

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060567.D
 Acq On : 17 Mar 2020 19:58
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 18 08:07:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	221891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	371605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	345502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	460995	157.97	ug/l	0.00
Spiked Amount			Recovery	=	315.94%	
35) Dibromofluoromethane	7.56	113	349153	189.56	ug/l	0.00
Spiked Amount			Recovery	=	379.12%	
50) Toluene-d8	10.08	98	1416192	158.09	ug/l	0.00
Spiked Amount			Recovery	=	316.18%	
62) 4-Bromofluorobenzene	12.40	95	530383	157.96	ug/l	0.00
Spiked Amount			Recovery	=	315.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	340393	163.943	ug/l	100
3) Chloromethane	2.03	50	596722	163.418	ug/l	100
4) Vinyl Chloride	2.16	62	475716	154.407	ug/l	99
5) Bromomethane	2.51	94	199681	146.572	ug/l	98
6) Chloroethane	2.67	64	276010	162.459	ug/l	100
7) Trichlorofluoromethane	3.00	101	583806	149.266	ug/l	99
8) Diethyl Ether	3.38	74	241266	161.671	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	339918	153.124	ug/l	100
10) Methyl Iodide	3.92	142	348724	174.295	ug/l	99
11) Tert butyl alcohol	4.73	59	337050	791.055	ug/l	99
12) 1,1-Dichloroethene	3.71	96	357584	150.606	ug/l	98
13) Acrolein	3.57	56	385713	941.365	ug/l	99
14) Allyl chloride	4.29	41	627169	158.139	ug/l	99
15) Acrylonitrile	4.94	53	1048909	914.176	ug/l	100
16) Acetone	3.78	43	819385	863.652	ug/l	99
17) Carbon Disulfide	4.03	76	1115936	162.261	ug/l	99
18) Methyl Acetate	4.28	43	474809	152.741	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	1229890	156.716	ug/l	98
20) Methylene Chloride	4.52	84	401267	155.944	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	382967	142.542	ug/l	94
22) Diisopropyl ether	5.91	45	1381907	169.003	ug/l	97
23) Vinyl Acetate	5.86	43	5604318	861.471	ug/l	98
24) 1,1-Dichloroethane	5.82	63	740715	161.280	ug/l	100
25) 2-Butanone	6.80	43	1383725	903.223	ug/l	100
26) 2,2-Dichloropropane	6.79	77	553672	135.892	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	437359	147.532	ug/l	100
28) Bromochloromethane	7.17	49	352274	179.472	ug/l	100
29) Tetrahydrofuran	7.18	42	957318	895.842	ug/l	100
30) Chloroform	7.35	83	700900	154.393	ug/l	99
31) Cyclohexane	7.63	56	710822	163.379	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	609445	151.751	ug/l	99
36) 1,1-Dichloropropene	7.77	75	563159	156.243	ug/l	99
37) Ethyl Acetate	6.90	43	591824	172.340	ug/l	98
38) Carbon Tetrachloride	7.75	117	516506	149.972	ug/l	98

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

39) Methylcyclohexane	9.07	83	671025	158.032	ug/l	99
40) Benzene	8.02	78	1657954	158.308	ug/l	100
41) Methacrylonitrile	7.18	41	849291	543.564	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	565617	151.365	ug/l	99
43) Isopropyl Acetate	8.14	43	1002939	167.762	ug/l	100
44) Trichloroethene	8.82	130	419367	145.435	ug/l	98
45) 1,2-Dichloropropane	9.10	63	447318	163.602	ug/l	98
46) Dibromomethane	9.19	93	272074	154.575	ug/l	99
47) Bromodichloromethane	9.39	83	570886	159.560	ug/l	99
48) Methyl methacrylate	9.18	41	470324	172.746	ug/l	99
49) 1,4-Dioxane	9.18	88	107479	2847.337	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	2826200	832.110	ug/l	97
52) Toluene	10.14	92	1023419	156.454	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	658714	150.481	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	707625	155.559	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	385224	147.206	ug/l	99
56) Ethyl methacrylate	10.42	69	671730	177.014	ug/l	99
57) 1,3-Dichloropropane	10.70	76	681697	158.862	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1619800	819.677	ug/l	100
59) 2-Hexanone	10.74	43	2121382	851.577	ug/l	98
60) Dibromochloromethane	10.89	129	425532	159.954	ug/l	100
61) 1,2-Dibromoethane	11.00	107	405884	158.645	ug/l	100
64) Tetrachloroethene	10.62	164	398852	130.510	ug/l	99
65) Chlorobenzene	11.43	112	1045549	149.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	384075	149.245	ug/l	98
67) Ethyl Benzene	11.50	91	1942764	151.597	ug/l	98
68) m/p-Xylenes	11.62	106	1455912	301.269	ug/l	96
69) o-Xylene	11.94	106	700046	152.016	ug/l	99
70) Styrene	11.96	104	1209538	159.902	ug/l	100
71) Bromoform	12.12	173	317684	170.210	ug/l #	99
73) Isopropylbenzene	12.25	105	1830826	145.516	ug/l	99
74) N-amyl acetate	12.06	43	911409	163.923	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	563766	162.418	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	787199	214.075	ug/l #	100
77) Bromobenzene	12.52	156	451765	146.985	ug/l	99
78) n-propylbenzene	12.59	91	2185216	147.828	ug/l	99
79) 2-Chlorotoluene	12.67	91	1308596	150.301	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1581422	149.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	220490	163.004	ug/l	99
82) 4-Chlorotoluene	12.77	91	1360231	148.535	ug/l	100
83) tert-Butylbenzene	12.99	119	1305444	143.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1585733	148.508	ug/l	99
85) sec-Butylbenzene	13.17	105	1767678	144.564	ug/l	99
86) p-Isopropyltoluene	13.28	119	1603767	142.015	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	807548	140.447	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	805351	140.377	ug/l	99
89) n-Butylbenzene	13.61	91	1494200	144.213	ug/l	99
90) Hexachloroethane	13.87	117	258902	158.625	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	763401	141.990	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	118887	153.260	ug/l	99

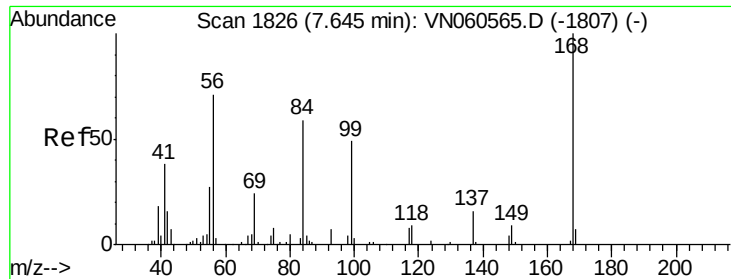
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	506903	133.934	ug/l	99
94) Hexachlorobutadiene	15.01	225	226507	126.065	ug/l	99
95) Naphthalene	15.13	128	1535125	140.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	481106	135.082	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

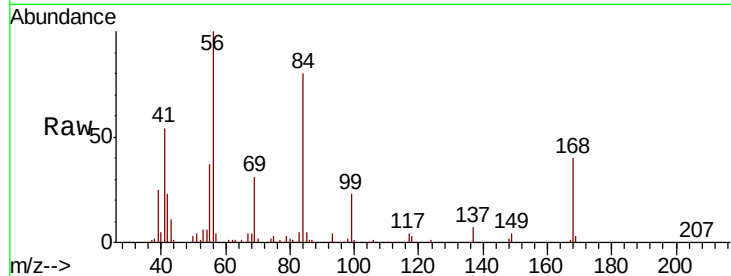
VSTDIC150

Tot Ion:168 Resp: 221891

Ion Ratio Lower Upper

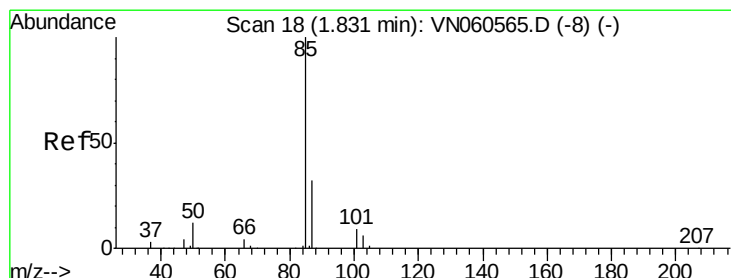
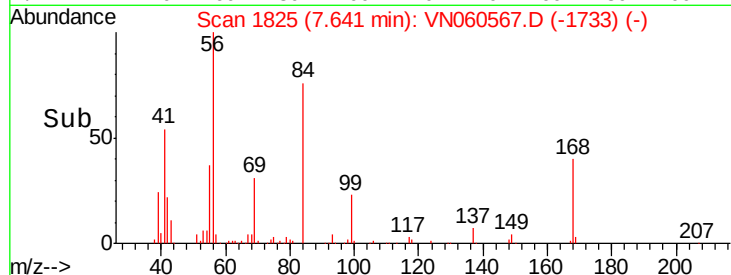
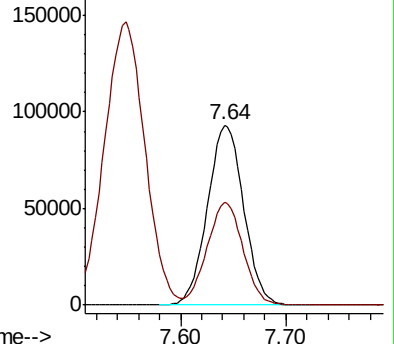
168 100

99 57.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 163.943 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060567.D

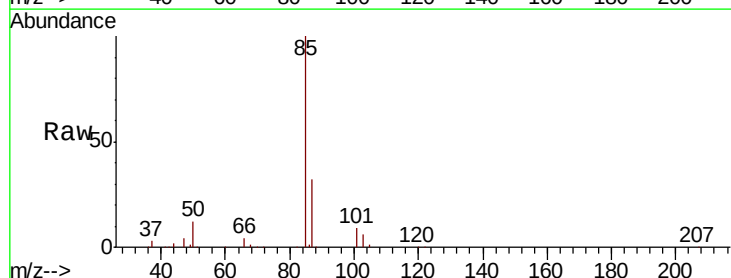
Acq: 17 Mar 2020 19:58

Tgt Ion: 85 Resp: 340393

Ion Ratio Lower Upper

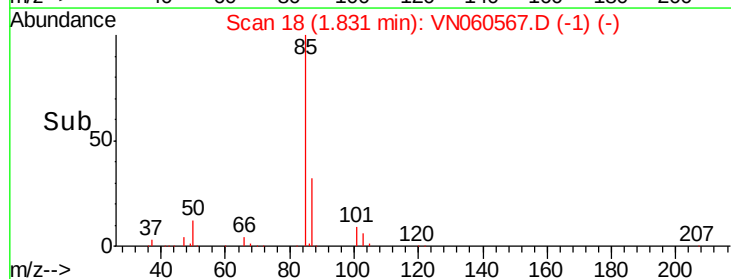
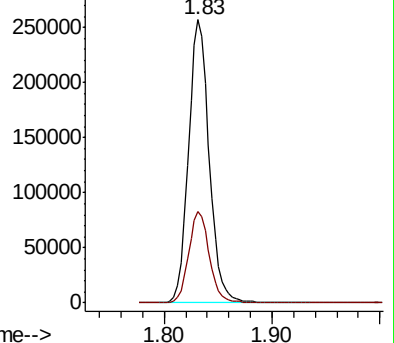
85 100

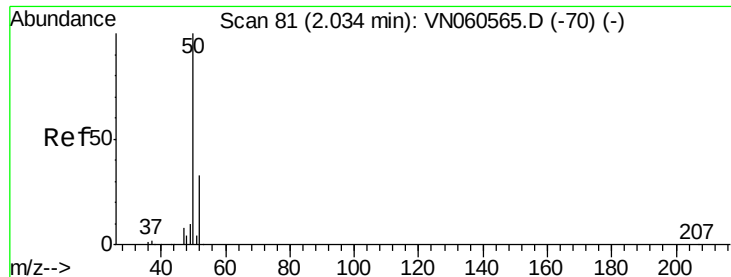
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 163.418 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

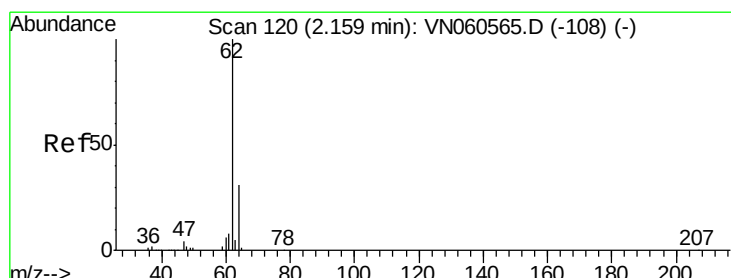
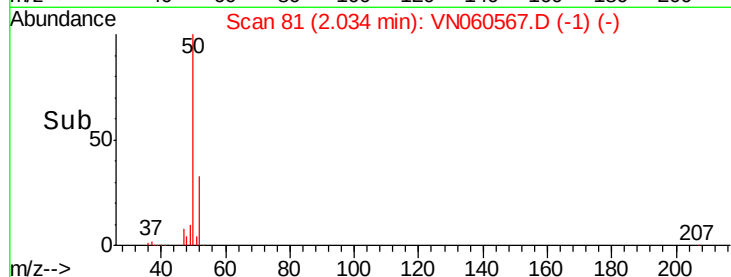
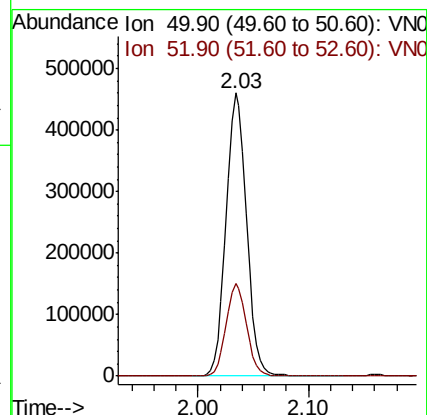
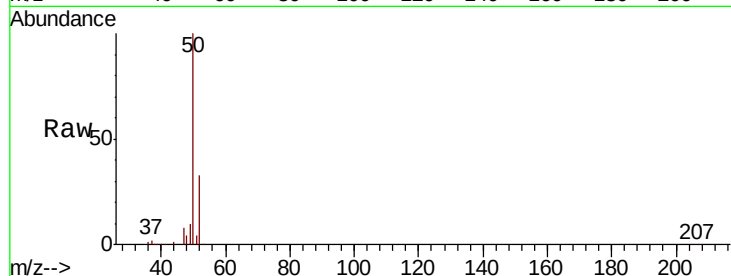
VSTDIC150

Tot Ion: 50 Resp: 596722

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2



#4

Vinyl Chloride

Concen: 154.407 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN060567.D

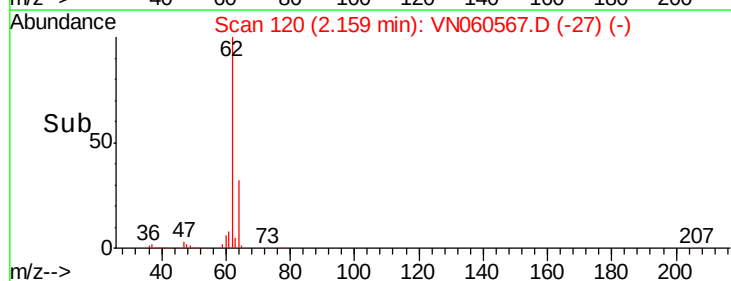
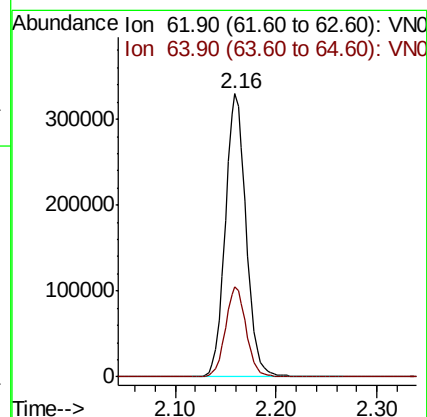
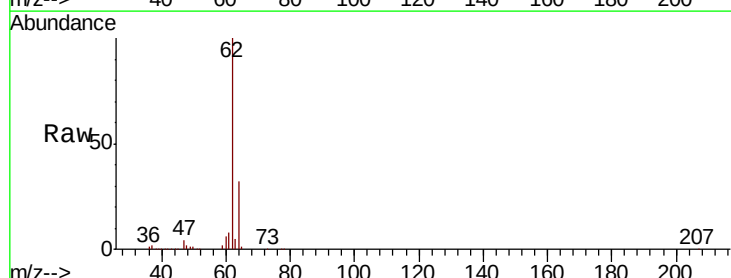
Acq: 17 Mar 2020 19:58

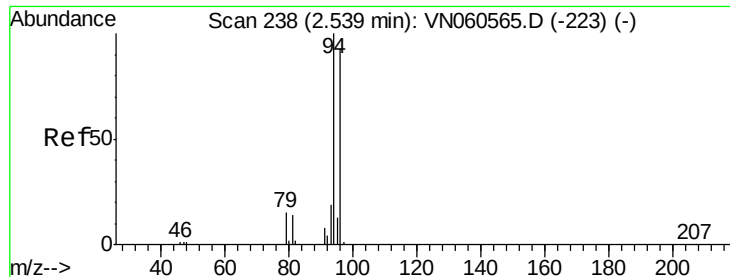
Tgt Ion: 62 Resp: 475716

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 146.572 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.03 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampled :

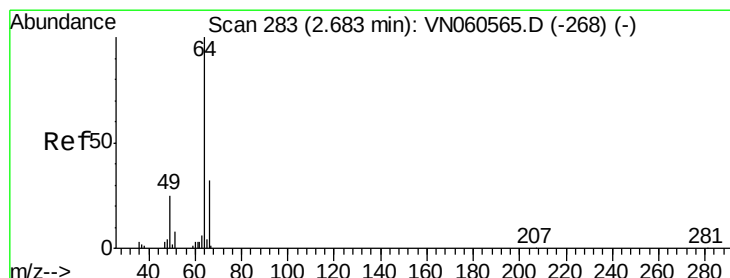
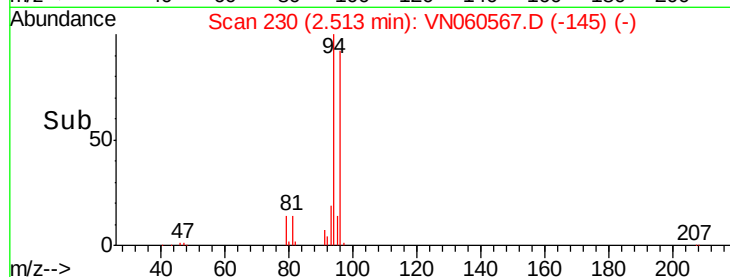
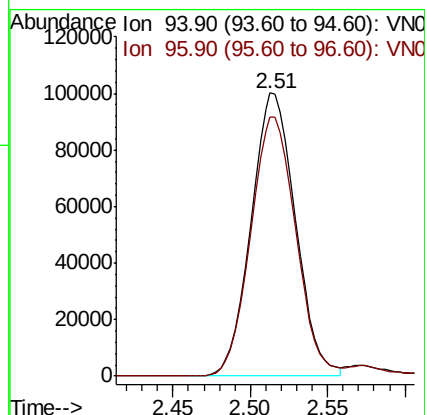
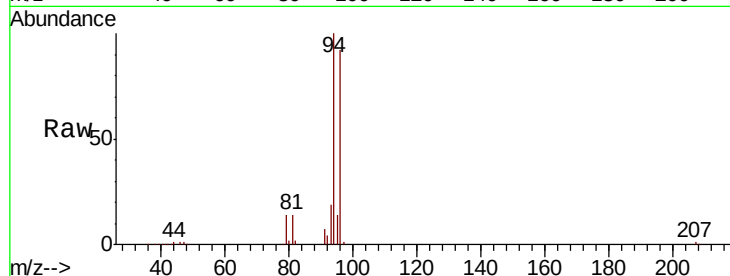
VSTDIC150

Tot Ion: 94 Resp: 199681

Ion Ratio Lower Upper

94 100

96 91.5 74.6 112.0



#6

Chloroethane

Concen: 162.459 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN060567.D

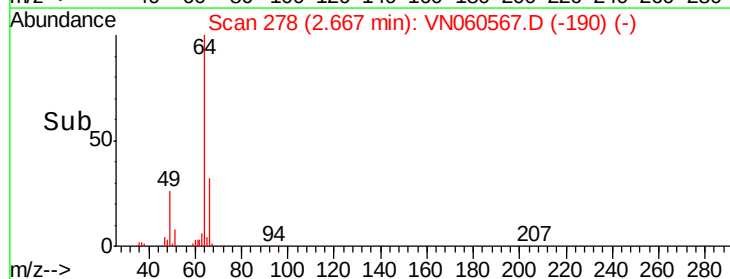
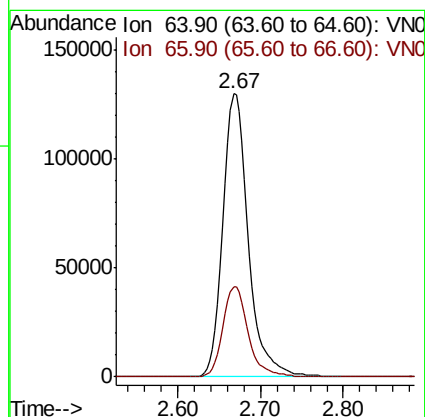
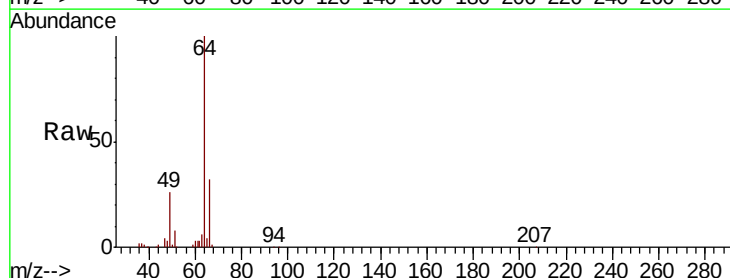
Acq: 17 Mar 2020 19:58

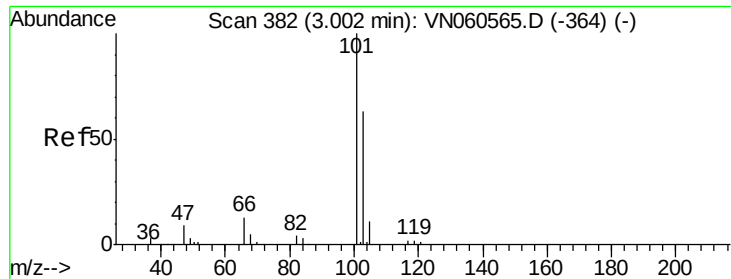
Tgt Ion: 64 Resp: 276010

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9



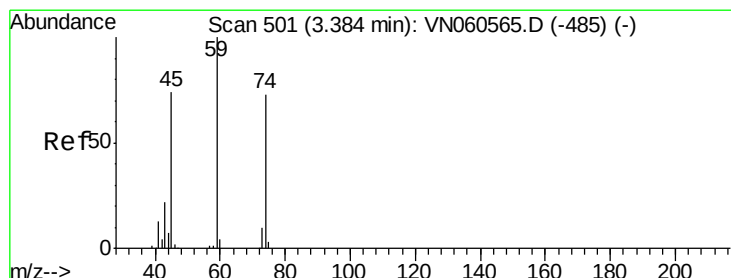
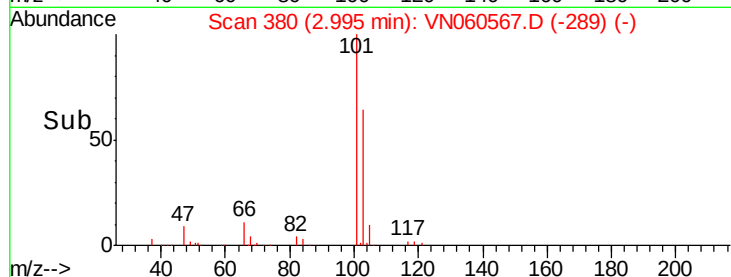
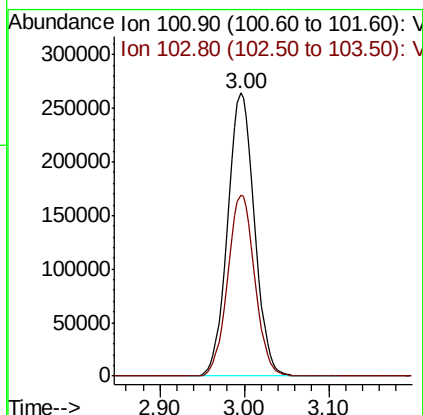
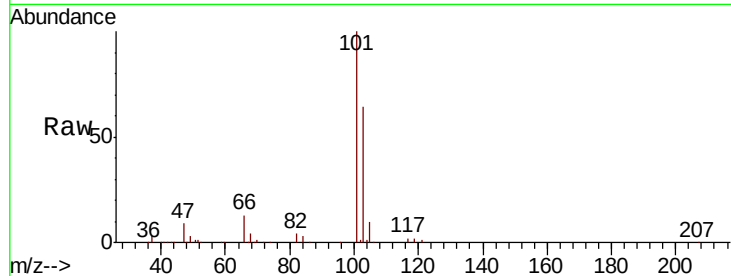


#7

Trichlorofluoromethane
 Concen: 149.266 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

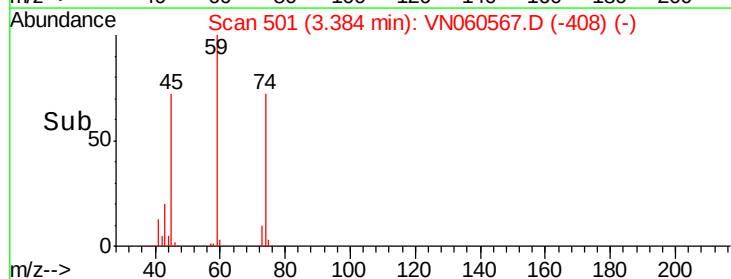
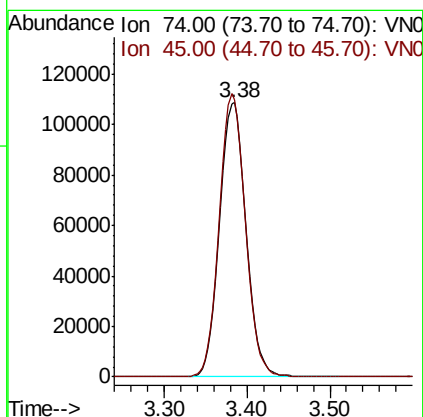
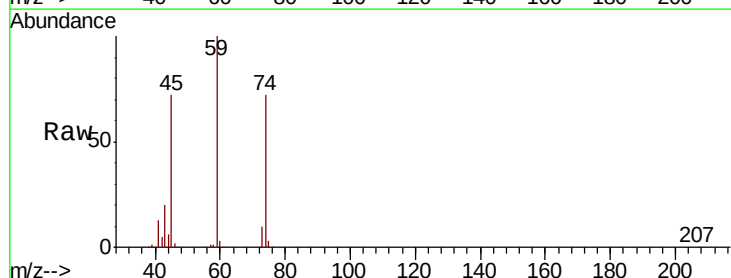
Tot Ion:101 Resp: 583806
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.6 76.0

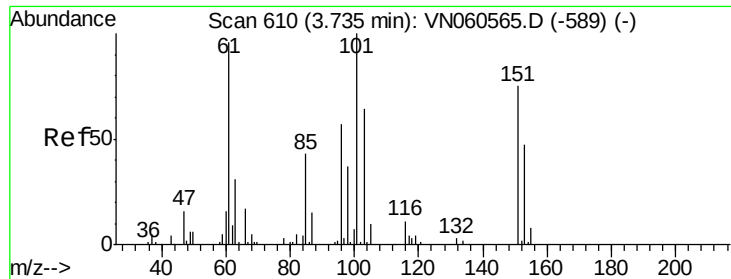


#8

Diethyl Ether
 Concen: 161.671 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion: 74 Resp: 241266
 Ion Ratio Lower Upper
 74 100
 45 101.5 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.124 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

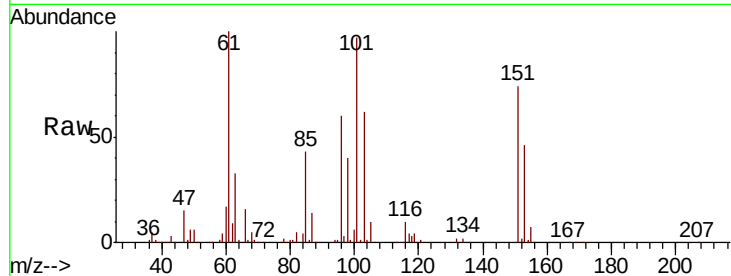
Tot Ion:101 Resp: 339918

Ion Ratio Lower Upper

101 100

85 43.9 35.6 53.4

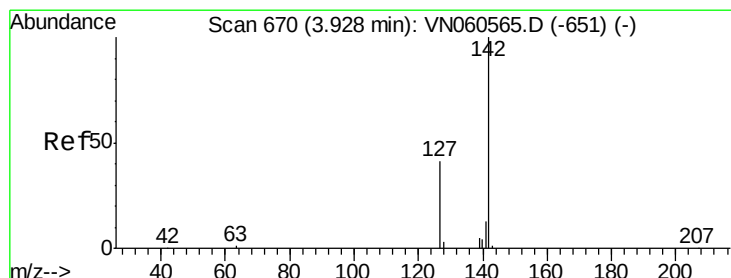
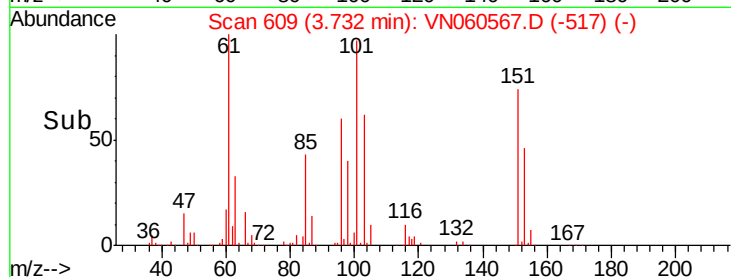
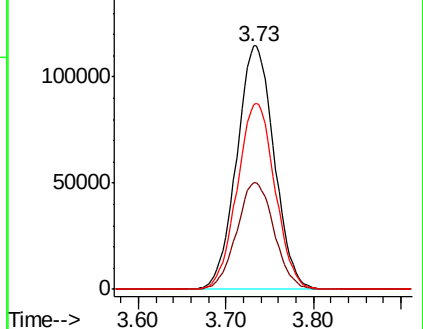
151 76.9 61.4 92.2



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: 174.295 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

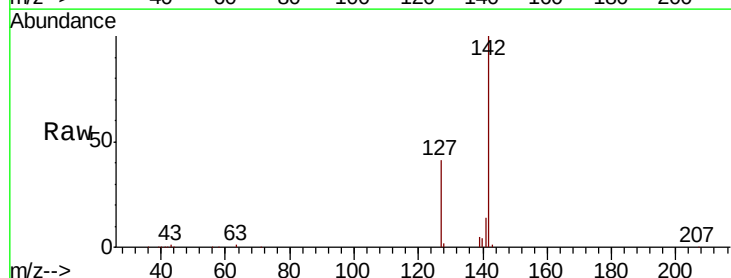
Tgt Ion:142 Resp: 348724

Ion Ratio Lower Upper

142 100

127 41.0 33.5 50.3

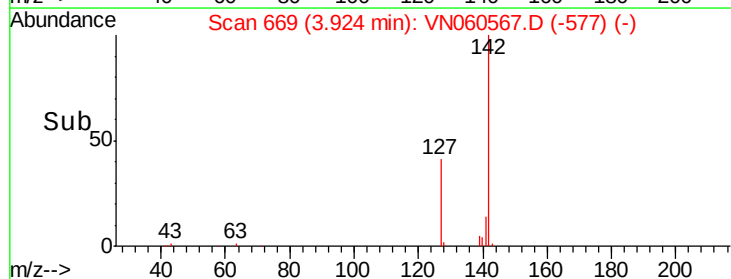
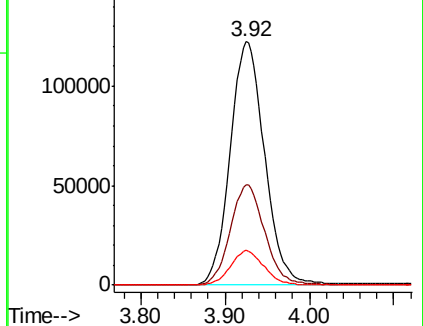
141 13.8 11.0 16.6

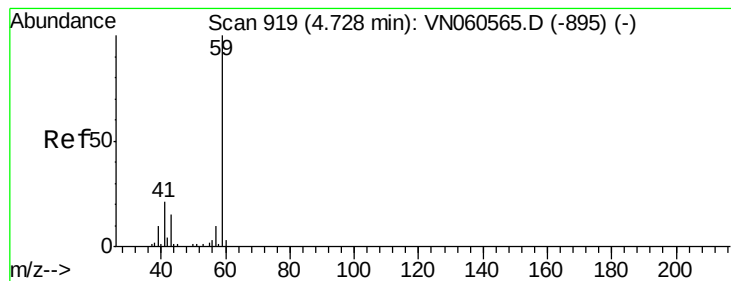


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



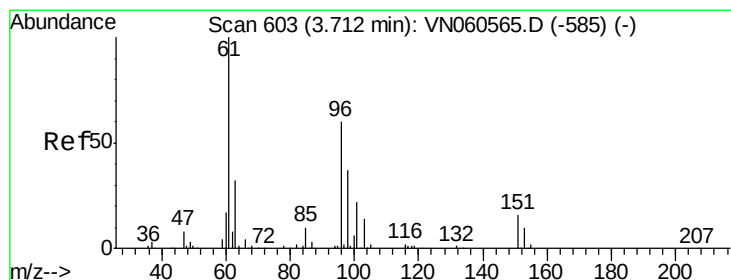
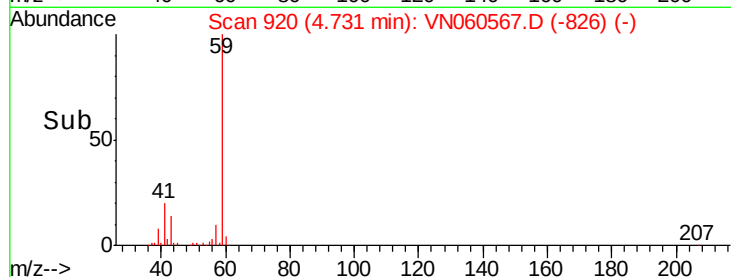
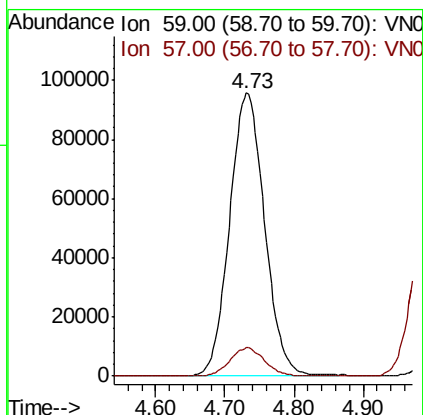
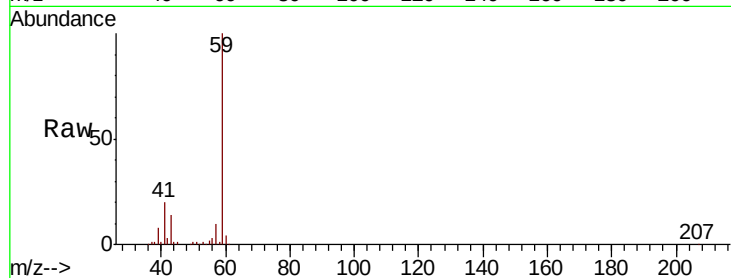


#11

Tert butyl alcohol
 Concen: 791.055 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

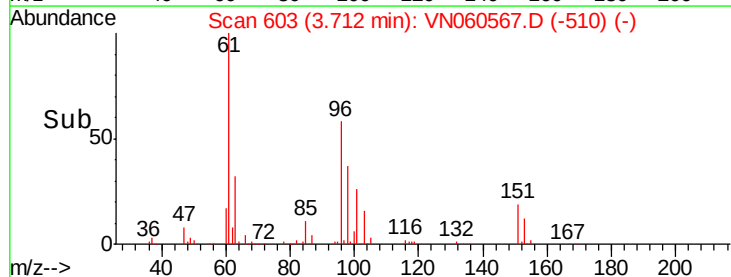
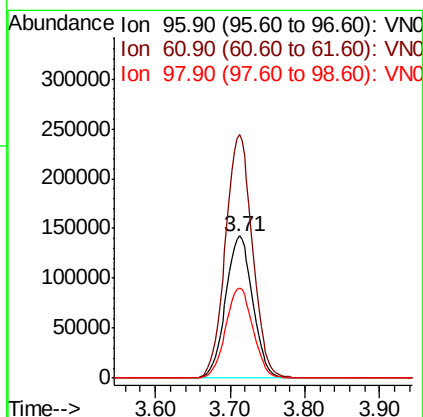
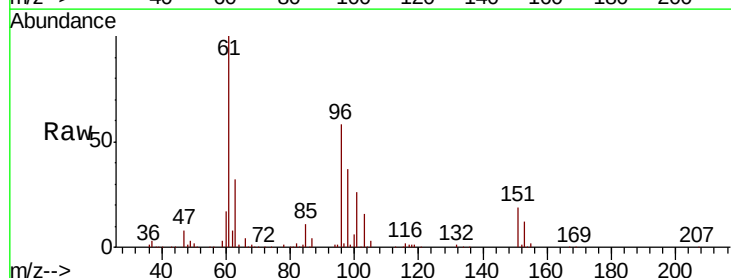
Tot Ion: 59 Resp: 337050
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

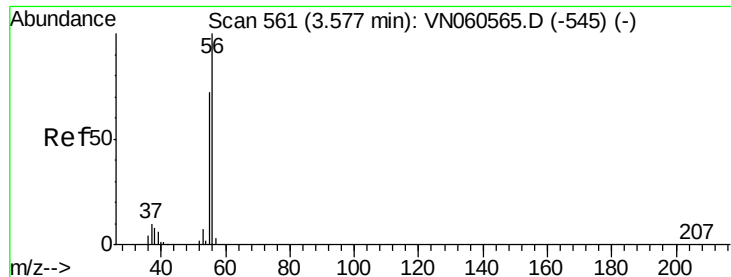


#12

1,1-Dichloroethene
 Concen: 150.606 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion: 96 Resp: 357584
 Ion Ratio Lower Upper
 96 100
 61 171.1 134.1 201.1
 98 63.5 49.9 74.9





#13

Acrolein

Concen: 941.365 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

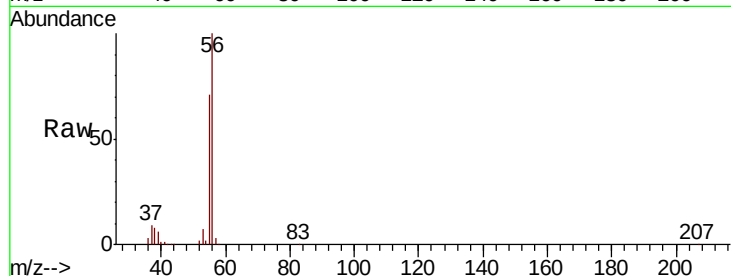
VSTDIC150

Tot Ion: 56 Resp: 385713

Ion Ratio Lower Upper

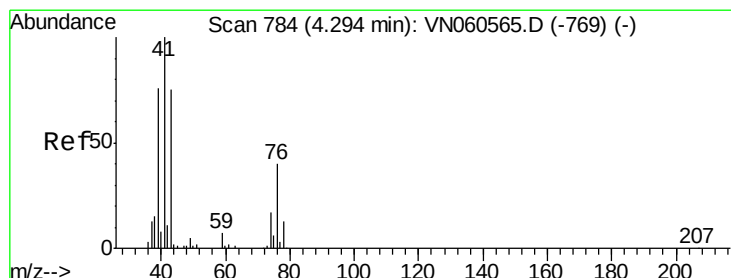
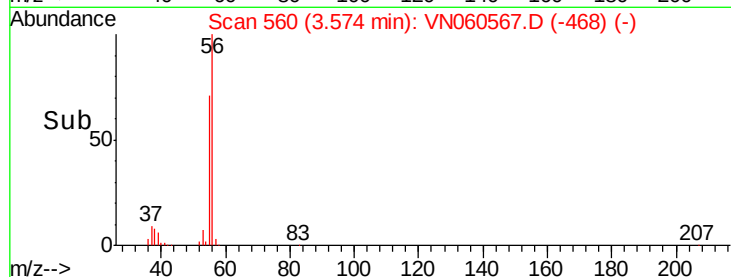
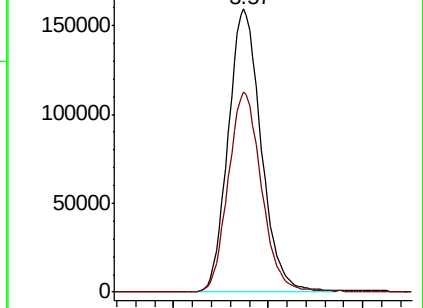
56 100

55 71.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN060567.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN060567.D (-468) (-)



#14

Allyl chloride

Concen: 158.139 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

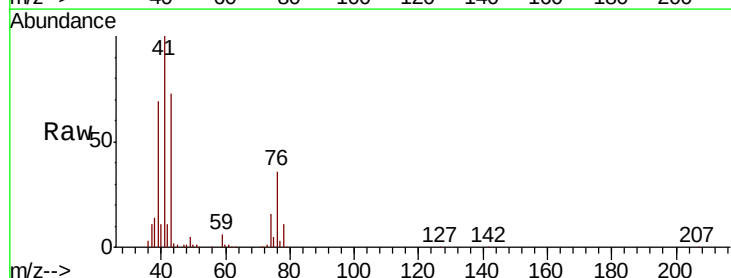
Tgt Ion: 41 Resp: 627169

Ion Ratio Lower Upper

41 100

39 70.8 57.8 86.8

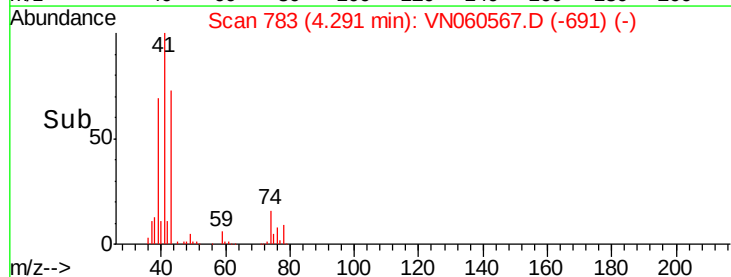
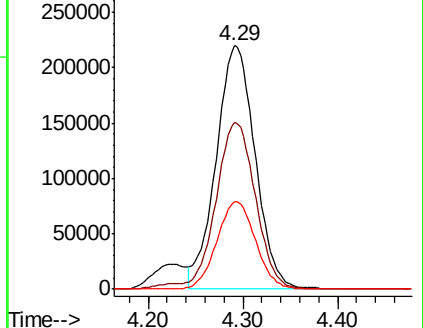
76 35.9 28.6 43.0

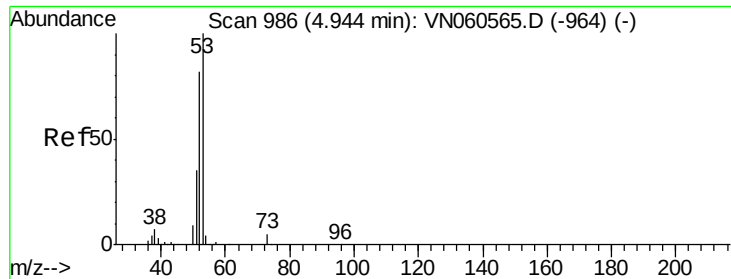


Abundance Ion 41.00 (40.70 to 41.70): VN060567.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060567.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060567.D (-691) (-)





#15

Acrylonitrile

Concen: 914.176 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

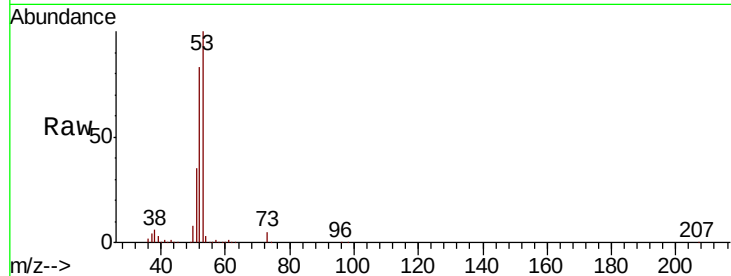
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1048909

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.4
51	35.6	28.7	43.1

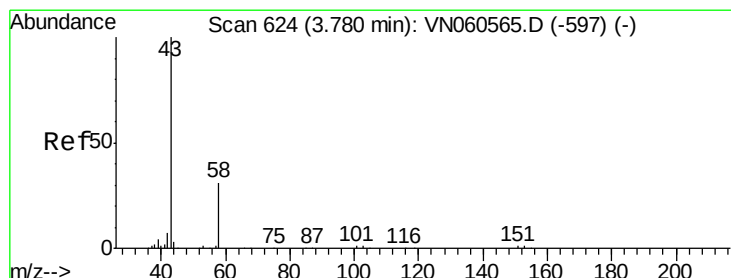
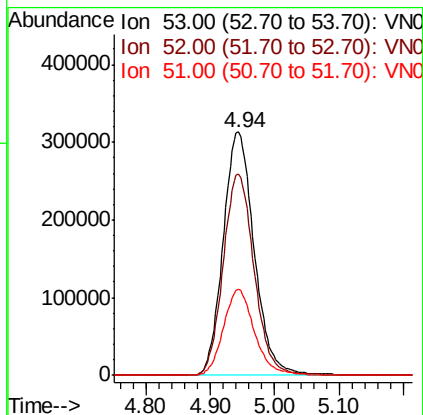
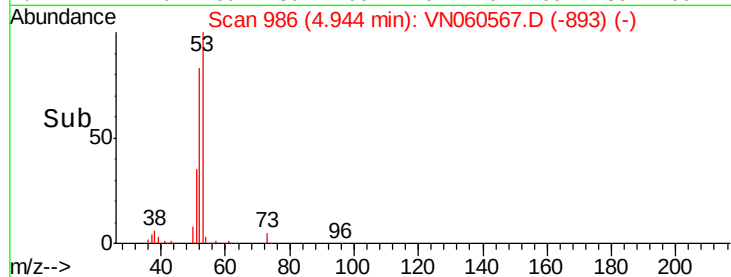


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 863.652 ug/l

RT: 3.78 min Scan# 624

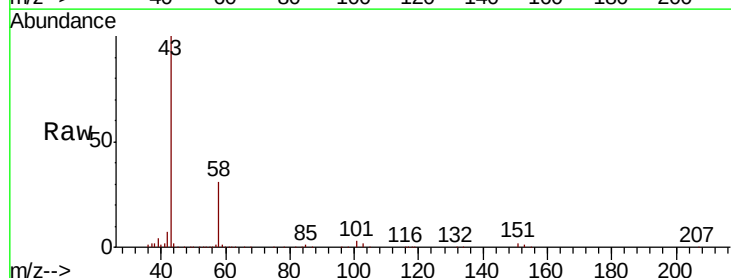
Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Tgt Ion: 43 Resp: 819385

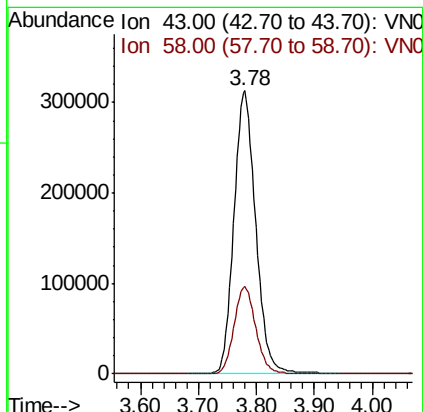
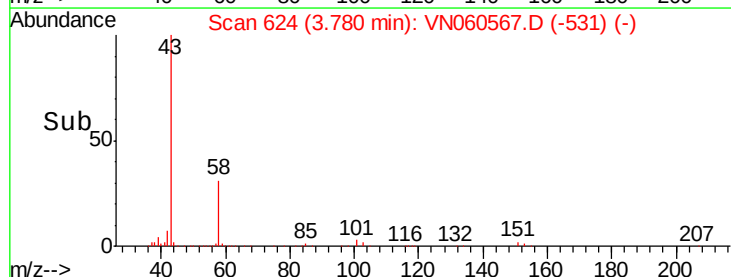
Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.1	37.7

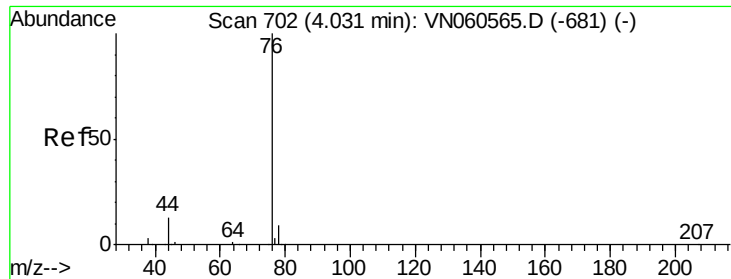


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 162.261 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

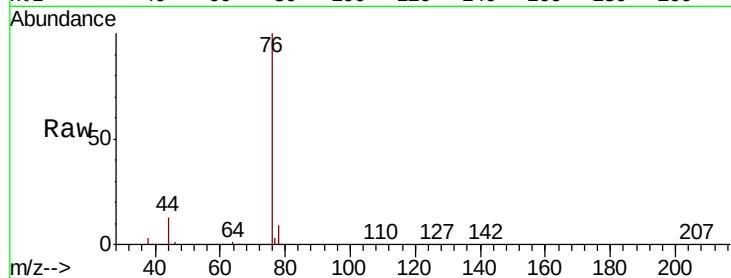
VSTDIC150

Tot Ion: 76 Resp: 1115936

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060567.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060567.D (-681) (-)

4.03

400000

300000

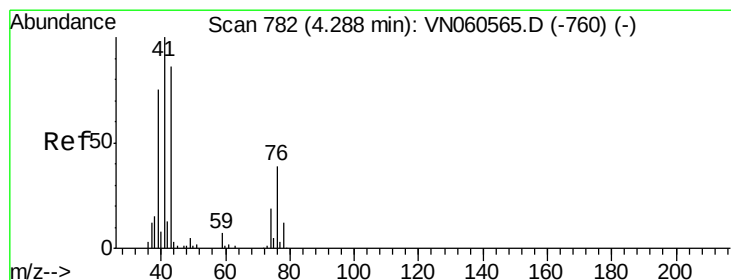
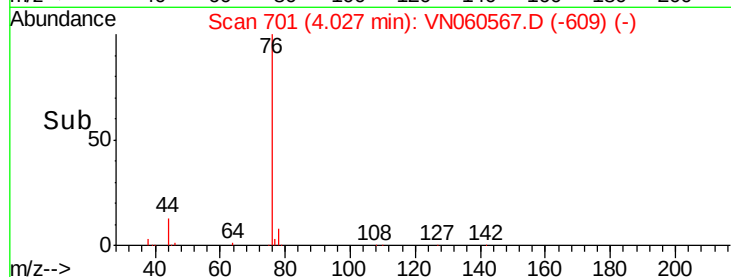
200000

100000

0

3.90 4.00 4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 152.741 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060567.D

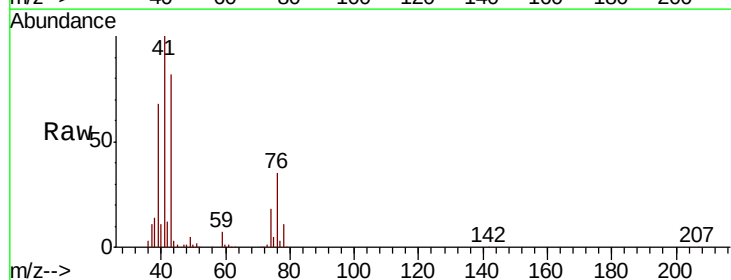
Acq: 17 Mar 2020 19:58

Tgt Ion: 43 Resp: 474809

Ion Ratio Lower Upper

43 100

74 22.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060567.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060567.D (-689) (-)

4.28

200000

150000

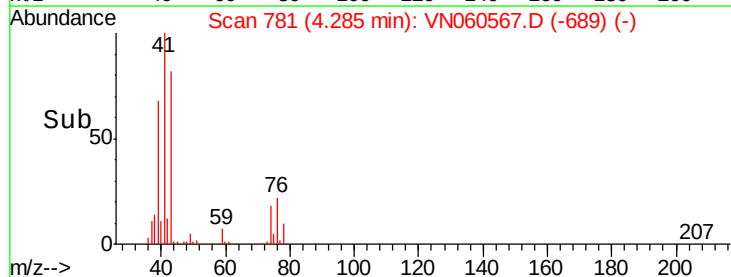
100000

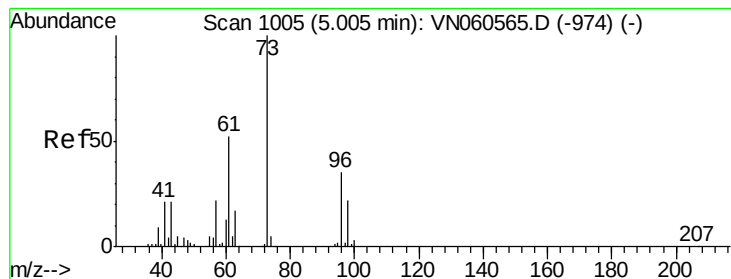
50000

0

4.20 4.30 4.40 4.50

Time-->





#19

Methyl tert-butyl Ether

Concen: 156.716 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

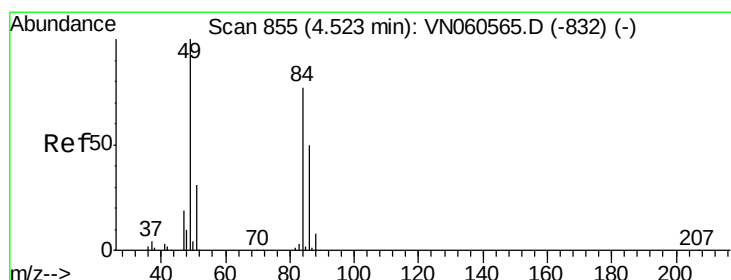
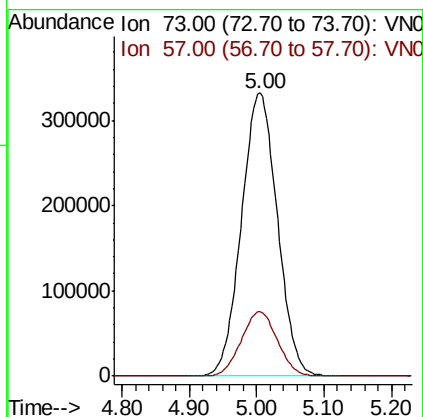
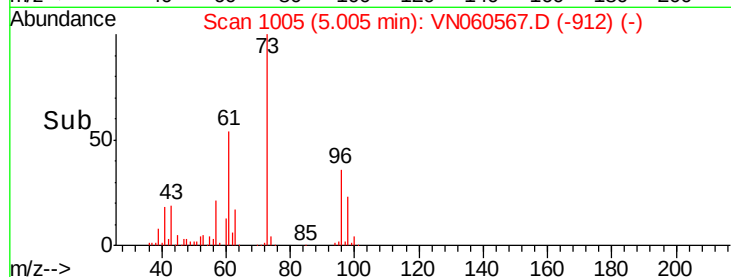
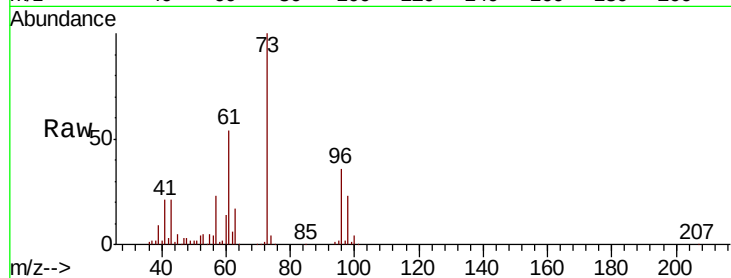
VSTDIC150

Tot Ion: 73 Resp: 1229890

Ion Ratio Lower Upper

73 100

57 22.9 17.5 26.3



#20

Methylene Chloride

Concen: 155.944 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Tgt Ion: 84 Resp: 401267

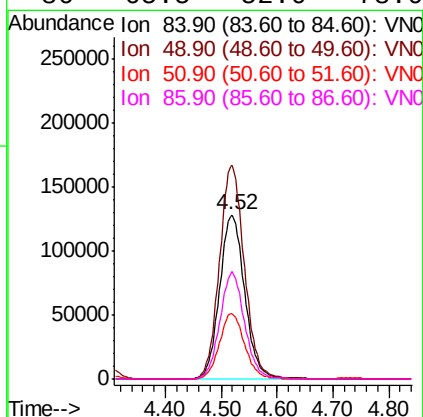
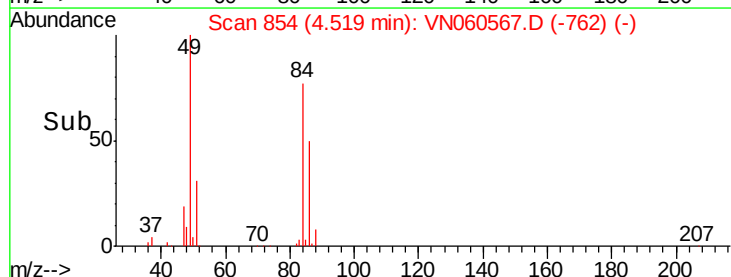
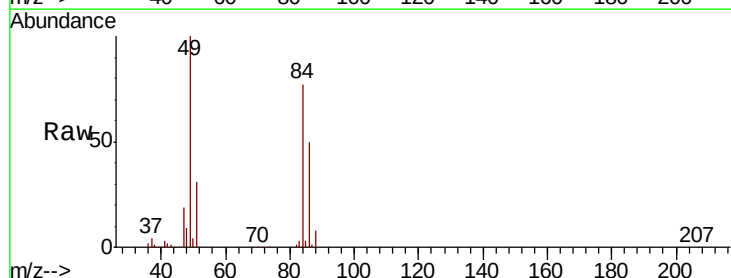
Ion Ratio Lower Upper

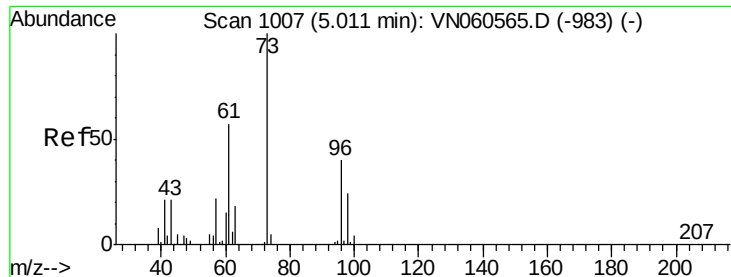
84 100

49 130.1 103.3 154.9

51 39.9 31.6 47.4

86 65.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 142.542 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

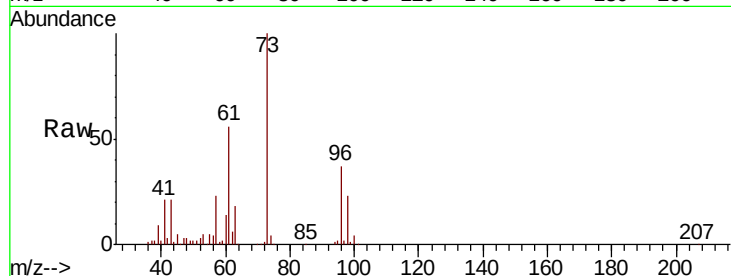
Tot Ion: 96 Resp: 382967

Ion Ratio Lower Upper

96 100

61 151.2 114.4 171.6

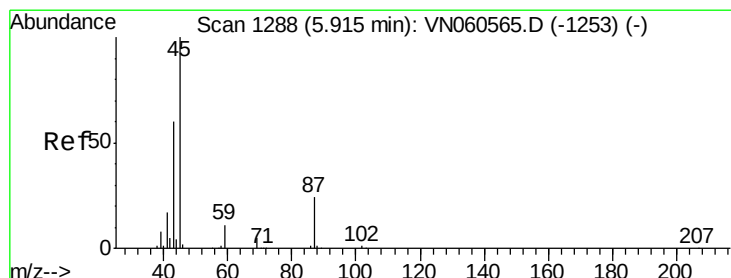
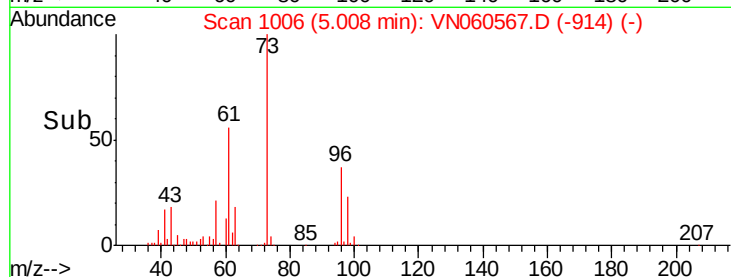
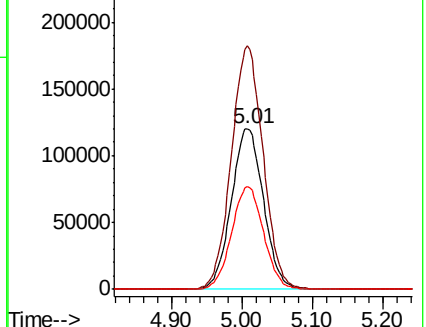
98 63.8 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060567.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN060567.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN060567.D (-983) (-)



#22

Diisopropyl ether

Concen: 169.003 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Tgt Ion: 45 Resp: 1381907

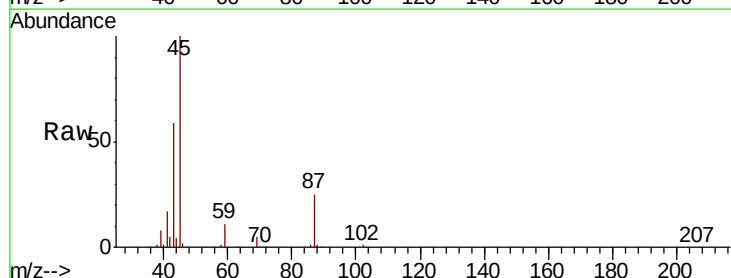
Ion Ratio Lower Upper

45 100

43 58.6 49.8 74.8

87 25.5 20.1 30.1

59 11.3 9.2 13.8

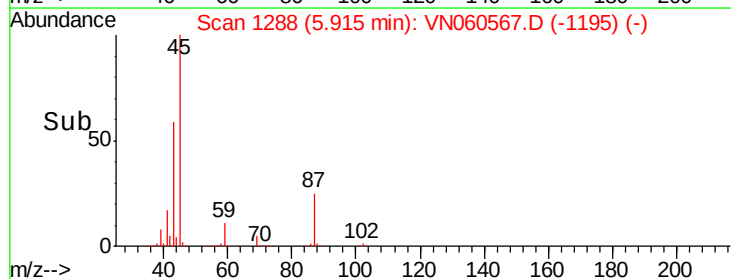
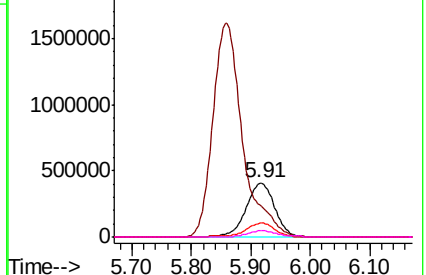


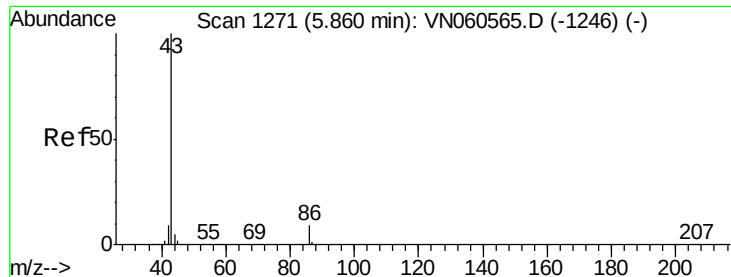
Abundance Ion 45.00 (44.70 to 45.70): VN060567.D (-1253) (-)

Ion 43.00 (42.70 to 43.70): VN060567.D (-1253) (-)

Ion 87.00 (86.70 to 87.70): VN060567.D (-1253) (-)

Ion 59.00 (58.70 to 59.70): VN060567.D (-1253) (-)





#23

Vinyl Acetate

Concen: 861.471 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

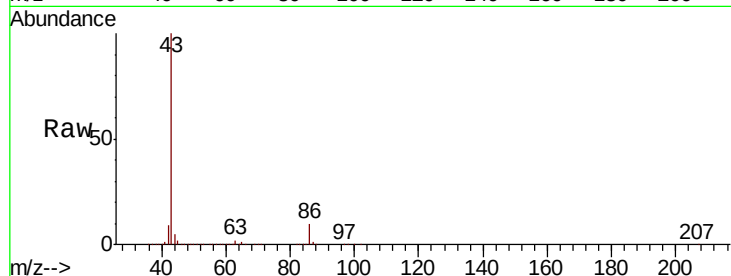
VSTDIC150

Tot Ion: 43 Resp: 5604318

Ion Ratio Lower Upper

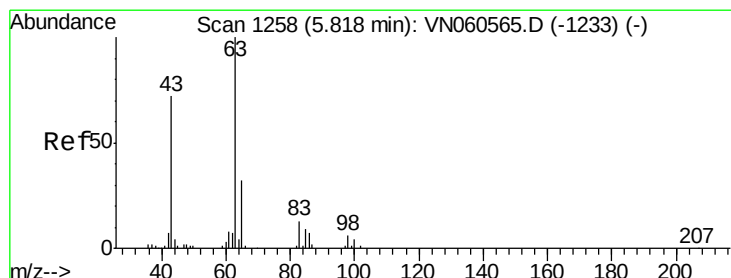
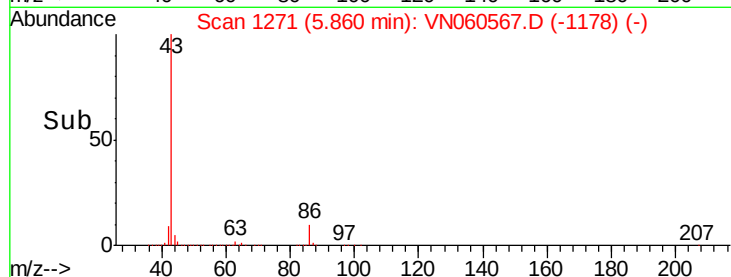
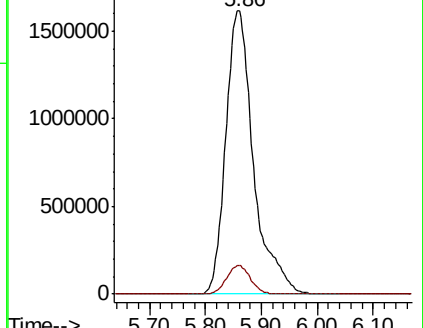
43 100

86 10.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060567.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060567.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 161.280 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

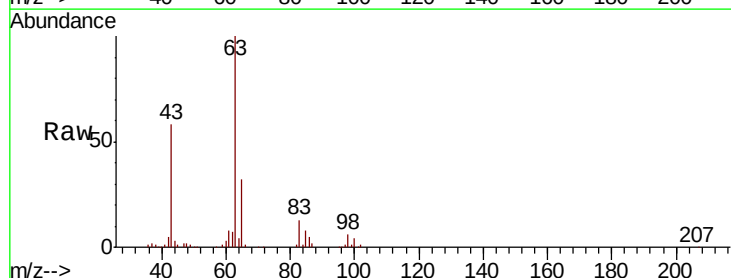
Tgt Ion: 63 Resp: 740715

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

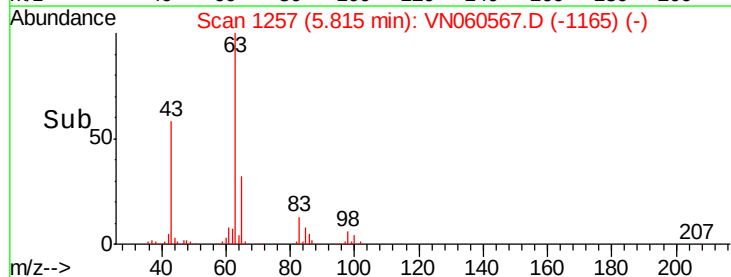
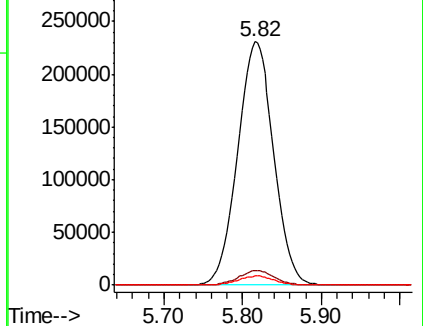
100 3.7 1.8 5.5

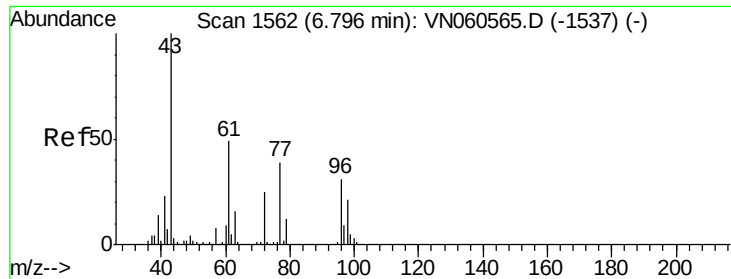


Abundance Ion 62.90 (62.60 to 63.60): VN060567.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060567.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060567.D (-1165) (-)





#25

2-Butanone

Concen: 903.223 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampled :

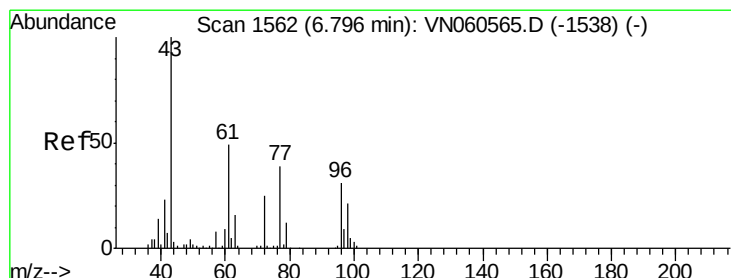
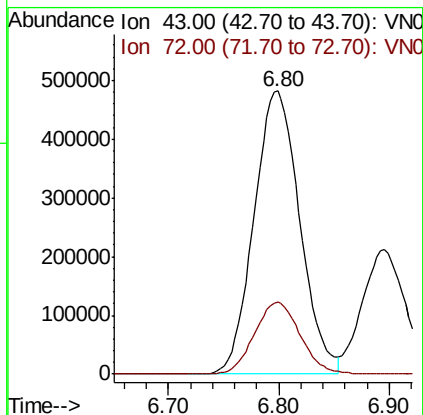
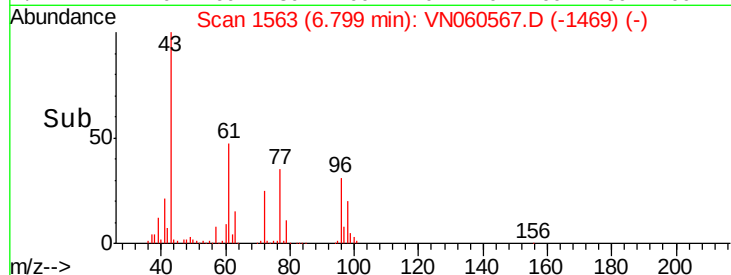
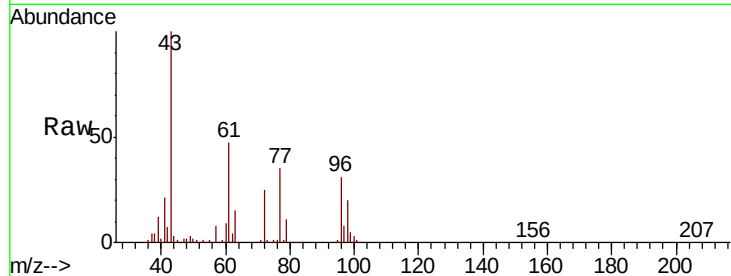
VSTDIC150

Tot Ion: 43 Resp: 1383725

Ion Ratio Lower Upper

43 100

72 25.4 20.4 30.6



#26

2,2-Dichloropropane

Concen: 135.892 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060567.D

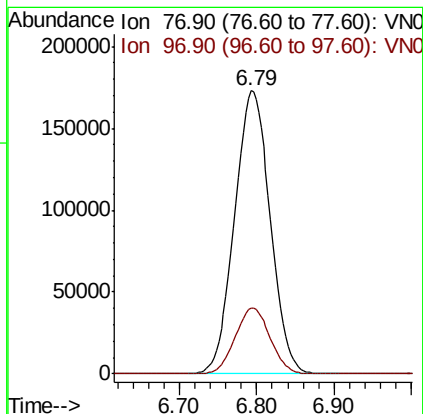
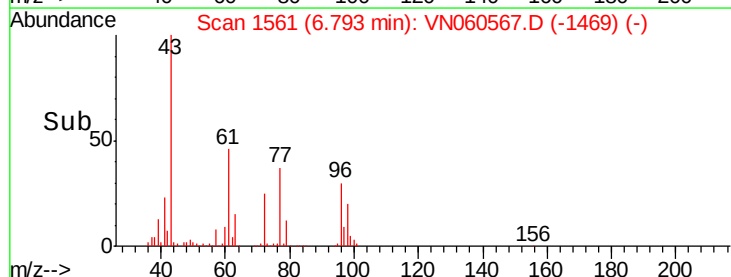
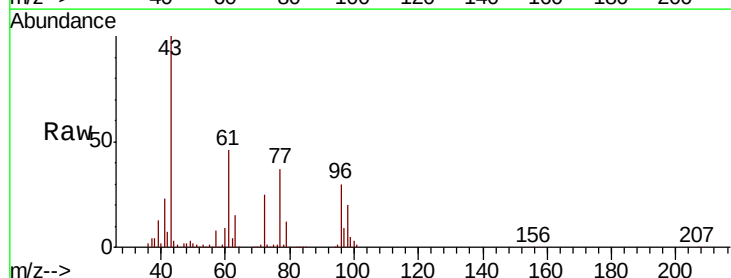
Acq: 17 Mar 2020 19:58

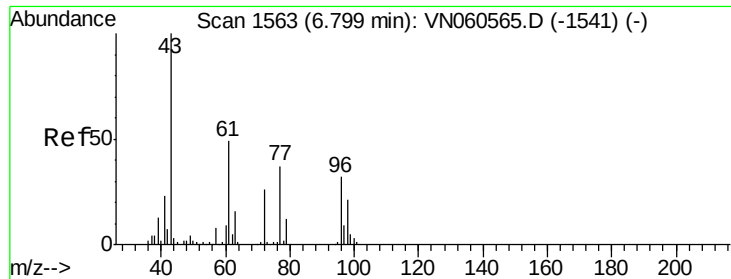
Tgt Ion: 77 Resp: 553672

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 147.532 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

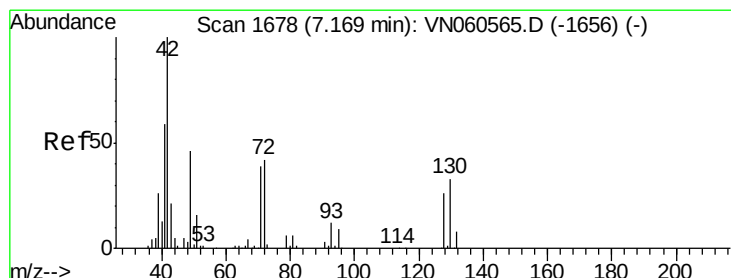
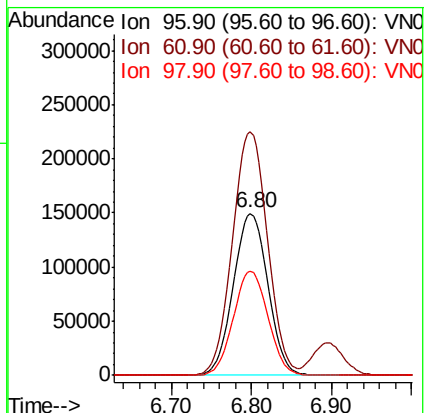
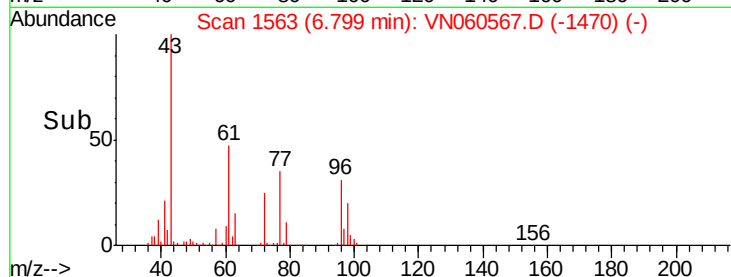
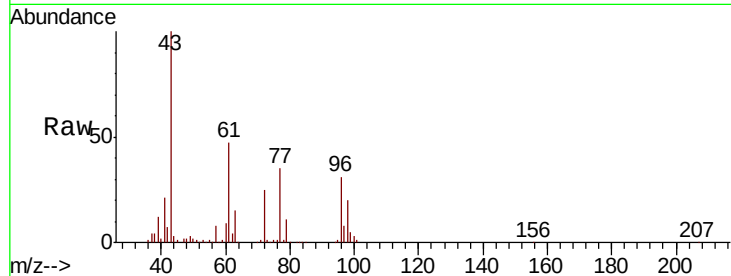
Tot Ion: 96 Resp: 437359

Ion Ratio Lower Upper

96 100

61 152.6 0.0 305.6

98 64.5 0.0 127.6



#28

Bromochloromethane

Concen: 179.472 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

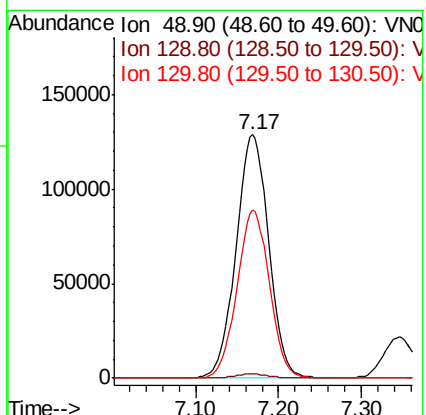
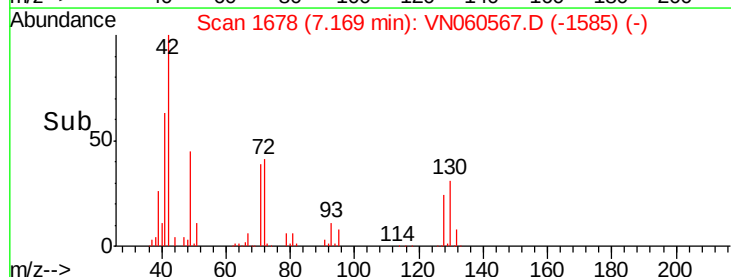
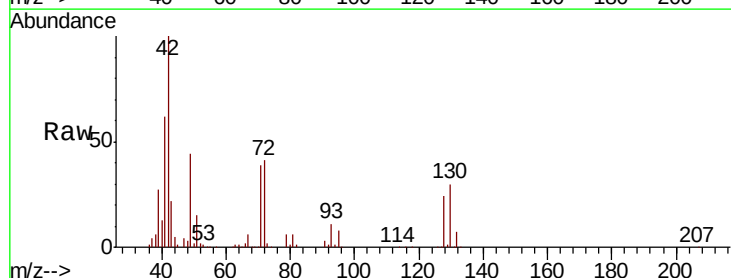
Tgt Ion: 49 Resp: 352274

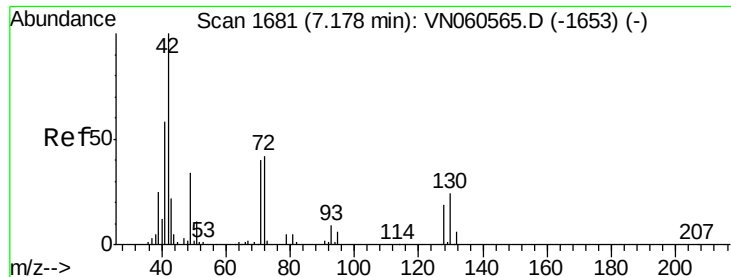
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

130 68.6 55.0 82.4





#29

Tetrahydrofuran

Concen: 895.842 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

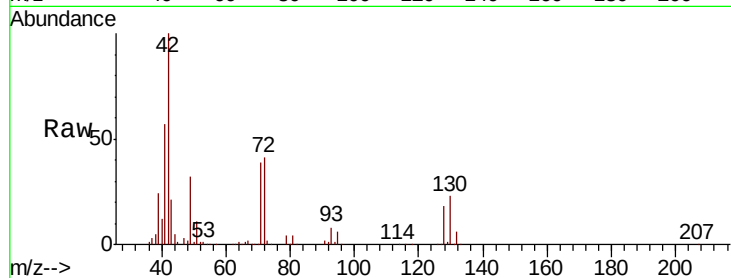
Tot Ion: 42 Resp: 957318

Ion Ratio Lower Upper

42 100

72 41.0 33.2 49.8

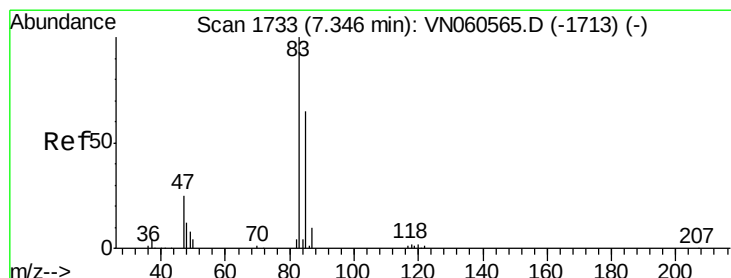
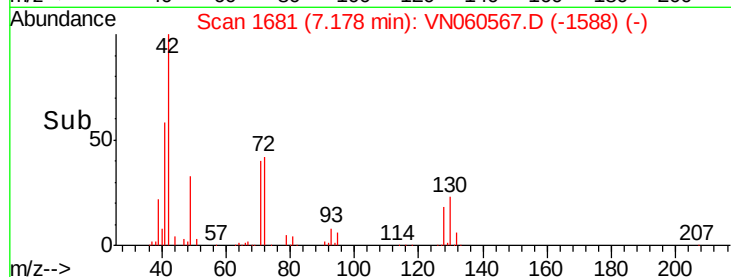
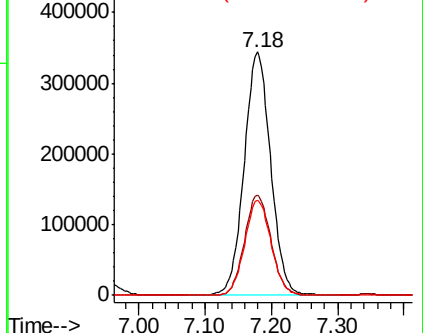
71 38.9 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 154.393 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060567.D

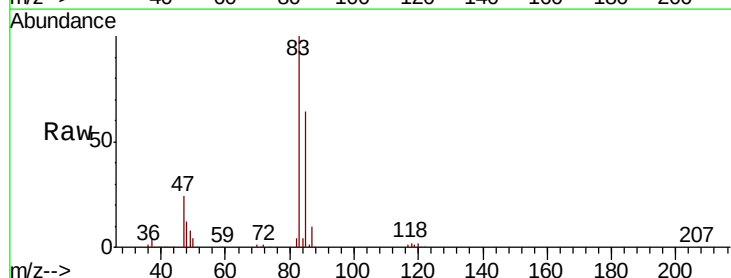
Acq: 17 Mar 2020 19:58

Tgt Ion: 83 Resp: 700900

Ion Ratio Lower Upper

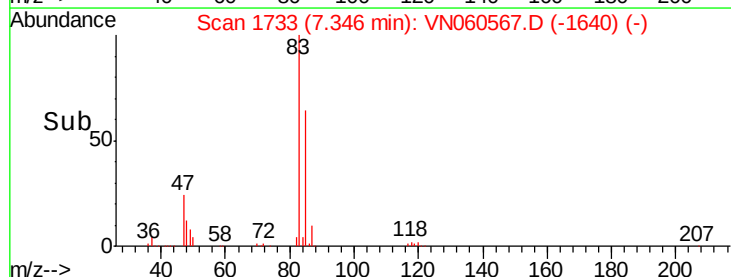
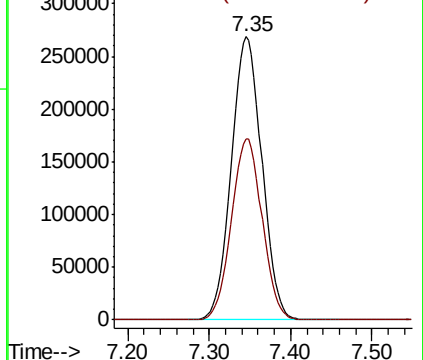
83 100

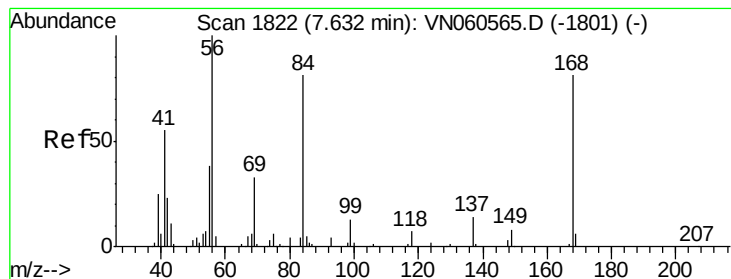
85 63.9 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 163.379 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

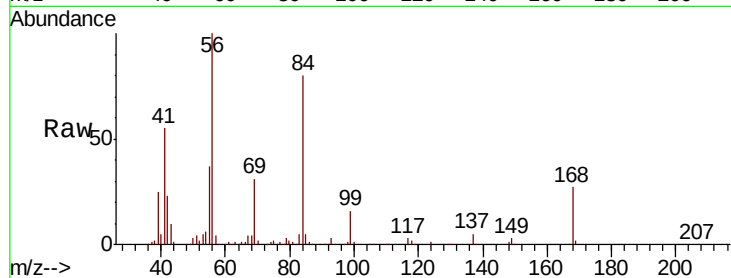
Tot Ion: 56 Resp: 710822

Ion Ratio Lower Upper

56 100

69 30.5 26.6 40.0

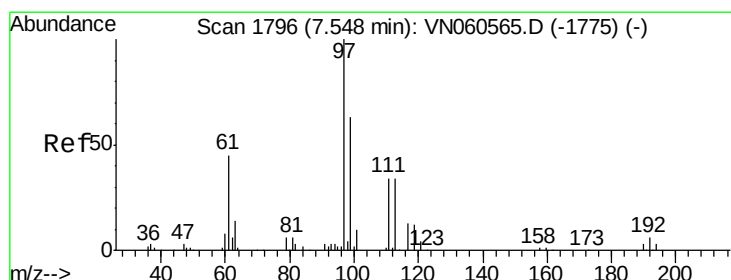
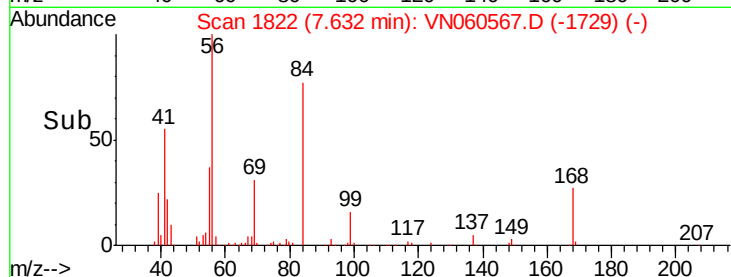
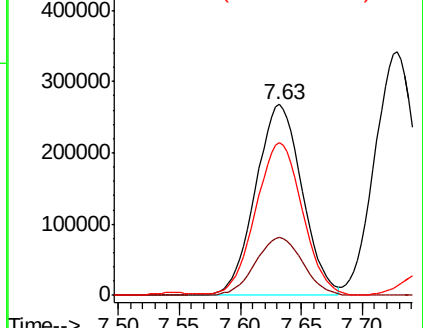
84 79.3 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060567.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060567.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060567.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 151.751 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

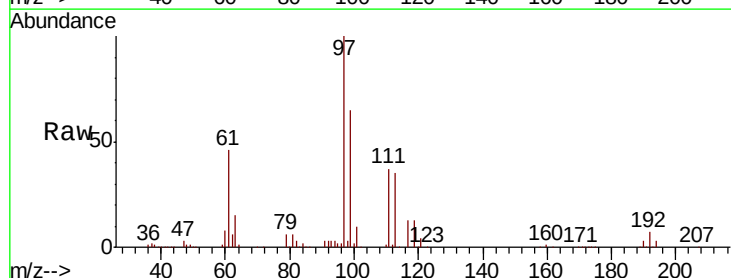
Tgt Ion: 97 Resp: 609445

Ion Ratio Lower Upper

97 100

99 64.8 50.6 75.8

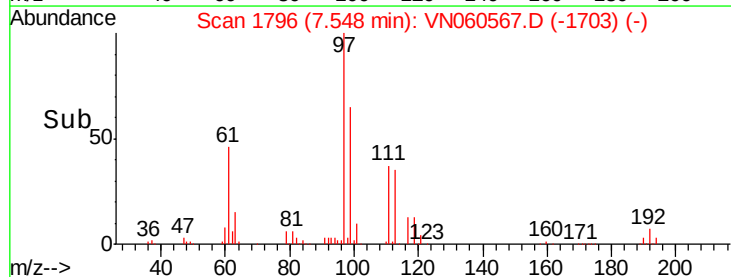
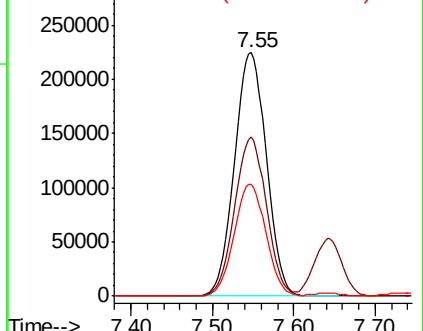
61 45.7 36.2 54.4

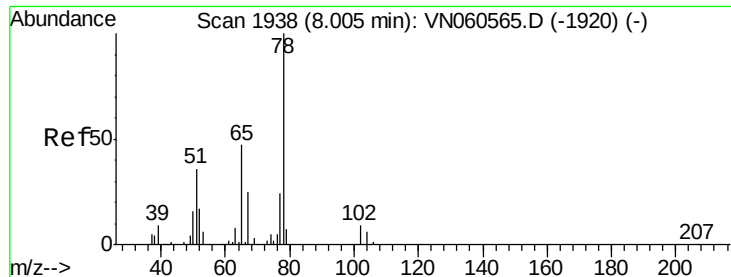


Abundance Ion 96.90 (96.60 to 97.60): VN060567.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060567.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060567.D (-1703) (-)

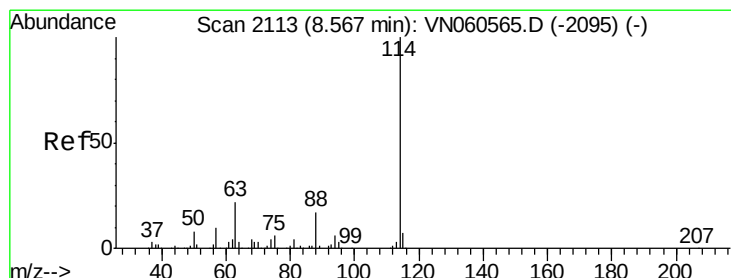
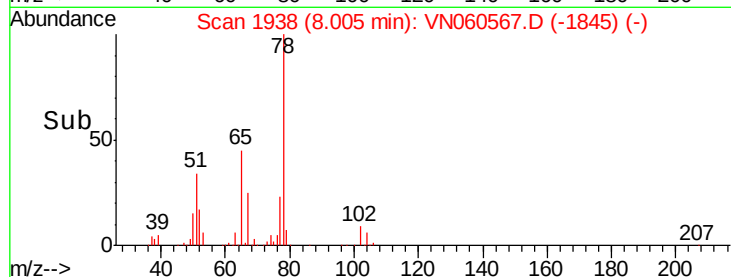
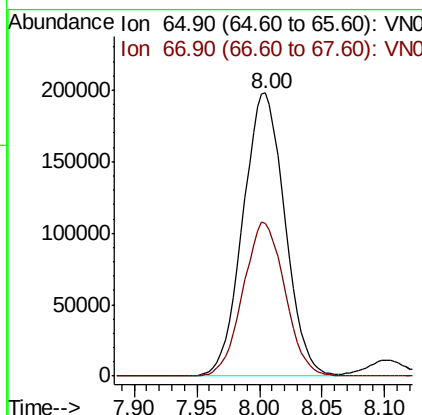
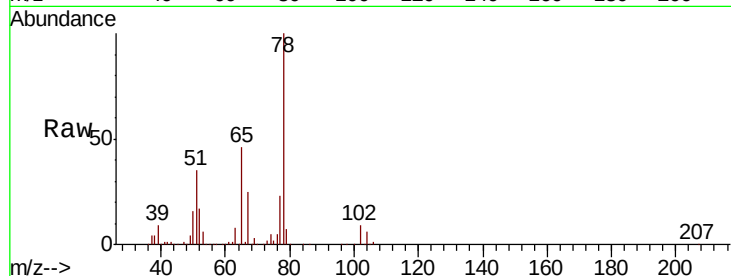




#33
 1,2-Dichloroethane-d4
 Concen: 157.969 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

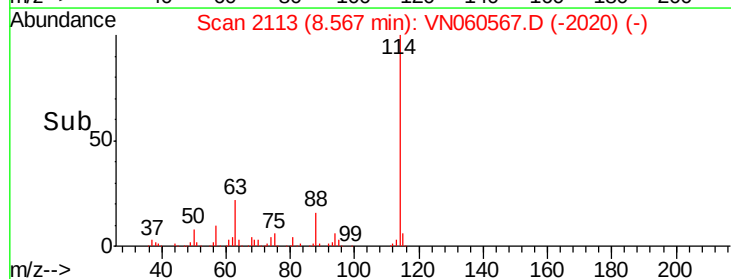
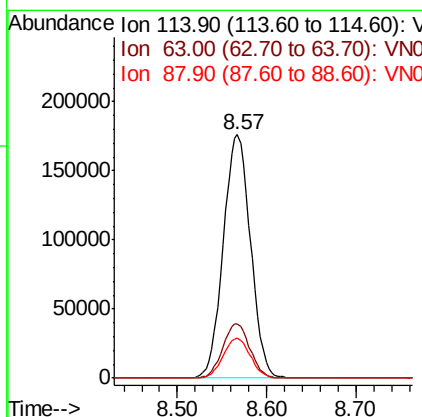
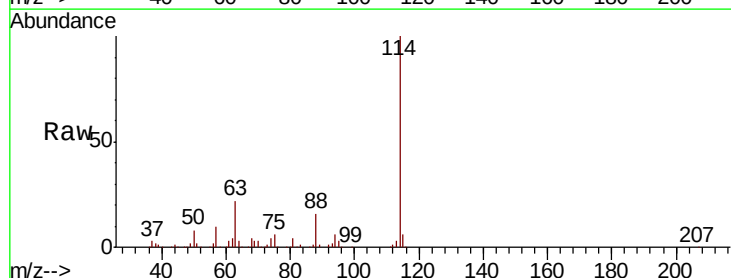
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

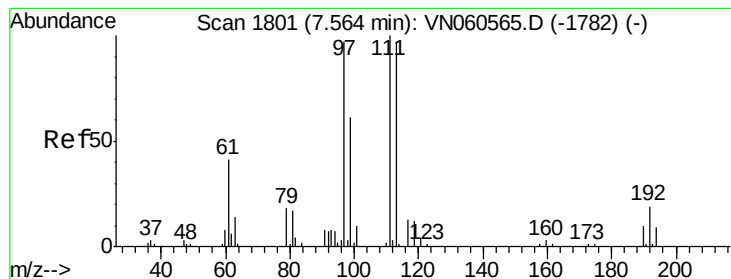
Tot Ion: 65 Resp: 460995
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion: 114 Resp: 371605
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 189.555 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

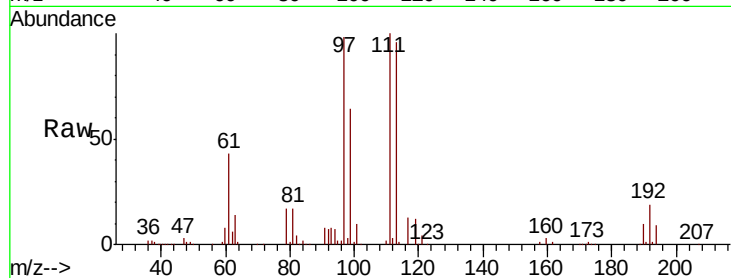
Tot Ion:113 Resp: 349153

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

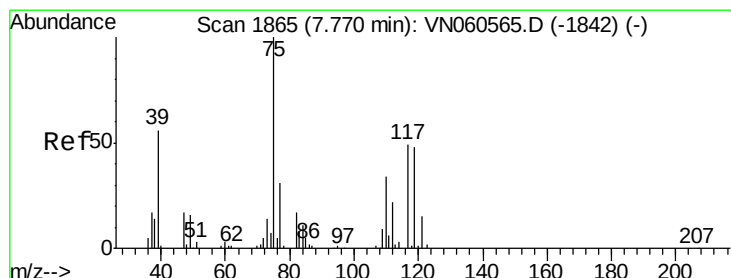
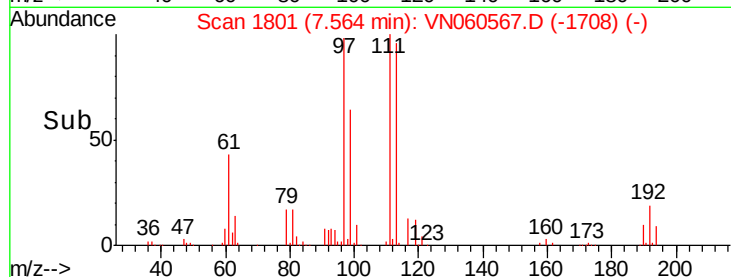
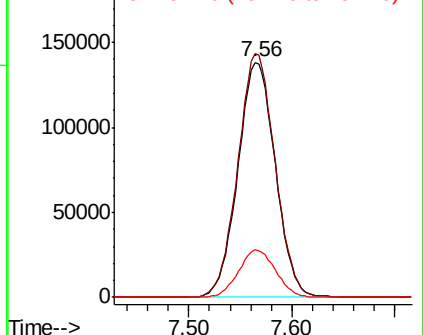
192 20.1 15.8 23.8



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: 156.243 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

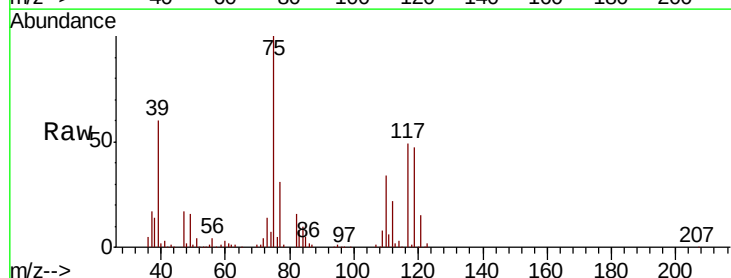
Tgt Ion: 75 Resp: 563159

Ion Ratio Lower Upper

75 100

110 34.1 16.9 50.6

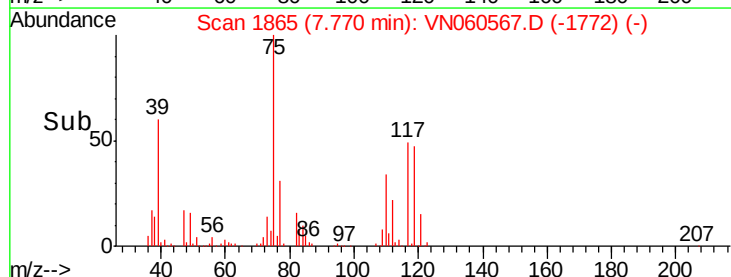
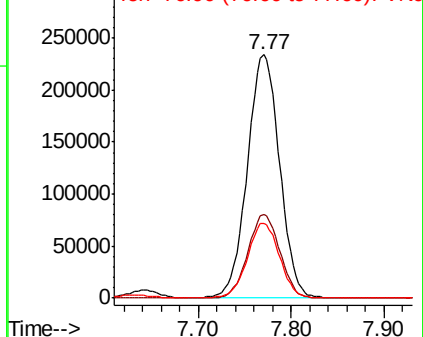
77 30.9 24.6 36.8

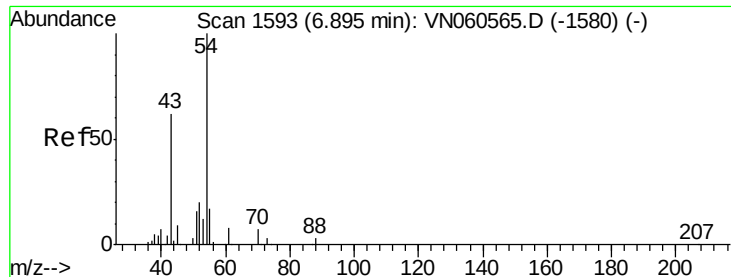


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

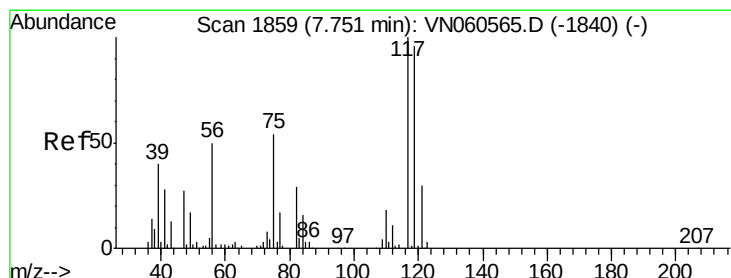
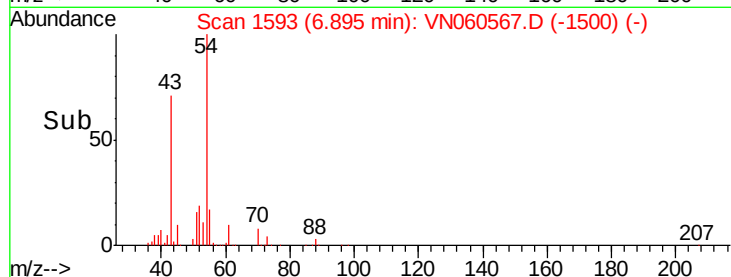
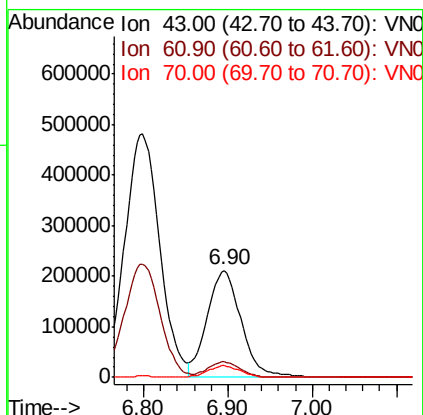
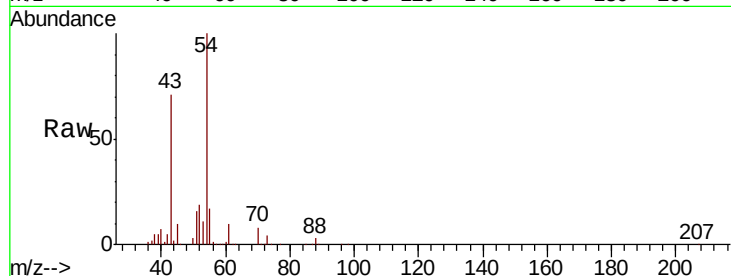




#37
Ethyl Acetate
Concen: 172.340 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

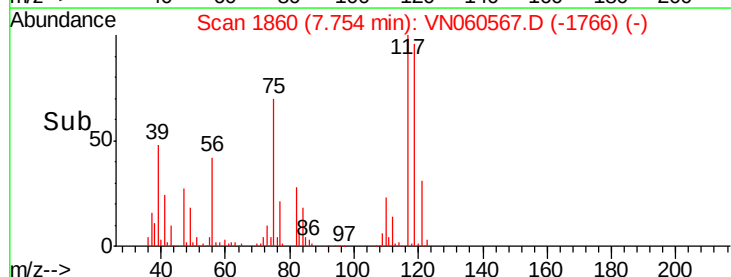
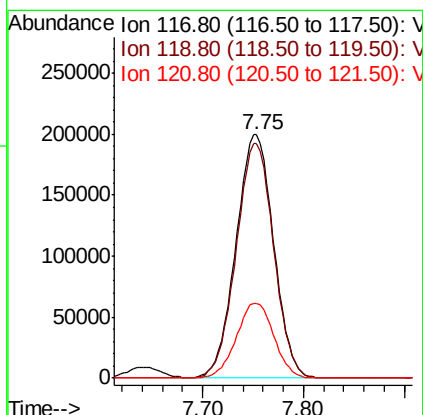
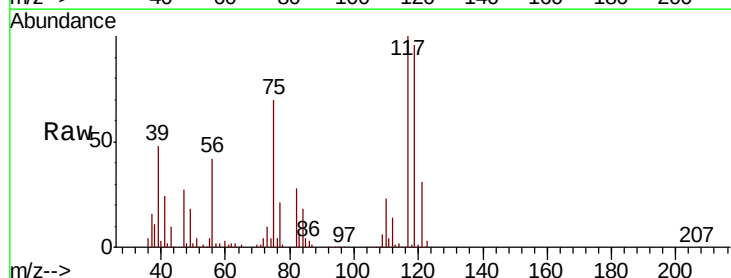
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

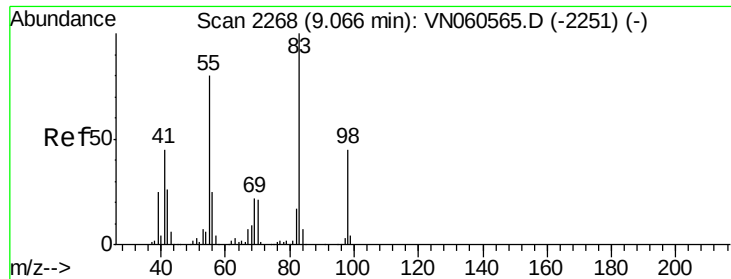
Tot Ion: 43 Resp: 591824
Ion Ratio Lower Upper
43 100
61 14.1 10.6 15.8
70 10.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 149.972 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion: 117 Resp: 516506
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.2
121 30.8 23.7 35.5

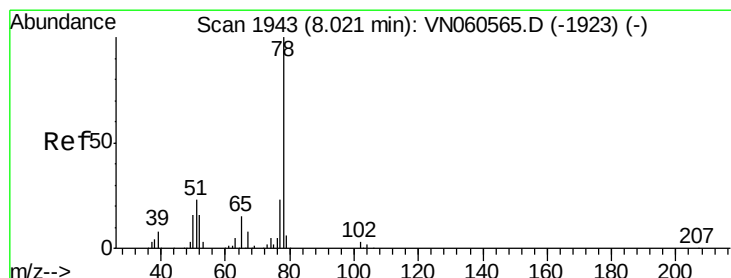
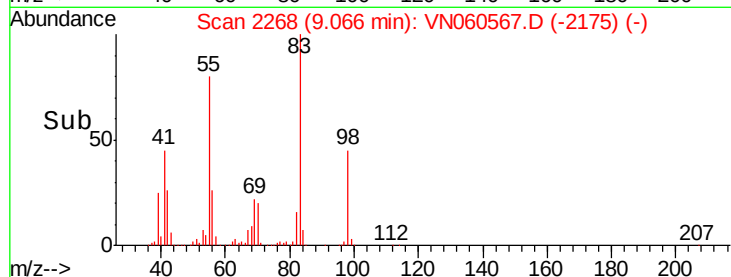
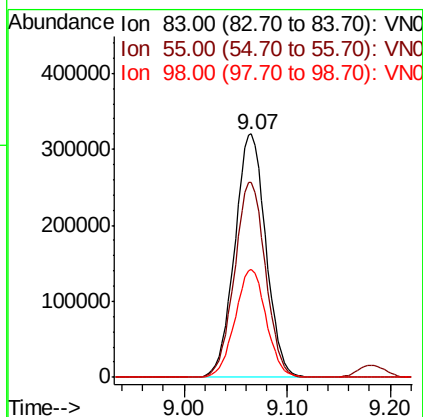
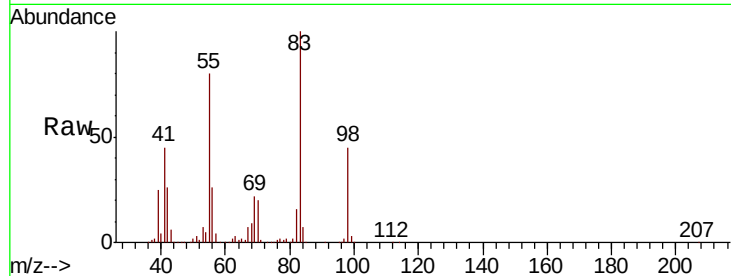




#39
Methylvlcyclohexane
Concen: 158.032 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

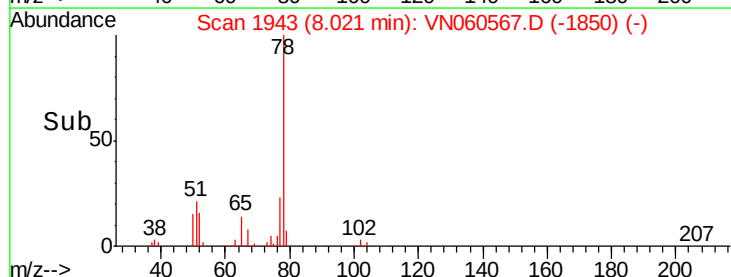
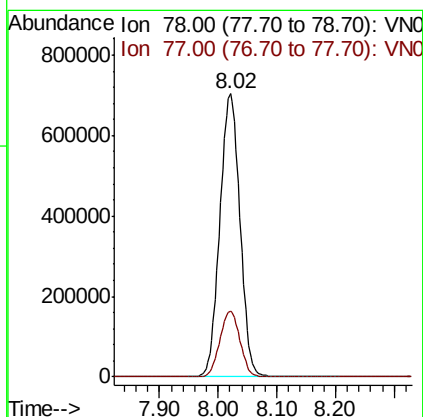
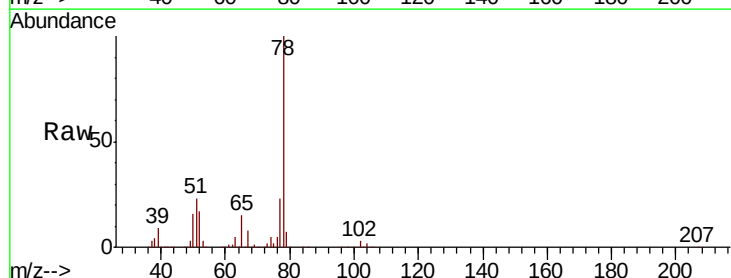
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

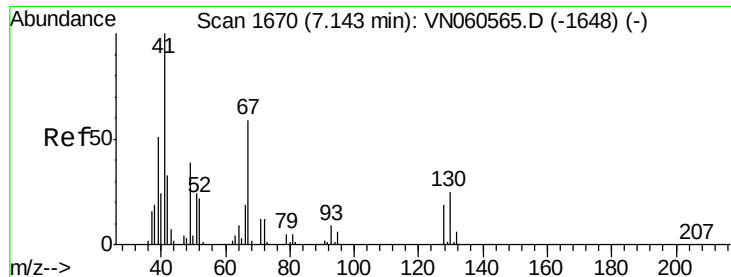
Tot Ion: 83 Resp: 671025
Ion Ratio Lower Upper
83 100
55 79.9 63.6 95.4
98 44.6 36.0 54.0



#40
Benzene
Concen: 158.308 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion: 78 Resp: 1657954
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0

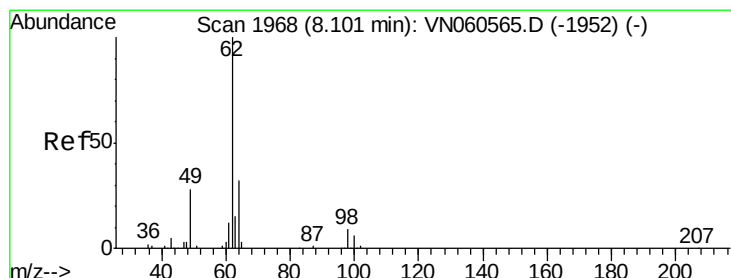
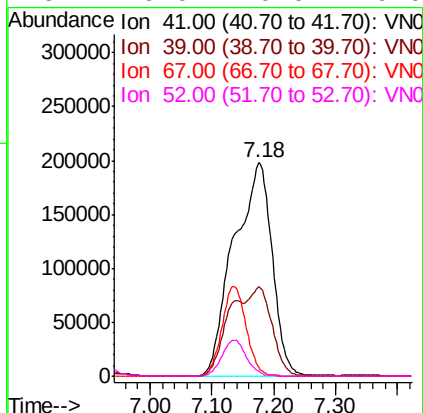
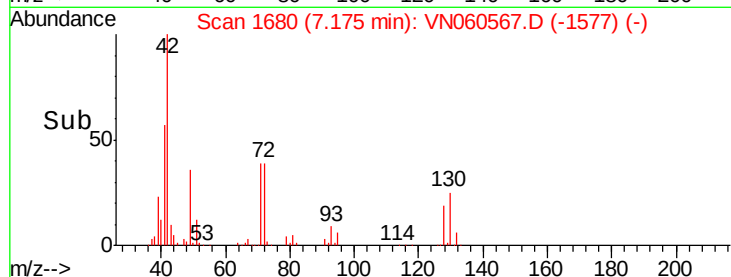
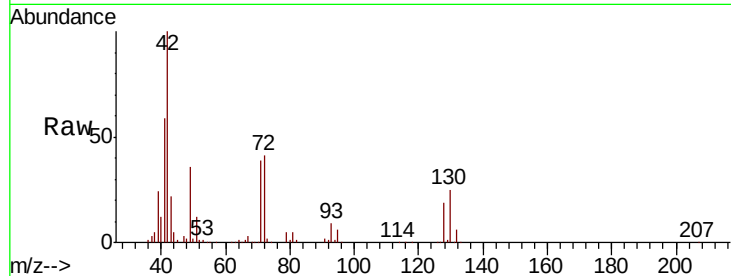




#41
Methacrylonitrile
Concen: 543.564 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

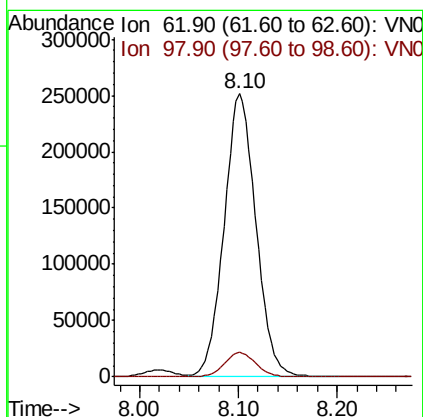
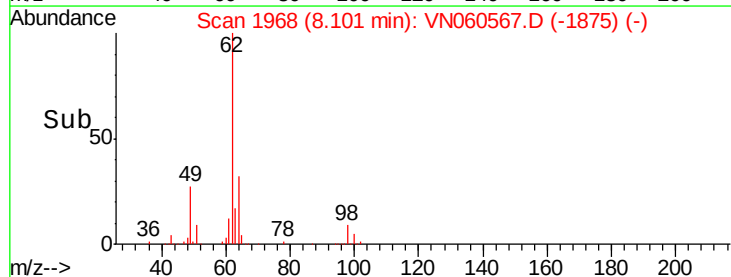
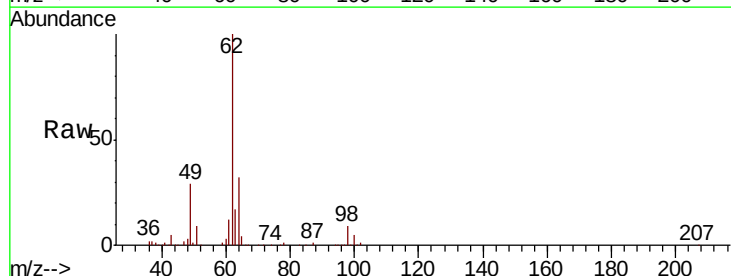
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

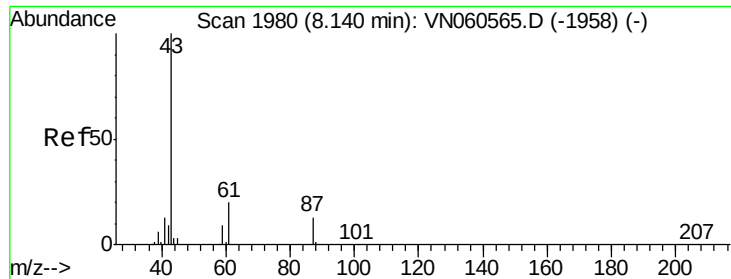
Tot Ion:	41	Resp:	849291
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 151.365 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion:	62	Resp:	565617
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 167.762 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

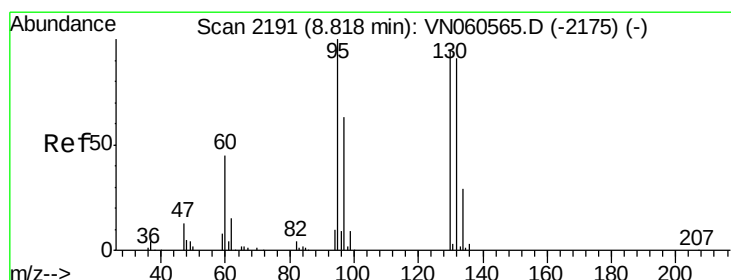
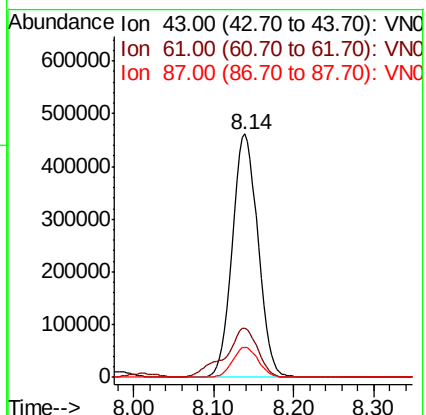
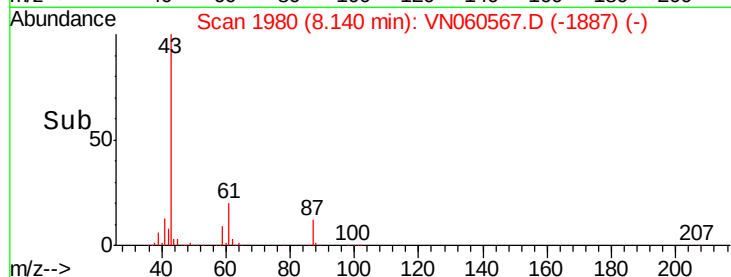
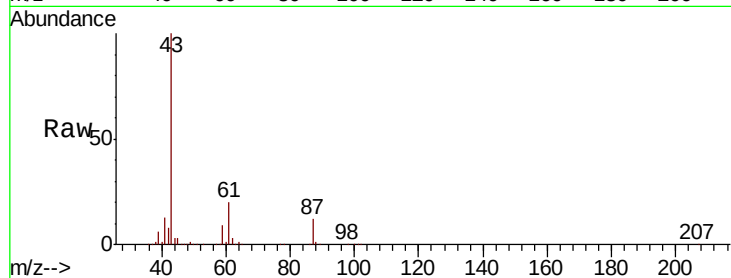
Tot Ion: 43 Resp: 1002939

Ion Ratio Lower Upper

43 100

61 25.8 20.7 31.1

87 12.3 9.8 14.8



#44

Trichloroethene

Concen: 145.435 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060567.D

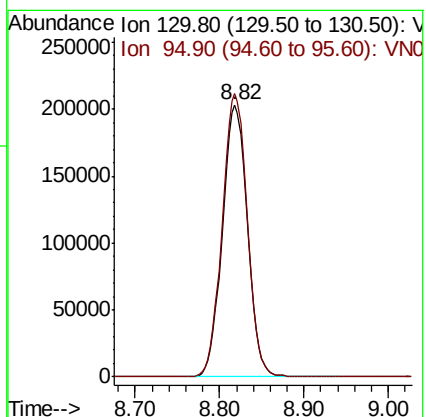
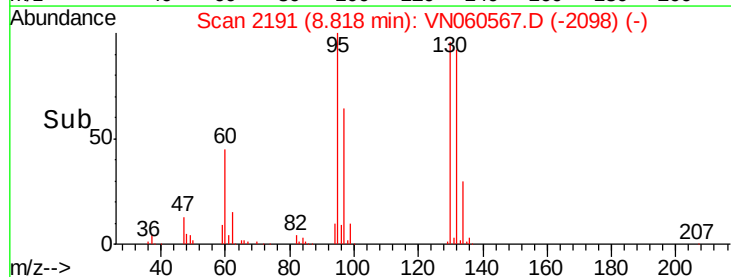
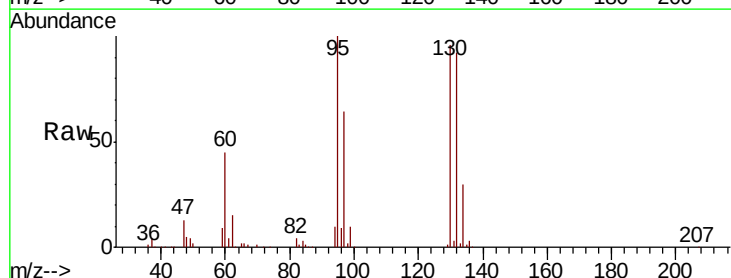
Acq: 17 Mar 2020 19:58

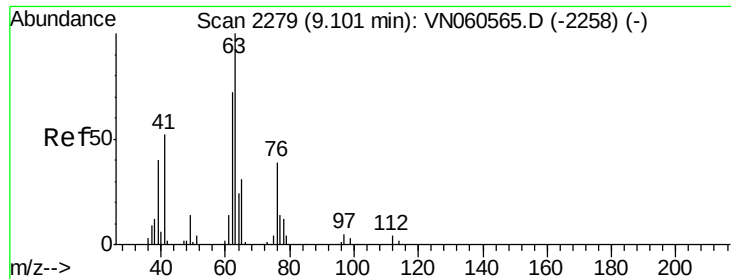
Tgt Ion:130 Resp: 419367

Ion Ratio Lower Upper

130 100

95 103.9 0.0 211.2

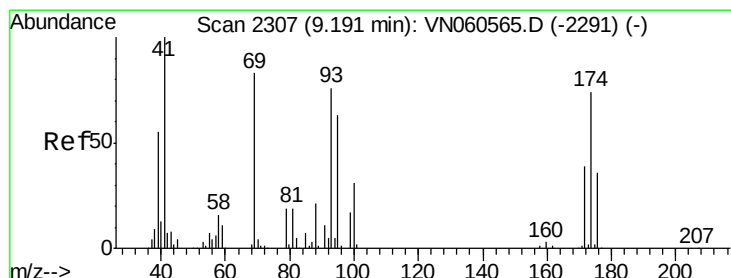
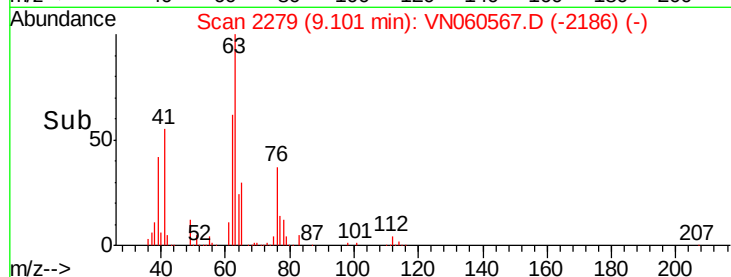
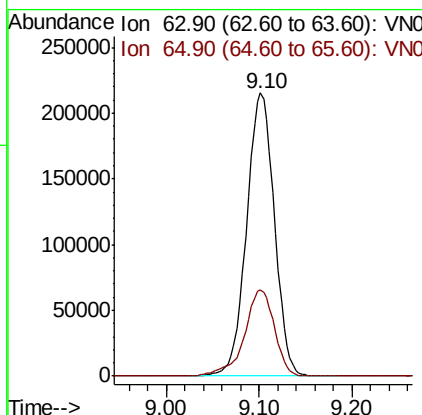
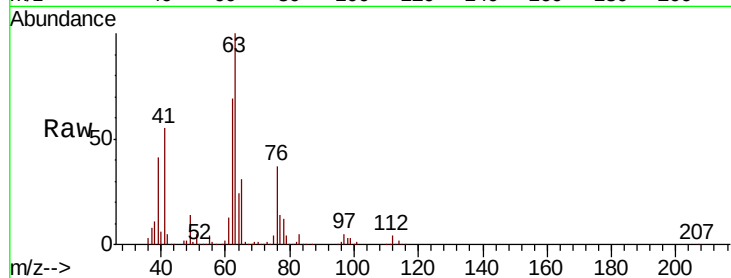




#45
 1,2-Dichloropropane
 Concen: 163.602 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

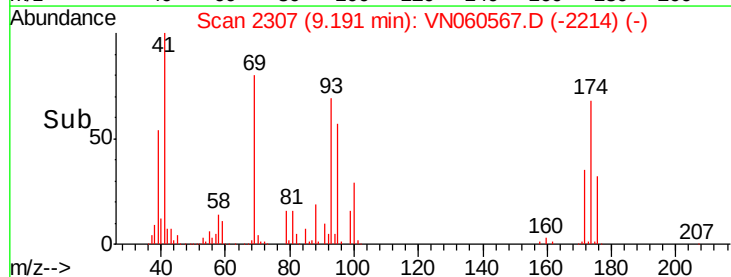
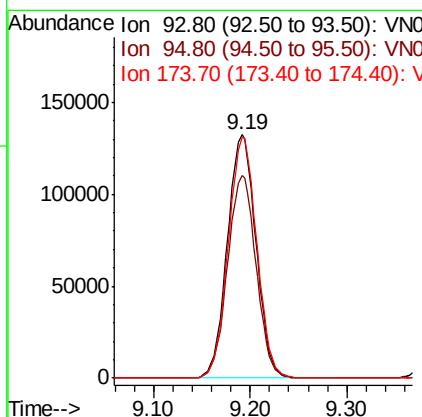
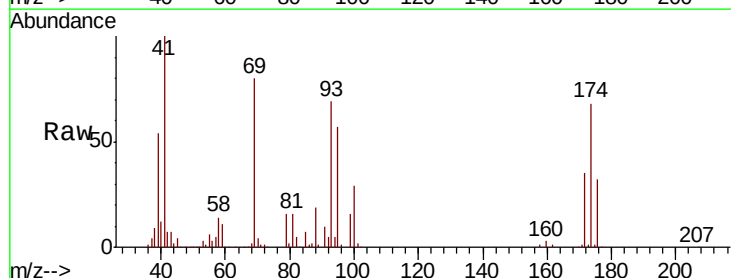
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

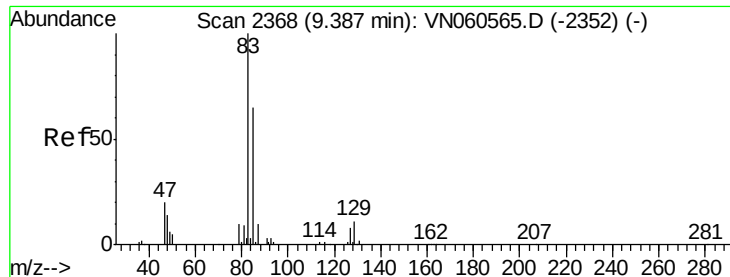
Tot Ion: 63 Resp: 447318
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0



#46
 Dibromomethane
 Concen: 154.575 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion: 93 Resp: 272074
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.2 99.4
 174 98.2 77.9 116.9





#47

Bromodichloromethane

Concen: 159.560 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

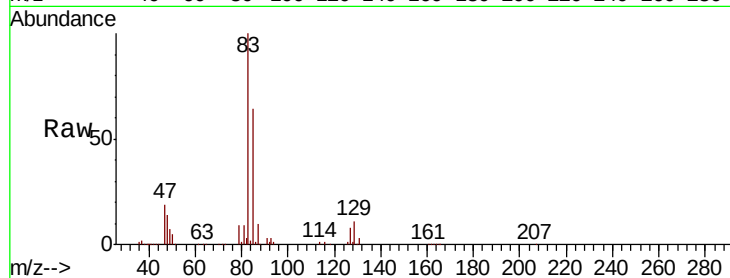
Tot Ion: 83 Resp: 570886

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.6

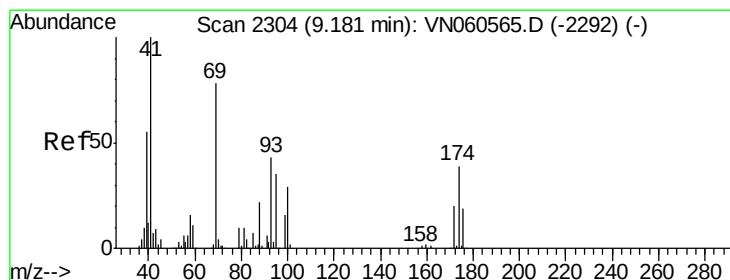
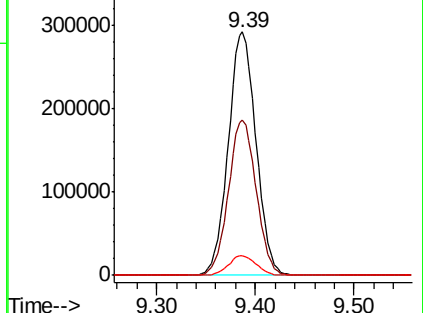
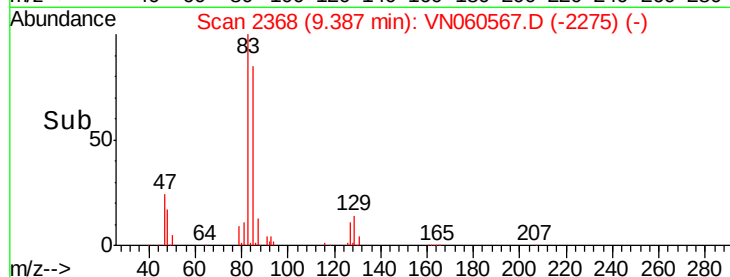
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060567.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060567.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060567.D (-2275) (-)



#48

Methyl methacrylate

Concen: 172.746 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

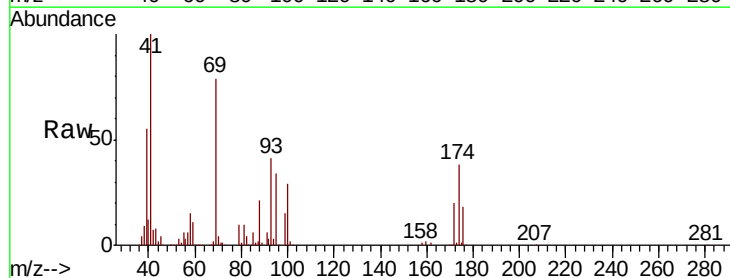
Tgt Ion: 41 Resp: 470324

Ion Ratio Lower Upper

41 100

69 82.2 65.4 98.0

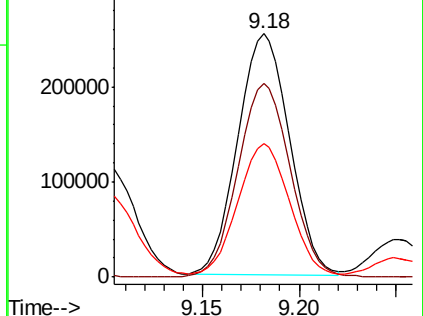
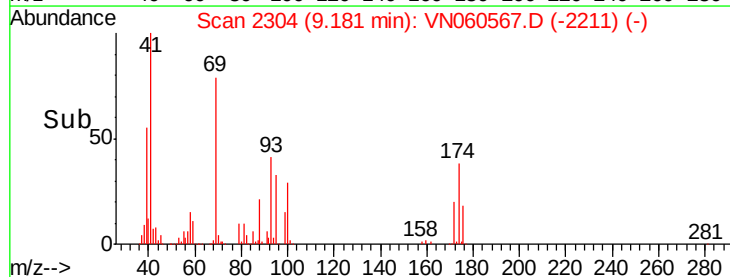
39 53.7 44.0 66.0

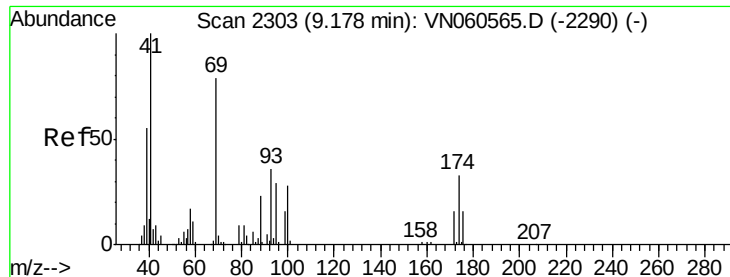


Abundance Ion 41.00 (40.70 to 41.70): VN060567.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060567.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060567.D (-2211) (-)

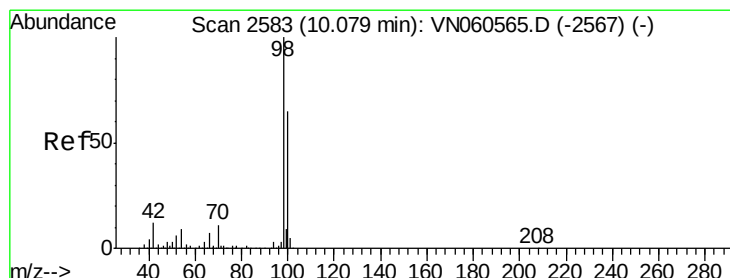
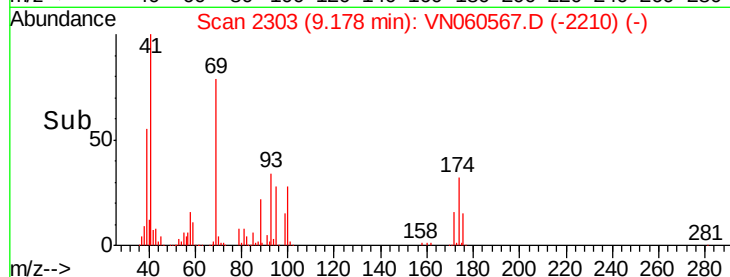
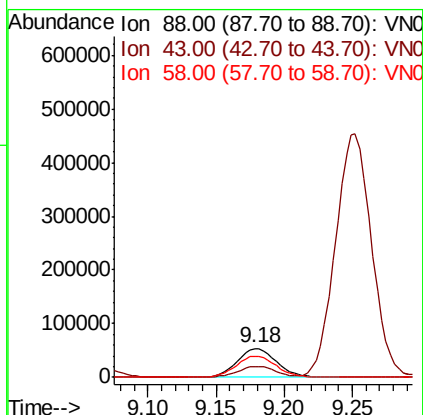
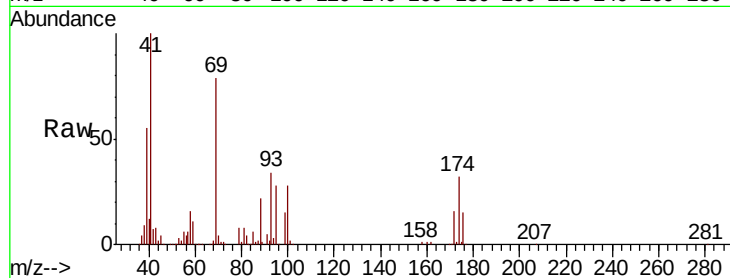




#49
1,4-Dioxane
Concen: 2847.337 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

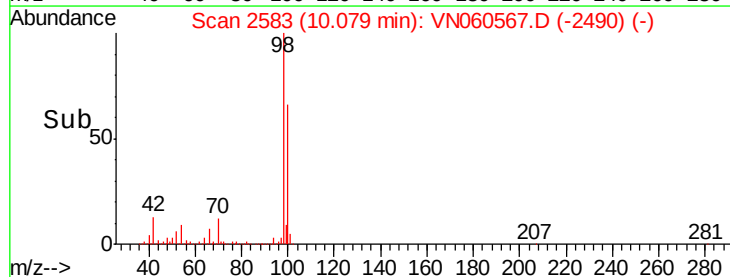
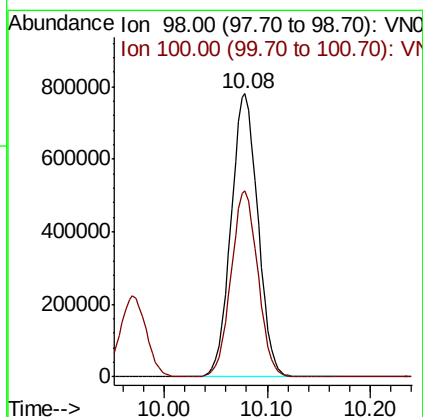
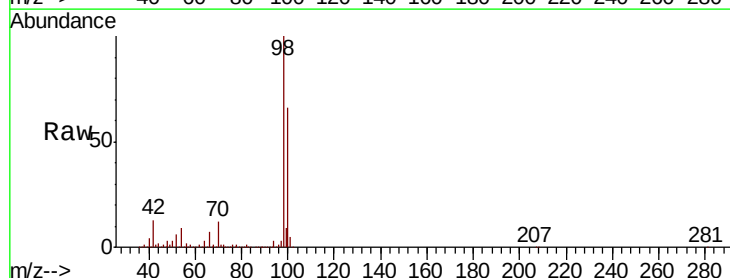
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

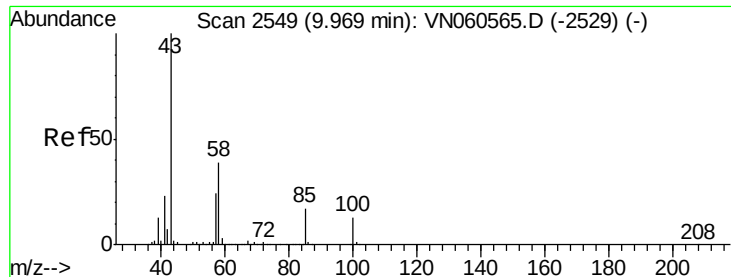
Tot Ion: 88 Resp: 107479
Ion Ratio Lower Upper
88 100
43 36.4 30.8 46.2
58 75.0 59.8 89.8



#50
Toluene-d8
Concen: 158.089 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion: 98 Resp: 1416192
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8

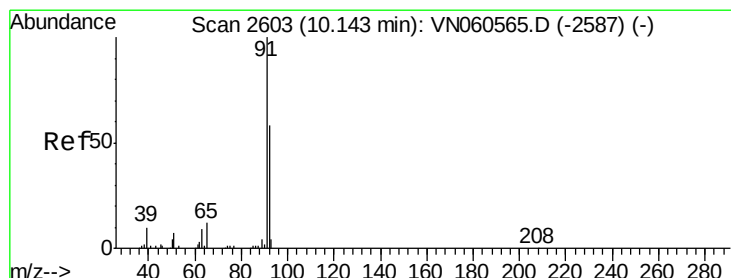
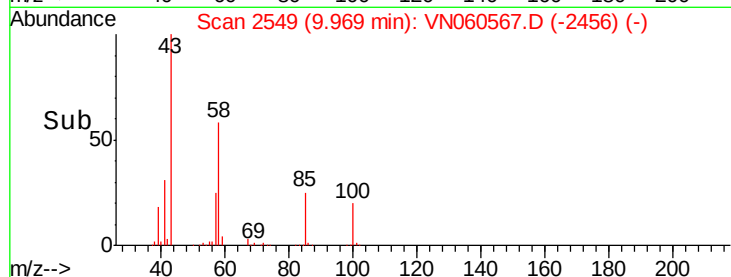
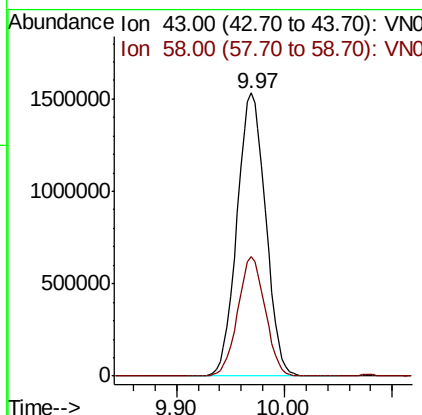
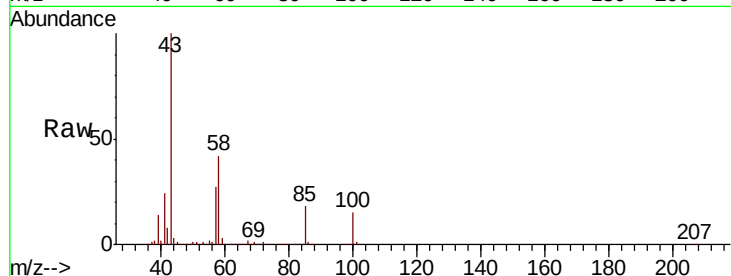




#51
 4-Methyl-2-Pentanone
 Concen: 832.110 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

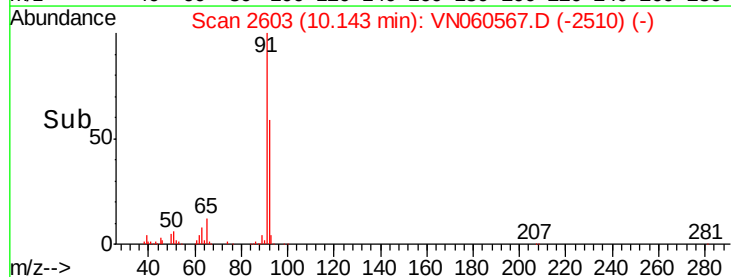
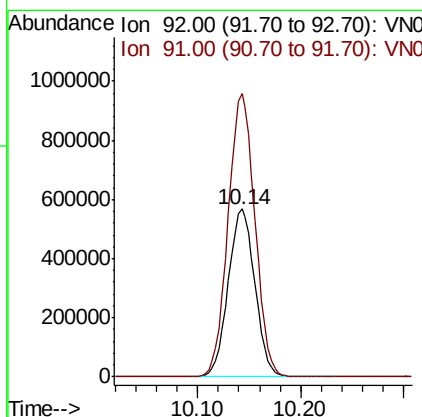
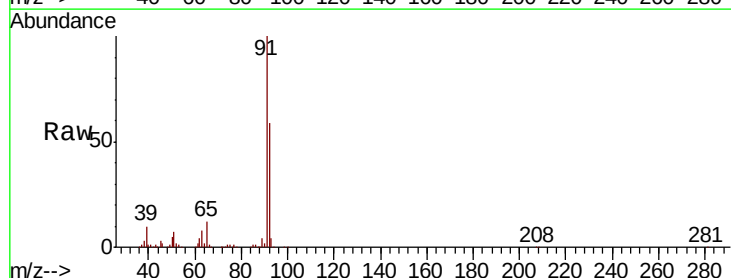
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

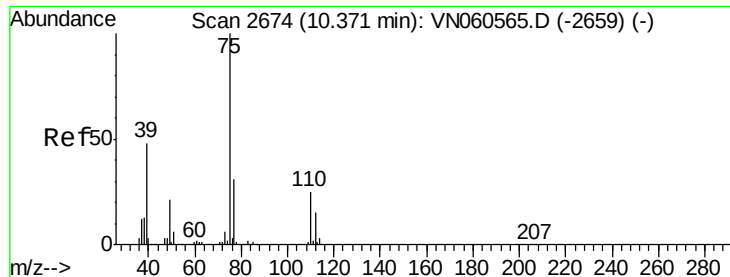
Tot Ion: 43 Resp: 2826200
 Ion Ratio Lower Upper
 43 100
 58 40.5 30.8 46.2



#52
 Toluene
 Concen: 156.454 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion: 92 Resp: 1023419
 Ion Ratio Lower Upper
 92 100
 91 169.7 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 150.481 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

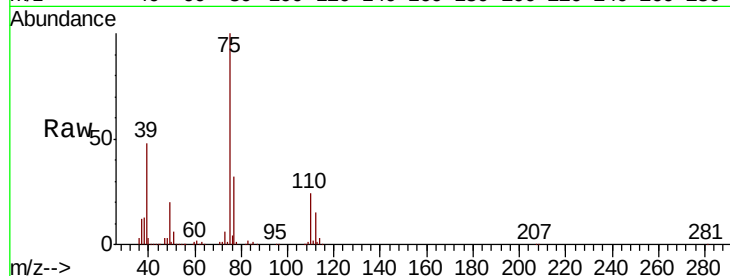
VSTDIC150

Tot Ion: 75 Resp: 658714

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

400000

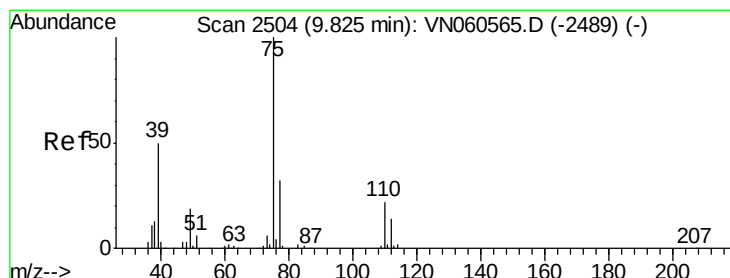
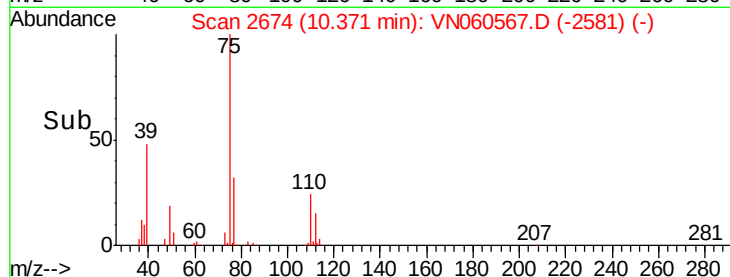
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 155.559 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

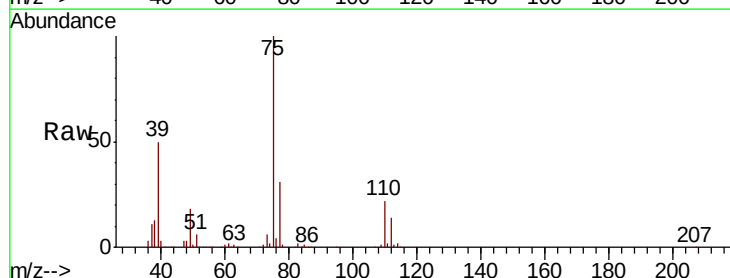
Tgt Ion: 75 Resp: 707625

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 50.0 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.82

500000

400000

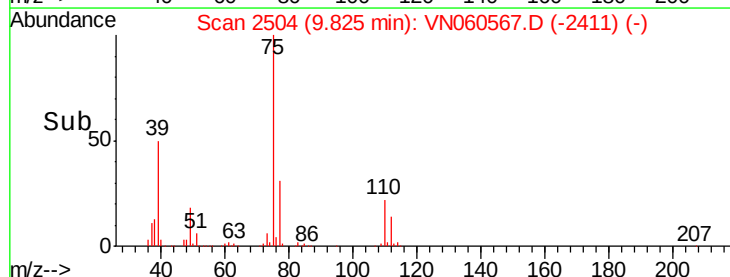
300000

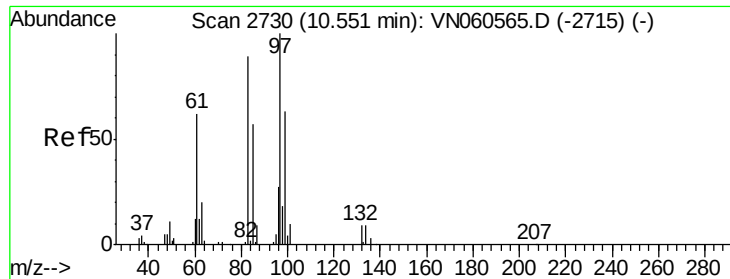
200000

100000

0

Time-->

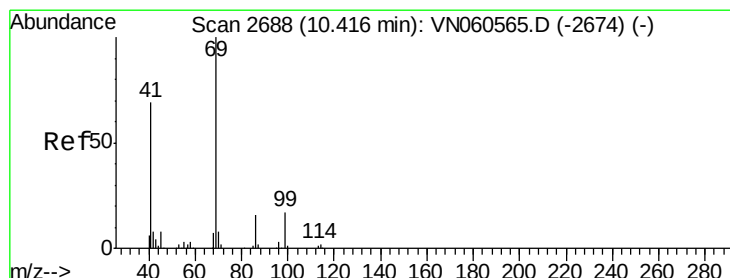
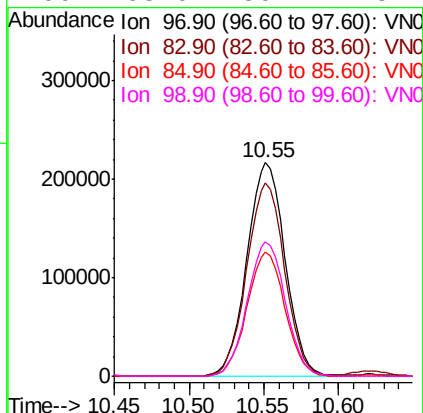
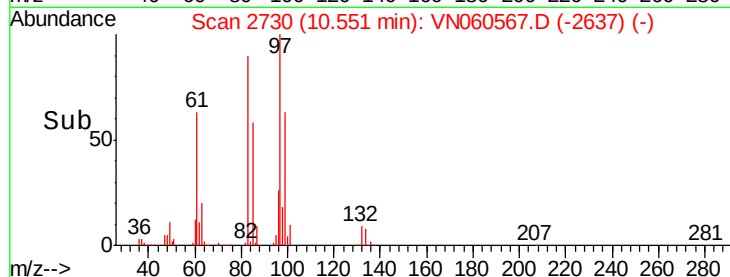
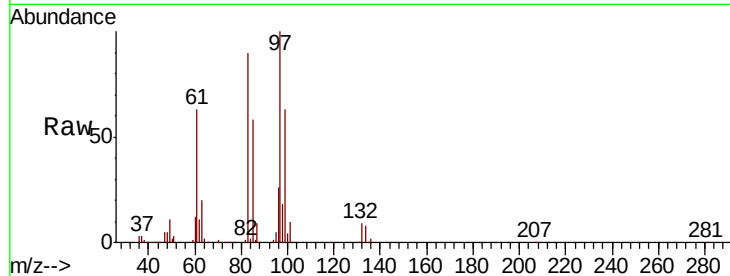




#55
 1,1,2-Trichloroethane
 Concen: 147.206 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

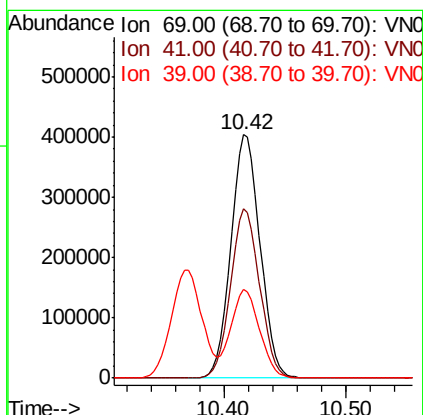
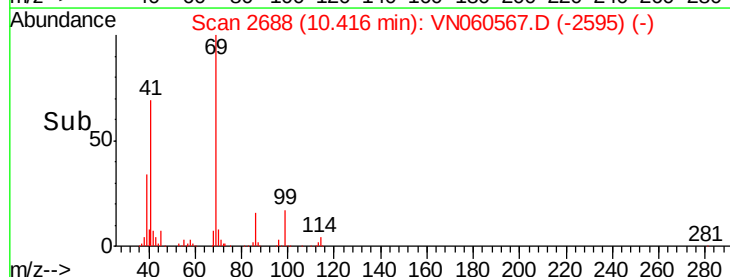
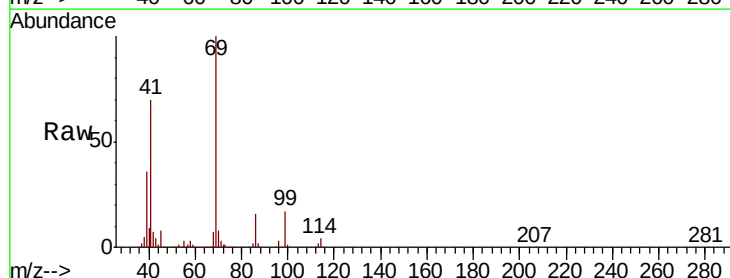
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

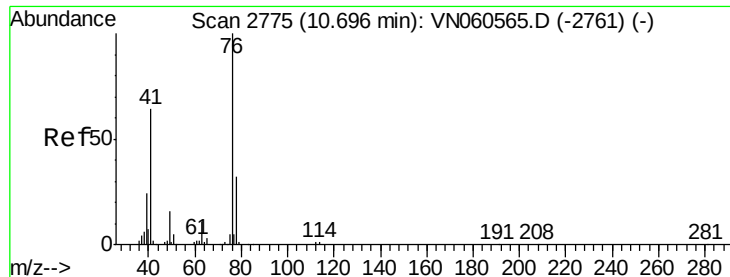
Tot Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.3	106.9
85	57.9	45.2	67.8
99	63.0	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 177.014 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.4	83.2
39	36.1	29.4	44.0





#57

1,3-Dichloropropane

Concen: 158.862 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

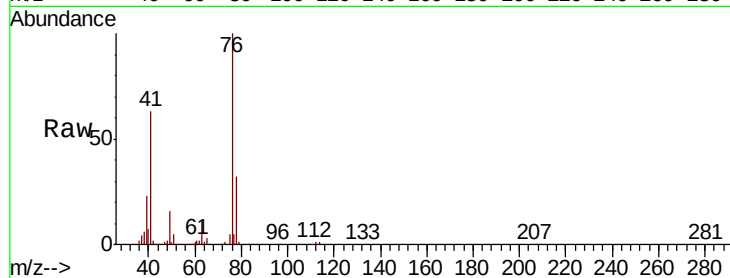
VSTDICC150

Tot Ion: 76 Resp: 681697

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060567.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060567.D (-2761) (-)

10.70

400000

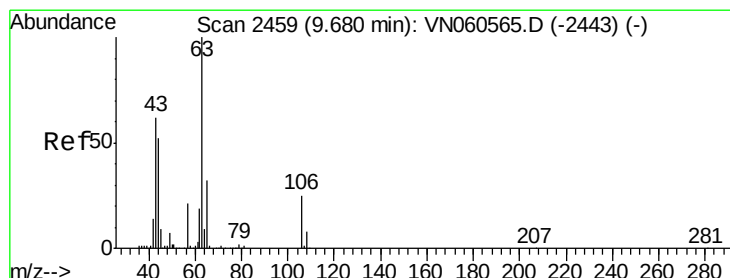
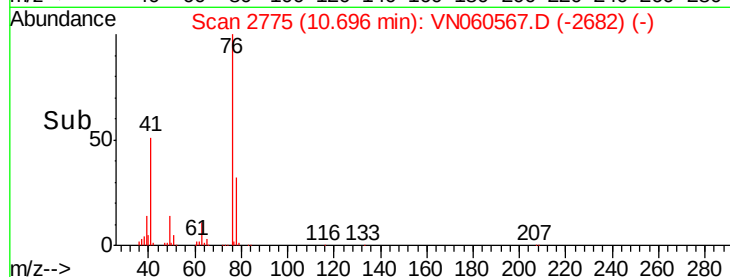
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 819.677 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060567.D

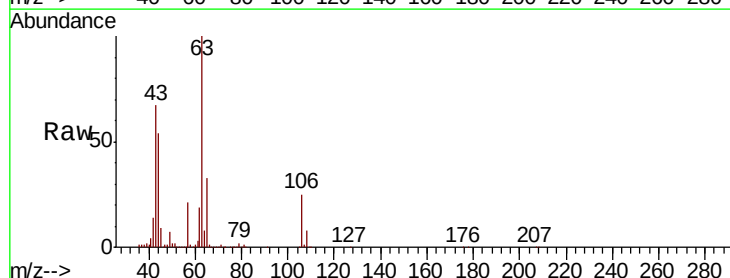
Acq: 17 Mar 2020 19:58

Tgt Ion: 63 Resp: 1619800

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060567.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060567.D (-2443) (-)

9.68

1000000

800000

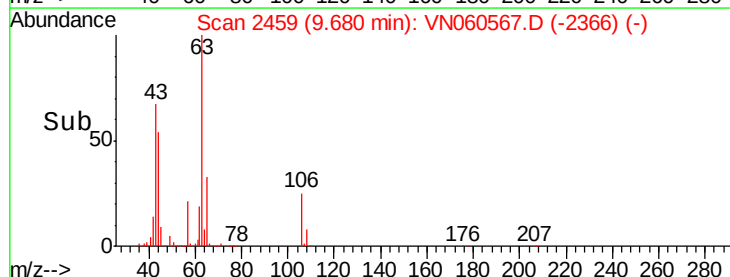
600000

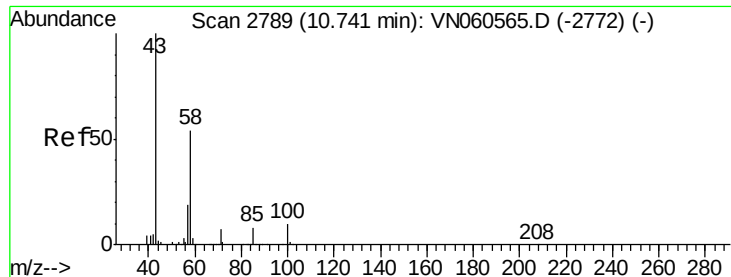
400000

200000

0

Time-->

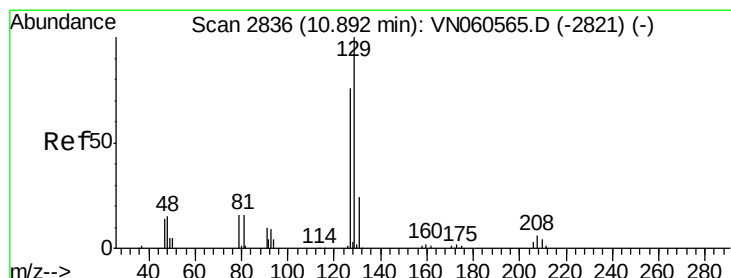
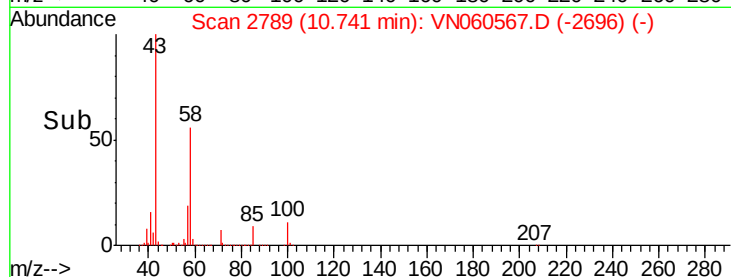
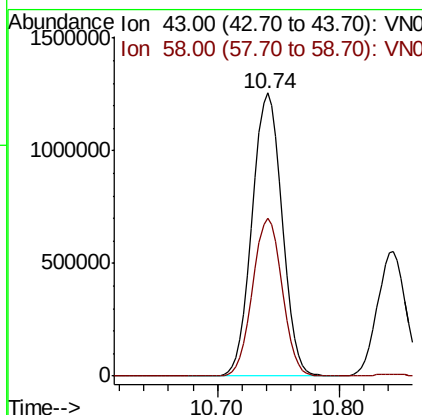
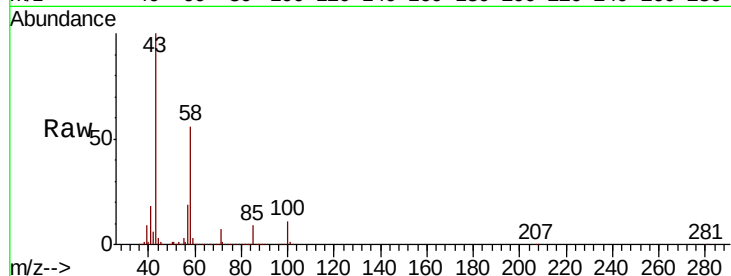




#59
2-Hexanone
Concen: 851.577 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

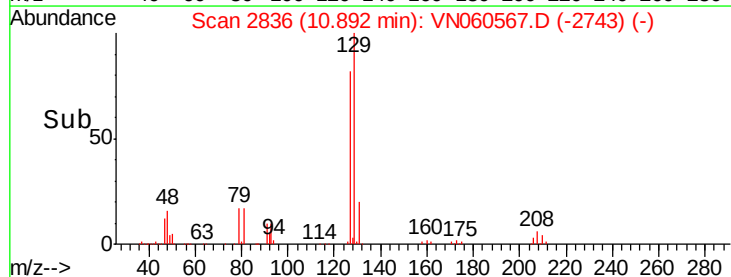
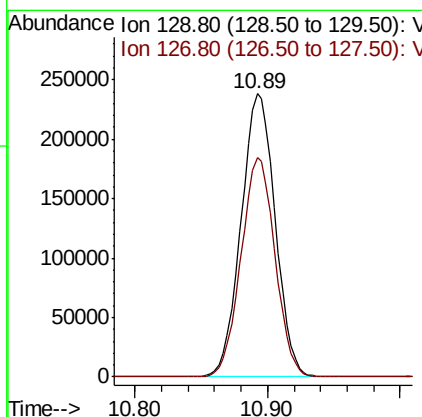
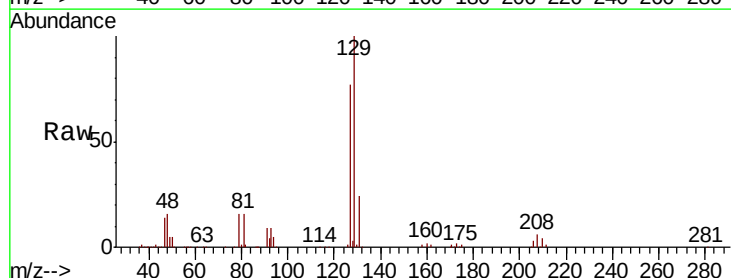
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

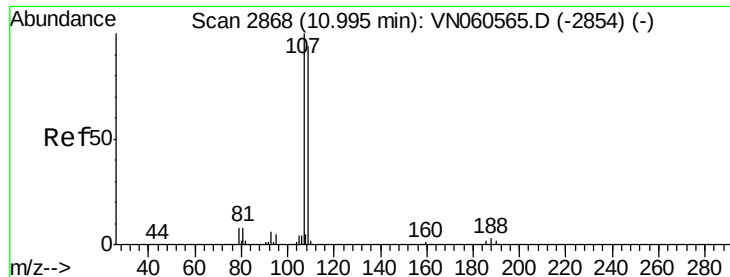
Tot Ion: 43 Resp: 2121382
Ion Ratio Lower Upper
43 100
58 55.2 26.7 80.1



#60
Dibromochloromethane
Concen: 159.954 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion: 129 Resp: 425532
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

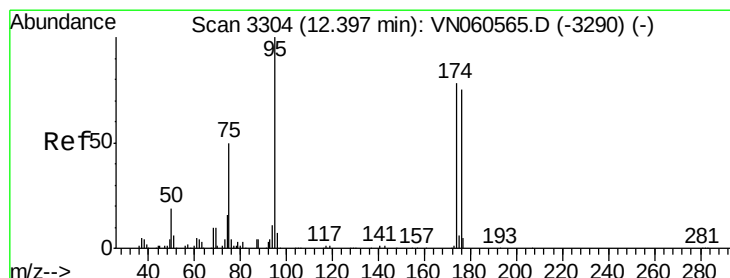
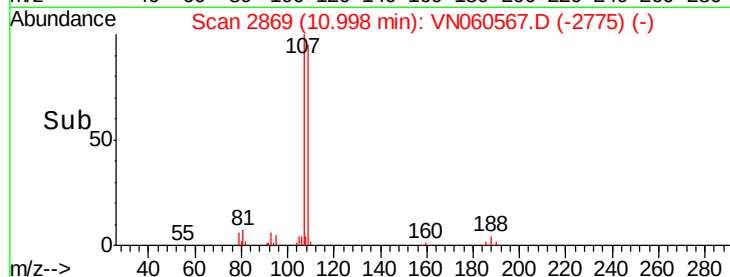
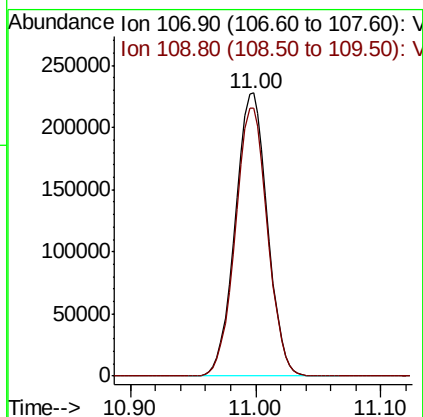
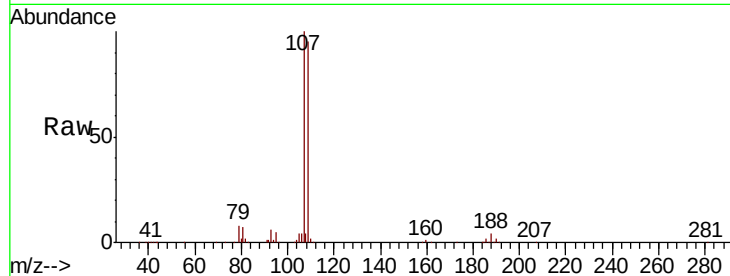




#61
 1,2-Dibromoethane
 Concen: 158.645 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

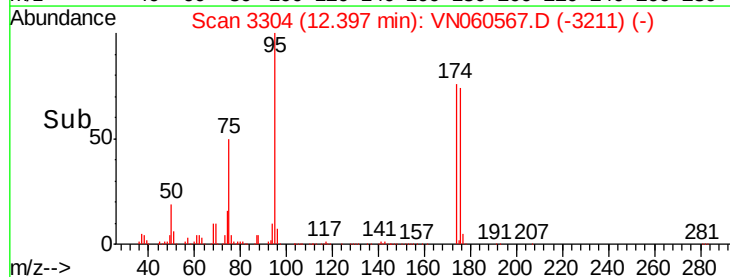
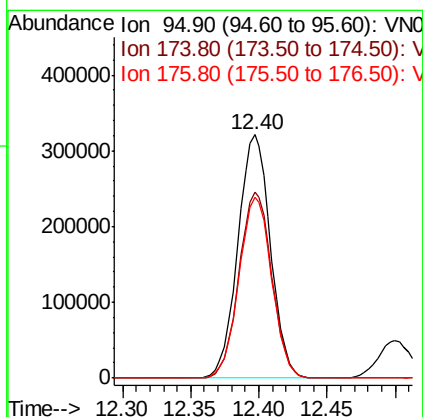
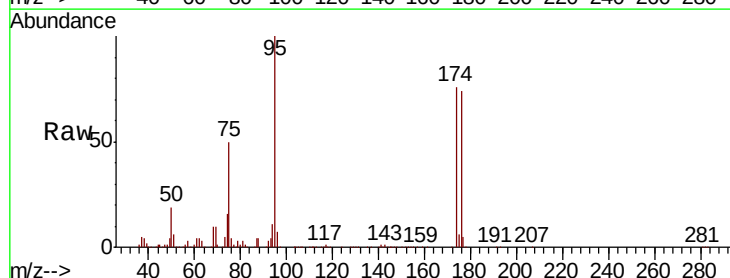
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

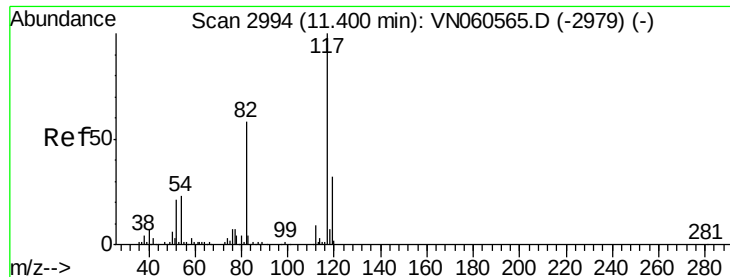
Tot Ion:107 Resp: 405884
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 157.958 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion: 95 Resp: 530383
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 157.6
 176 74.8 0.0 150.6

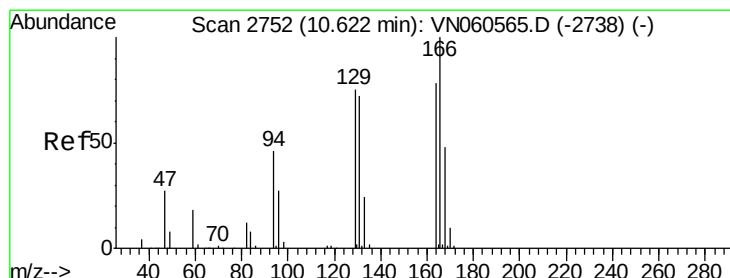
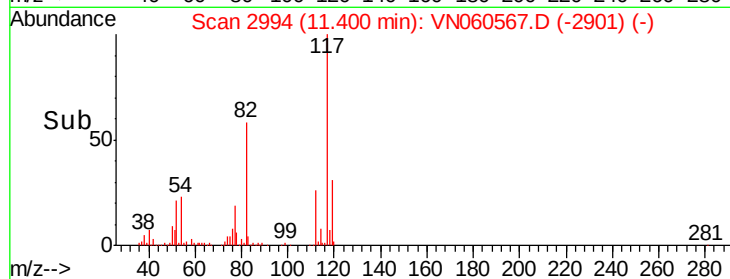
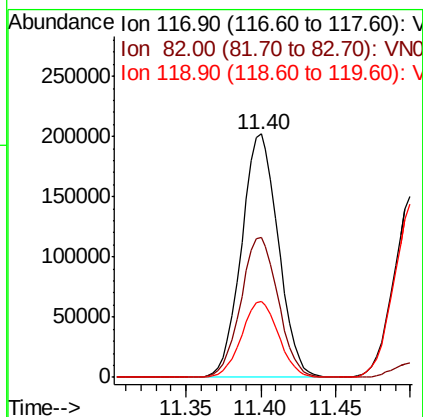
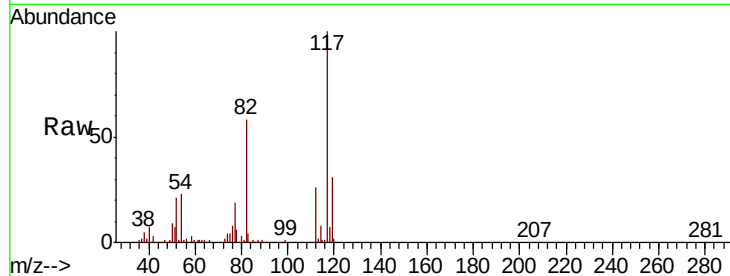




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

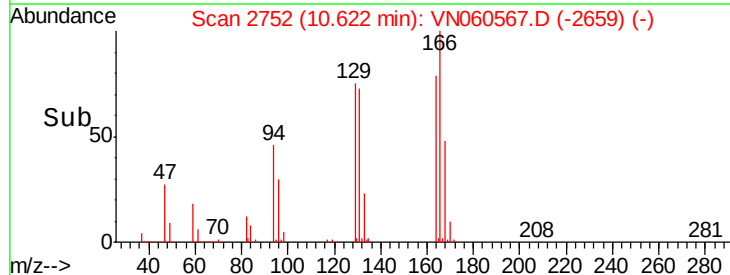
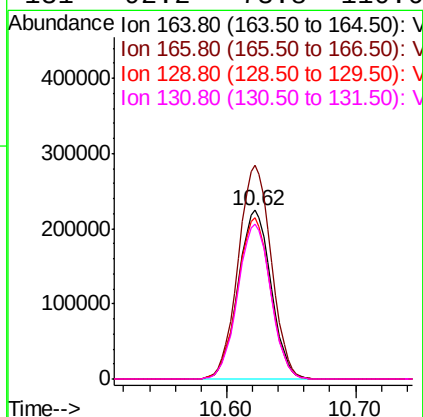
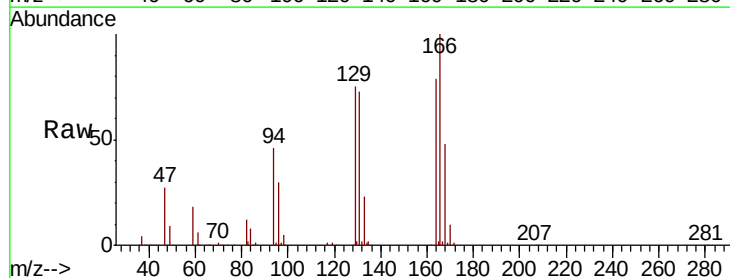
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

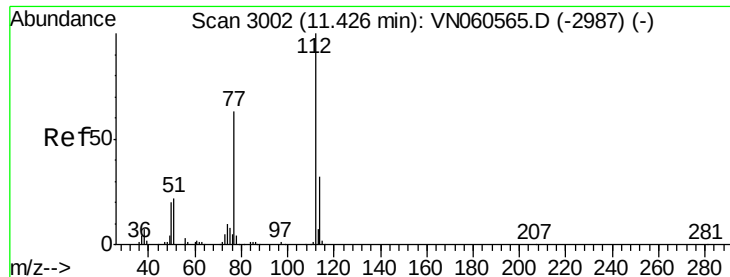
Tot Ion:117 Resp: 345502
Ion Ratio Lower Upper
117 100
82 57.5 46.7 70.1
119 31.4 25.5 38.3



#64
Tetrachloroethene
Concen: 130.510 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion:164 Resp: 398852
Ion Ratio Lower Upper
164 100
166 126.7 102.7 154.1
129 95.6 77.2 115.8
131 92.2 73.8 110.6

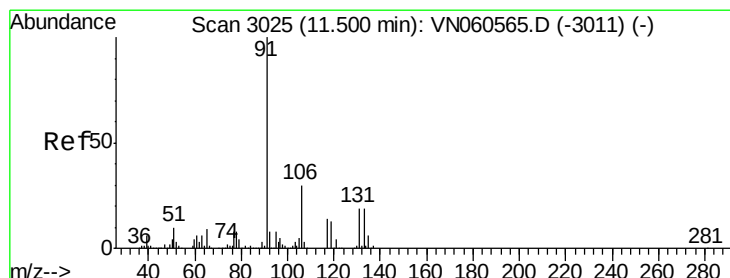
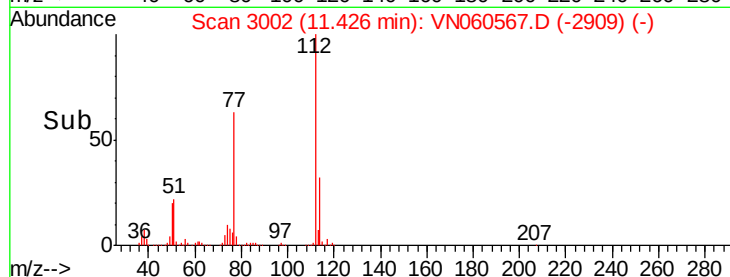
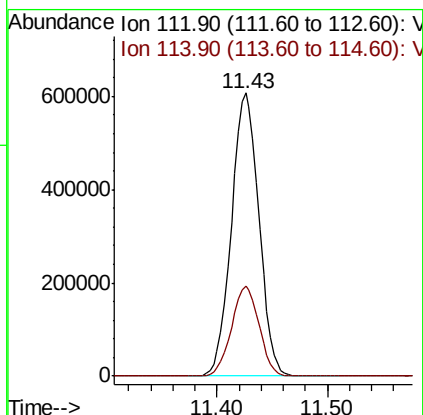
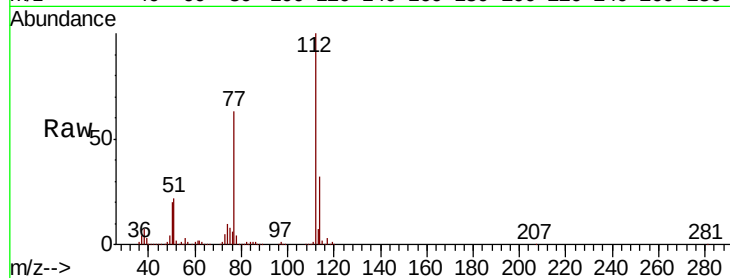




#65
Chlorobenzene
Concen: 149.261 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

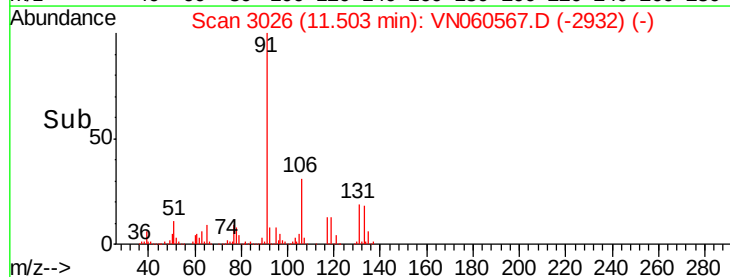
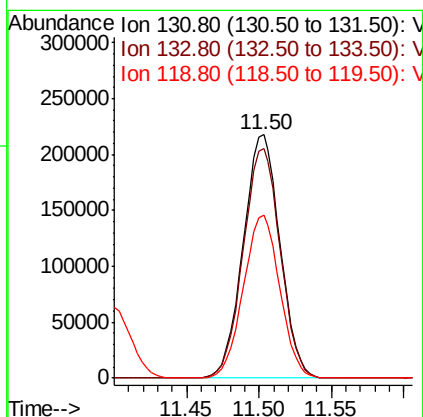
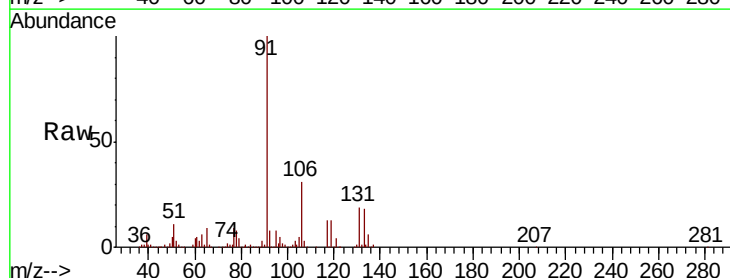
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

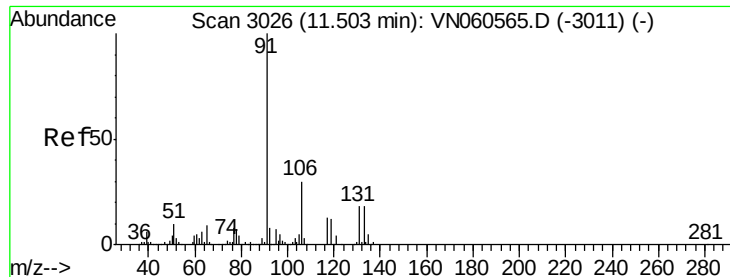
Tot Ion:112 Resp: 1045549
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 149.245 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion:131 Resp: 384075
Ion Ratio Lower Upper
131 100
133 95.2 48.9 146.8
119 66.5 33.9 101.7





#67

Ethyl Benzene

Concen: 151.597 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

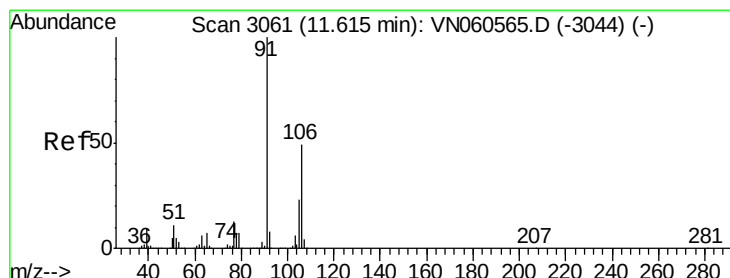
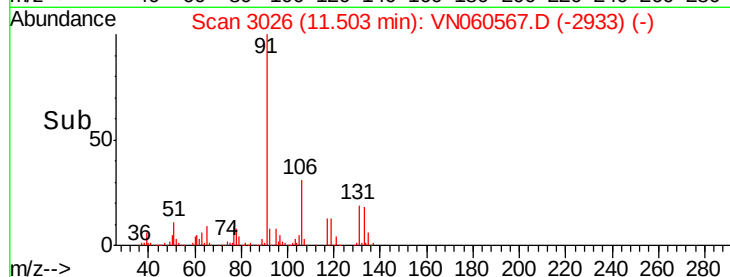
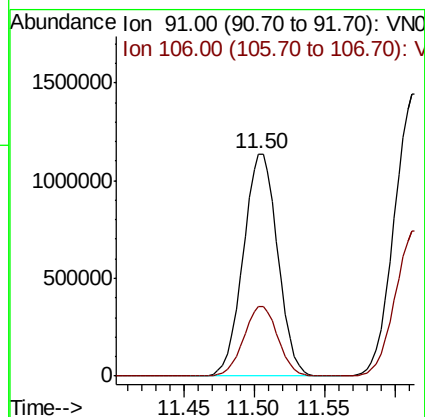
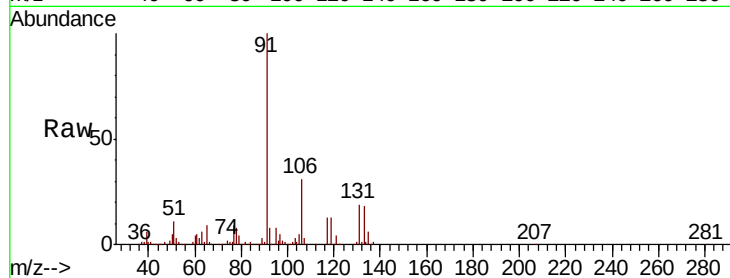
VSTDIC150

Tot Ion: 91 Resp: 1942764

Ion Ratio Lower Upper

91 100

106 31.5 24.2 36.2



#68

m/p-Xylenes

Concen: 301.269 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060567.D

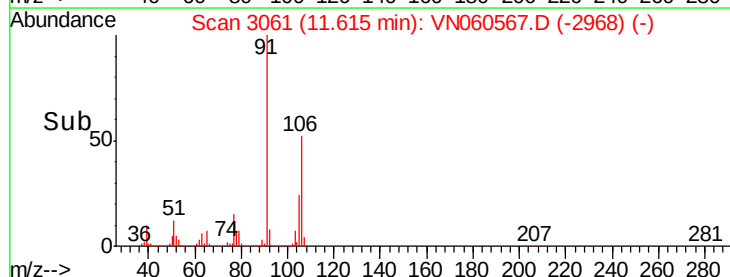
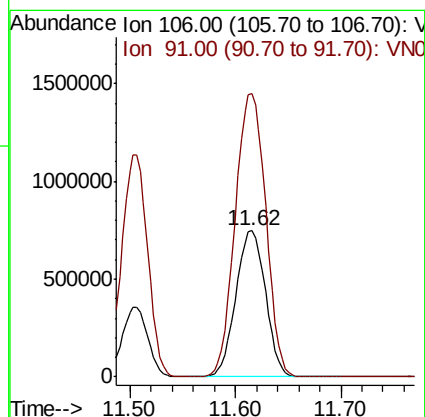
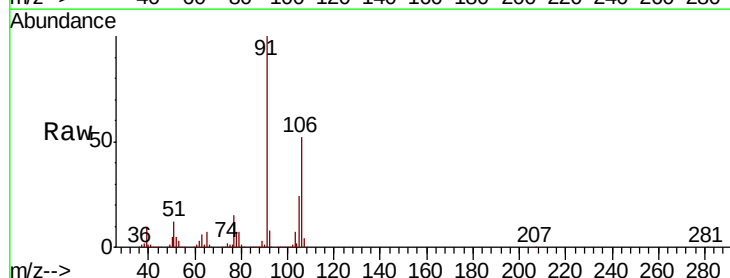
Acq: 17 Mar 2020 19:58

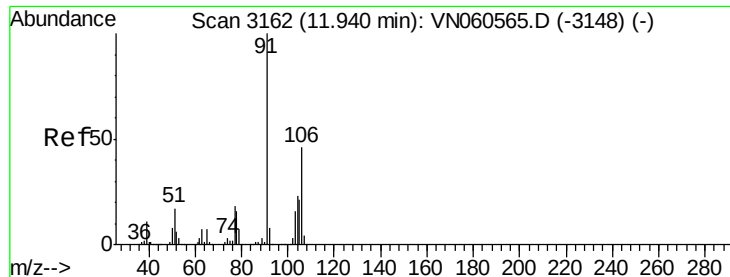
Tgt Ion: 106 Resp: 1455912

Ion Ratio Lower Upper

106 100

91 200.0 165.0 247.4

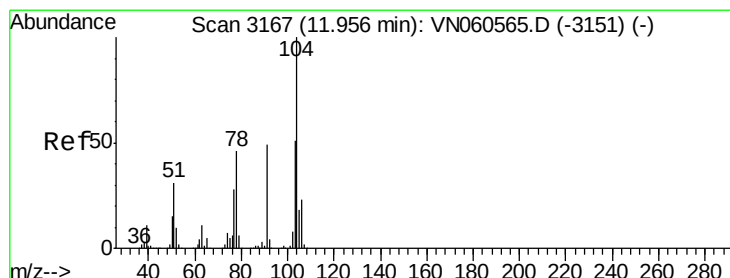
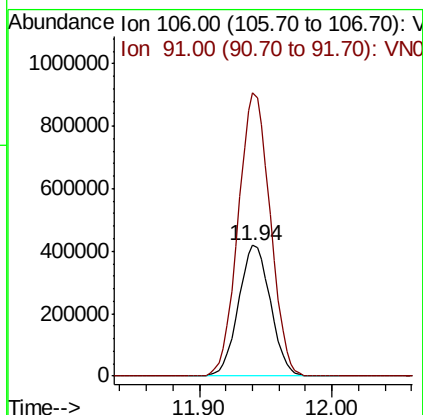
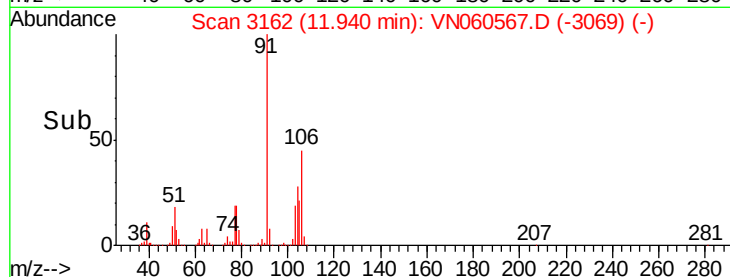
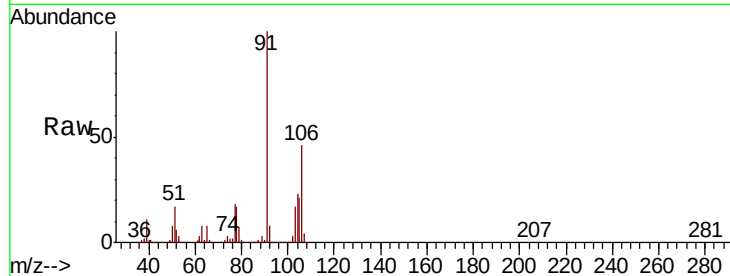




#69
o-Xylene
Concen: 152.016 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

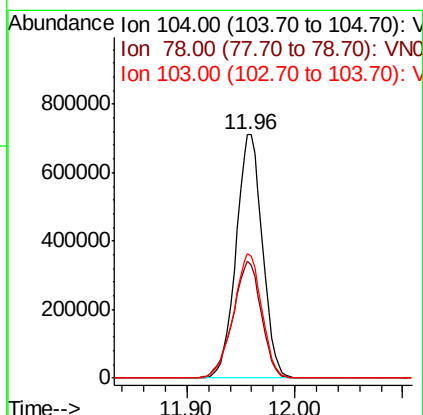
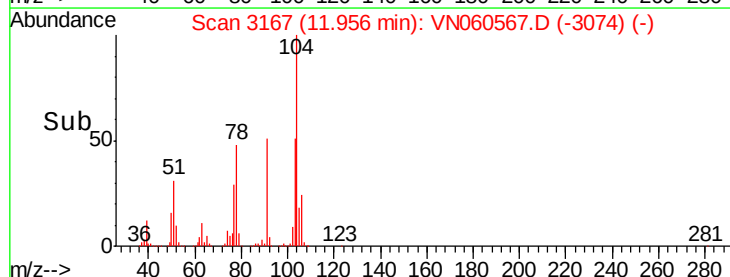
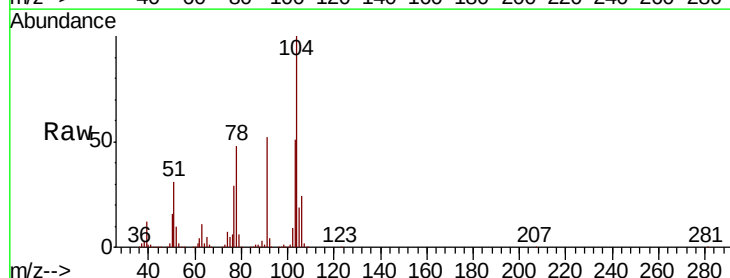
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

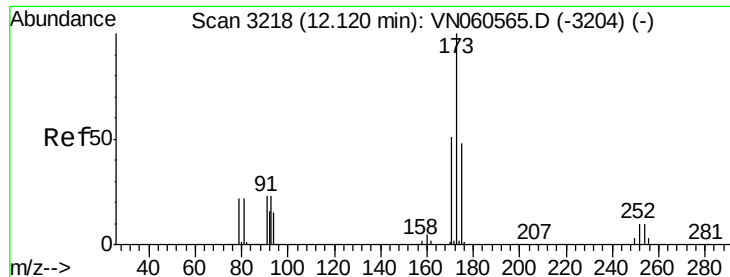
Tot Ion:106 Resp: 700046
Ion Ratio Lower Upper
106 100
91 217.1 109.5 328.4



#70
Styrene
Concen: 159.902 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion:104 Resp: 1209538
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 54.8 44.0 66.0





#71

Bromoform

Concen: 170.210 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

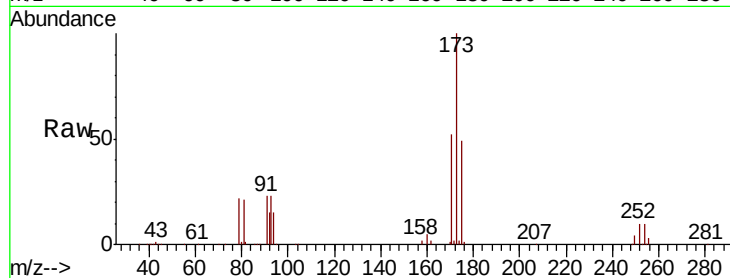
Tot Ion:173 Resp: 317684

Ion Ratio Lower Upper

173 100

175 48.8 24.1 72.4

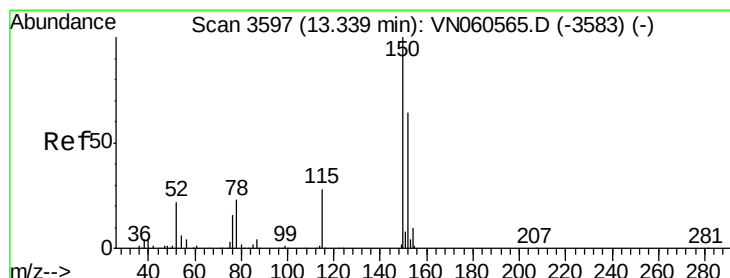
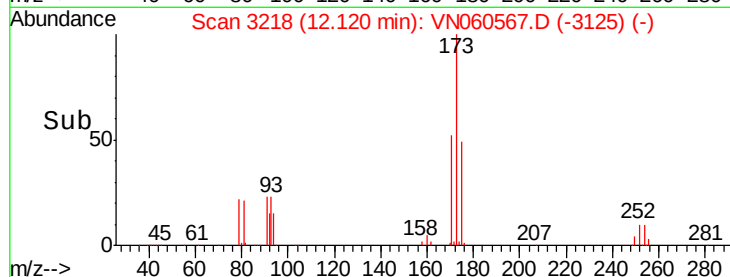
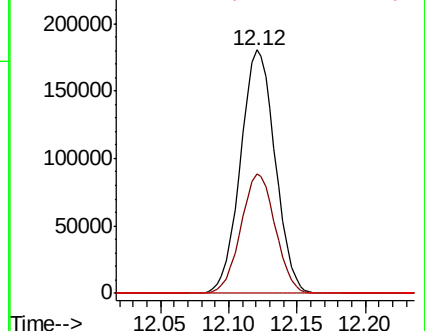
254 0.1 0.0 0.0#



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: VN060567.D

Acq: 17 Mar 2020 19:58

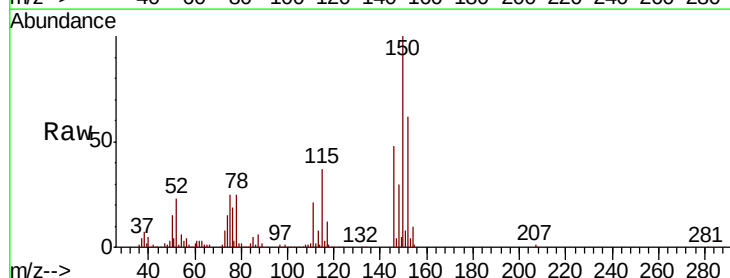
Tgt Ion:152 Resp: 168224

Ion Ratio Lower Upper

152 100

115 59.4 30.2 90.6

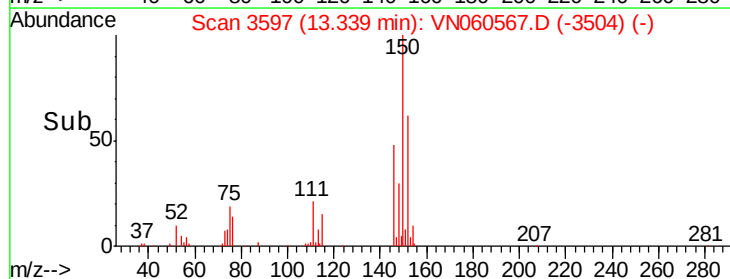
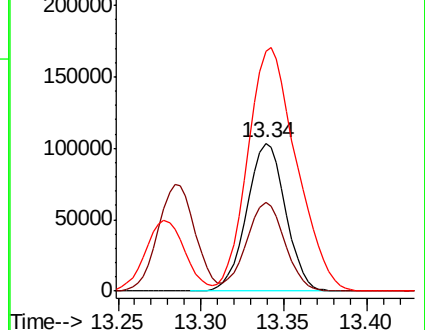
150 207.0 0.0 350.2

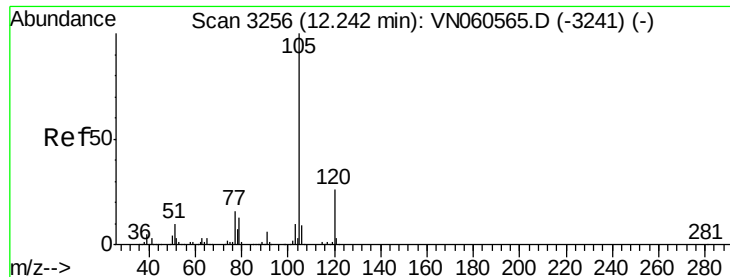


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 145.516 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

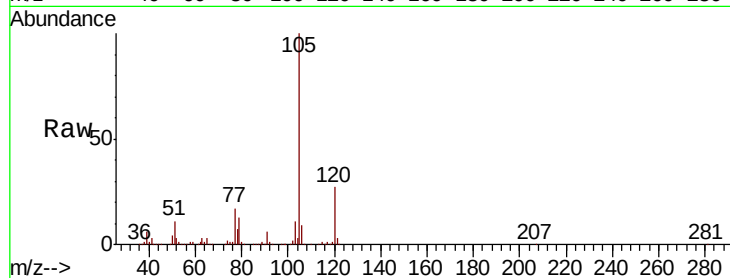
VSTDIC150

Tot Ion:105 Resp: 1830826

Ion Ratio Lower Upper

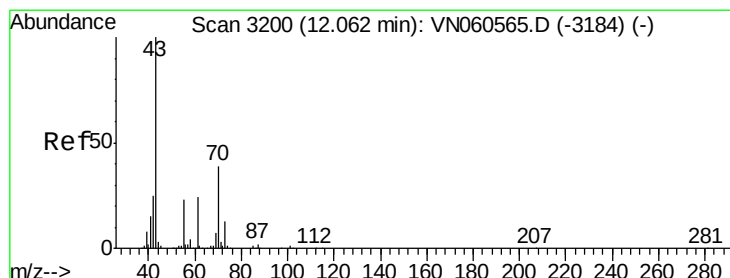
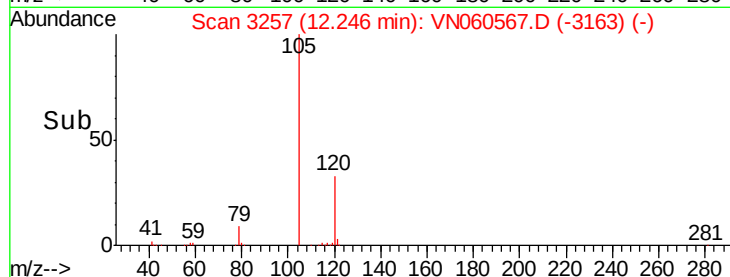
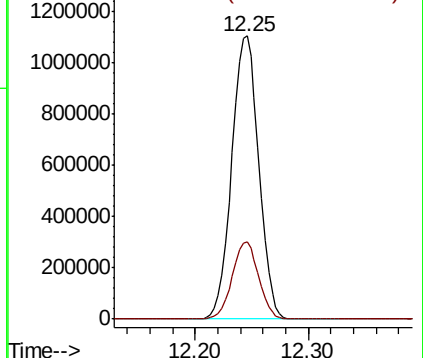
105 100

120 26.7 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 163.923 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Tgt Ion: 43 Resp: 911409

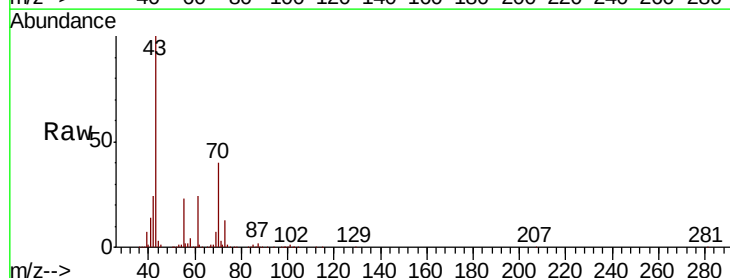
Ion Ratio Lower Upper

43 100

70 39.6 31.1 46.7

55 23.0 18.6 27.8

61 23.8 18.9 28.3

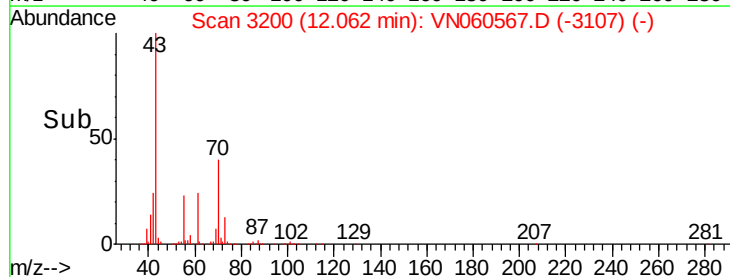
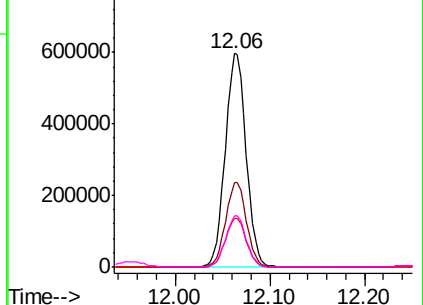


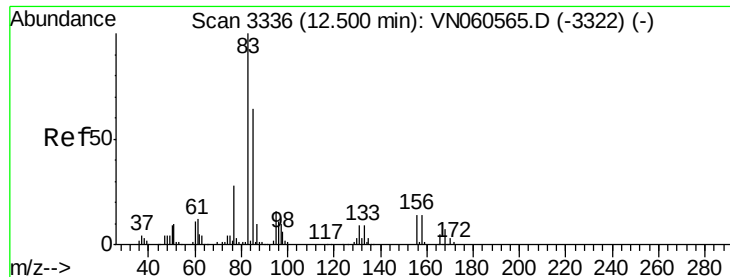
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 162.418 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

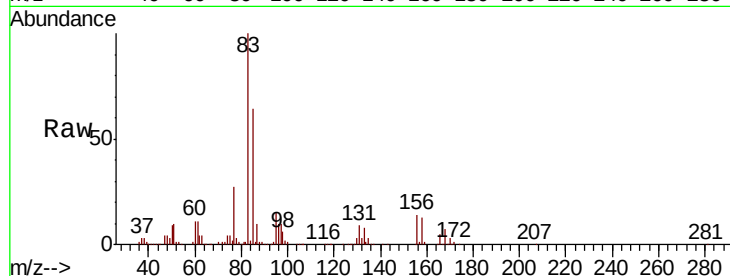
Tot Ion: 83 Resp: 563766

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

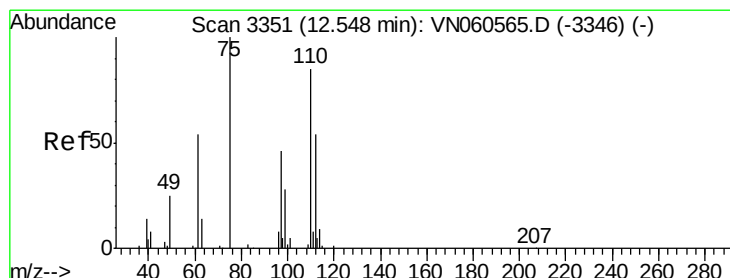
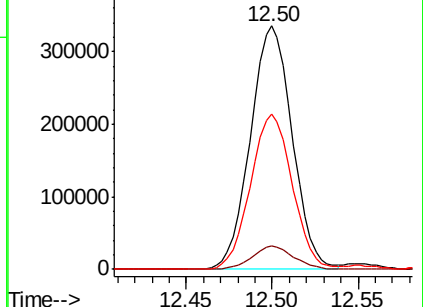
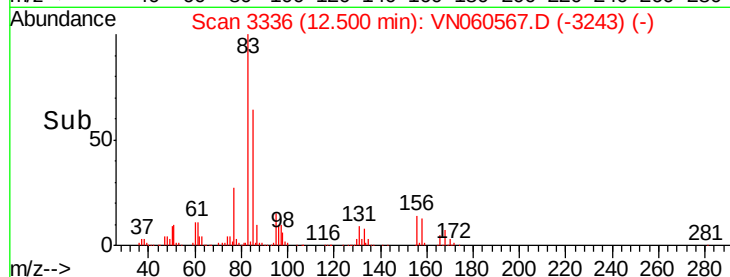
85 63.8 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060567.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060567.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060567.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 214.075 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060567.D

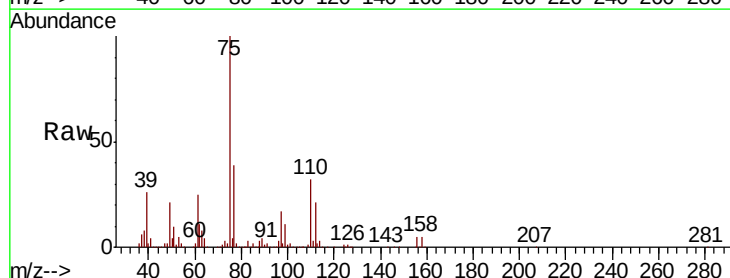
Acq: 17 Mar 2020 19:58

Tgt Ion: 75 Resp: 787199

Ion Ratio Lower Upper

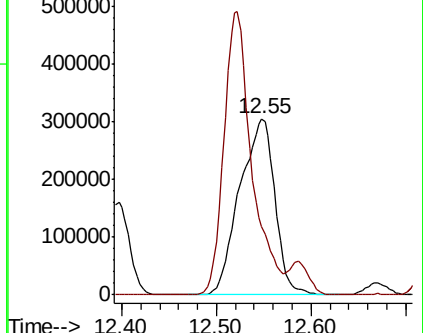
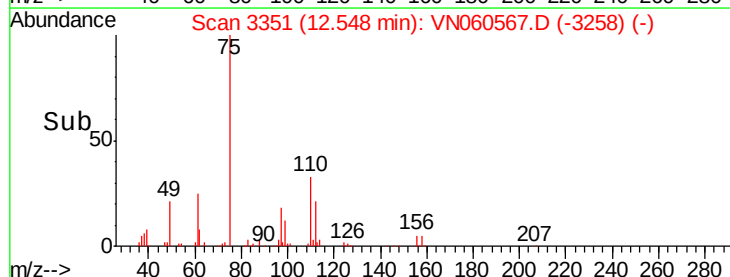
75 100

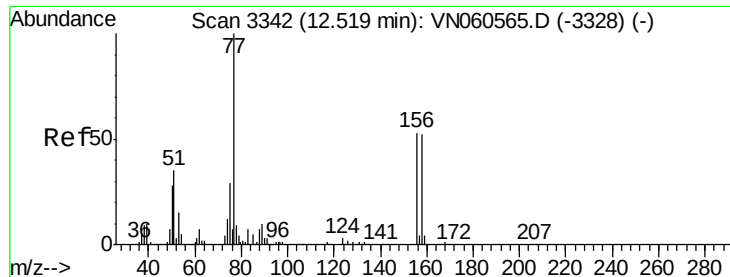
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060567.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060567.D (-3258) (-)





#77

Bromobenzene

Concen: 146.985 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

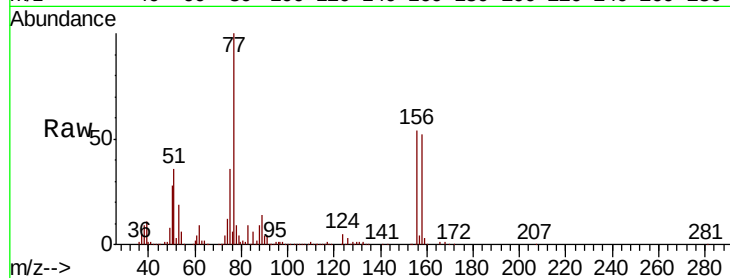
Tot Ion:156 Resp: 451765

Ion Ratio Lower Upper

156 100

77 222.2 112.3 337.0

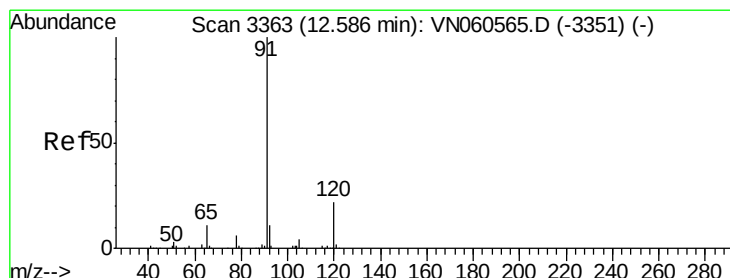
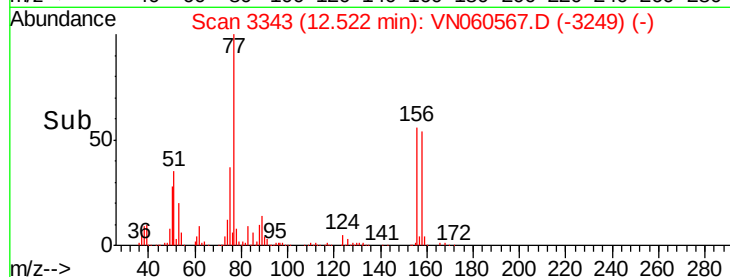
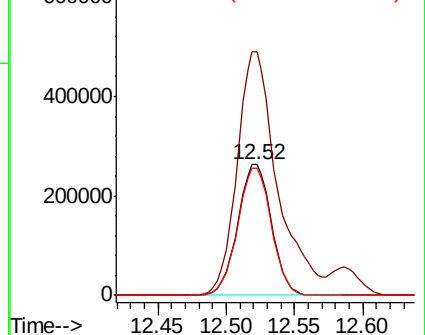
158 97.2 48.6 145.8



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: 147.828 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060567.D

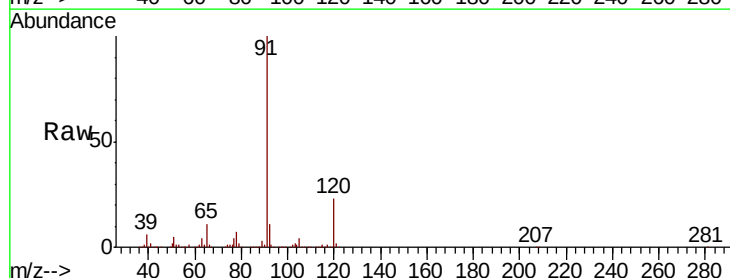
Acq: 17 Mar 2020 19:58

Tgt Ion: 91 Resp: 2185216

Ion Ratio Lower Upper

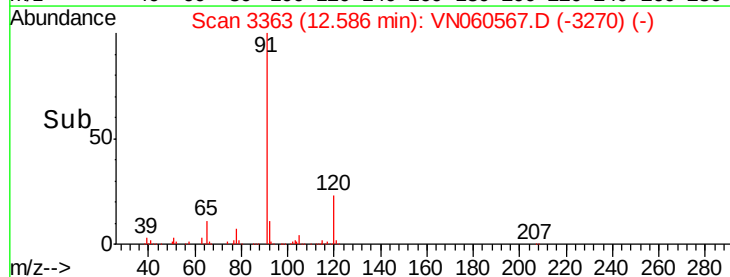
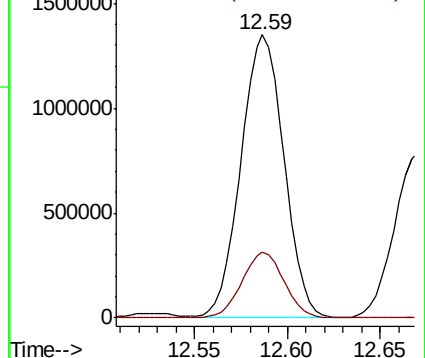
91 100

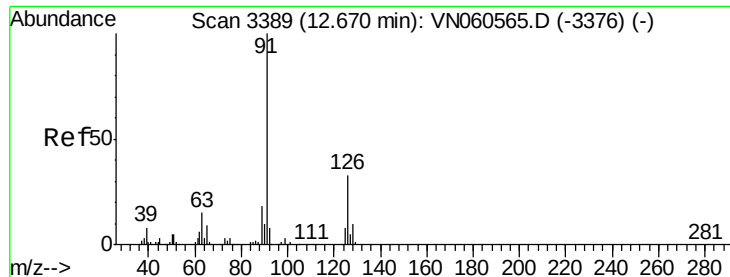
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 150.301 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

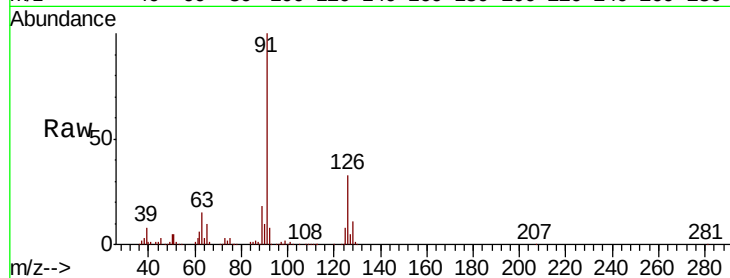
VSTDIC150

Tot Ion: 91 Resp: 1308596

Ion Ratio Lower Upper

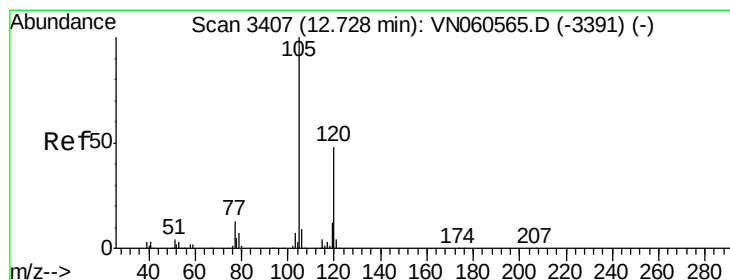
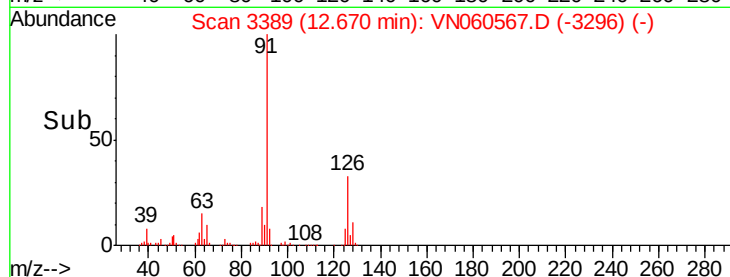
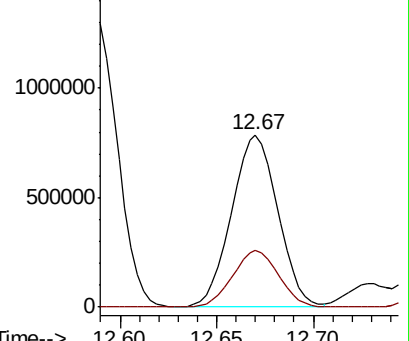
91 100

126 32.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060567.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060567.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 149.238 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060567.D

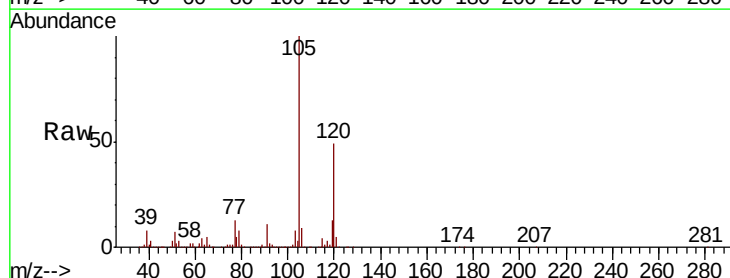
Acq: 17 Mar 2020 19:58

Tgt Ion:105 Resp: 1581422

Ion Ratio Lower Upper

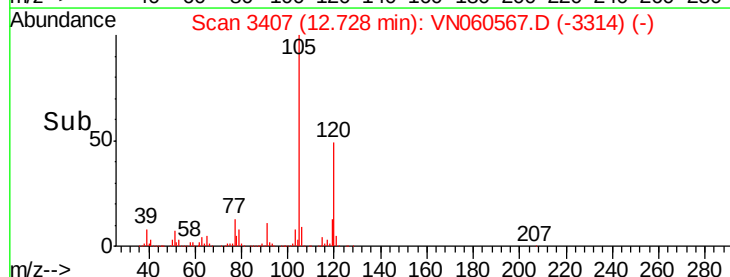
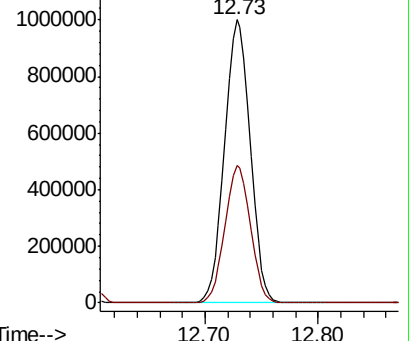
105 100

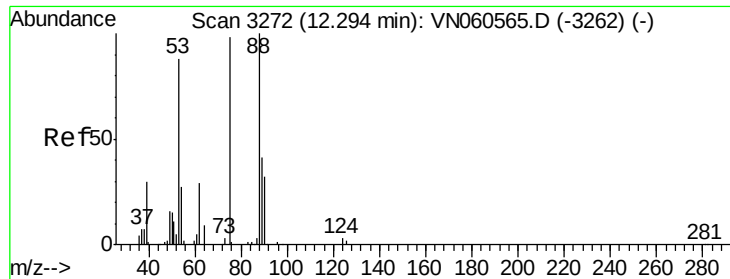
120 48.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060567.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060567.D (-3391) (-)

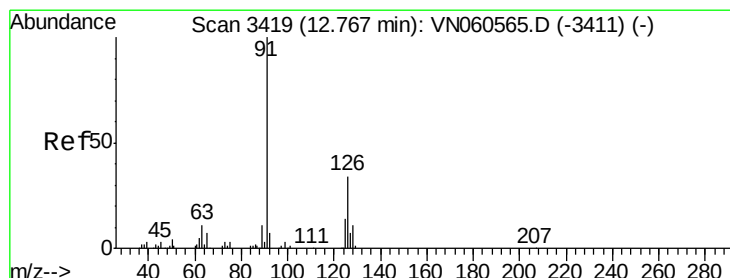
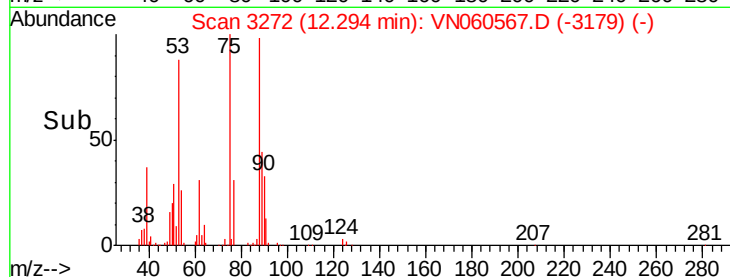
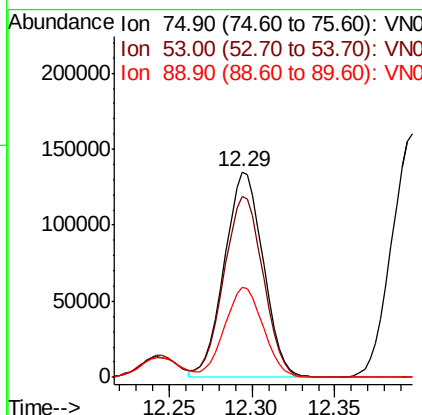
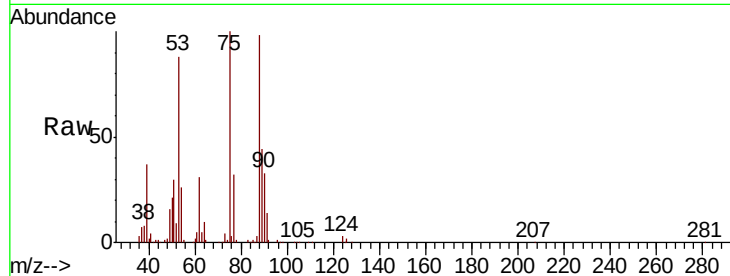




#81
trans-1,4-Dichloro-2-butene
Concen: 163.004 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

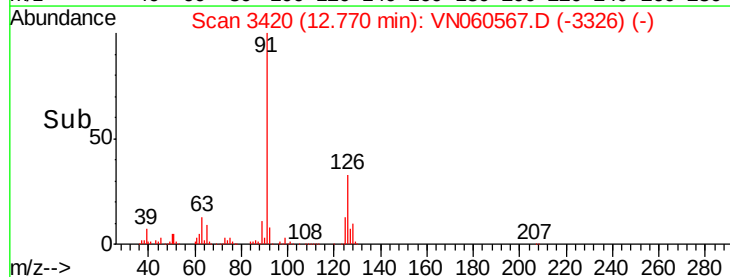
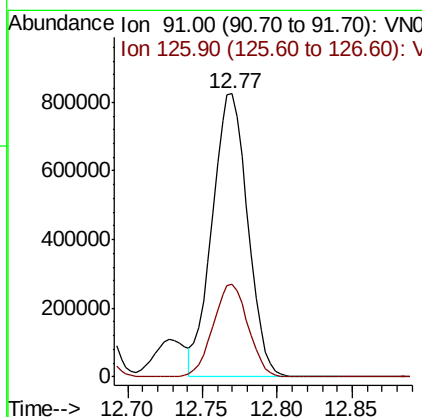
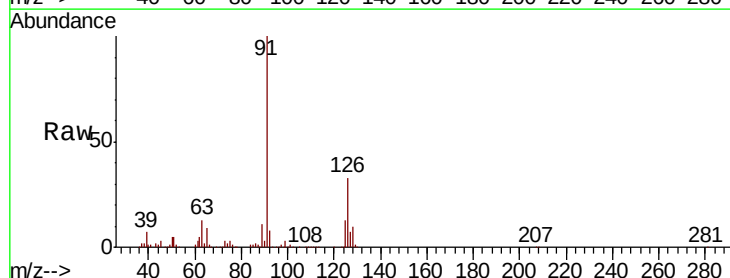
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

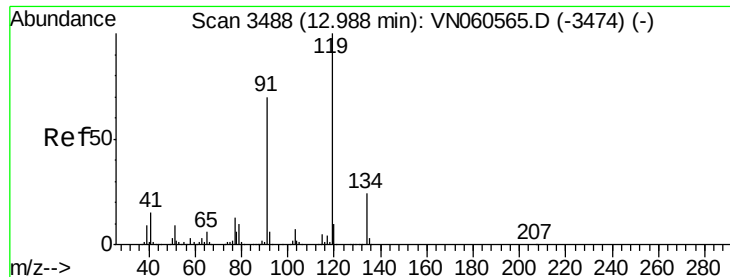
Tot Ion: 75 Resp: 220490
Ion Ratio Lower Upper
75 100
53 89.5 73.0 109.4
89 43.7 34.8 52.2



#82
4-Chlorotoluene
Concen: 148.535 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion: 91 Resp: 1360231
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.5

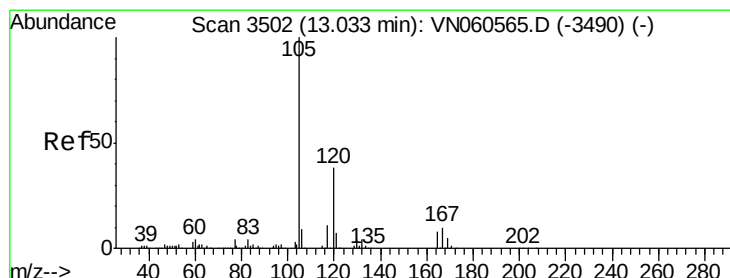
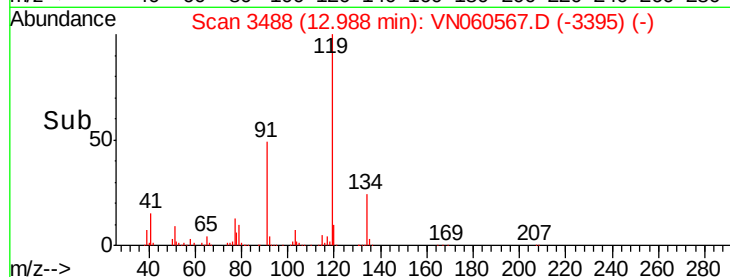
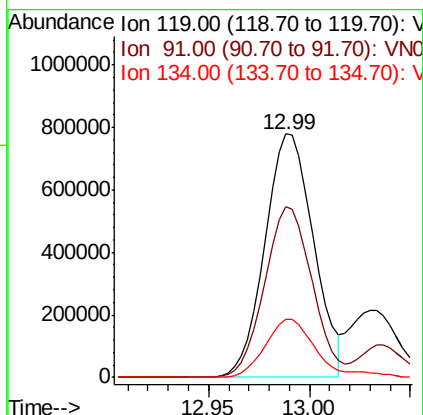
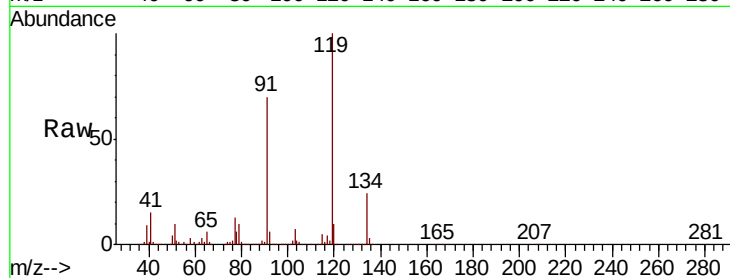




#83
 tert-Butylbenzene
 Concen: 143.274 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

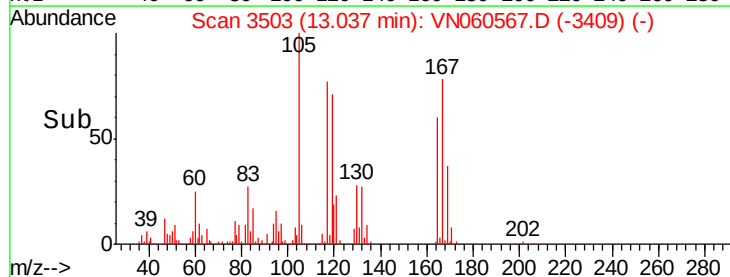
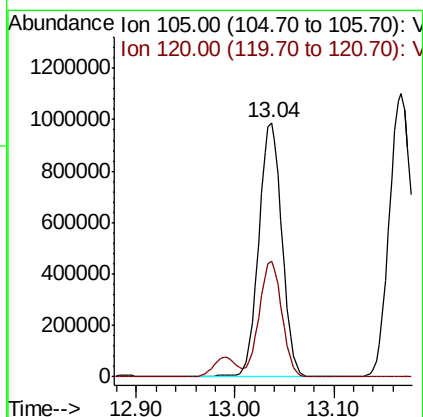
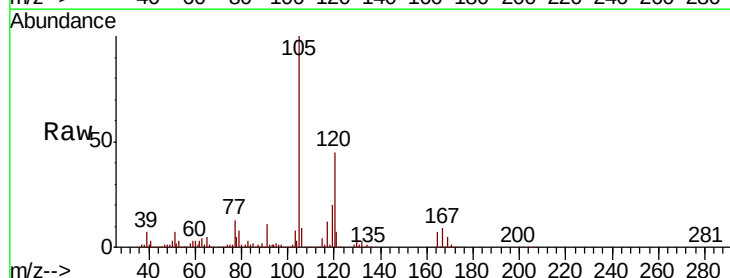
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

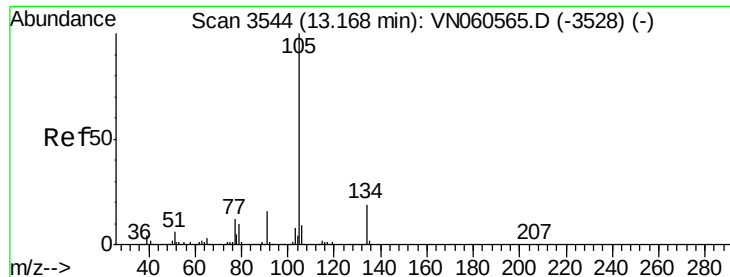
Tot Ion:119 Resp: 1305444
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.0 101.8
 134 25.2 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 148.508 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion:105 Resp: 1585733
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 144.564 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

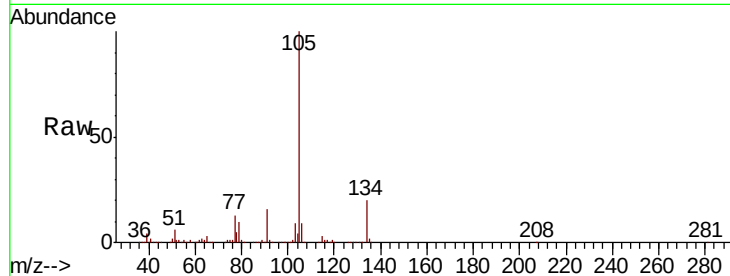
VSTDIC150

Tot Ion:105 Resp: 1767678

Ion Ratio Lower Upper

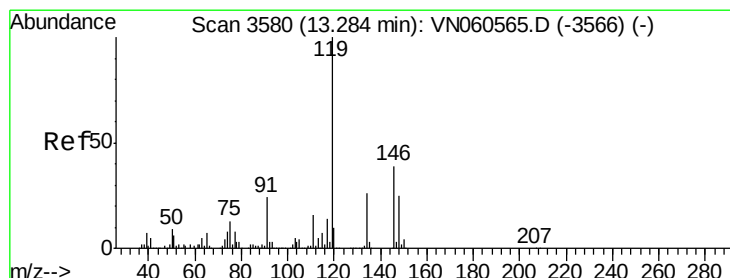
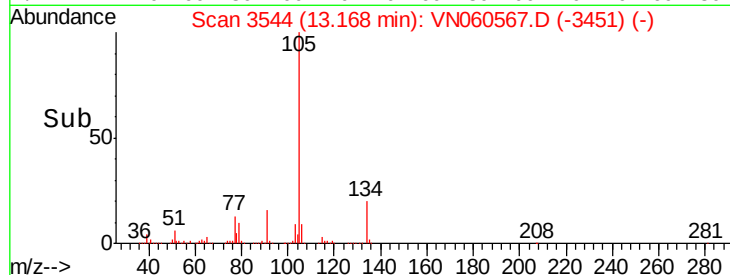
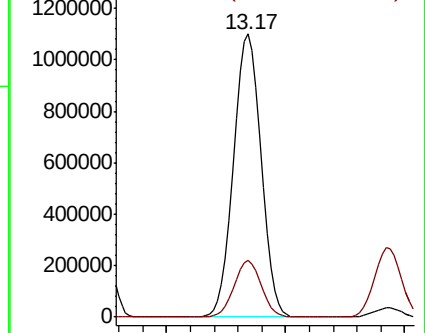
105 100

134 19.7 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 142.015 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

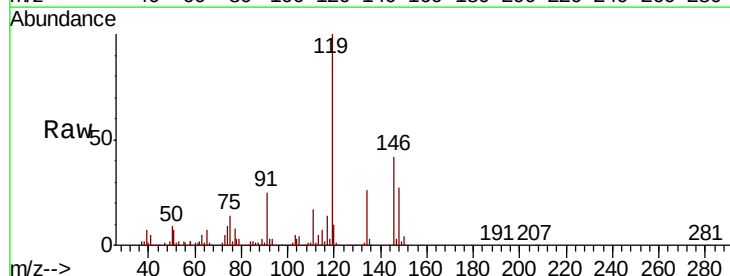
Tgt Ion:119 Resp: 1603767

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

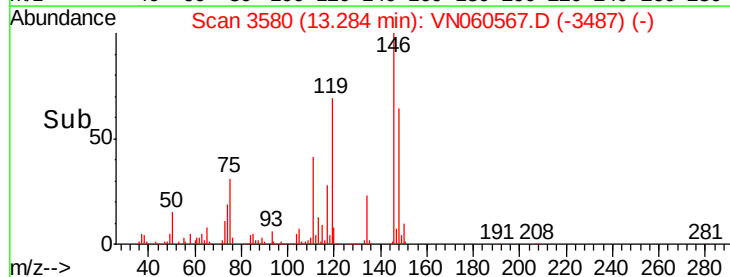
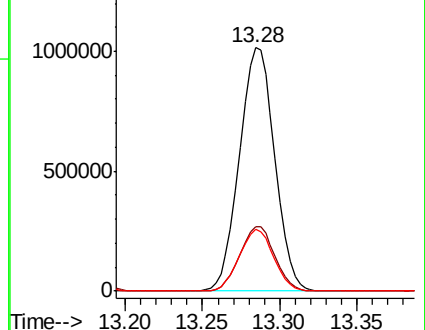
91 24.7 12.0 36.0

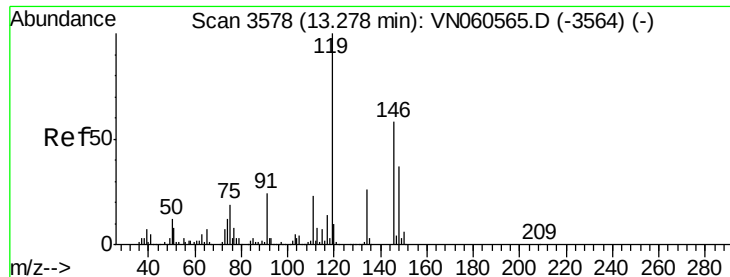


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

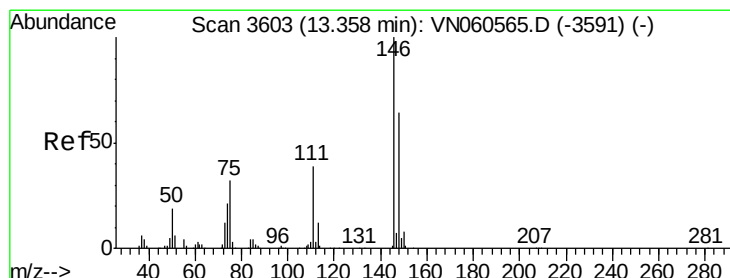
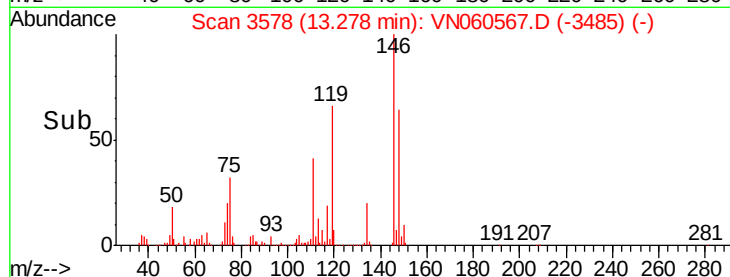
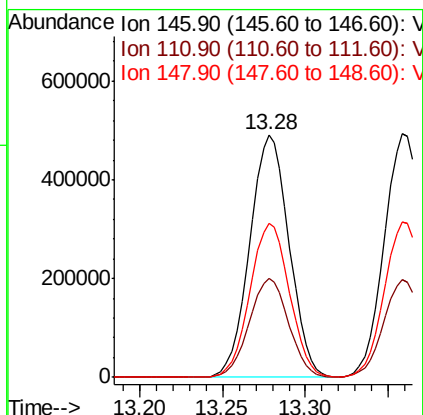
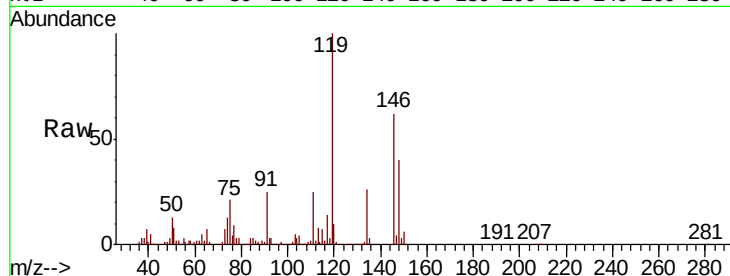




#87
 1,3-Dichlorobenzene
 Concen: 140.447 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

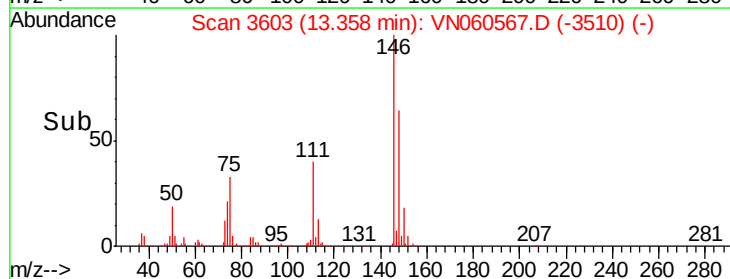
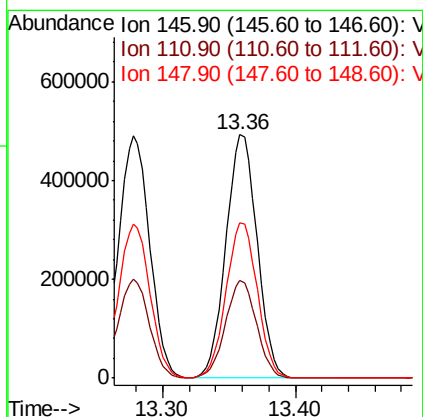
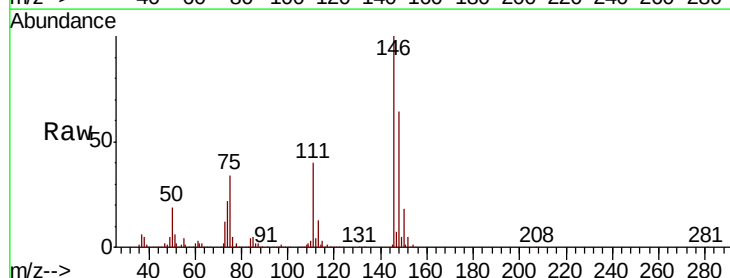
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

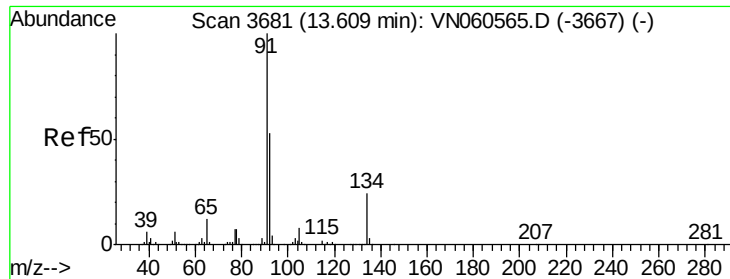
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.8
148	63.9	32.5	97.4



#88
 1,4-Dichlorobenzene
 Concen: 140.377 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	64.0	32.1	96.3

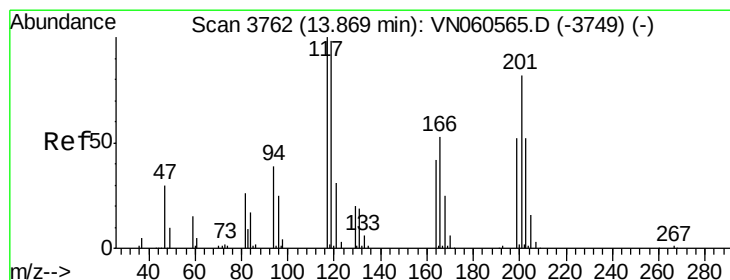
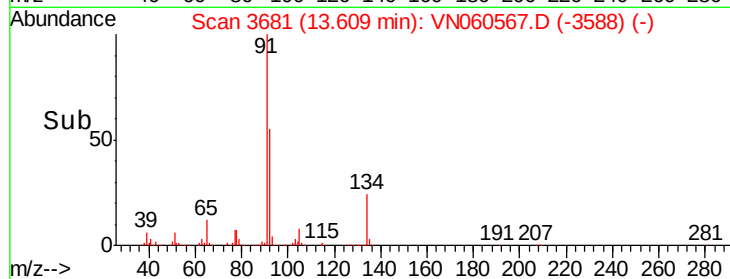
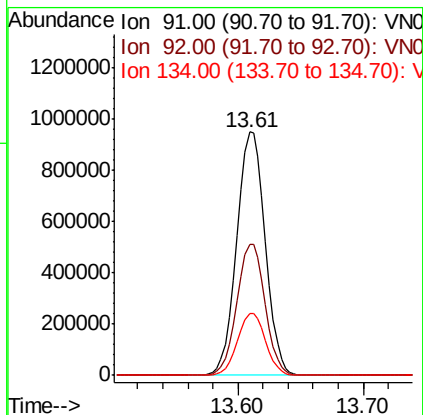
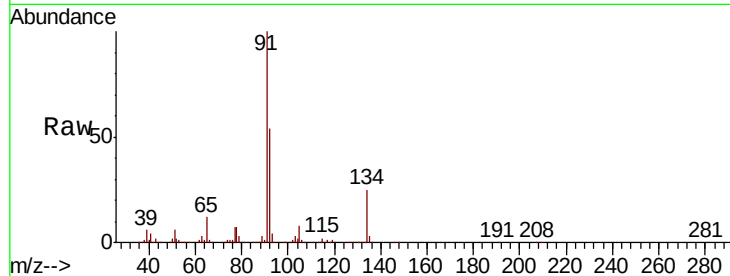




#89
n-Butylbenzene
Concen: 144.213 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

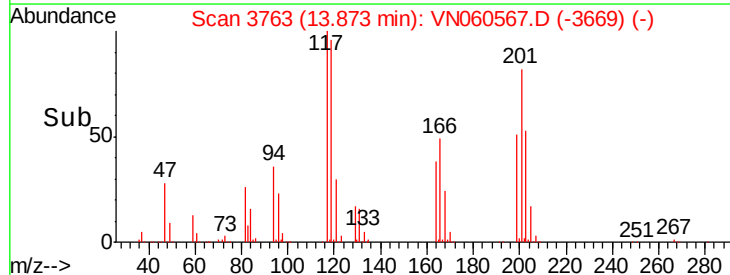
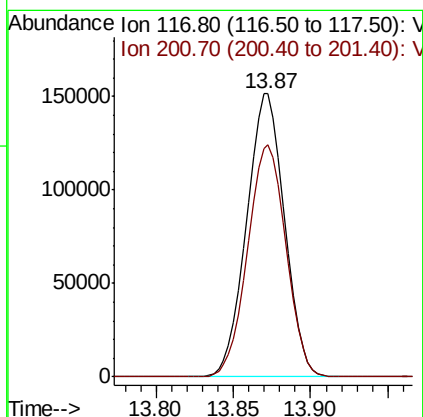
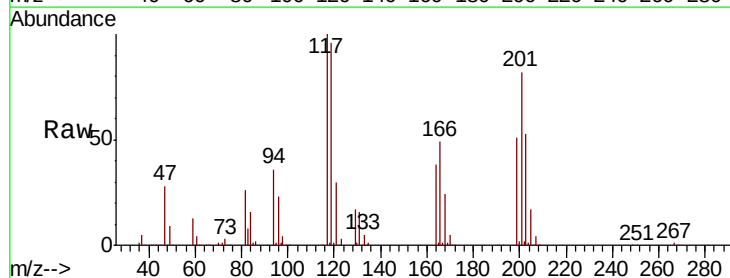
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

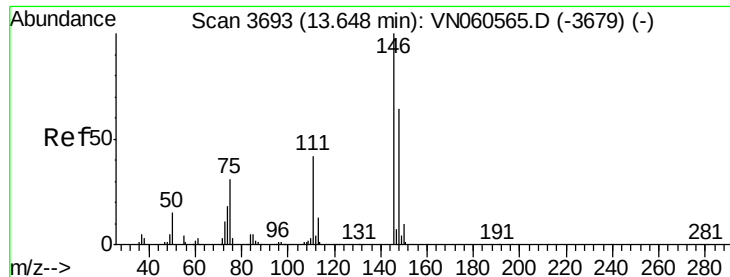
Tot Ion: 91 Resp: 1494200
Ion Ratio Lower Upper
91 100
92 53.3 26.2 78.5
134 25.3 12.3 36.9



#90
Hexachloroethane
Concen: 158.625 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060567.D
Acq: 17 Mar 2020 19:58

Tgt Ion: 117 Resp: 258902
Ion Ratio Lower Upper
117 100
201 82.8 40.8 122.5

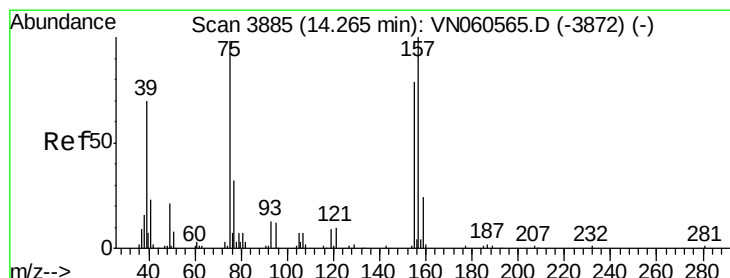
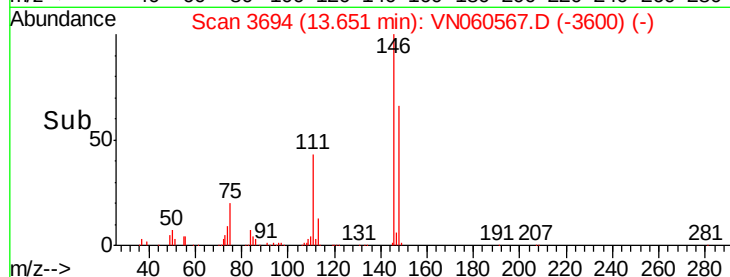
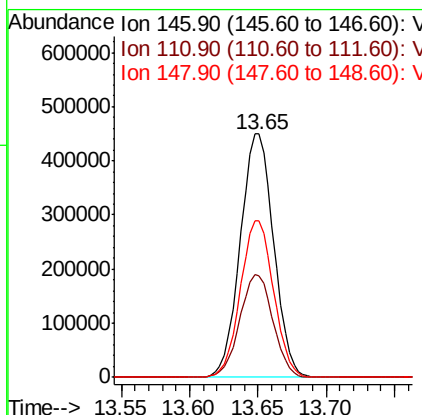
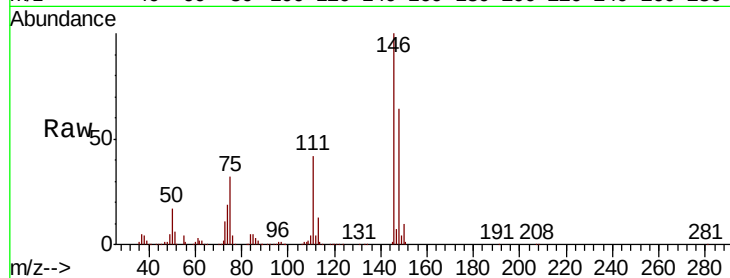




#91
 1,2-Dichlorobenzene
 Concen: 141.990 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

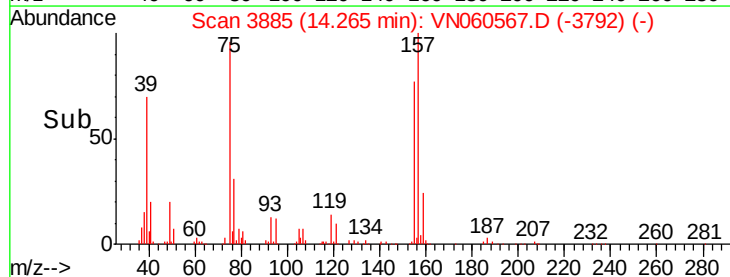
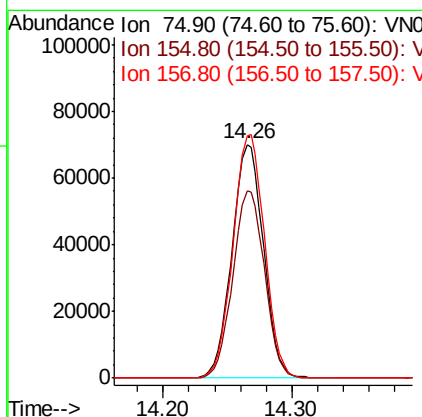
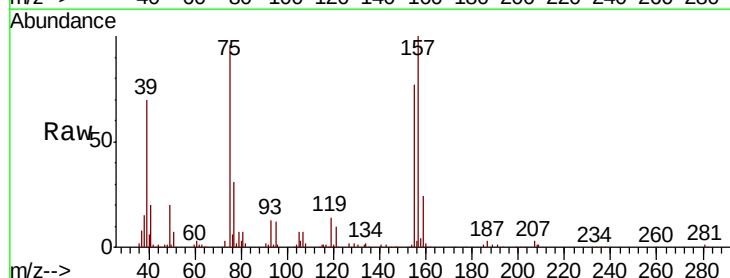
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

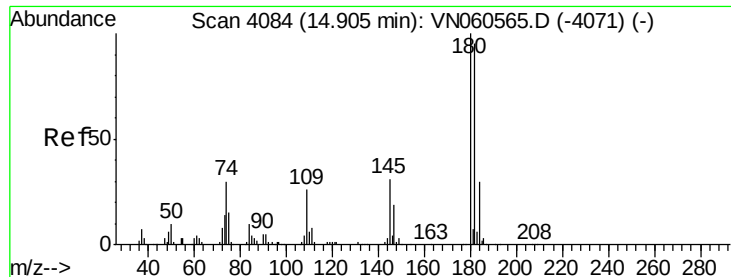
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.9	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 153.260 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	40.7	122.1
157	104.3	51.5	154.7

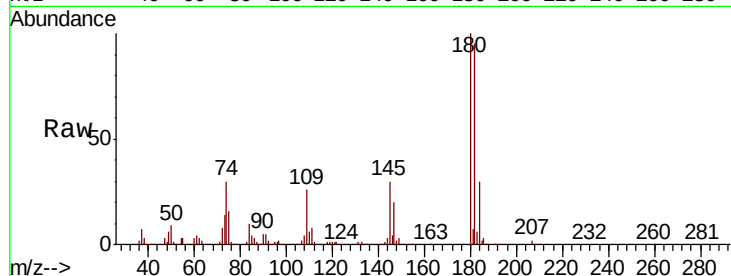




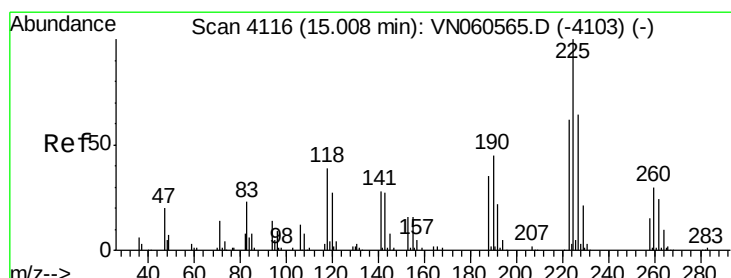
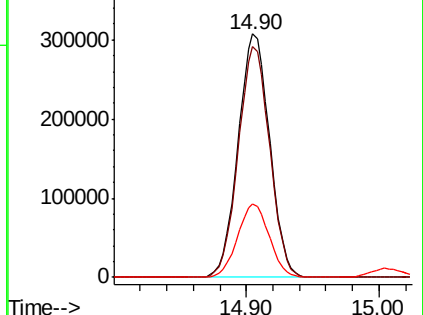
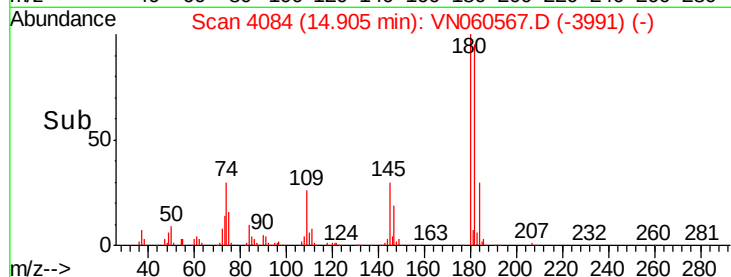
#93
 1,2,4-Trichlorobenzene
 Concen: 133.934 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 506903
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.9 143.8
 145 30.2 15.4 46.2

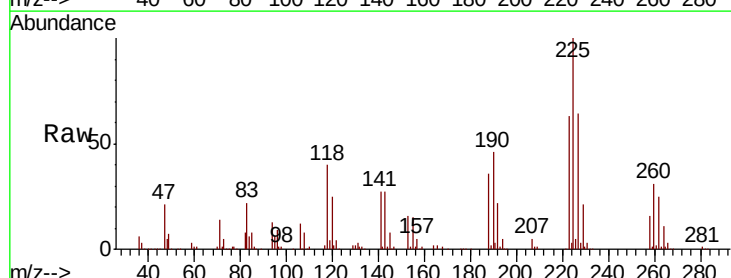


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

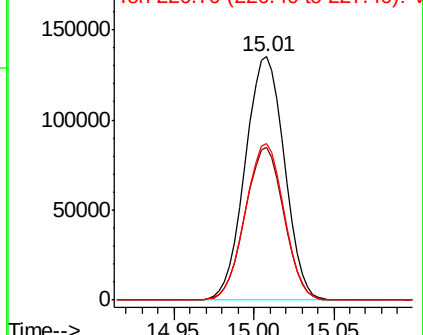
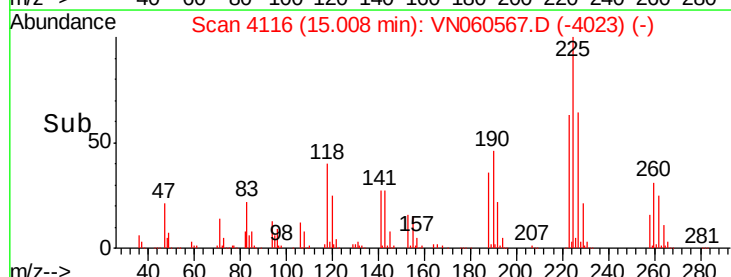


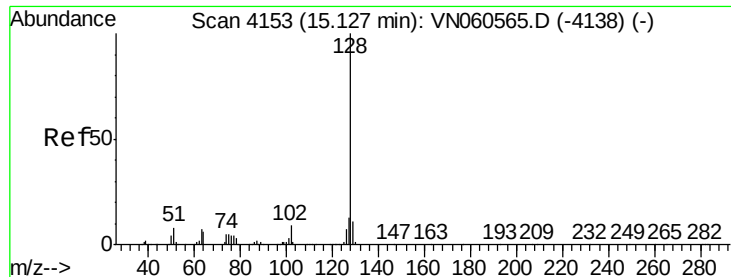
#94
 Hexachlorobutadiene
 Concen: 126.065 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060567.D
 Acq: 17 Mar 2020 19:58

Tgt Ion:225 Resp: 226507
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.6 95.0
 227 63.6 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: 140.541 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Instrument :

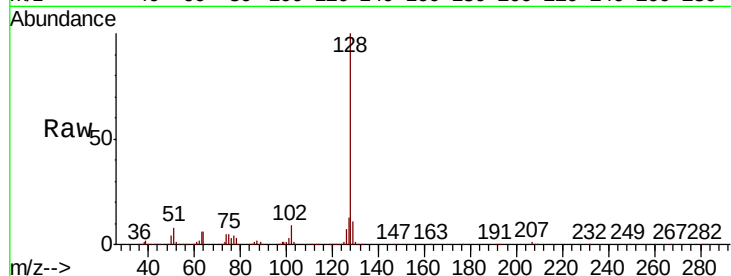
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1535125

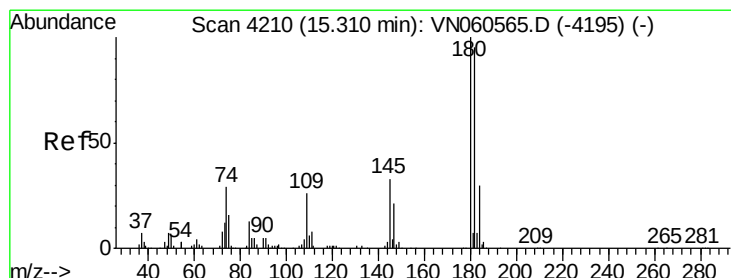
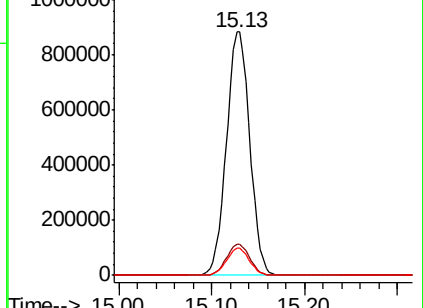
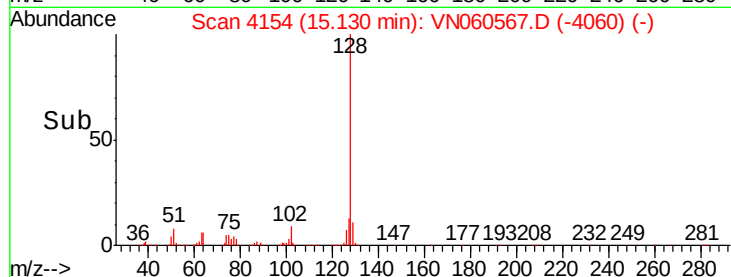
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 135.082 ug/l

RT: 15.31 min Scan# 4210

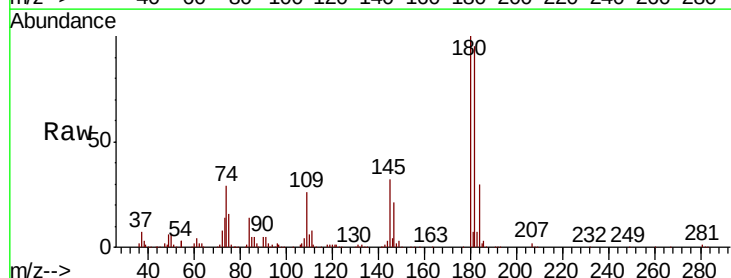
Delta R.T. -0.00 min

Lab File: VN060567.D

Acq: 17 Mar 2020 19:58

Tgt Ion:180 Resp: 481106

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	32.5	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

