

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060564.D
 Acq On : 17 Mar 2020 18:50
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 18 08:05:36 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	208167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	354729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148687	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	57476	20.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.98%	
35) Dibromofluoromethane	7.57	113	42358	24.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.18%	
50) Toluene-d8	10.08	98	171479	20.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.10%	
62) 4-Bromofluorobenzene	12.40	95	61291	19.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	41927	21.525	ug/l	99
3) Chloromethane	2.04	50	75496	22.038	ug/l	98
4) Vinyl Chloride	2.16	62	59618	20.626	ug/l	99
5) Bromomethane	2.55	94	25375	19.854	ug/l	95
6) Chloroethane	2.68	64	34439	21.607	ug/l	100
7) Trichlorofluoromethane	3.00	101	73638	20.069	ug/l	96
8) Diethyl Ether	3.38	74	29626	21.161	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	42508	20.411	ug/l	99
10) Methyl Iodide	3.93	142	34103	18.169	ug/l	99
11) Tert butyl alcohol	4.73	59	42548	106.444	ug/l	100
12) 1,1-Dichloroethene	3.72	96	44742	20.087	ug/l	99
13) Acrolein	3.58	56	46454	120.849	ug/l	100
14) Allyl chloride	4.29	41	82966	22.299	ug/l	96
15) Acrylonitrile	4.95	53	126098	117.146	ug/l	99
16) Acetone	3.78	43	102374	115.019	ug/l	97
17) Carbon Disulfide	4.03	76	135957	21.072	ug/l	98
18) Methyl Acetate	4.29	43	55853	19.152	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	154765	21.021	ug/l	97
20) Methylene Chloride	4.52	84	50096	20.752	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	48760	19.345	ug/l	97
22) Diisopropyl ether	5.92	45	169711	22.123	ug/l	99
23) Vinyl Acetate	5.86	43	699114	114.550	ug/l	100
24) 1,1-Dichloroethane	5.82	63	93383	21.673	ug/l	100
25) 2-Butanone	6.80	43	165349	115.047	ug/l	100
26) 2,2-Dichloropropane	6.80	77	73063	19.115	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	55196	19.846	ug/l	99
28) Bromochloromethane	7.17	49	45455	24.685	ug/l	99
29) Tetrahydrofuran	7.18	42	118021	117.723	ug/l	99
30) Chloroform	7.35	83	87955	20.652	ug/l	100
31) Cyclohexane	7.63	56	90112	22.077	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	77918	20.681	ug/l	100
36) 1,1-Dichloropropene	7.77	75	68435	19.890	ug/l	99
37) Ethyl Acetate	6.90	43	72777	22.201	ug/l	99
38) Carbon Tetrachloride	7.75	117	61619	18.743	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	80624	19.891	ug/l	99
40) Benzene	8.02	78	204409	20.446	ug/l	100
41) Methacrylonitrile	7.14	41	32720	21.938	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	71743	20.113	ug/l	100
43) Isopropyl Acetate	8.14	43	122581	21.480	ug/l	100
44) Trichloroethene	8.82	130	52485	19.068	ug/l	97
45) 1,2-Dichloropropane	9.10	63	55107	21.114	ug/l	100
46) Dibromomethane	9.19	93	33403	19.880	ug/l	99
47) Bromodichloromethane	9.39	83	68047	19.924	ug/l	98
48) Methyl methacrylate	9.18	41	52173	20.074	ug/l	98
49) 1,4-Dioxane	9.18	88	13358	370.716	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	352997	108.876	ug/l	100
52) Toluene	10.14	92	124812	19.988	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	77684	18.591	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	85950	19.794	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	47651	19.075	ug/l	98
56) Ethyl methacrylate	10.42	69	74288	20.508	ug/l	100
57) 1,3-Dichloropropane	10.70	76	83842	20.468	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	168077	89.099	ug/l	99
59) 2-Hexanone	10.74	43	252393	106.137	ug/l	100
60) Dibromochloromethane	10.89	129	49965	19.675	ug/l	100
61) 1,2-Dibromoethane	11.00	107	48241	19.753	ug/l	99
64) Tetrachloroethene	10.62	164	51138	17.933	ug/l	98
65) Chlorobenzene	11.43	112	126408	19.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	46721	19.457	ug/l	99
67) Ethyl Benzene	11.50	91	237050	19.824	ug/l	98
68) m/p-Xylenes	11.62	106	173200	38.410	ug/l	98
69) o-Xylene	11.94	106	83913	19.528	ug/l	99
70) Styrene	11.96	104	134281	19.025	ug/l	99
71) Bromoform	12.12	173	34705	19.928	ug/l #	99
73) Isopropylbenzene	12.25	105	225172	20.249	ug/l	100
74) N-amyl acetate	12.06	43	100400	20.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	68564	22.348	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	92382	28.424	ug/l #	100
77) Bromobenzene	12.52	156	53593	19.728	ug/l	98
78) n-propylbenzene	12.59	91	263596	20.175	ug/l	99
79) 2-Chlorotoluene	12.67	91	154141	20.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	188846	20.163	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	24100	20.158	ug/l	98
82) 4-Chlorotoluene	12.77	91	158350	19.564	ug/l	100
83) tert-Butylbenzene	12.99	119	157245	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	188470	19.970	ug/l	100
85) sec-Butylbenzene	13.17	105	210356	19.464	ug/l	100
86) p-Isopropyltoluene	13.28	119	187821	18.817	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	94302	18.556	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93995	18.537	ug/l	99
89) n-Butylbenzene	13.61	91	169106	18.466	ug/l	100
90) Hexachloroethane	13.87	117	27106	18.790	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	91736	19.305	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	14262	20.801	ug/l	96

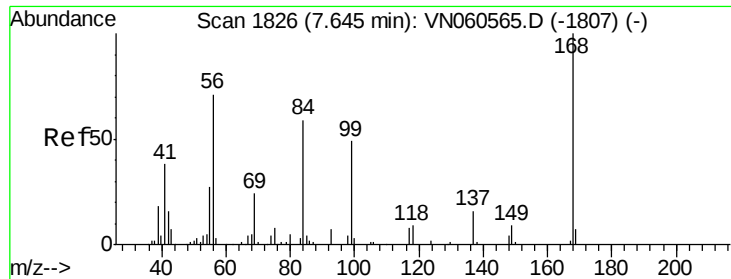
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	56332	16.840	ug/l	100
94) Hexachlorobutadiene	15.01	225	27745	17.471	ug/l	98
95) Naphthalene	15.13	128	168941	17.499	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	54945	17.454	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

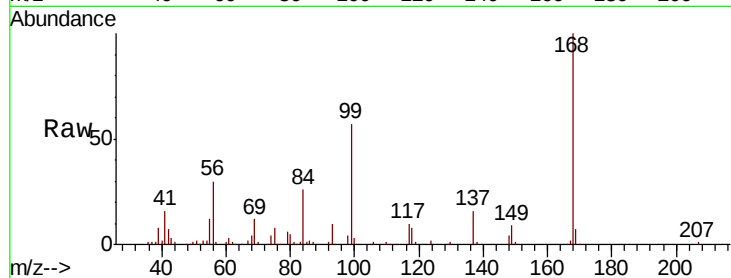
VSTDIC020

Tot Ion:168 Resp: 208167

Ion Ratio Lower Upper

168 100

99 56.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

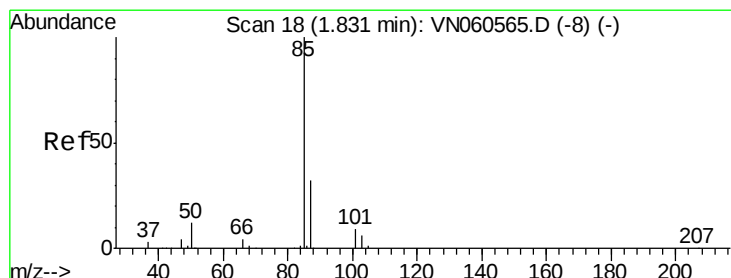
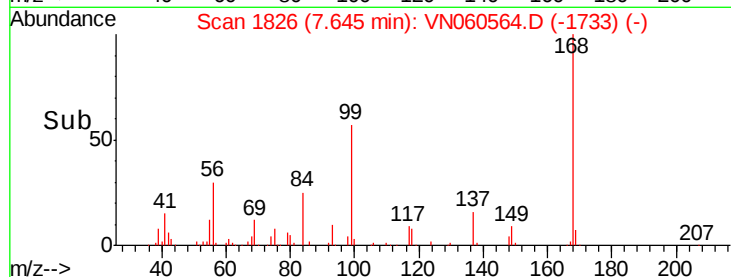
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.525 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060564.D

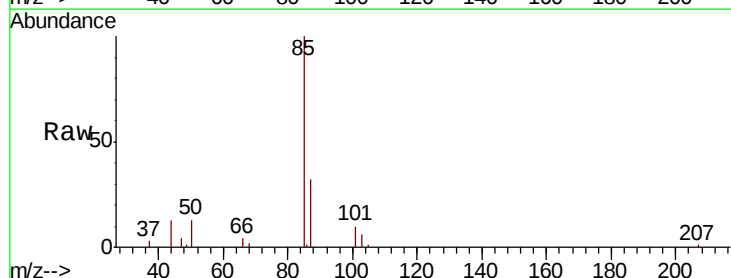
Acq: 17 Mar 2020 18:50

Tgt Ion: 85 Resp: 41927

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

20000

10000

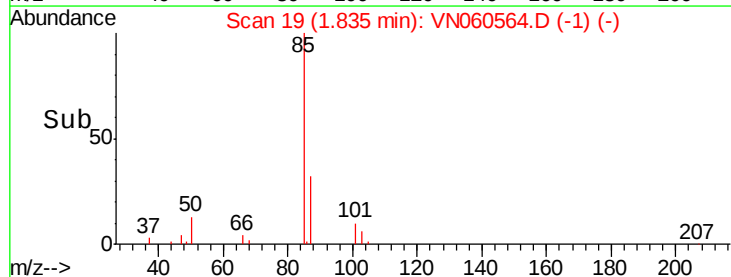
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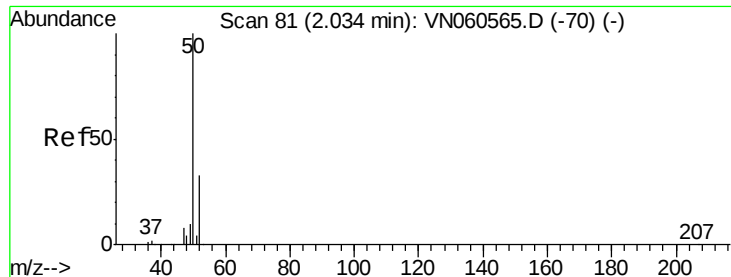
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 22.038 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

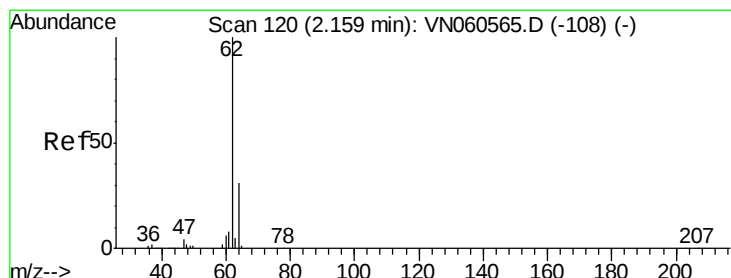
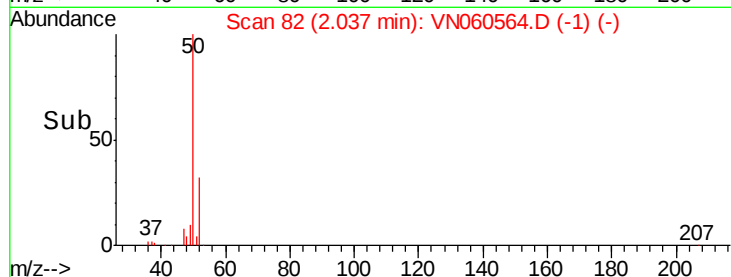
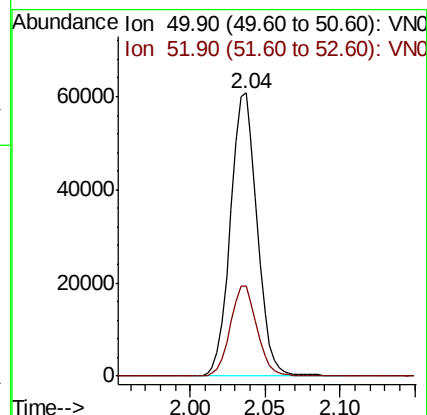
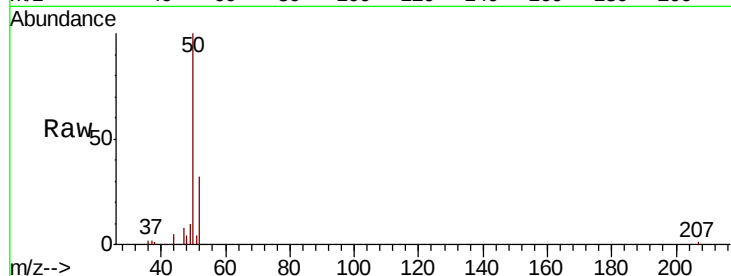
VSTDIC020

Tot Ion: 50 Resp: 75496

Ion Ratio Lower Upper

50 100

52 31.6 26.2 39.2



#4

Vinyl Chloride

Concen: 20.626 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060564.D

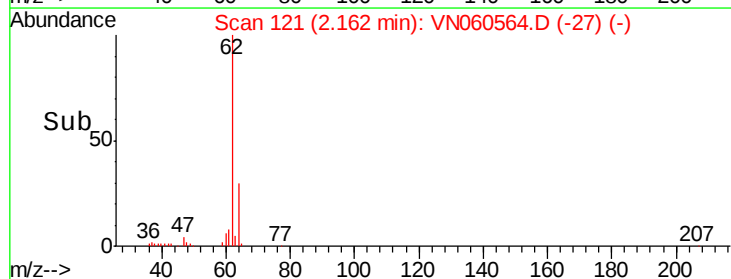
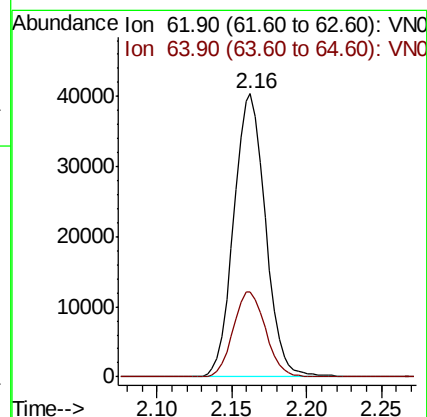
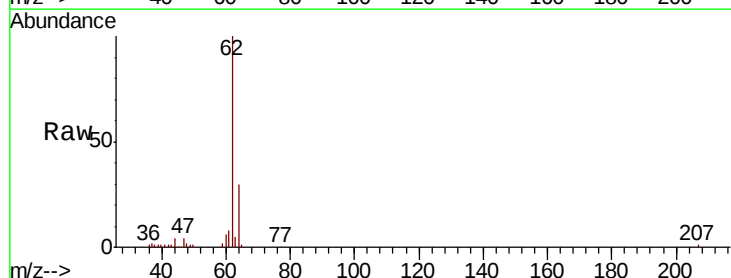
Acq: 17 Mar 2020 18:50

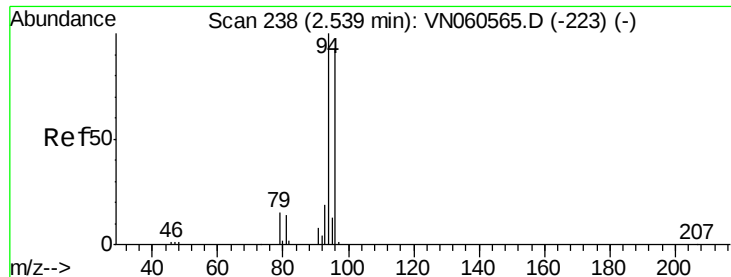
Tgt Ion: 62 Resp: 59618

Ion Ratio Lower Upper

62 100

64 30.1 24.7 37.1





#5

Bromomethane

Concen: 19.854 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

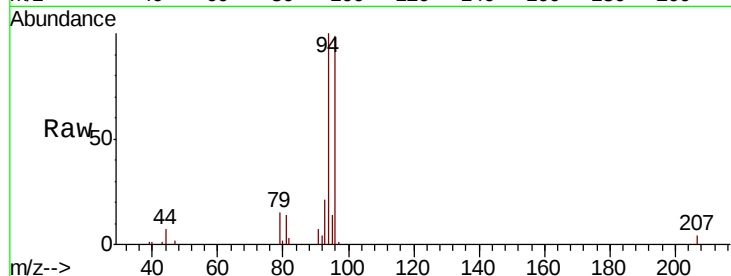
VSTDIC020

Tot Ion: 94 Resp: 25375

Ion Ratio Lower Upper

94 100

96 98.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN060564.D (-240) (-)

Ion 95.90 (95.60 to 96.60): VN060564.D (-240) (-)

2.55

15000

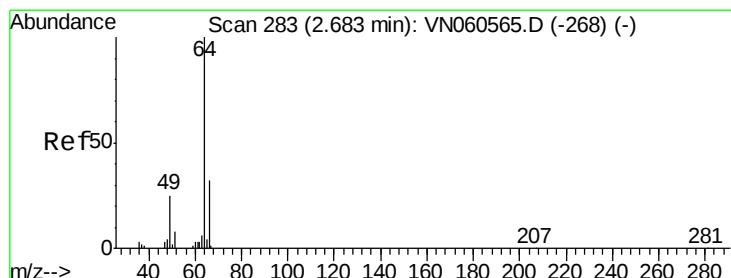
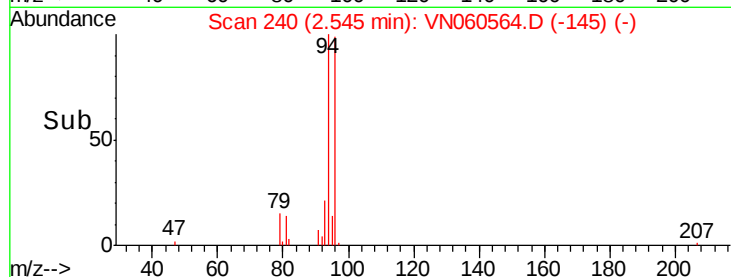
10000

5000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 21.607 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060564.D

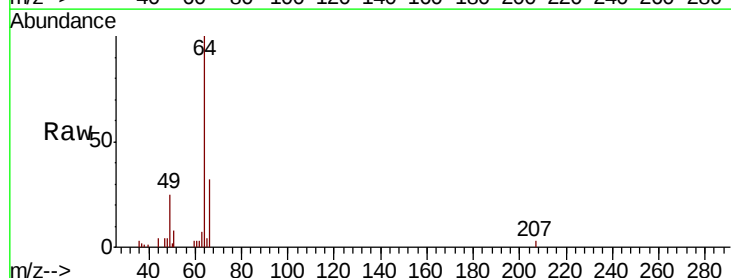
Acq: 17 Mar 2020 18:50

Tgt Ion: 64 Resp: 34439

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060564.D (-283) (-)

Ion 65.90 (65.60 to 66.60): VN060564.D (-283) (-)

2.68

20000

15000

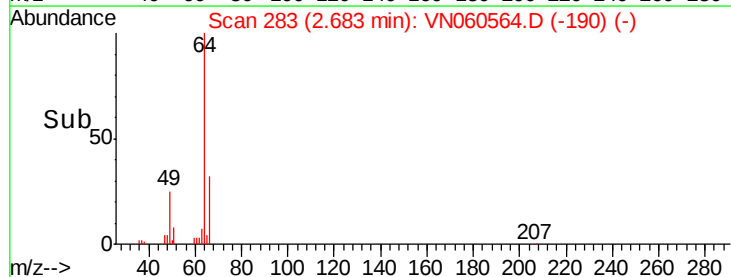
10000

5000

0

Time-->

2.60 2.65 2.70 2.75



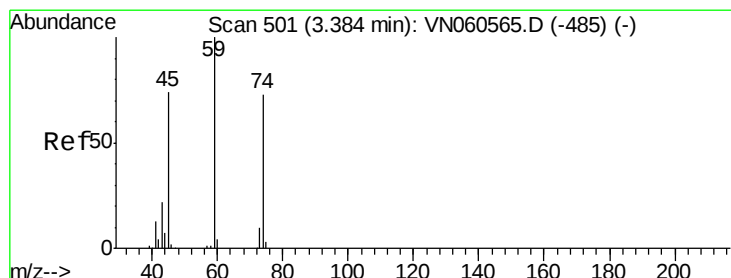
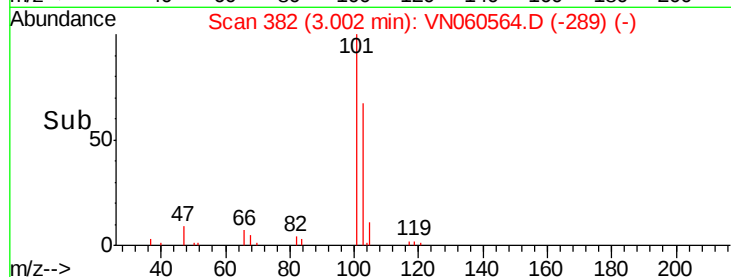
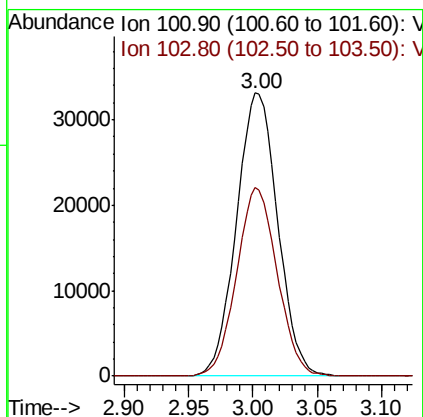
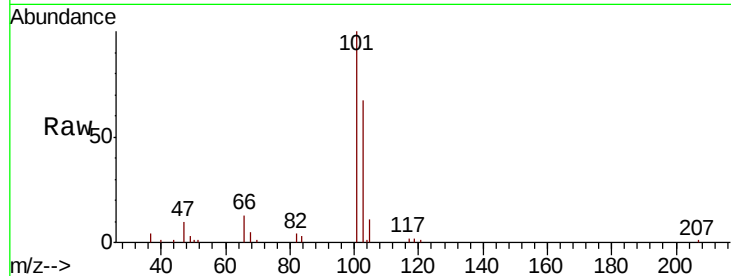


#7

Trichlorofluoromethane
 Concen: 20.069 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060564.D
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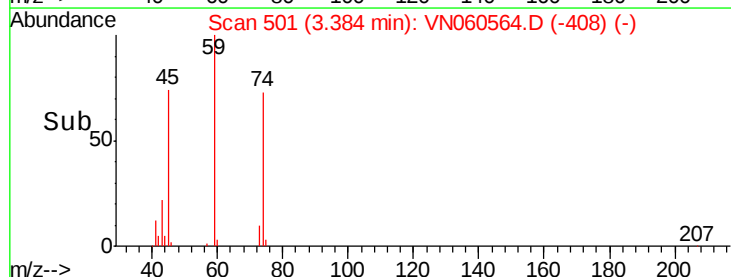
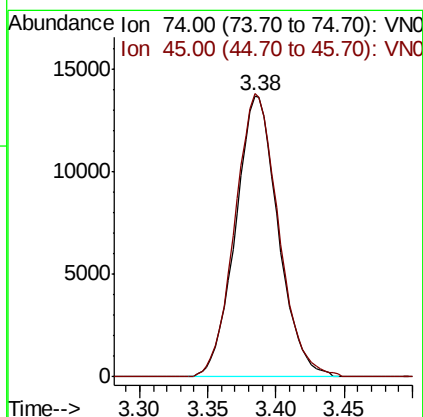
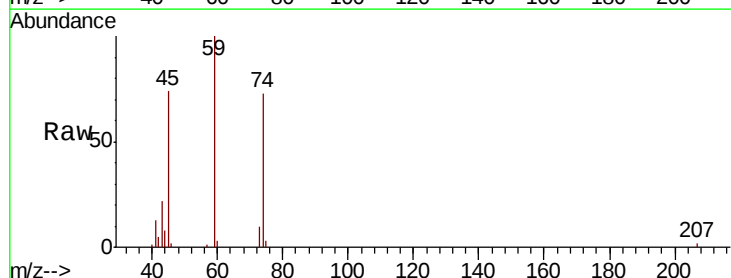
Tot Ion:101 Resp: 73638
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.6 76.0

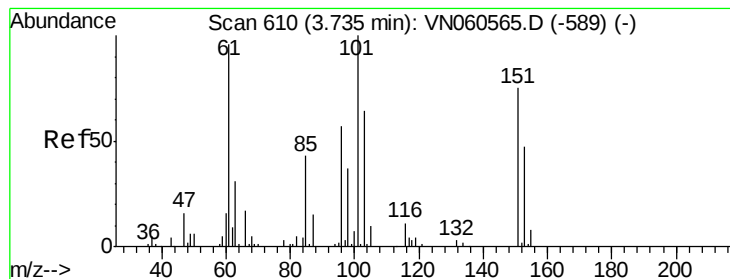


#8

Diethyl Ether
 Concen: 21.161 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion: 74 Resp: 29626
 Ion Ratio Lower Upper
 74 100
 45 103.4 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.411 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

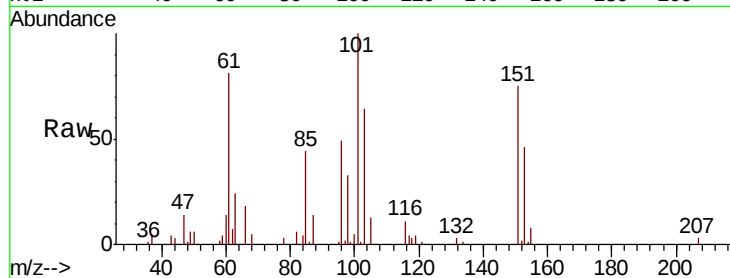
Tot Ion:101 Resp: 42508

Ion Ratio Lower Upper

101 100

85 45.1 35.6 53.4

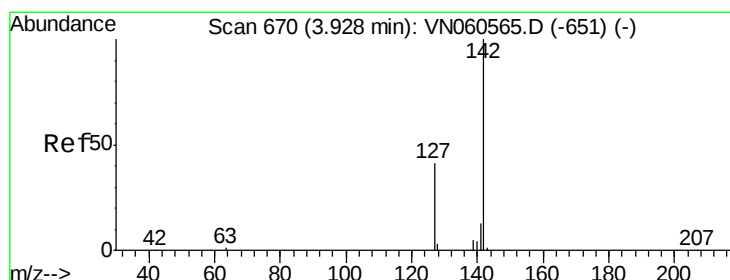
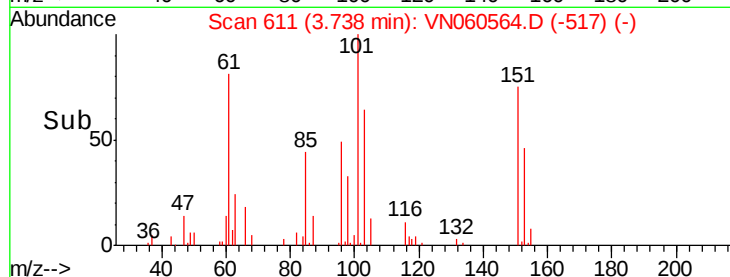
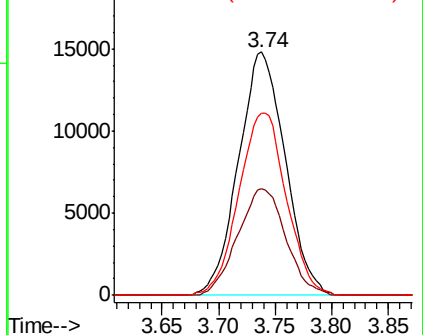
151 76.3 61.4 92.2



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: 18.169 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

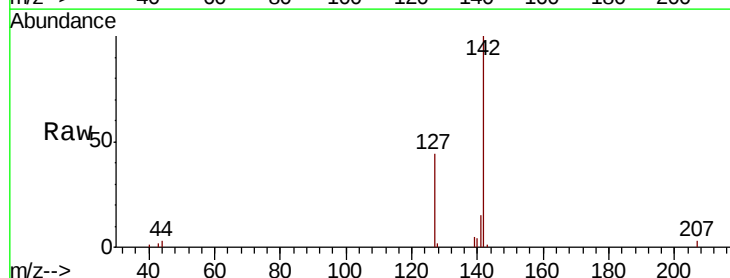
Tgt Ion:142 Resp: 34103

Ion Ratio Lower Upper

142 100

127 42.5 33.5 50.3

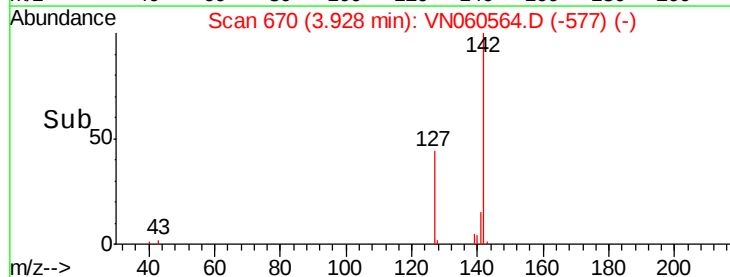
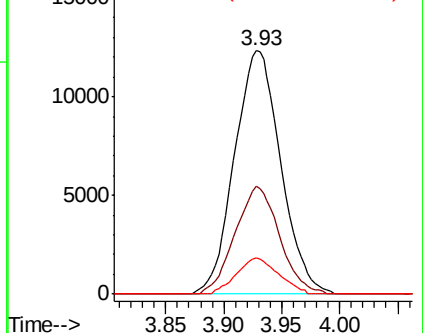
141 13.5 11.0 16.6

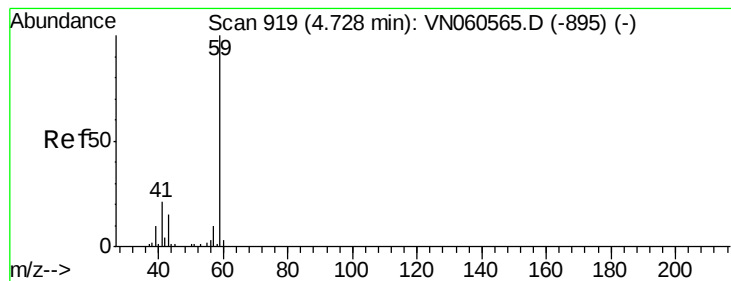


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



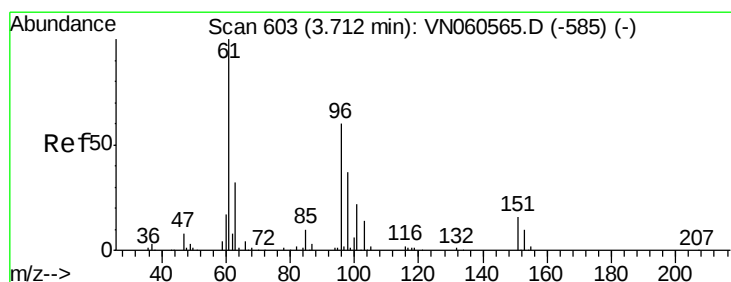
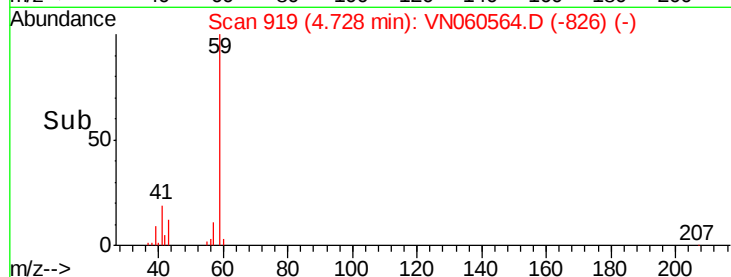
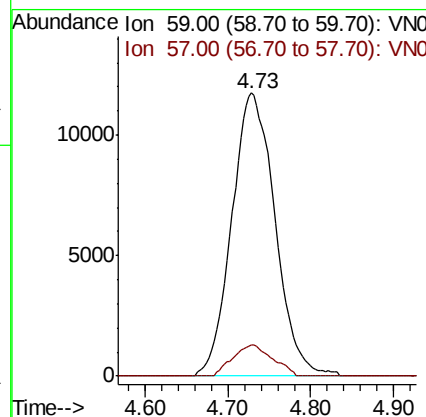
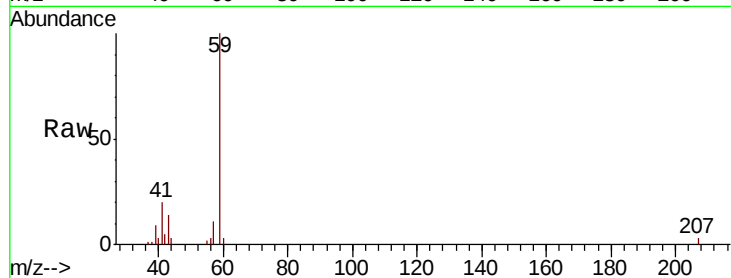


#11

Tert butyl alcohol
 Concen: 106.444 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

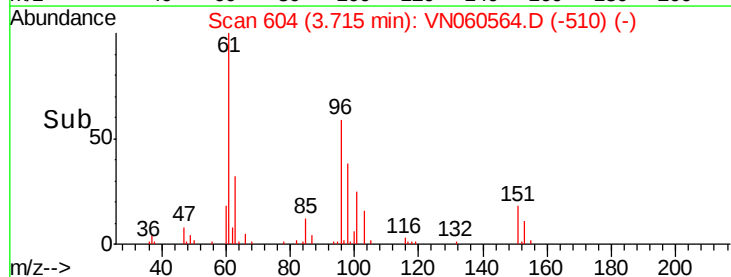
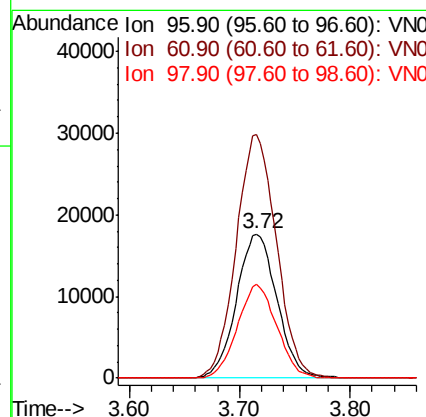
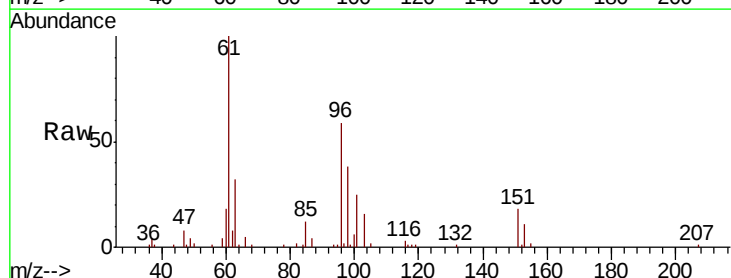
Tot Ion: 59 Resp: 42548
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

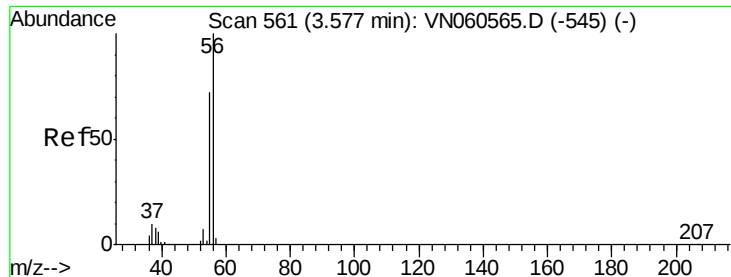


#12

1,1-Dichloroethene
 Concen: 20.087 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion: 96 Resp: 44742
 Ion Ratio Lower Upper
 96 100
 61 168.7 134.1 201.1
 98 64.6 49.9 74.9





#13

Acrolein

Concen: 120.849 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

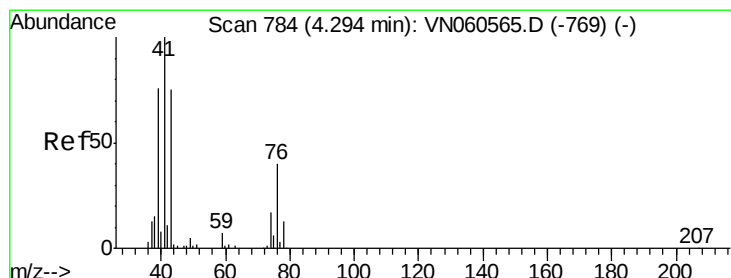
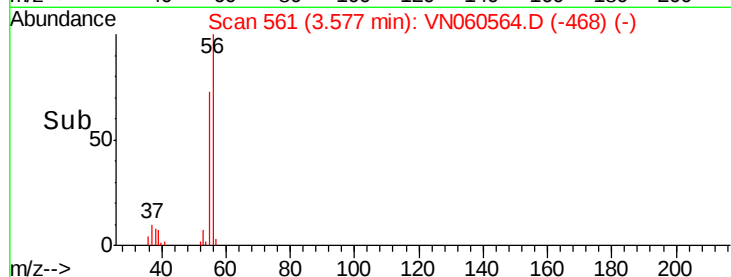
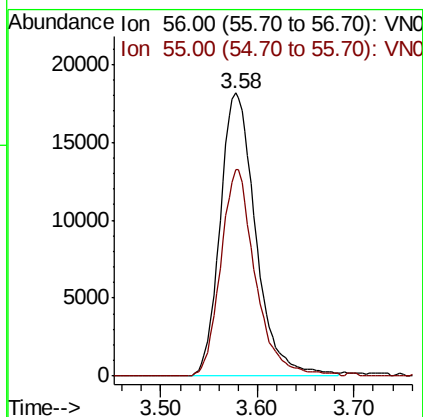
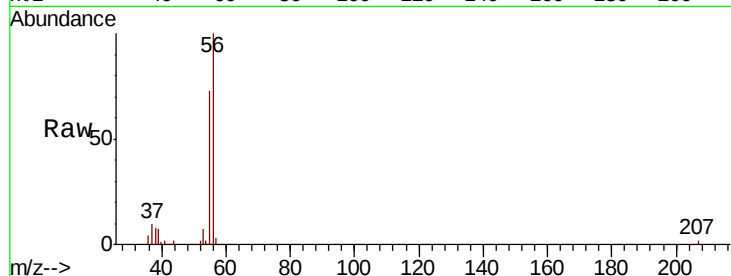
VSTDIC020

Tot Ion: 56 Resp: 46454

Ion Ratio Lower Upper

56 100

55 71.1 56.7 85.1



#14

Allyl chloride

Concen: 22.299 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

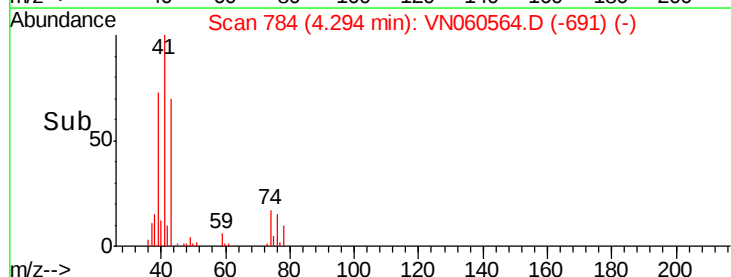
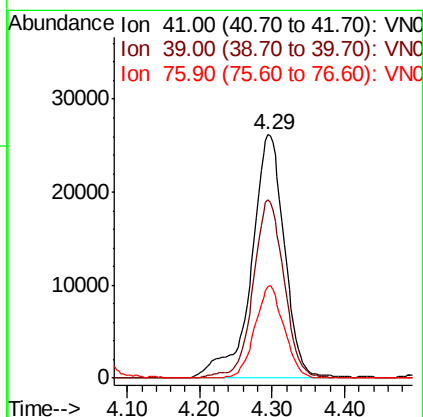
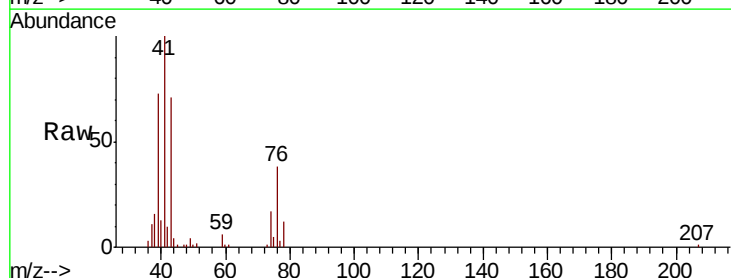
Tgt Ion: 41 Resp: 82966

Ion Ratio Lower Upper

41 100

39 68.5 57.8 86.8

76 33.3 28.6 43.0





#15

Acrylonitrile

Concen: 117.146 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

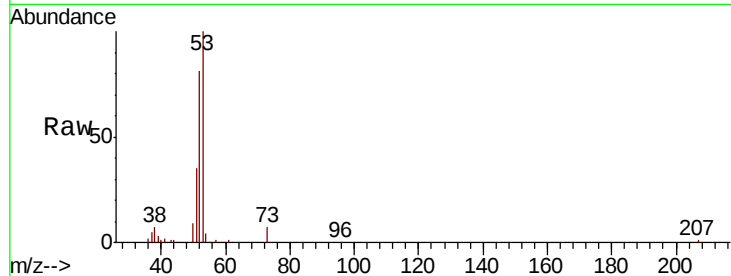
Tot Ion: 53 Resp: 126098

Ion Ratio Lower Upper

53 100

52 82.0 66.2 99.4

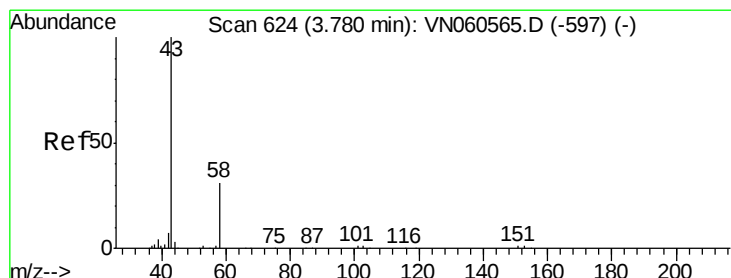
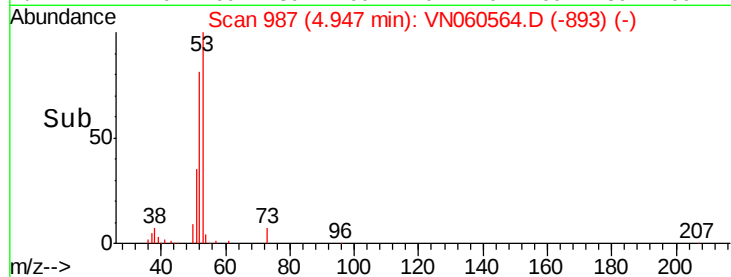
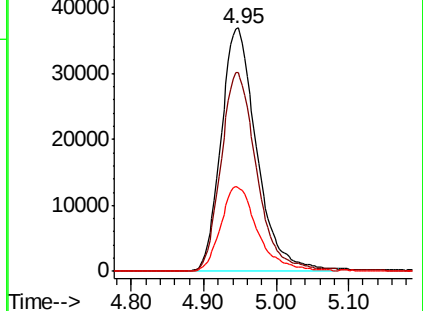
51 35.8 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060565.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060565.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060565.D (-964) (-)



#16

Acetone

Concen: 115.019 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060564.D

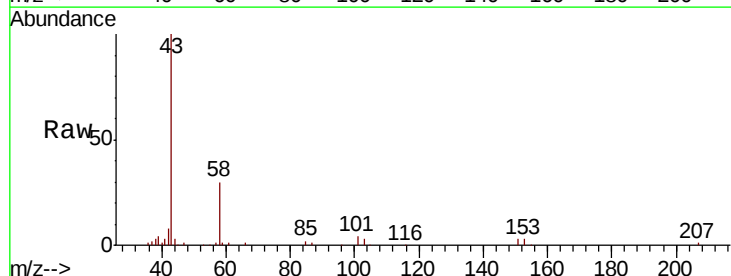
Acq: 17 Mar 2020 18:50

Tgt Ion: 43 Resp: 102374

Ion Ratio Lower Upper

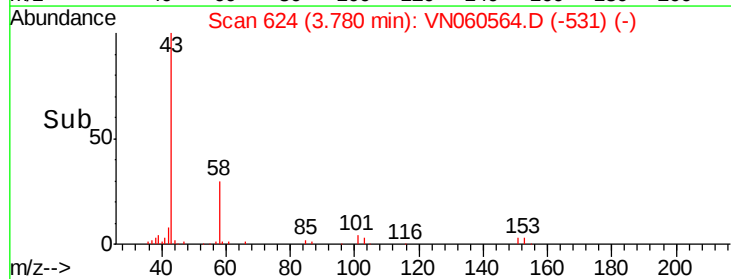
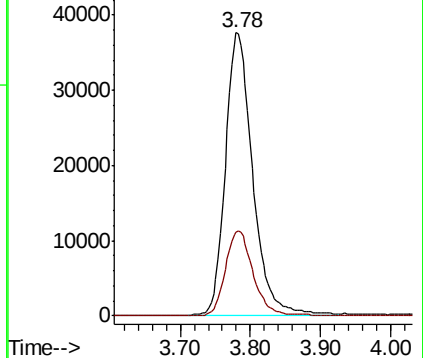
43 100

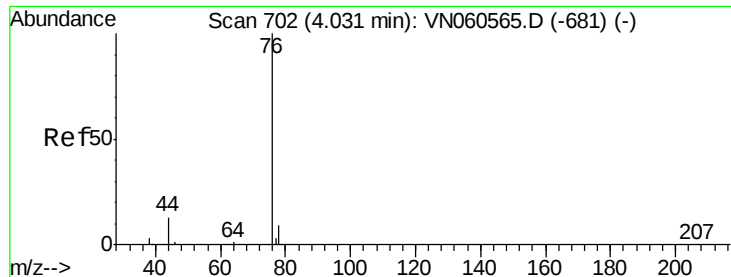
58 29.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)





#17

Carbon Disulfide

Concen: 21.072 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

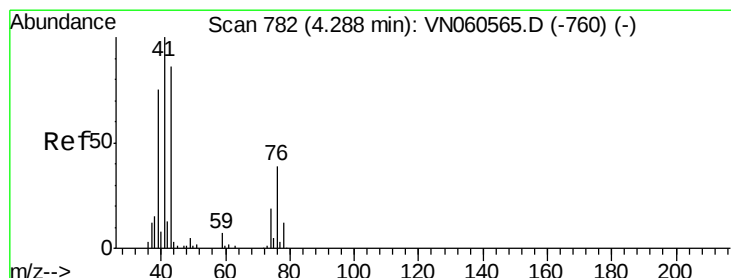
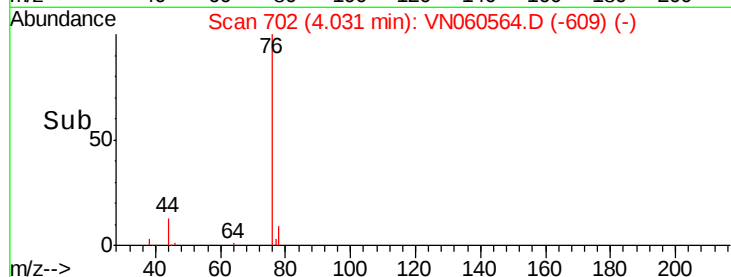
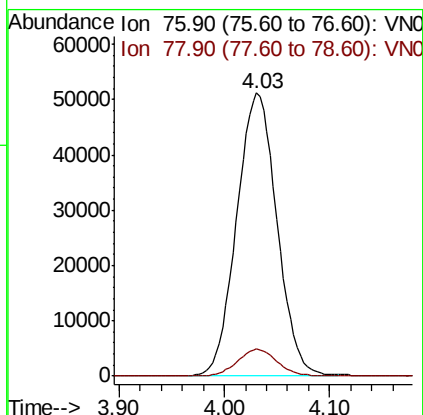
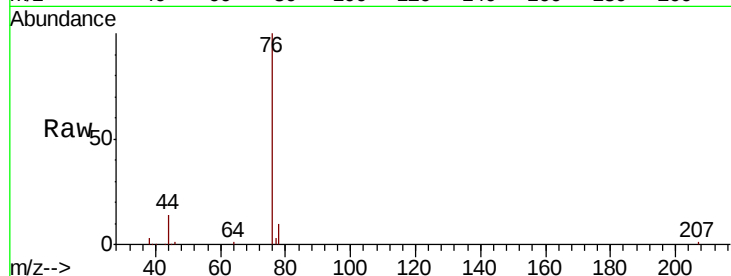
VSTDIC020

Tot Ion: 76 Resp: 135957

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



#18

Methyl Acetate

Concen: 19.152 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060564.D

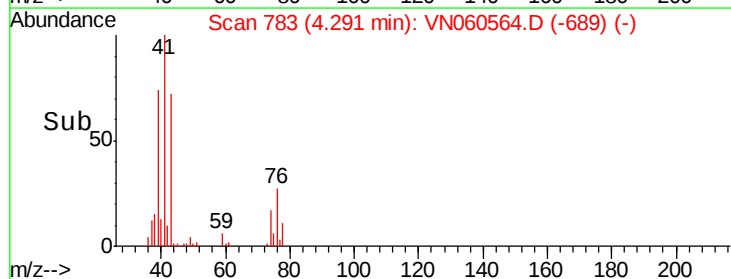
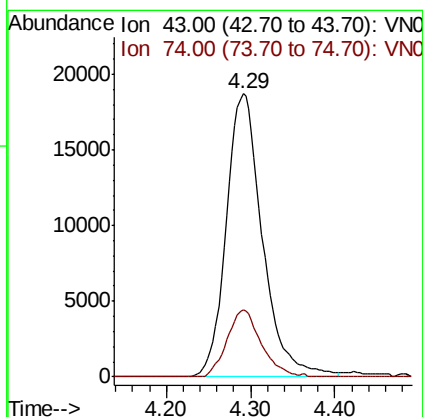
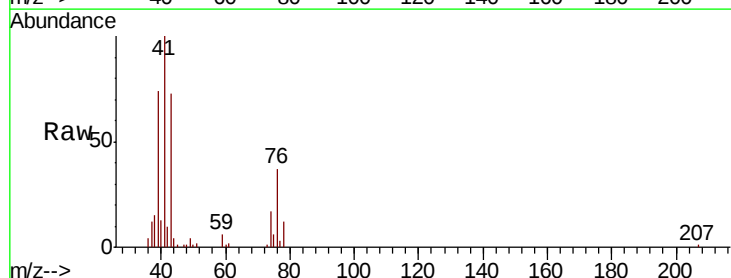
Acq: 17 Mar 2020 18:50

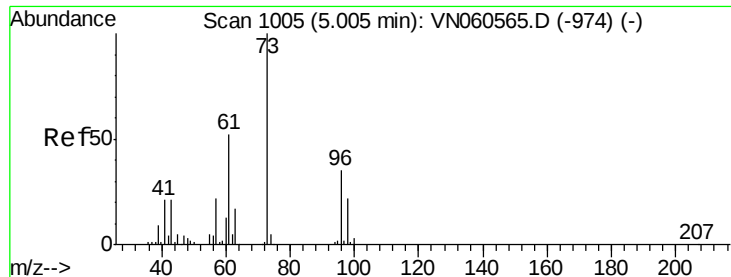
Tgt Ion: 43 Resp: 55853

Ion Ratio Lower Upper

43 100

74 22.2 17.5 26.3

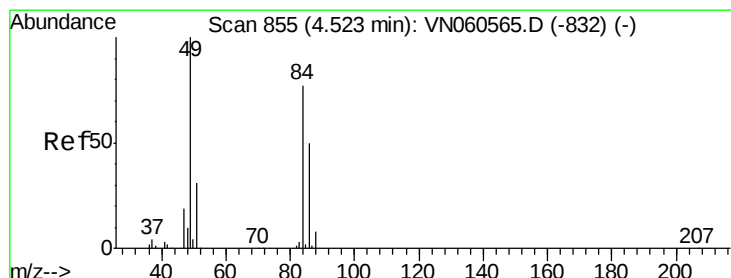
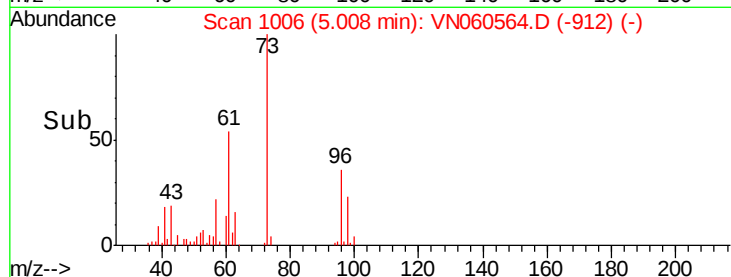
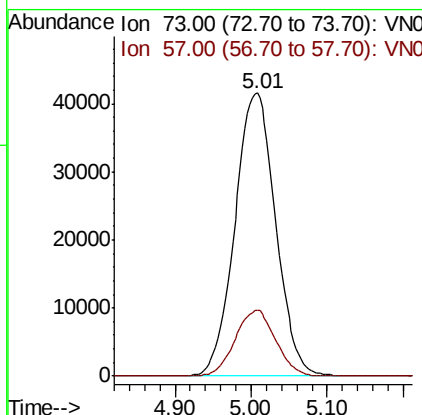
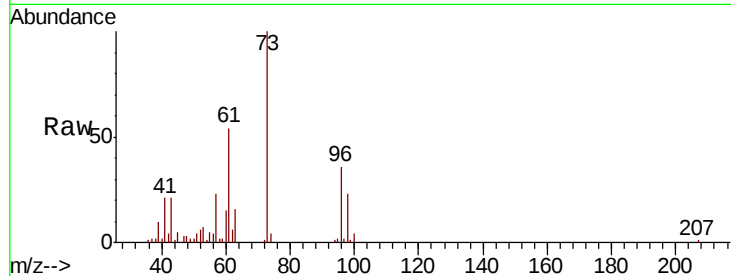




#19
Methyl tert-butyl Ether
Concen: 21.021 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

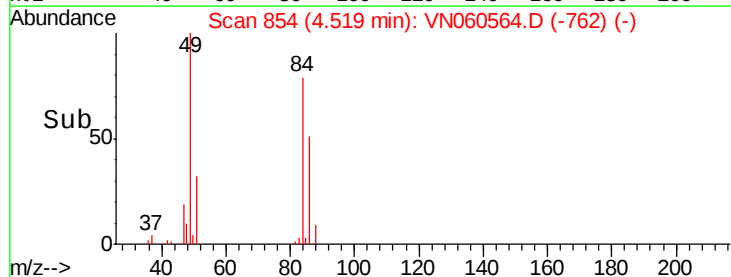
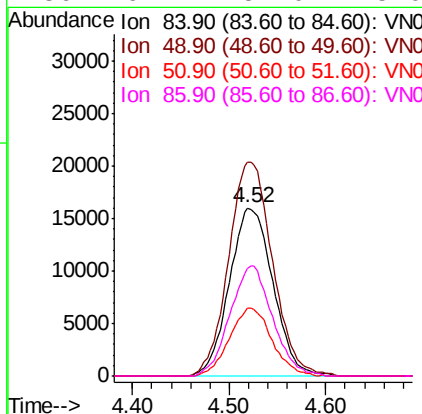
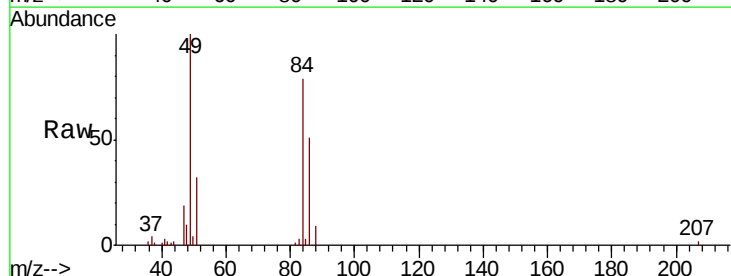
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 154765
Ion Ratio Lower Upper
73 100
57 23.4 17.5 26.3



#20
Methylene Chloride
Concen: 20.752 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion: 84 Resp: 50096
Ion Ratio Lower Upper
84 100
49 127.0 103.3 154.9
51 40.1 31.6 47.4
86 64.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.345 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

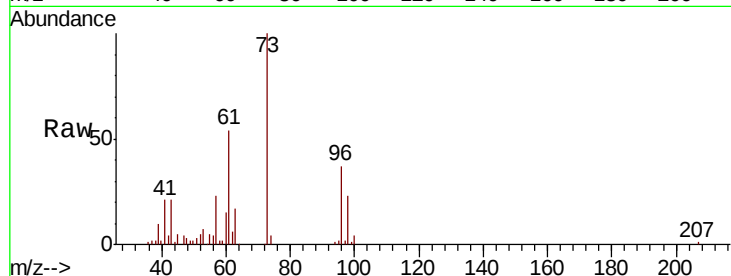
Tot Ion: 96 Resp: 48760

Ion Ratio Lower Upper

96 100

61 147.4 114.4 171.6

98 61.7 48.4 72.6

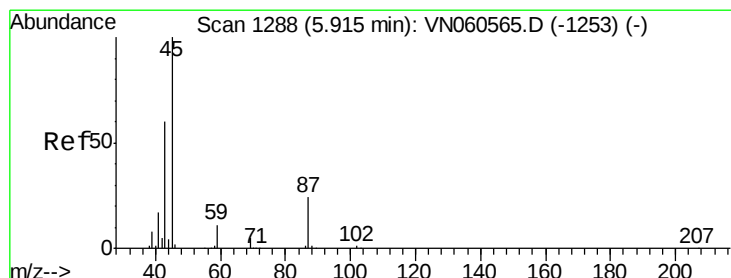
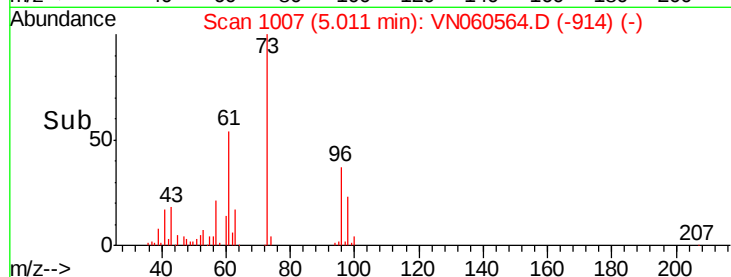
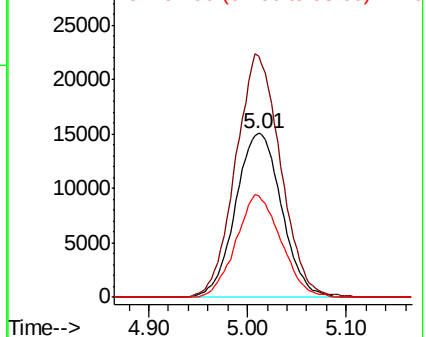


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.123 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Tgt Ion: 45 Resp: 169711

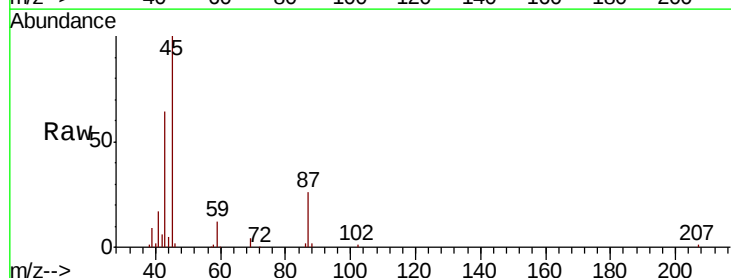
Ion Ratio Lower Upper

45 100

43 61.6 49.8 74.8

87 25.6 20.1 30.1

59 11.5 9.2 13.8



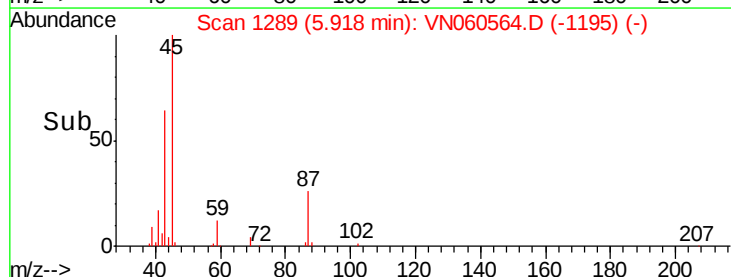
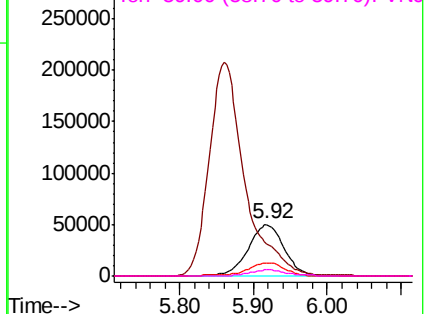
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 114.550 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

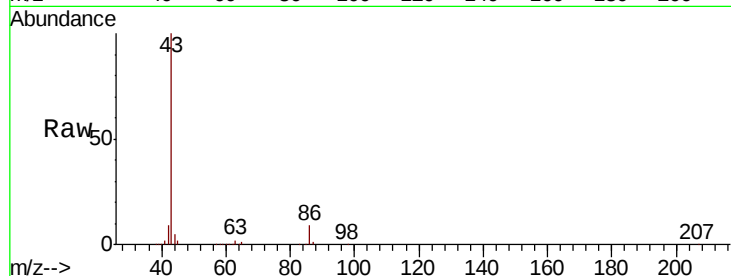
VSTDIC020

Tot Ion: 43 Resp: 699114

Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060565.D (-1246) (-)

5.86

200000

150000

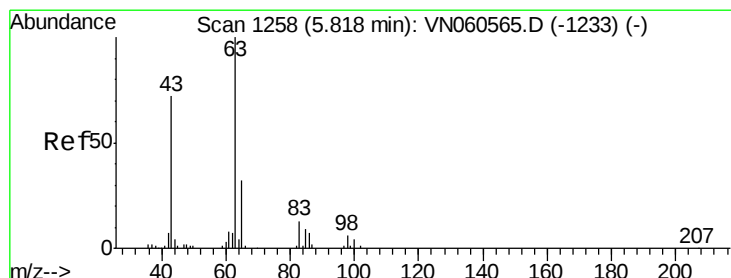
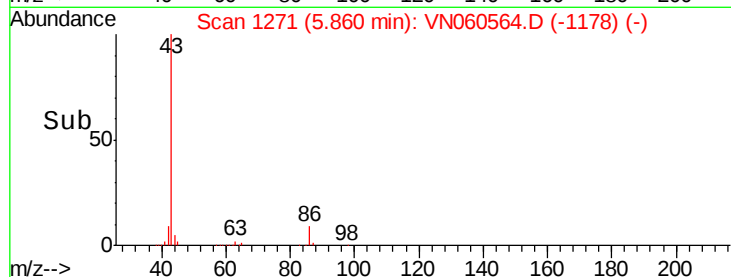
100000

50000

0

Time-->

5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 21.673 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

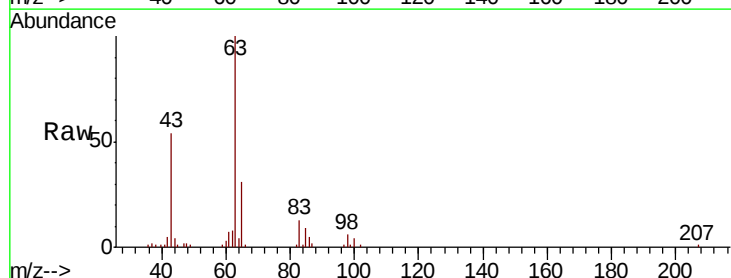
Tgt Ion: 63 Resp: 93383

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060565.D (-1233) (-)

5.82

40000

30000

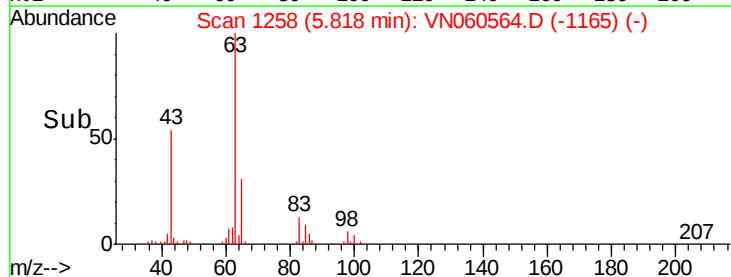
20000

10000

0

Time-->

5.70 5.80 5.90

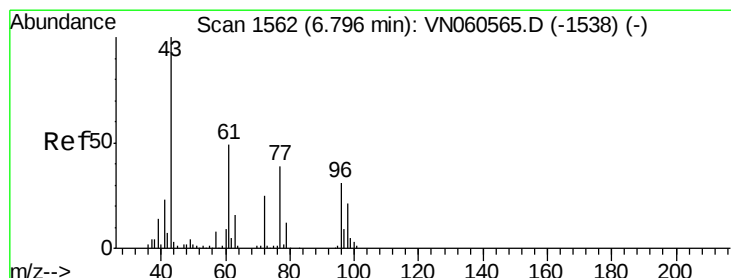
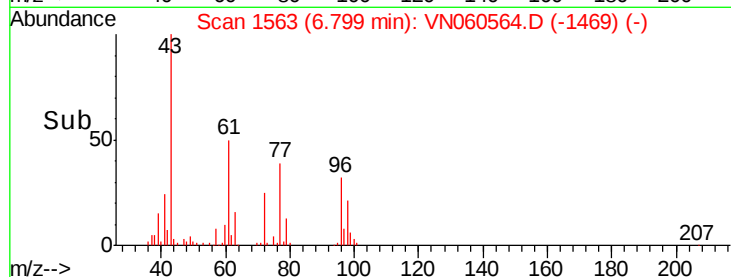
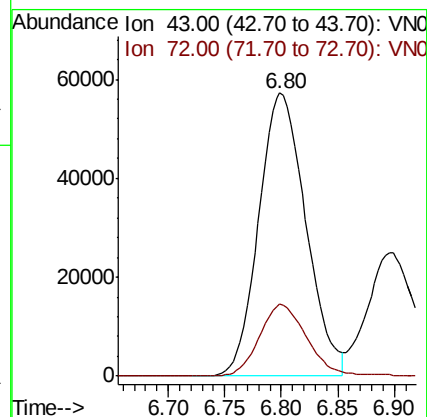
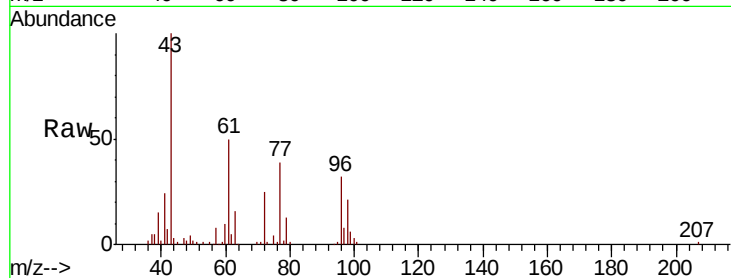




#25
2-Butanone
Concen: 115.047 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

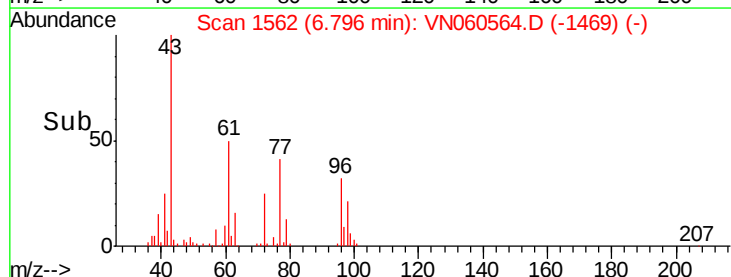
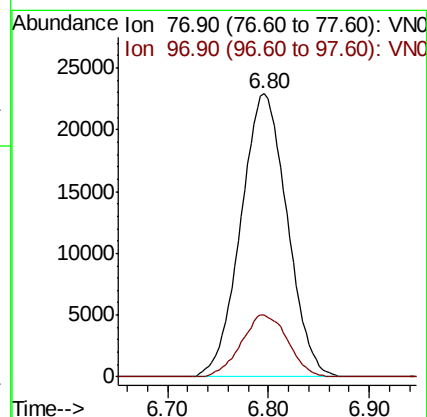
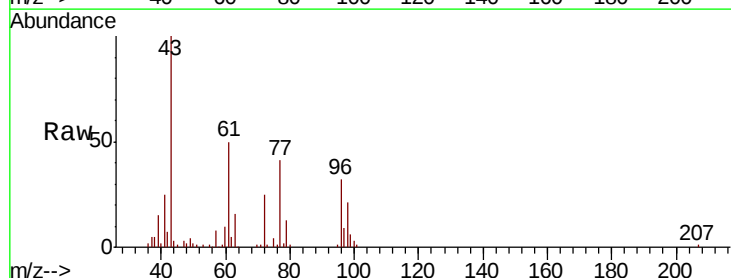
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 165349
Ion Ratio Lower Upper
43 100
72 25.3 20.4 30.6



#26
2,2-Dichloropropane
Concen: 19.115 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion: 77 Resp: 73063
Ion Ratio Lower Upper
77 100
97 22.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.846 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

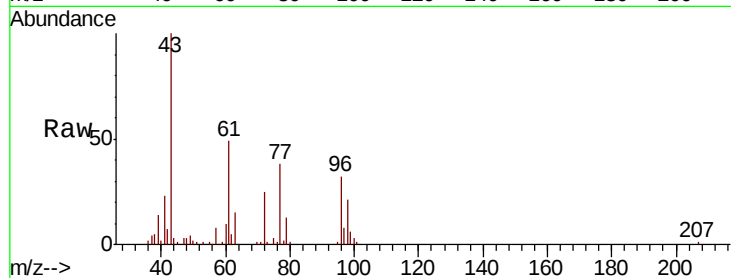
MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 55196

Ion	Ratio	Lower	Upper
96	100		
61	153.6	0.0	305.6
98	63.3	0.0	127.6

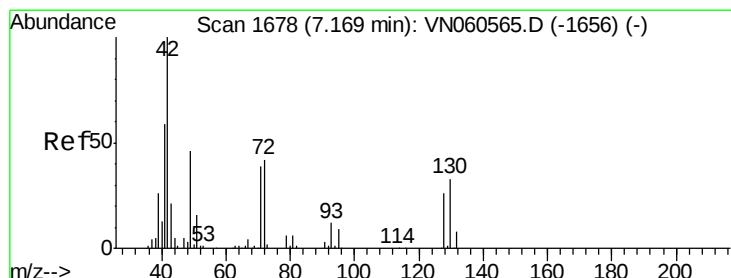
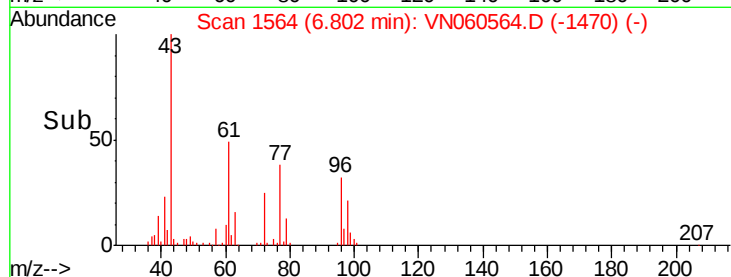
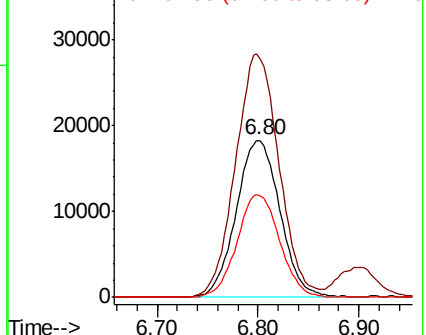


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 24.685 ug/l

RT: 7.17 min Scan# 1678

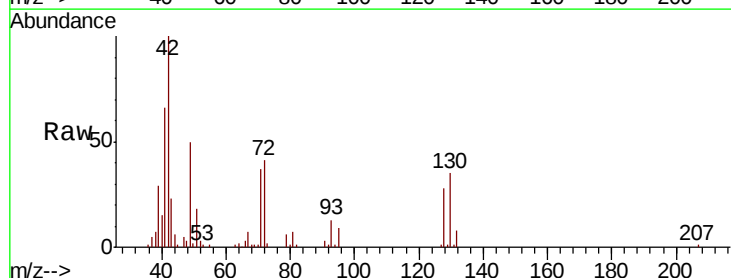
Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Tgt Ion: 49 Resp: 45455

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	69.8	55.0	82.4

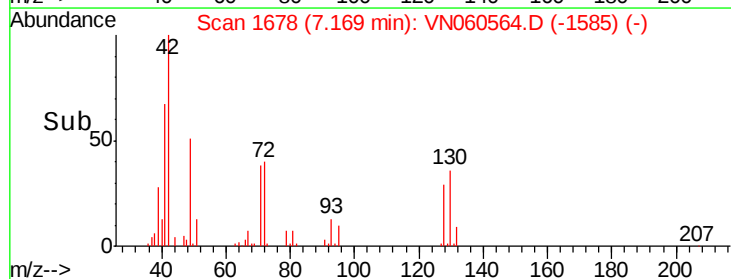
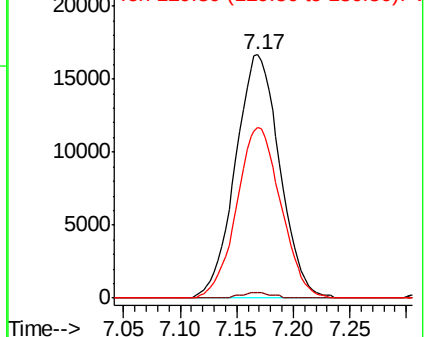


Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 117.723 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

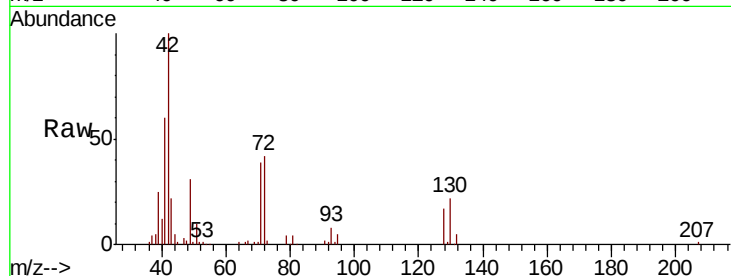
Tot Ion: 42 Resp: 118021

Ion Ratio Lower Upper

42 100

72 41.5 33.2 49.8

71 38.1 31.1 46.7

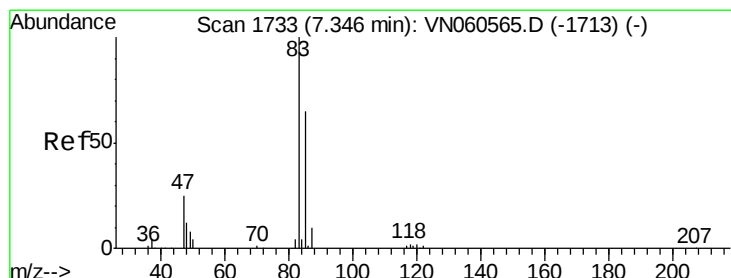
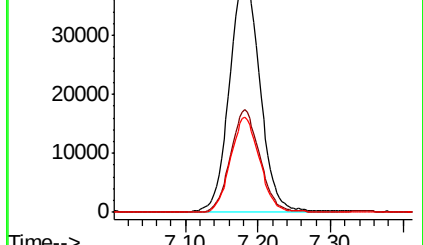
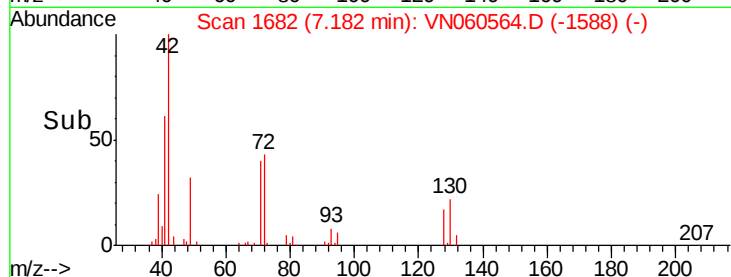


Abundance Ion 42.00 (41.70 to 42.70): VN060565.D (-1653) (-)

Ion 72.00 (71.70 to 72.70): VN060565.D (-1653) (-)

Ion 71.00 (70.70 to 71.70): VN060565.D (-1653) (-)

Time-->



#30

Chloroform

Concen: 20.652 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060564.D

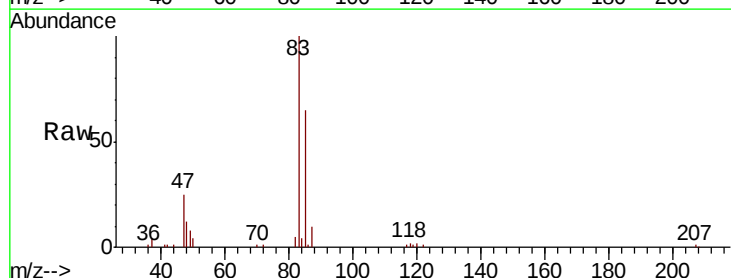
Acq: 17 Mar 2020 18:50

Tgt Ion: 83 Resp: 87955

Ion Ratio Lower Upper

83 100

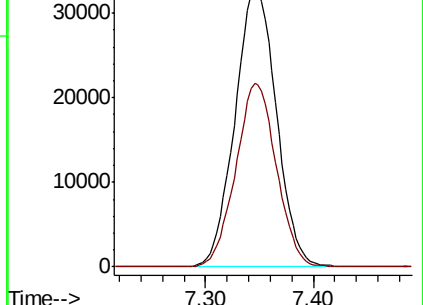
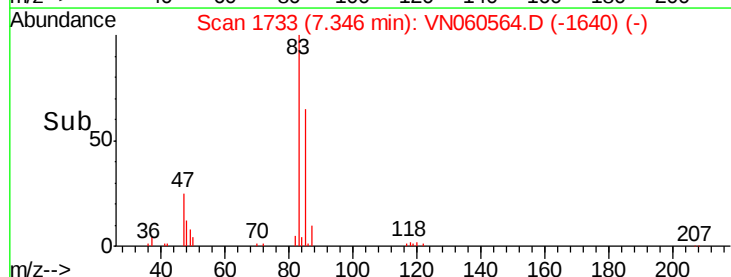
85 64.7 51.8 77.8

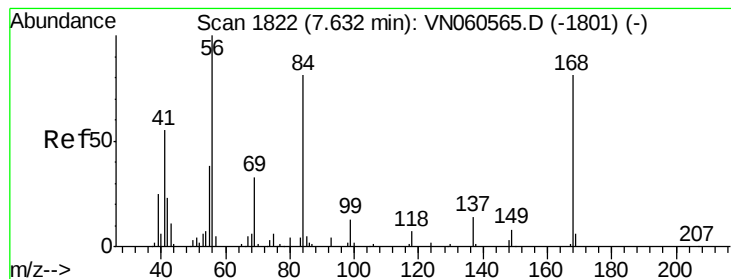


Abundance Ion 82.90 (82.60 to 83.60): VN060565.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN060565.D (-1713) (-)

Time-->





#31

Cyclohexane

Concen: 22.077 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

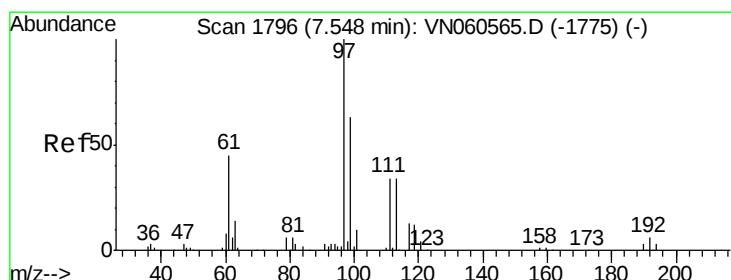
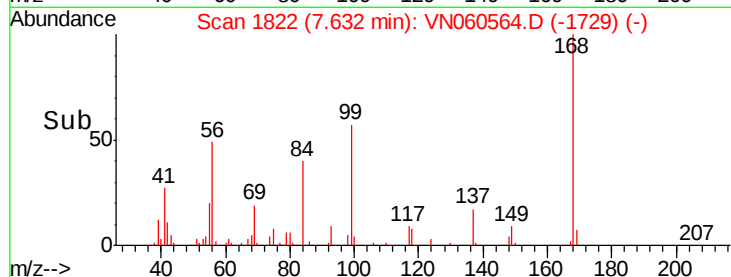
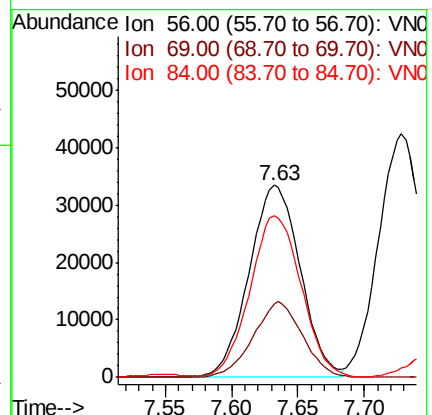
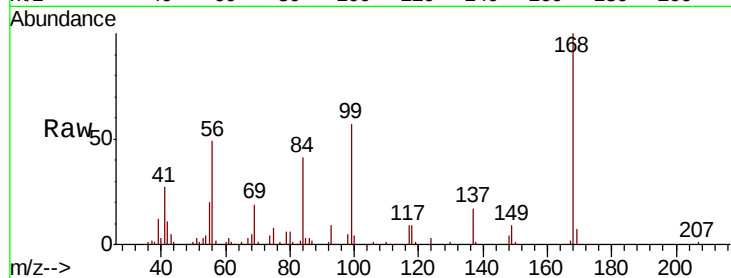
Tot Ion: 56 Resp: 90112

Ion Ratio Lower Upper

56 100

69 38.3 26.6 40.0

84 83.3 64.3 96.5



#32

1,1,1-Trichloroethane

Concen: 20.681 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

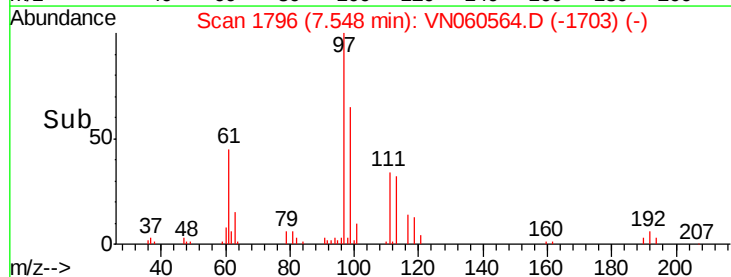
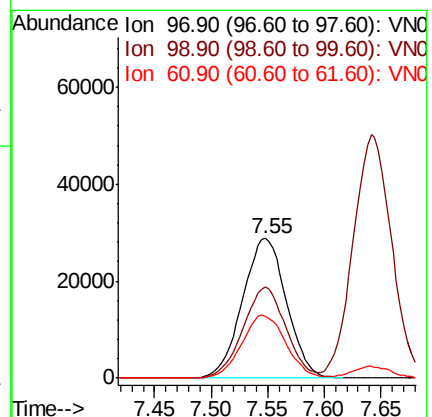
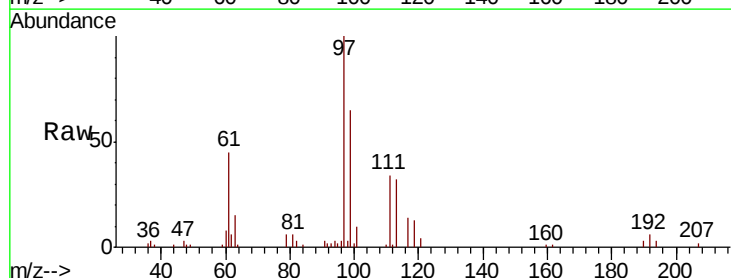
Tgt Ion: 97 Resp: 77918

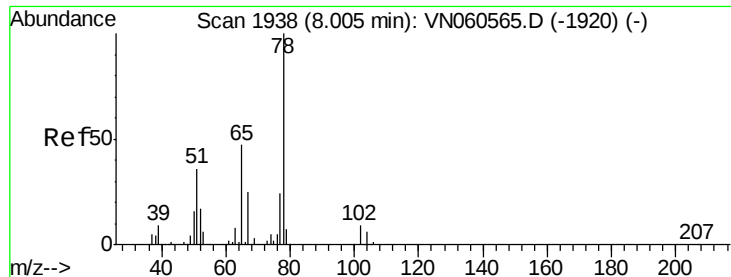
Ion Ratio Lower Upper

97 100

99 63.2 50.6 75.8

61 45.3 36.2 54.4

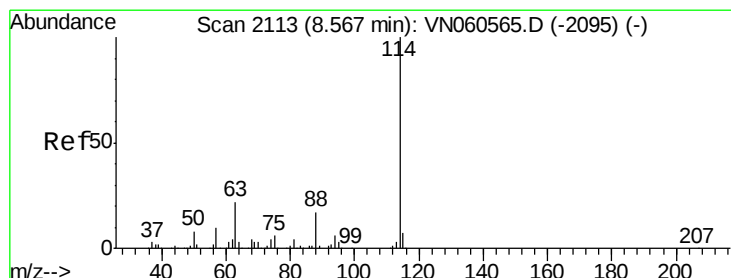
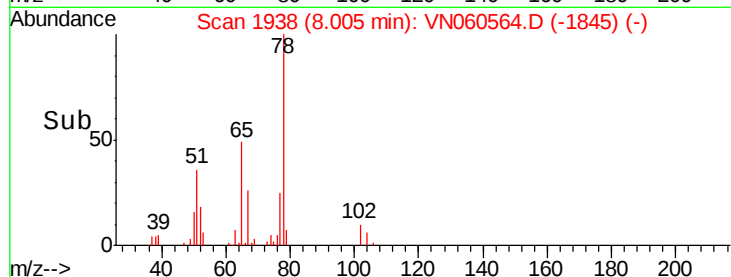
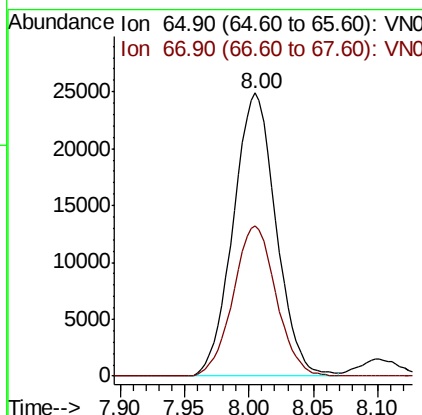
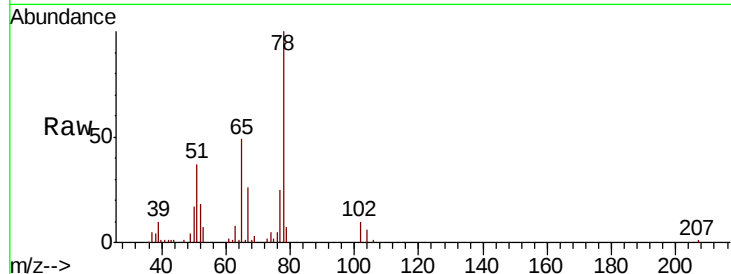




#33
 1,2-Dichloroethane-d4
 Concen: 20.994 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

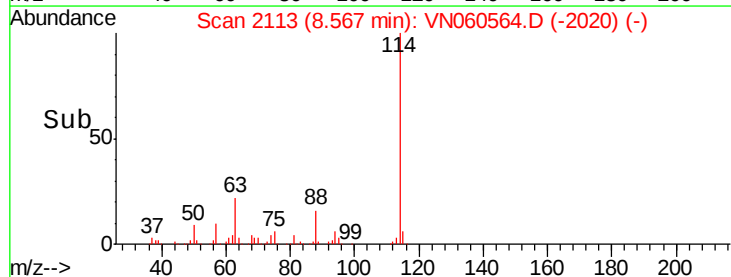
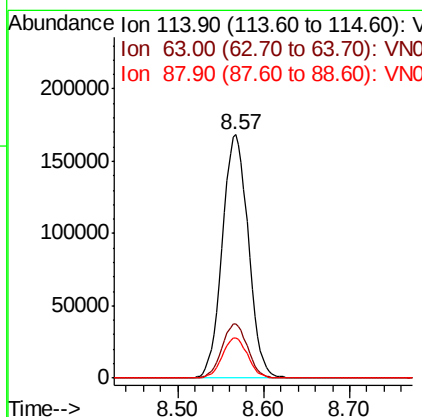
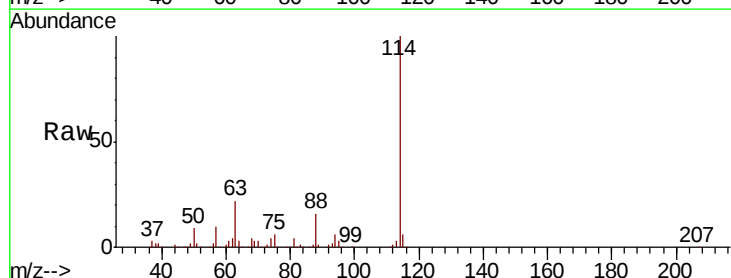
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

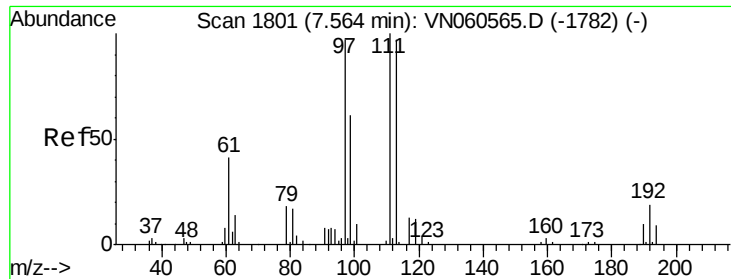
Tot Ion: 65 Resp: 57476
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion: 114 Resp: 354729
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.3 0.0 33.0

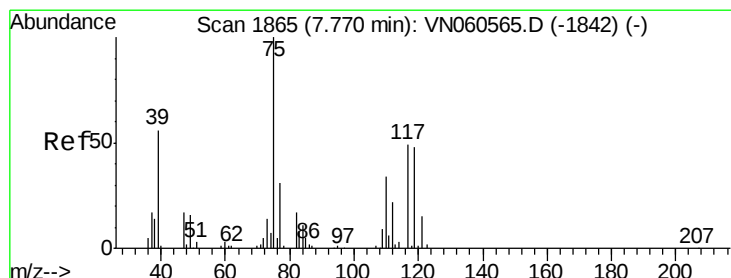
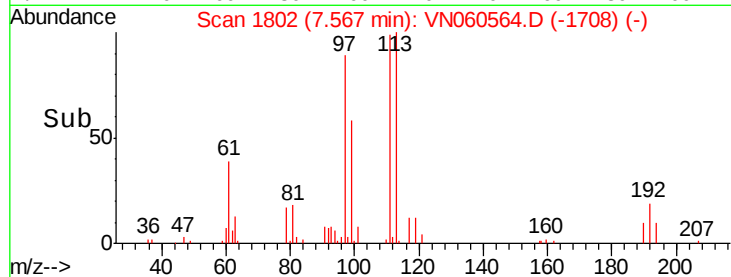
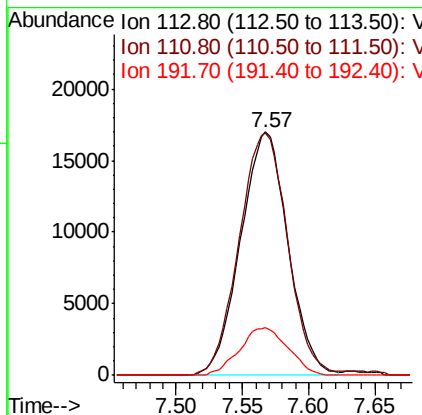
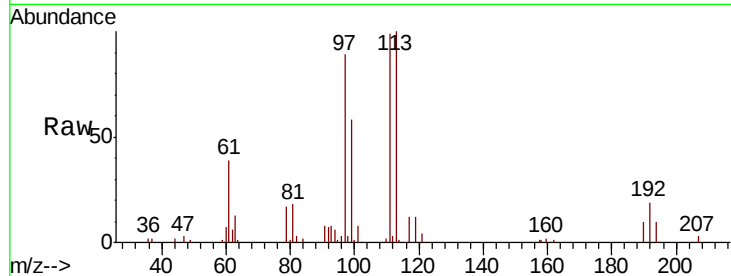




#35
 Dibromofluoromethane
 Concen: 24.090 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

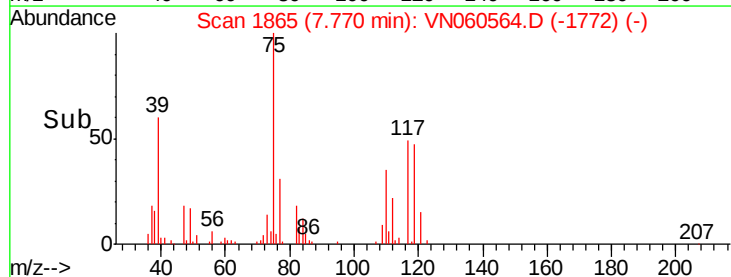
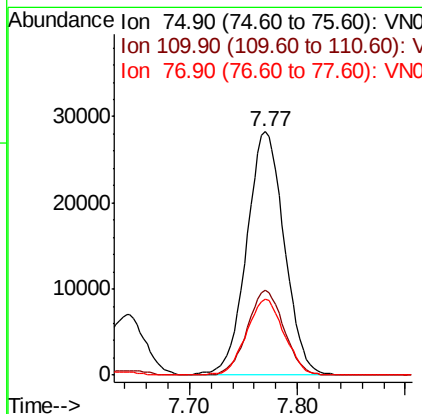
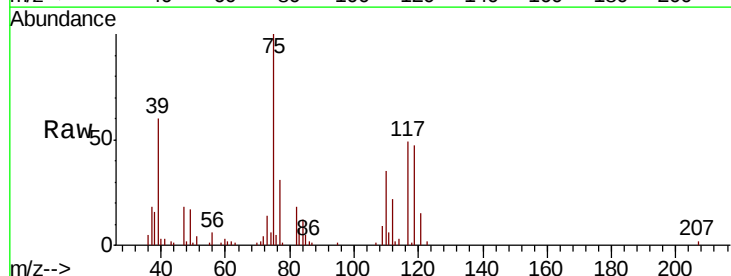
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

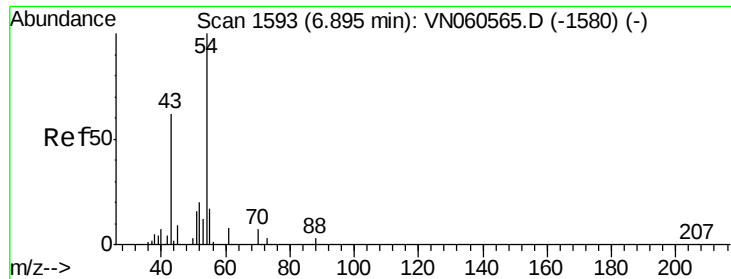
Tot Ion:113 Resp: 42358
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.9 124.3
 192 20.1 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 19.890 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion: 75 Resp: 68435
 Ion Ratio Lower Upper
 75 100
 110 33.9 16.9 50.6
 77 31.3 24.6 36.8

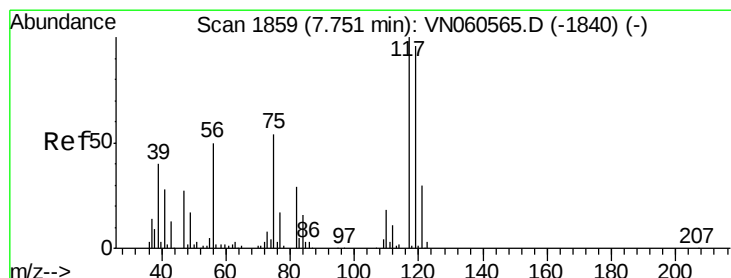
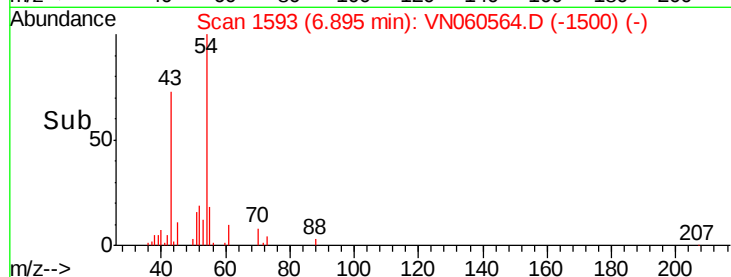
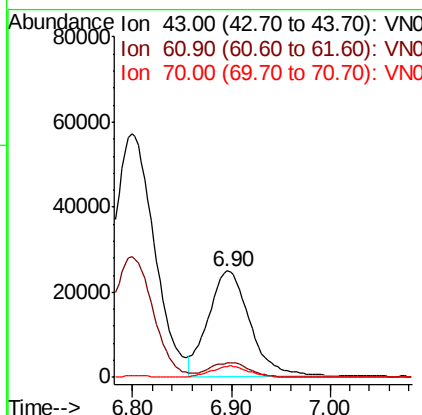
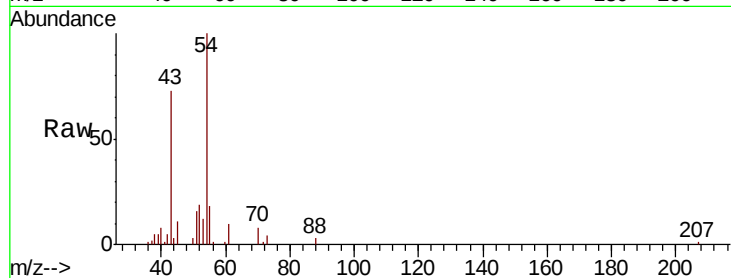




#37
Ethyl Acetate
Concen: 22.201 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

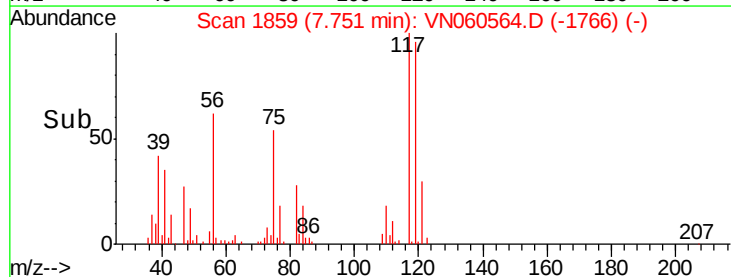
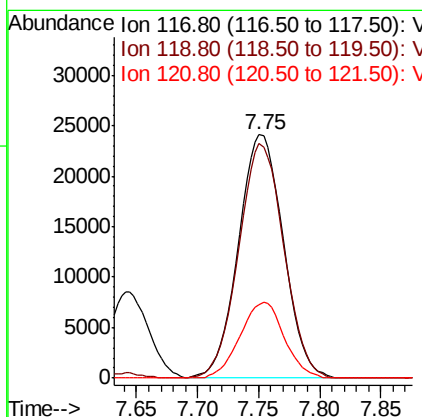
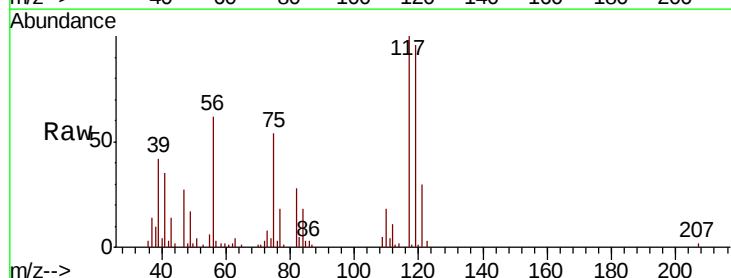
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

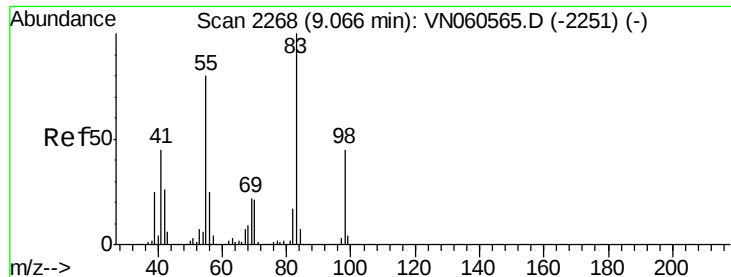
Tot Ion: 43 Resp: 72777
Ion Ratio Lower Upper
43 100
61 13.6 10.6 15.8
70 9.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 18.743 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion: 117 Resp: 61619
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.2
121 30.2 23.7 35.5

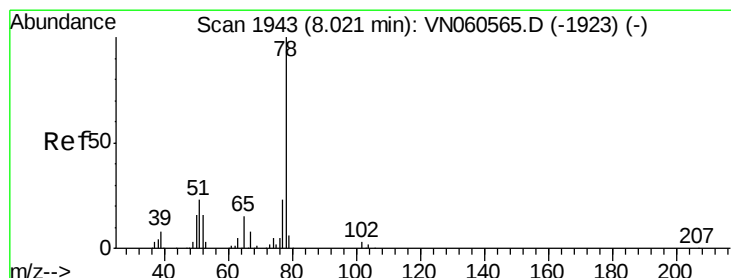
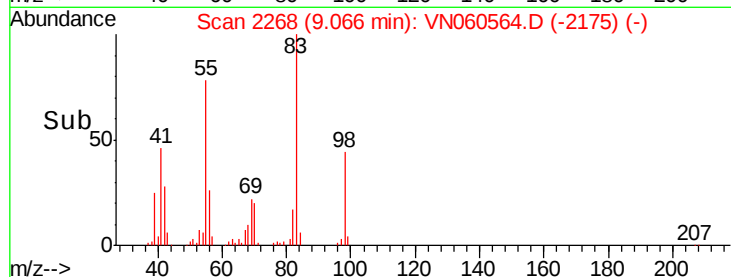
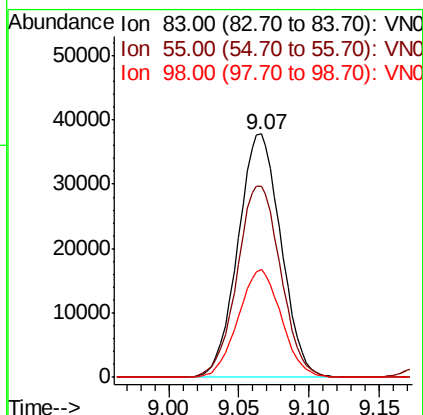
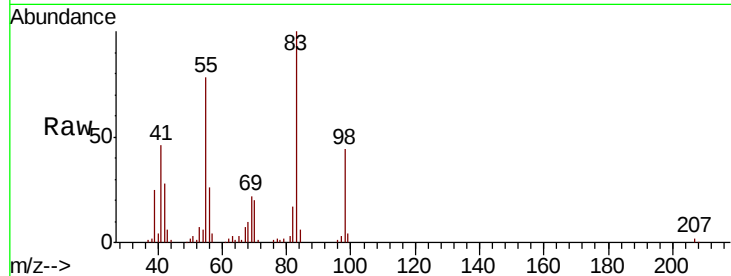




#39
Methvlcvclohexane
Concen: 19.891 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

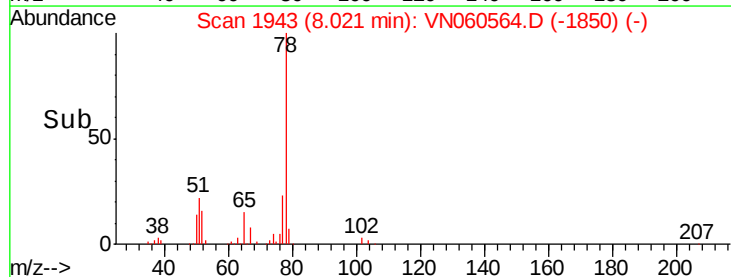
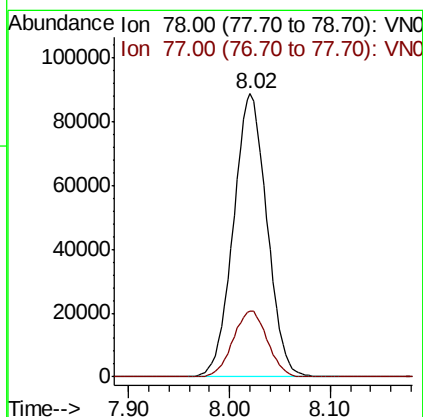
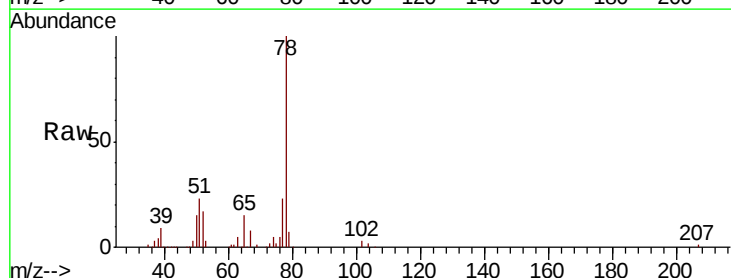
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

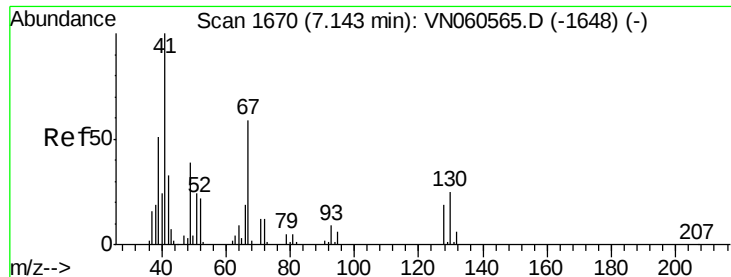
Tot Ion: 83 Resp: 80624
Ion Ratio Lower Upper
83 100
55 78.5 63.6 95.4
98 44.3 36.0 54.0



#40
Benzene
Concen: 20.446 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion: 78 Resp: 204409
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0

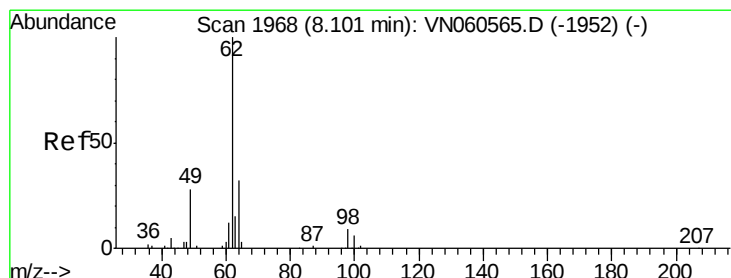
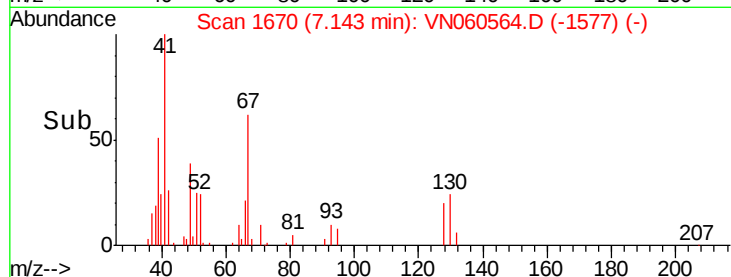
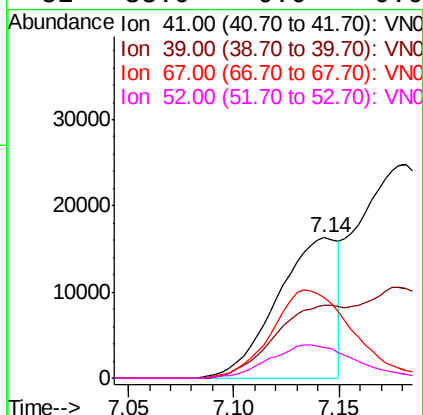
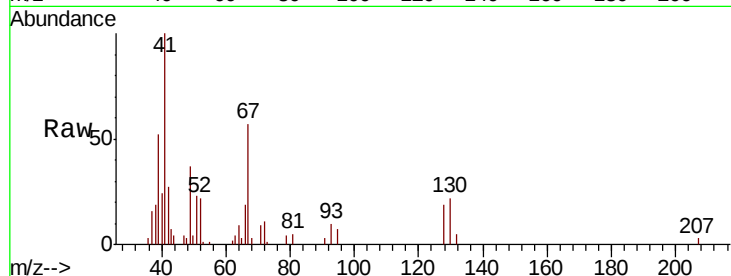




#41
Methacrylonitrile
Concen: 21.938 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

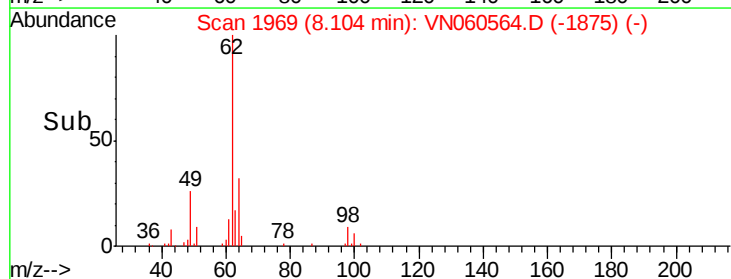
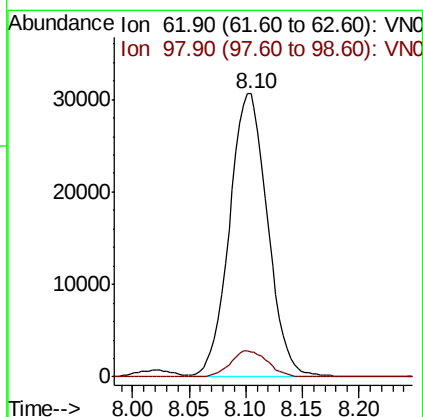
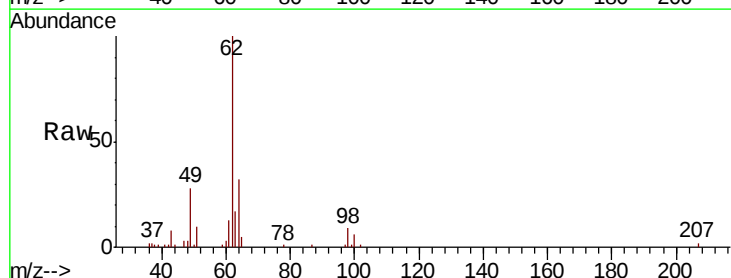
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

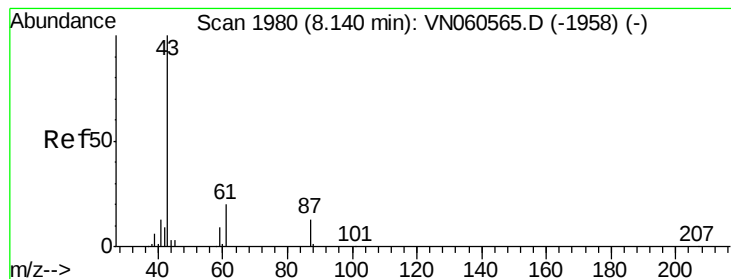
Tot Ion:	41	Resp:	32720
Ion	Ratio	Lower	Upper
41	100		
39	58.4	0.0	0.0#
67	84.3	0.0	0.0#
52	33.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 20.113 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion:	62	Resp:	71743
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8





#43

Isopropyl Acetate

Concen: 21.480 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

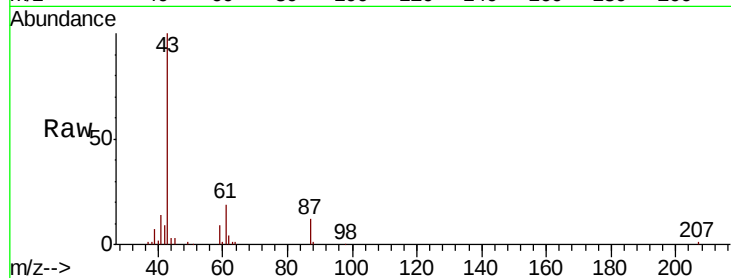
Tot Ion: 43 Resp: 122581

Ion Ratio Lower Upper

43 100

61 25.7 20.7 31.1

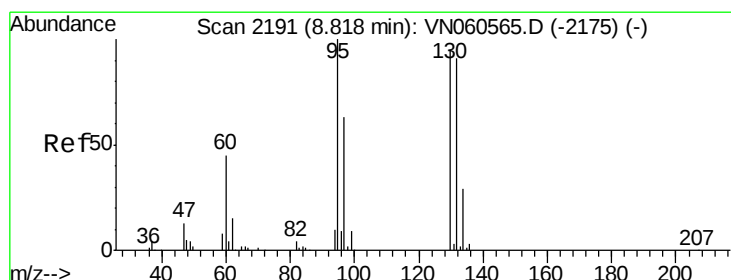
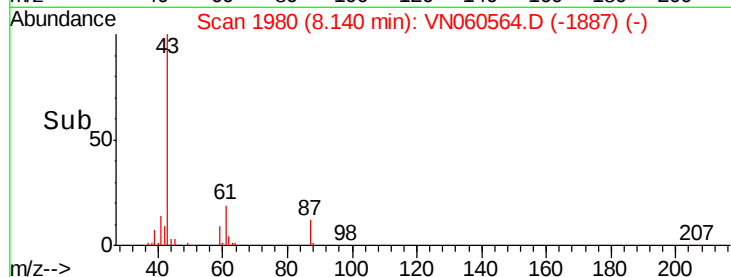
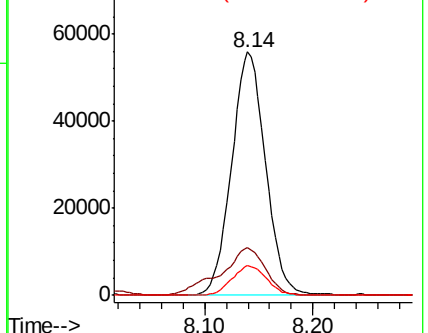
87 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#44

Trichloroethene

Concen: 19.068 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060564.D

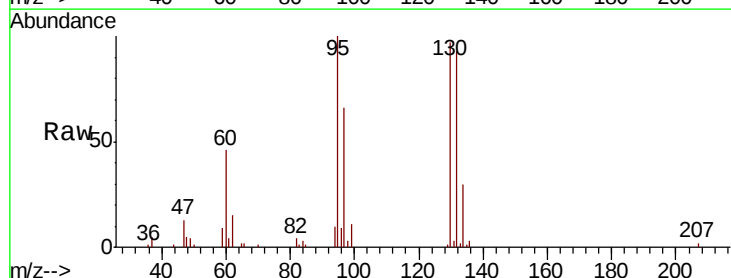
Acq: 17 Mar 2020 18:50

Tgt Ion:130 Resp: 52485

Ion Ratio Lower Upper

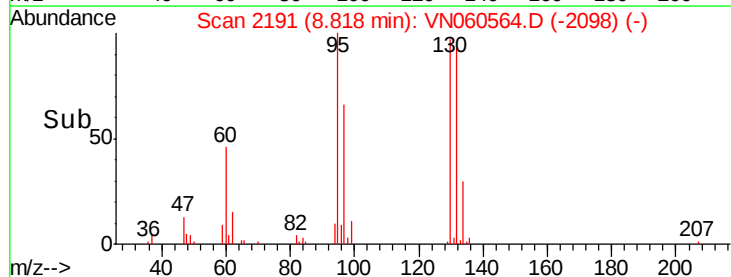
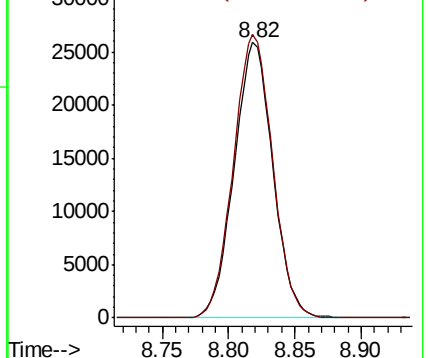
130 100

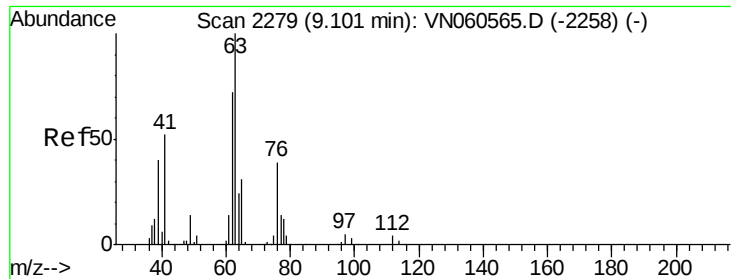
95 102.8 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060565.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060565.D (-2175) (-)

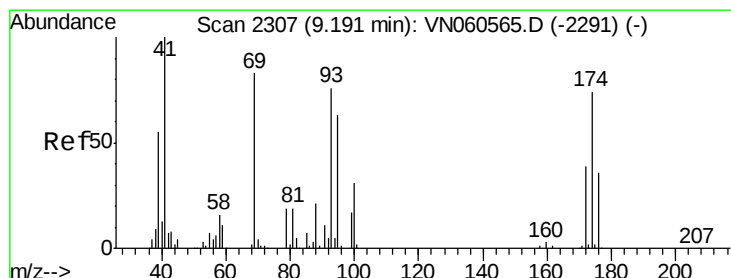
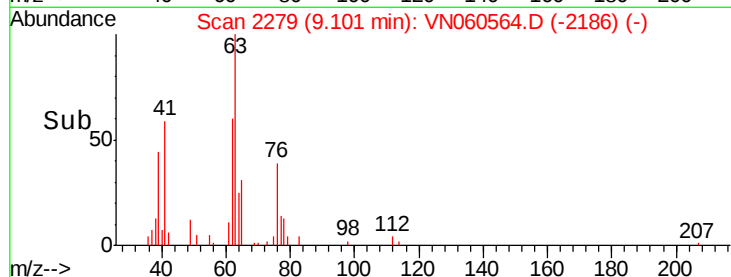
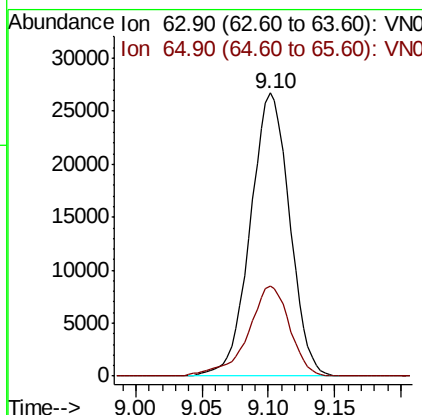
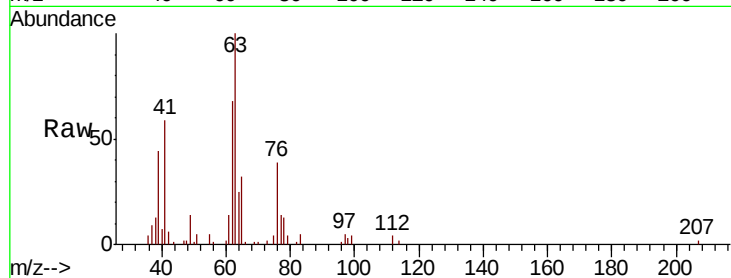




#45
 1,2-Dichloropropane
 Concen: 21.114 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

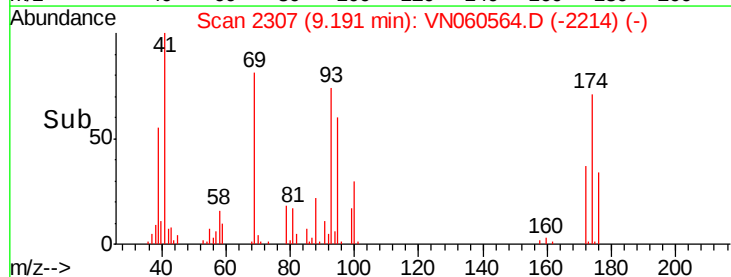
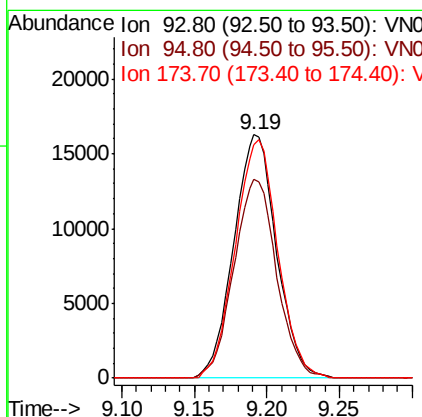
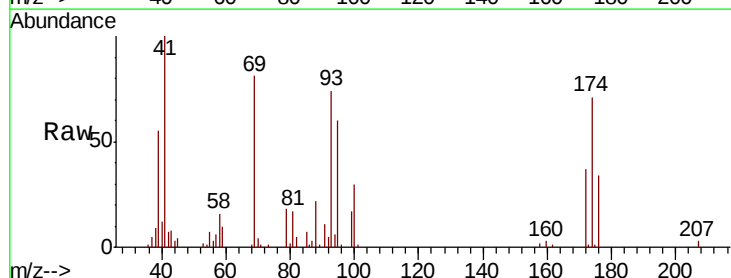
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 55107
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.4 38.0



#46
 Dibromomethane
 Concen: 19.880 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion: 93 Resp: 33403
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.4
 174 97.1 77.9 116.9





#47

Bromodichloromethane

Concen: 19.924 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

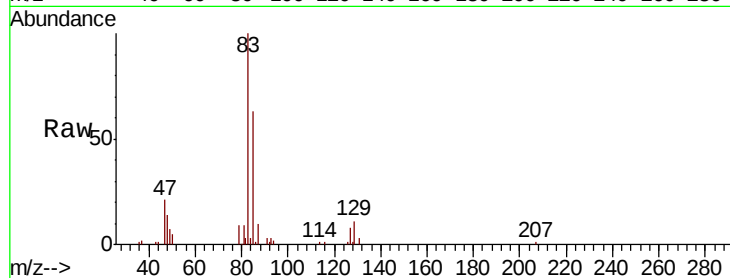
Tot Ion: 83 Resp: 68047

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.6

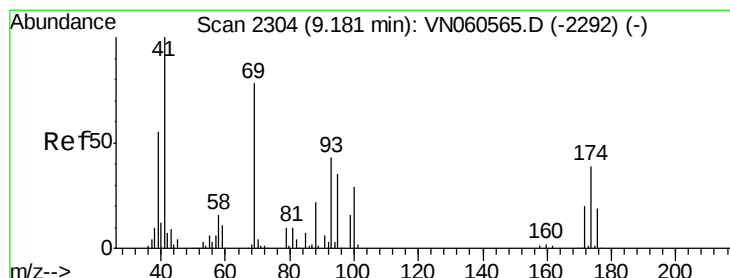
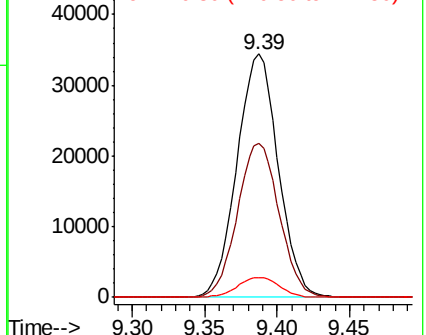
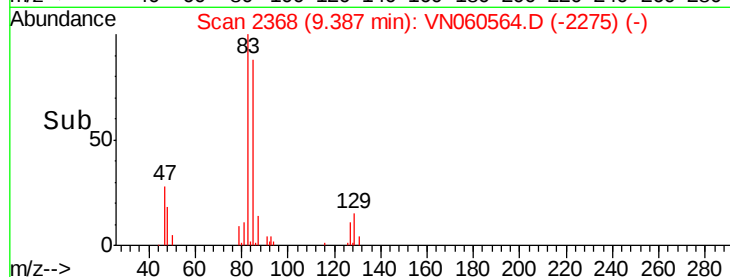
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060564.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060564.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060564.D (-2275) (-)



#48

Methyl methacrylate

Concen: 20.074 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

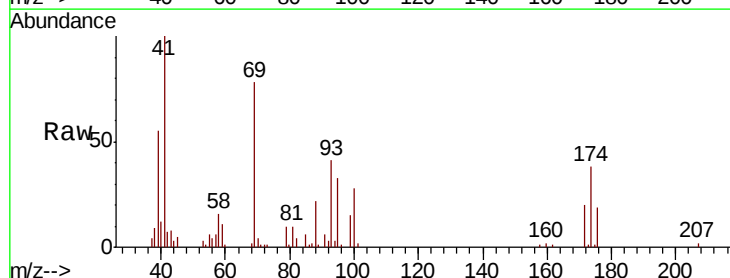
Tgt Ion: 41 Resp: 52173

Ion Ratio Lower Upper

41 100

69 84.2 65.4 98.0

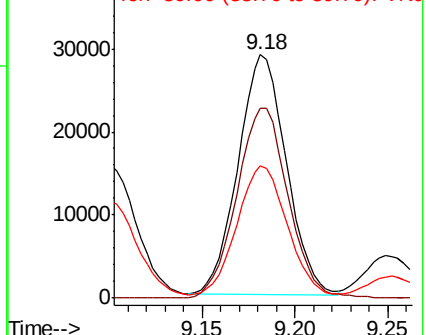
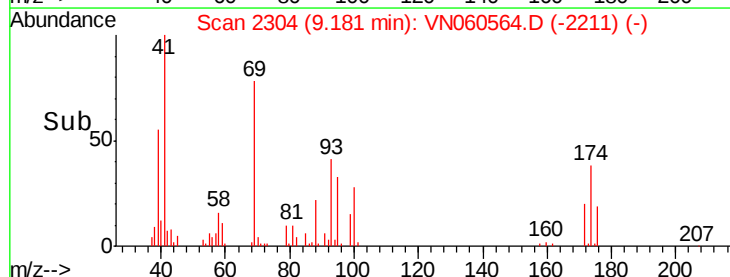
39 55.8 44.0 66.0

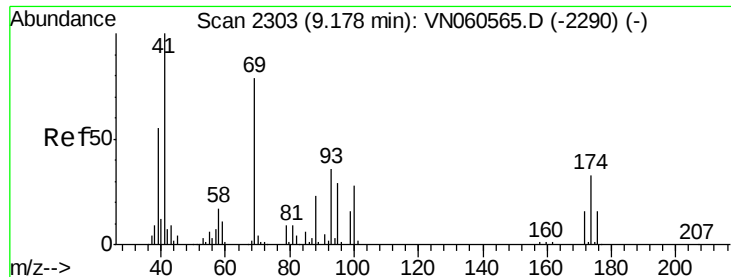


Abundance Ion 41.00 (40.70 to 41.70): VN060564.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060564.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060564.D (-2211) (-)

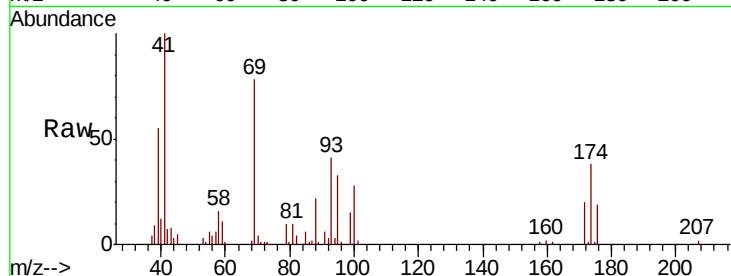




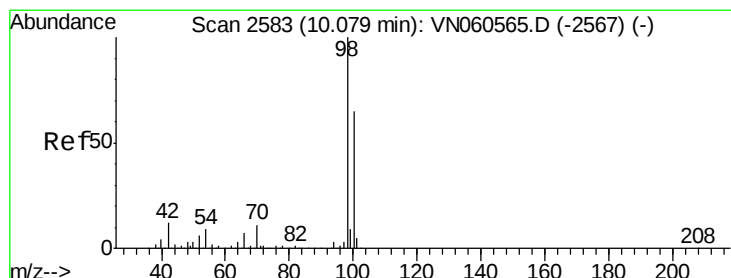
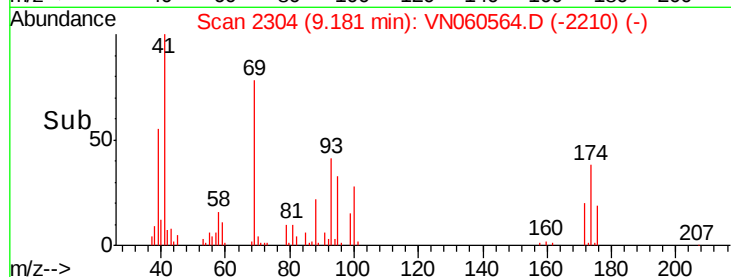
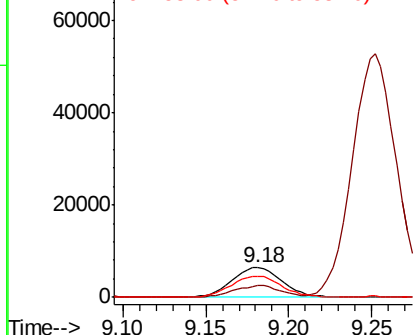
#49
1,4-Dioxane
Concen: 370.716 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 13358
Ion Ratio Lower Upper
88 100
43 38.0 30.8 46.2
58 73.2 59.8 89.8

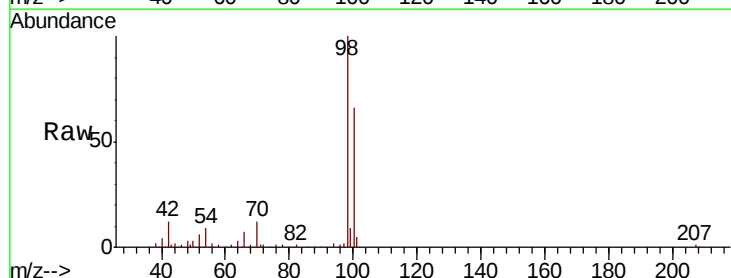


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

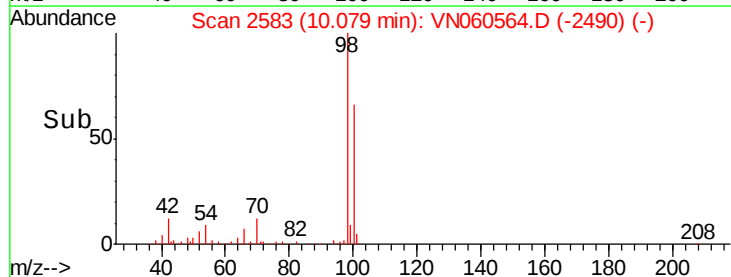
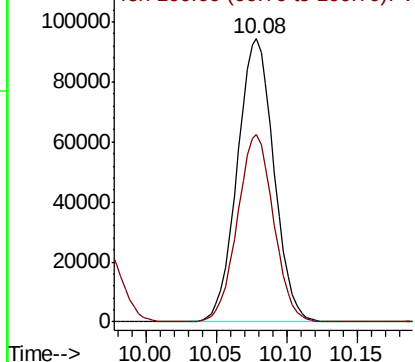


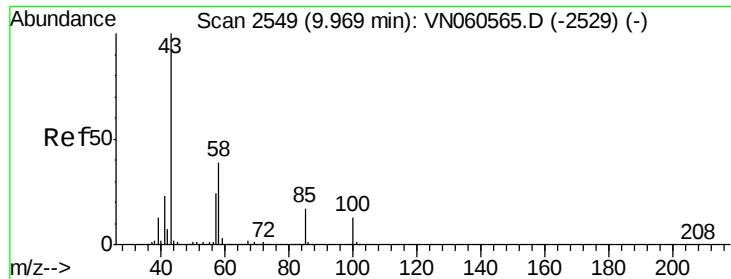
#50
Toluene-d8
Concen: 20.053 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion: 98 Resp: 171479
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 108.876 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

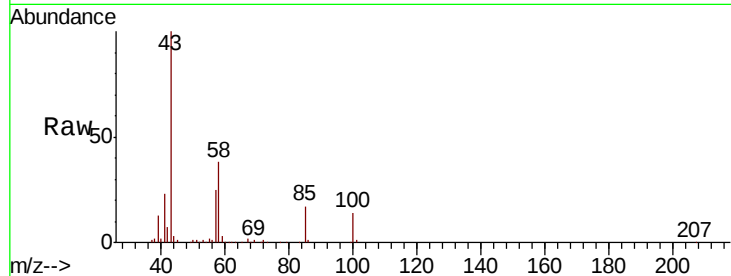
VSTDIC020

Tot Ion: 43 Resp: 352997

Ion Ratio Lower Upper

43 100

58 38.4 30.8 46.2



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

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

9.97

200000

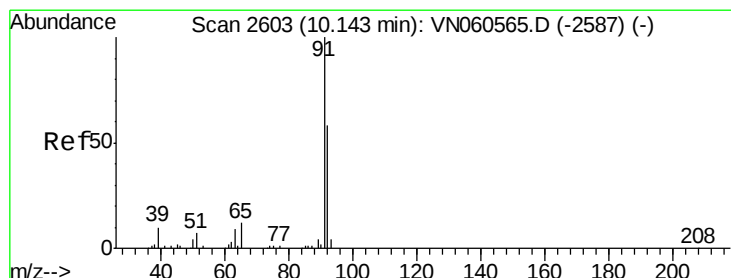
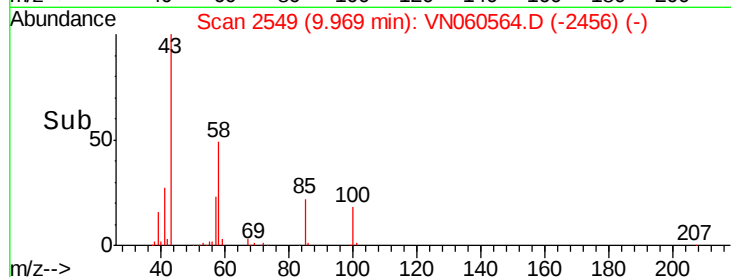
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.988 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060564.D

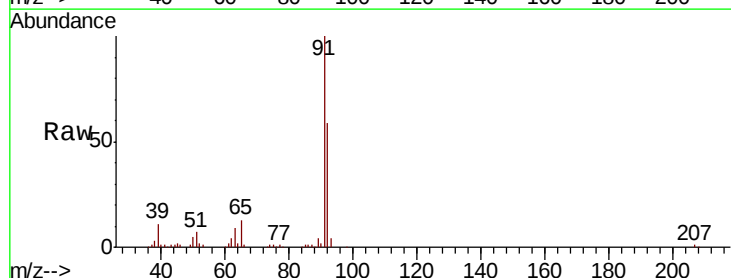
Acq: 17 Mar 2020 18:50

Tgt Ion: 92 Resp: 124812

Ion Ratio Lower Upper

92 100

91 171.6 137.6 206.4



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

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

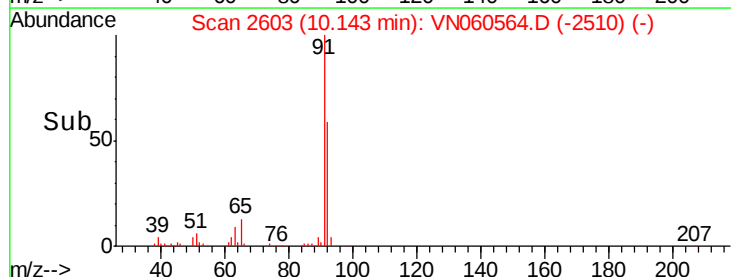
10.14

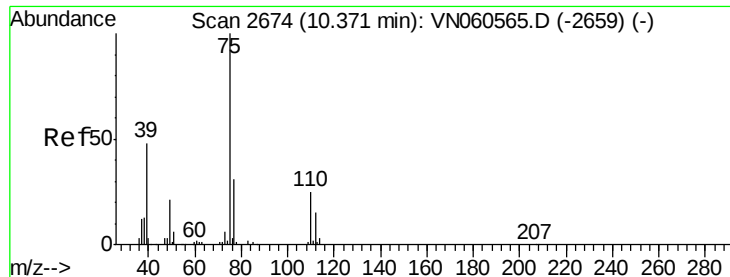
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.591 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

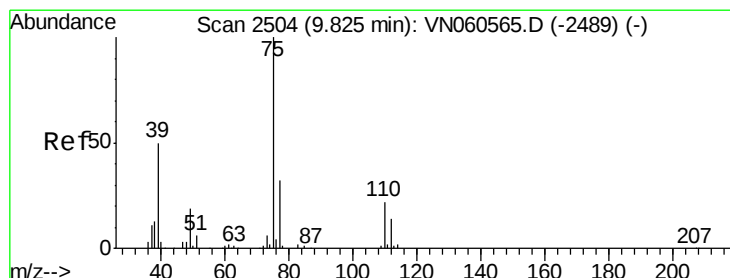
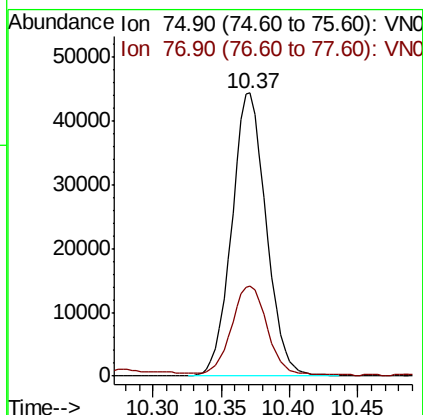
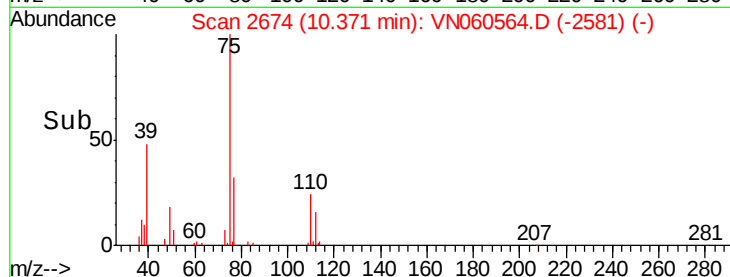
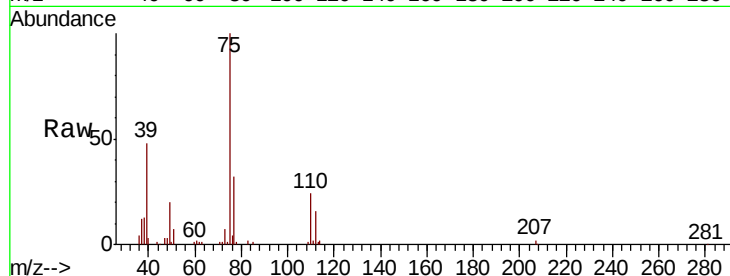
VSTDIC020

Tot Ion: 75 Resp: 77684

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.794 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

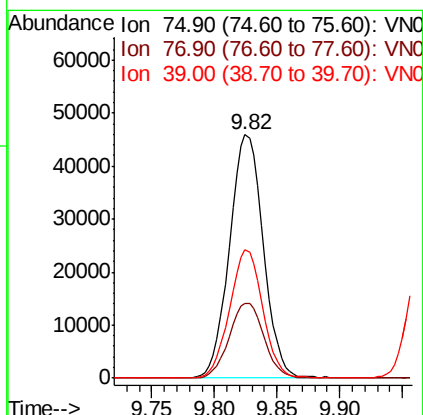
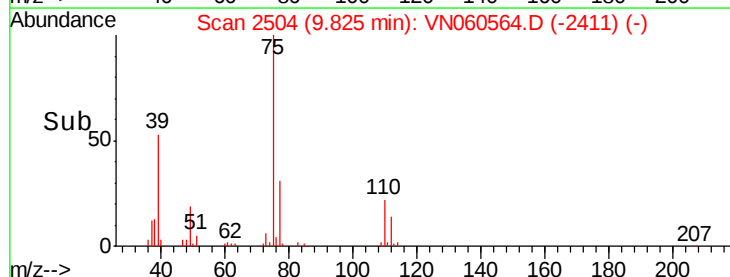
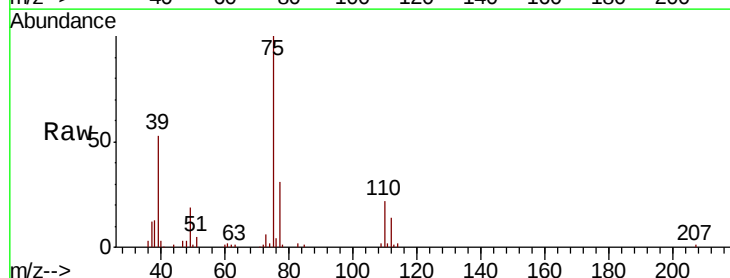
Tgt Ion: 75 Resp: 85950

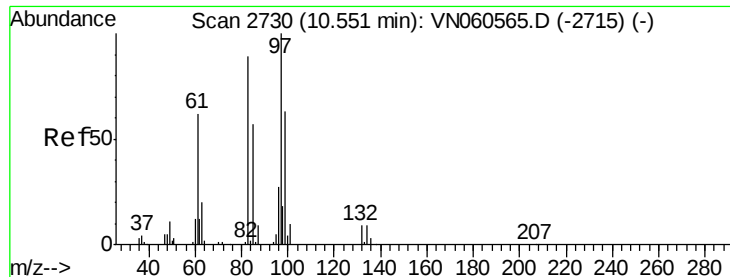
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 52.5 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 19.075 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 47651

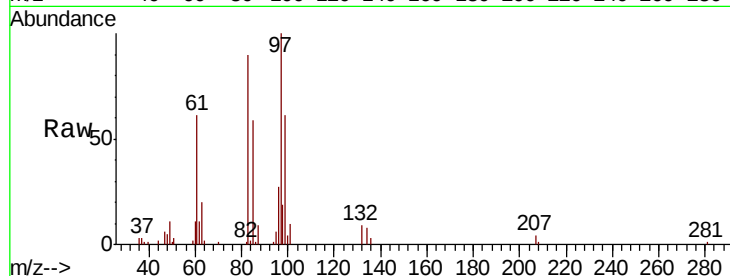
Ion Ratio Lower Upper

97 100

83 89.6 71.3 106.9

85 58.7 45.2 67.8

99 60.8 50.1 75.1

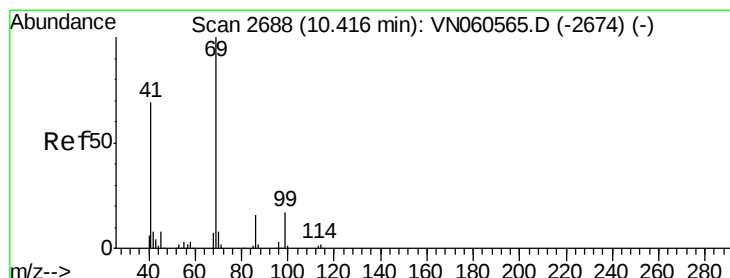
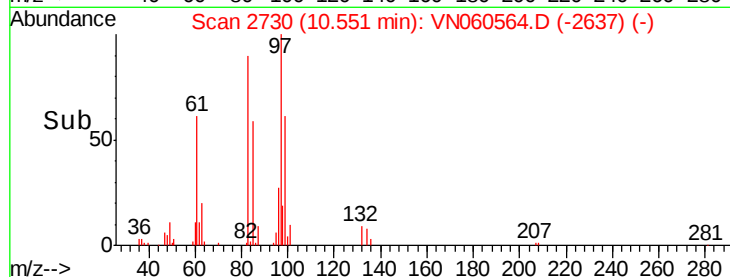
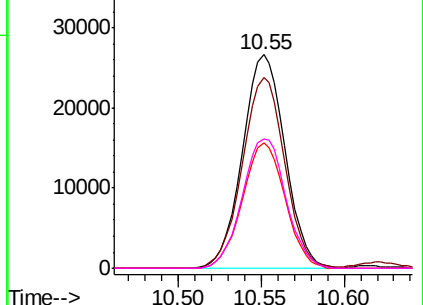


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.508 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

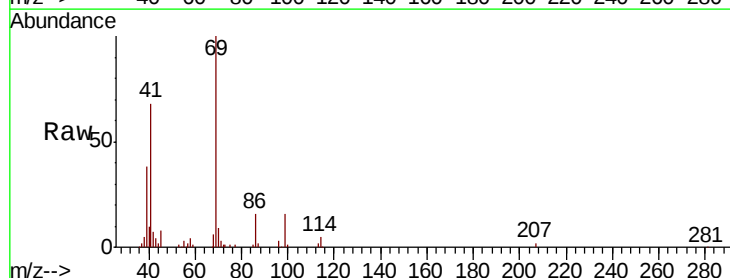
Tgt Ion: 69 Resp: 74288

Ion Ratio Lower Upper

69 100

41 69.5 55.4 83.2

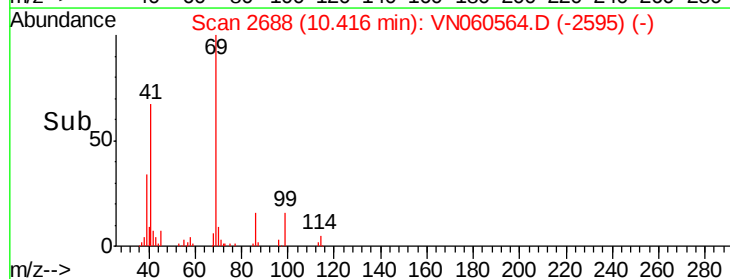
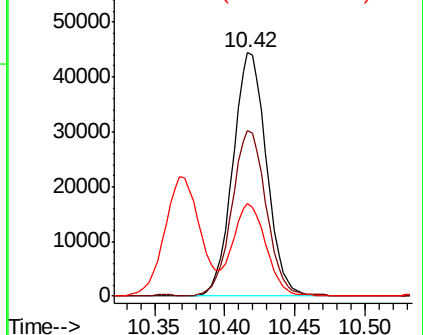
39 37.1 29.4 44.0

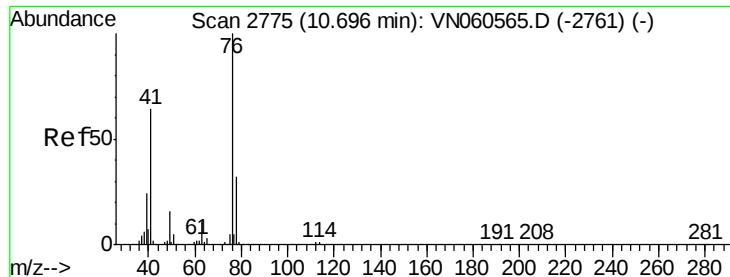


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.468 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

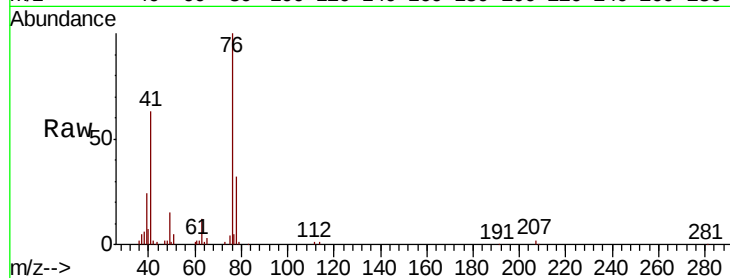
VSTDIC020

Tot Ion: 76 Resp: 83842

Ion Ratio Lower Upper

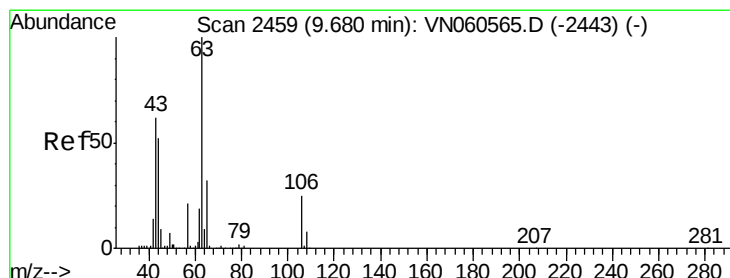
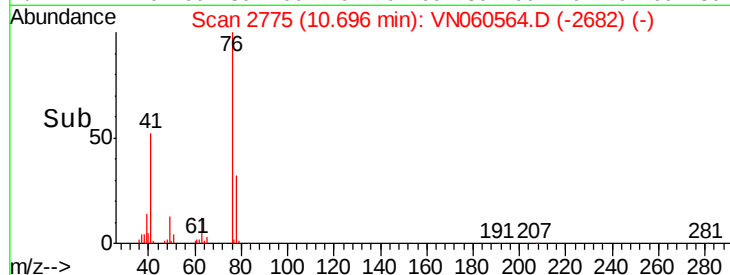
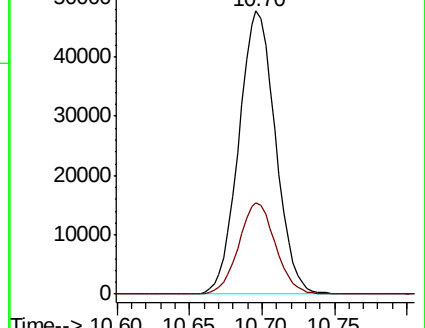
76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060565.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060565.D (-2761) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 89.099 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060564.D

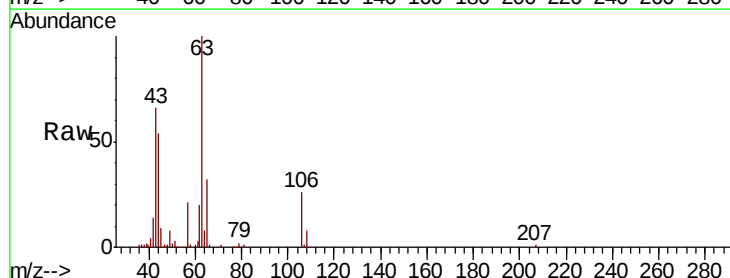
Acq: 17 Mar 2020 18:50

Tgt Ion: 63 Resp: 168077

Ion Ratio Lower Upper

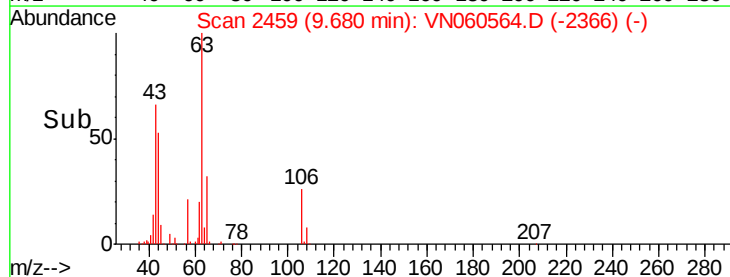
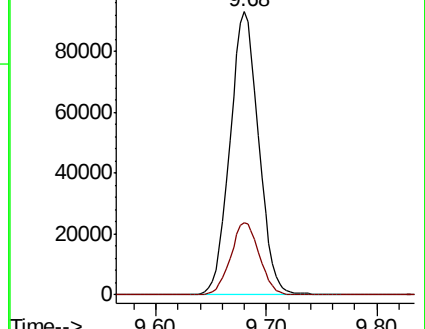
63 100

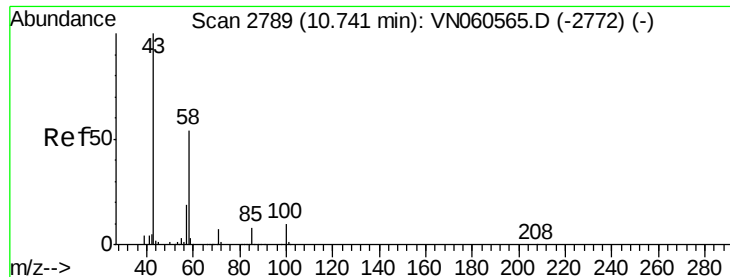
106 25.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060565.D (-2443) (-)

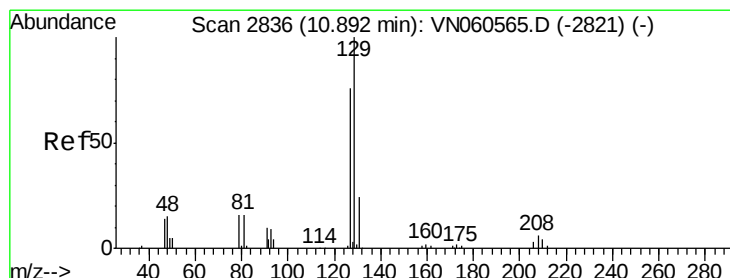
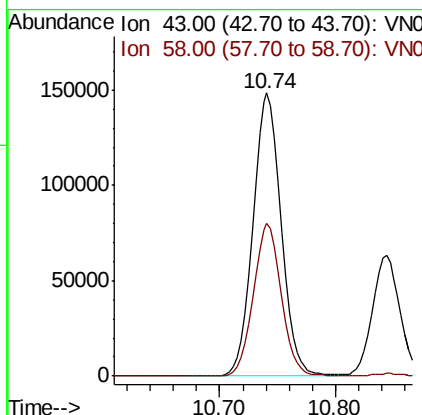
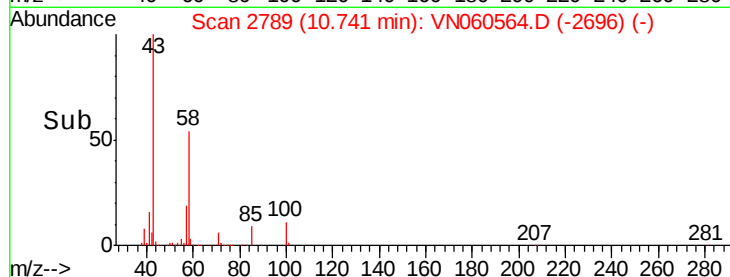
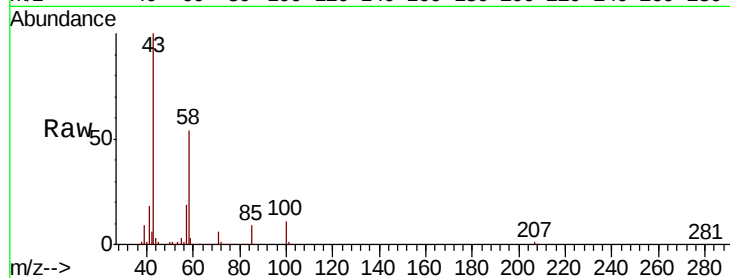




#59
2-Hexanone
Concen: 106.137 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

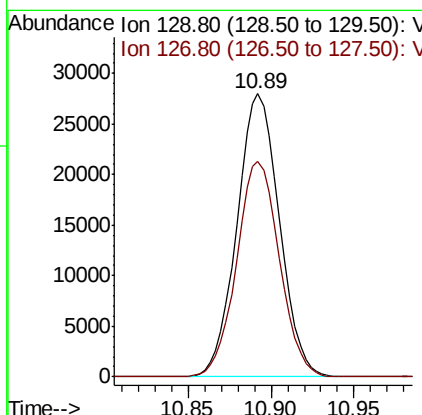
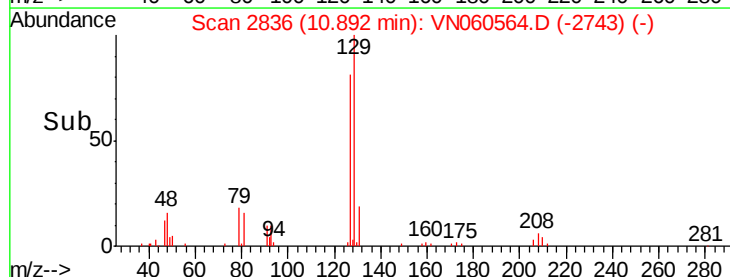
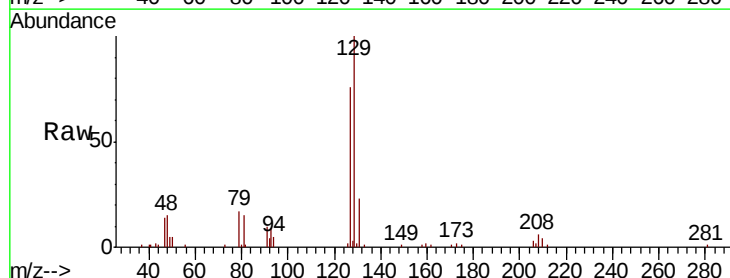
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

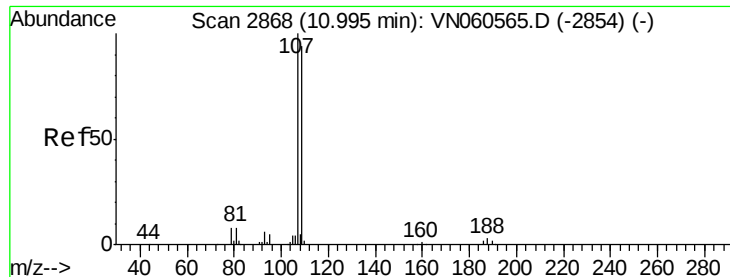
Tot Ion: 43 Resp: 252393
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1



#60
Dibromochloromethane
Concen: 19.675 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion: 129 Resp: 49965
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5

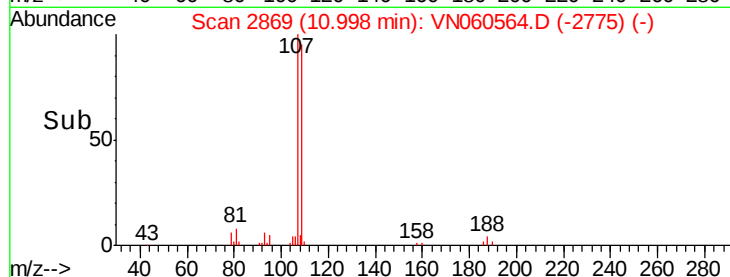
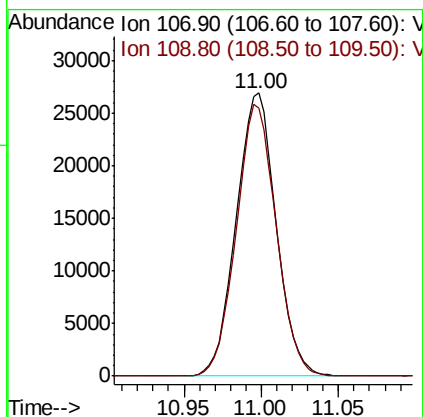
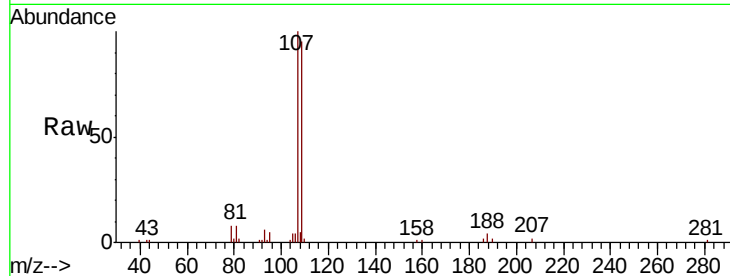




#61
 1,2-Dibromoethane
 Concen: 19.753 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

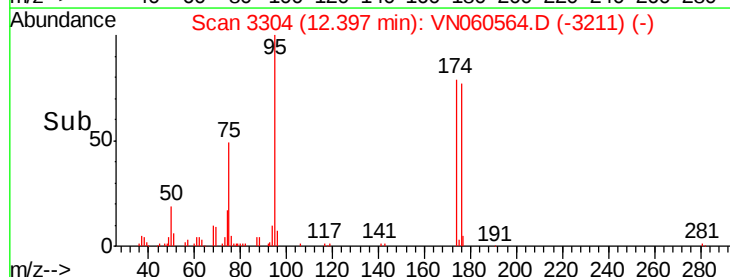
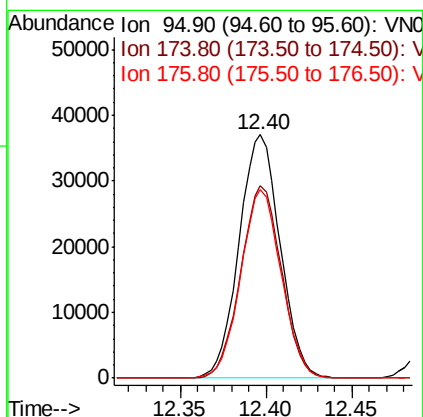
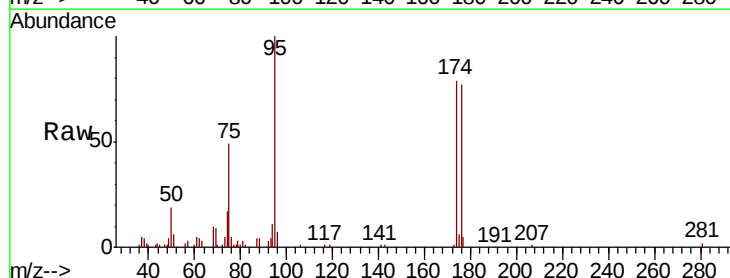
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 48241
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 19.122 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion: 95 Resp: 61291
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 157.6
 176 76.3 0.0 150.6

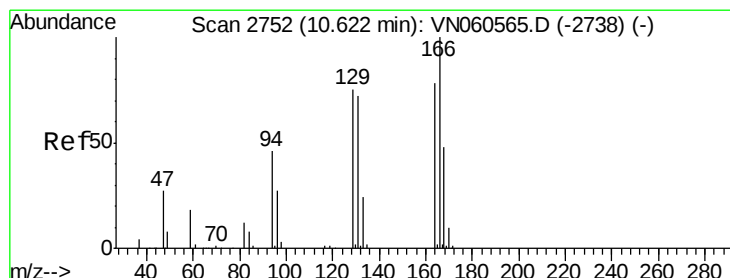
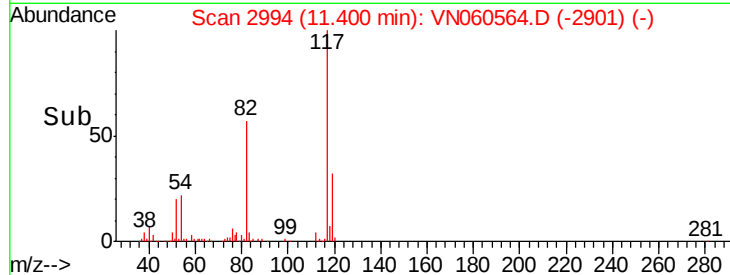
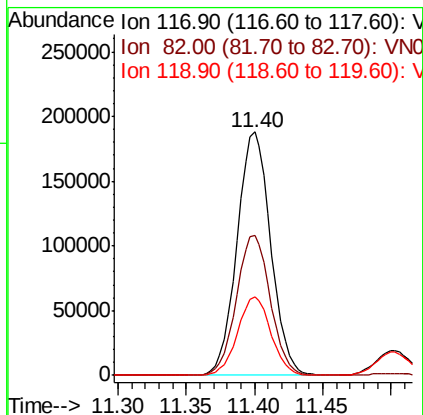
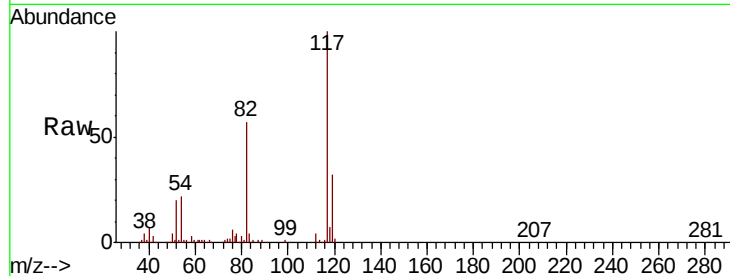




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

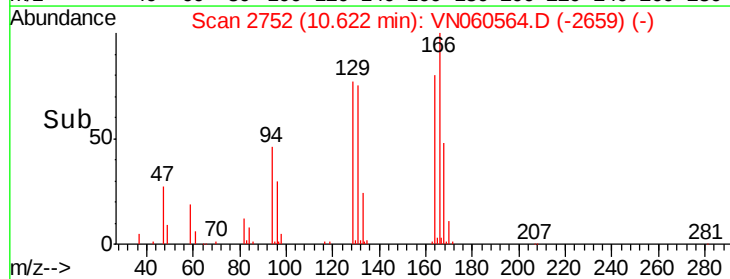
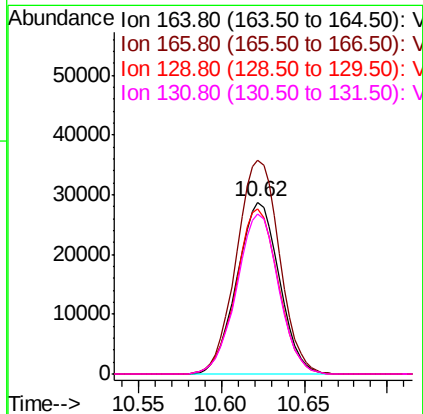
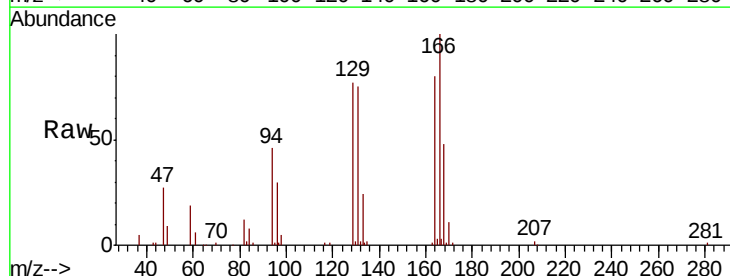
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 322386
Ion Ratio Lower Upper
117 100
82 57.4 46.7 70.1
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 17.933 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion:164 Resp: 51138
Ion Ratio Lower Upper
164 100
166 124.3 102.7 154.1
129 96.2 77.2 115.8
131 93.1 73.8 110.6

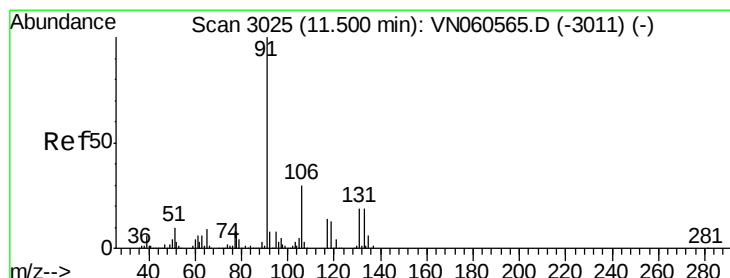
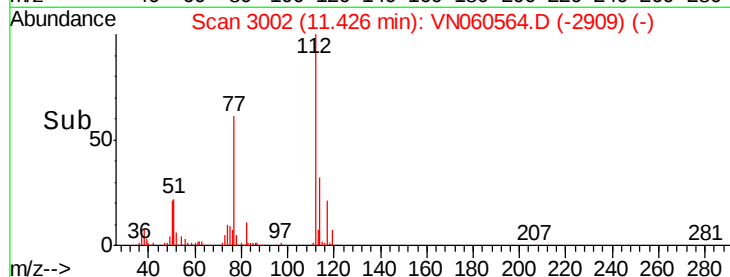
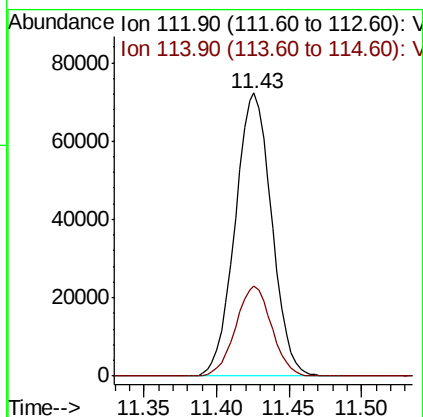
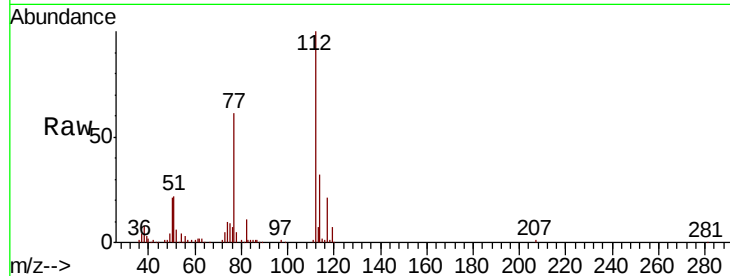




#65
Chlorobenzene
Concen: 19.340 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

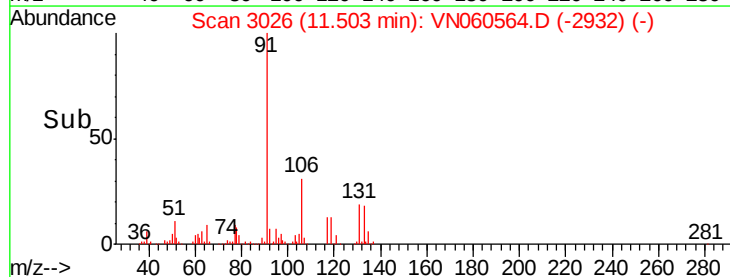
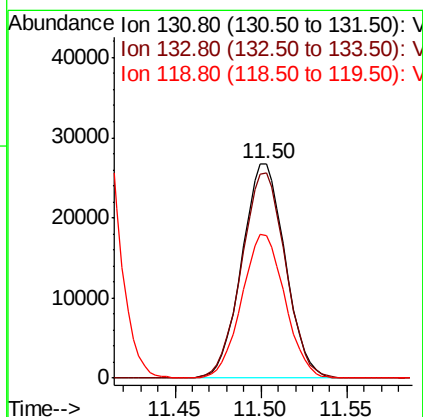
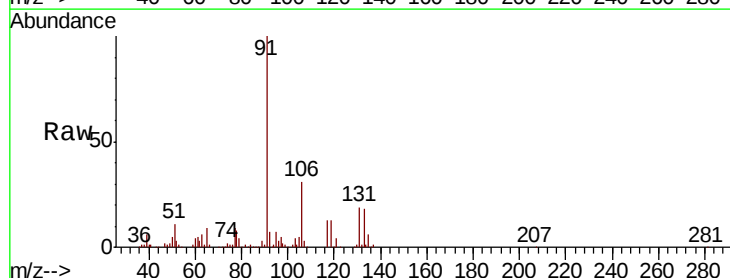
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

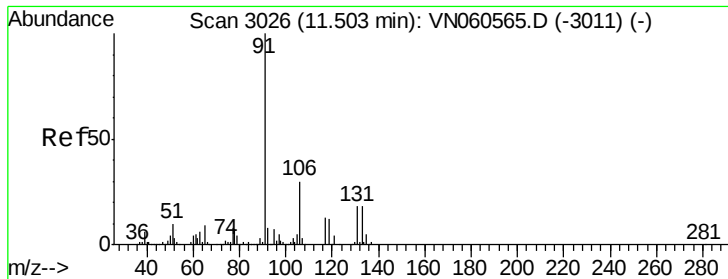
Tot Ion:112 Resp: 126408
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.457 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion:131 Resp: 46721
Ion Ratio Lower Upper
131 100
133 97.3 48.9 146.8
119 66.6 33.9 101.7





#67

Ethyl Benzene

Concen: 19.824 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

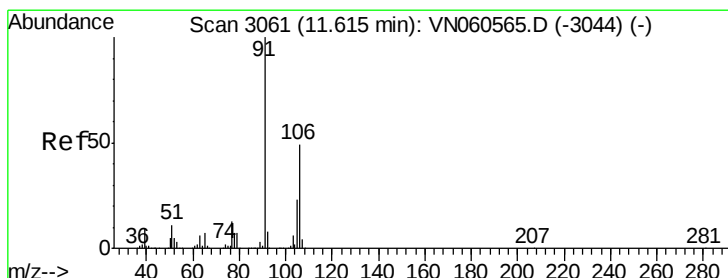
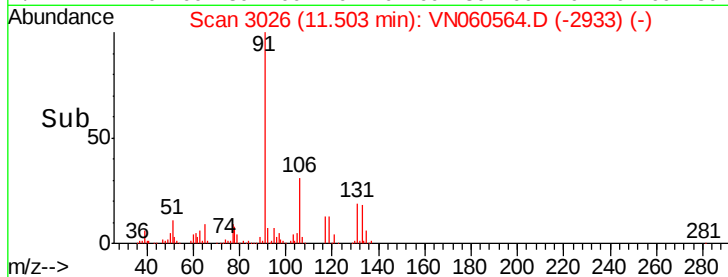
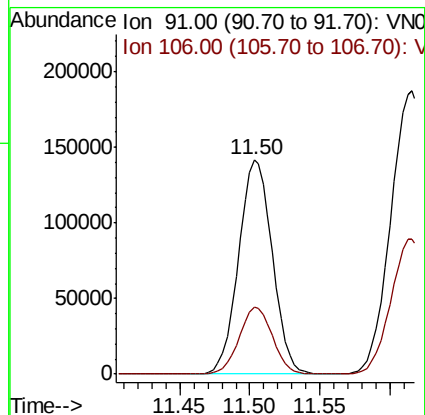
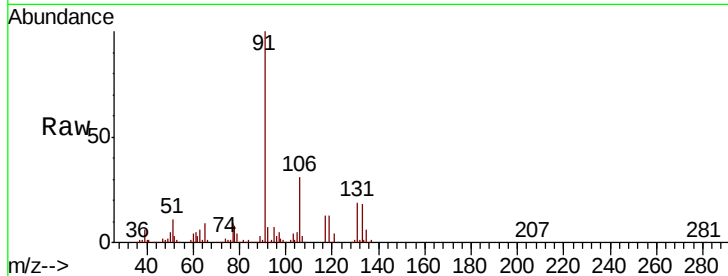
VSTDIC020

Tot Ion: 91 Resp: 237050

Ion Ratio Lower Upper

91 100

106 31.0 24.2 36.2



#68

m/p-Xylenes

Concen: 38.410 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060564.D

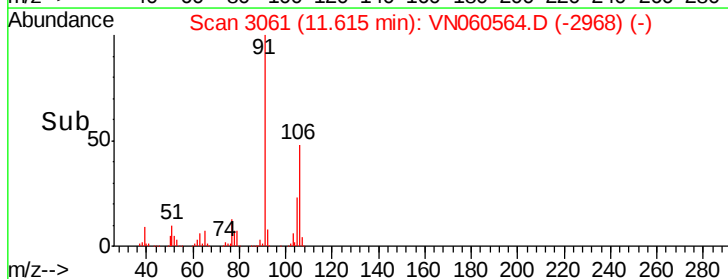
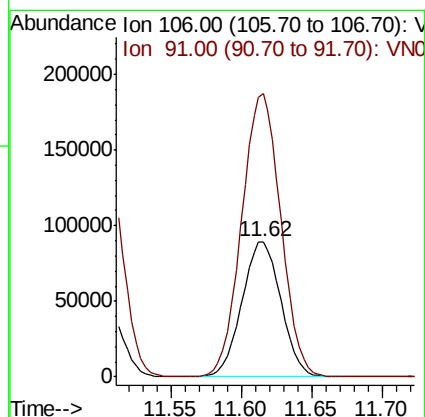
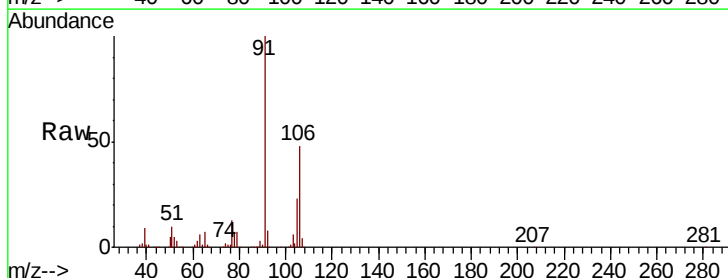
Acq: 17 Mar 2020 18:50

Tgt Ion: 106 Resp: 173200

Ion Ratio Lower Upper

106 100

91 209.6 165.0 247.4

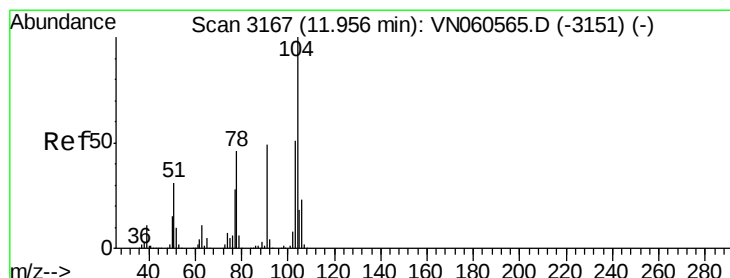
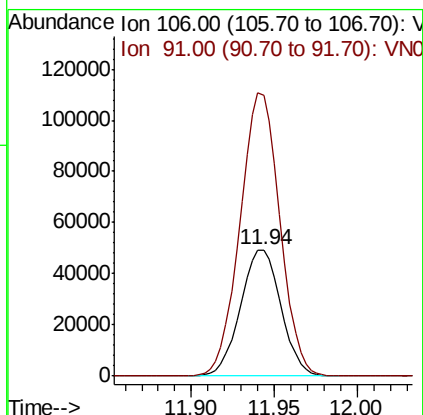
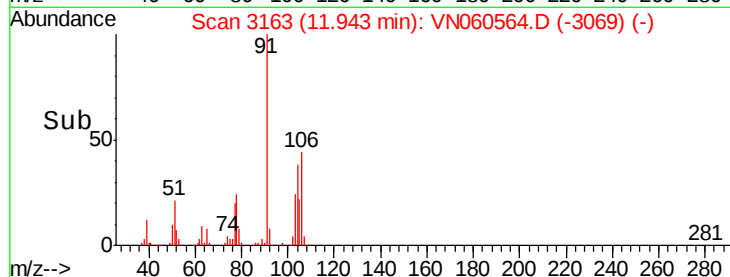
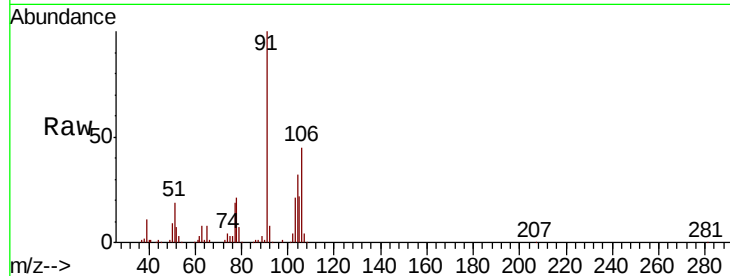




#69
o-Xylene
Concen: 19.528 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

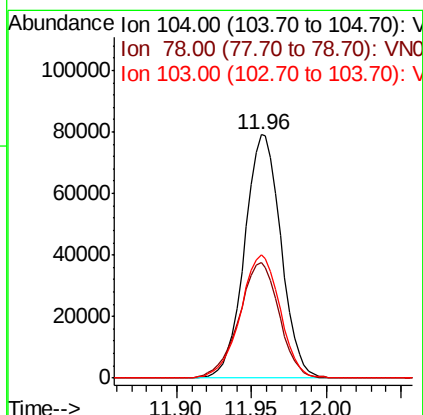
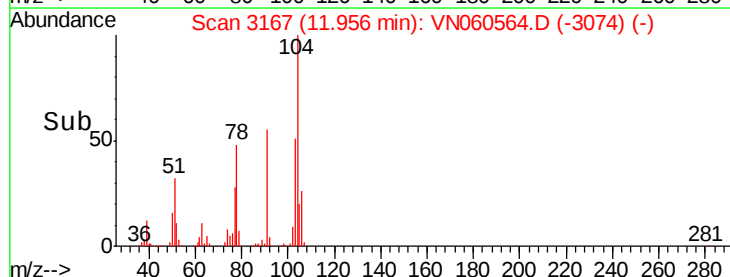
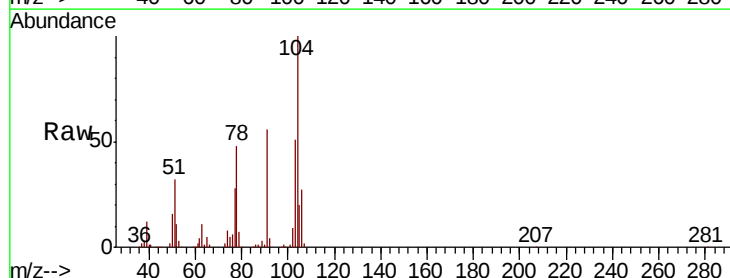
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

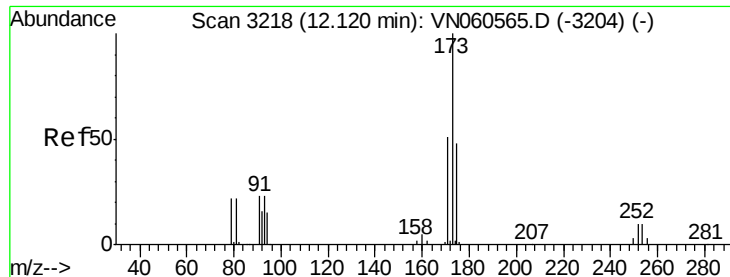
Tot Ion:106 Resp: 83913
Ion Ratio Lower Upper
106 100
91 219.8 109.5 328.4



#70
Styrene
Concen: 19.025 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion:104 Resp: 134281
Ion Ratio Lower Upper
104 100
78 52.3 41.2 61.8
103 55.0 44.0 66.0





#71

Bromoform

Concen: 19.928 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

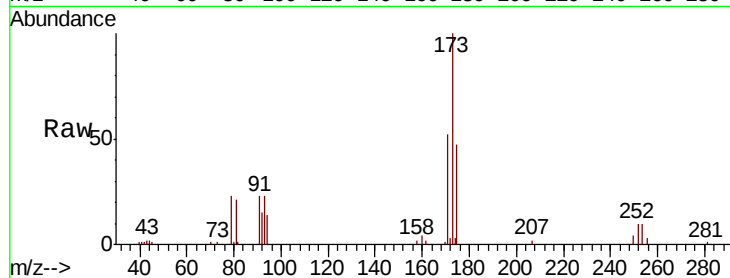
Tot Ion:173 Resp: 34705

Ion Ratio Lower Upper

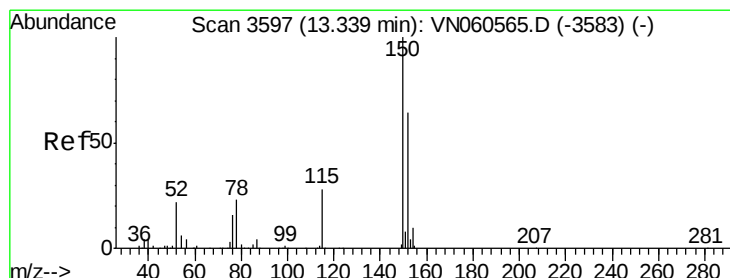
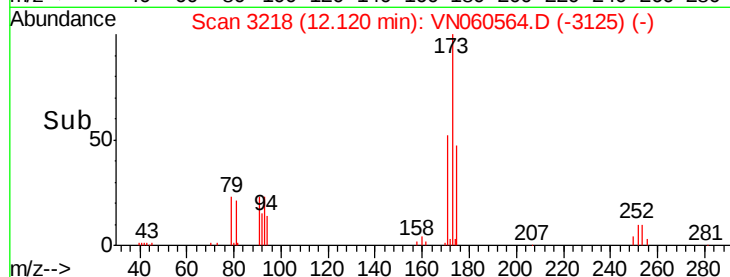
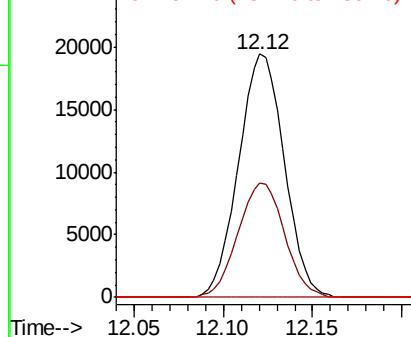
173 100

175 47.8 24.1 72.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

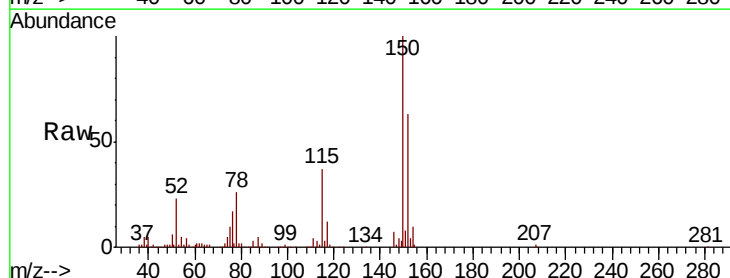
Tgt Ion:152 Resp: 148687

Ion Ratio Lower Upper

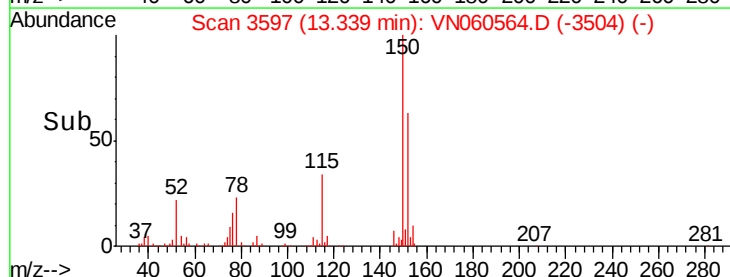
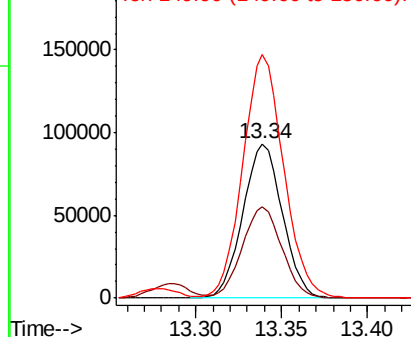
152 100

115 59.4 30.2 90.6

150 163.4 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: 20.249 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

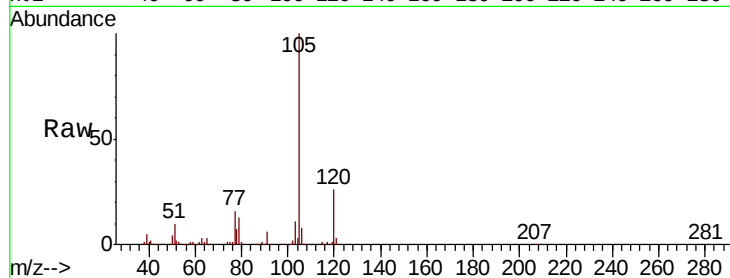
VSTDIC020

Tot Ion: 105 Resp: 225172

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

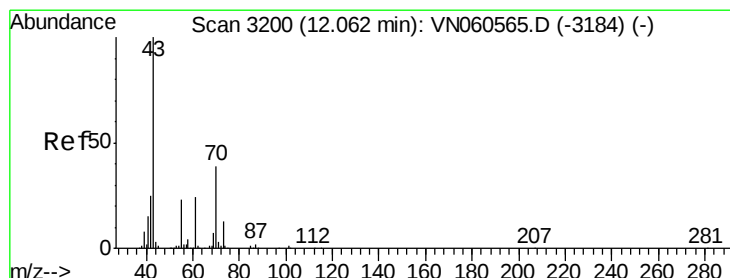
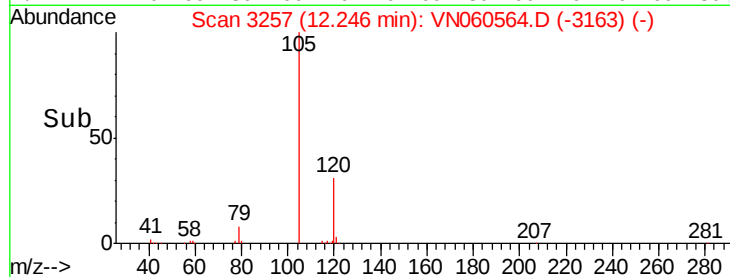
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.430 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Tgt Ion: 43 Resp: 100400

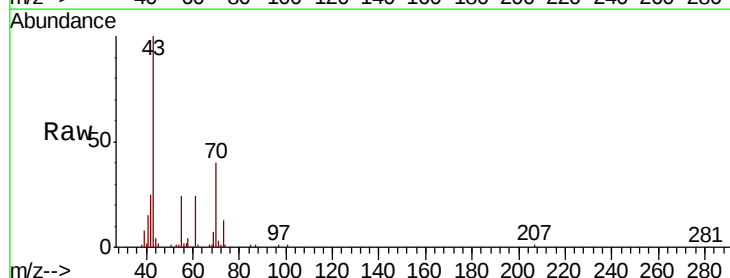
Ion Ratio Lower Upper

43 100

70 39.6 31.1 46.7

55 23.8 18.6 27.8

61 23.5 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

100000

80000

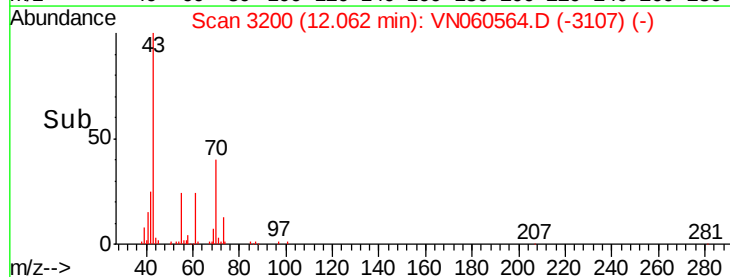
60000

40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.348 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

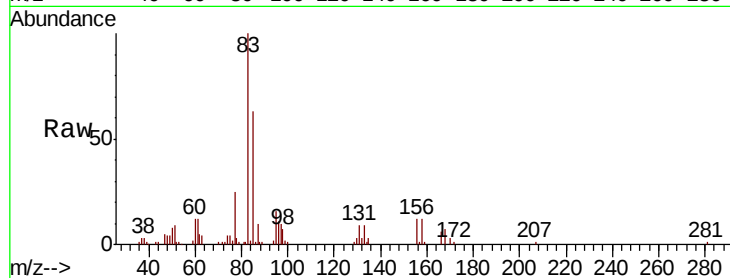
Tot Ion: 83 Resp: 68564

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

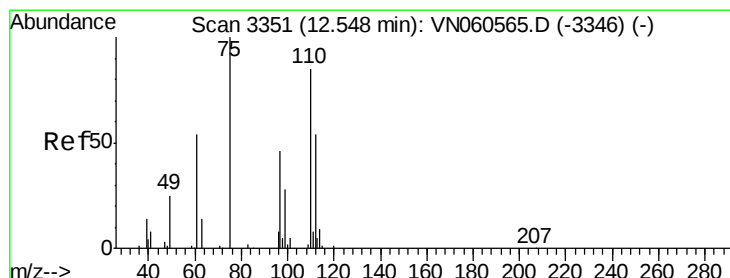
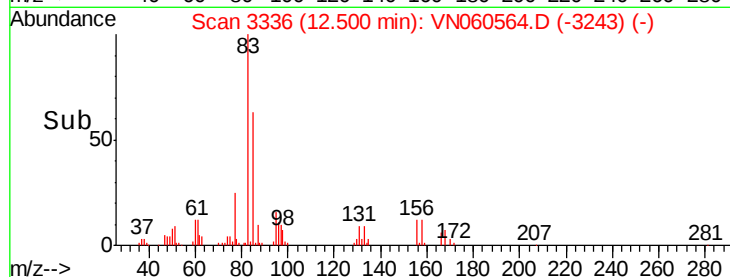
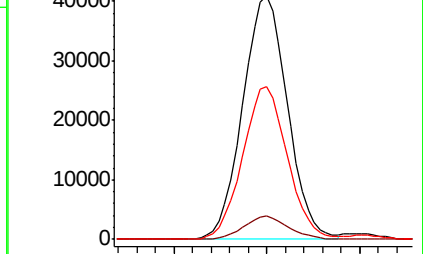
85 62.4 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060564.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060564.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060564.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 28.424 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060564.D

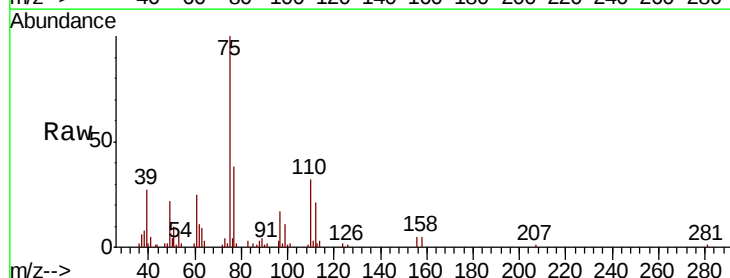
Acq: 17 Mar 2020 18:50

Tgt Ion: 75 Resp: 92382

Ion Ratio Lower Upper

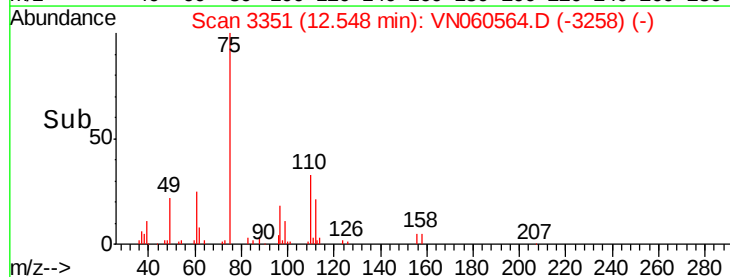
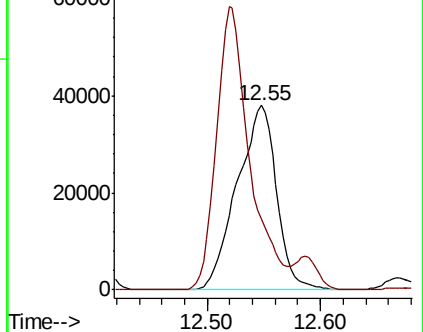
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060564.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060564.D (-3351) (-)





#77

Bromobenzene

Concen: 19.728 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

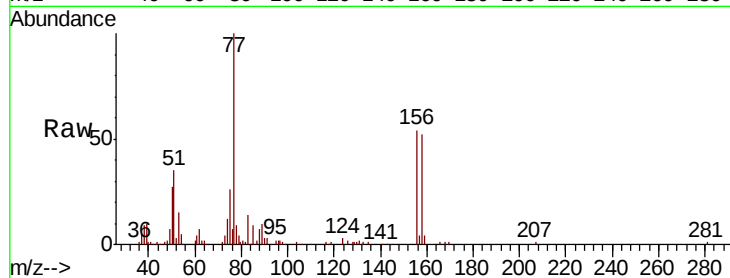
Tot Ion:156 Resp: 53593

Ion Ratio Lower Upper

156 100

77 220.5 112.3 337.0

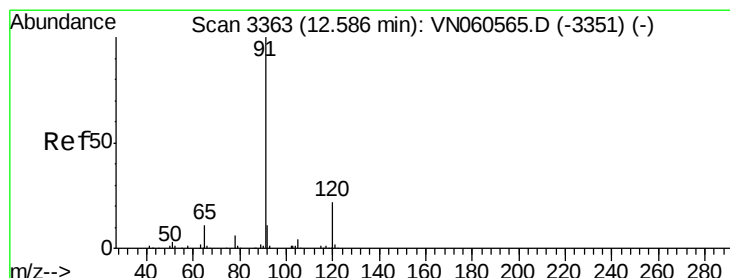
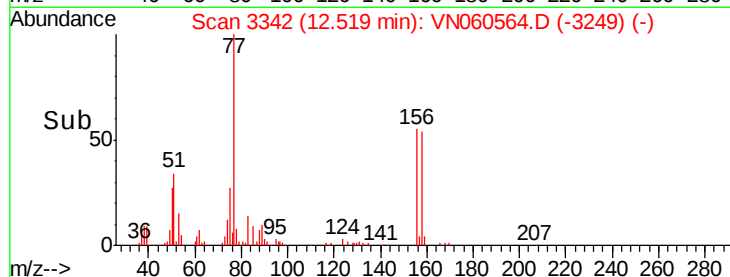
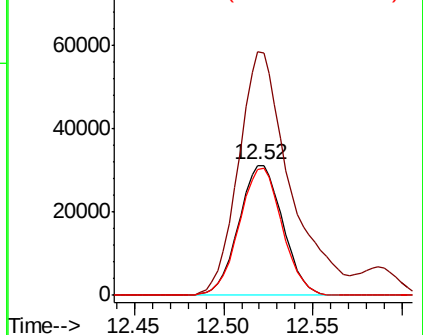
158 96.0 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.175 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060564.D

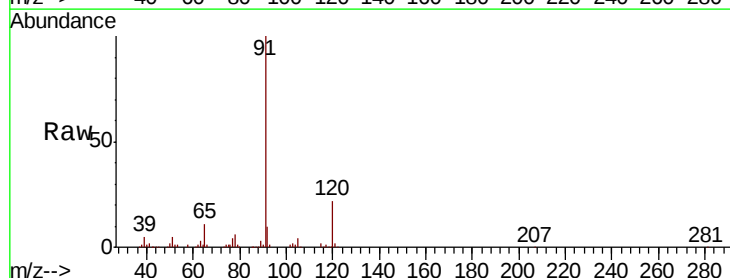
Acq: 17 Mar 2020 18:50

Tgt Ion: 91 Resp: 263596

Ion Ratio Lower Upper

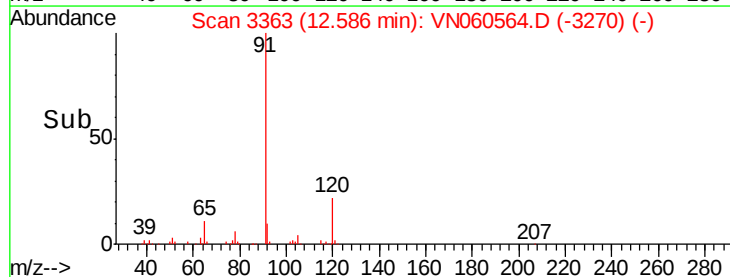
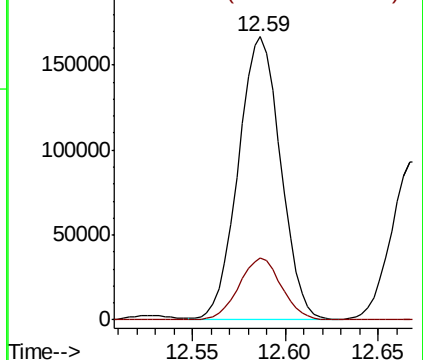
91 100

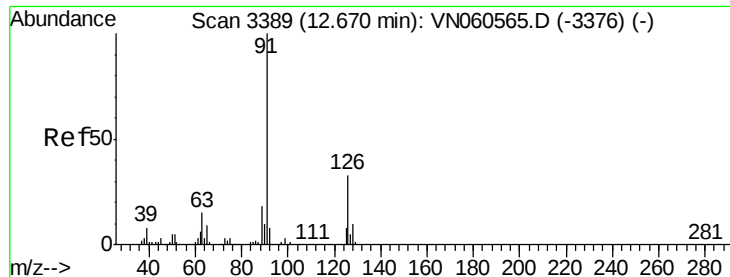
120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

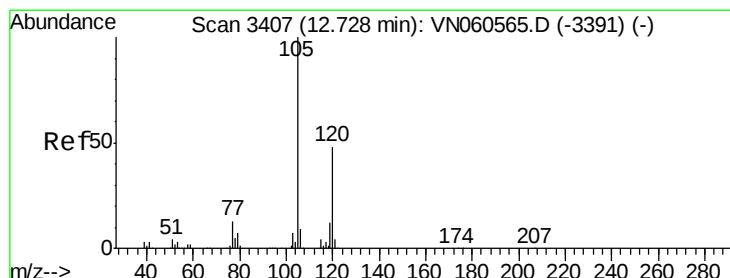
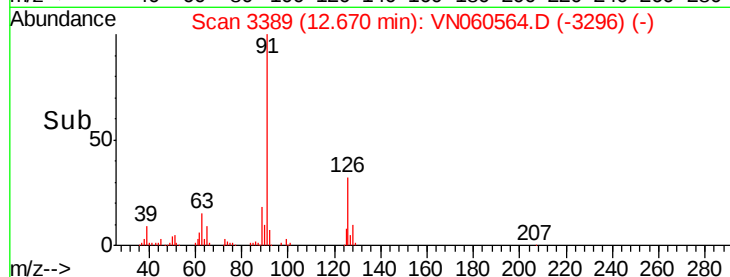
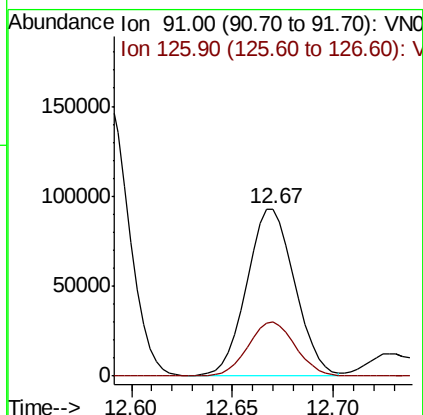
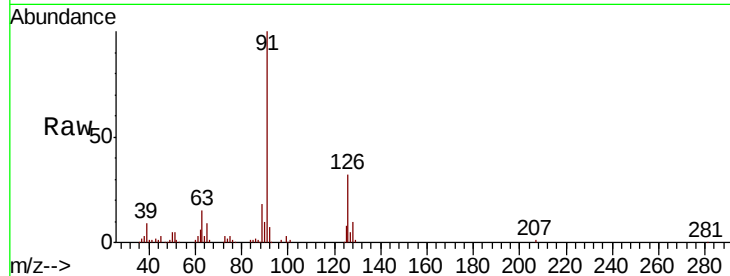




#79
 2-Chlorotoluene
 Concen: 20.030 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

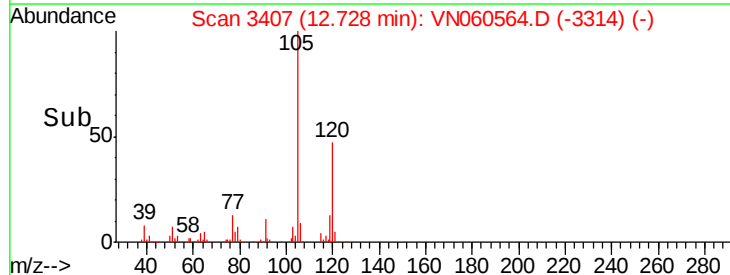
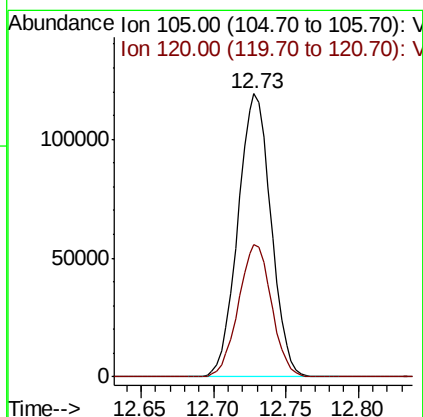
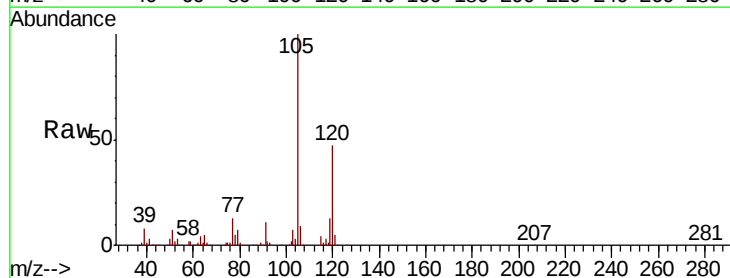
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 154141
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.163 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion: 105 Resp: 188846
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.158 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

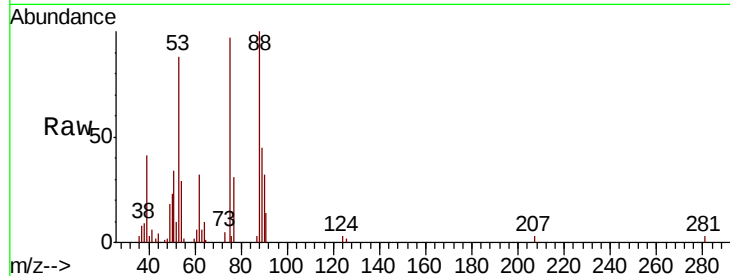
Tot Ion: 75 Resp: 24100

Ion Ratio Lower Upper

75 100

53 88.8 73.0 109.4

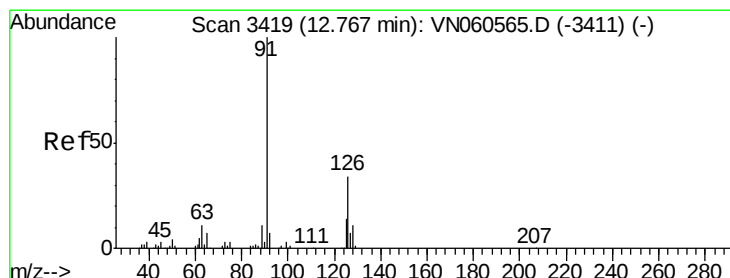
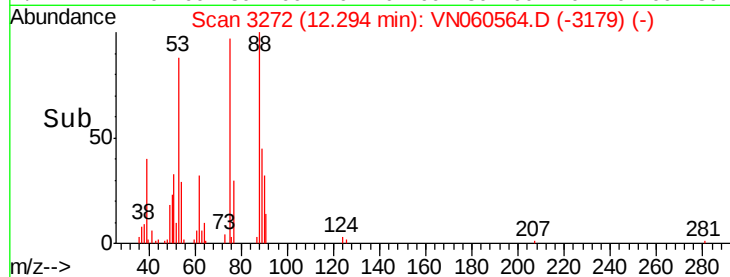
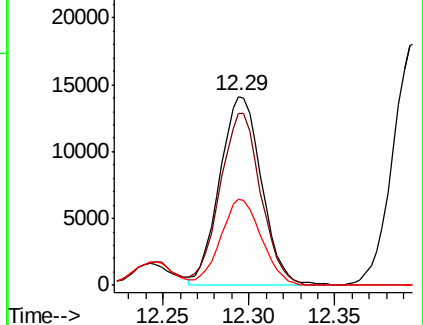
89 44.6 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-3262) (-)

Ion 53.00 (52.70 to 53.70): VN060565.D (-3262) (-)

Ion 88.90 (88.60 to 89.60): VN060565.D (-3262) (-)



#82

4-Chlorotoluene

Concen: 19.564 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060564.D

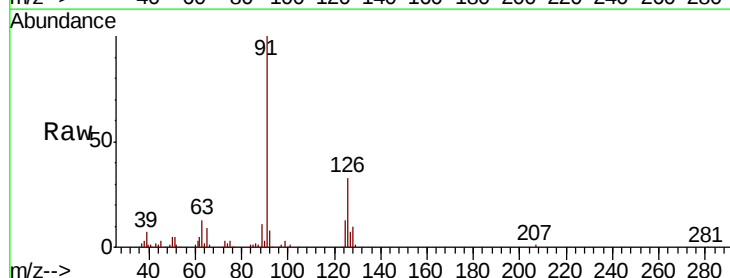
Acq: 17 Mar 2020 18:50

Tgt Ion: 91 Resp: 158350

Ion Ratio Lower Upper

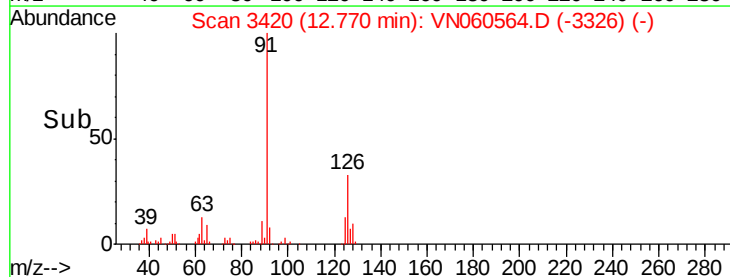
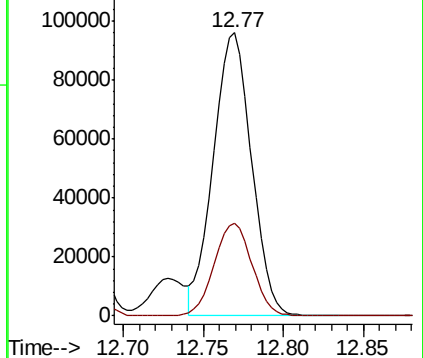
91 100

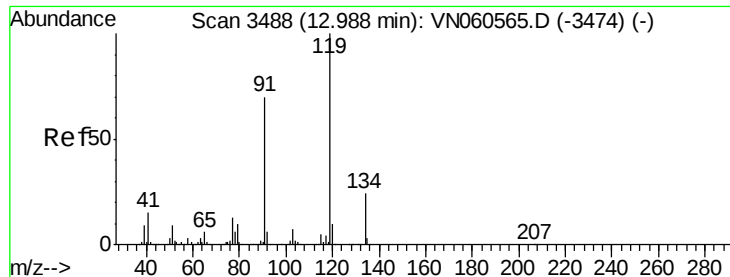
126 32.4 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3411) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3411) (-)

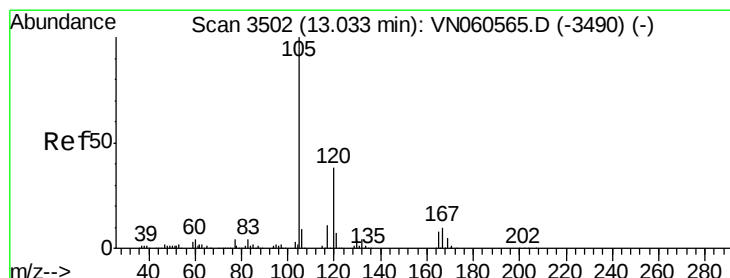
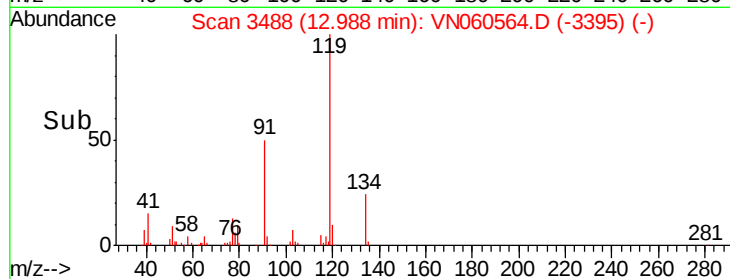
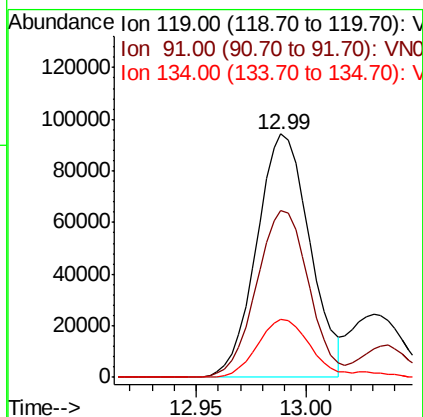
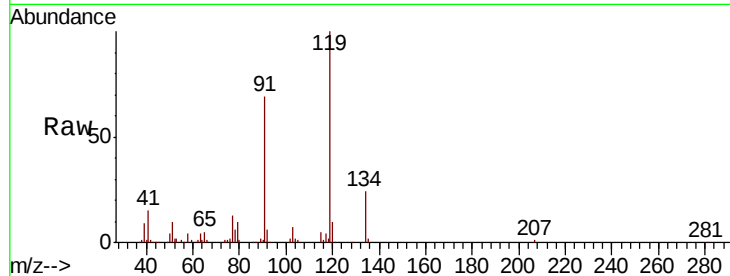




#83
 tert-Butylbenzene
 Concen: 19.525 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

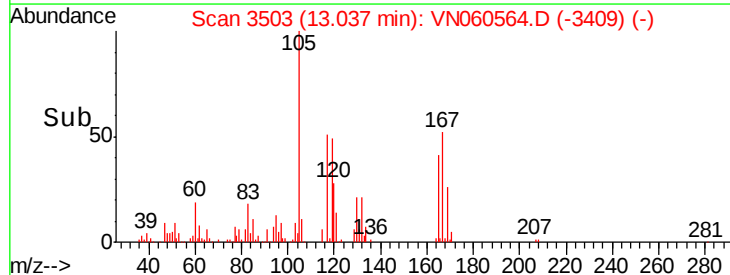
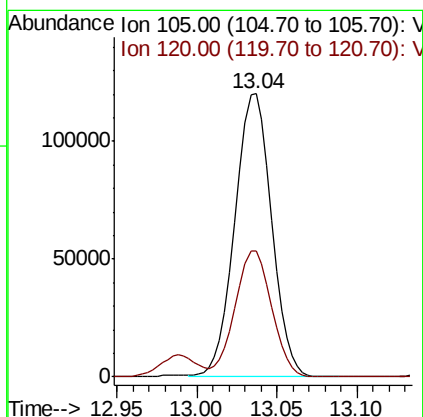
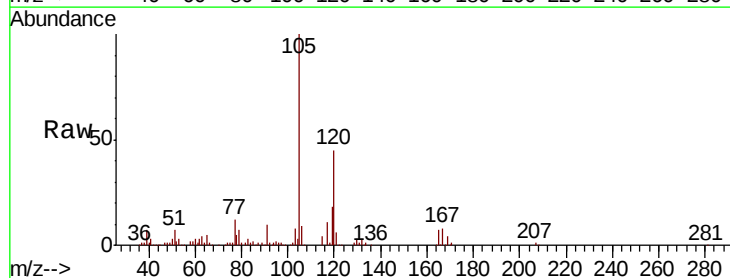
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:119 Resp: 157245
 Ion Ratio Lower Upper
 119 100
 91 67.7 34.0 101.8
 134 23.6 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.970 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion:105 Resp: 188470
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.464 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

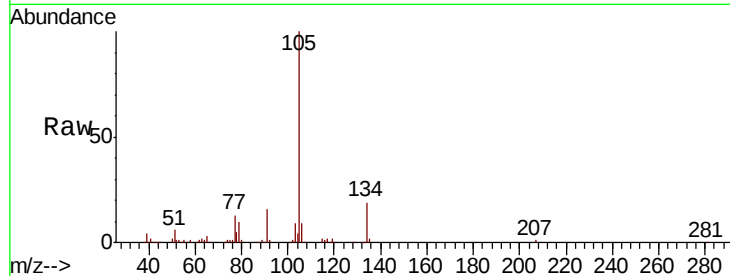
VSTDIC020

Tot Ion:105 Resp: 210356

Ion Ratio Lower Upper

105 100

134 19.4 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

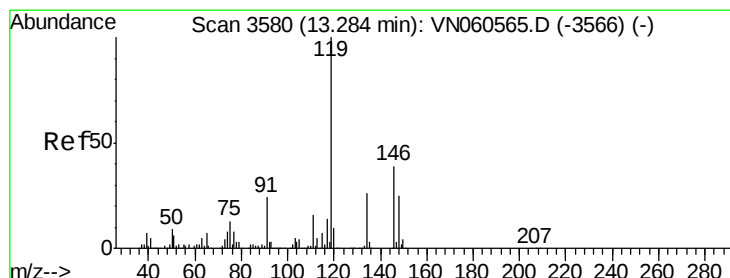
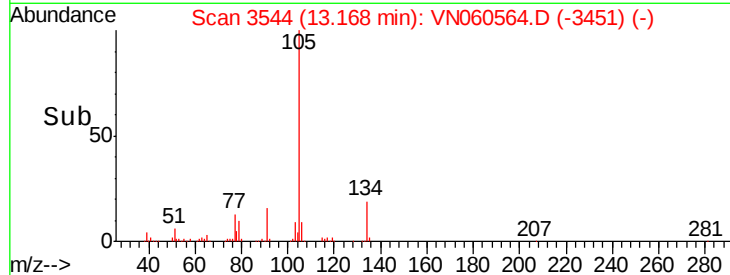
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.817 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

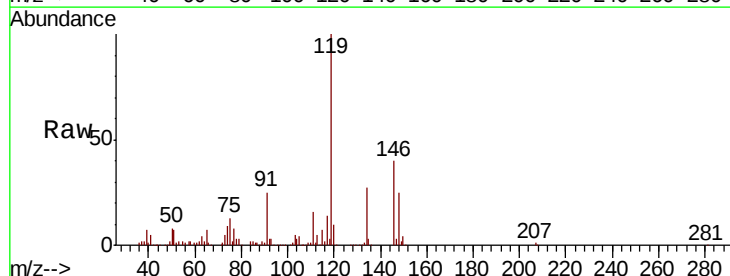
Tgt Ion:119 Resp: 187821

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 24.5 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

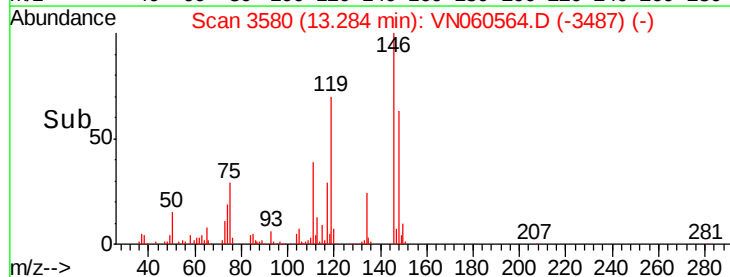
150000

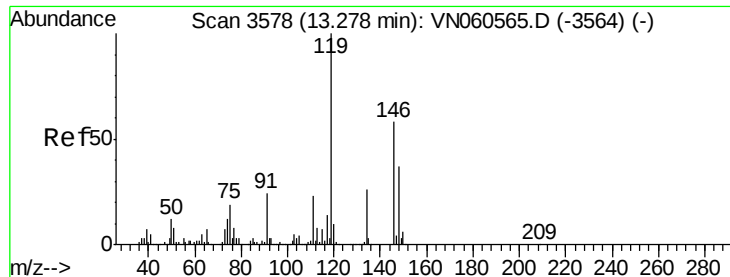
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.556 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

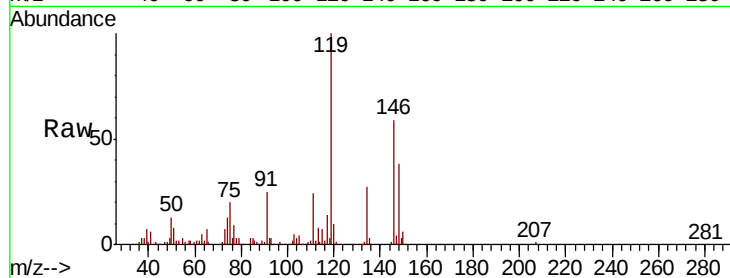
Tot Ion:146 Resp: 94302

Ion Ratio Lower Upper

146 100

111 40.4 20.3 60.8

148 63.5 32.5 97.4

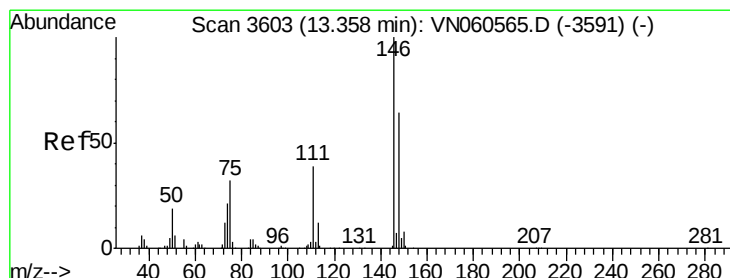
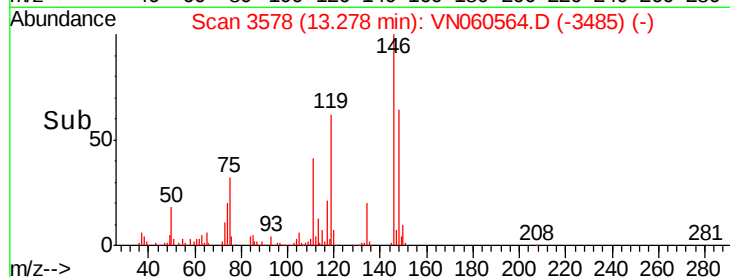
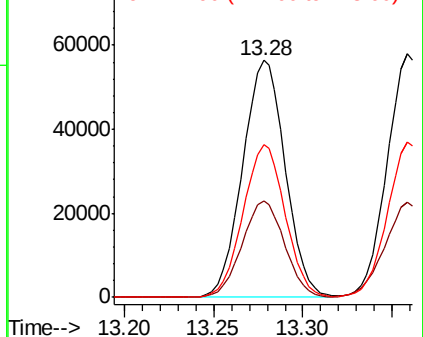


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.537 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

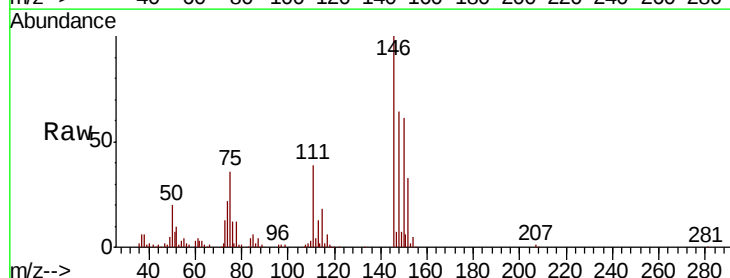
Tgt Ion:146 Resp: 93995

Ion Ratio Lower Upper

146 100

111 41.0 19.6 58.7

148 64.1 32.1 96.3

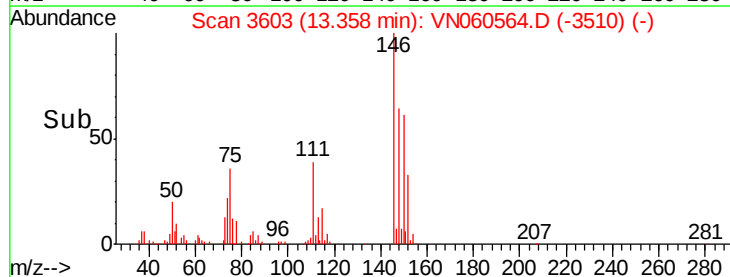
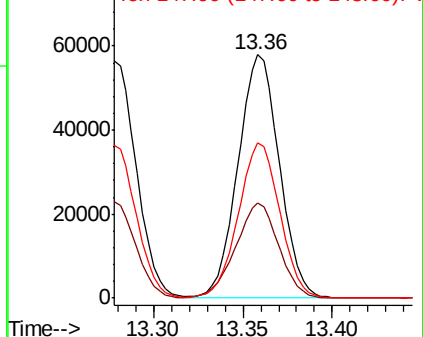


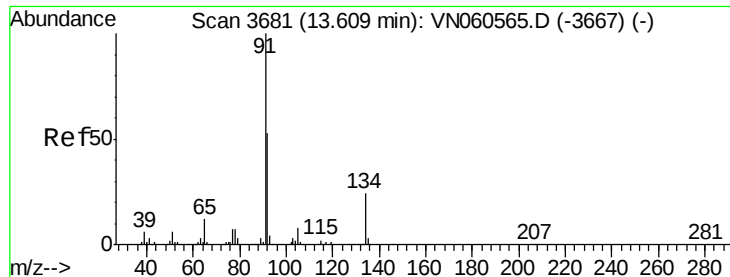
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.466 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

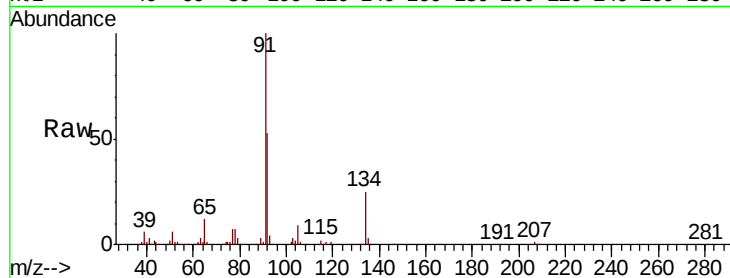
Tot Ion: 91 Resp: 169106

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.5

134 24.6 12.3 36.9

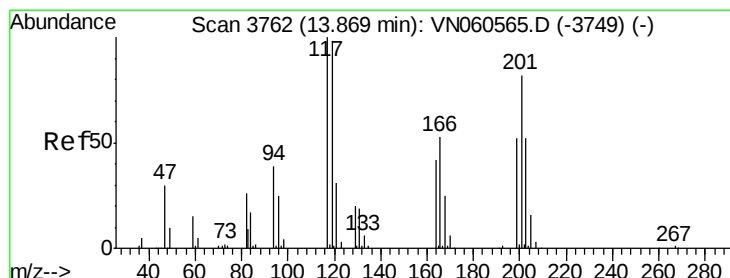
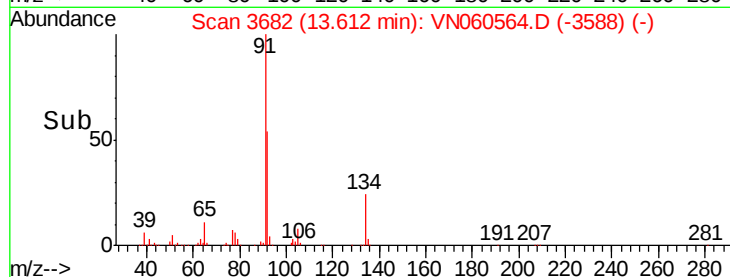
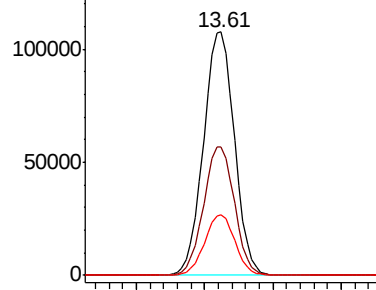


Abundance

Ion 91.00 (90.70 to 91.70): VN060565.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060565.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060565.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.790 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060564.D

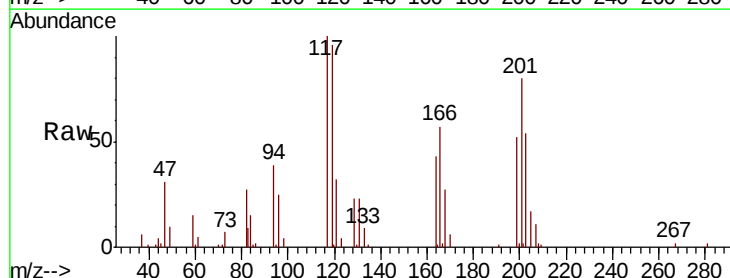
Acq: 17 Mar 2020 18:50

Tgt Ion: 117 Resp: 27106

Ion Ratio Lower Upper

117 100

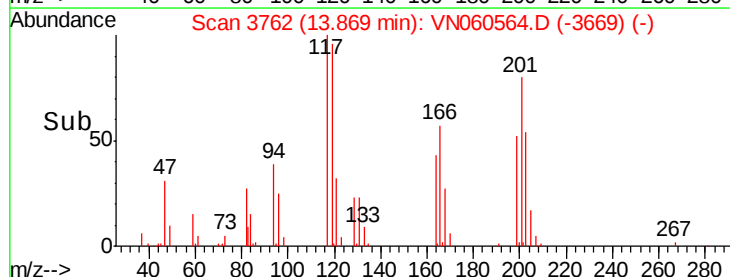
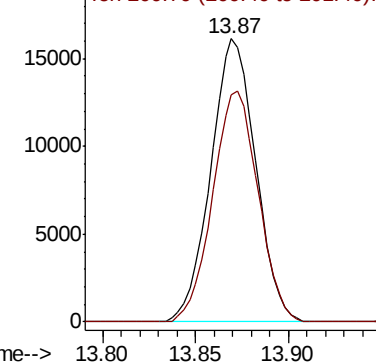
201 82.4 40.8 122.5

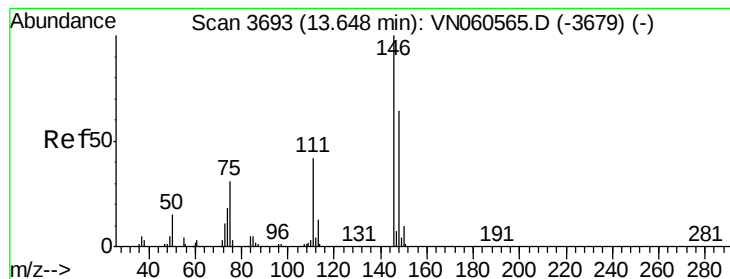


Abundance

Ion 116.80 (116.50 to 117.50): VN060565.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060565.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.305 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

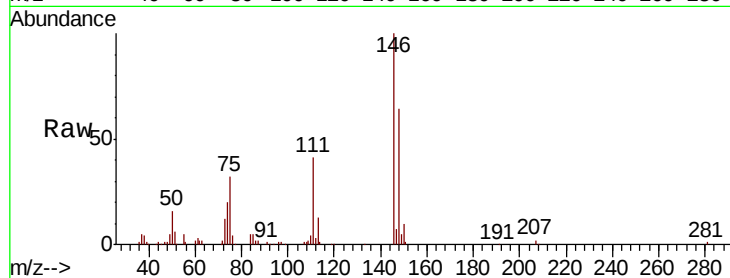
Tot Ion:146 Resp: 91736

Ion Ratio Lower Upper

146 100

111 40.9 21.0 63.0

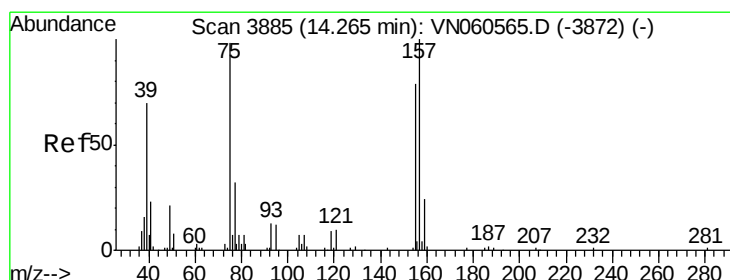
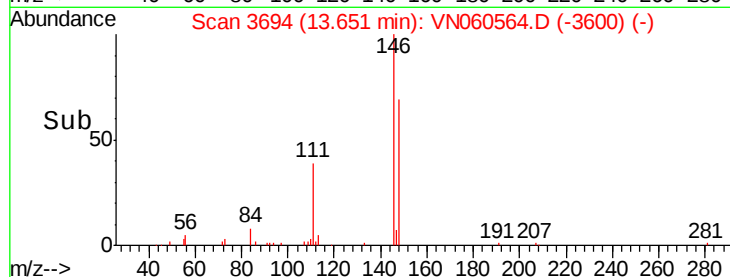
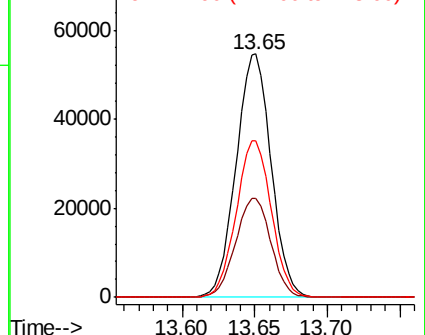
148 64.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.801 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

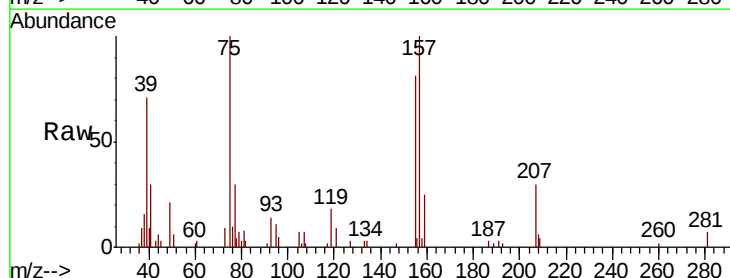
Tgt Ion: 75 Resp: 14262

Ion Ratio Lower Upper

75 100

155 77.9 40.7 122.1

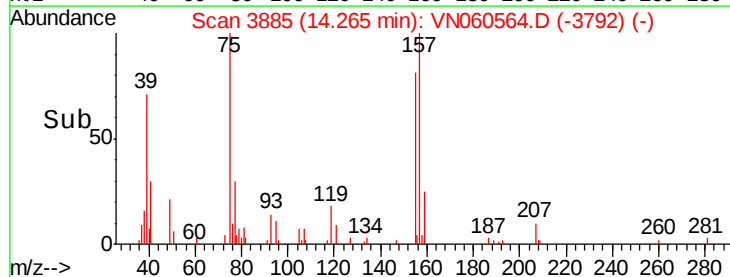
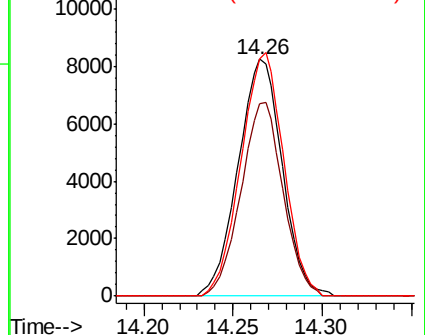
157 99.4 51.5 154.7



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 16.840 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

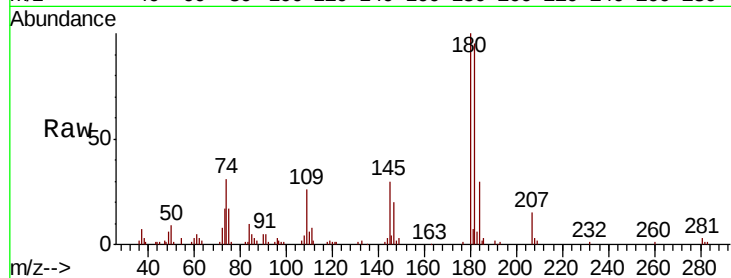
Tot Ion:180 Resp: 56332

Ion Ratio Lower Upper

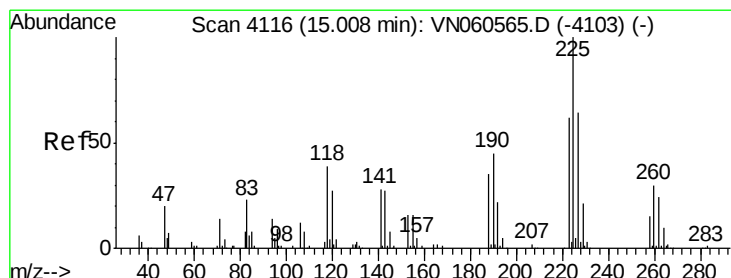
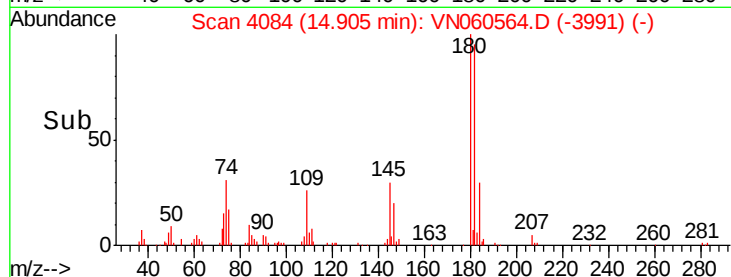
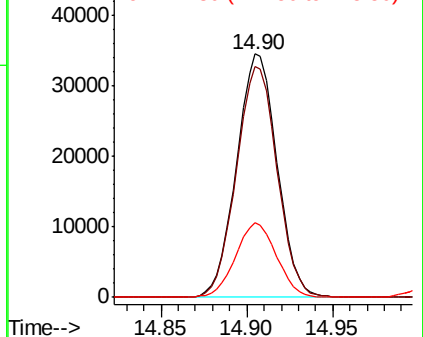
180 100

182 95.3 47.9 143.8

145 30.8 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: 17.471 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

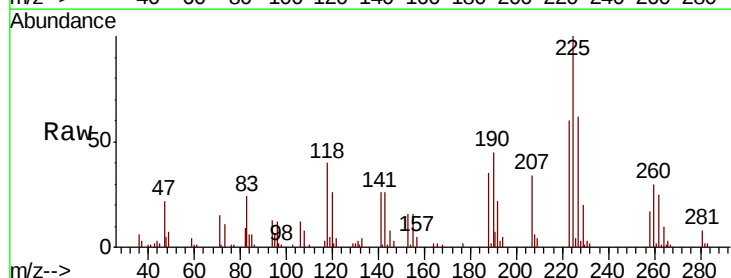
Tgt Ion:225 Resp: 27745

Ion Ratio Lower Upper

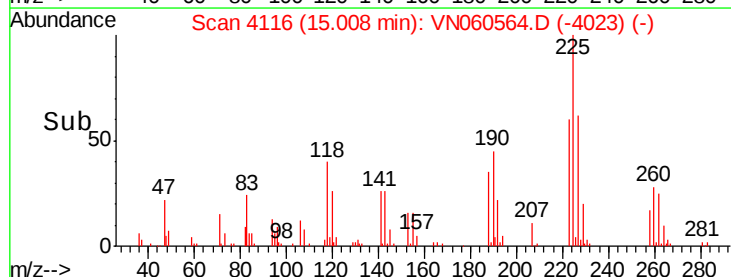
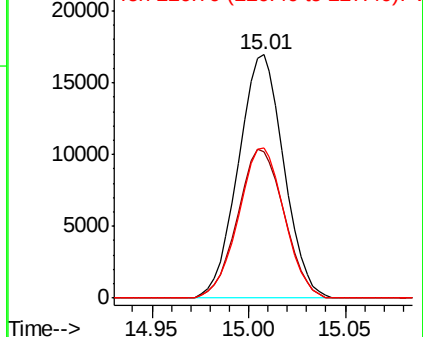
225 100

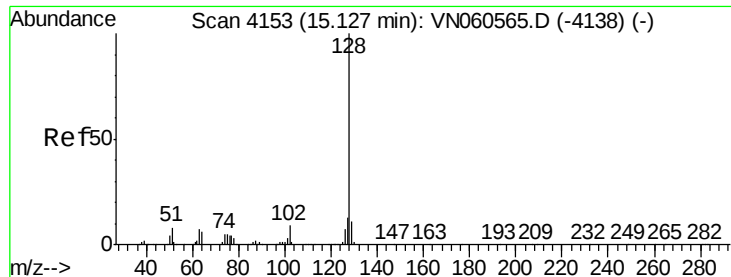
223 62.5 31.6 95.0

227 62.1 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: 17.499 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

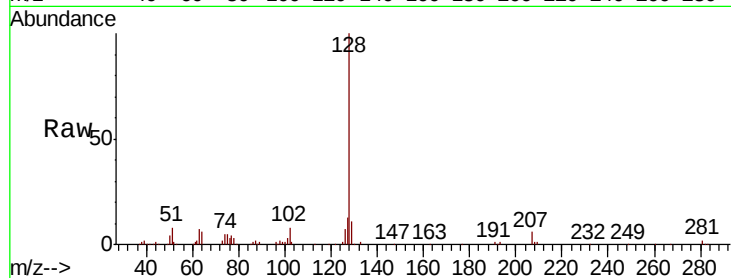
Tot Ion:128 Resp: 168941

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

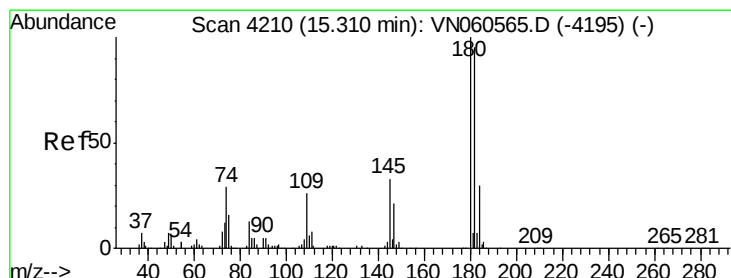
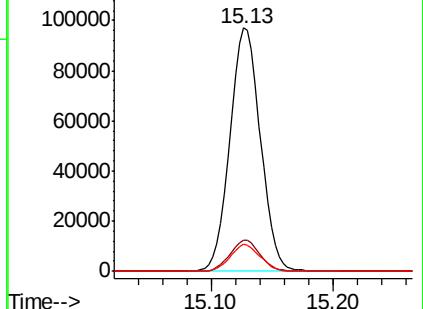
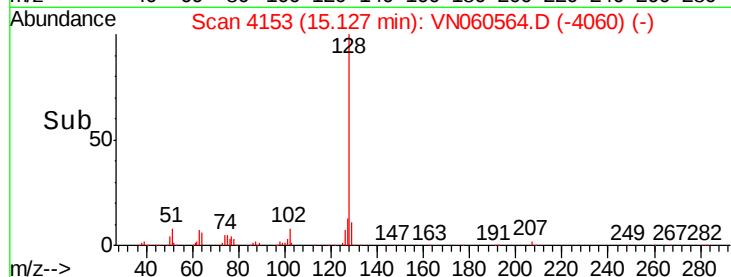
129 10.8 8.8 13.2



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: 17.454 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

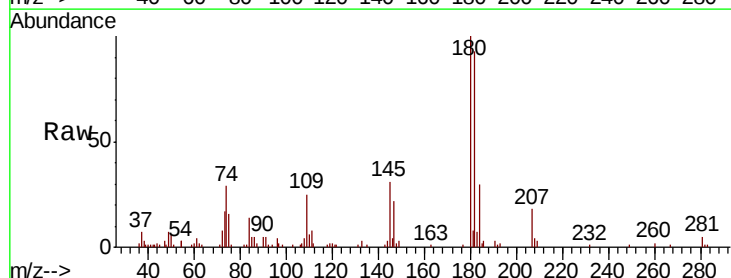
Tgt Ion:180 Resp: 54945

Ion Ratio Lower Upper

180 100

182 94.4 47.5 142.6

145 32.0 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

