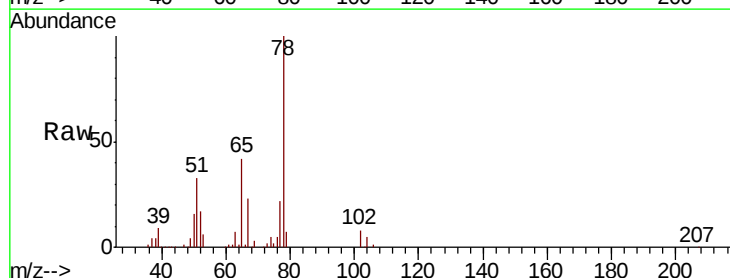
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

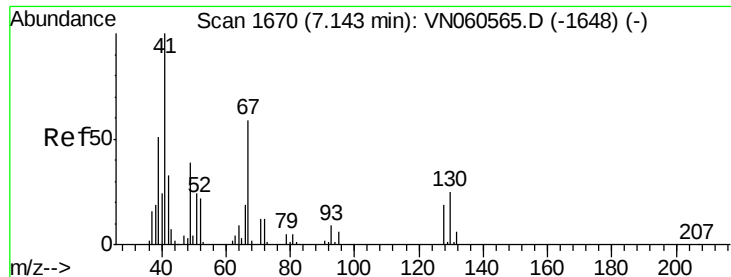
Tot Ion: 83 Resp: 81296
Ion Ratio Lower Upper
83 100
55 82.4 63.6 95.4
98 44.6 36.0 54.0



#40
Benzene
Concen: 18.930 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 78 Resp: 201224
Ion Ratio Lower Upper
78 100
77 22.5 18.6 28.0

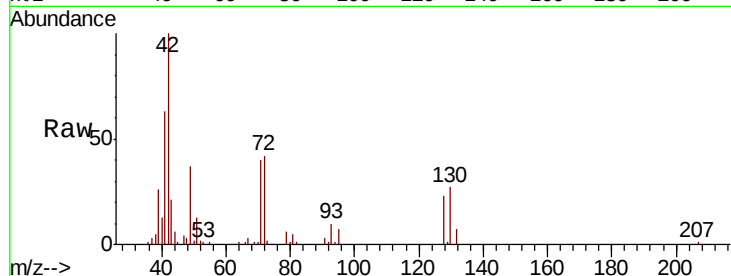




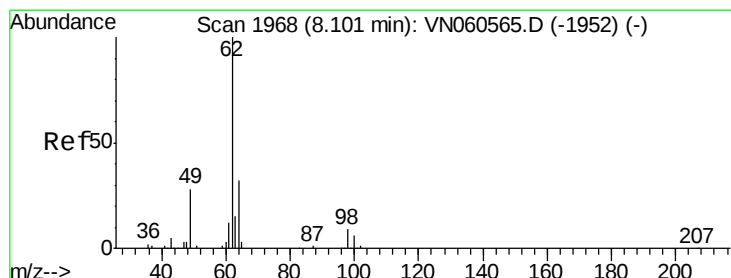
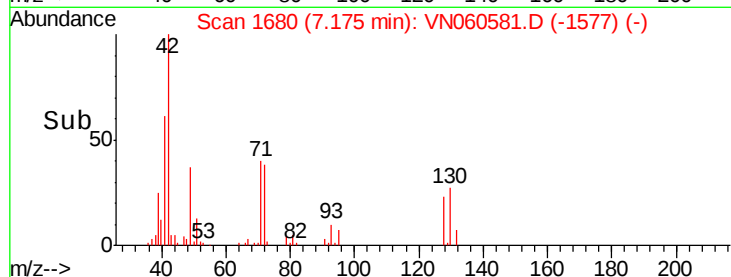
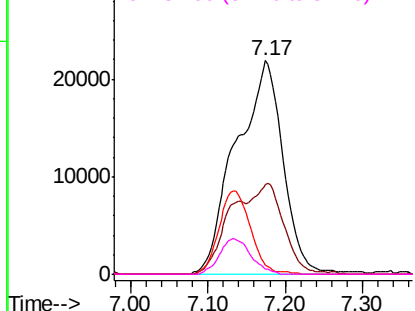
#41
Methacrylonitrile
Concen: 56.937 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion:	41	Resp:	92453
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

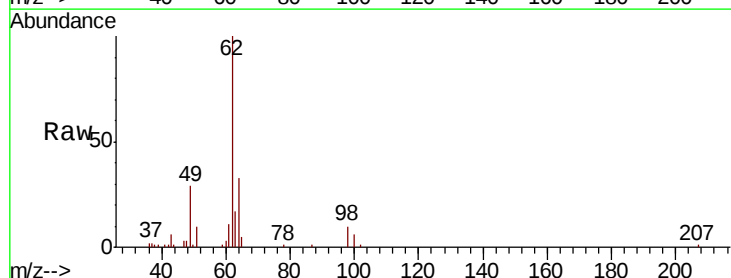


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

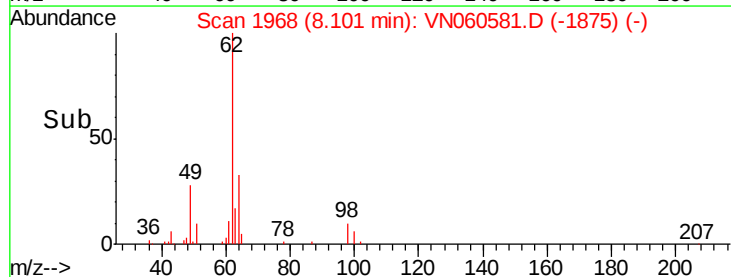
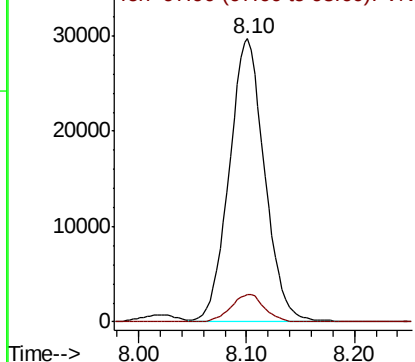


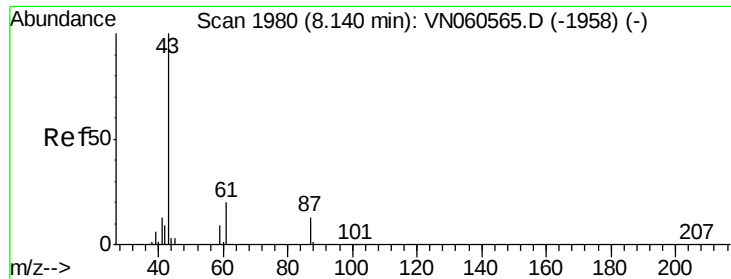
#42
1,2-Dichloroethane
Concen: 18.704 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion:	62	Resp:	67949
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8



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

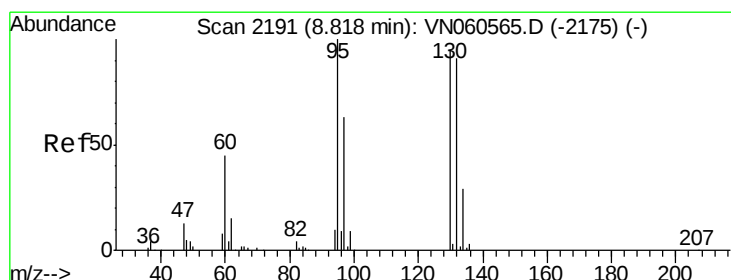
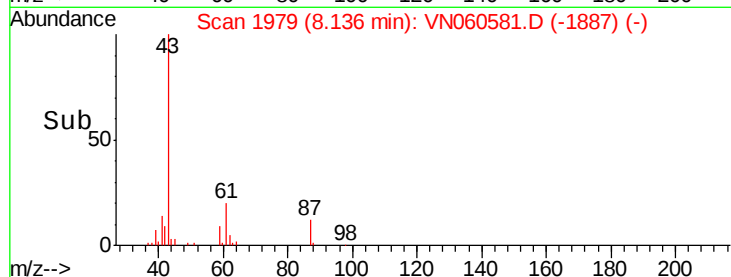
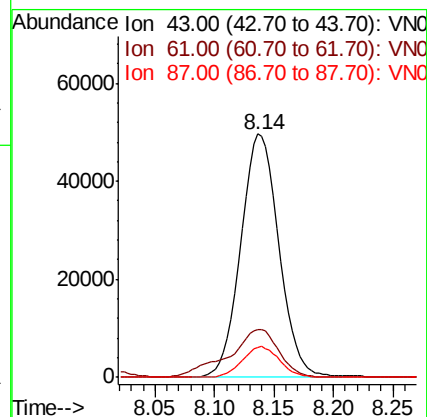
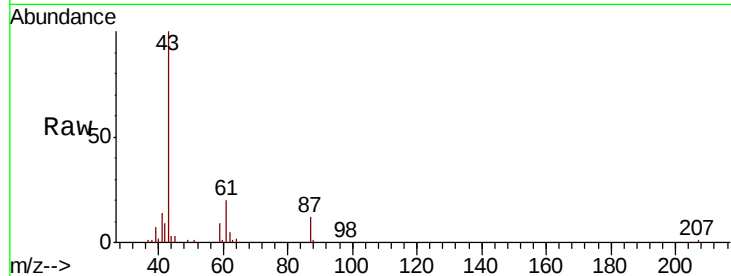




#43
Isopropyl Acetate
Concen: 17.574 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

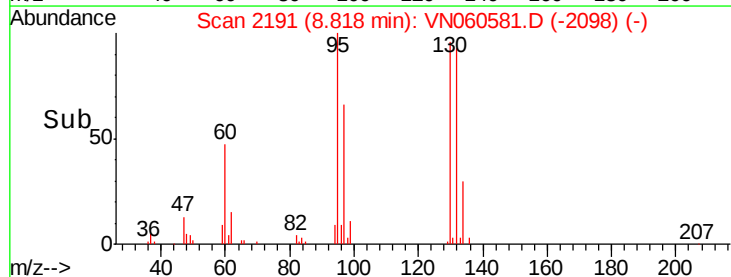
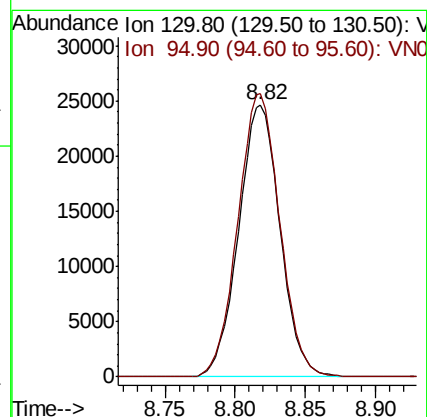
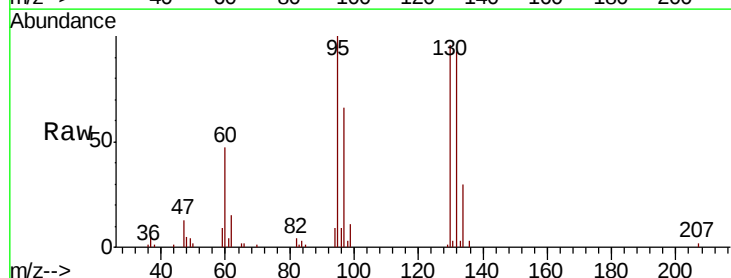
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

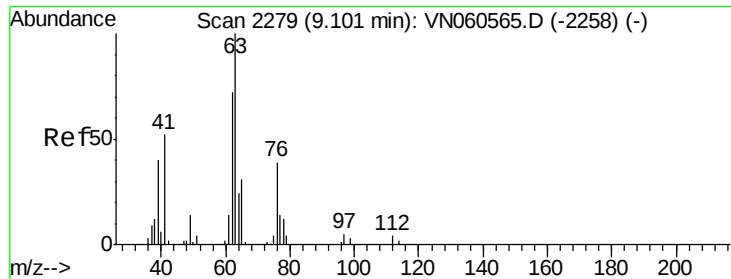
Tot Ion: 43 Resp: 110276
Ion Ratio Lower Upper
43 100
61 25.9 20.7 31.1
87 12.4 9.8 14.8



#44
Trichloroethene
Concen: 18.927 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion:130 Resp: 50719
Ion Ratio Lower Upper
130 100
95 104.0 0.0 211.2





#45

1,2-Dichloropropane

Concen: 18.975 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

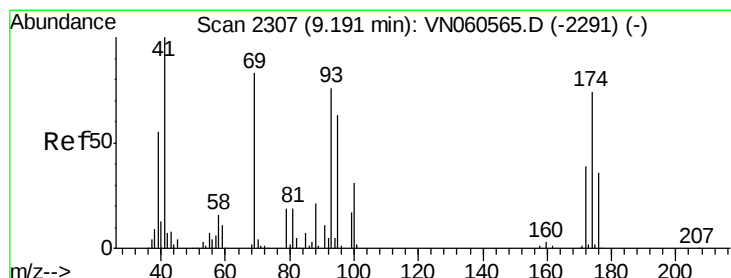
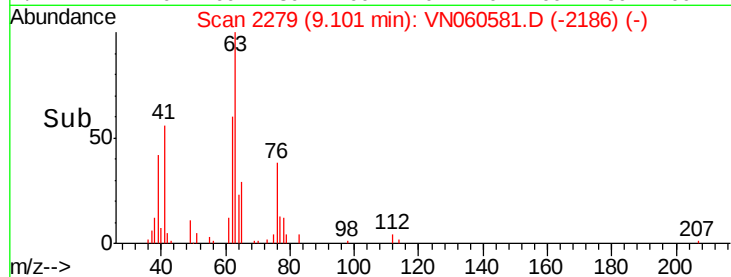
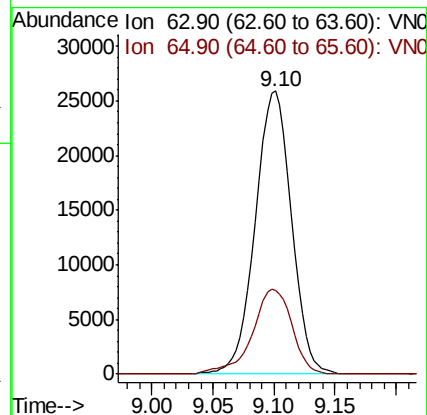
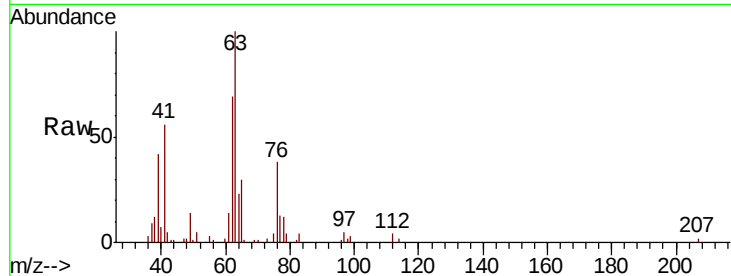
VN0318WBS01

Tot Ion: 63 Resp: 53224

Ion Ratio Lower Upper

63 100

65 29.7 25.4 38.0



#46

Dibromomethane

Concen: 18.497 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

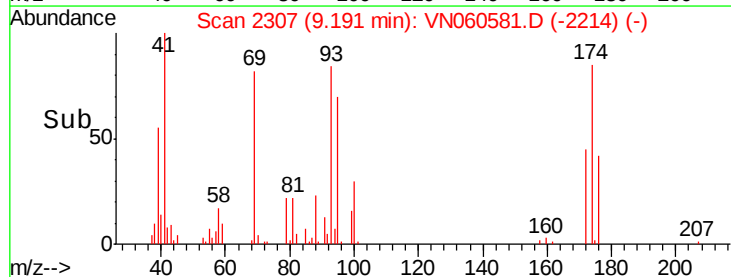
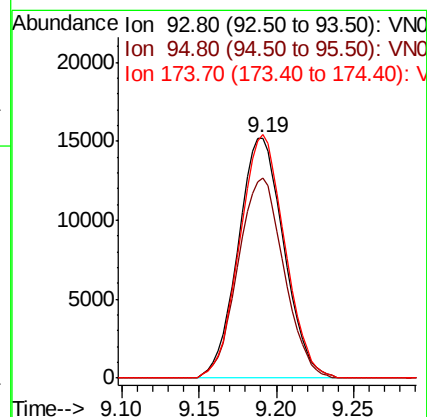
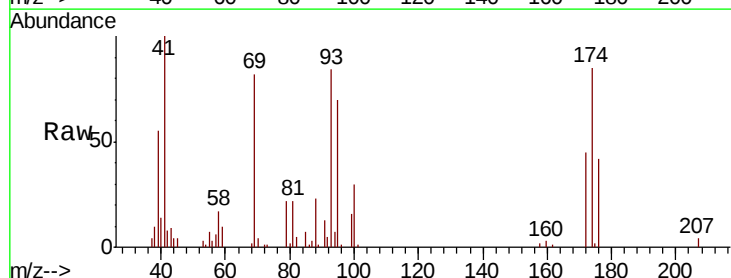
Tgt Ion: 93 Resp: 31366

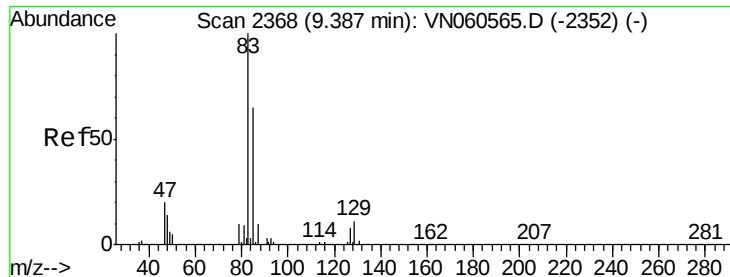
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 99.9 77.9 116.9





#47

Bromodichloromethane

Concen: 18.454 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

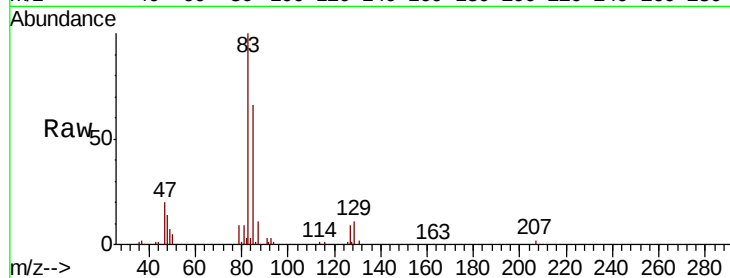
Tot Ion: 83 Resp: 65028

Ion Ratio Lower Upper

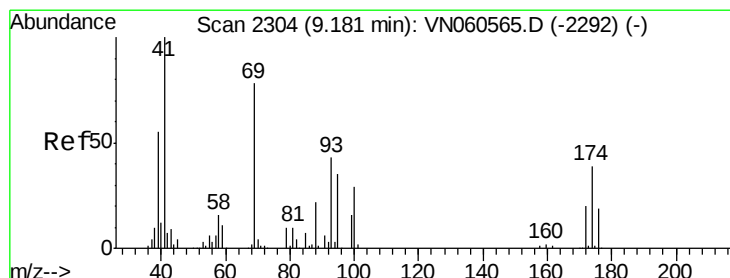
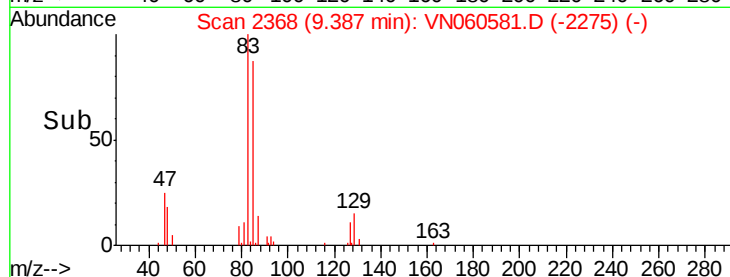
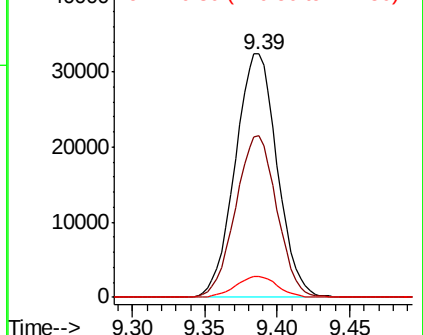
83 100

85 66.2 51.8 77.6

127 8.5 6.5 9.7



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: 16.935 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

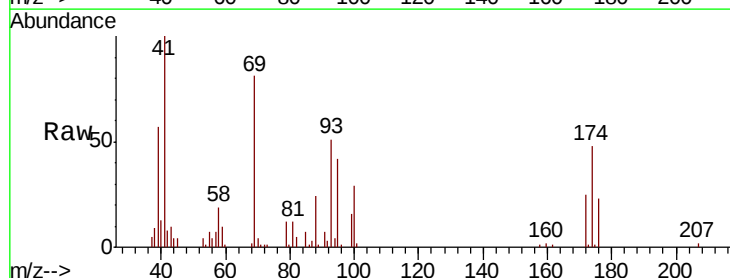
Tgt Ion: 41 Resp: 47312

Ion Ratio Lower Upper

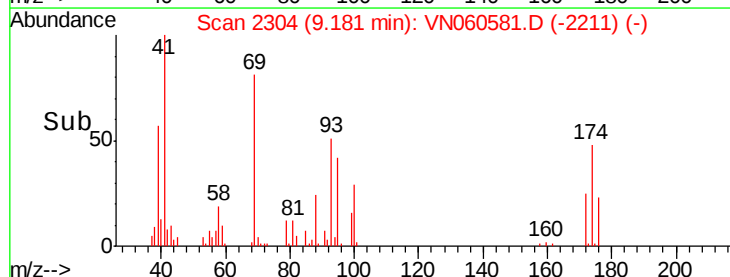
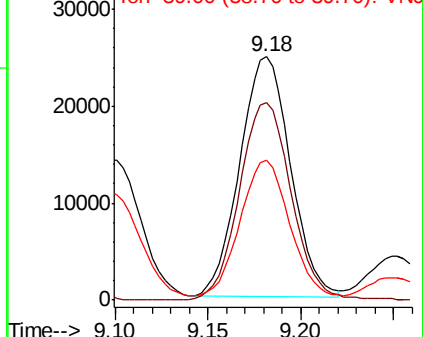
41 100

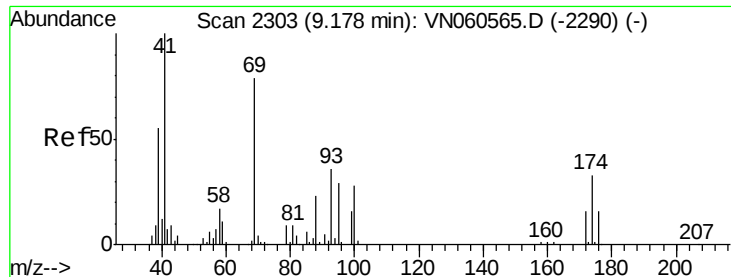
69 84.2 65.4 98.0

39 55.2 44.0 66.0



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

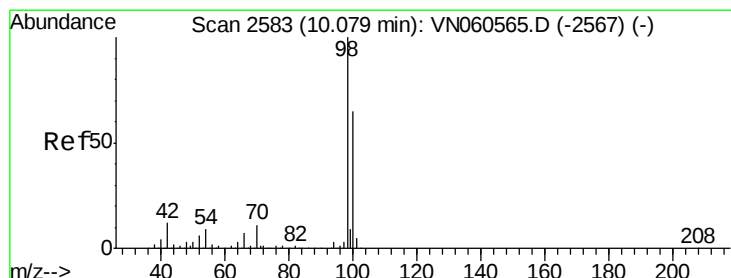
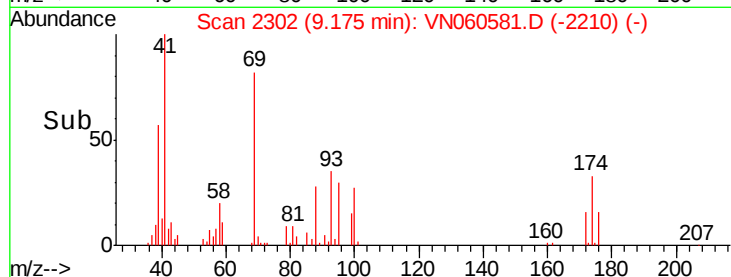
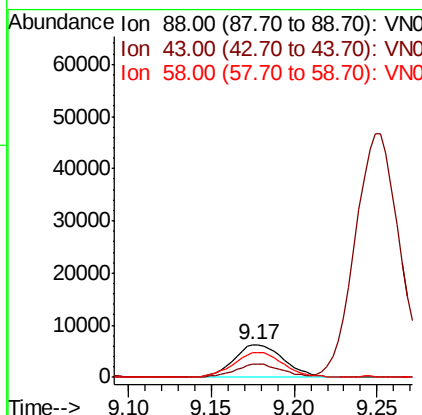
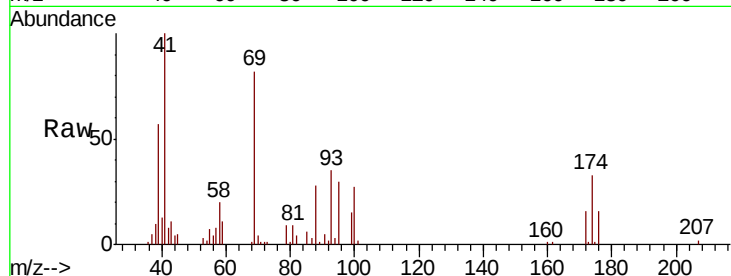




#49
1,4-Dioxane
Concen: 393.802 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

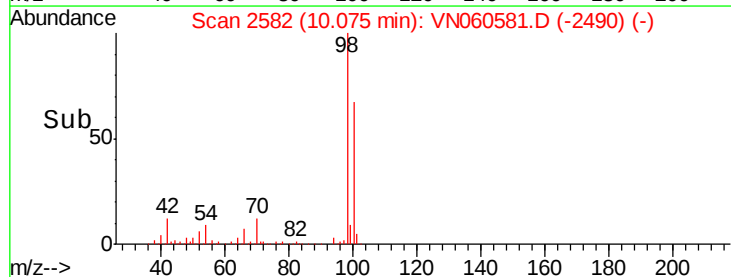
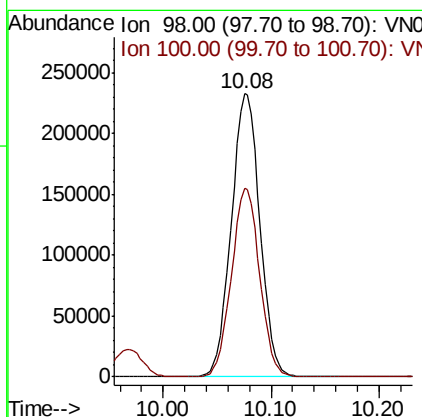
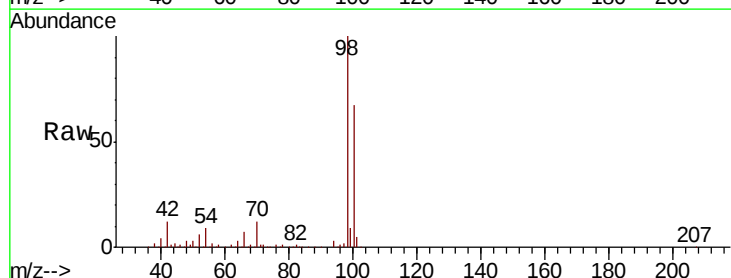
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

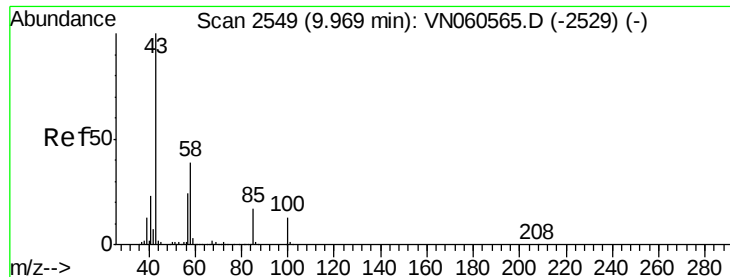
Tot Ion: 88 Resp: 13077
Ion Ratio Lower Upper
88 100
43 38.0 30.8 46.2
58 75.7 59.8 89.8



#50
Toluene-d8
Concen: 47.850 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 98 Resp: 429766
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 87.550 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

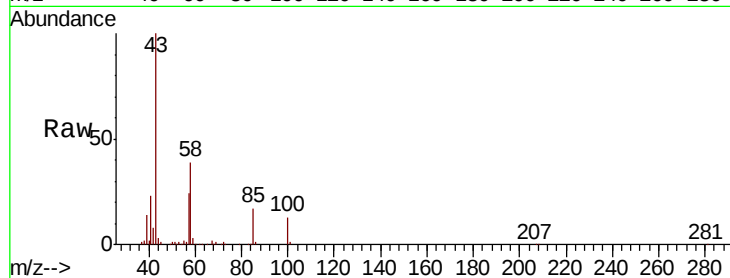
VN0318WBS01

Tot Ion: 43 Resp: 312615

Ion Ratio Lower Upper

43 100

58 38.9 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

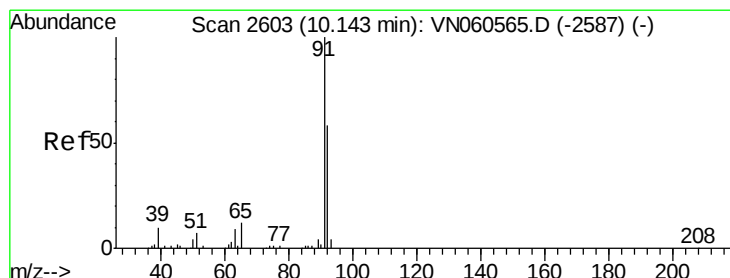
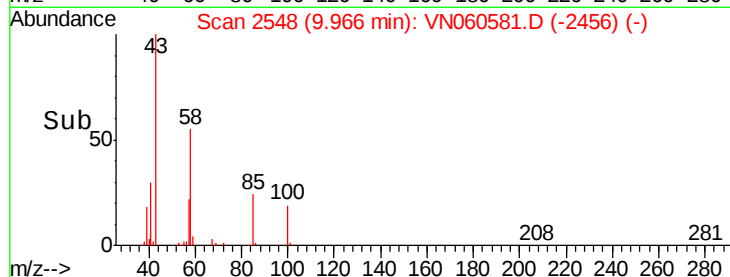
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.860 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060581.D

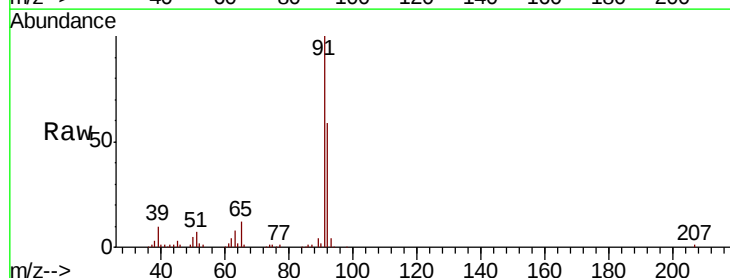
Acq: 18 Mar 2020 10:58

Tgt Ion: 92 Resp: 121078

Ion Ratio Lower Upper

92 100

91 172.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

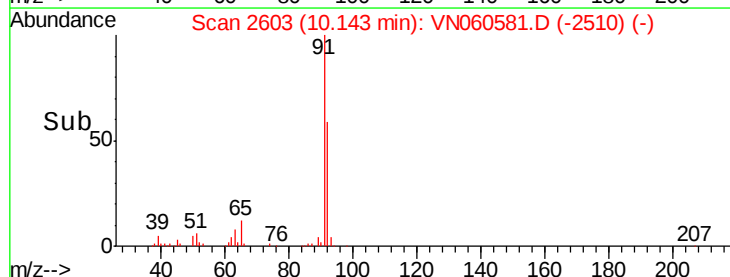
10.14

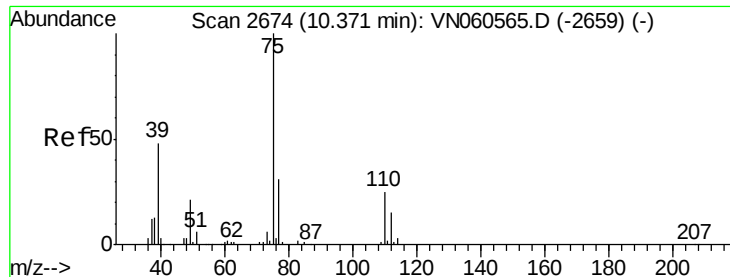
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.978 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

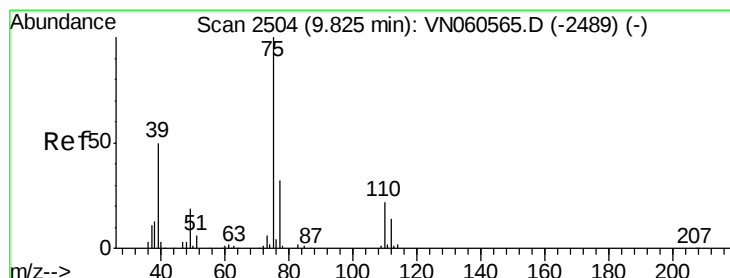
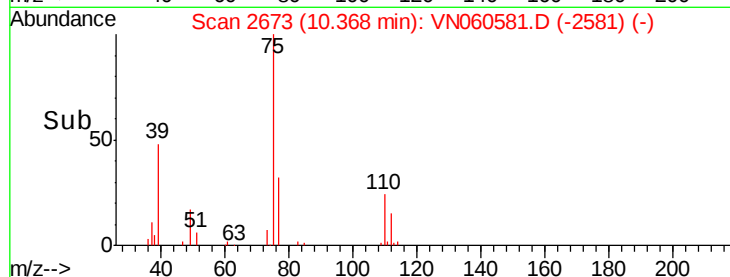
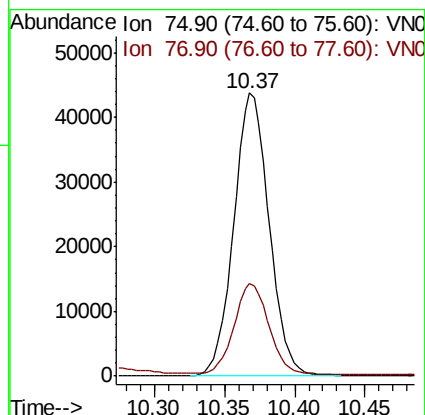
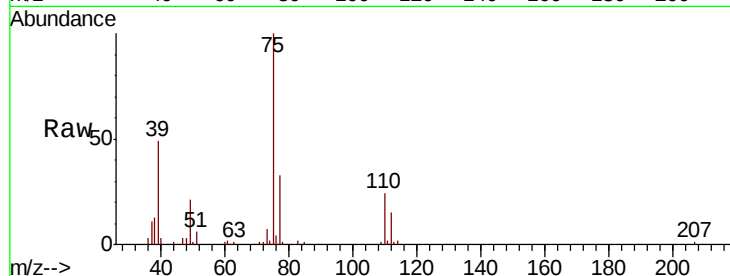
VN0318WBS01

Tot Ion: 75 Resp: 76814

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 18.996 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

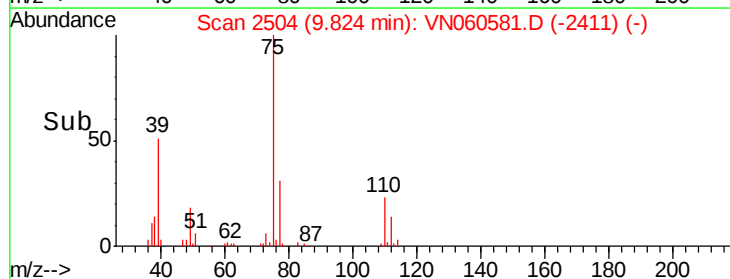
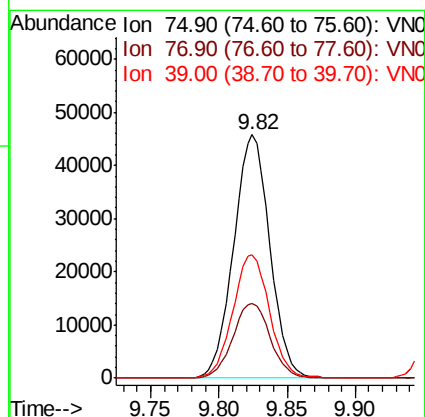
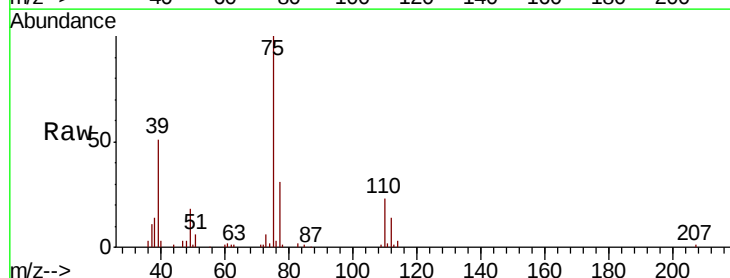
Tgt Ion: 75 Resp: 84351

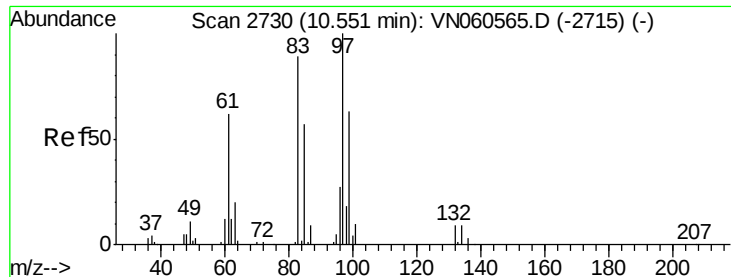
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 50.6 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 18.434 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

Tot Ion: 97 Resp: 45527

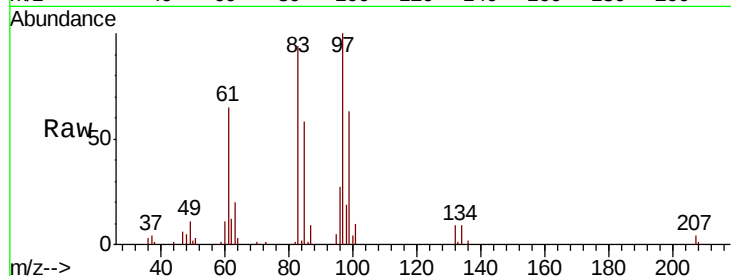
Ion Ratio Lower Upper

97 100

83 94.1 71.3 106.9

85 57.9 45.2 67.8

99 62.8 50.1 75.1

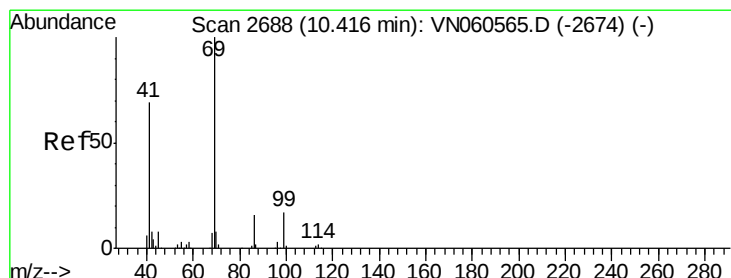
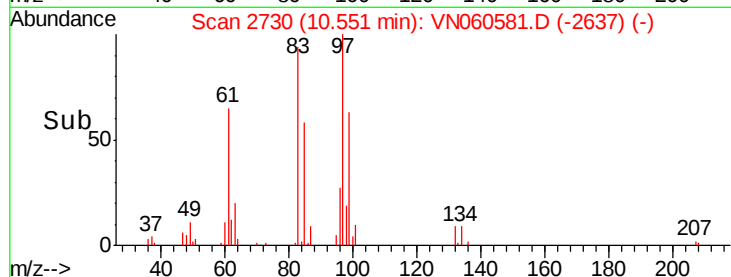
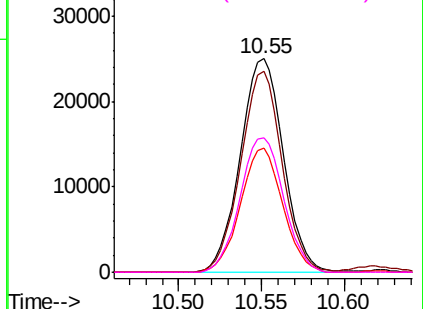


Abundance Ion 96.90 (96.60 to 97.60): VN060565.D (-2715) (-)

Ion 82.90 (82.60 to 83.60): VN060565.D (-2715) (-)

Ion 84.90 (84.60 to 85.60): VN060565.D (-2715) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-2715) (-)



#56

Ethyl methacrylate

Concen: 18.013 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

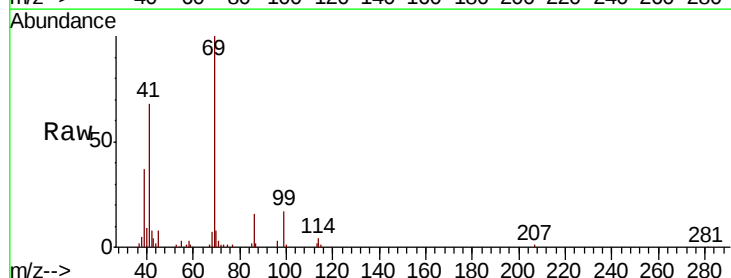
Tgt Ion: 69 Resp: 69365

Ion Ratio Lower Upper

69 100

41 68.1 55.4 83.2

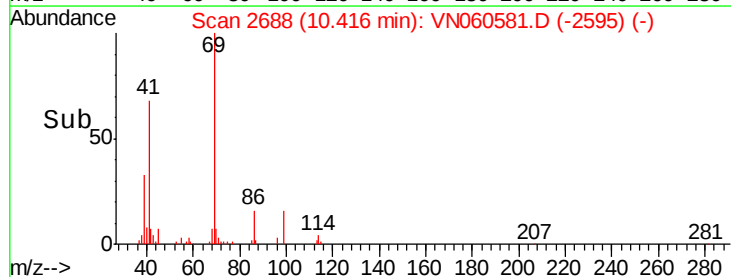
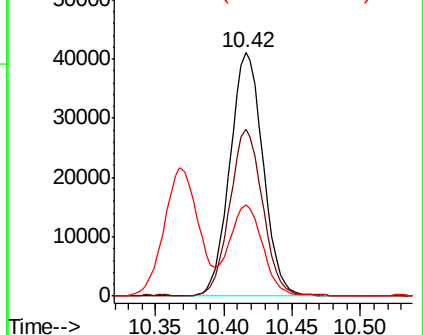
39 37.4 29.4 44.0

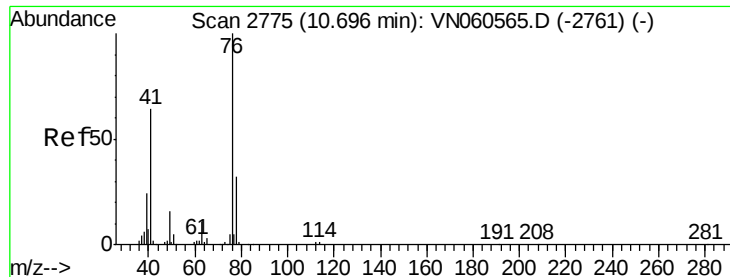


Abundance Ion 69.00 (68.70 to 69.70): VN060565.D (-2674) (-)

Ion 41.00 (40.70 to 41.70): VN060565.D (-2674) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2674) (-)





#57

1,3-Dichloropropane

Concen: 18.726 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

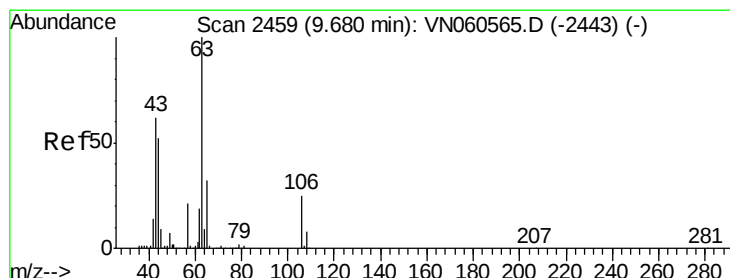
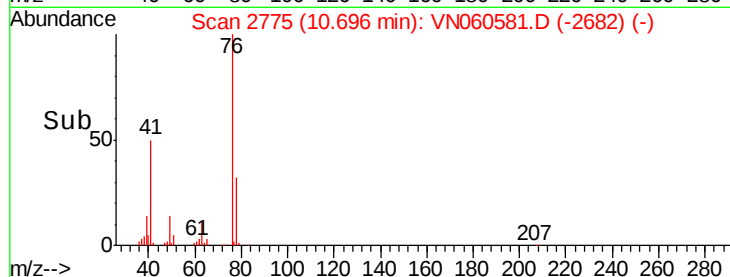
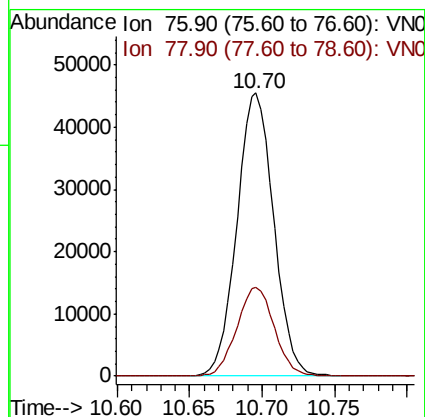
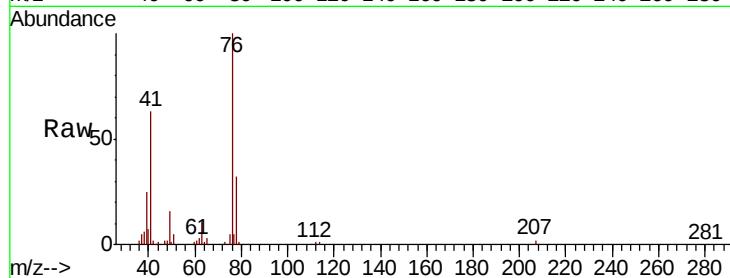
VN0318WBS01

Tot Ion: 76 Resp: 80255

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 92.165 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060581.D

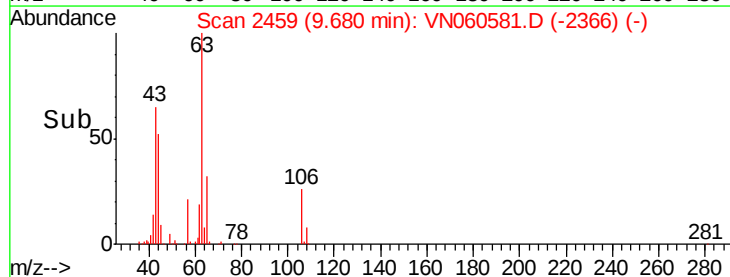
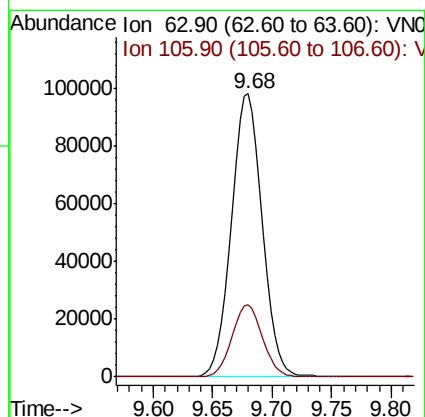
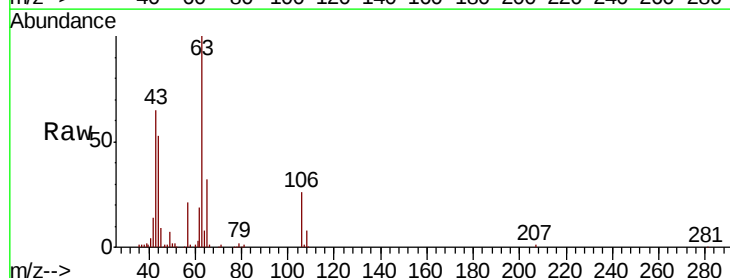
Acq: 18 Mar 2020 10:58

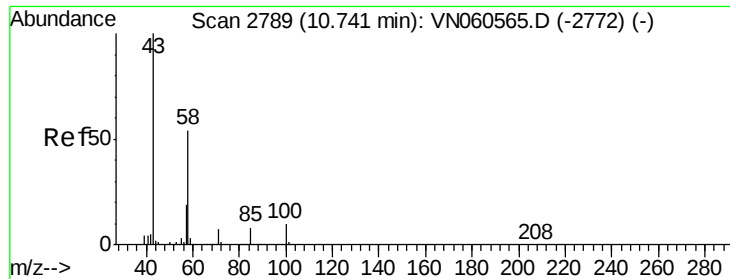
Tgt Ion: 63 Resp: 176400

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0





#59

2-Hexanone

Concen: 86.042 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampled :

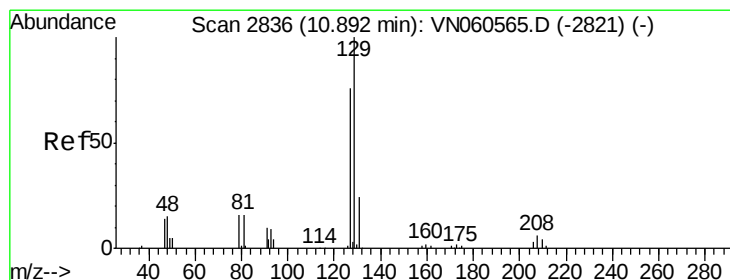
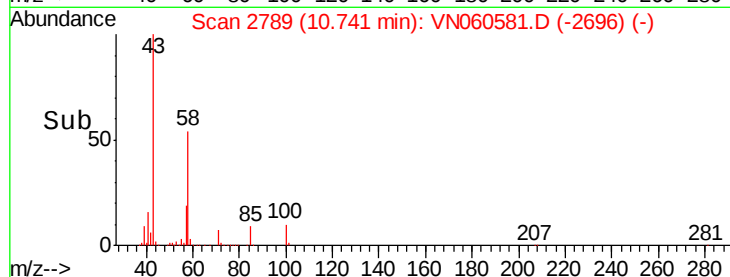
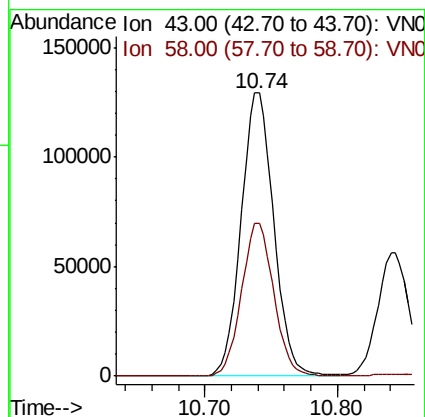
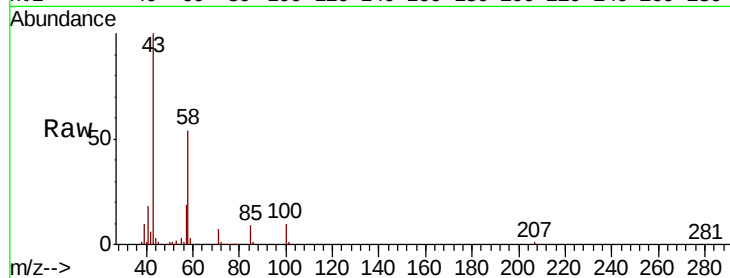
VN0318WBS01

Tot Ion: 43 Resp: 221314

Ion Ratio Lower Upper

43 100

58 53.4 26.7 80.1



#60

Dibromochloromethane

Concen: 18.460 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN060581.D

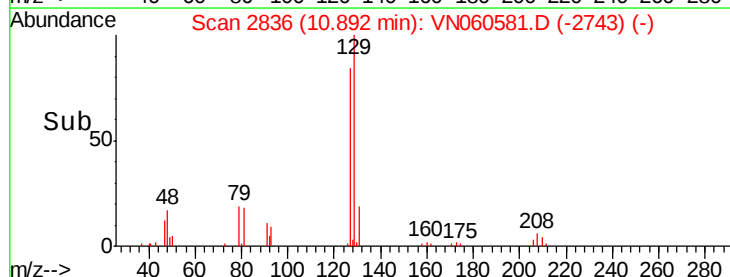
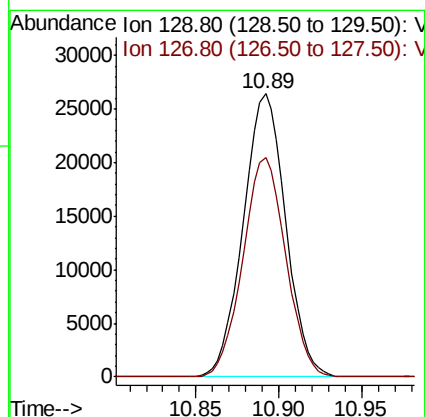
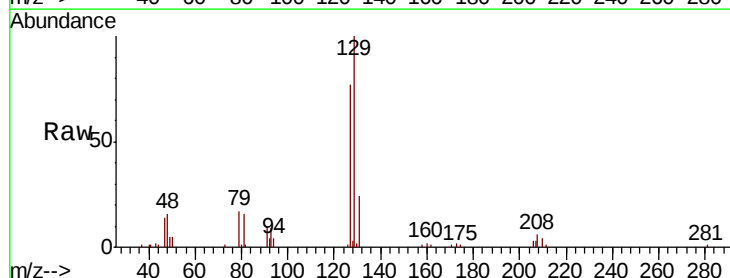
Acq: 18 Mar 2020 10:58

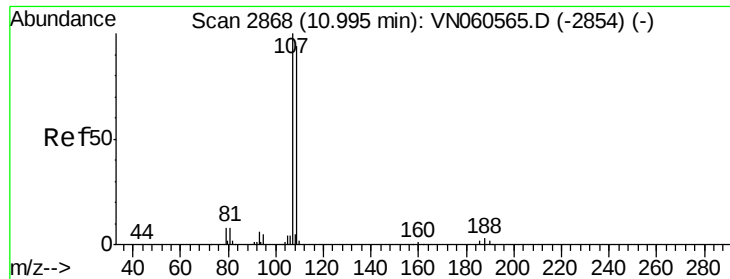
Tgt Ion: 129 Resp: 47094

Ion Ratio Lower Upper

129 100

127 78.0 38.5 115.5

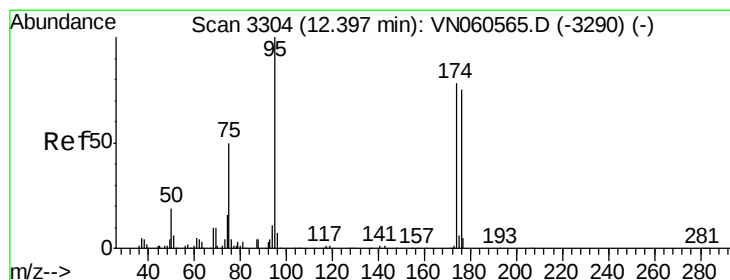
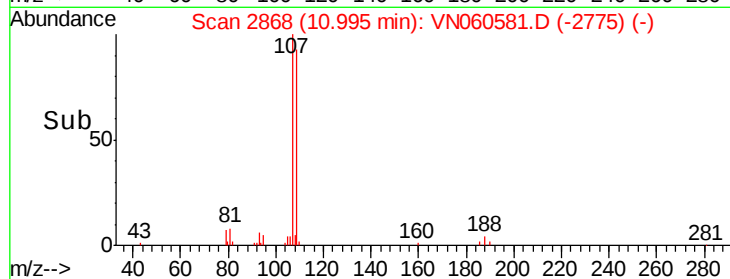
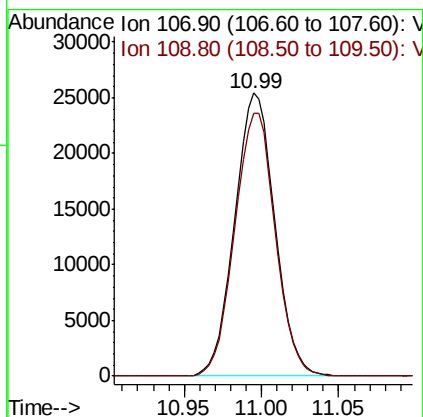
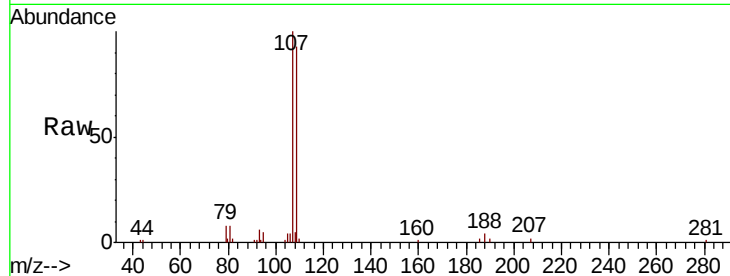




#61
 1,2-Dibromoethane
 Concen: 18.427 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

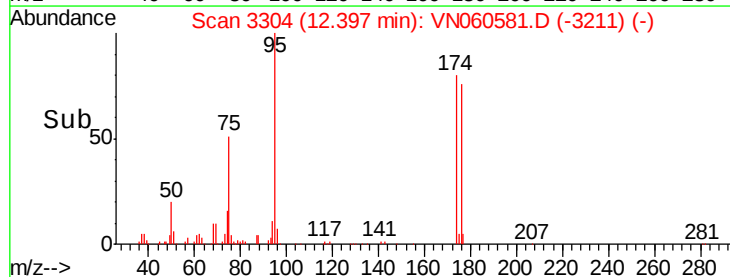
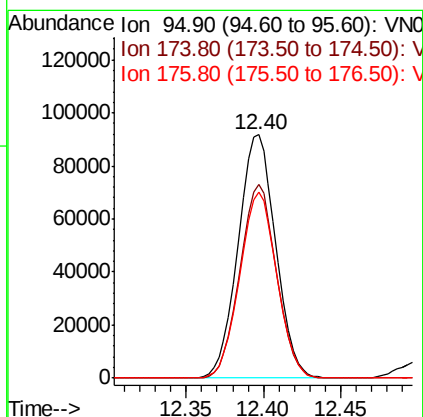
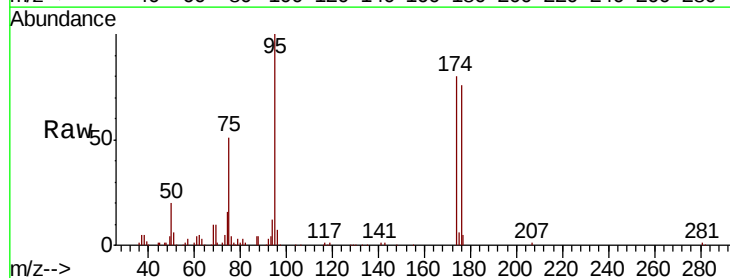
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

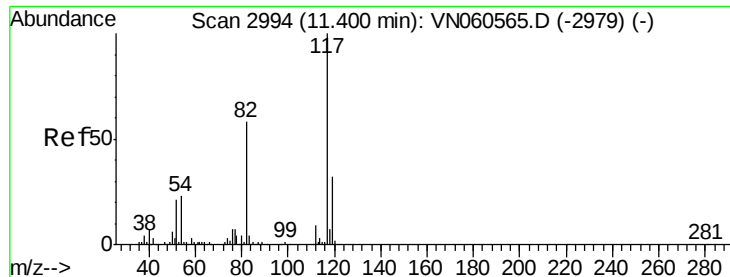
Tot Ion:107 Resp: 45763
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 46.990 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion: 95 Resp: 154673
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 157.6
 176 75.5 0.0 150.6

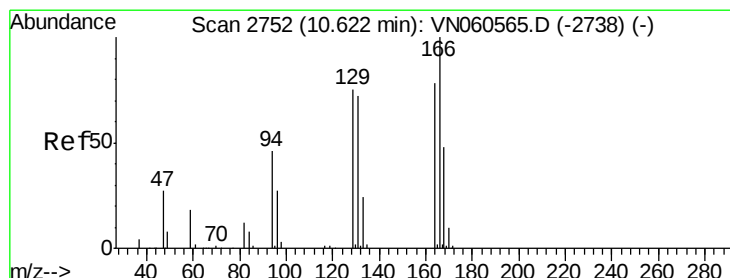
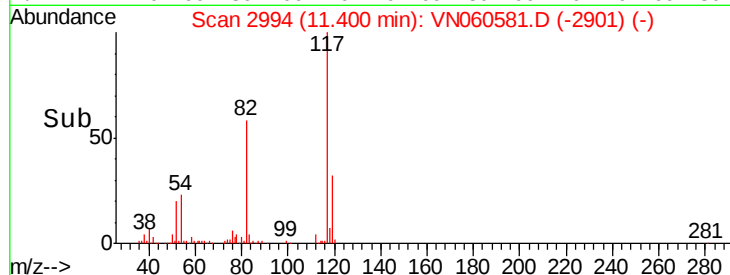
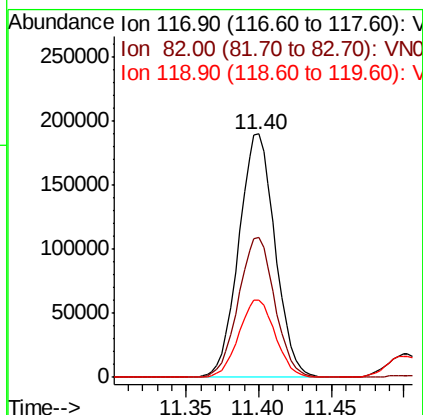
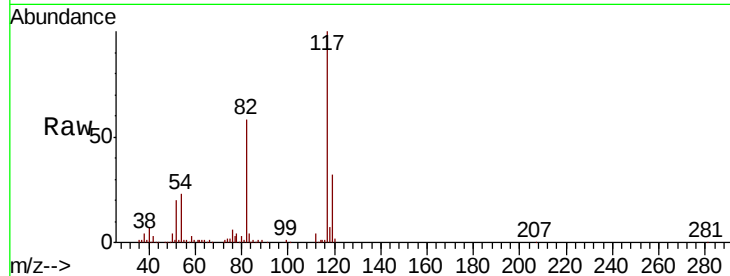




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

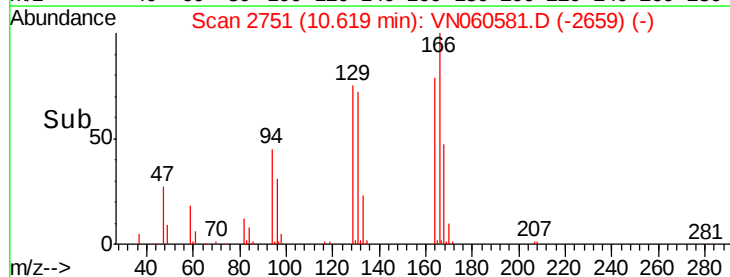
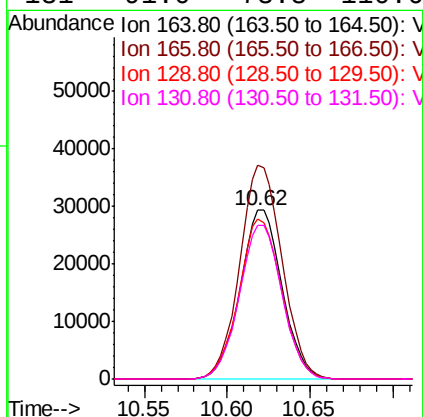
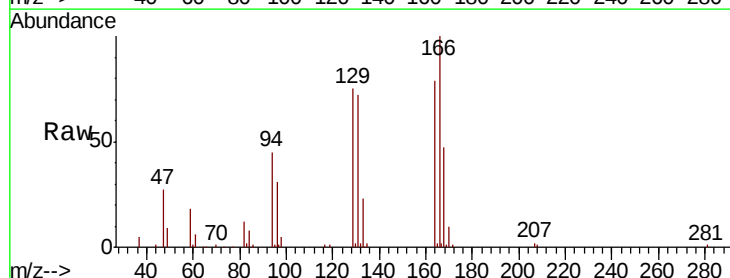
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

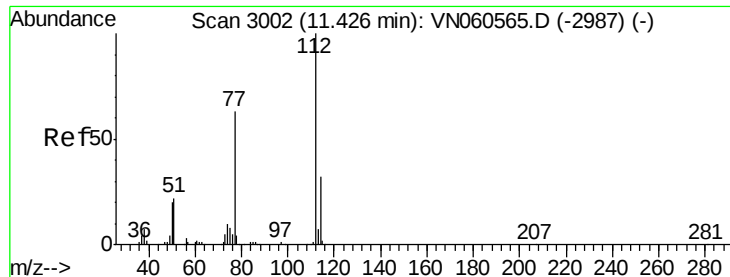
Tot Ion:117 Resp: 330128
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 19.804 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion:164 Resp: 51448
Ion Ratio Lower Upper
164 100
166 126.5 102.7 154.1
129 94.9 77.2 115.8
131 91.0 73.8 110.6





#65

Chlorobenzene

Concen: 18.994 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

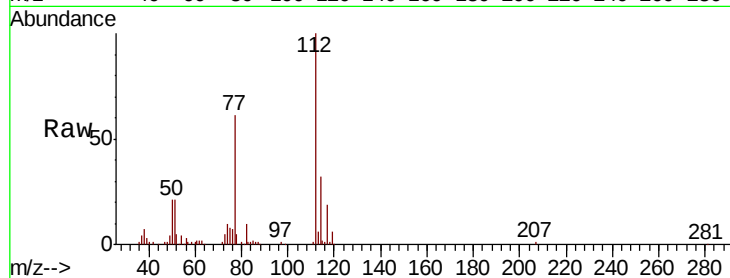
VN0318WBS01

Tot Ion:112 Resp: 124304

Ion Ratio Lower Upper

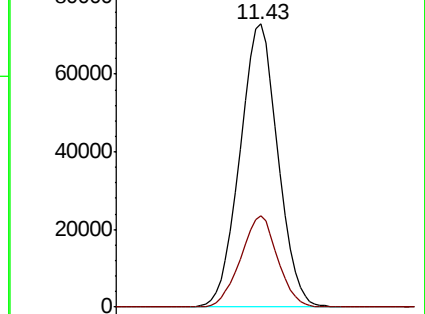
112 100

114 32.3 25.8 38.6

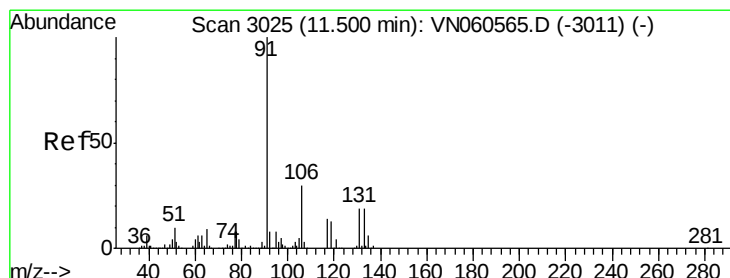
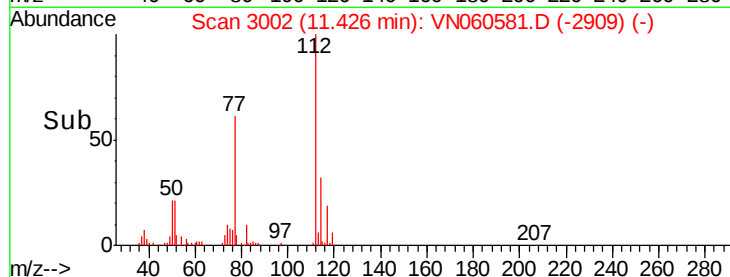


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.987 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

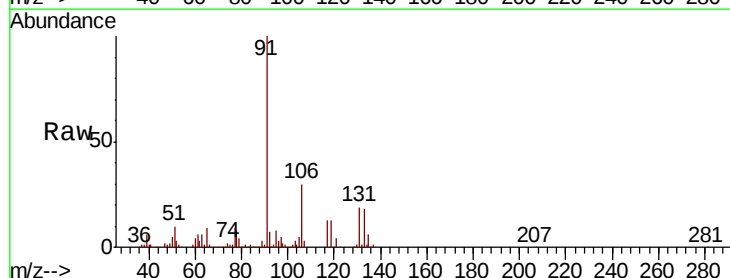
Tgt Ion:131 Resp: 44990

Ion Ratio Lower Upper

131 100

133 94.4 48.9 146.8

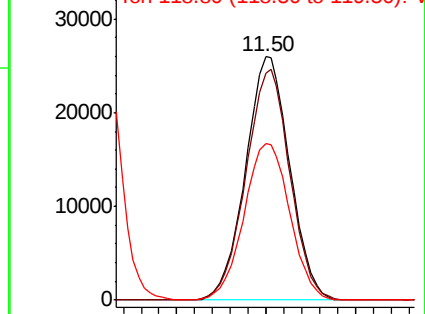
119 66.6 33.9 101.7



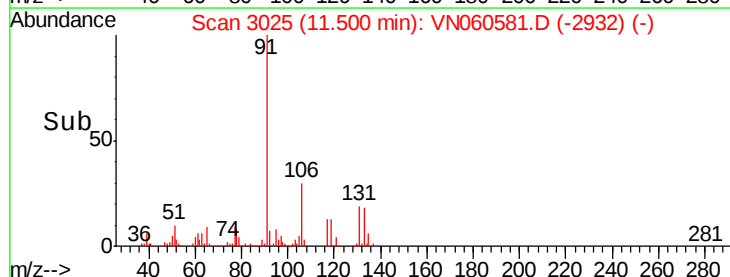
Abundance Ion 130.80 (130.50 to 131.50): V

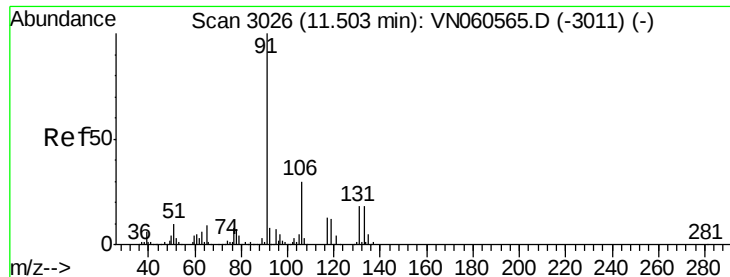
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 19.157 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

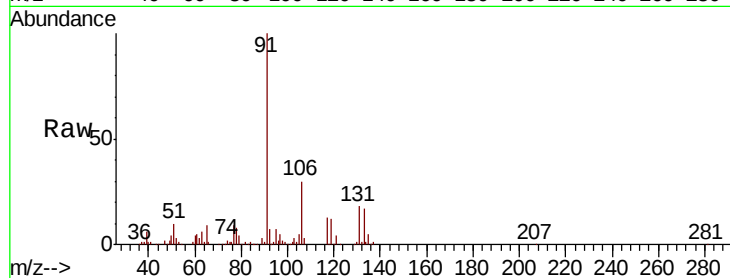
VN0318WBS01

Tot Ion: 91 Resp: 233153

Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN060565.D (-3011) (-)

200000

150000

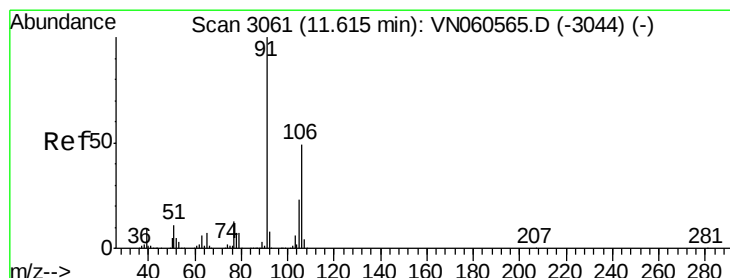
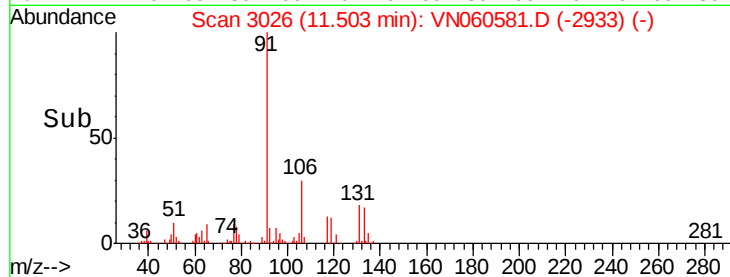
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 37.984 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060581.D

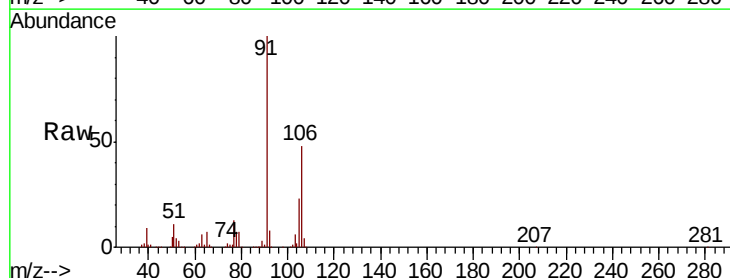
Acq: 18 Mar 2020 10:58

Tgt Ion: 106 Resp: 171788

Ion Ratio Lower Upper

106 100

91 207.5 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060565.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-3044) (-)

200000

150000

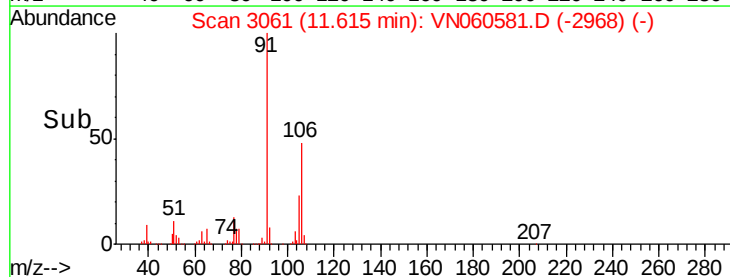
100000

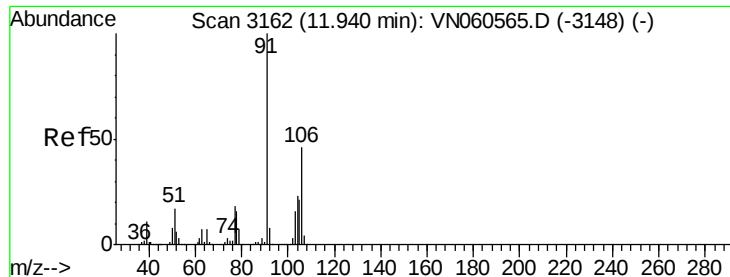
50000

0

11.55 11.60 11.65 11.70

Time-->

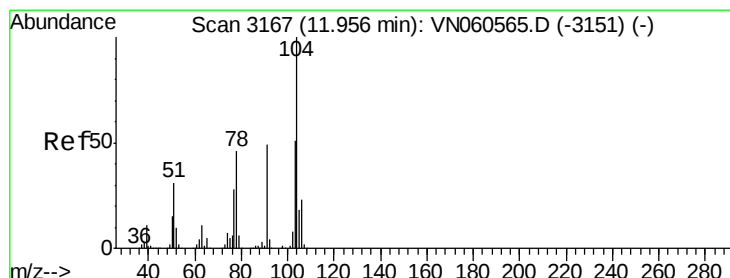
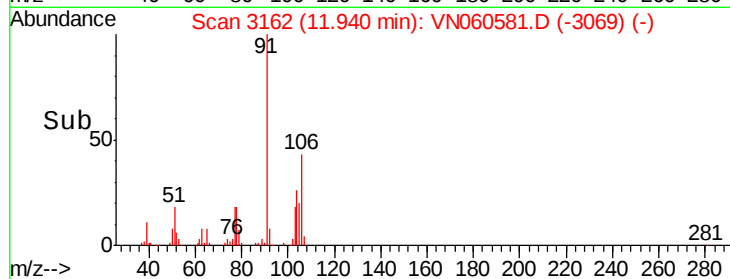
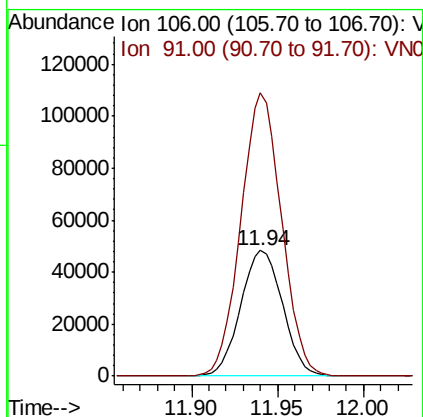
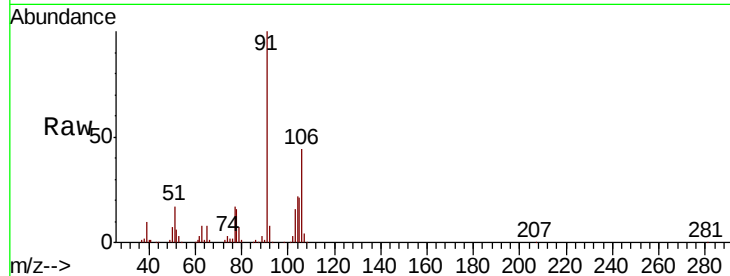




#69
o-Xylene
Concen: 18.903 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

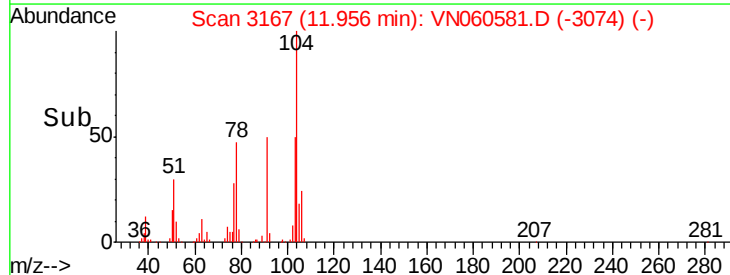
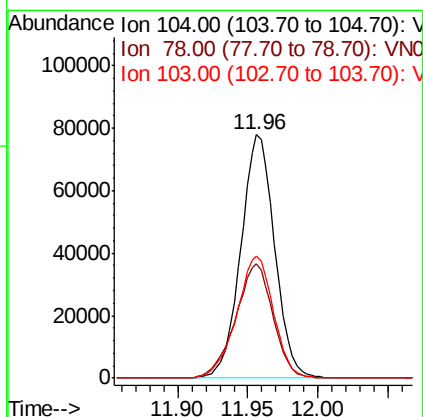
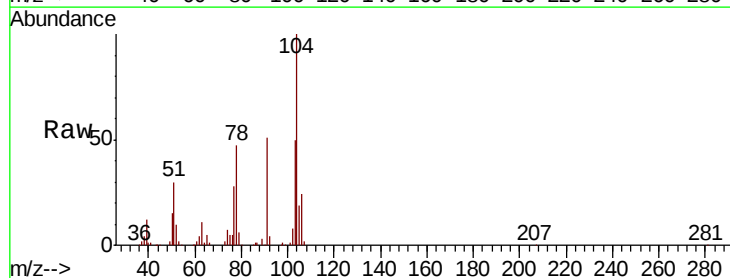
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

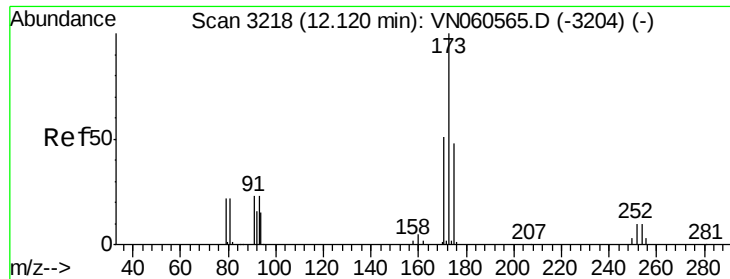
Tot Ion:106 Resp: 81611
Ion Ratio Lower Upper
106 100
91 219.0 109.5 328.4



#70
Styrene
Concen: 18.580 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion:104 Resp: 131195
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.6 44.0 66.0

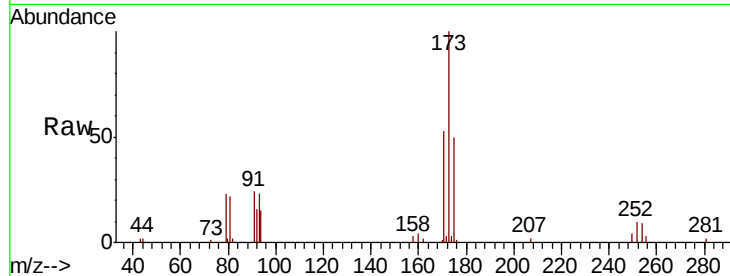




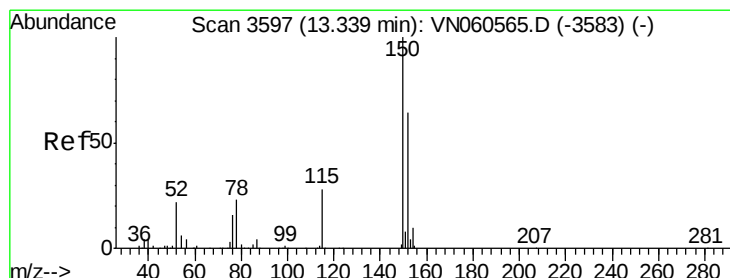
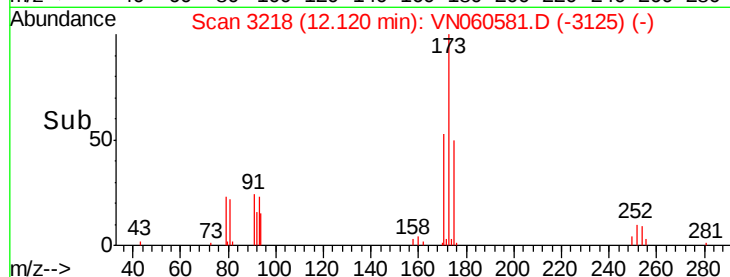
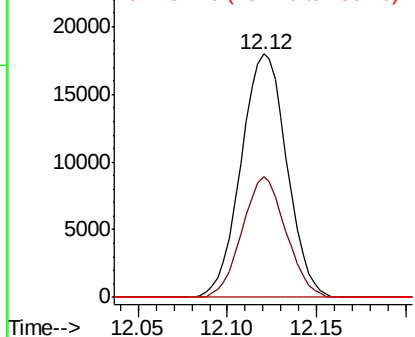
#71
Bromoform
Concen: 17.467 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion:173 Resp: 32171
Ion Ratio Lower Upper
173 100
175 47.4 24.1 72.4
254 0.0 0.0 0.0

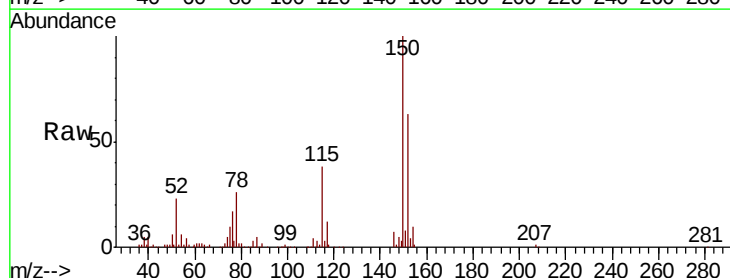


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

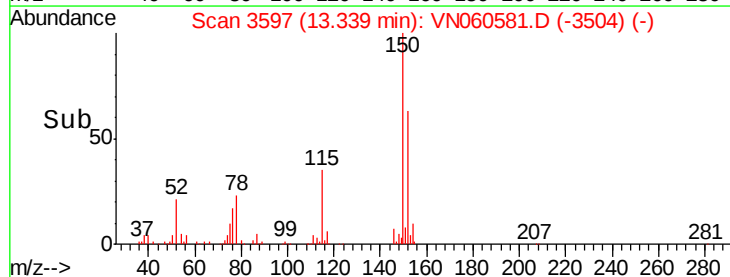
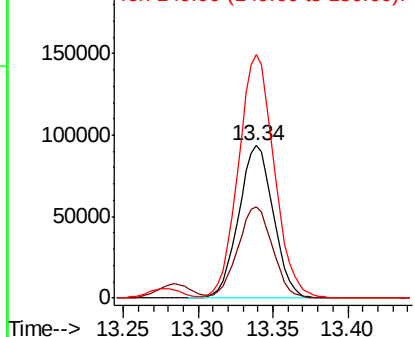


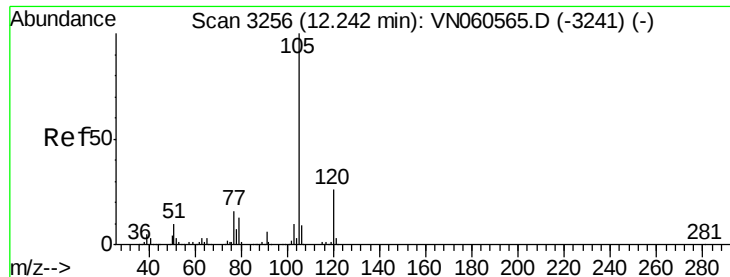
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion:152 Resp: 151123
Ion Ratio Lower Upper
152 100
115 60.0 30.2 90.6
150 164.9 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.298 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

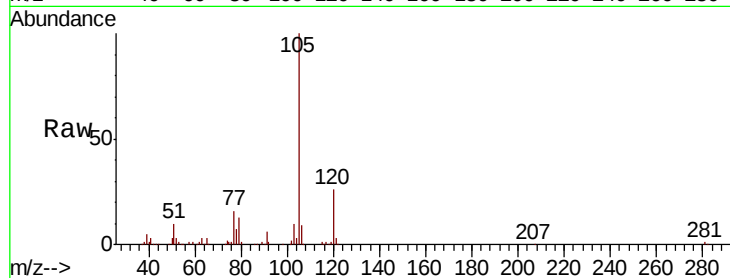
VN0318WBS01

Tot Ion:105 Resp: 218863

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

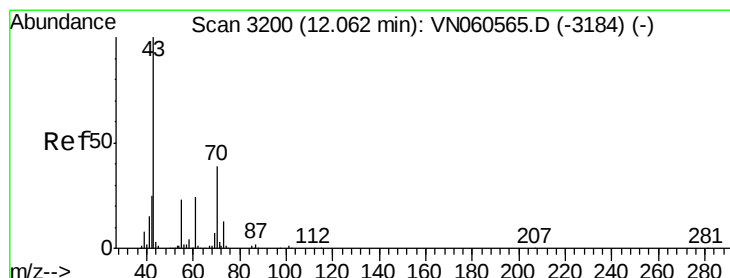
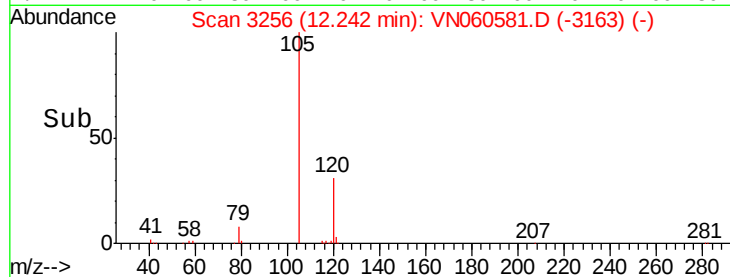
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.587 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Tgt Ion: 43 Resp: 92166

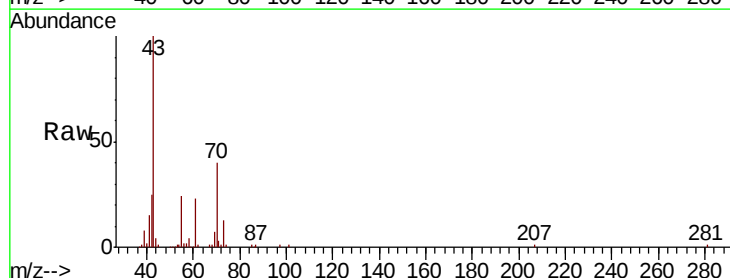
Ion Ratio Lower Upper

43 100

70 39.7 31.1 46.7

55 24.3 18.6 27.8

61 23.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.06

80000

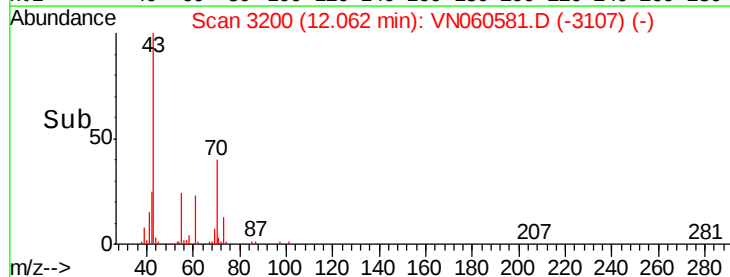
60000

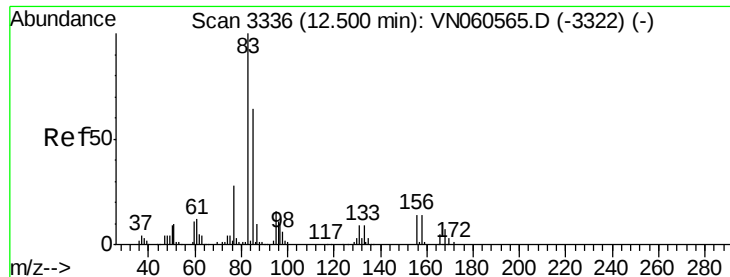
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.918 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

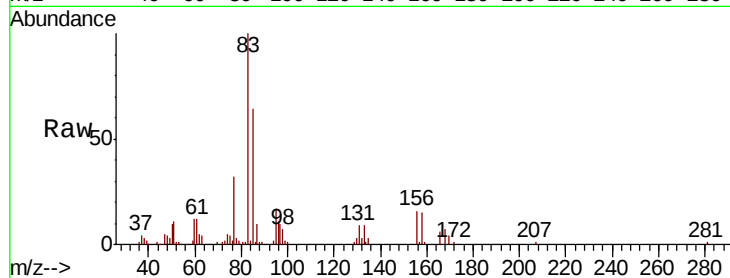
Tot Ion: 83 Resp: 61453

Ion Ratio Lower Upper

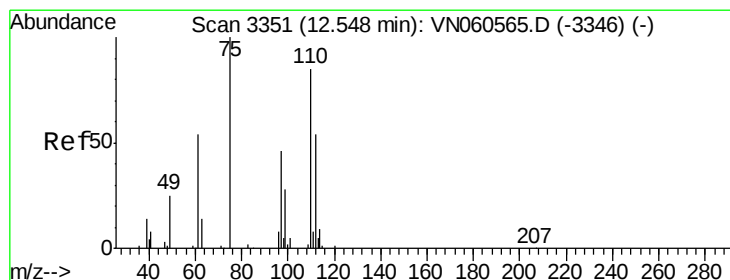
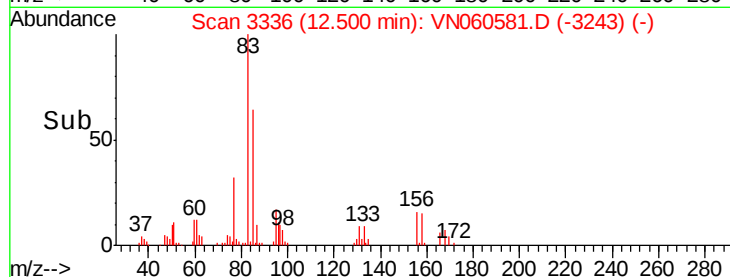
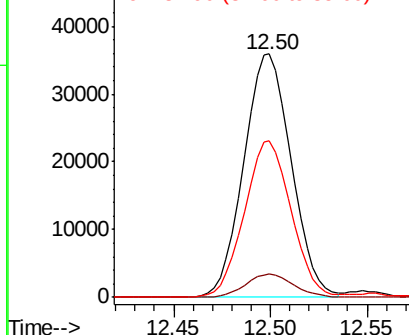
83 100

131 9.6 4.9 14.7

85 63.1 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.646 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060581.D

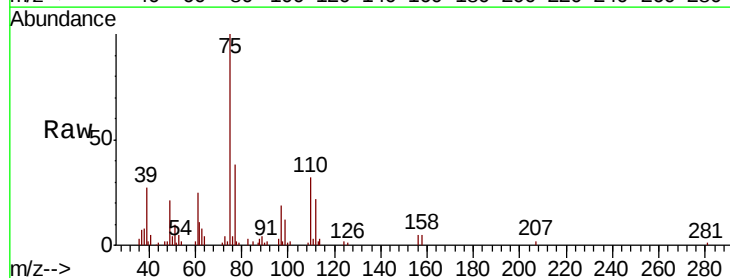
Acq: 18 Mar 2020 10:58

Tgt Ion: 75 Resp: 83631

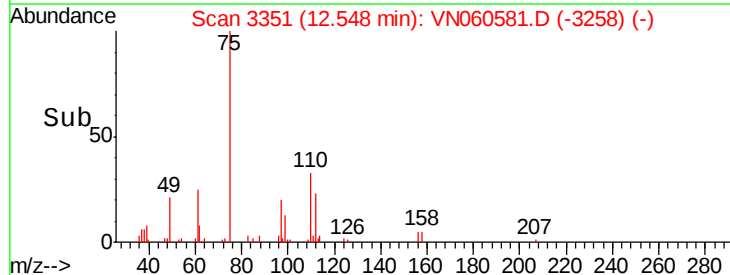
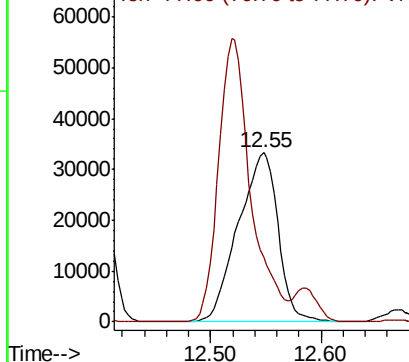
Ion Ratio Lower Upper

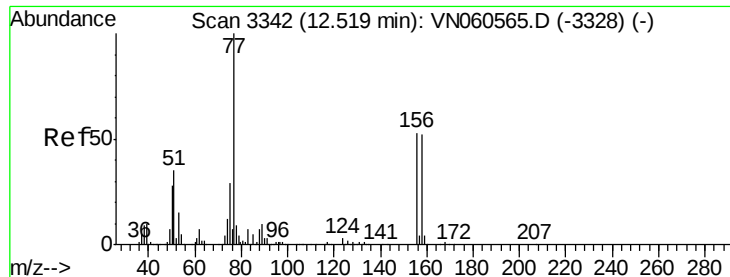
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.692 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS01

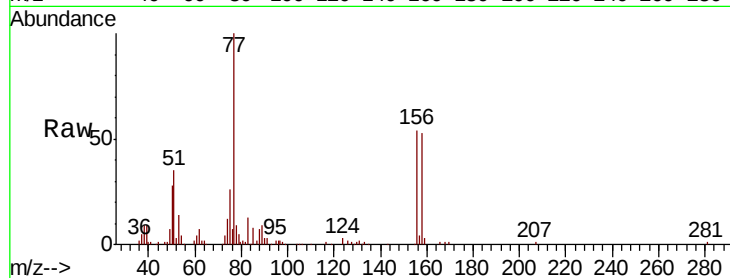
Tot Ion:156 Resp: 51081

Ion Ratio Lower Upper

156 100

77 222.3 112.3 337.0

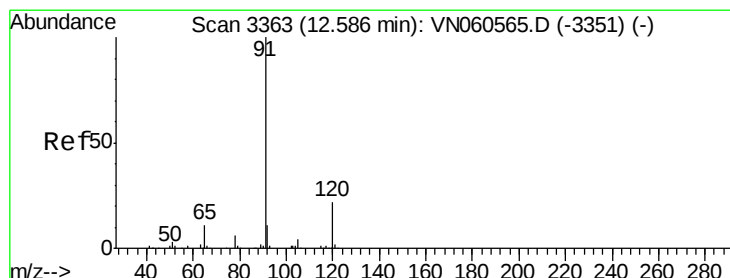
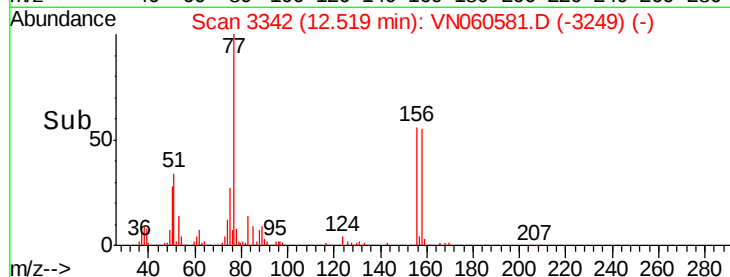
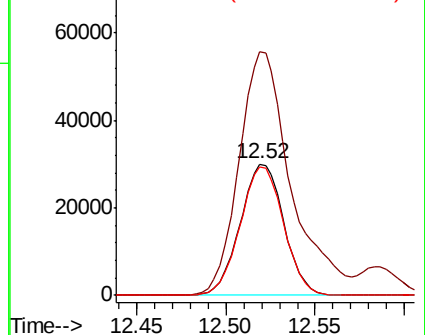
158 97.7 48.6 145.8



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: 19.283 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060581.D

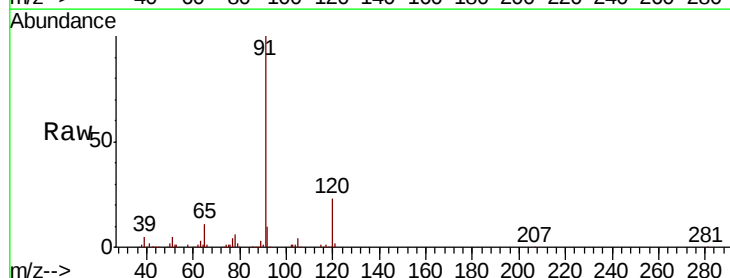
Acq: 18 Mar 2020 10:58

Tgt Ion: 91 Resp: 258368

Ion Ratio Lower Upper

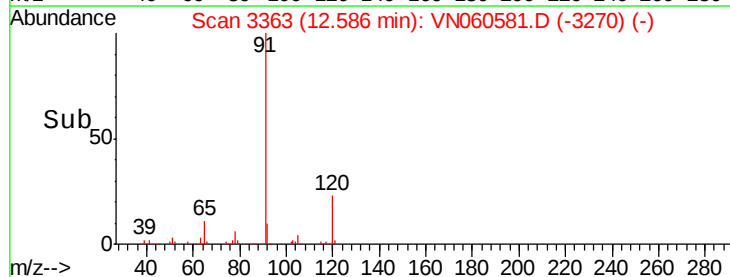
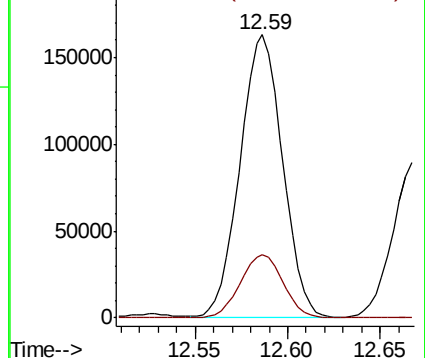
91 100

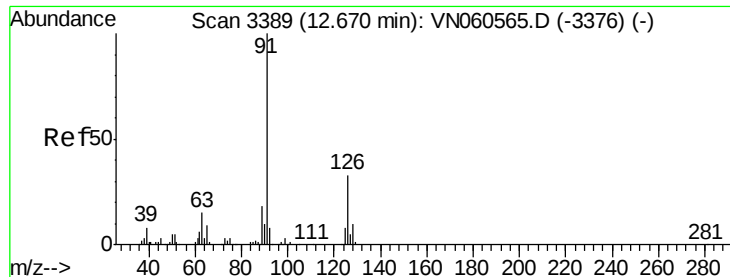
120 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

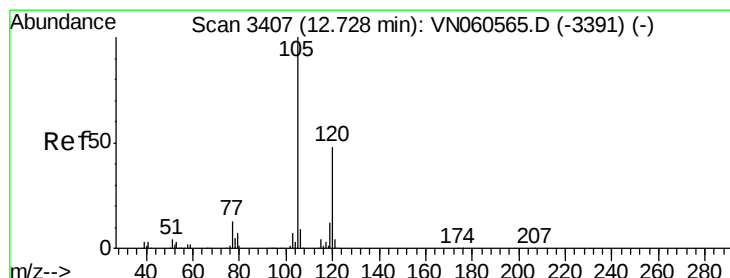
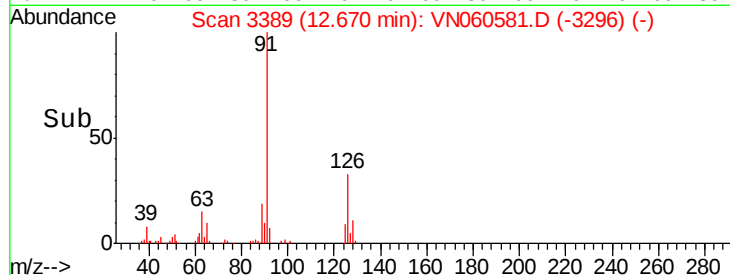
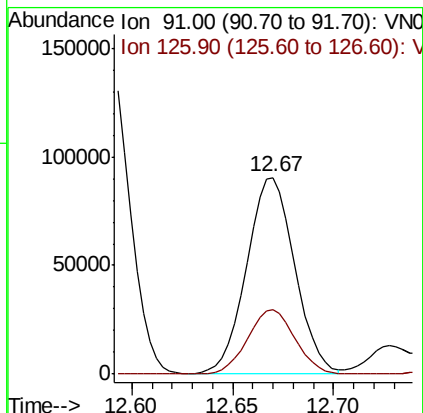
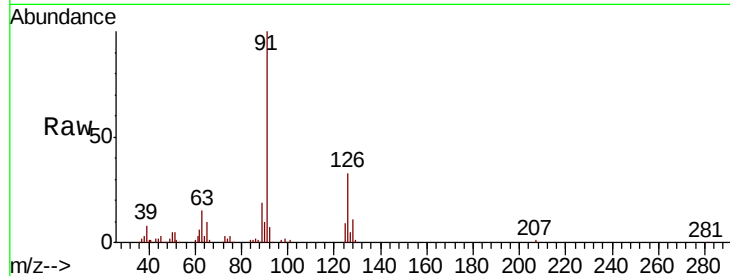




#79
 2-Chlorotoluene
 Concen: 18.754 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

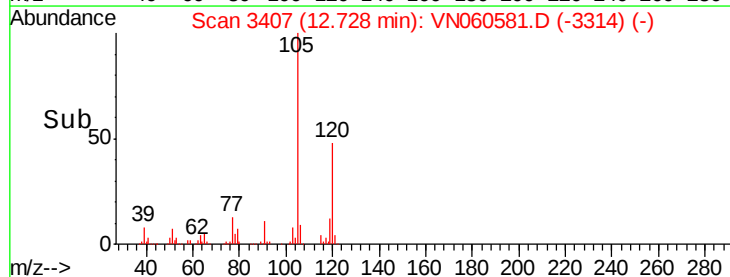
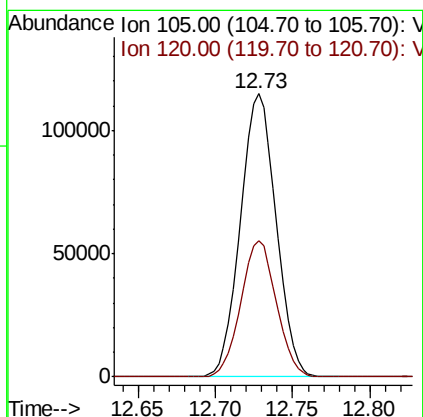
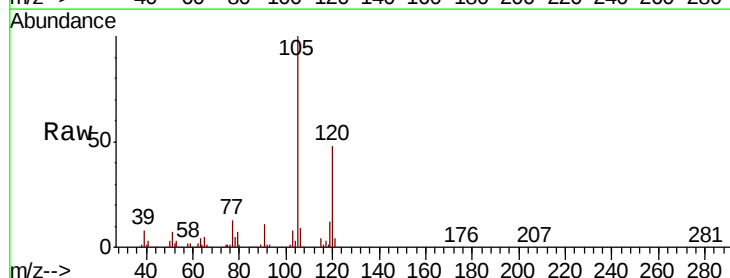
Instrument :
 MSVOA_N
 ClientSampled :
 VN0318WBS01

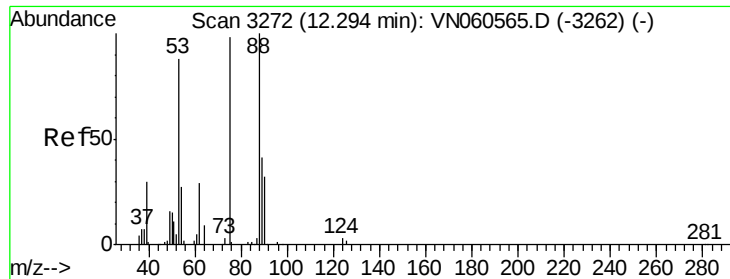
Tot Ion: 91 Resp: 150139
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.197 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion: 105 Resp: 184758
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7

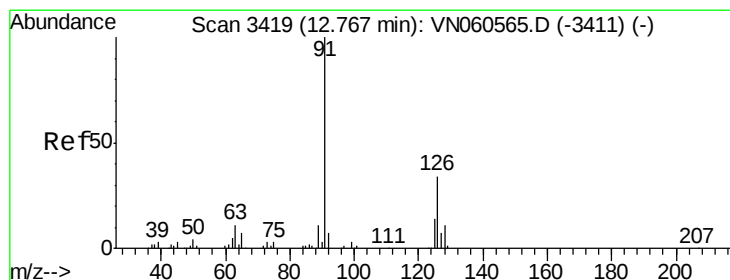
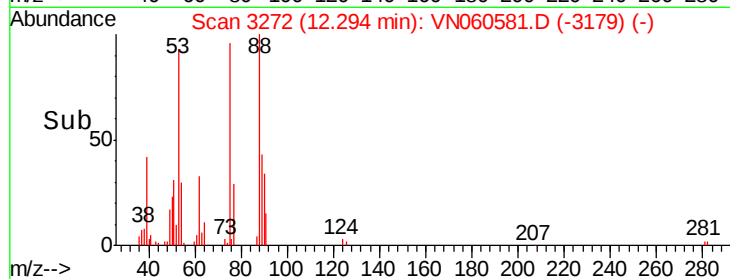
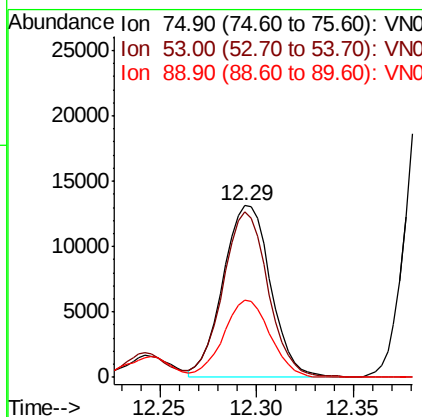
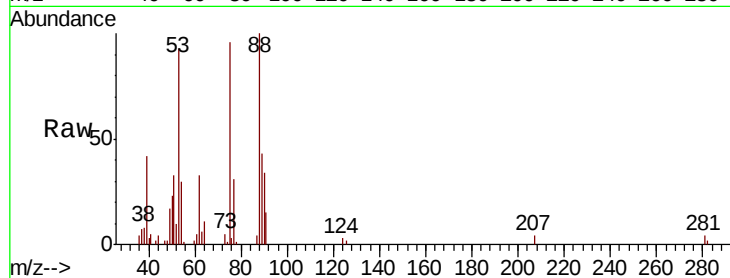




#81
trans-1,4-Dichloro-2-butene
Concen: 17.708 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

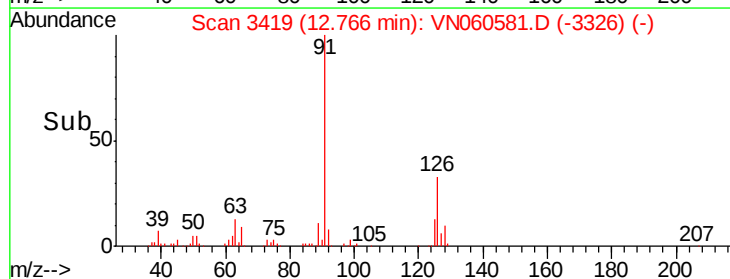
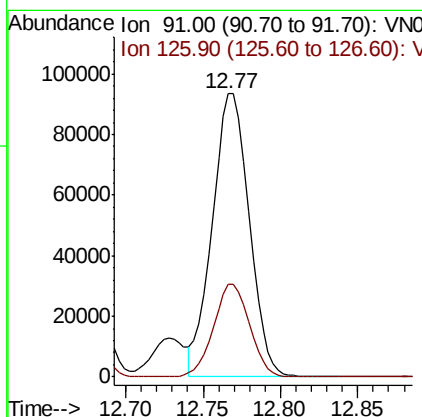
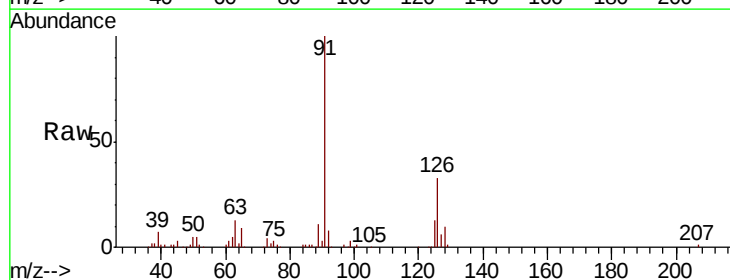
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

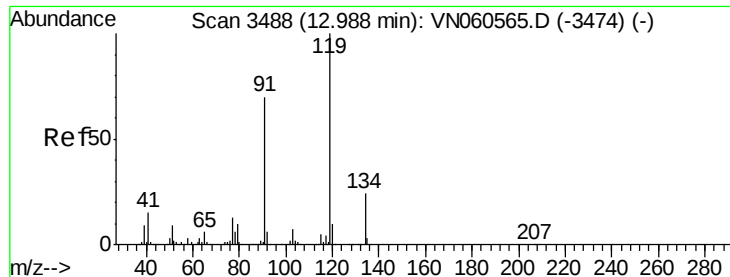
Tot Ion: 75 Resp: 22483
Ion Ratio Lower Upper
75 100
53 92.2 73.0 109.4
89 44.0 34.8 52.2



#82
4-Chlorotoluene
Concen: 19.045 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 91 Resp: 155289
Ion Ratio Lower Upper
91 100
126 32.0 16.2 48.5

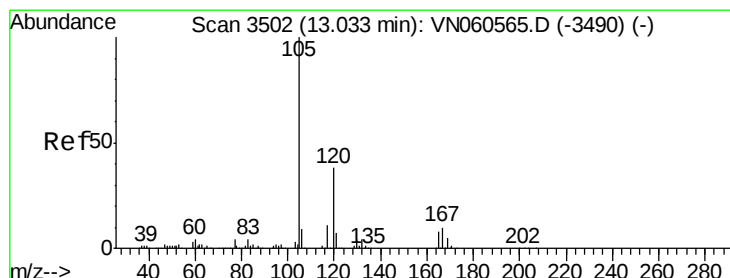
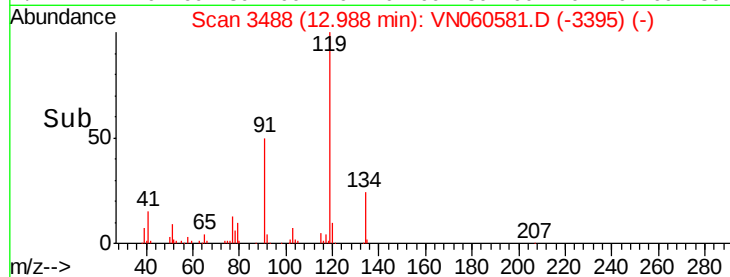
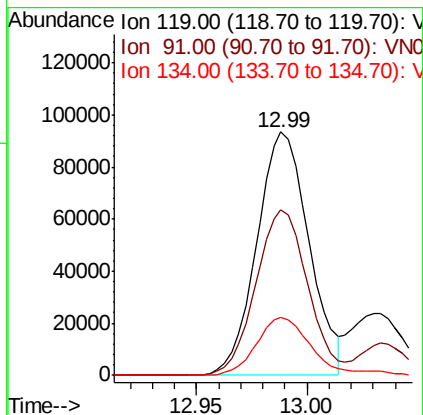
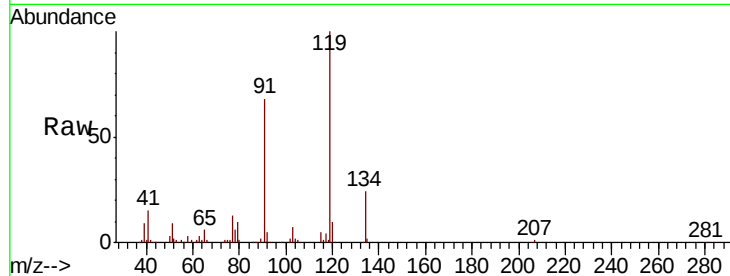




#83
 tert-Butylbenzene
 Concen: 19.198 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

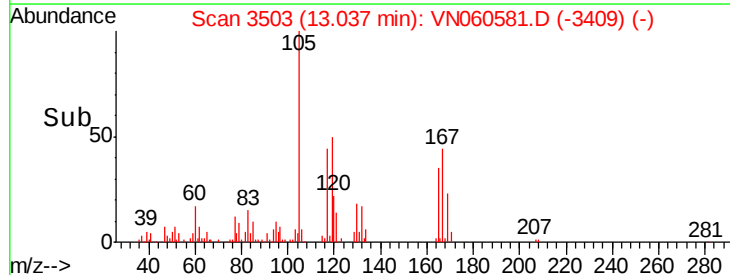
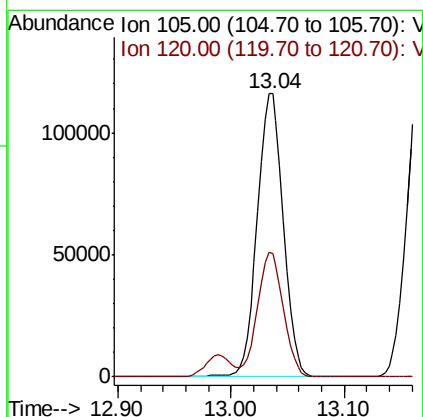
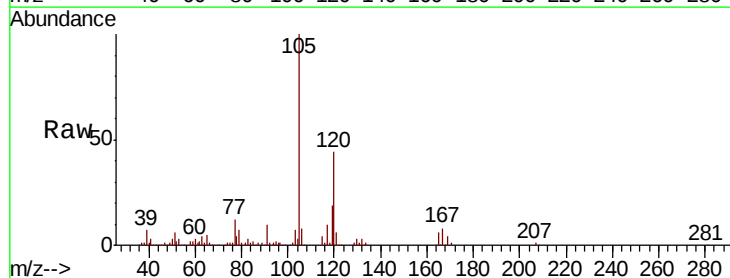
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

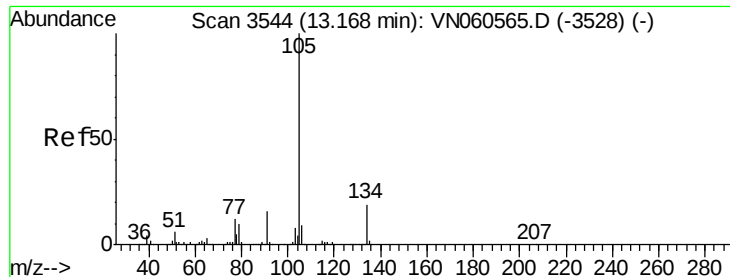
Tot Ion:119 Resp: 153170
 Ion Ratio Lower Upper
 119 100
 91 67.5 34.0 101.8
 134 25.1 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.510 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion:105 Resp: 185769
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.210 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

Instrument :

MSVOA_N

ClientSampled :

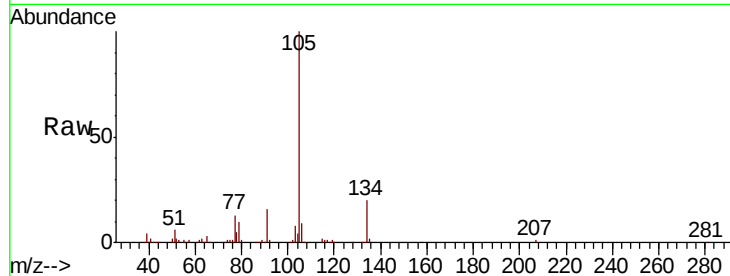
VN0318WBS01

Tot Ion:105 Resp: 206090

Ion Ratio Lower Upper

105 100

134 19.5 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

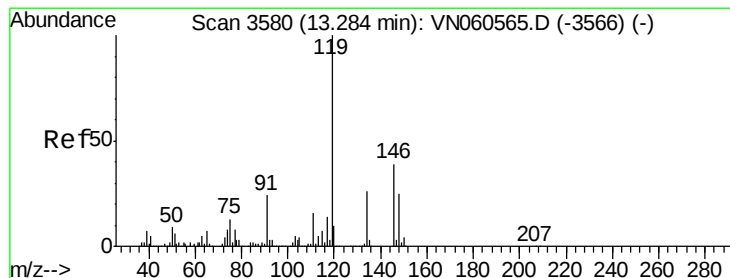
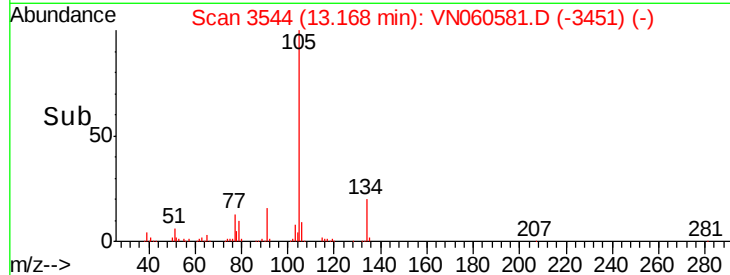
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.217 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060581.D

Acq: 18 Mar 2020 10:58

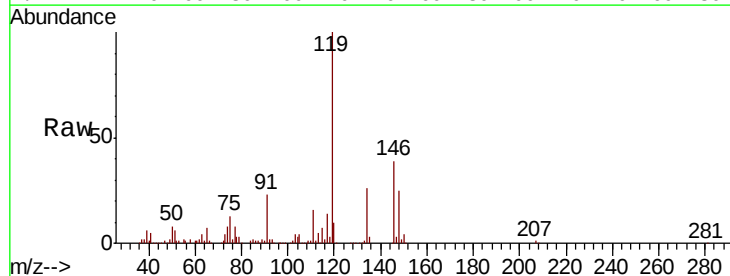
Tgt Ion:119 Resp: 185397

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 24.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

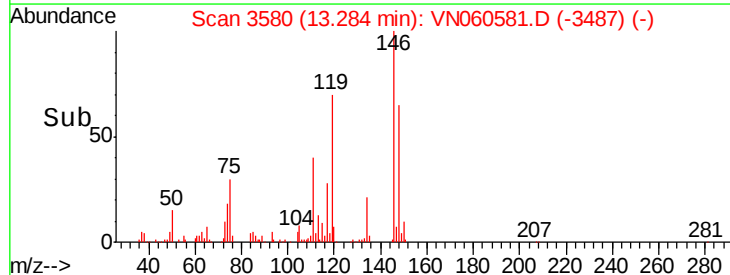
150000

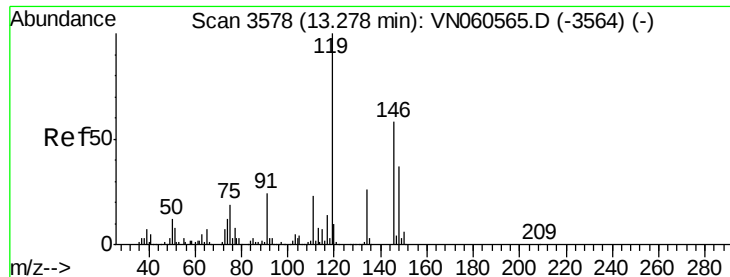
100000

50000

0

Time-->

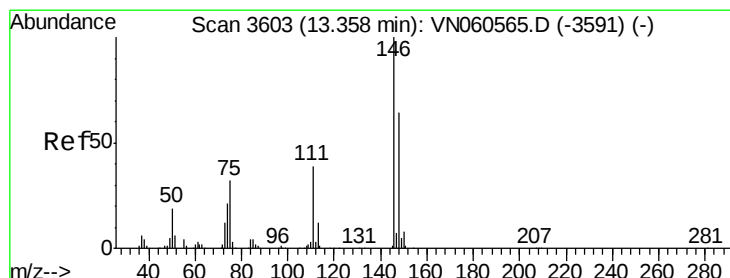
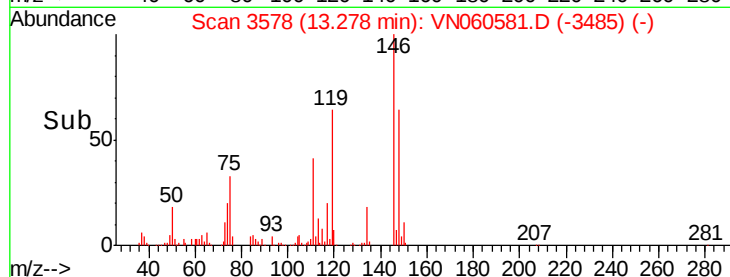
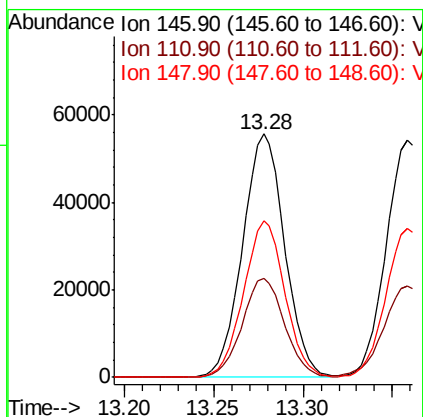
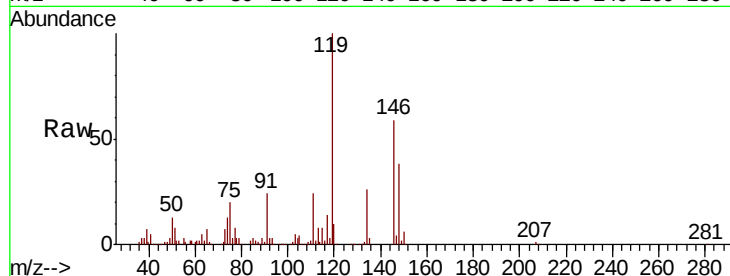




#87
 1,3-Dichlorobenzene
 Concen: 19.009 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

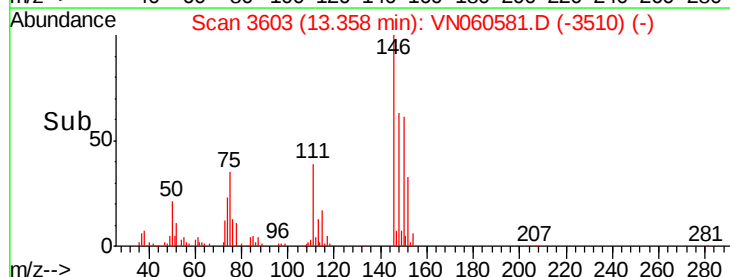
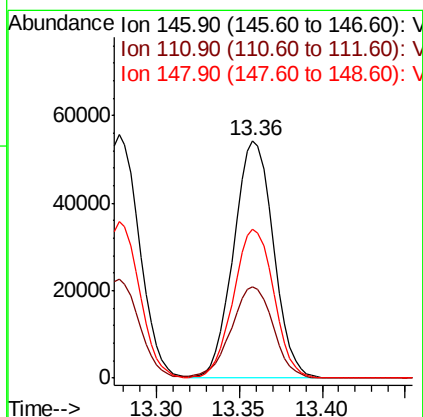
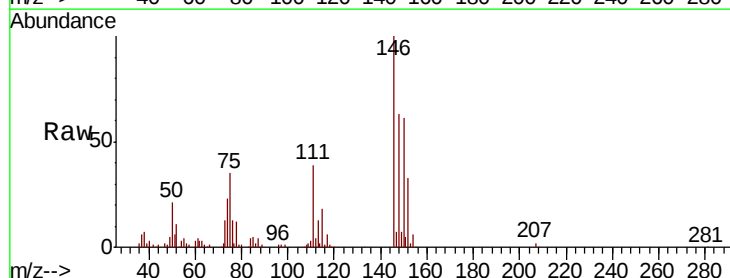
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

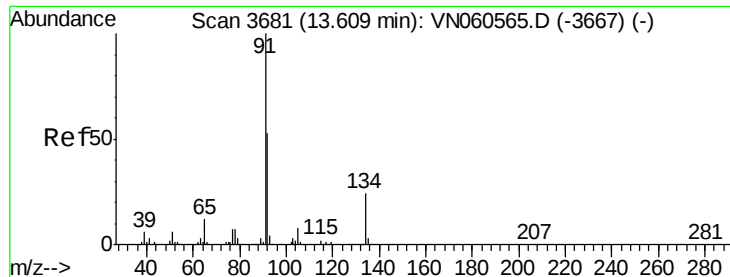
Tot Ion:146 Resp: 91624
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 60.8
 148 63.1 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 18.746 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion:146 Resp: 90778
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.6 58.7
 148 63.6 32.1 96.3

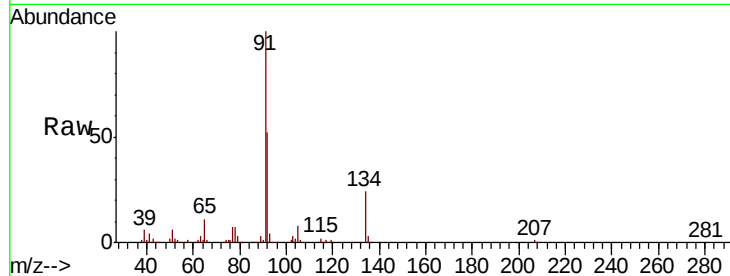




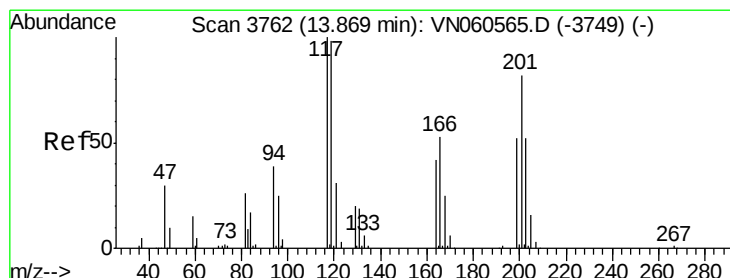
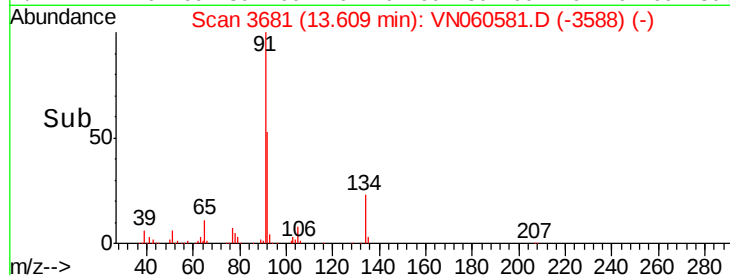
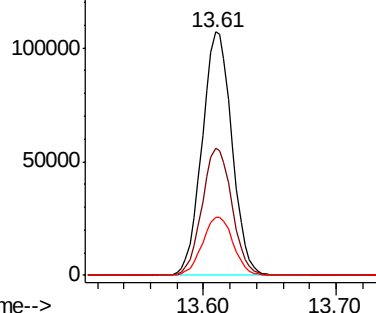
#89
n-Butylbenzene
Concen: 19.184 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampled :
VN0318WBS01

Tot Ion: 91 Resp: 167094
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.5
134 24.5 12.3 36.9

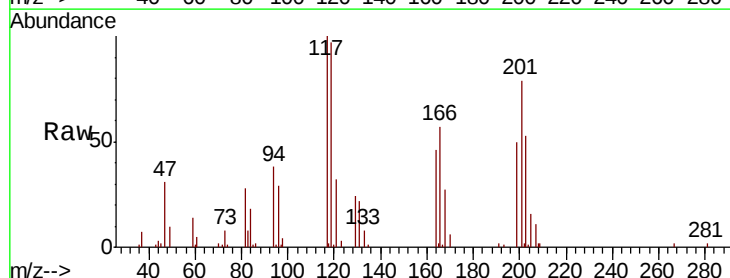


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

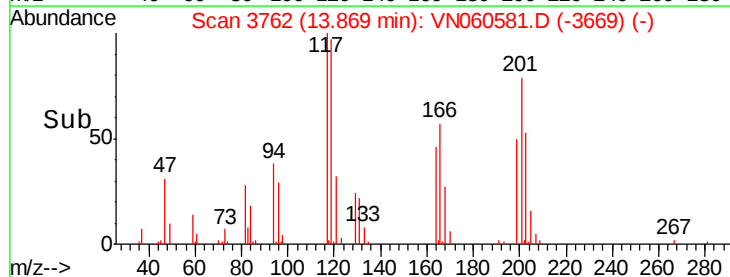
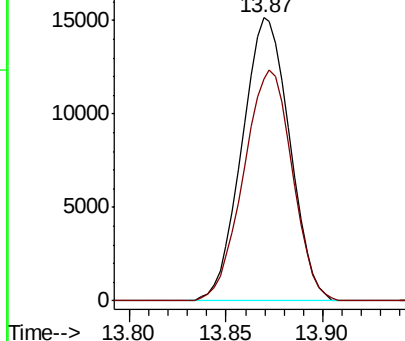


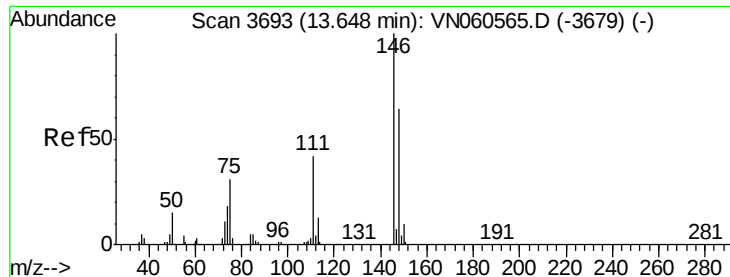
#90
Hexachloroethane
Concen: 18.496 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion: 117 Resp: 25937
Ion Ratio Lower Upper
117 100
201 83.3 40.8 122.5



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

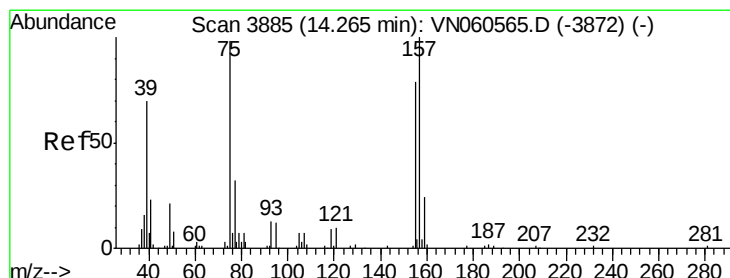
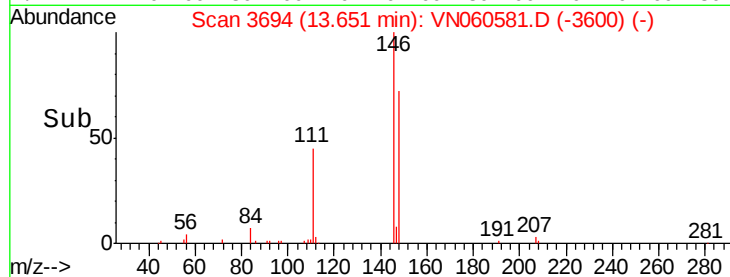
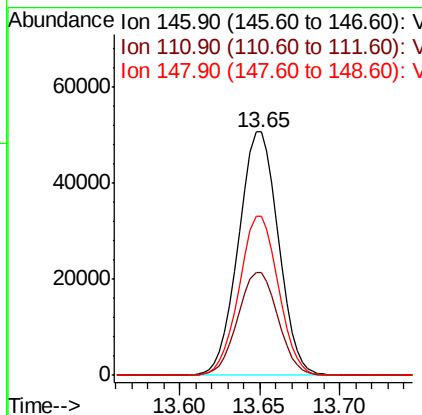
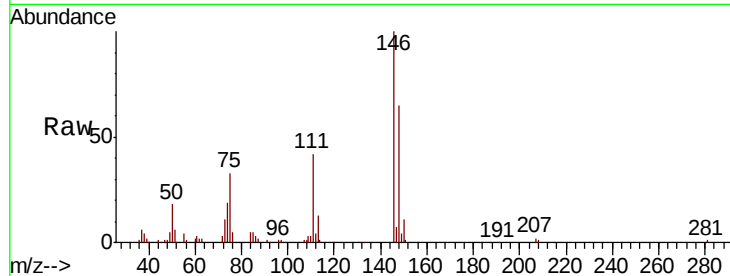




#91
 1,2-Dichlorobenzene
 Concen: 18.679 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

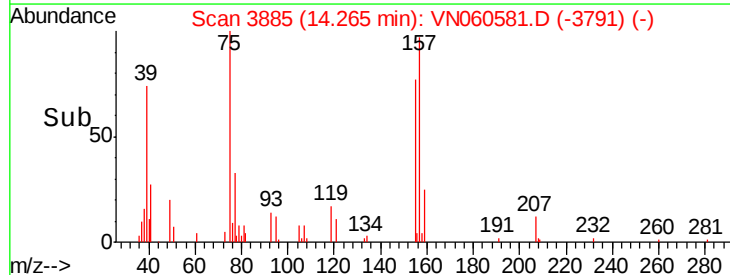
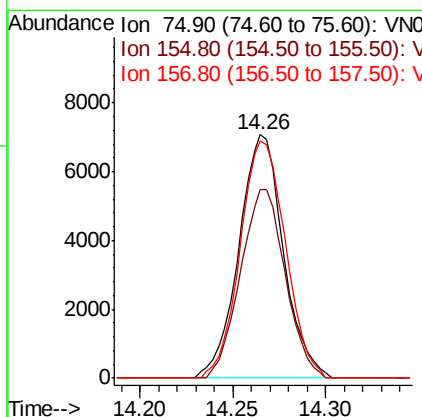
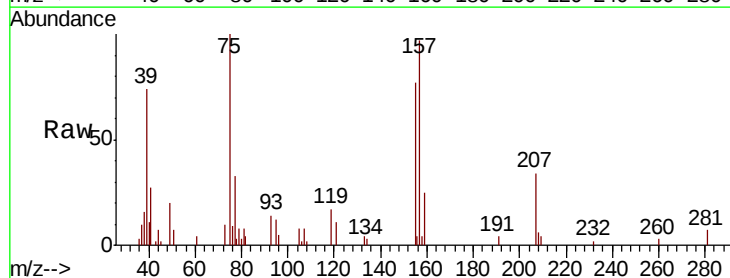
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

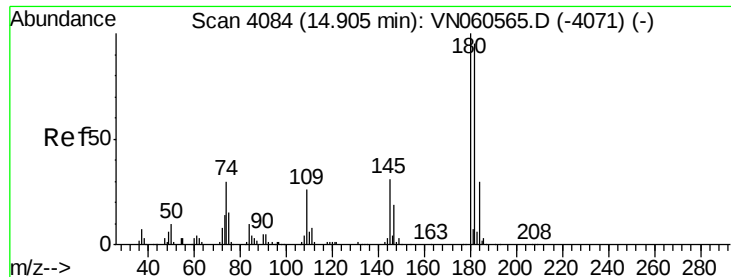
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.0	63.0
148	64.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.269 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	40.7	122.1
157	99.2	51.5	154.7

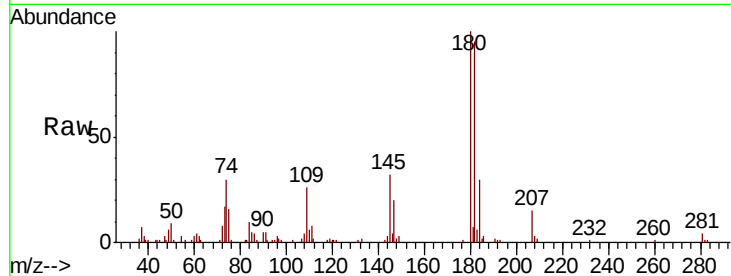




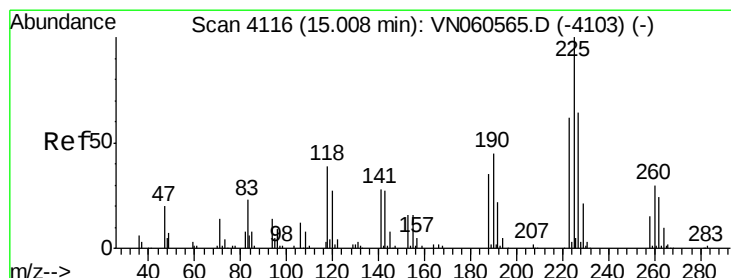
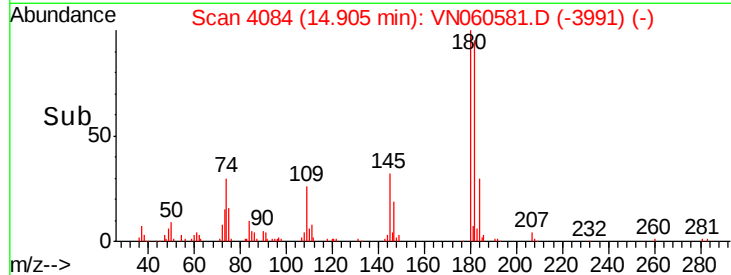
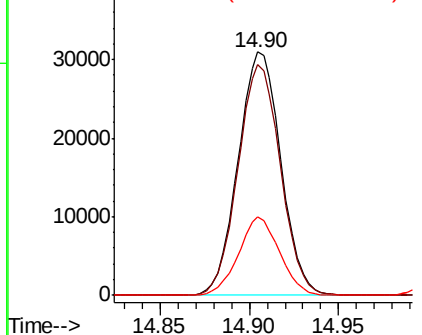
#93
 1,2,4-Trichlorobenzene
 Concen: 18.220 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Tot Ion:180 Resp: 51568
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.9 143.8
 145 30.7 15.4 46.2

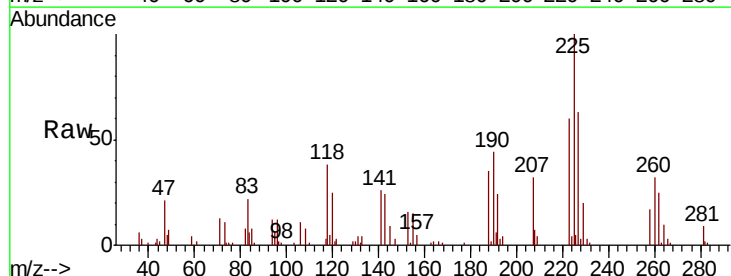


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

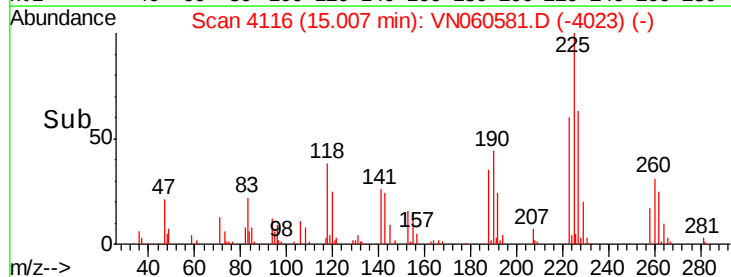
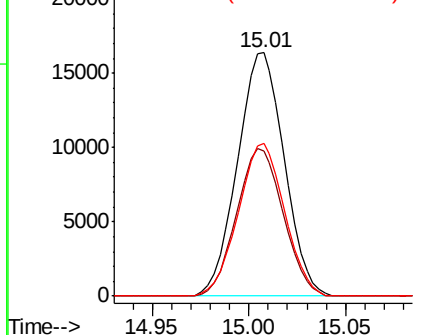


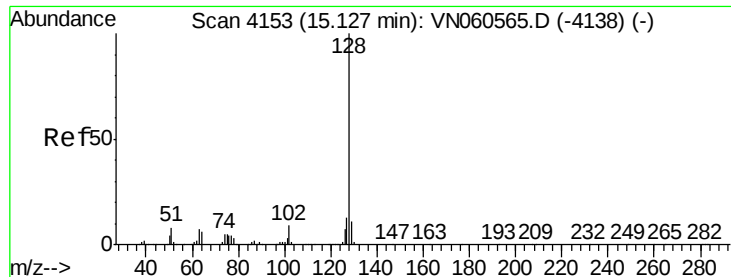
#94
 Hexachlorobutadiene
 Concen: 19.834 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060581.D
 Acq: 18 Mar 2020 10:58

Tgt Ion:225 Resp: 27519
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.6 95.0
 227 61.9 32.3 96.8



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

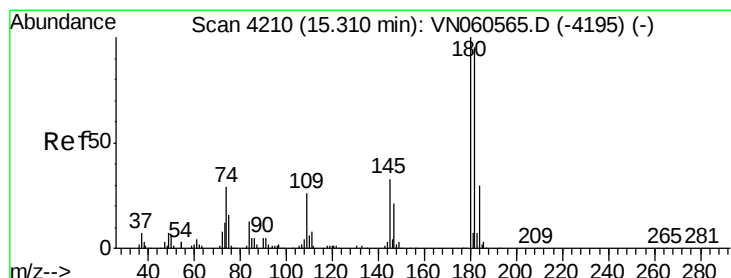
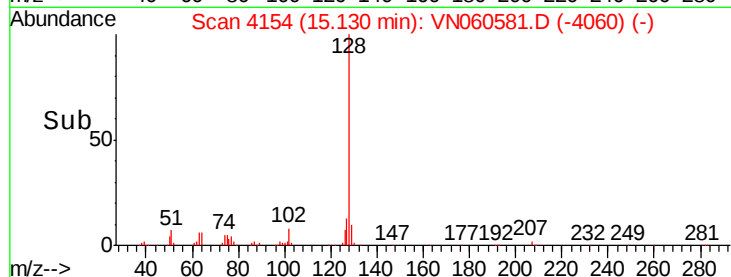
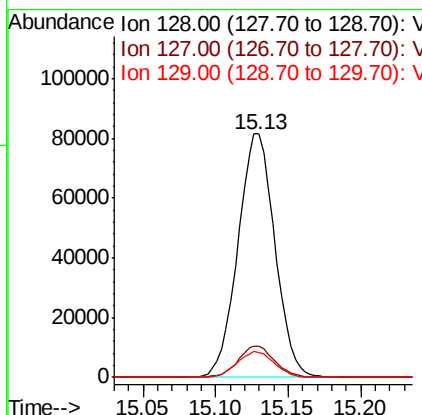
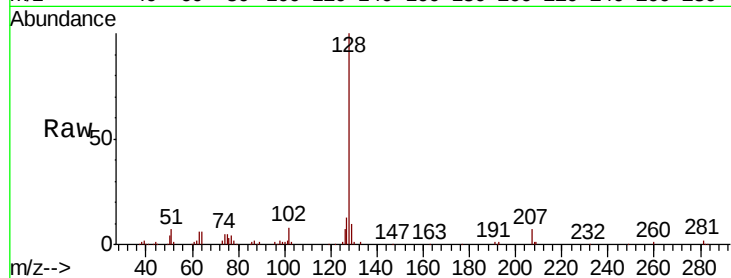




#95
Naphthalene
Concen: 16.962 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS01

Tot Ion:128 Resp: 144391
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.996 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060581.D
Acq: 18 Mar 2020 10:58

Tgt Ion:180 Resp: 50167
Ion Ratio Lower Upper
180 100
182 93.7 47.5 142.6
145 32.4 16.3 48.8

