

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060563.D
 Acq On : 17 Mar 2020 18:27
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 18 08:04:51 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	218498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	367360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	332624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148522	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	14592	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
35) Dibromofluoromethane	7.57	113	10563	5.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.60%	
50) Toluene-d8	10.08	98	43374	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
62) 4-Bromofluorobenzene	12.40	95	15958	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	9579	4.685	ug/l	100
3) Chloromethane	2.03	50	19726	5.486	ug/l	97
4) Vinyl Chloride	2.16	62	15065	4.966	ug/l	97
5) Bromomethane	2.54	94	6518	4.859	ug/l	97
6) Chloroethane	2.68	64	8888	5.313	ug/l	96
7) Trichlorofluoromethane	3.00	101	18993	4.932	ug/l	96
8) Diethyl Ether	3.38	74	7610	5.179	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	11093	5.075	ug/l	99
10) Methyl Iodide	3.93	142	8520	4.324	ug/l	98
11) Tert butyl alcohol	4.74	59	10966	26.137	ug/l #	93
12) 1,1-Dichloroethene	3.71	96	11723	5.014	ug/l	96
13) Acrolein	3.58	56	11637	28.842	ug/l	98
14) Allyl chloride	4.30	41	21282	5.450	ug/l	95
15) Acrylonitrile	4.95	53	31650	28.013	ug/l	98
16) Acetone	3.78	43	26290	28.141	ug/l	100
17) Carbon Disulfide	4.03	76	35356	5.221	ug/l	99
18) Methyl Acetate	4.29	43	14632	4.780	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	41541	5.375	ug/l	99
20) Methylene Chloride	4.52	84	13502	5.329	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	12784	4.832	ug/l	97
22) Diisopropyl ether	5.92	45	43375	5.387	ug/l	98
23) Vinyl Acetate	5.86	43	176336	27.526	ug/l	100
24) 1,1-Dichloroethane	5.82	63	24137	5.337	ug/l	99
25) 2-Butanone	6.80	43	41868	27.754	ug/l	98
26) 2,2-Dichloropropane	6.80	77	19659	4.900	ug/l	80
27) cis-1,2-Dichloroethene	6.80	96	14335	4.911	ug/l	98
28) Bromochloromethane	7.17	49	11107	5.747	ug/l #	98
29) Tetrahydrofuran	7.18	42	29977	28.488	ug/l	99
30) Chloroform	7.35	83	23537	5.265	ug/l	98
31) Cyclohexane	7.63	56	27265	6.364	ug/l #	79
32) 1,1,1-Trichloroethane	7.55	97	19687	4.978	ug/l	98
36) 1,1-Dichloropropene	7.77	75	17450	4.897	ug/l	98
37) Ethyl Acetate	6.90	43	17715	5.218	ug/l	98
38) Carbon Tetrachloride	7.75	117	15516	4.557	ug/l	95

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 VSTDIC005

Quant Time: Mar 18 08:04:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	20675	4.925	ug/l	96
40) Benzene	8.02	78	53545	5.172	ug/l	99
41) Methacrylonitrile	7.15	41	9180	5.943	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	18444	4.993	ug/l	98
43) Isopropyl Acetate	8.14	43	31200	5.279	ug/l	99
44) Trichloroethene	8.82	130	13612	4.775	ug/l	96
45) 1,2-Dichloropropane	9.10	63	13767	5.093	ug/l	99
46) Dibromomethane	9.19	93	8496	4.883	ug/l	98
47) Bromodichloromethane	9.39	83	17783	5.028	ug/l	97
48) Methyl methacrylate	9.18	41	13110	4.871	ug/l	97
49) 1,4-Dioxane	9.18	88	3428	91.864	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	87450	26.045	ug/l	100
52) Toluene	10.14	92	32077	4.960	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	19893	4.597	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	22268	4.952	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	12222	4.724	ug/l	98
56) Ethyl methacrylate	10.42	69	17709	4.721	ug/l	98
57) 1,3-Dichloropropane	10.70	76	22095	5.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	46488	23.796	ug/l	99
59) 2-Hexanone	10.74	43	62487	25.374	ug/l	98
60) Dibromochloromethane	10.89	129	12155	4.622	ug/l	97
61) 1,2-Dibromoethane	11.00	107	12302	4.864	ug/l	100
64) Tetrachloroethene	10.62	164	13856	4.709	ug/l	99
65) Chlorobenzene	11.43	112	32693	4.848	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	11979	4.835	ug/l	99
67) Ethyl Benzene	11.50	91	61226	4.963	ug/l	100
68) m/p-Xylenes	11.62	106	45208	9.717	ug/l	99
69) o-Xylene	11.94	106	21971	4.956	ug/l	98
70) Styrene	11.96	104	32923	4.521	ug/l	99
71) Bromoform	12.12	173	8349	4.646	ug/l #	97
73) Isopropylbenzene	12.25	105	57439	5.171	ug/l	99
74) N-amyl acetate	12.07	43	24081	4.906	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	17089	5.576	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	24156	7.441	ug/l #	100
77) Bromobenzene	12.52	156	13847	5.103	ug/l	97
78) n-propylbenzene	12.59	91	67112	5.142	ug/l	100
79) 2-Chlorotoluene	12.67	91	40738	5.300	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	48603	5.195	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	5868	4.914	ug/l	99
82) 4-Chlorotoluene	12.77	91	41002	5.071	ug/l	100
83) tert-Butylbenzene	12.99	119	41107	5.110	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	47320	5.020	ug/l	98
85) sec-Butylbenzene	13.17	105	54119	5.013	ug/l	100
86) p-Isopropyltoluene	13.28	119	47813	4.796	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	23595	4.648	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	23719	4.683	ug/l	94
89) n-Butylbenzene	13.61	91	41764	4.566	ug/l	99
90) Hexachloroethane	13.87	117	6692	4.644	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	23109	4.868	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3579	5.226	ug/l	90

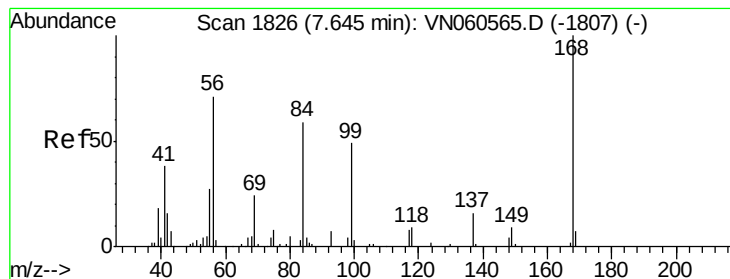
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
Data File : VN060563.D
Acq On : 17 Mar 2020 18:27
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Sample : VSTDICC005
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDICC005

Quant Time: Mar 18 08:04:51 2020
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	13000	3.891	ug/l	99
94) Hexachlorobutadiene	15.01	225	6959	4.387	ug/l	99
95) Naphthalene	15.13	128	37527	3.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	12722	4.046	ug/l	97

(#) = 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: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

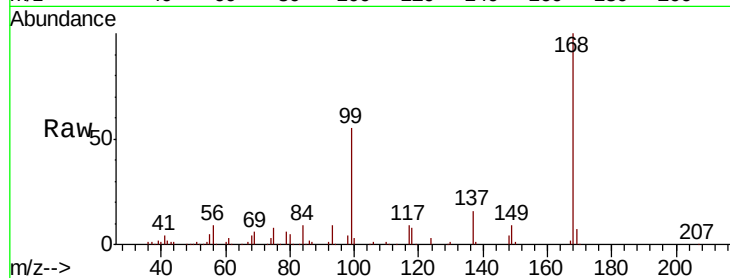
VSTDIC005

Tot Ion:168 Resp: 218498

Ion Ratio Lower Upper

168 100

99 55.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)

7.64

100000

80000

60000

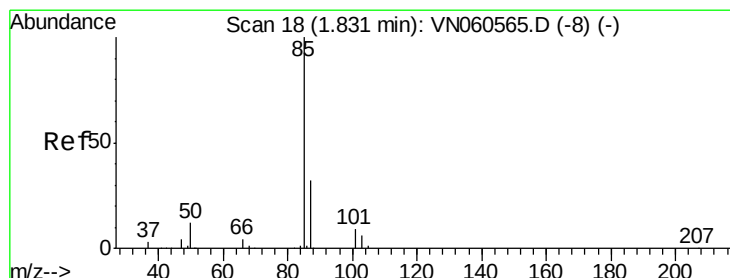
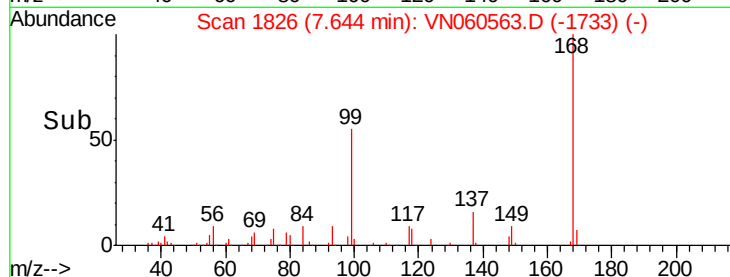
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.685 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060563.D

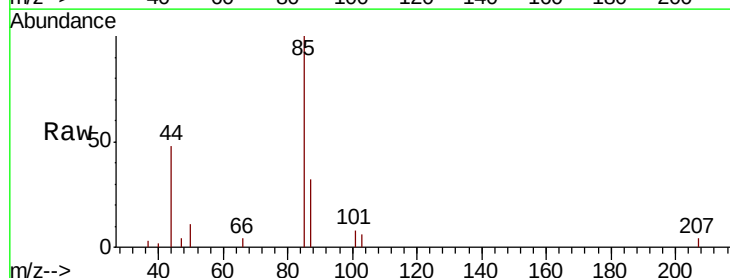
Acq: 17 Mar 2020 18:27

Tgt Ion: 85 Resp: 9579

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060565.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN060565.D (-8) (-)

1.83

8000

6000

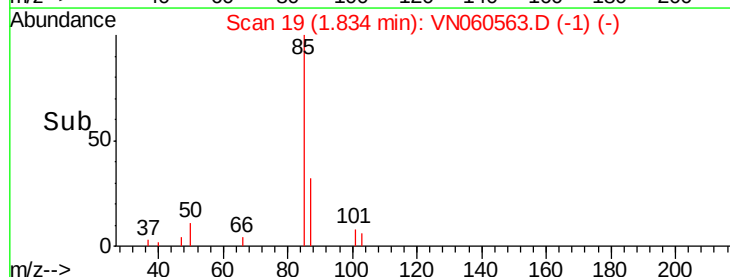
4000

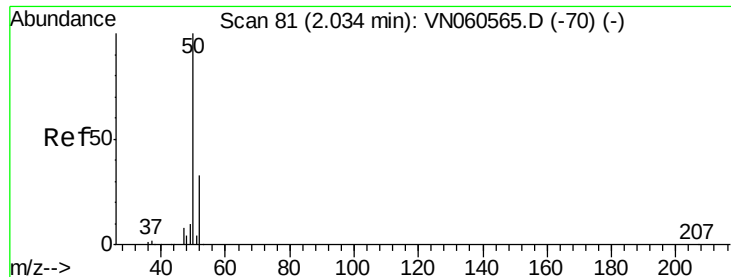
2000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 5.486 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

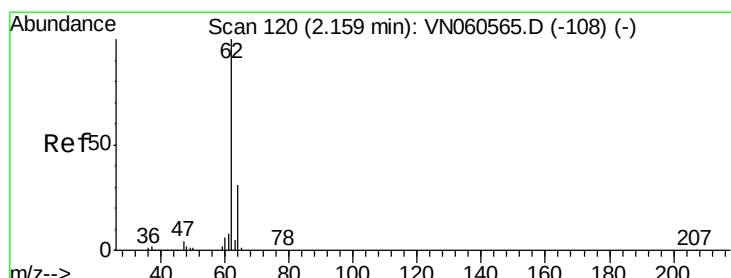
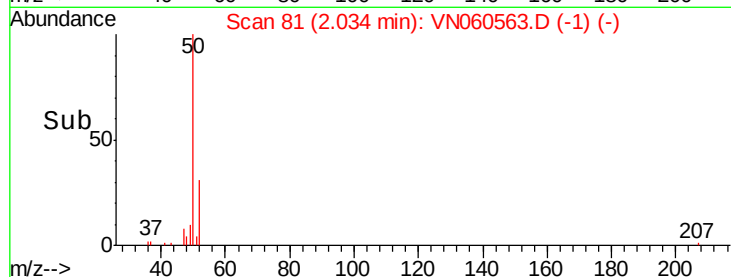
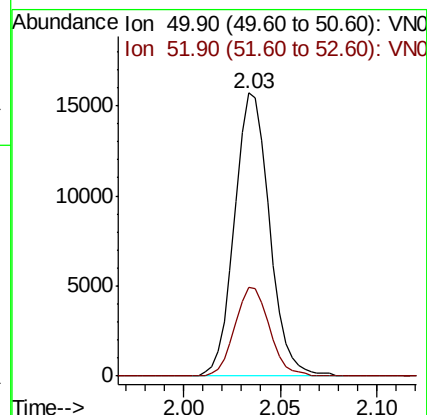
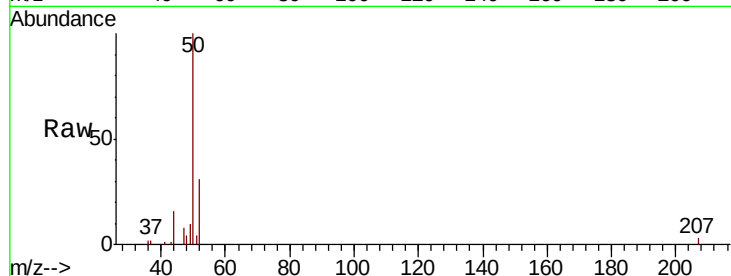
VSTDIC005

Tot Ion: 50 Resp: 19726

Ion Ratio Lower Upper

50 100

52 31.2 26.2 39.2



#4

Vinyl Chloride

Concen: 4.966 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060563.D

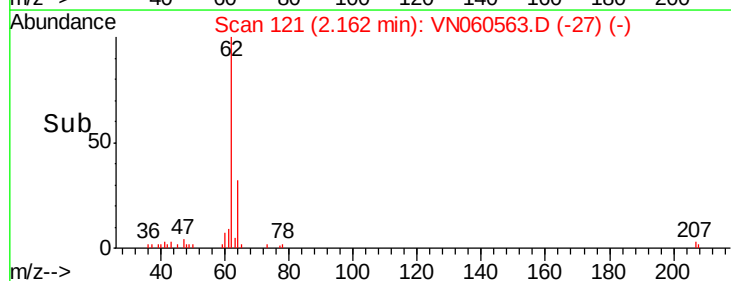
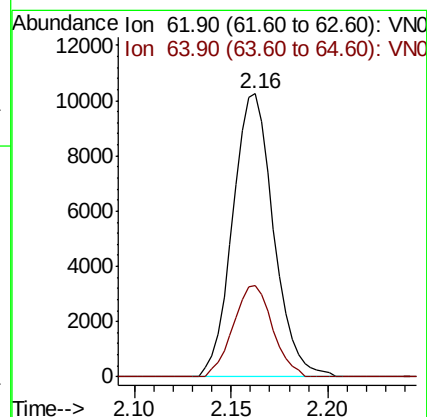
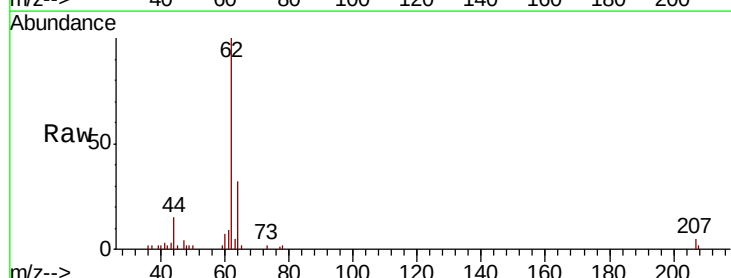
Acq: 17 Mar 2020 18:27

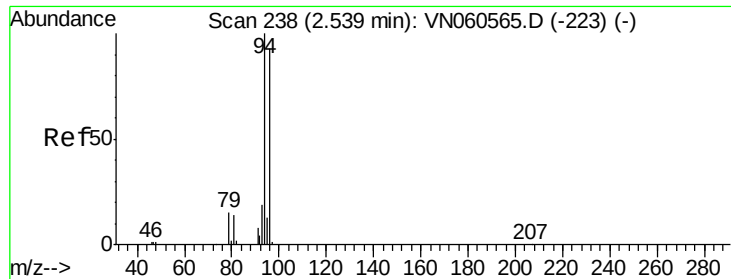
Tgt Ion: 62 Resp: 15065

Ion Ratio Lower Upper

62 100

64 32.3 24.7 37.1





#5

Bromomethane

Concen: 4.859 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

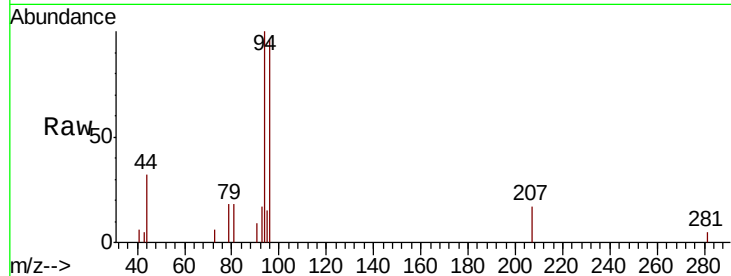
VSTDIC005

Tot Ion: 94 Resp: 6518

Ion Ratio Lower Upper

94 100

96 95.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN060563.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060563.D (-145) (-)

2.54

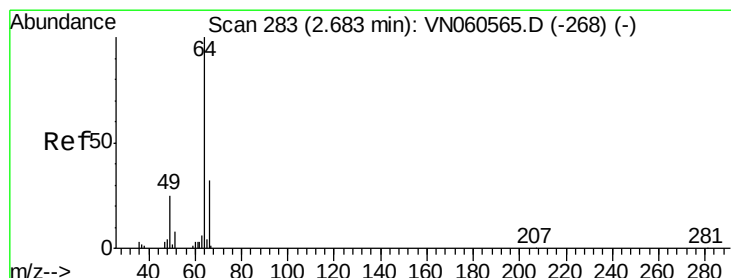
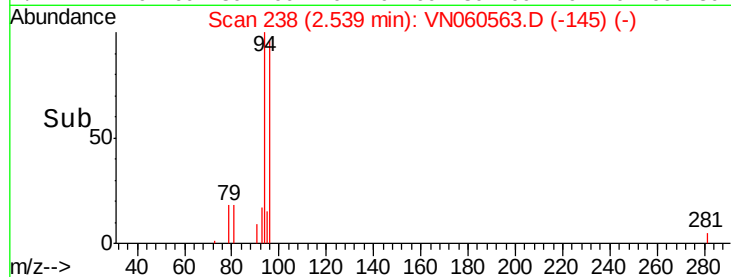
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 5.313 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060563.D

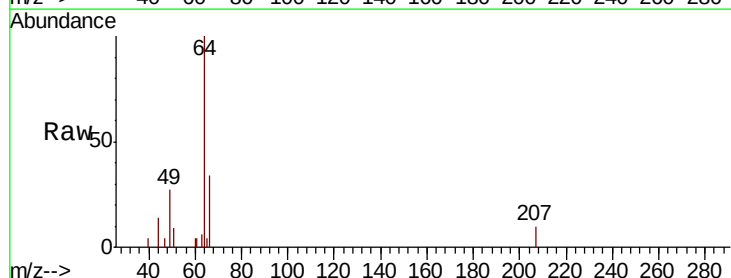
Acq: 17 Mar 2020 18:27

Tgt Ion: 64 Resp: 8888

Ion Ratio Lower Upper

64 100

66 33.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060563.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060563.D (-190) (-)

2.68

5000

4000

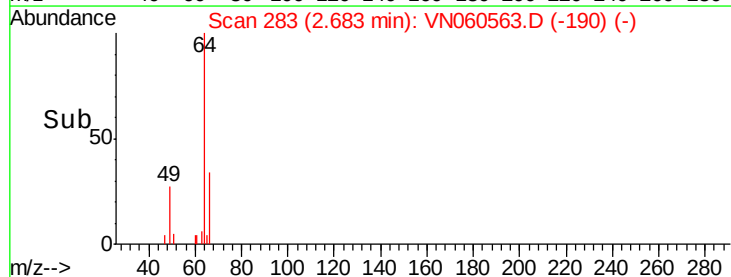
3000

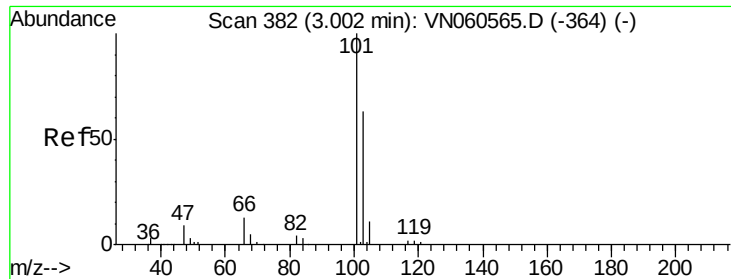
2000

1000

0

Time-->



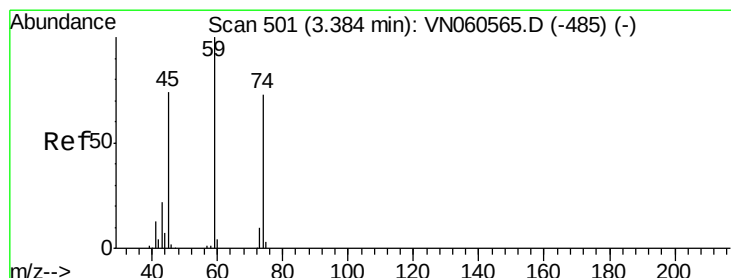
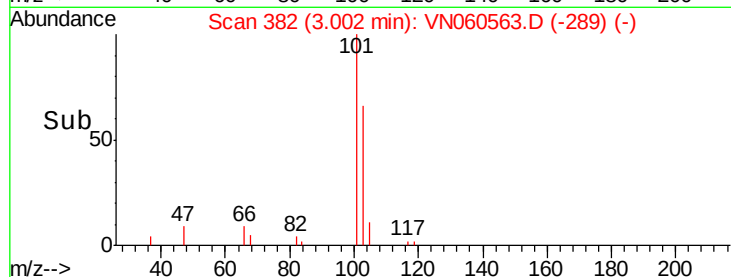
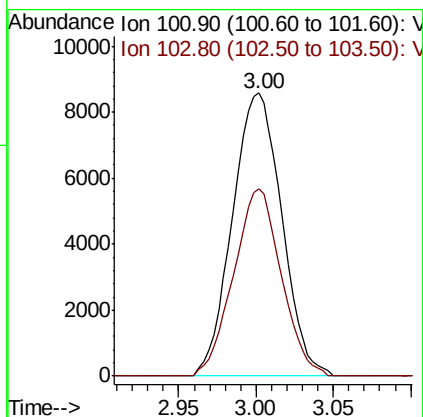
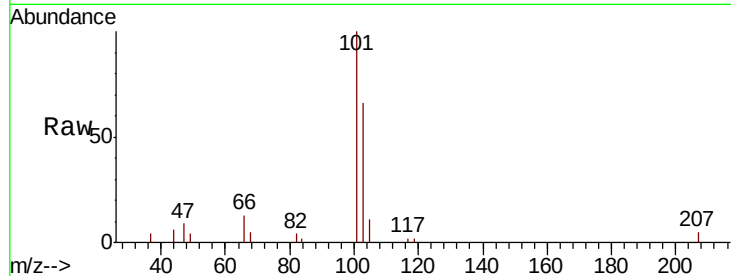


#7

Trichlorofluoromethane
 Concen: 4.932 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

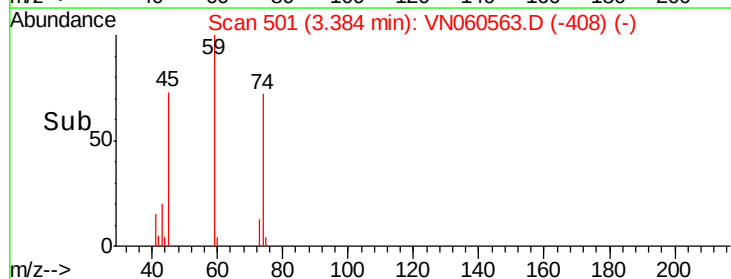
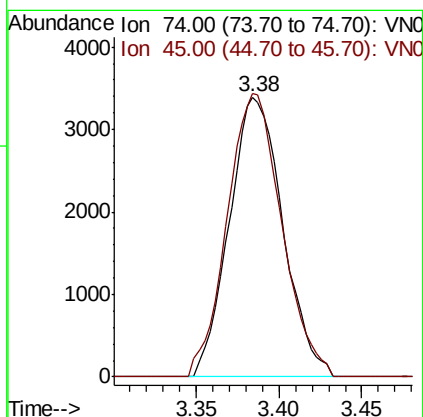
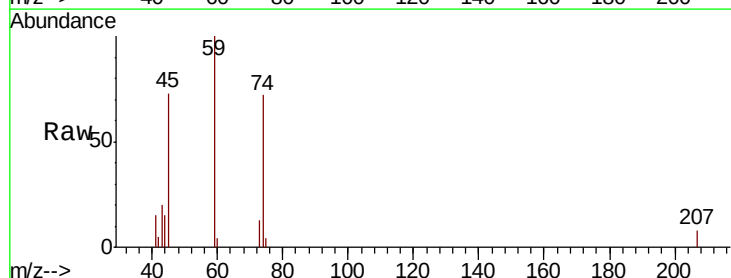
Tot Ion:101 Resp: 18993
 Ion Ratio Lower Upper
 101 100
 103 66.0 50.6 76.0

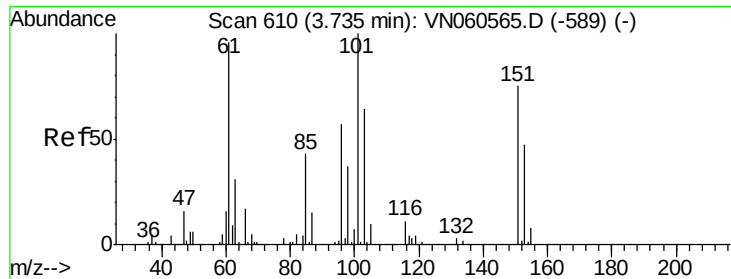


#8

Diethyl Ether
 Concen: 5.179 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion: 74 Resp: 7610
 Ion Ratio Lower Upper
 74 100
 45 103.1 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.075 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

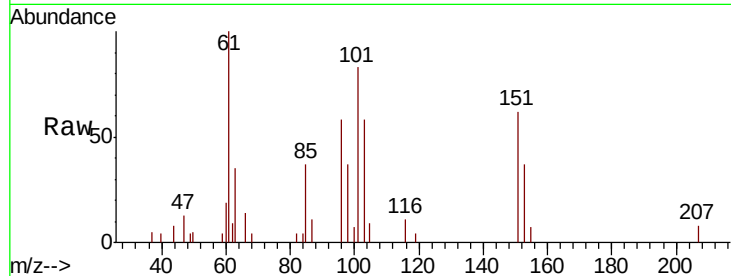
Tot Ion:101 Resp: 11093

Ion Ratio Lower Upper

101 100

85 45.4 35.6 53.4

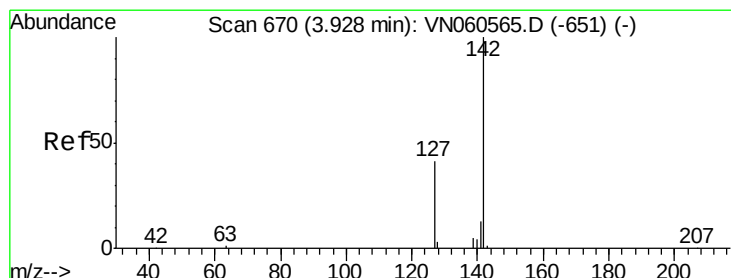
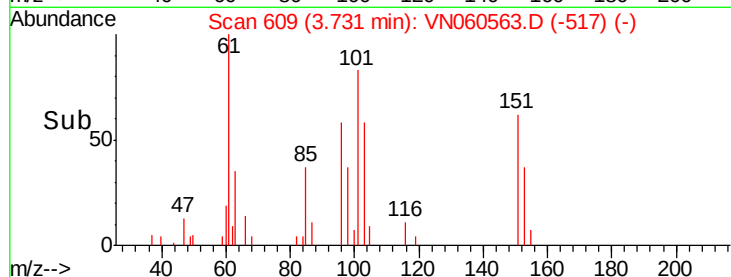
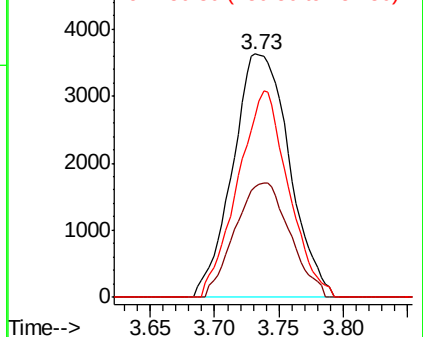
151 76.1 61.4 92.2



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: 4.324 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

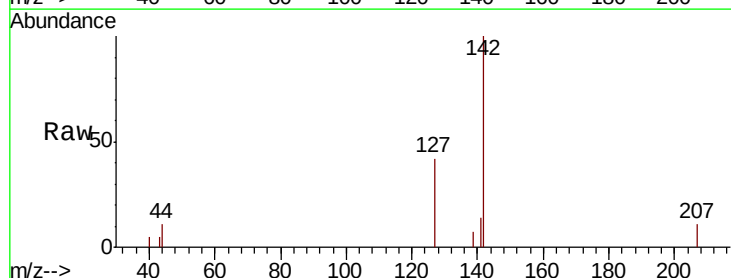
Tgt Ion:142 Resp: 8520

Ion Ratio Lower Upper

142 100

127 40.7 33.5 50.3

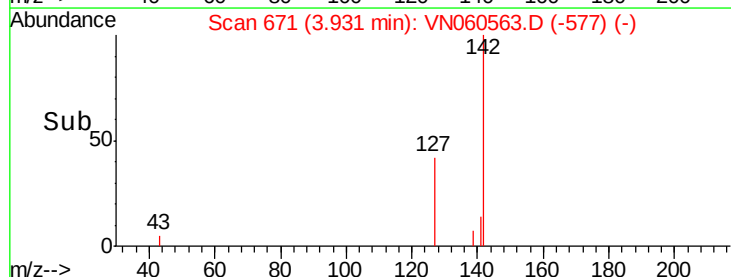
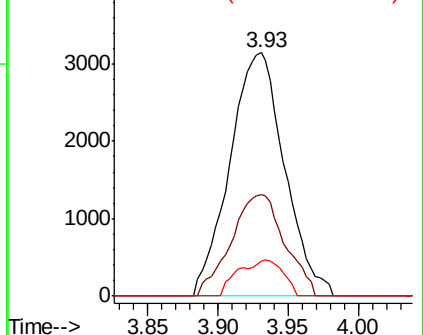
141 12.2 11.0 16.6

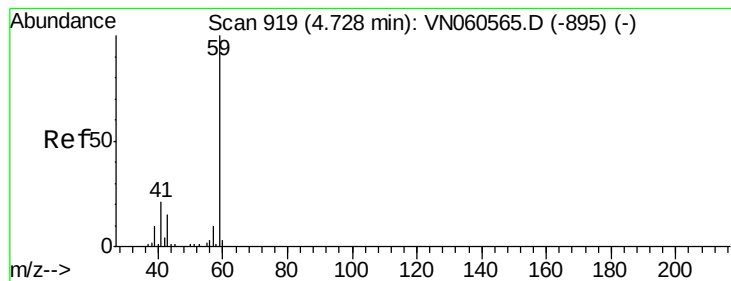


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 26.137 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.01 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

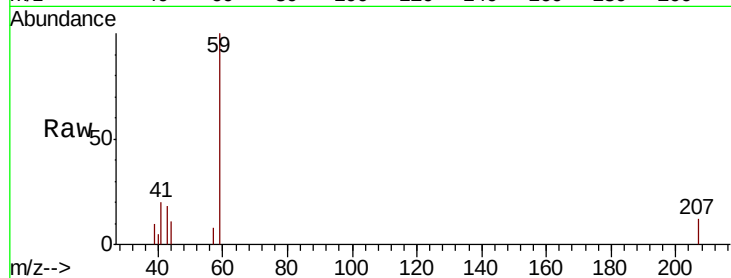
VSTDIC005

Tot Ion: 59 Resp: 10966

Ion Ratio Lower Upper

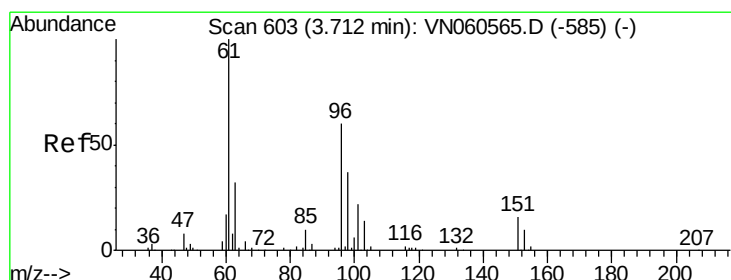
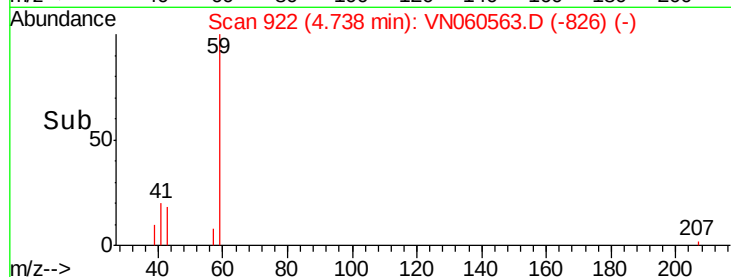
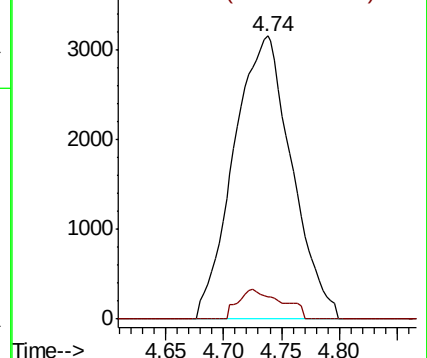
59 100

57 7.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN060563.D (-895) (-)

Ion 57.00 (56.70 to 57.70): VN060563.D (-895) (-)



#12

1,1-Dichloroethene

Concen: 5.014 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

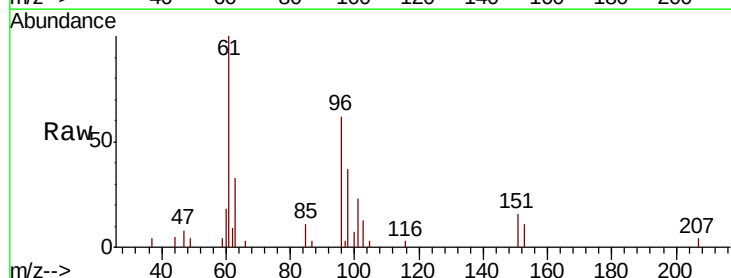
Tgt Ion: 96 Resp: 11723

Ion Ratio Lower Upper

96 100

61 162.4 134.1 201.1

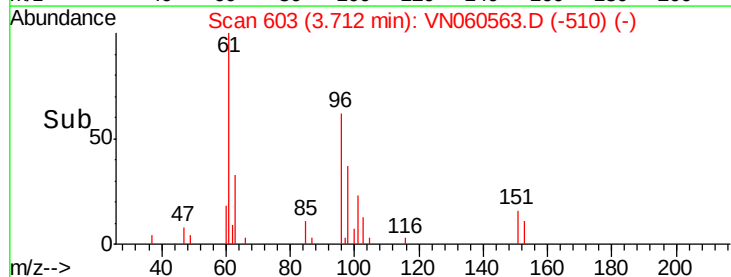
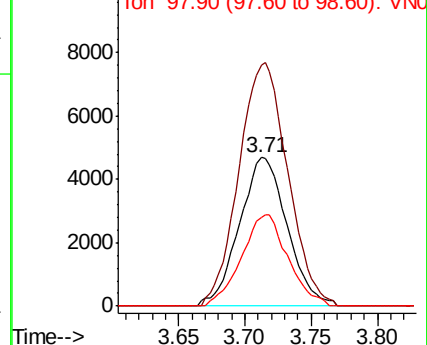
98 59.3 49.9 74.9

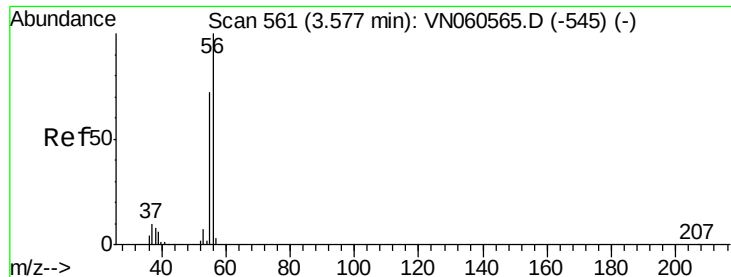


Abundance Ion 95.90 (95.60 to 96.60): VN060563.D (-510) (-)

Ion 60.90 (60.60 to 61.60): VN060563.D (-510) (-)

Ion 97.90 (97.60 to 98.60): VN060563.D (-510) (-)





#13

Acrolein

Concen: 28.842 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

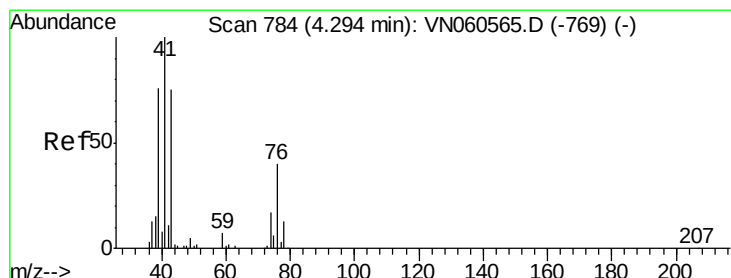
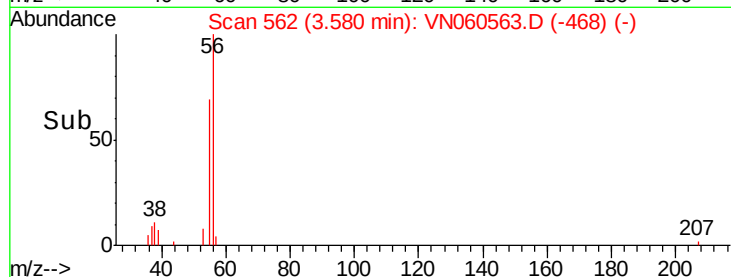
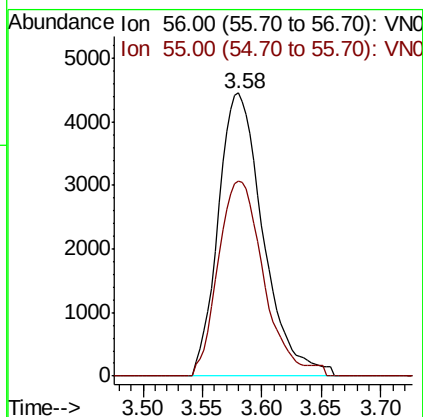
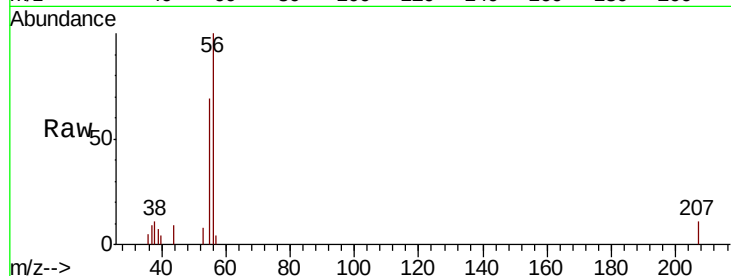
VSTDIC005

Tot Ion: 56 Resp: 11637

Ion Ratio Lower Upper

56 100

55 69.0 56.7 85.1



#14

Allyl chloride

Concen: 5.450 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

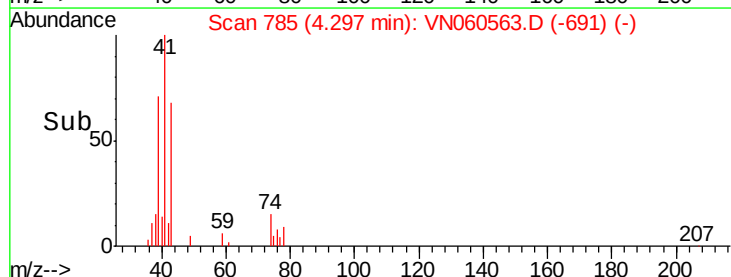
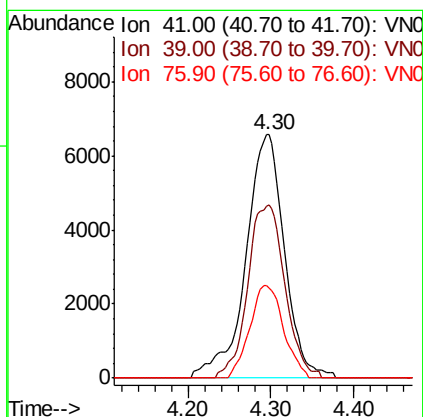
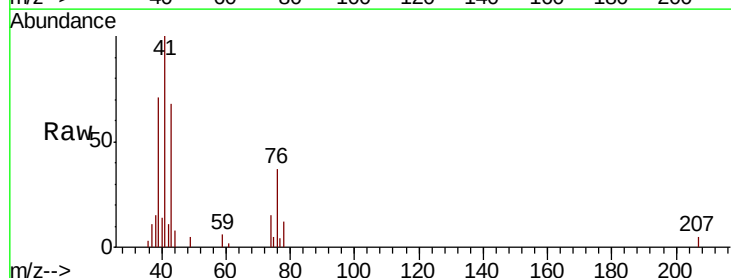
Tgt Ion: 41 Resp: 21282

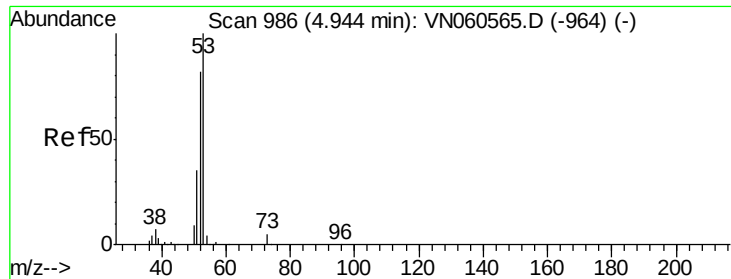
Ion Ratio Lower Upper

41 100

39 68.4 57.8 86.8

76 33.1 28.6 43.0





#15

Acrylonitrile

Concen: 28.013 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

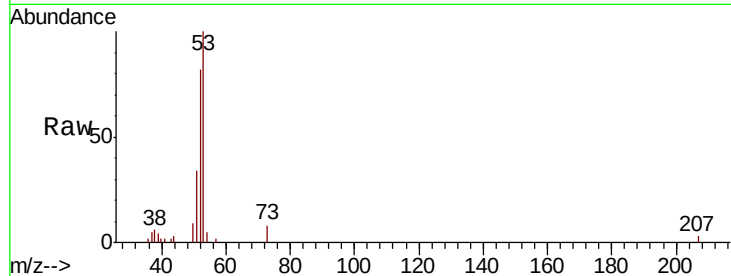
Tot Ion: 53 Resp: 31650

Ion Ratio Lower Upper

53 100

52 79.7 66.2 99.4

51 35.7 28.7 43.1

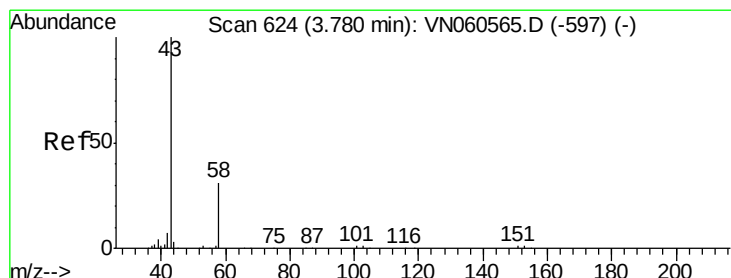
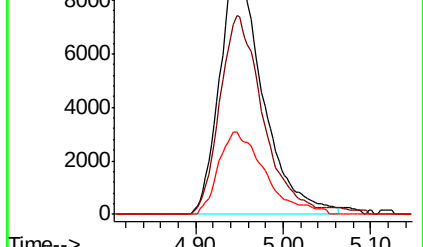
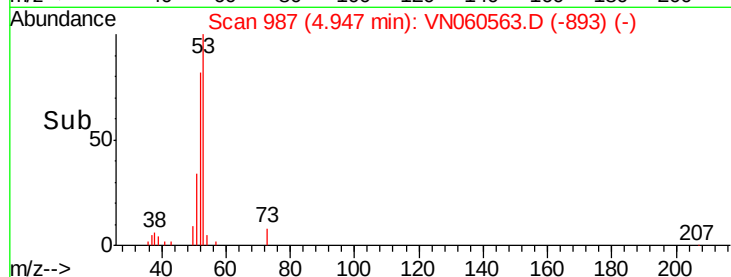


Abundance Ion 53.00 (52.70 to 53.70): VN060565.D (-964) (-)

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

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

Time-->



#16

Acetone

Concen: 28.141 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060563.D

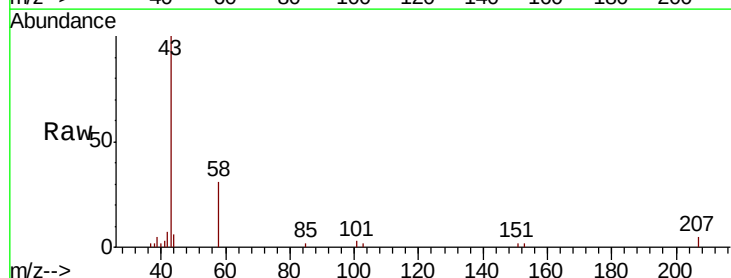
Acq: 17 Mar 2020 18:27

Tgt Ion: 43 Resp: 26290

Ion Ratio Lower Upper

43 100

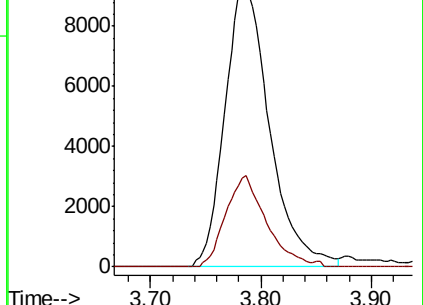
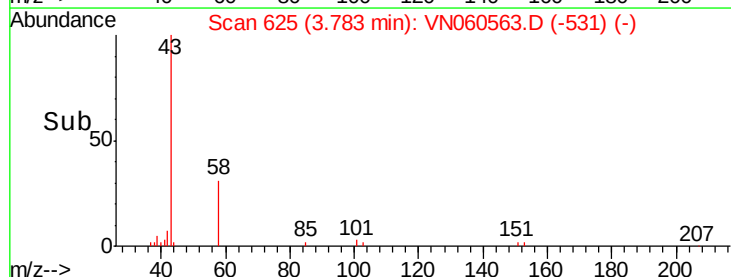
58 31.4 25.1 37.7

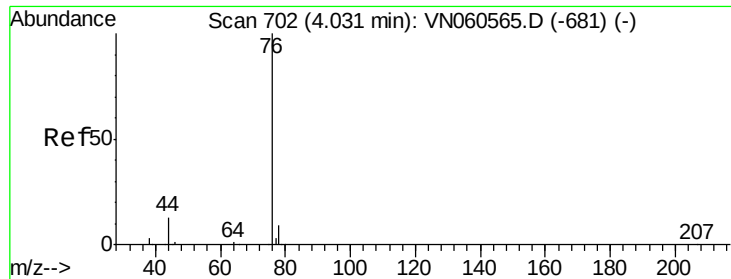


Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

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

Time-->





#17

Carbon Disulfide

Concen: 5.221 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampled :

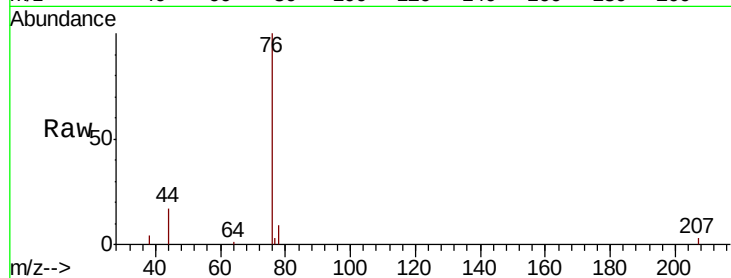
VSTDIC005

Tot Ion: 76 Resp: 35356

Ion Ratio Lower Upper

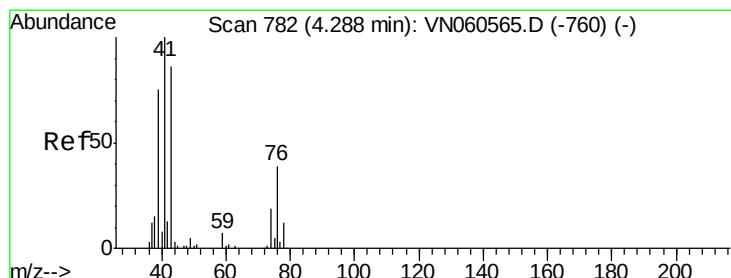
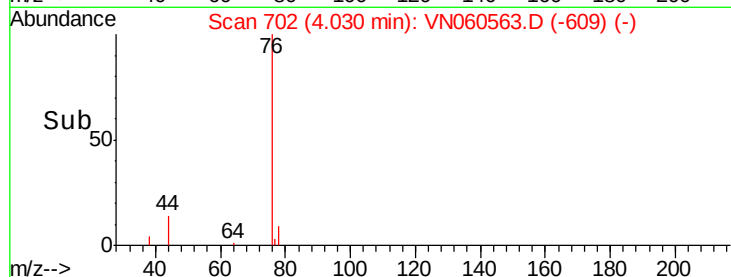
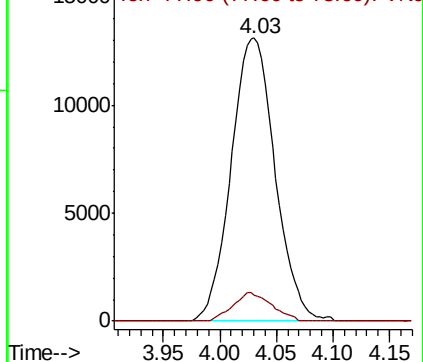
76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060563.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060563.D (-609) (-)



#18

Methyl Acetate

Concen: 4.780 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN060563.D

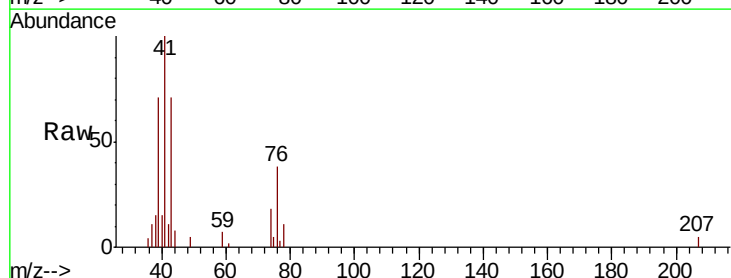
Acq: 17 Mar 2020 18:27

Tgt Ion: 43 Resp: 14632

Ion Ratio Lower Upper

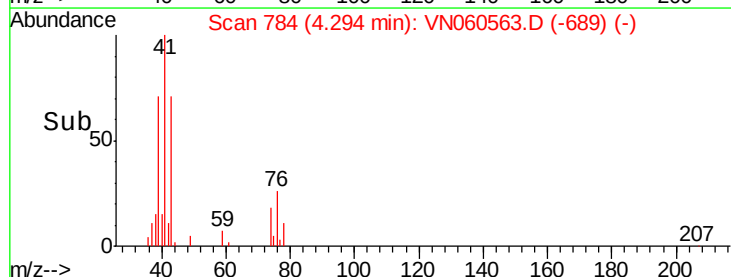
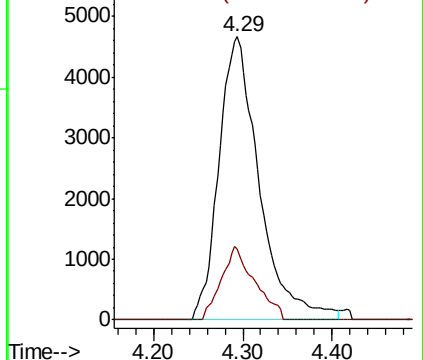
43 100

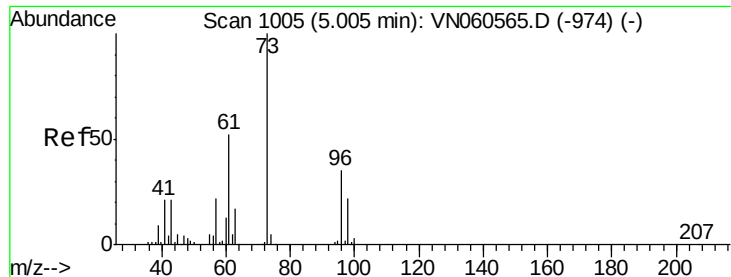
74 21.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060563.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060563.D (-689) (-)

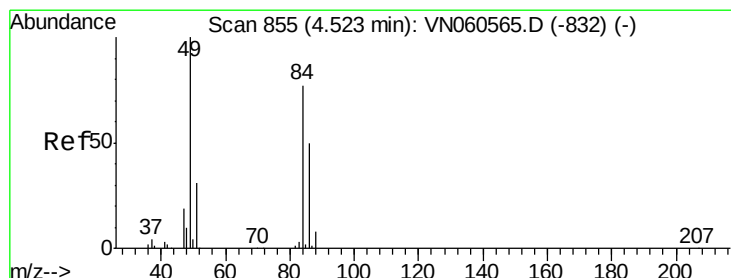
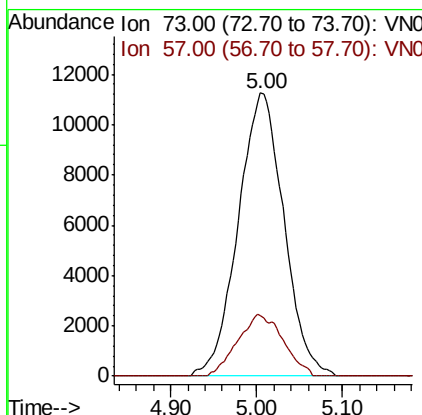
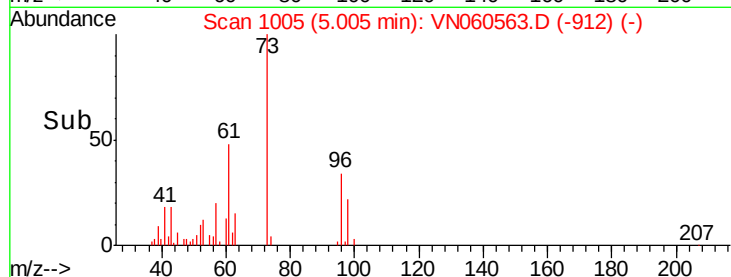
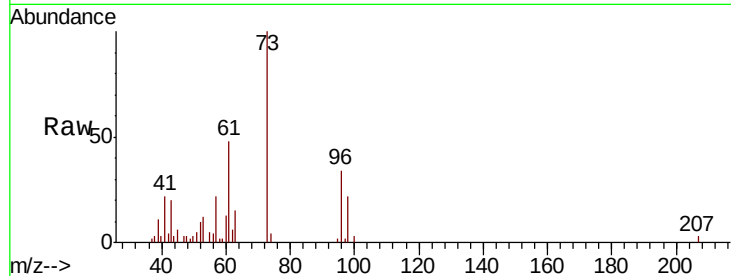




#19
Methvl tert-butvl Ether
Concen: 5.375 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

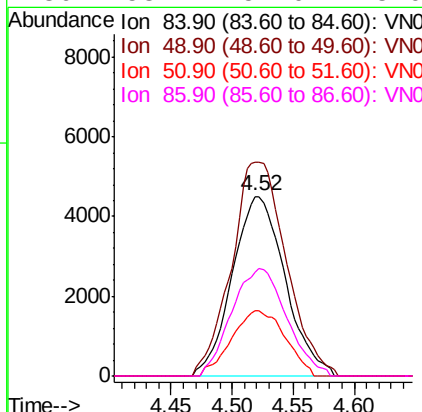
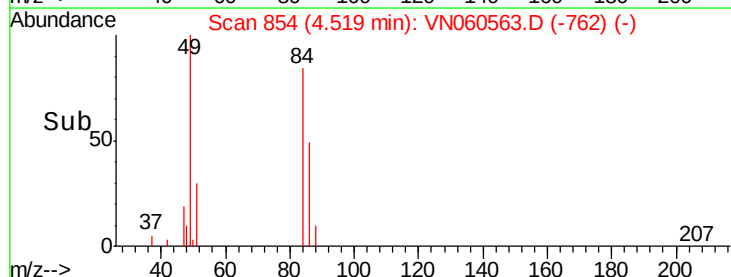
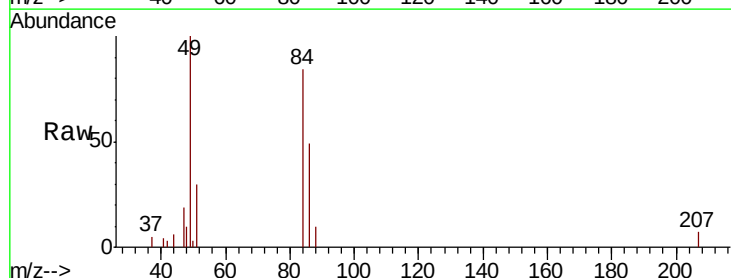
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

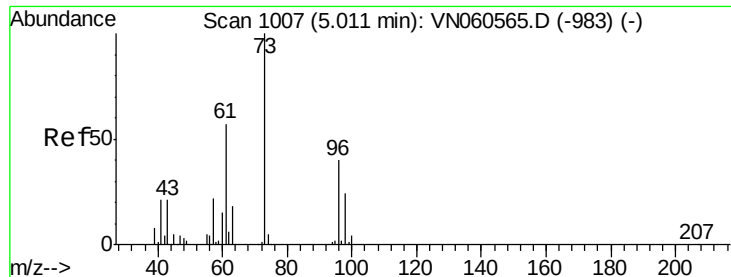
Tot Ion: 73 Resp: 41541
Ion Ratio Lower Upper
73 100
57 21.6 17.5 26.3



#20
Methylene Chloride
Concen: 5.329 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 84 Resp: 13502
Ion Ratio Lower Upper
84 100
49 119.2 103.3 154.9
51 36.3 31.6 47.4
86 58.1 52.0 78.0

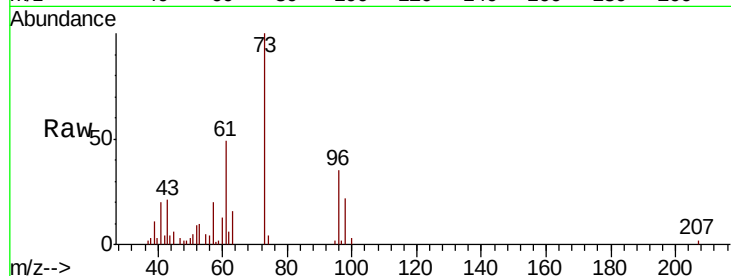




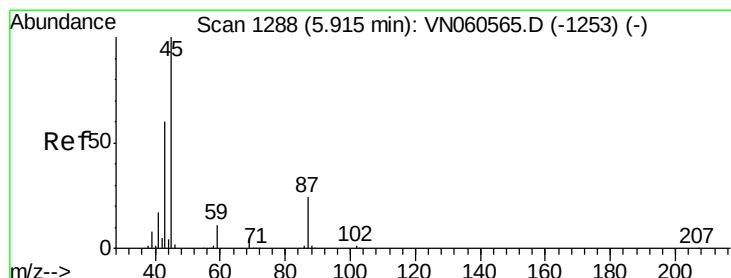
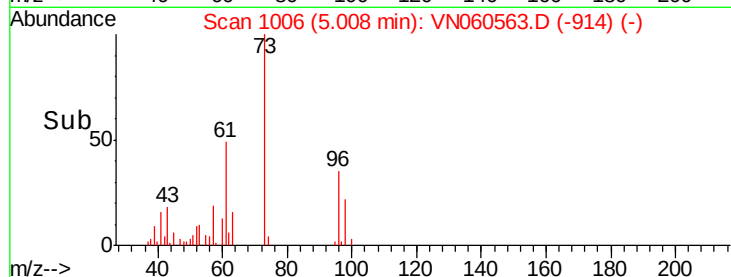
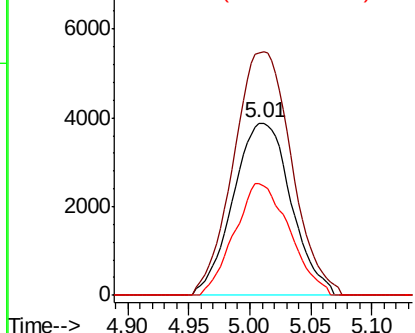
#21
trans-1,2-Dichloroethene
Concen: 4.832 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 12784
Ion Ratio Lower Upper
96 100
61 141.0 114.4 171.6
98 64.9 48.4 72.6

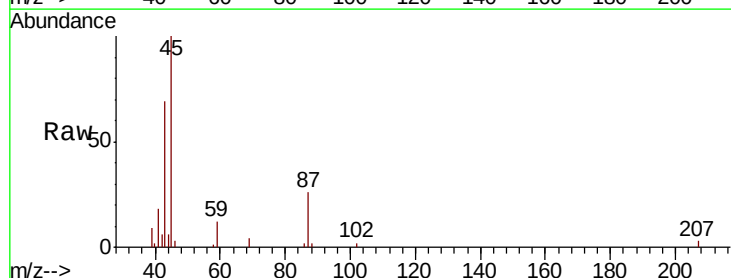


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

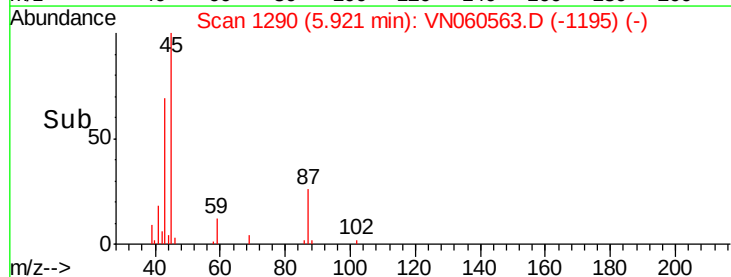
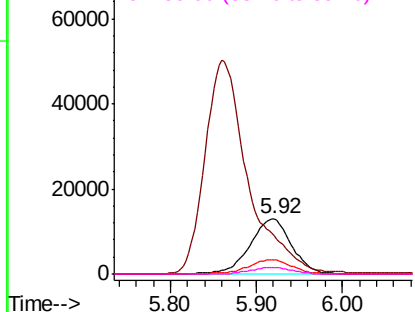


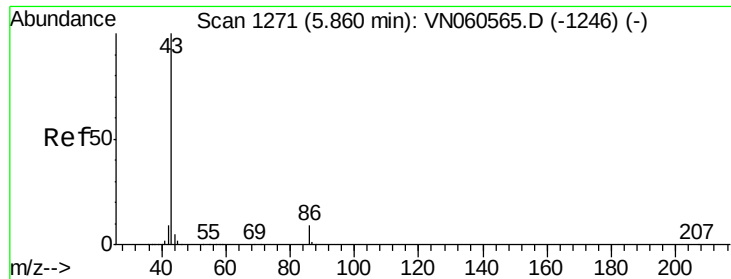
#22
Diisopropyl ether
Concen: 5.387 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.01 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 45 Resp: 43375
Ion Ratio Lower Upper
45 100
43 64.5 49.8 74.8
87 25.8 20.1 30.1
59 12.3 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

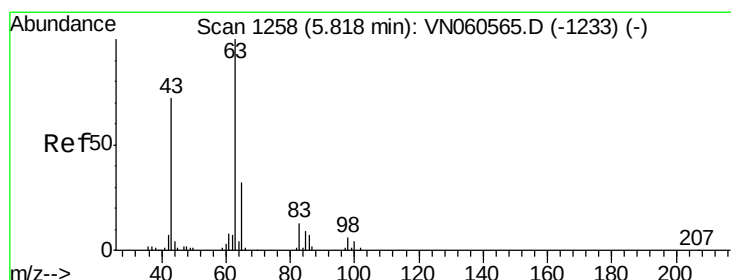
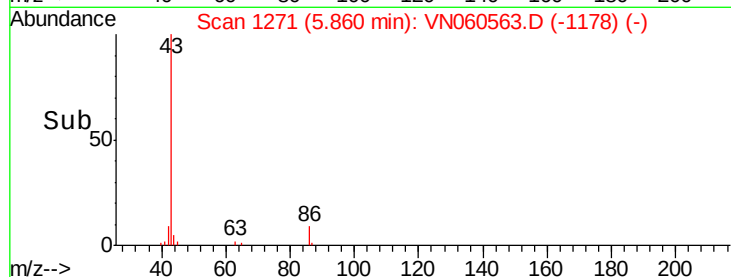
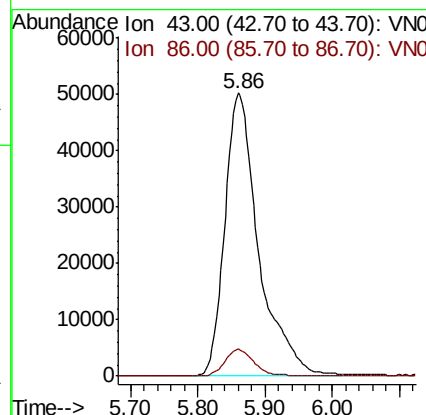
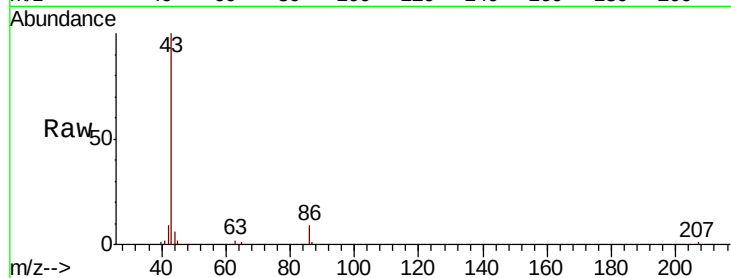




#23
 Vinyl Acetate
 Concen: 27.526 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

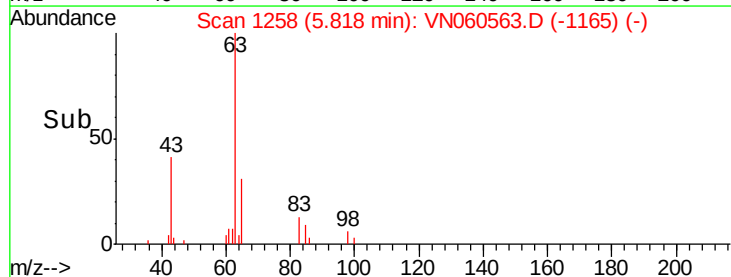
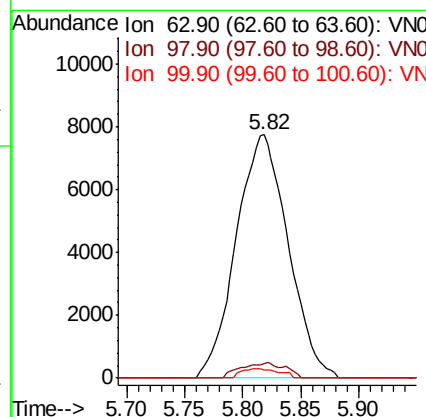
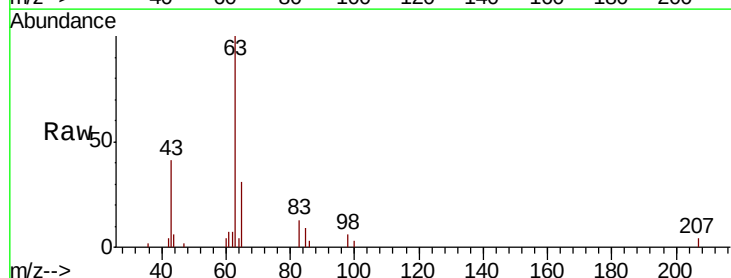
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

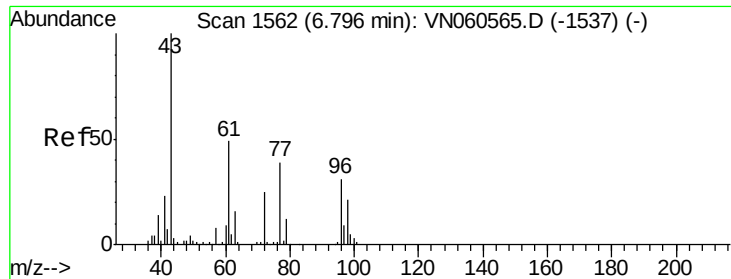
Tot Ion: 43 Resp: 176336
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 5.337 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion: 63 Resp: 24137
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.7
 100 3.5 1.8 5.5





#25

2-Butanone

Concen: 27.754 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

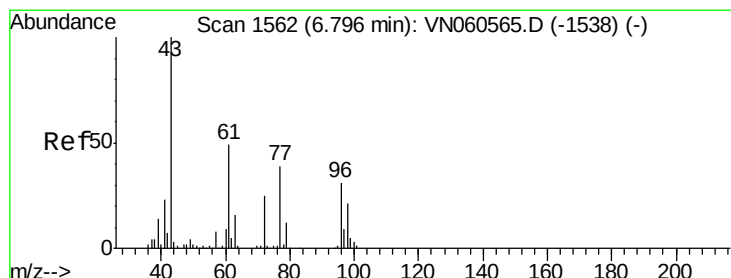
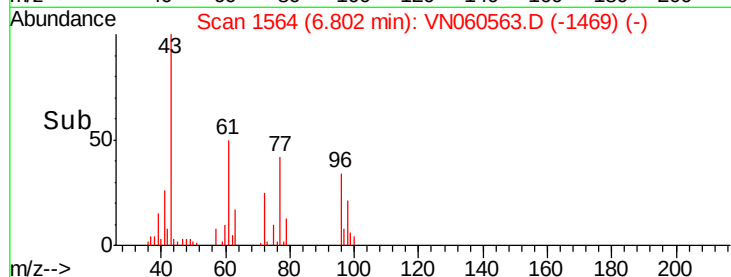
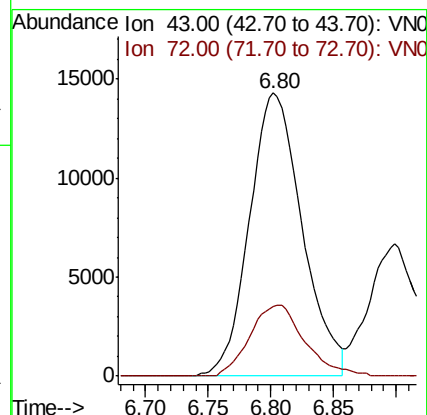
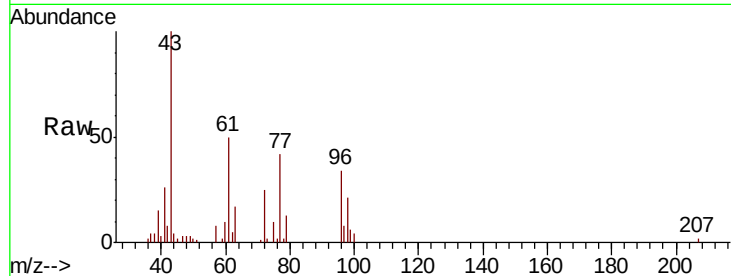
VSTDIC005

Tot Ion: 43 Resp: 41868

Ion Ratio Lower Upper

43 100

72 24.5 20.4 30.6



#26

2,2-Dichloropropane

Concen: 4.900 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060563.D

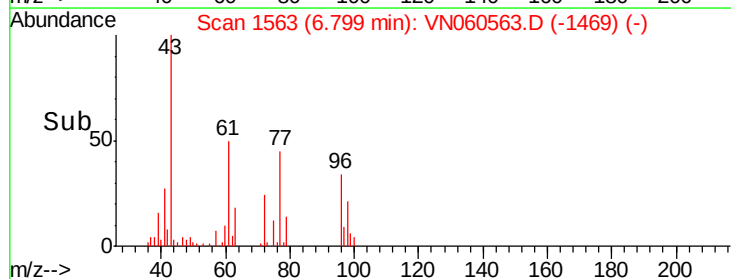
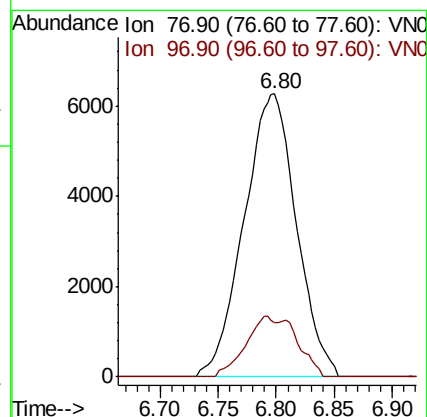
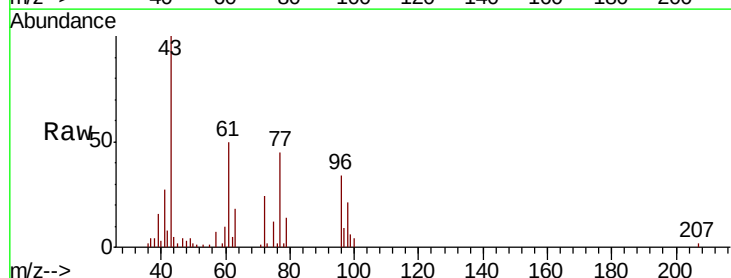
Acq: 17 Mar 2020 18:27

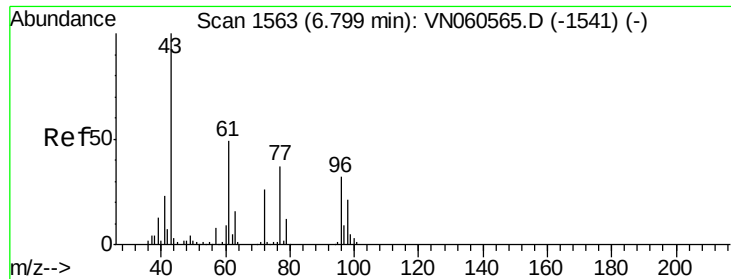
Tgt Ion: 77 Resp: 19659

Ion Ratio Lower Upper

77 100

97 13.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 4.911 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

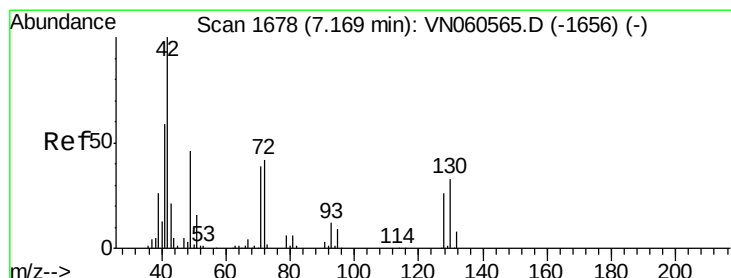
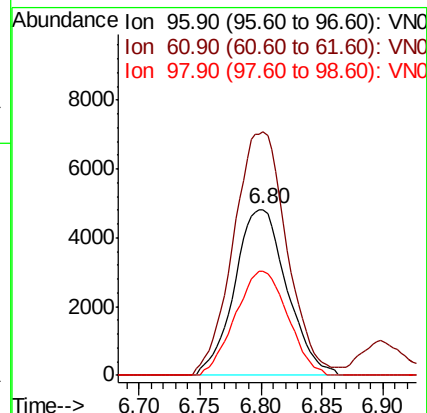
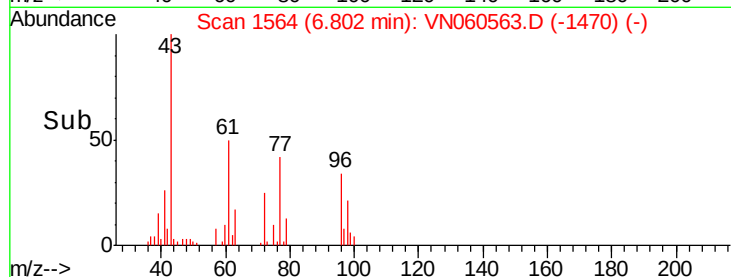
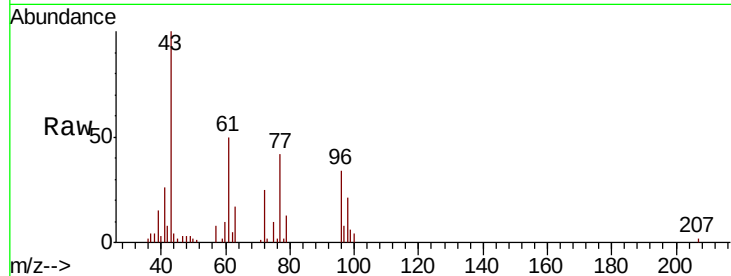
Tot Ion: 96 Resp: 14335

Ion Ratio Lower Upper

96 100

61 150.1 0.0 305.6

98 62.7 0.0 127.6



#28

Bromochloromethane

Concen: 5.747 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

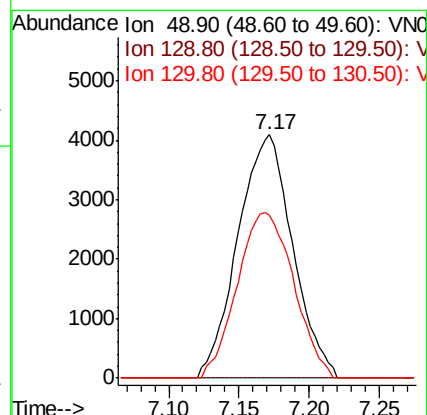
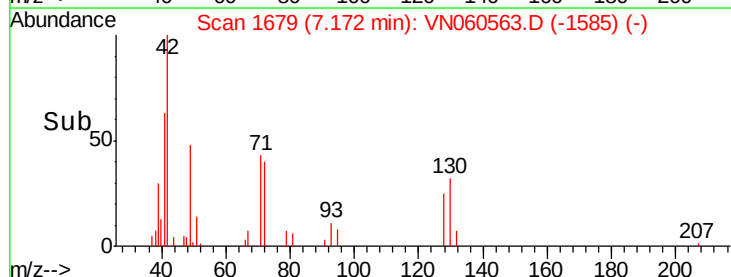
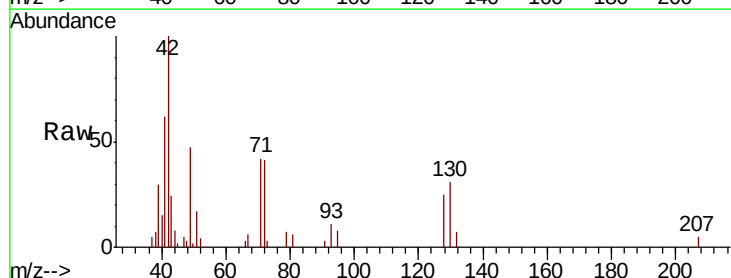
Tgt Ion: 49 Resp: 11107

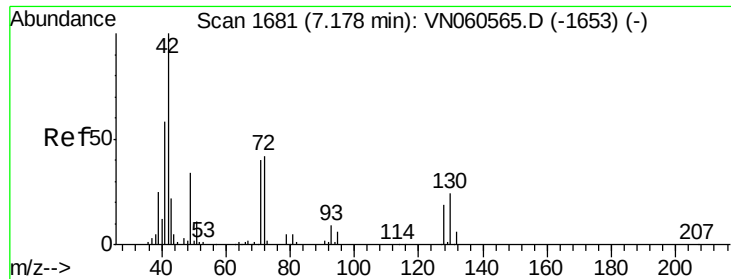
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 69.9 55.0 82.4

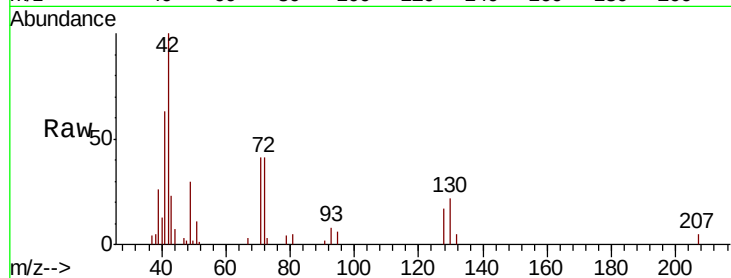




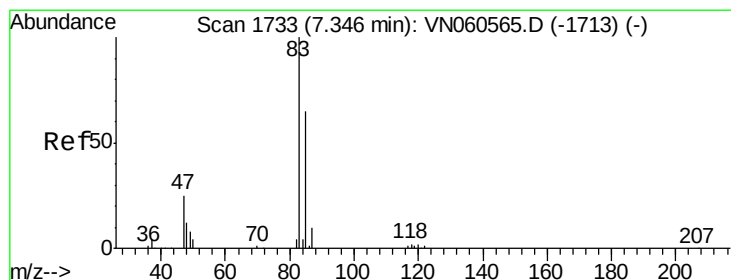
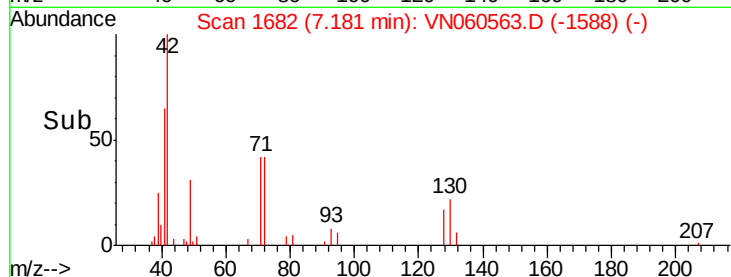
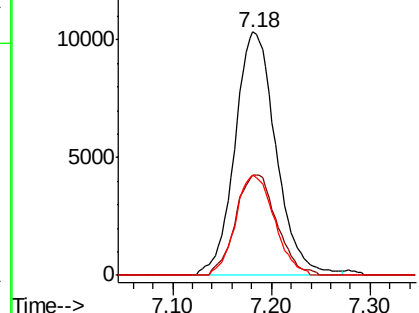
#29
Tetrahydrofuran
Concen: 28.488 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 42 Resp: 29977
Ion Ratio Lower Upper
42 100
72 41.1 33.2 49.8
71 38.6 31.1 46.7

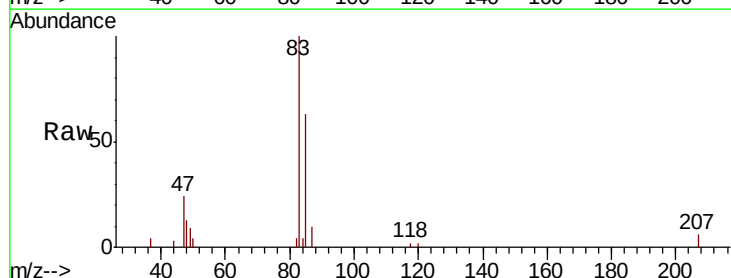


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

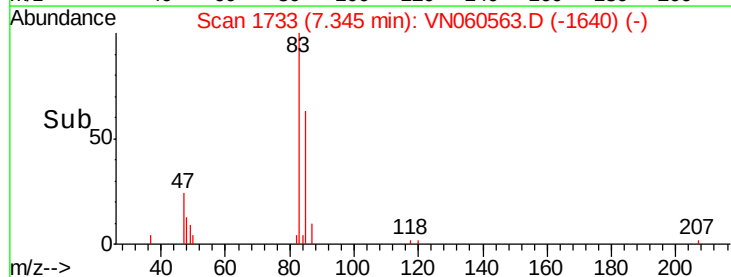
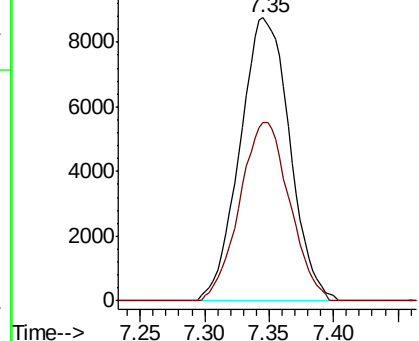


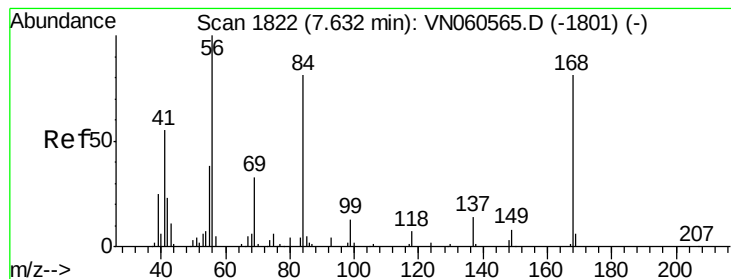
#30
Chloroform
Concen: 5.265 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 83 Resp: 23537
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 6.364 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

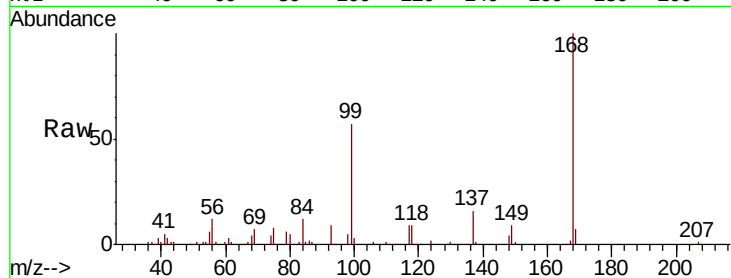
Tot Ion: 56 Resp: 27265

Ion Ratio Lower Upper

56 100

69 54.6 26.6 40.0#

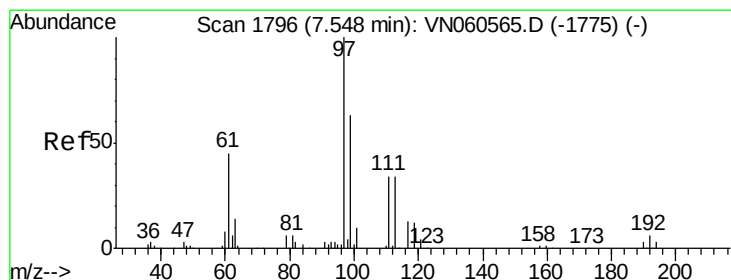
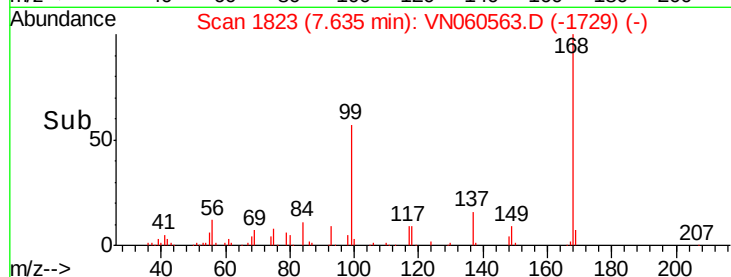
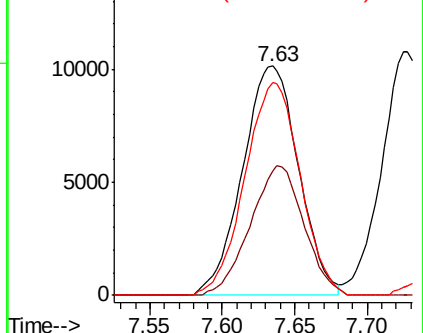
84 92.8 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060563.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060563.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060563.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 4.978 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

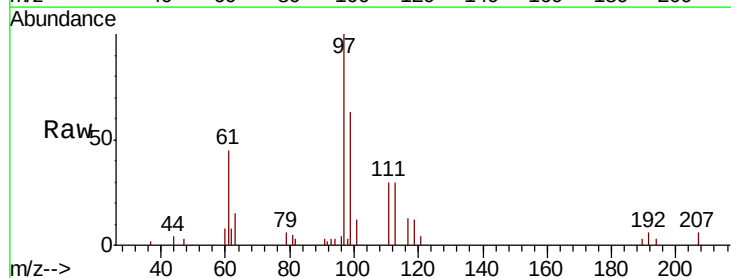
Tgt Ion: 97 Resp: 19687

Ion Ratio Lower Upper

97 100

99 65.4 50.6 75.8

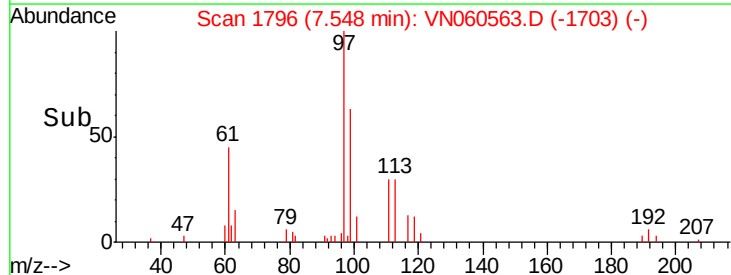
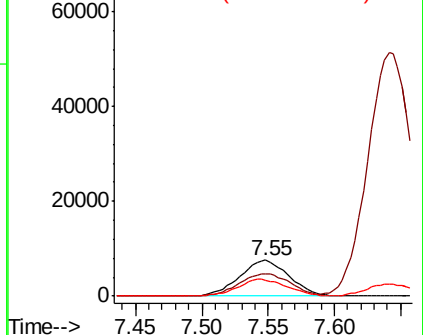
61 46.2 36.2 54.4

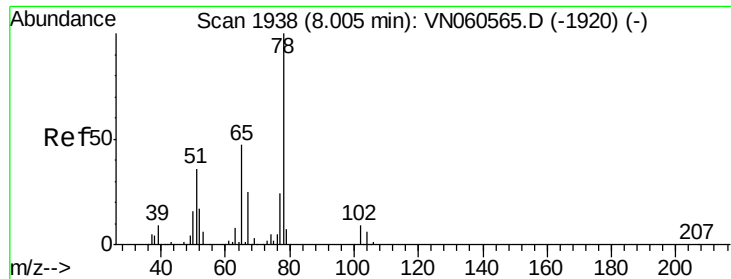


Abundance Ion 96.90 (96.60 to 97.60): VN060563.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060563.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060563.D (-1703) (-)

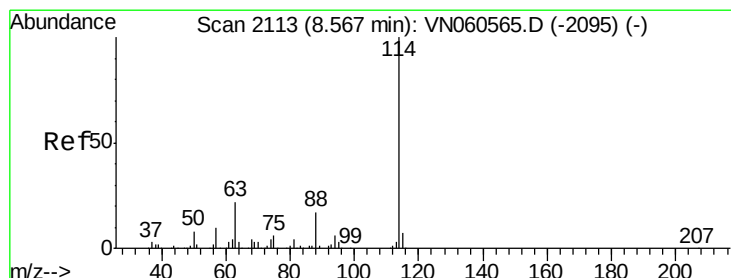
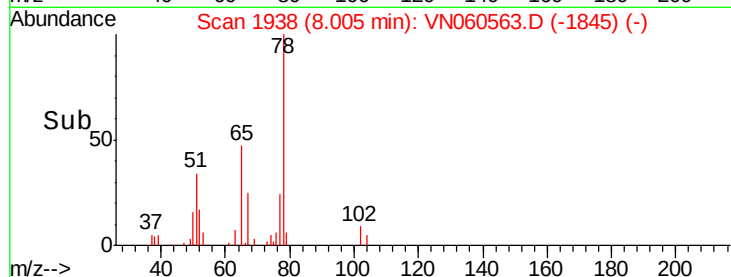
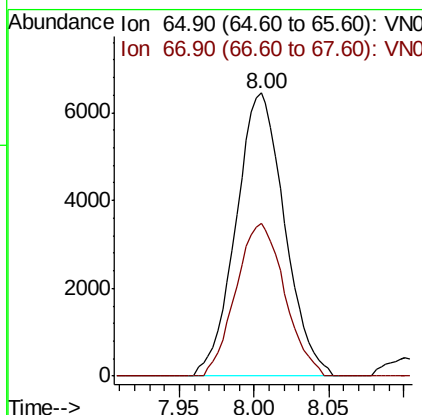
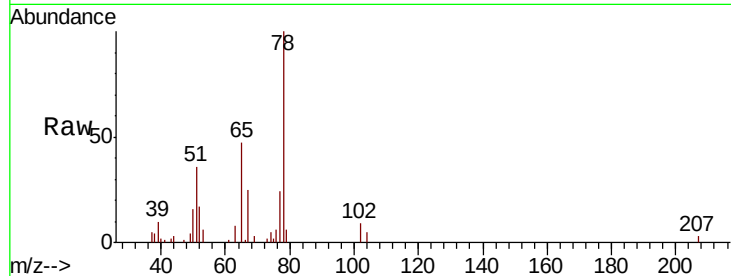




#33
 1,2-Dichloroethane-d4
 Concen: 5.078 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

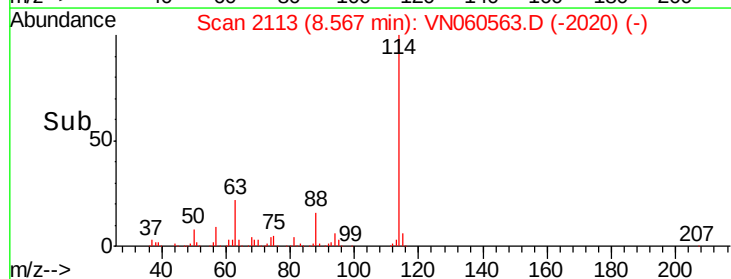
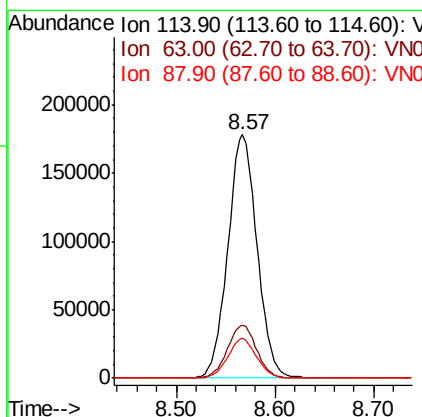
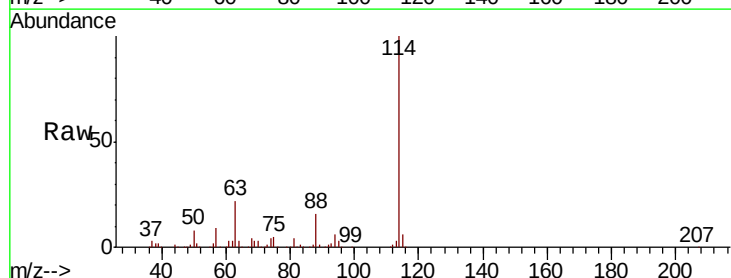
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

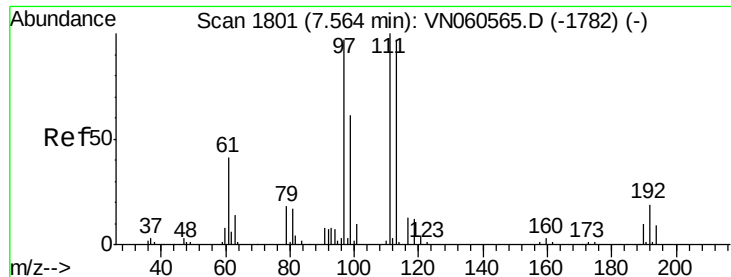
Tot Ion: 65 Resp: 14592
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion: 114 Resp: 367360
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.4 0.0 33.0

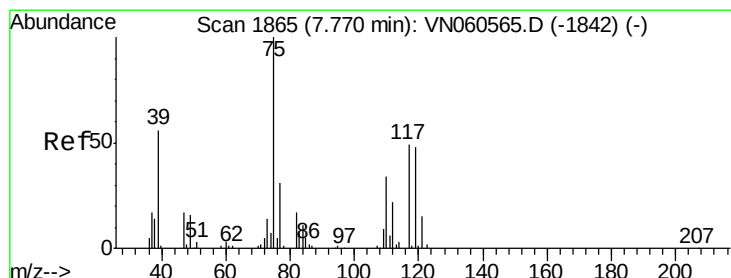
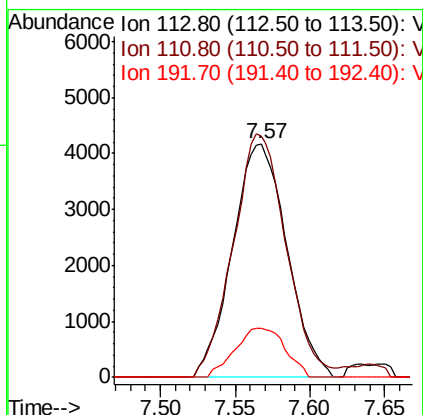
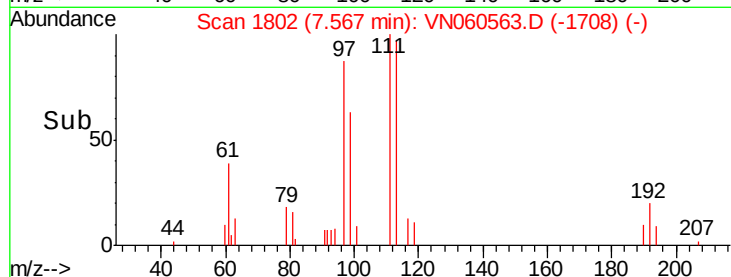
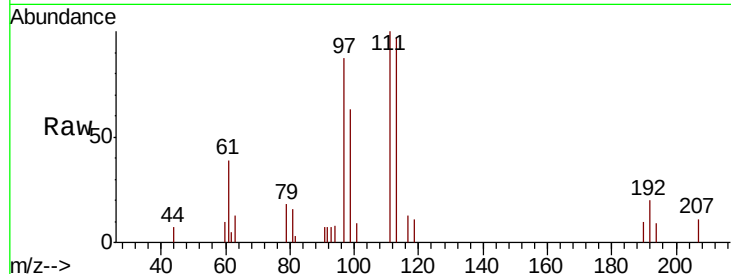




#35
 Dibromofluoromethane
 Concen: 5.801 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

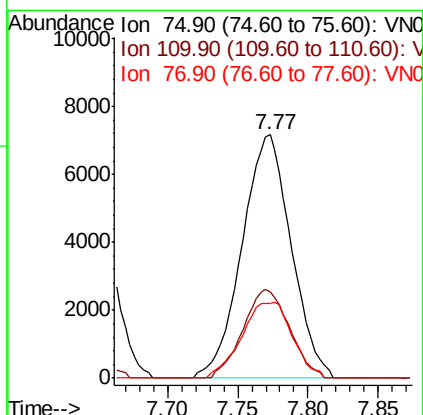
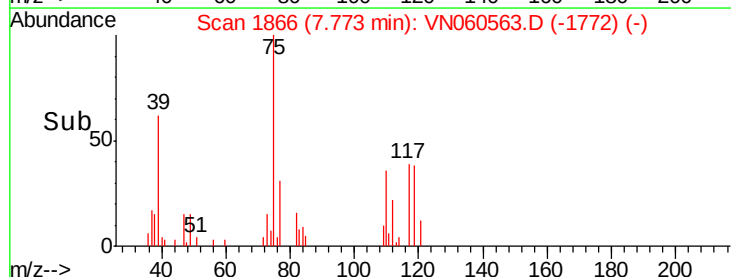
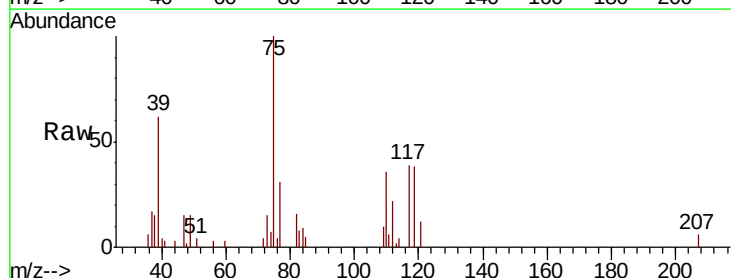
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

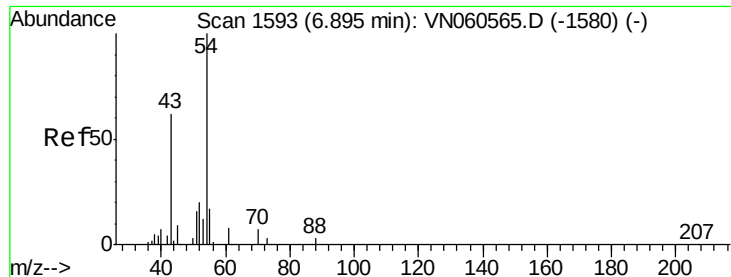
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.9	124.3
192	19.4	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	32.0	24.6	36.8

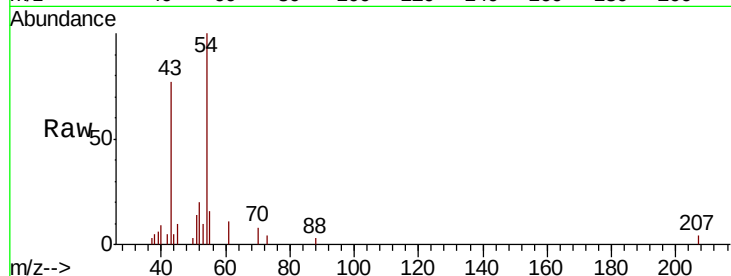




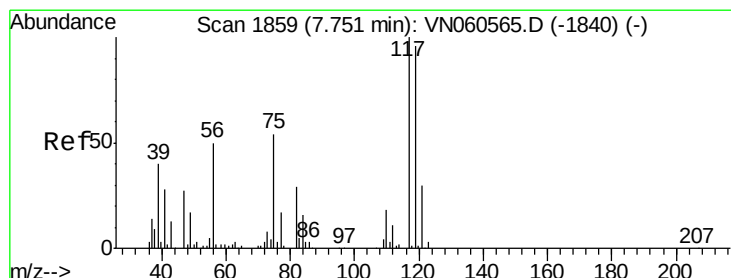
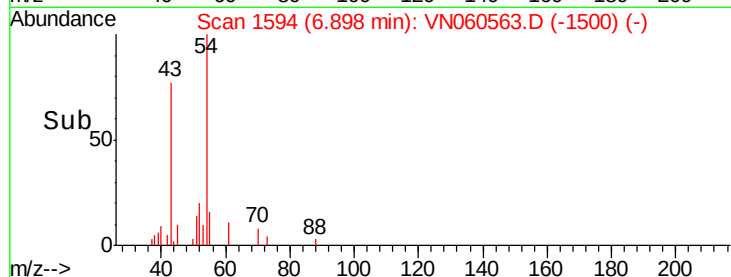
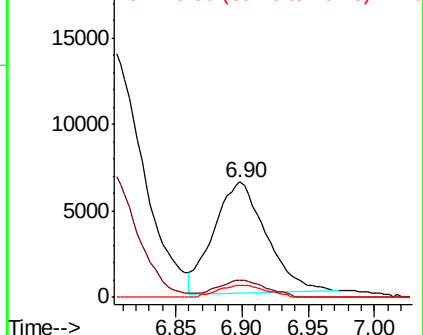
#37
Ethyl Acetate
Concen: 5.218 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 17715
Ion Ratio Lower Upper
43 100
61 14.3 10.6 15.8
70 9.8 7.9 11.9

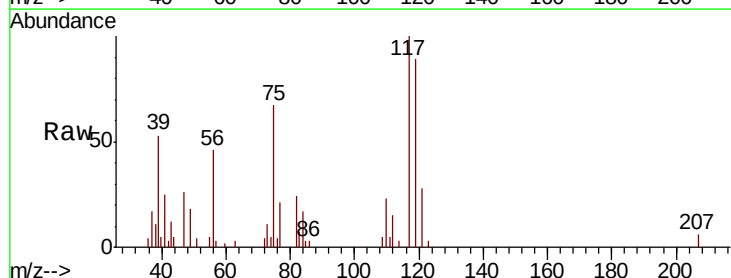


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

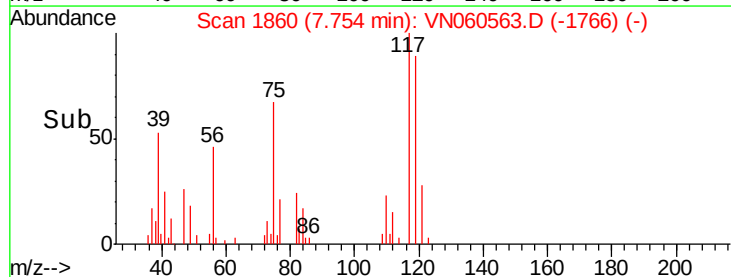
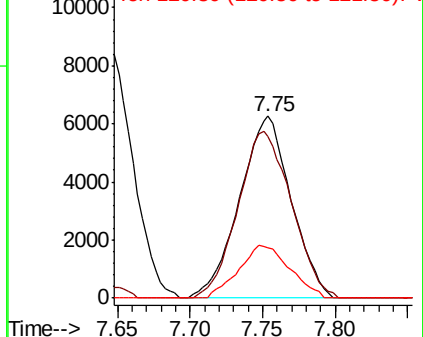


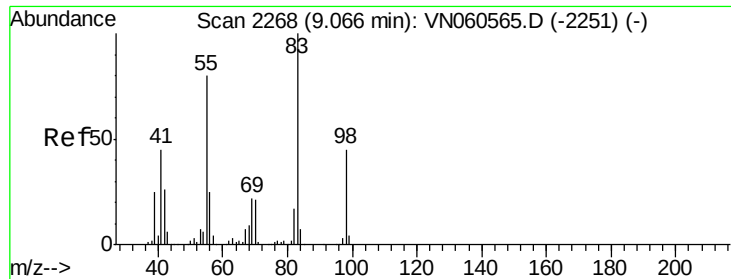
#38
Carbon Tetrachloride
Concen: 4.557 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 117 Resp: 15516
Ion Ratio Lower Upper
117 100
119 89.2 76.2 114.2
121 27.8 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

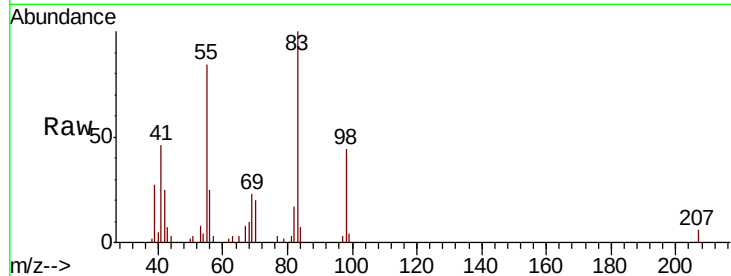




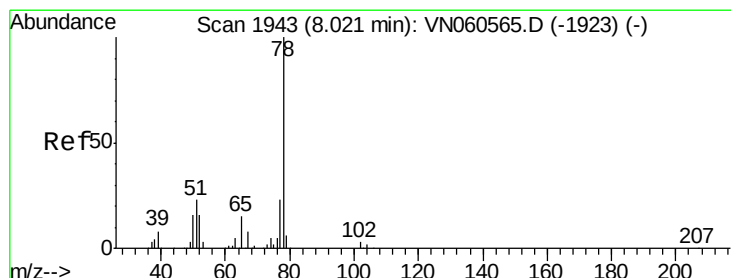
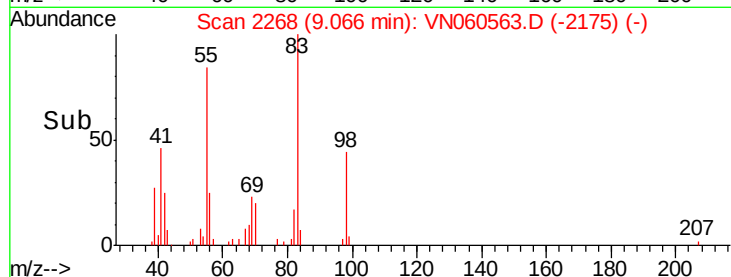
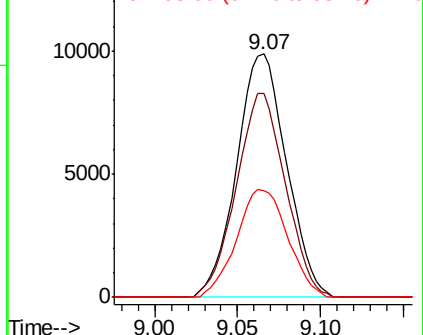
#39
Methylvlcyclohexane
Concen: 4.925 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 83 Resp: 20675
Ion Ratio Lower Upper
83 100
55 83.7 63.6 95.4
98 43.9 36.0 54.0

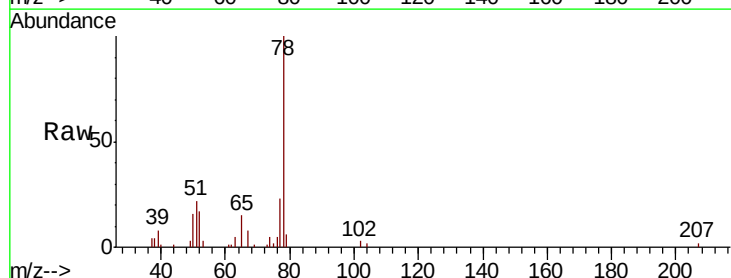


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

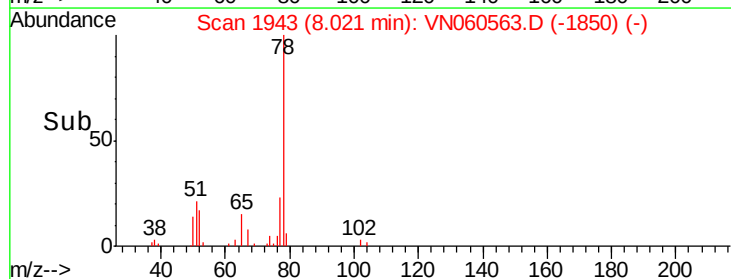
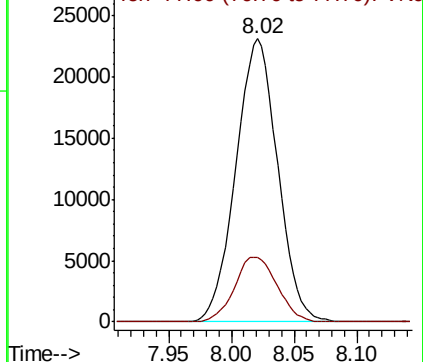


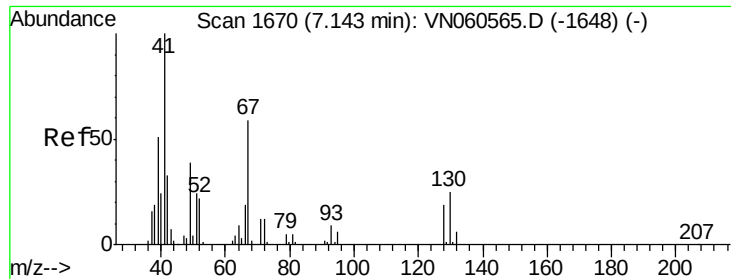
#40
Benzene
Concen: 5.172 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 78 Resp: 53545
Ion Ratio Lower Upper
78 100
77 22.6 18.6 28.0



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

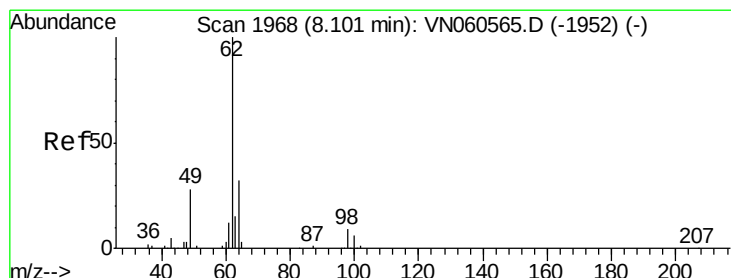
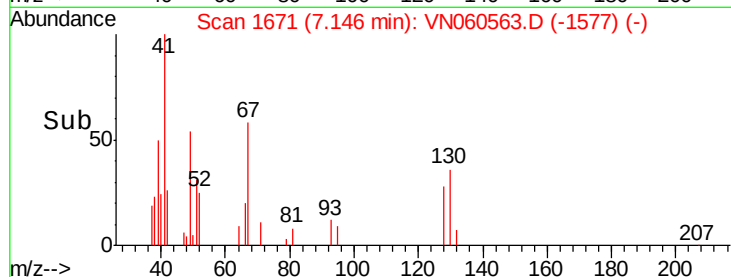
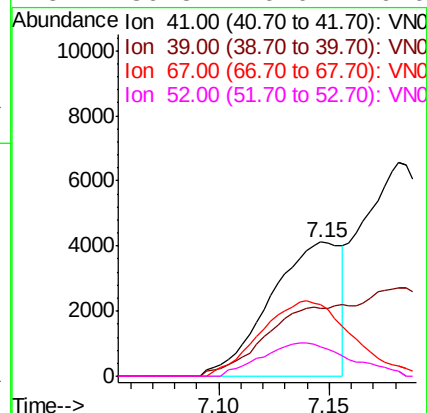
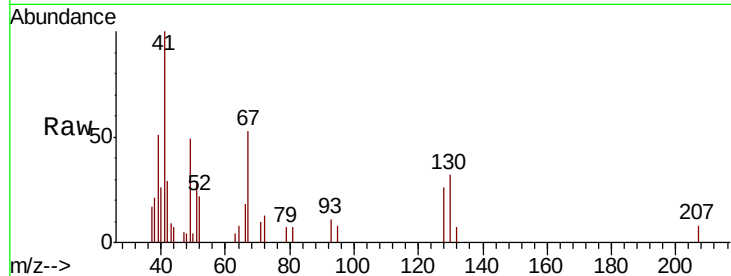




#41
Methacrylonitrile
Concen: 5.943 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

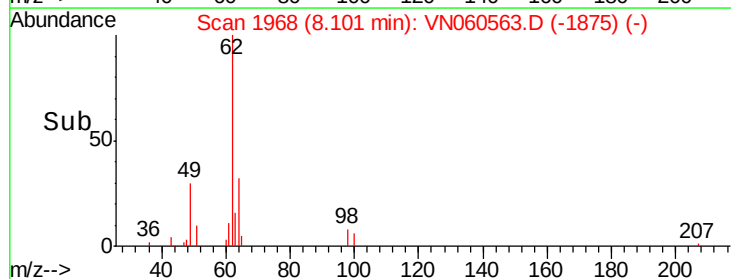
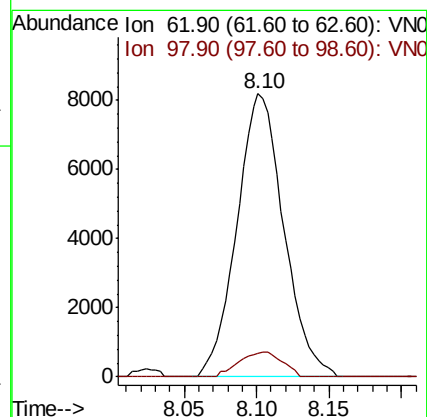
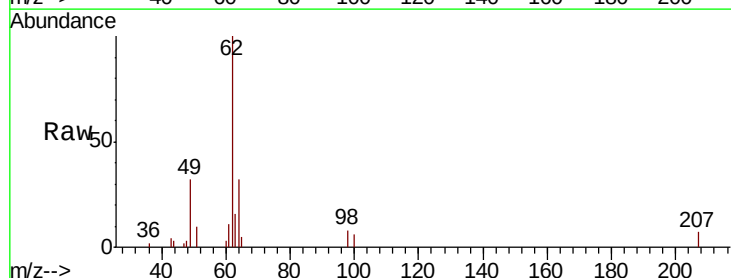
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

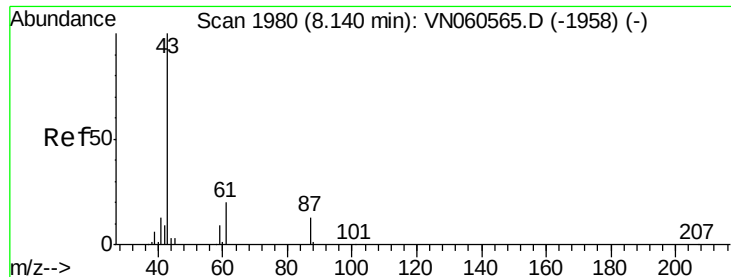
Tot Ion:	41	Resp:	9180
Ion	Ratio	Lower	Upper
41	100		
39	41.7	0.0	0.0#
67	71.4	0.0	0.0#
52	30.8	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 4.993 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion:	62	Resp:	18444
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 5.279 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

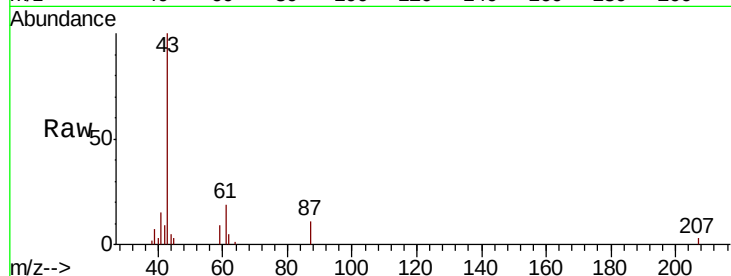
Tot Ion: 43 Resp: 31200

Ion Ratio Lower Upper

43 100

61 25.8 20.7 31.1

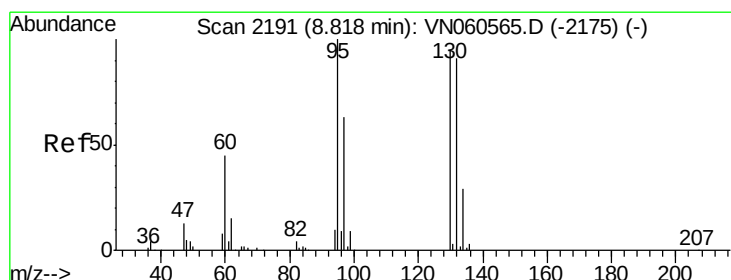
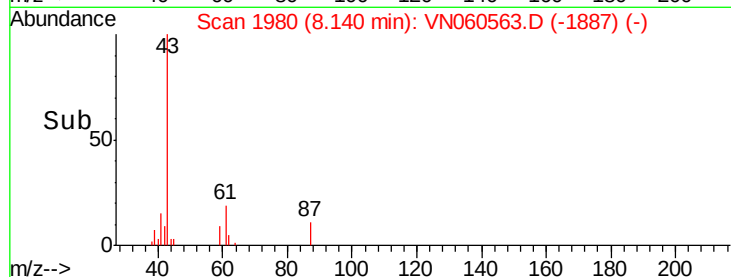
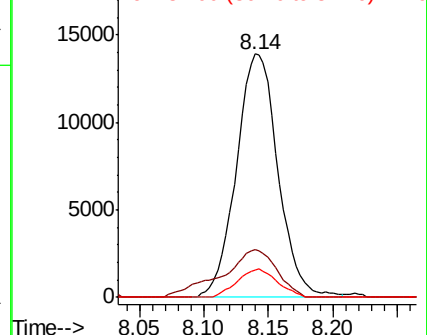
87 11.2 9.8 14.8



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: 4.775 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060563.D

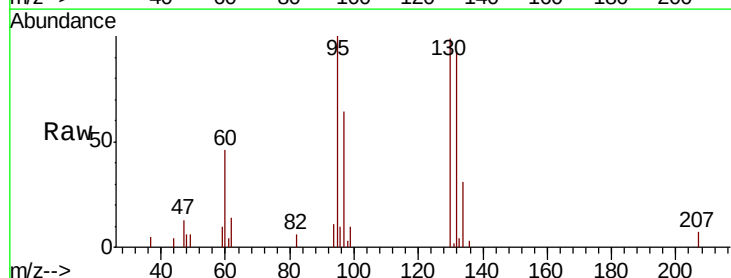
Acq: 17 Mar 2020 18:27

Tgt Ion: 130 Resp: 13612

Ion Ratio Lower Upper

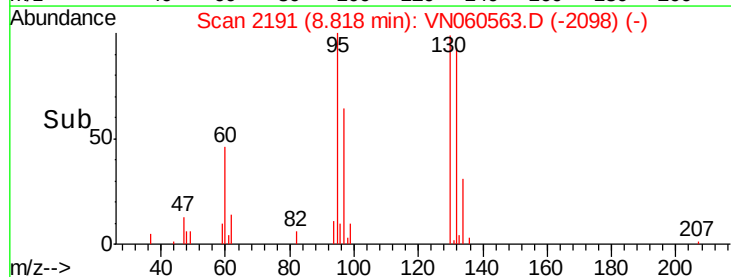
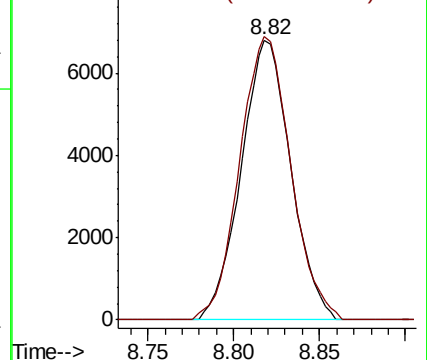
130 100

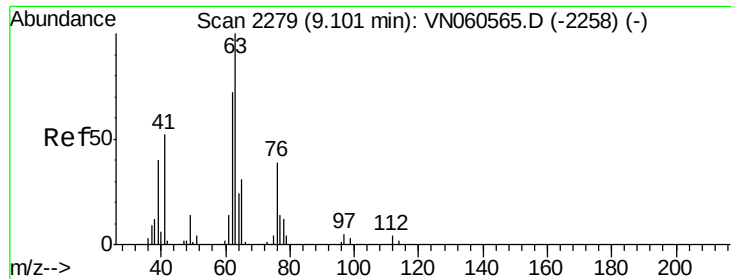
95 101.2 0.0 211.2



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

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

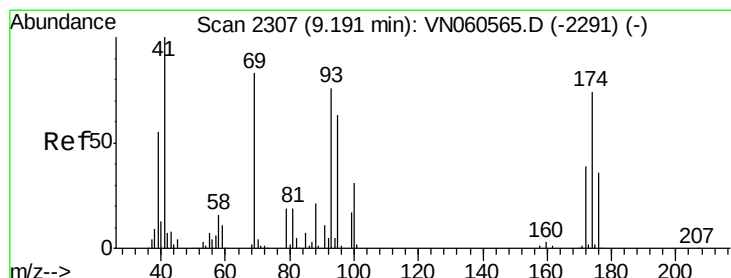
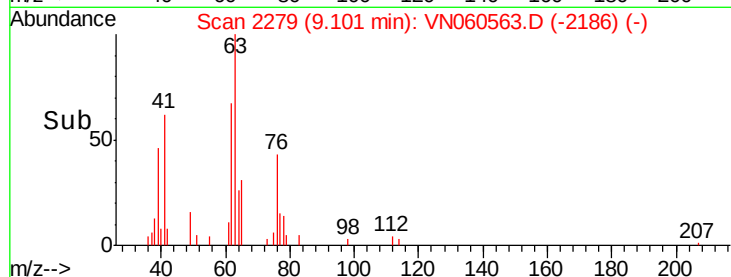
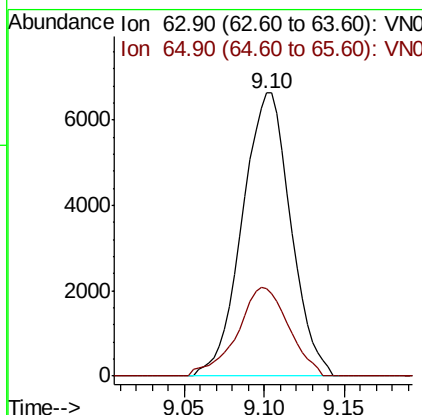
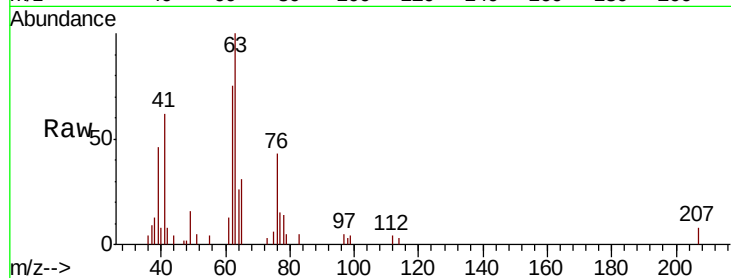




#45
 1,2-Dichloropropane
 Concen: 5.093 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

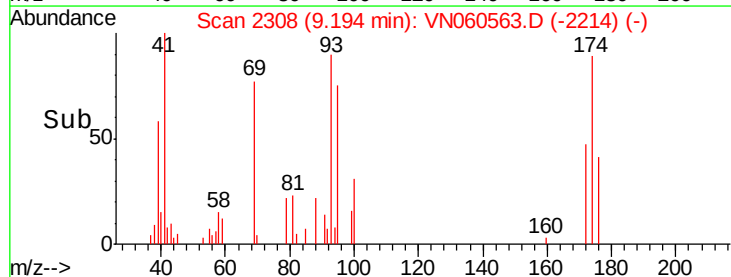
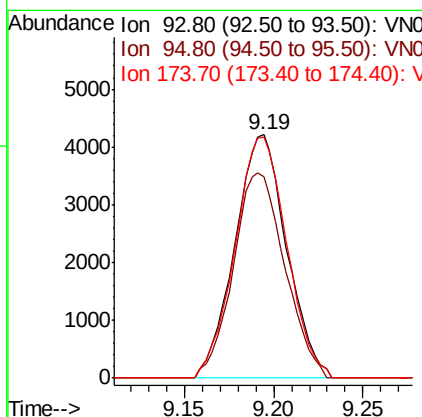
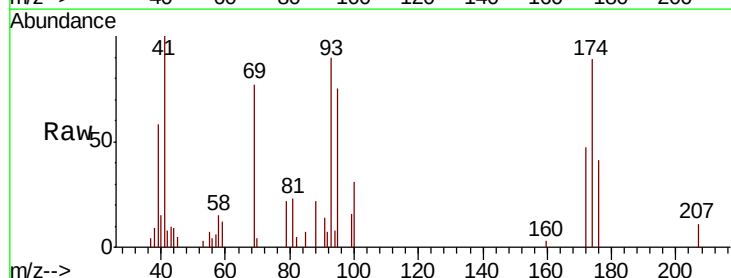
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

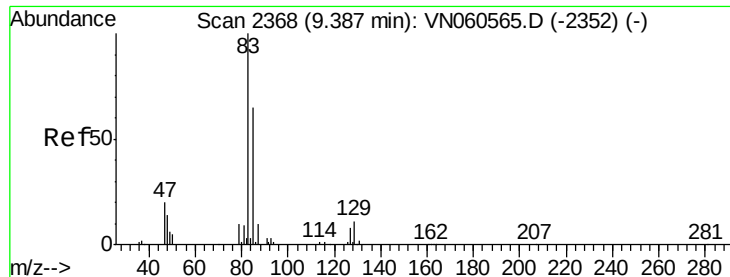
Tot Ion: 63 Resp: 13767
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.4 38.0



#46
 Dibromomethane
 Concen: 4.883 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion: 93 Resp: 8496
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.2 99.4
 174 99.1 77.9 116.9





#47

Bromodichloromethane

Concen: 5.028 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

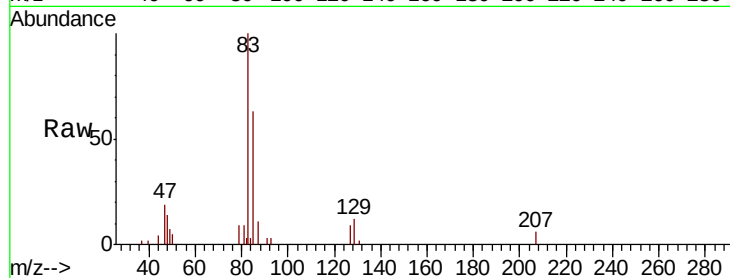
Tot Ion: 83 Resp: 17783

Ion Ratio Lower Upper

83 100

85 62.7 51.8 77.6

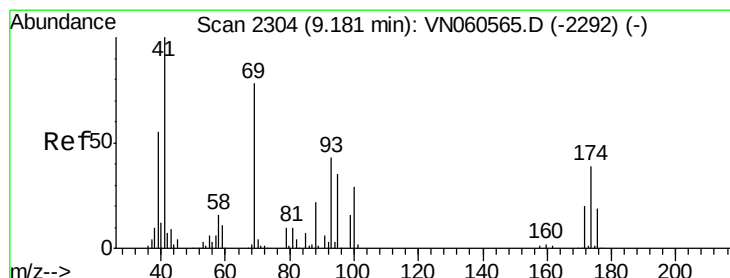
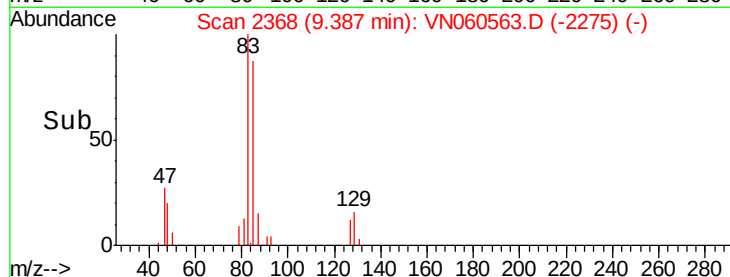
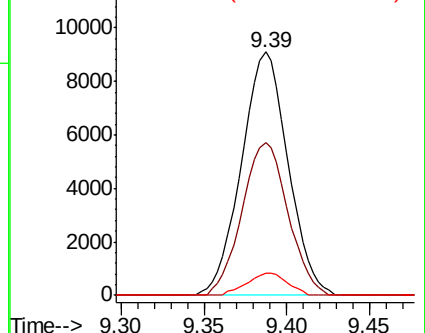
127 8.9 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060563.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060563.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060563.D (-2275) (-)



#48

Methyl methacrylate

Concen: 4.871 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

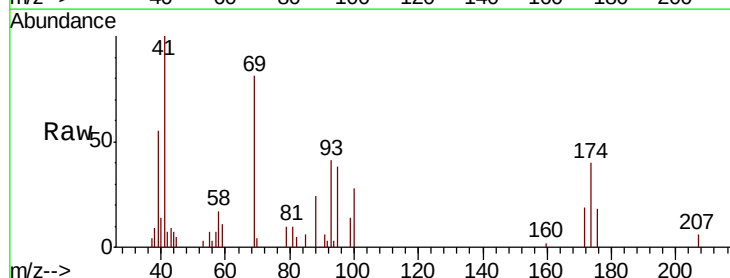
Tgt Ion: 41 Resp: 13110

Ion Ratio Lower Upper

41 100

69 79.8 65.4 98.0

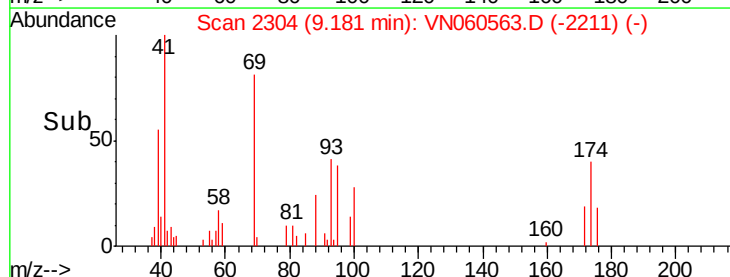
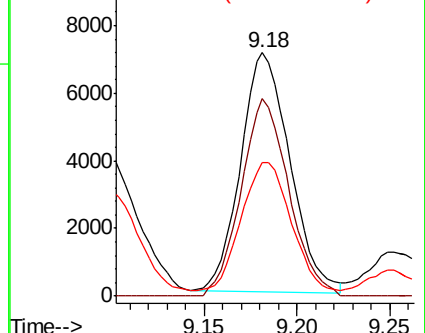
39 59.0 44.0 66.0

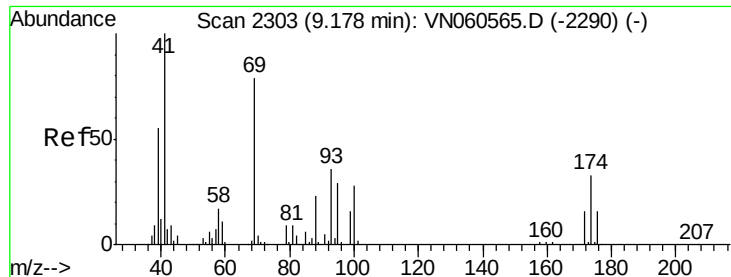


Abundance Ion 41.00 (40.70 to 41.70): VN060563.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060563.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060563.D (-2211) (-)

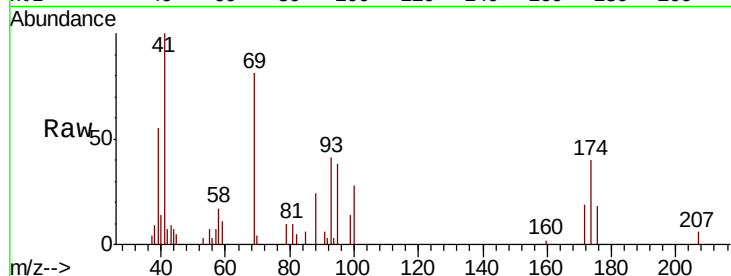




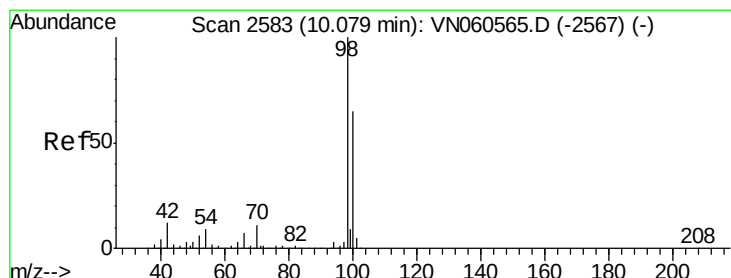
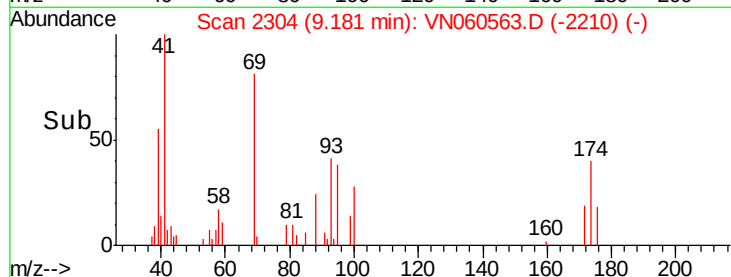
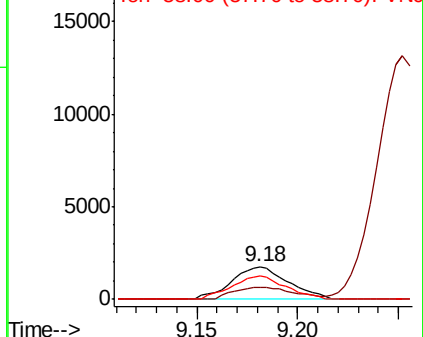
#49
1,4-Dioxane
Concen: 91.864 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 3428
Ion Ratio Lower Upper
88 100
43 39.8 30.8 46.2
58 68.2 59.8 89.8

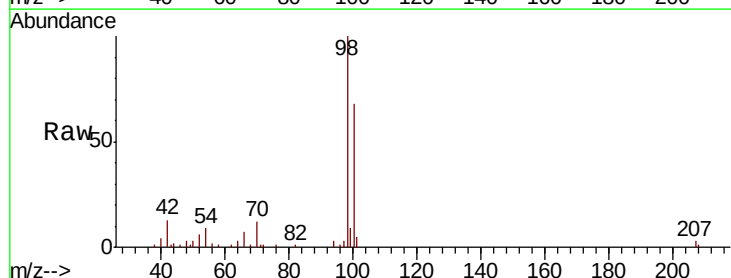


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

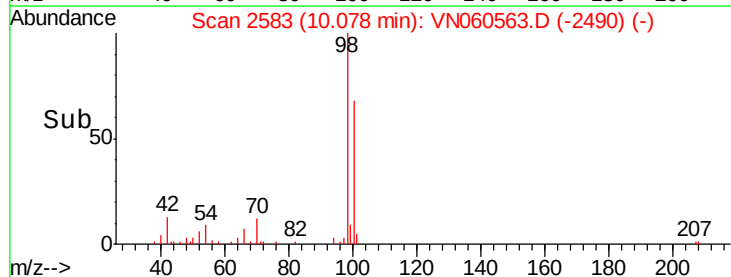
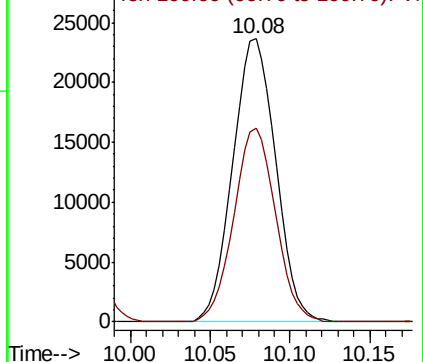


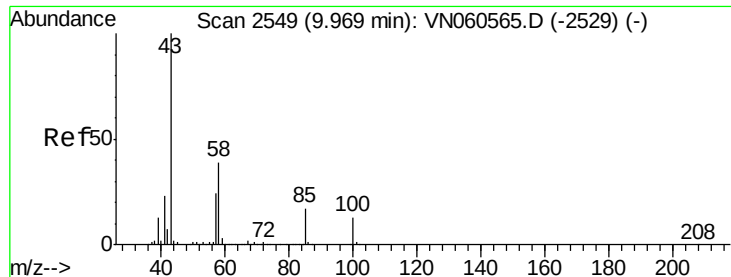
#50
Toluene-d8
Concen: 4.898 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 98 Resp: 43374
Ion Ratio Lower Upper
98 100
100 66.5 51.8 77.8



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

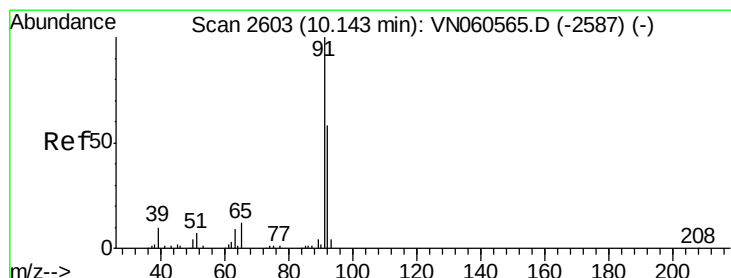
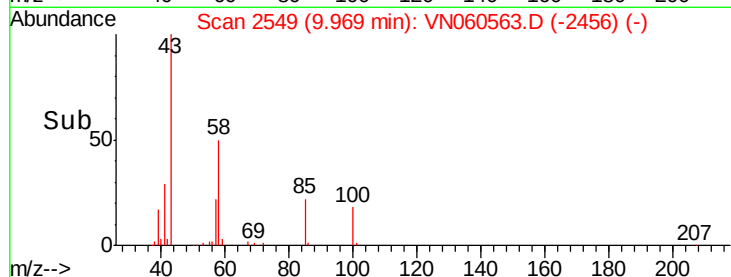
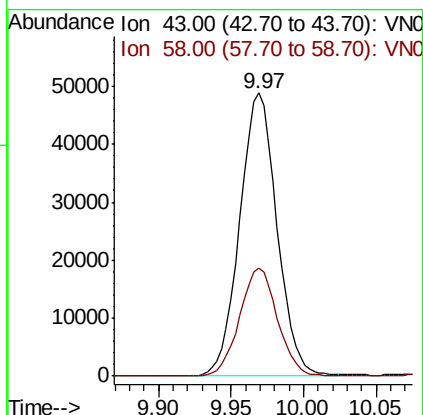
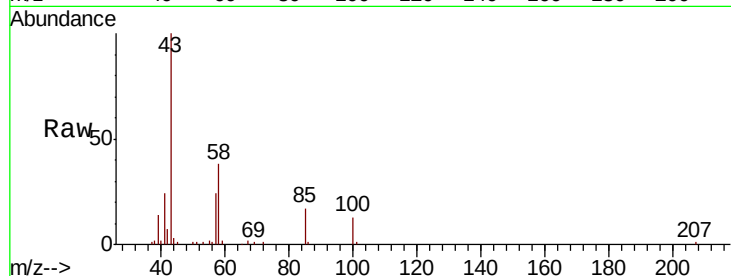




#51
 4-Methyl-2-Pentanone
 Concen: 26.045 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

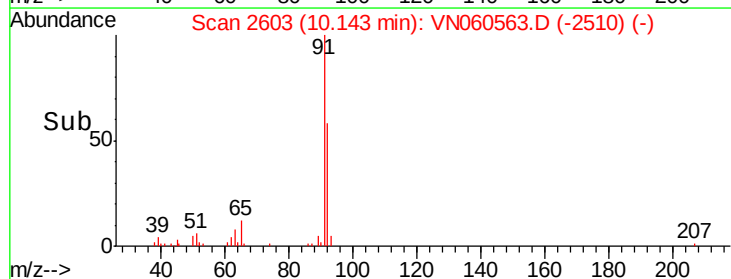
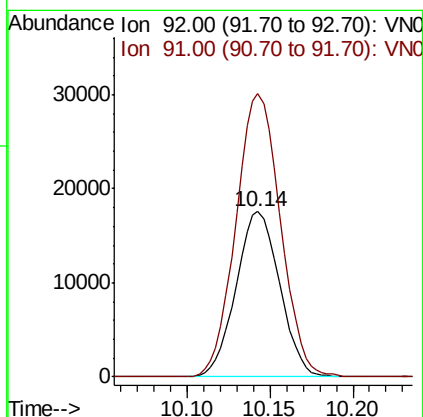
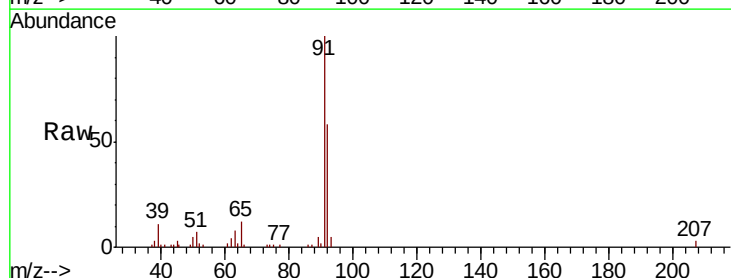
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

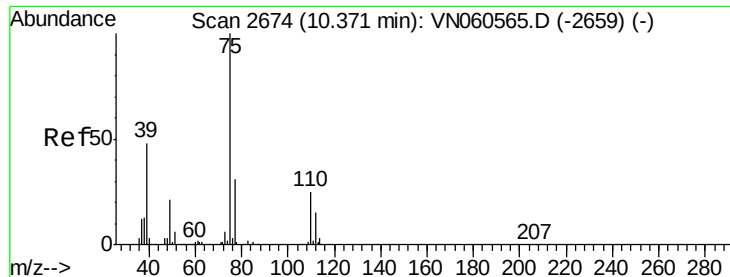
Tot Ion: 43 Resp: 87450
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.8 46.2



#52
 Toluene
 Concen: 4.960 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion: 92 Resp: 32077
 Ion Ratio Lower Upper
 92 100
 91 175.1 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 4.597 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampled :

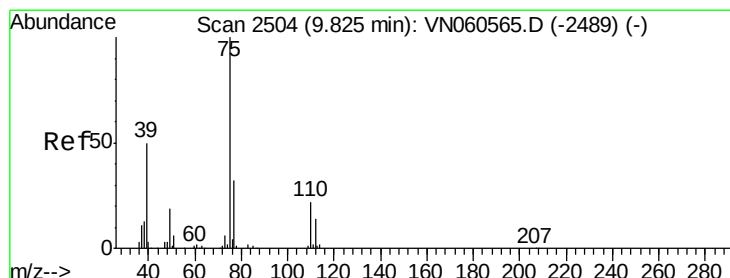
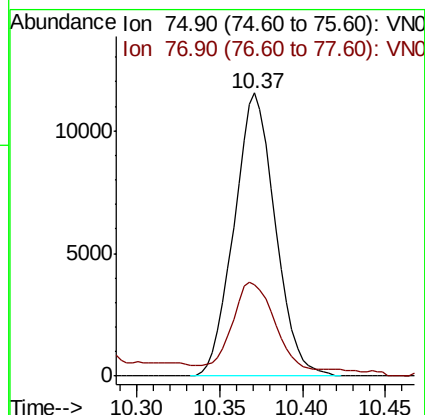
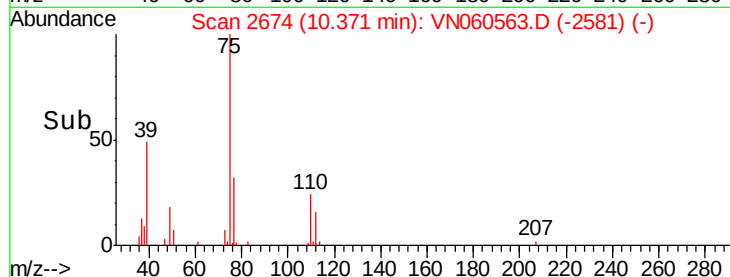
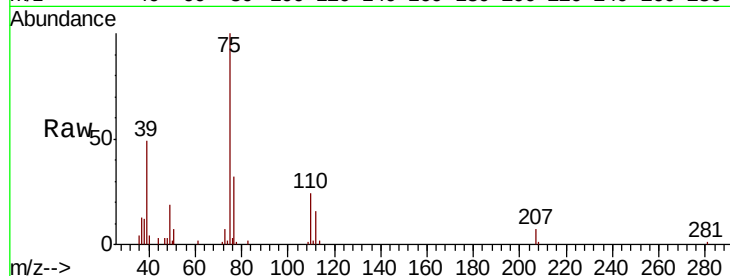
VSTDIC005

Tot Ion: 75 Resp: 19893

Ion Ratio Lower Upper

75 100

77 30.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 4.952 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

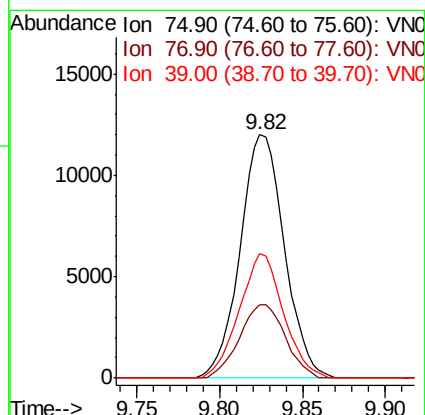
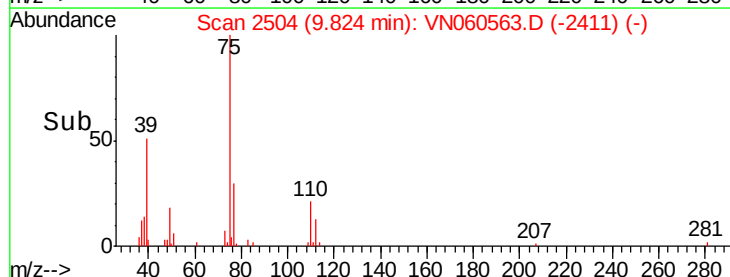
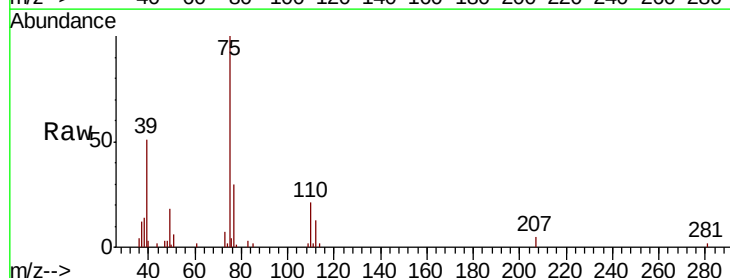
Tgt Ion: 75 Resp: 22268

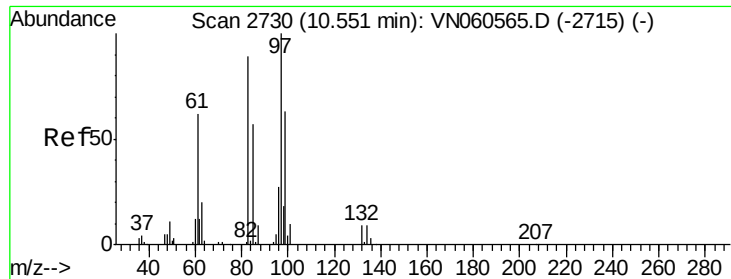
Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0

39 51.0 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 4.724 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 12222

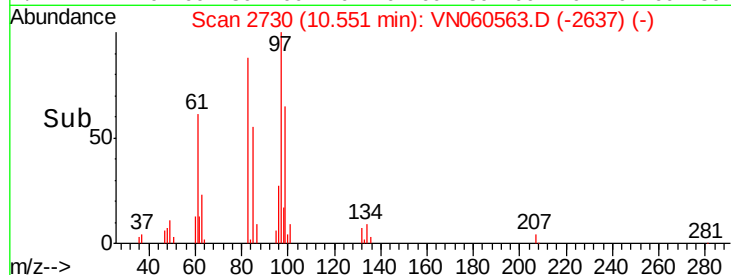
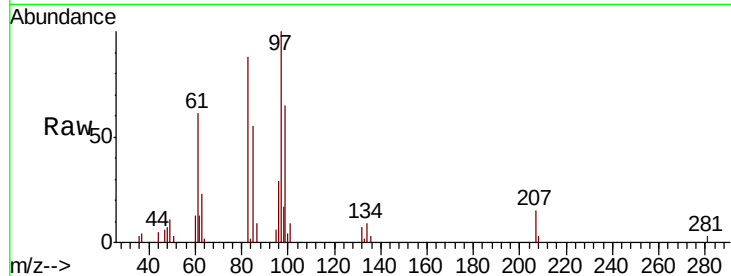
Ion Ratio Lower Upper

97 100

83 87.8 71.3 106.9

85 54.5 45.2 67.8

99 65.4 50.1 75.1



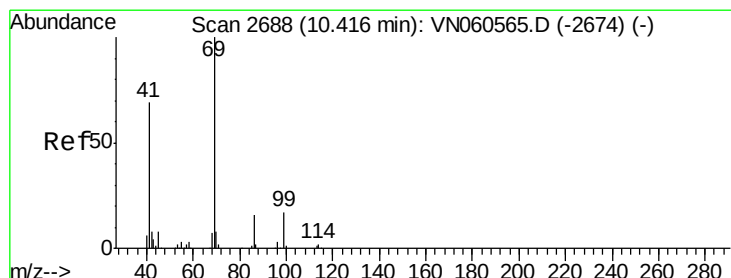
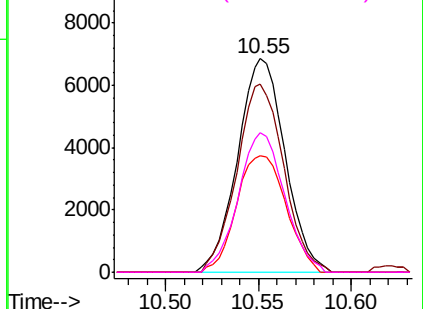
Abundance

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: 4.721 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

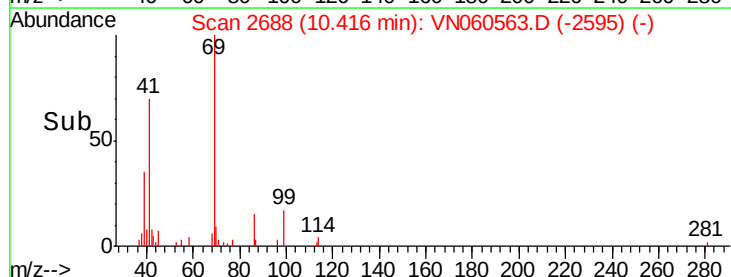
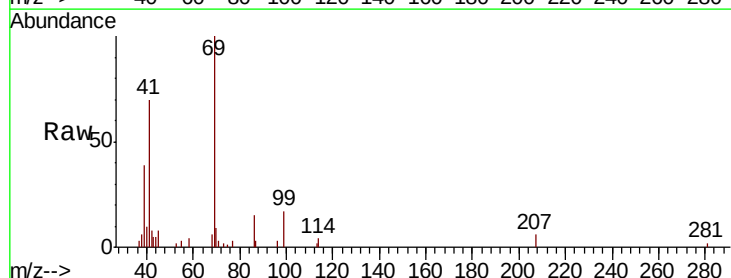
Tgt Ion: 69 Resp: 17709

Ion Ratio Lower Upper

69 100

41 70.1 55.4 83.2

39 38.2 29.4 44.0

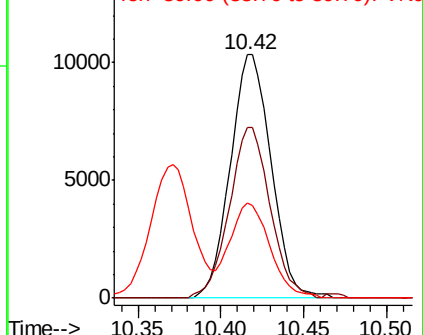


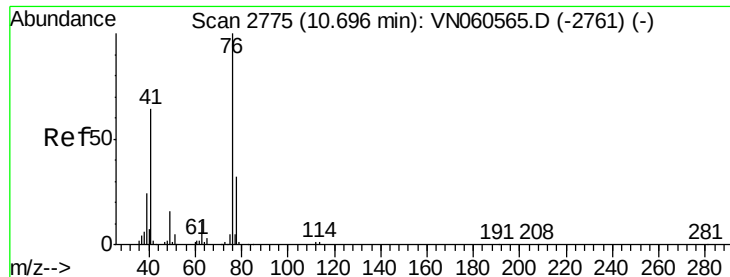
Abundance

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: 5.209 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

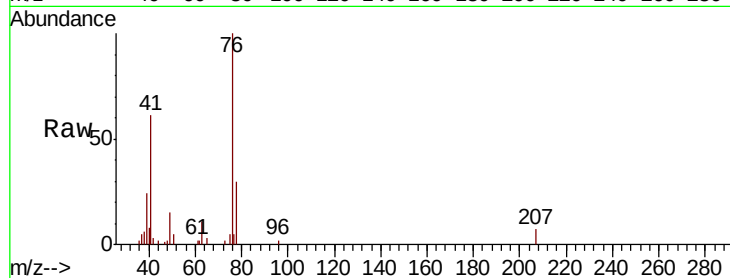
VSTDIC005

Tot Ion: 76 Resp: 22095

Ion Ratio Lower Upper

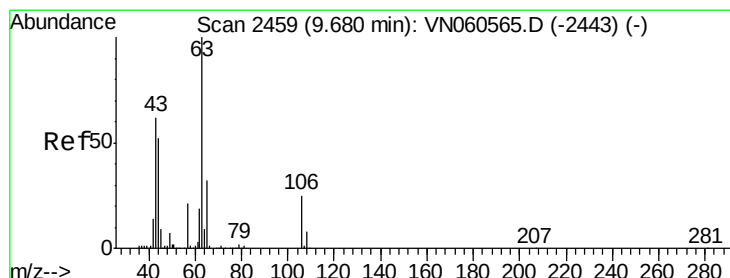
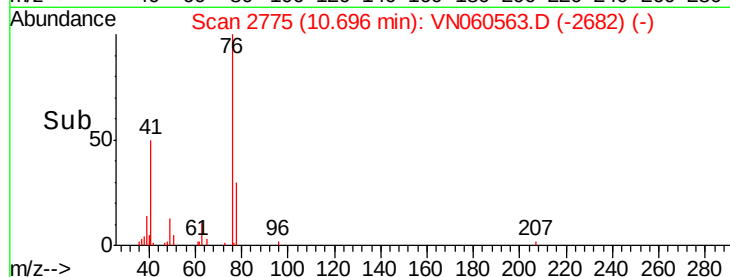
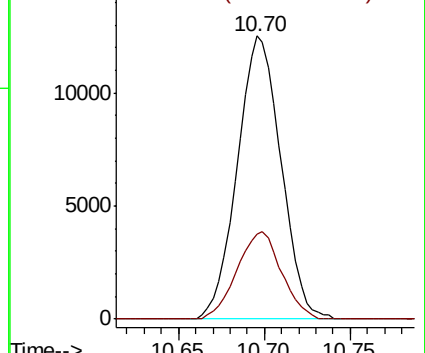
76 100

78 31.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 23.796 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060563.D

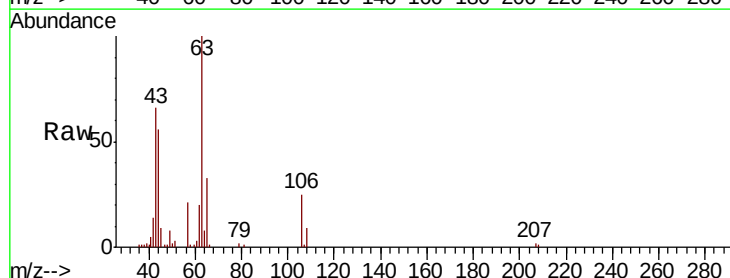
Acq: 17 Mar 2020 18:27

Tgt Ion: 63 Resp: 46488

Ion Ratio Lower Upper

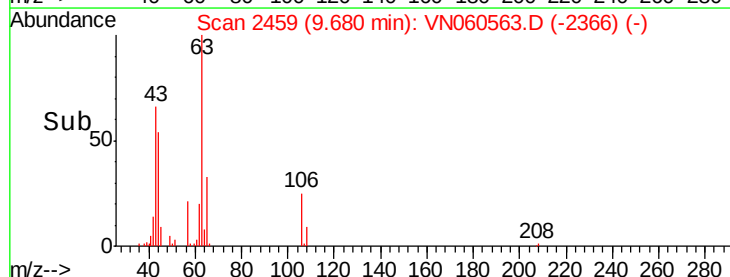
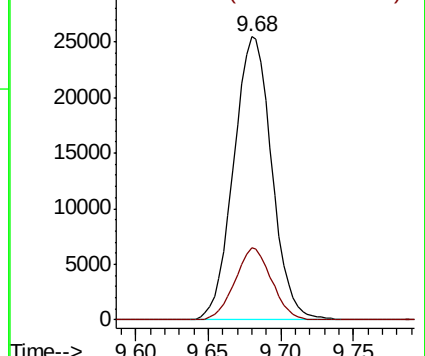
63 100

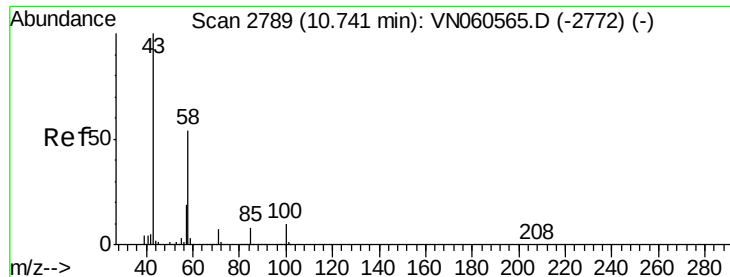
106 24.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

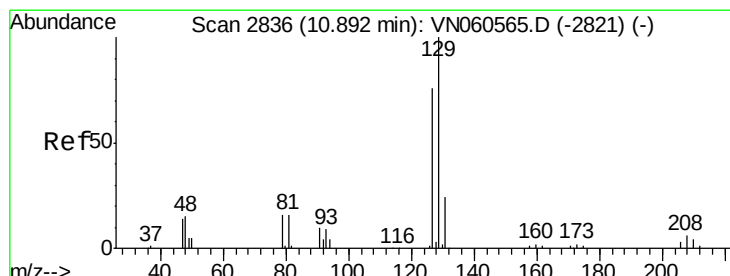
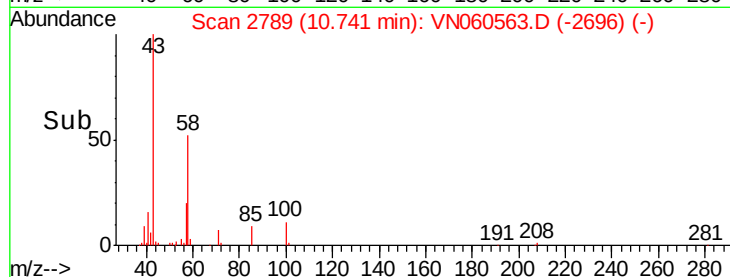
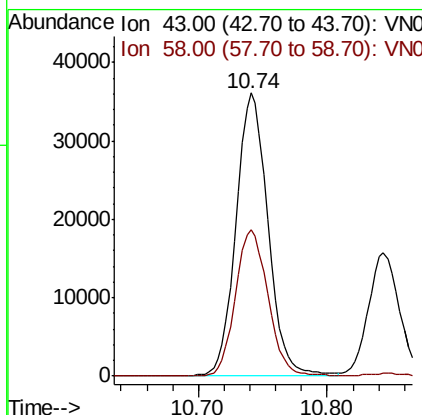
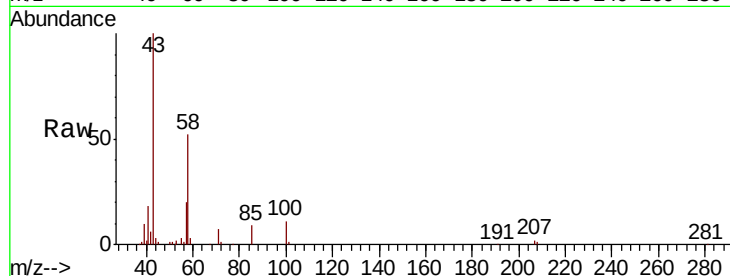




#59
2-Hexanone
Concen: 25.374 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

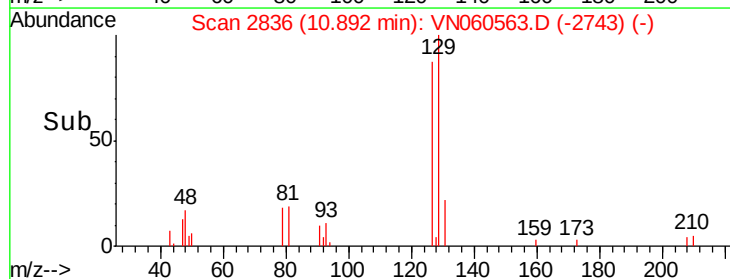
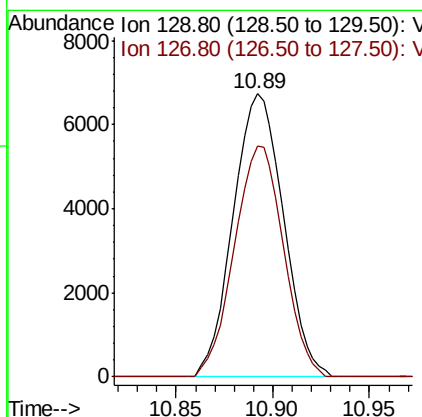
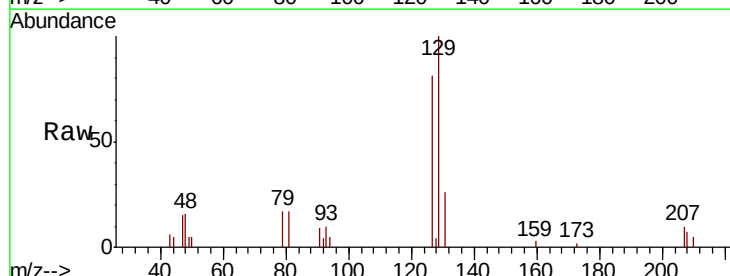
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

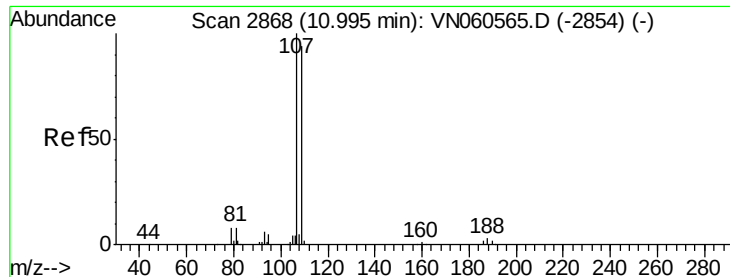
Tot Ion: 43 Resp: 62487
Ion Ratio Lower Upper
43 100
58 52.3 26.7 80.1



#60
Dibromochloromethane
Concen: 4.622 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 129 Resp: 12155
Ion Ratio Lower Upper
129 100
127 79.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 4.864 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

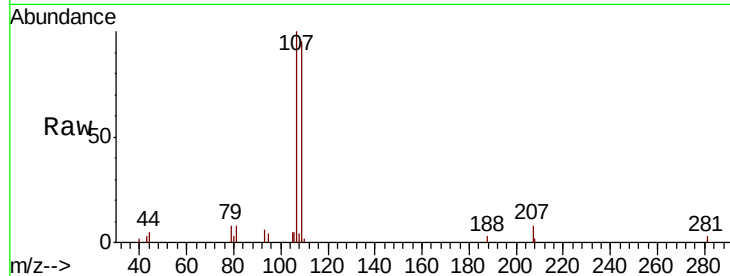
VSTDIC005

Tot Ion:107 Resp: 12302

Ion Ratio Lower Upper

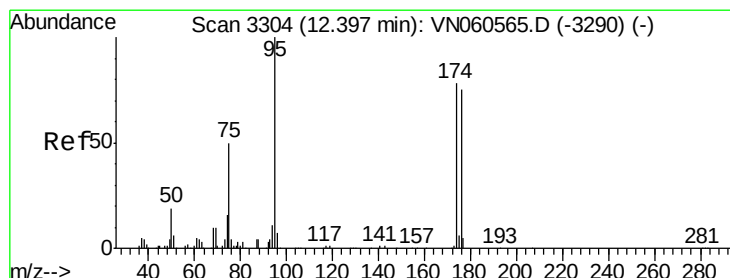
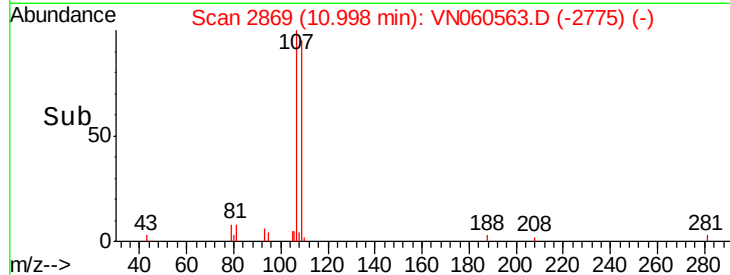
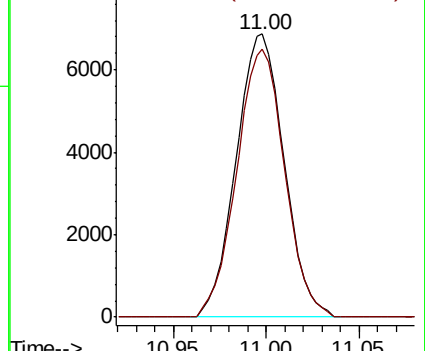
107 100

109 94.8 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.808 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

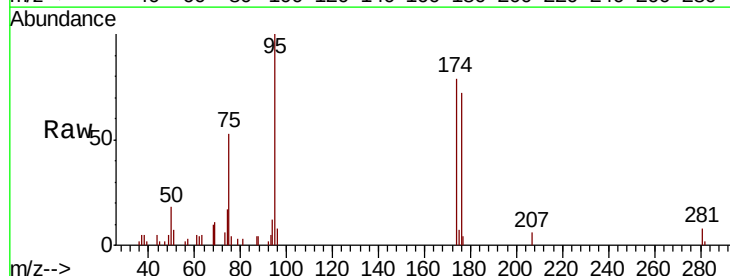
Tgt Ion: 95 Resp: 15958

Ion Ratio Lower Upper

95 100

174 77.2 0.0 157.6

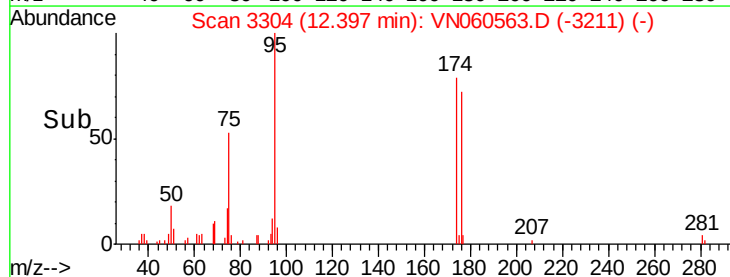
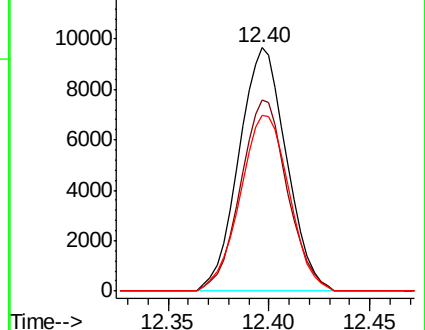
176 74.1 0.0 150.6

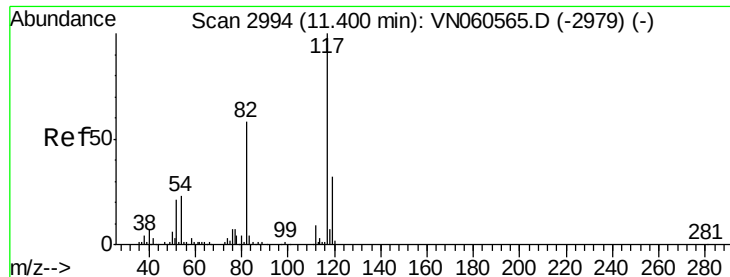


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

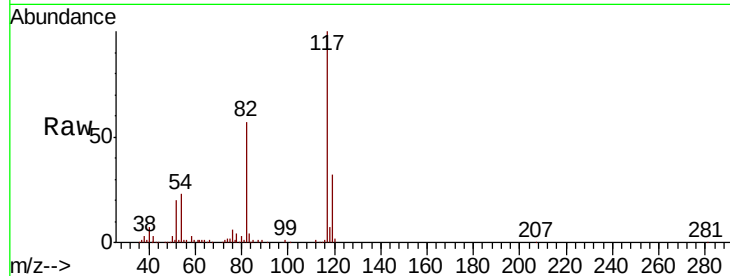




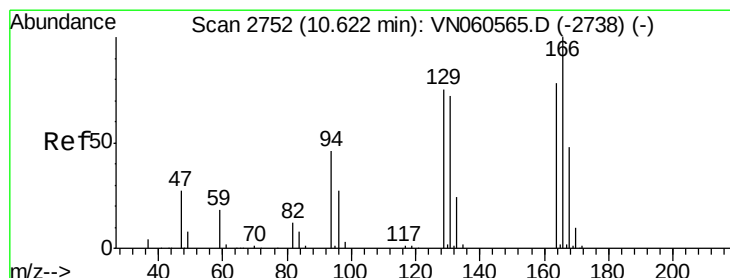
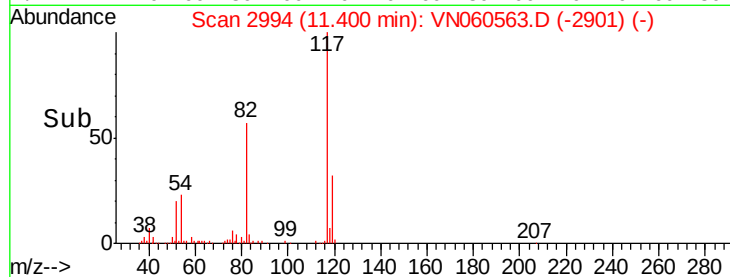
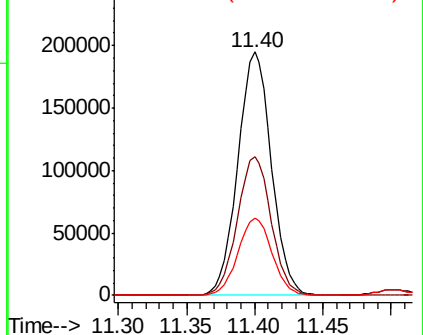
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:117 Resp: 332624
Ion Ratio Lower Upper
117 100
82 57.2 46.7 70.1
119 31.6 25.5 38.3

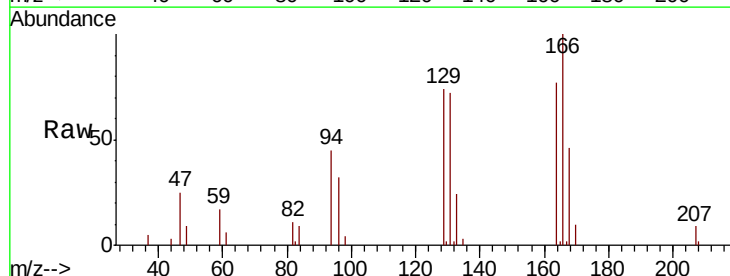


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

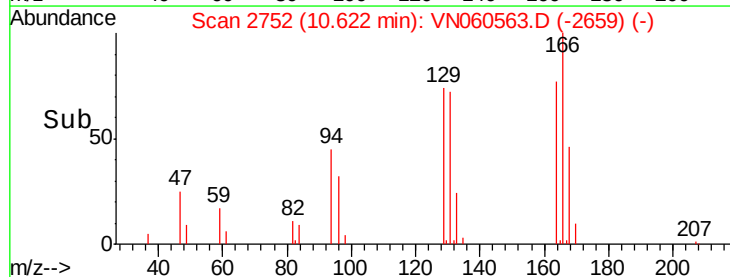
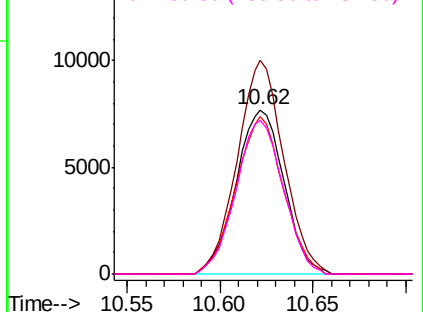


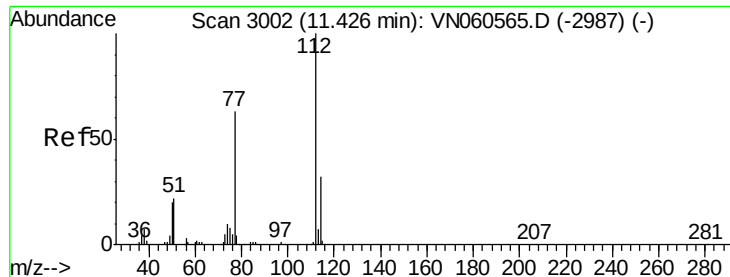
#64
Tetrachloroethene
Concen: 4.709 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion:164 Resp: 13856
Ion Ratio Lower Upper
164 100
166 130.1 102.7 154.1
129 95.9 77.2 115.8
131 93.6 73.8 110.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

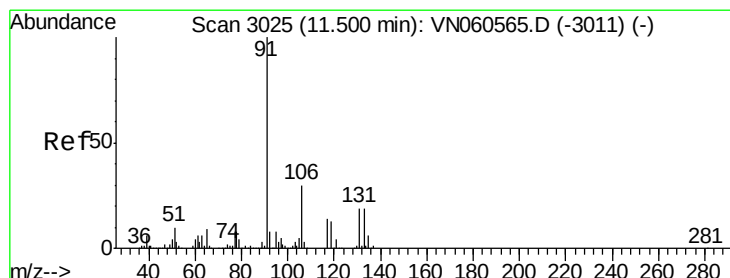
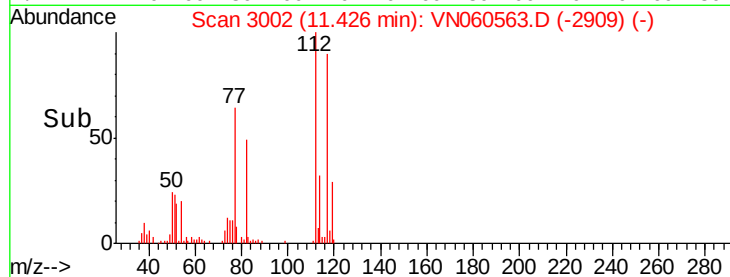
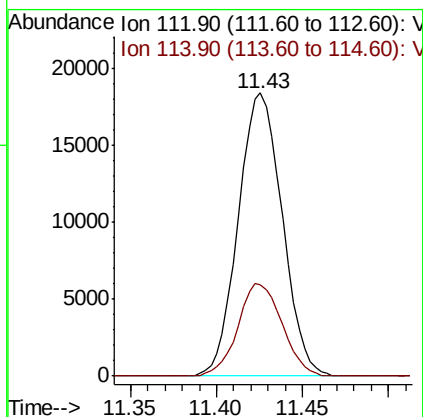
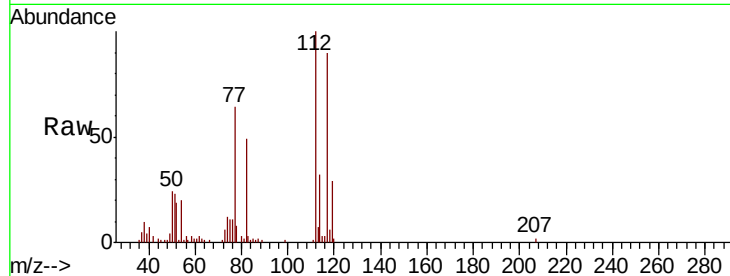




#65
Chlorobenzene
Concen: 4.848 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

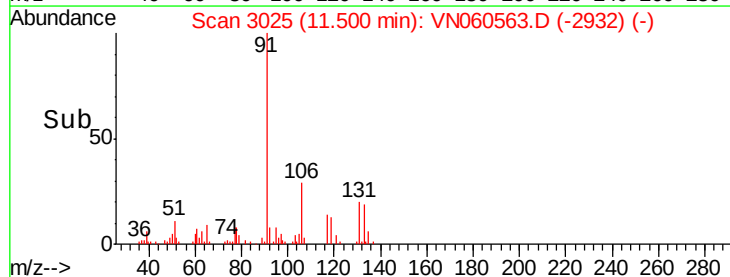
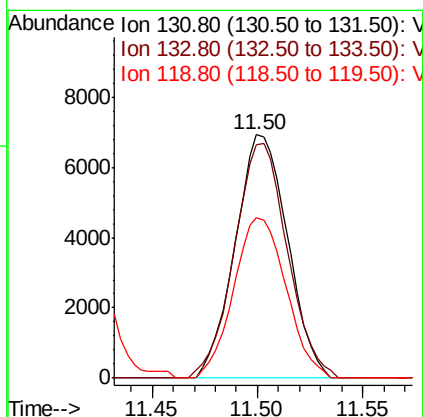
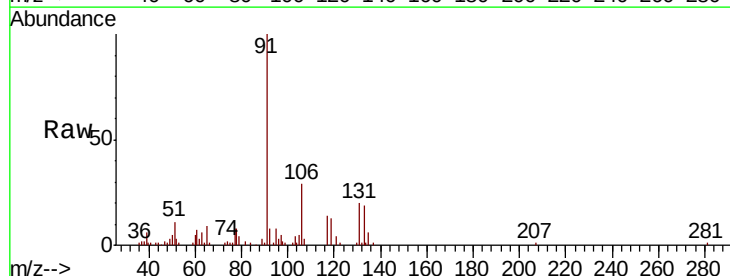
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

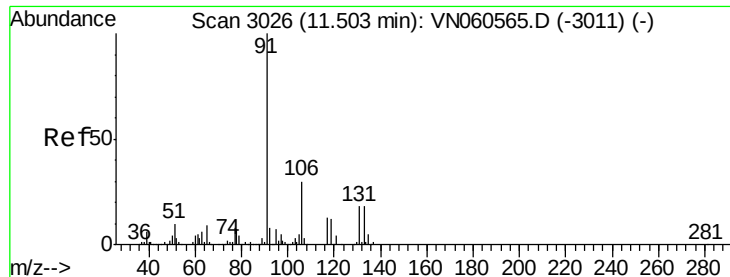
Tot Ion:112 Resp: 32693
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.835 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion:131 Resp: 11979
Ion Ratio Lower Upper
131 100
133 97.5 48.9 146.8
119 65.8 33.9 101.7

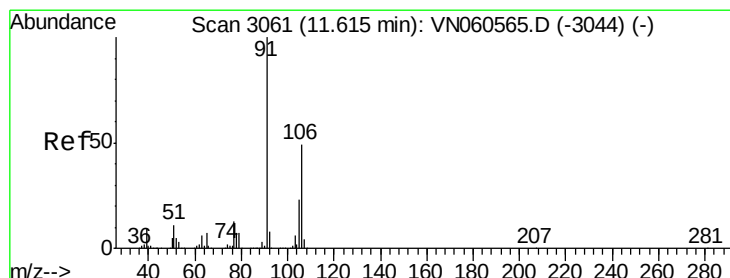
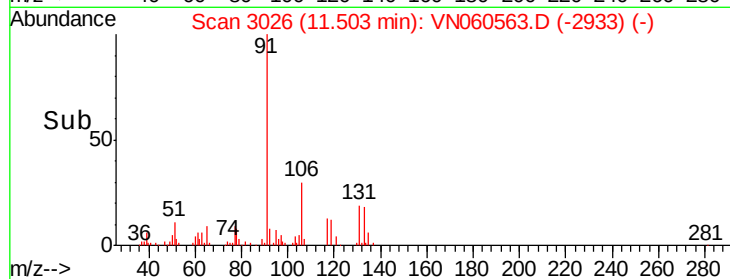
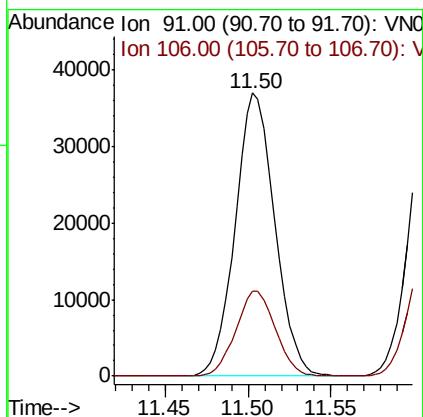
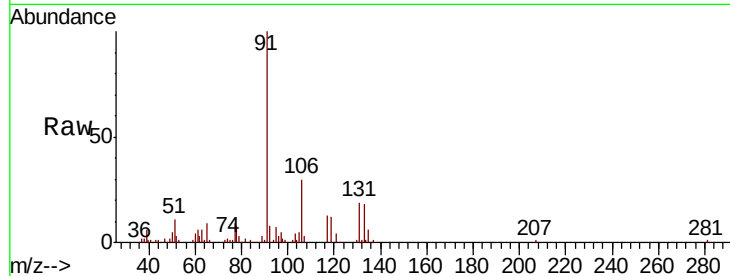




#67
Ethyl Benzene
Concen: 4.963 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

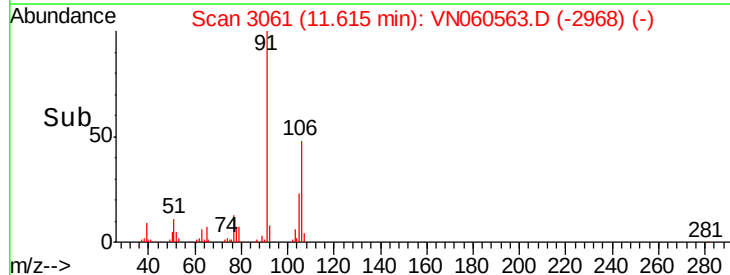
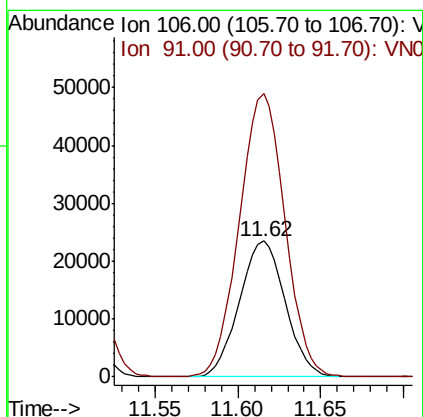
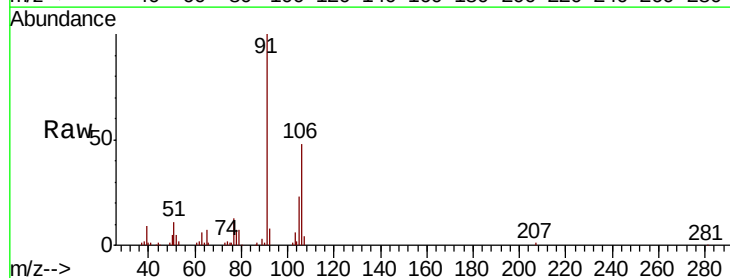
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

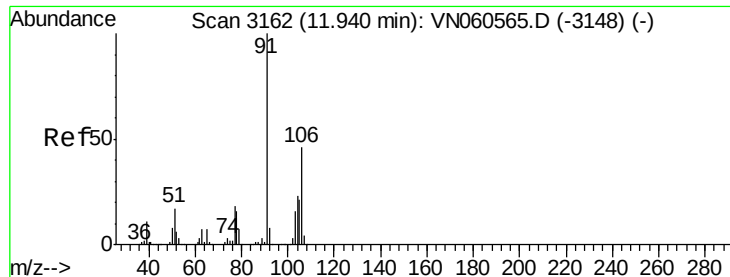
Tot Ion: 91 Resp: 61226
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2



#68
m/p-Xylenes
Concen: 9.717 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion: 106 Resp: 45208
Ion Ratio Lower Upper
106 100
91 207.6 165.0 247.4

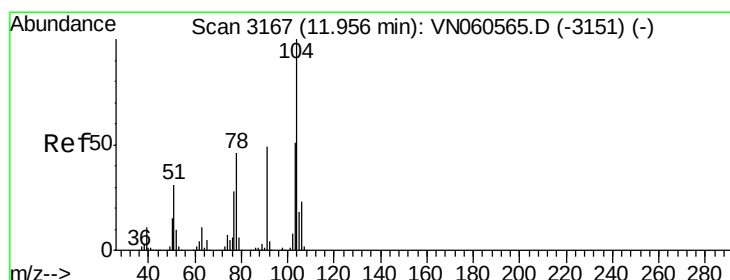
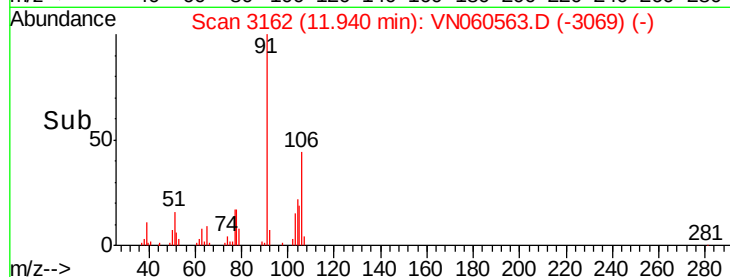
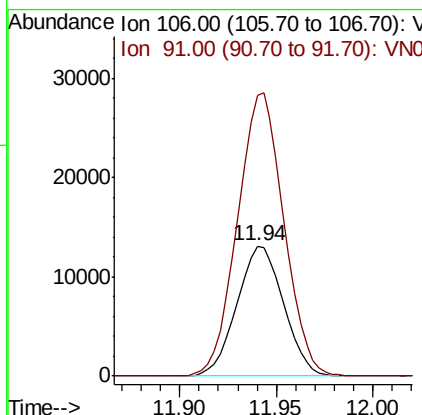
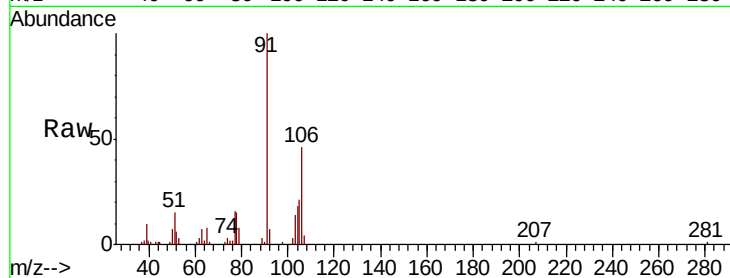




#69
o-Xylene
Concen: 4.956 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

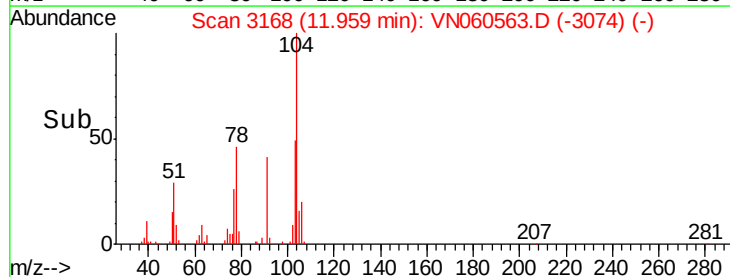
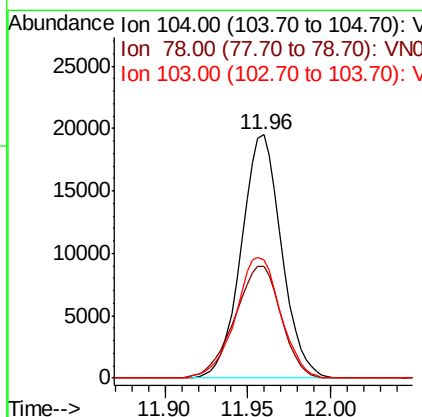
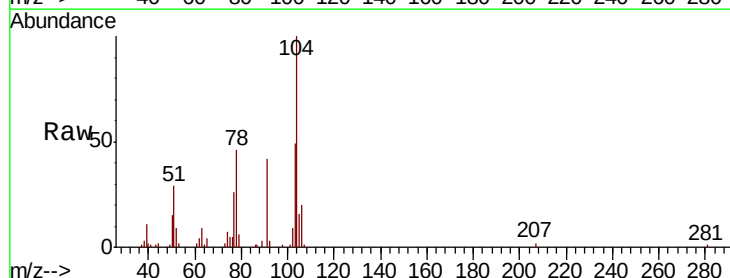
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

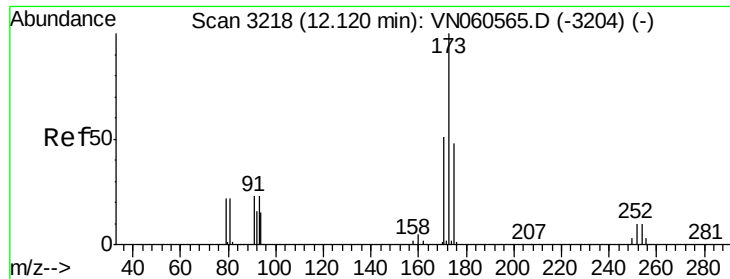
Tot Ion:106 Resp: 21971
Ion Ratio Lower Upper
106 100
91 216.0 109.5 328.4



#70
Styrene
Concen: 4.521 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion:104 Resp: 32923
Ion Ratio Lower Upper
104 100
78 52.9 41.2 61.8
103 55.2 44.0 66.0





#71

Bromoform

Concen: 4.646 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

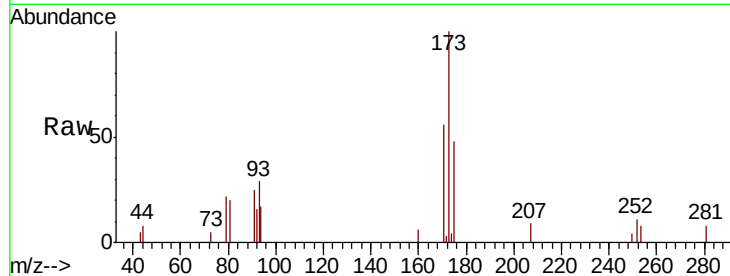
Tot Ion:173 Resp: 8349

Ion Ratio Lower Upper

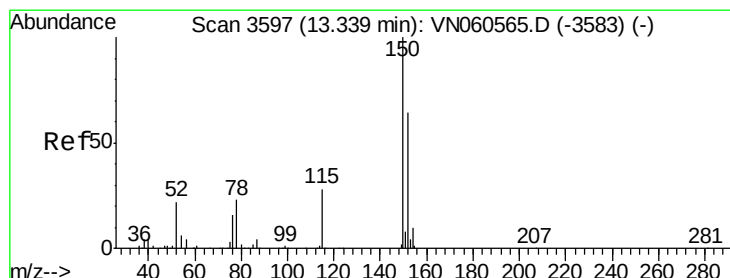
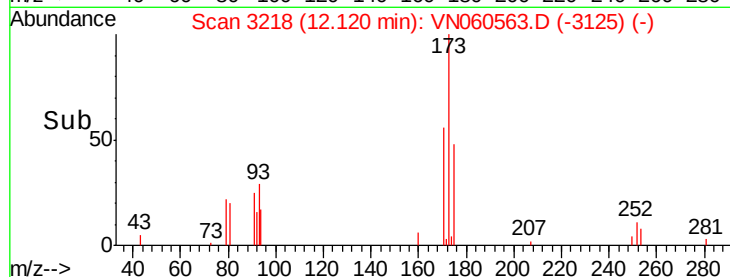
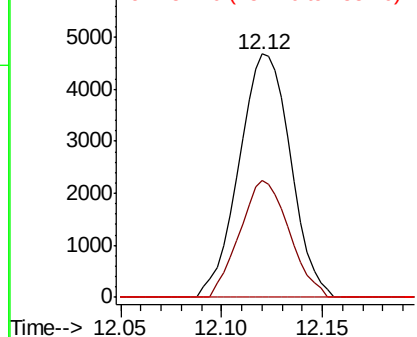
173 100

175 46.1 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: VN060563.D

Acq: 17 Mar 2020 18:27

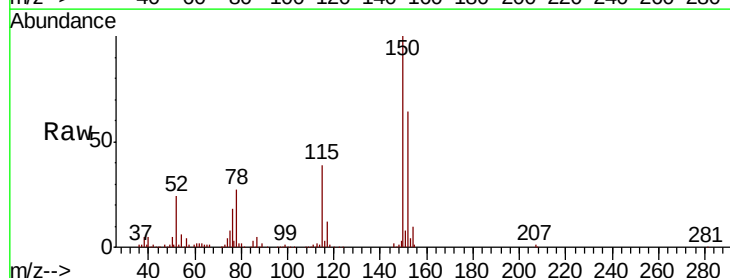
Tgt Ion:152 Resp: 148522

Ion Ratio Lower Upper

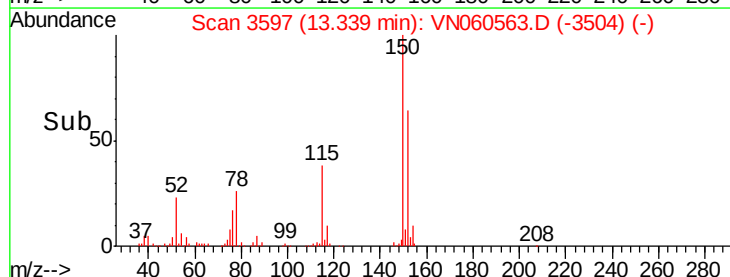
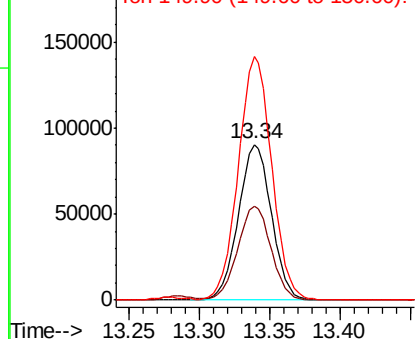
152 100

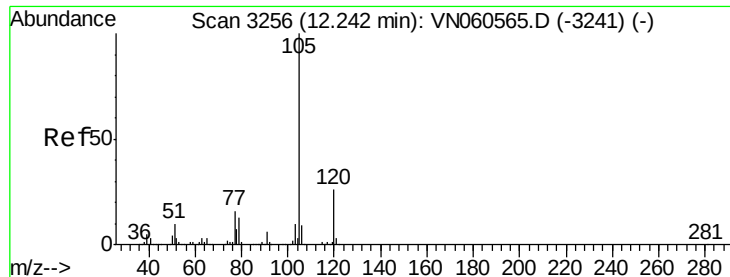
115 60.8 30.2 90.6

150 158.8 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: 5.171 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

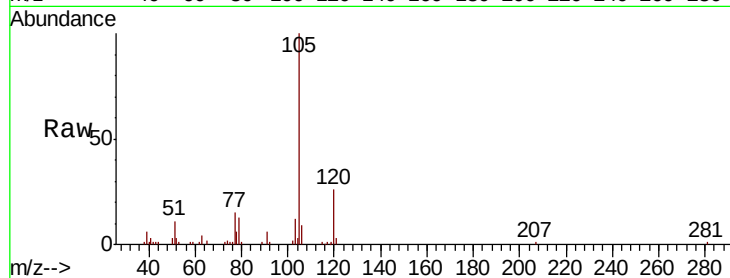
VSTDIC005

Tot Ion:105 Resp: 57439

Ion Ratio Lower Upper

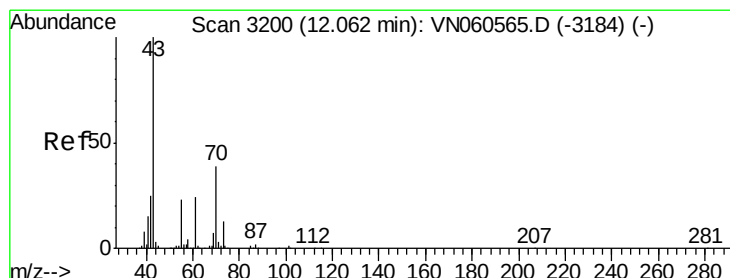
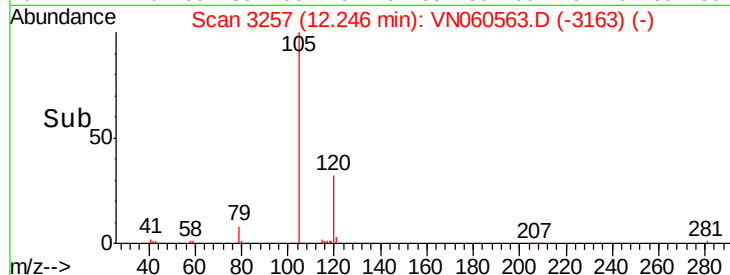
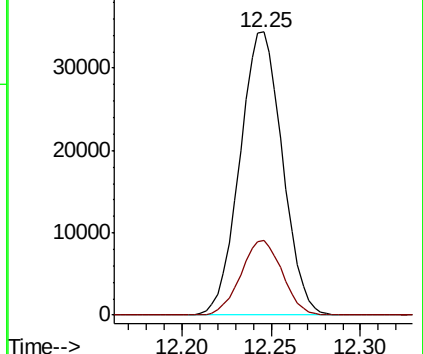
105 100

120 25.6 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.906 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Tgt Ion: 43 Resp: 24081

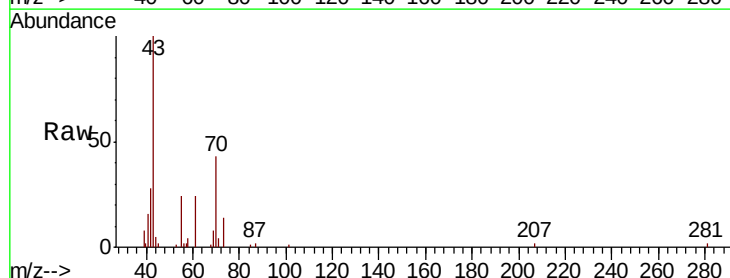
Ion Ratio Lower Upper

43 100

70 41.0 31.1 46.7

55 23.9 18.6 27.8

61 24.5 18.9 28.3

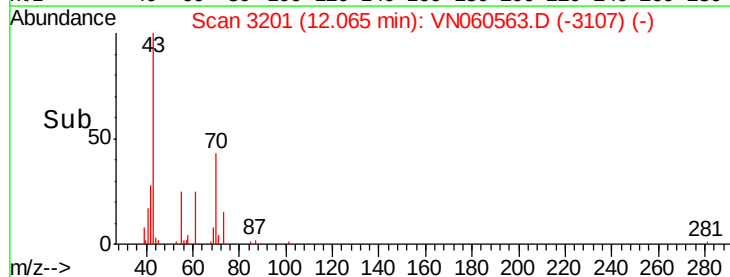
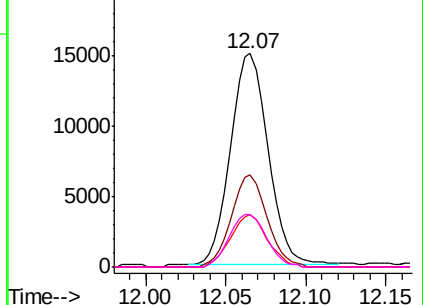


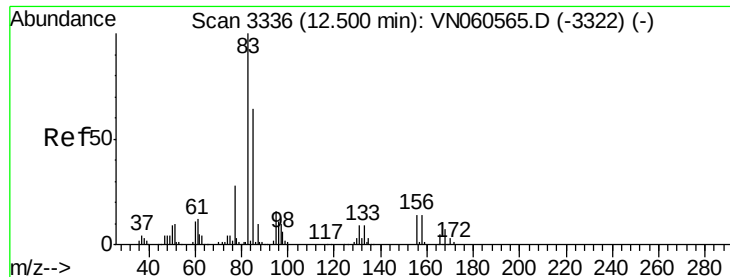
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.576 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

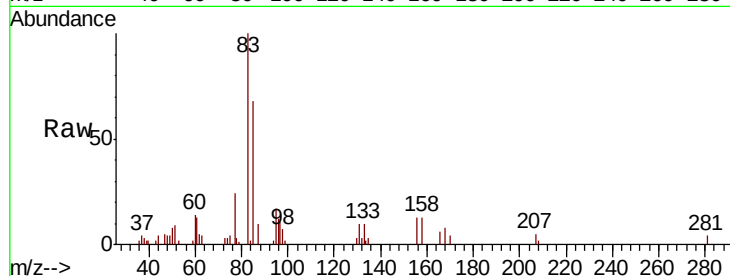
Tot Ion: 83 Resp: 17089

Ion Ratio Lower Upper

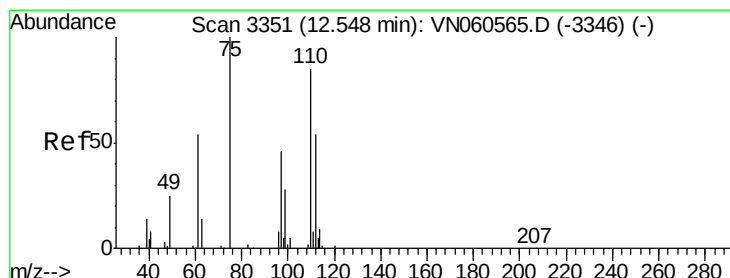
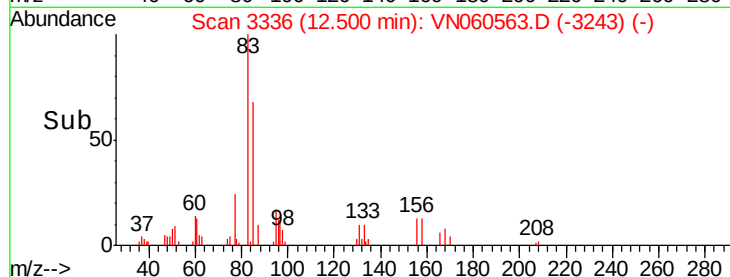
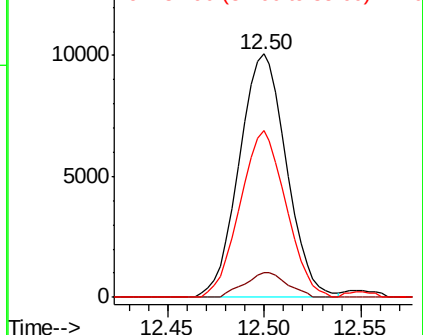
83 100

131 9.1 4.9 14.7

85 66.6 32.5 97.4



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



#76

1,2,3-Trichloropropane

Concen: 7.441 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060563.D

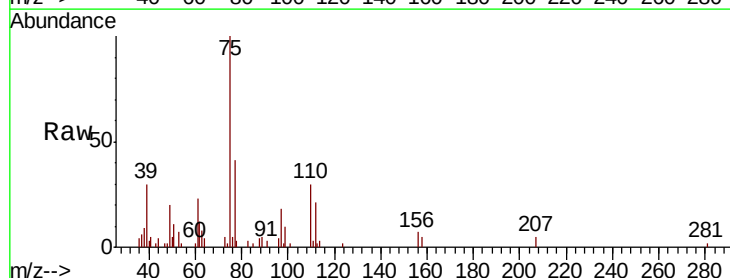
Acq: 17 Mar 2020 18:27

Tgt Ion: 75 Resp: 24156

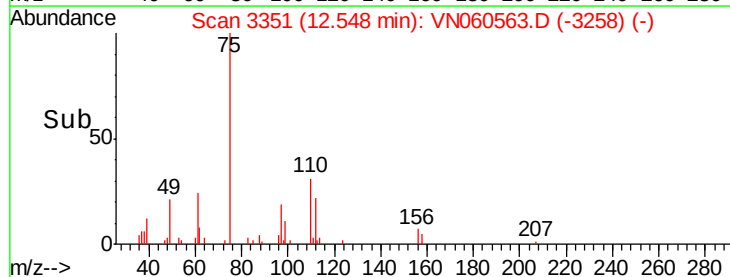
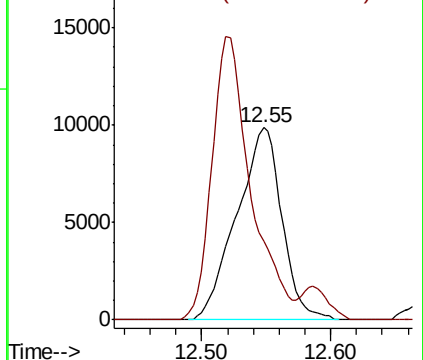
Ion Ratio Lower Upper

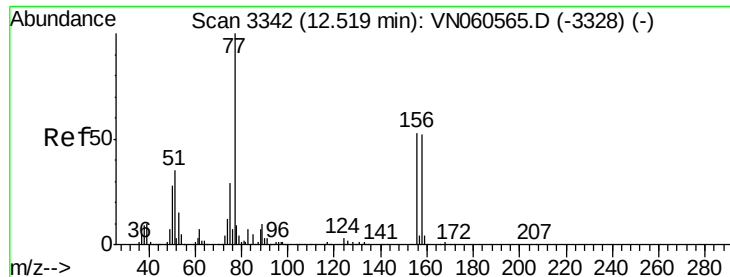
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 5.103 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

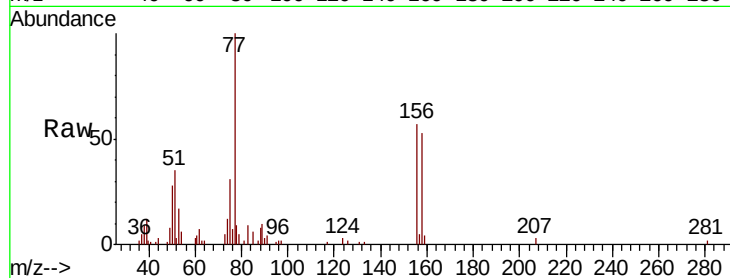
Tot Ion:156 Resp: 13847

Ion Ratio Lower Upper

156 100

77 219.0 112.3 337.0

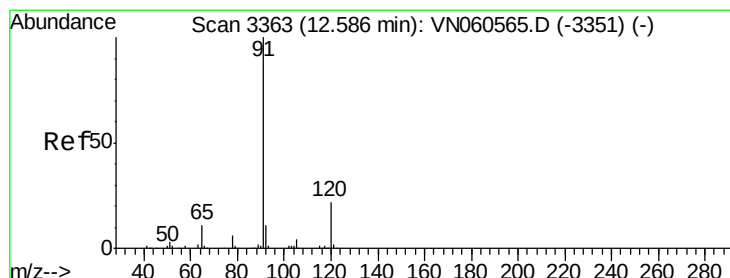
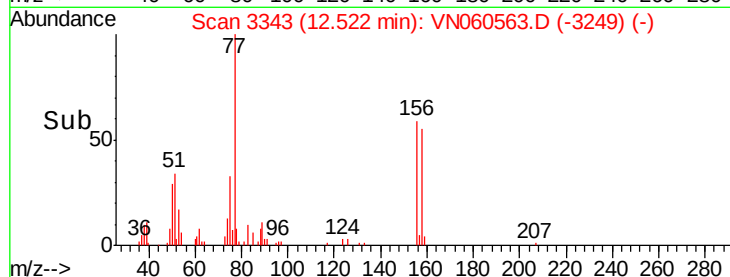
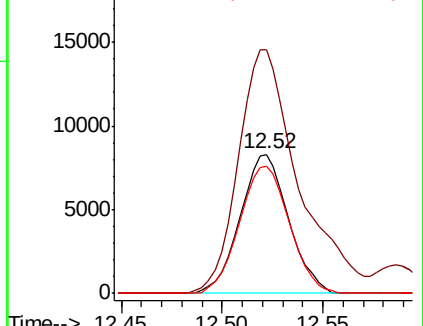
158 94.8 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.142 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060563.D

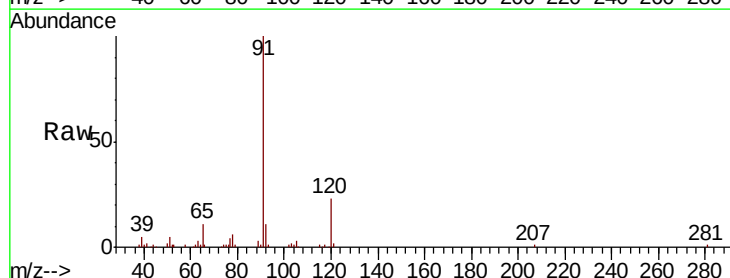
Acq: 17 Mar 2020 18:27

Tgt Ion: 91 Resp: 67112

Ion Ratio Lower Upper

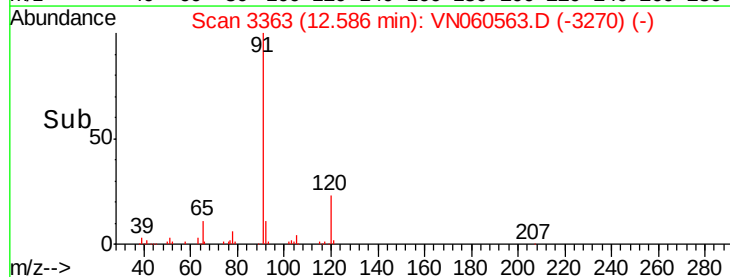
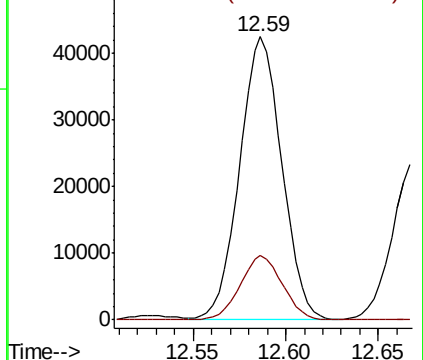
91 100

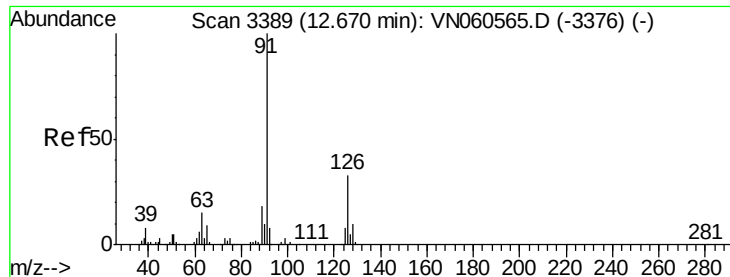
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.300 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

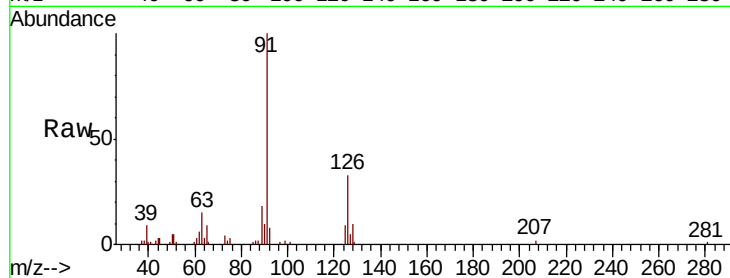
VSTDIC005

Tot Ion: 91 Resp: 40738

Ion Ratio Lower Upper

91 100

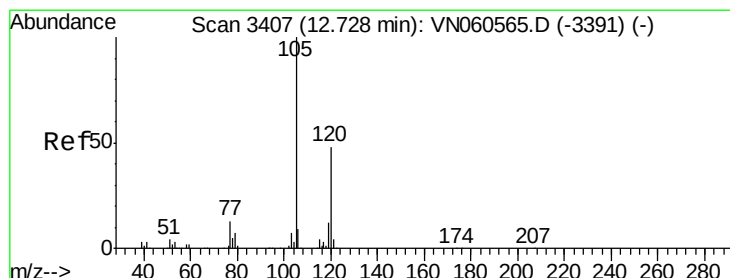
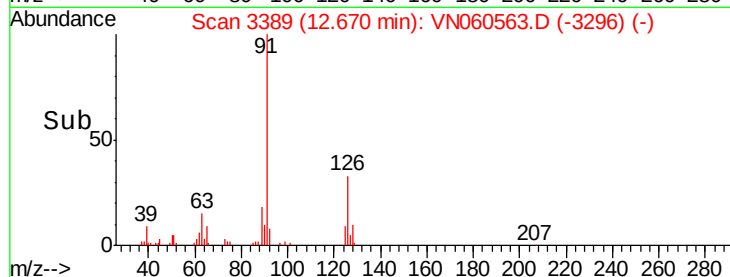
126 32.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3376) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.195 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060563.D

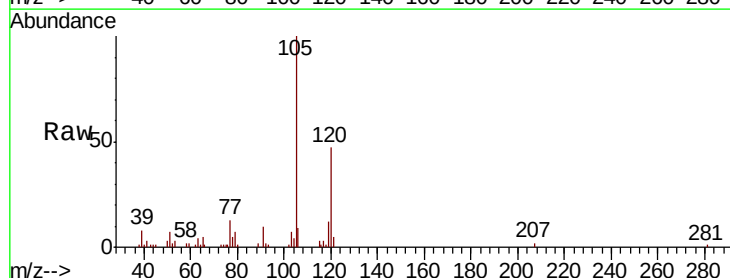
Acq: 17 Mar 2020 18:27

Tgt Ion: 105 Resp: 48603

Ion Ratio Lower Upper

105 100

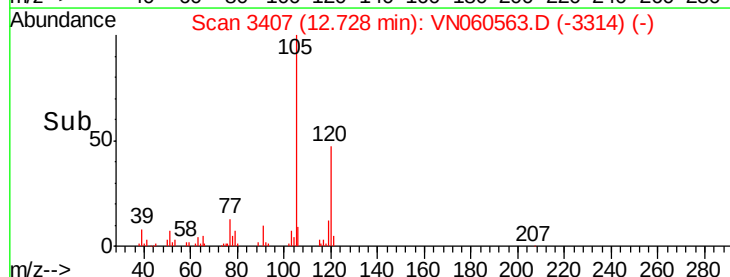
120 46.7 23.9 71.7

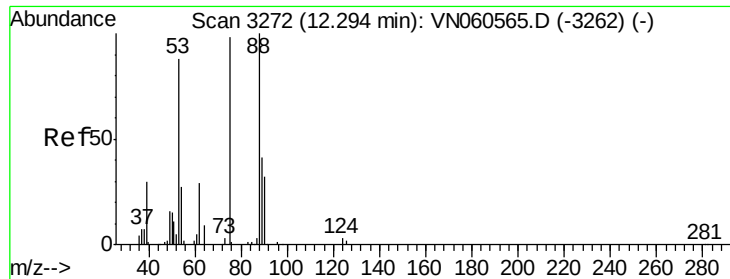


Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3391) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 4.914 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

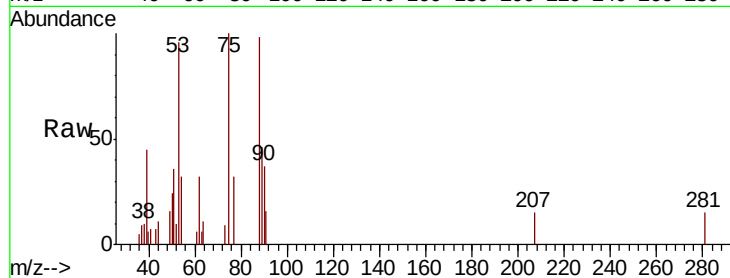
Tot Ion: 75 Resp: 5868

Ion Ratio Lower Upper

75 100

53 92.8 73.0 109.4

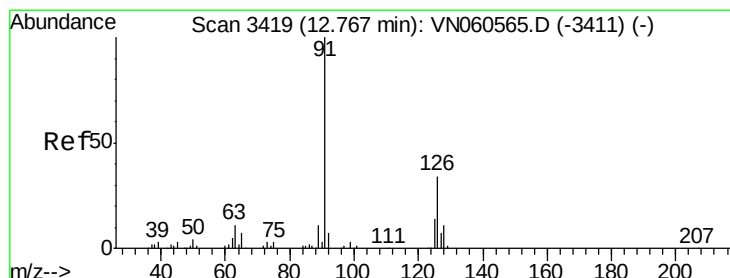
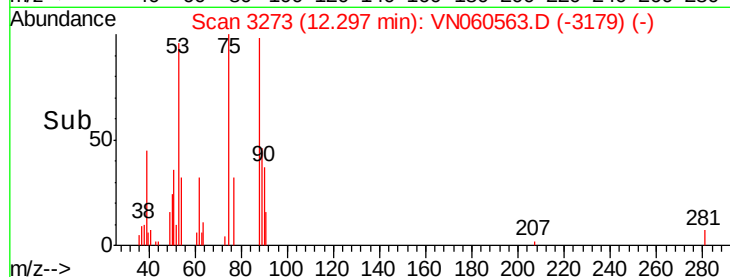
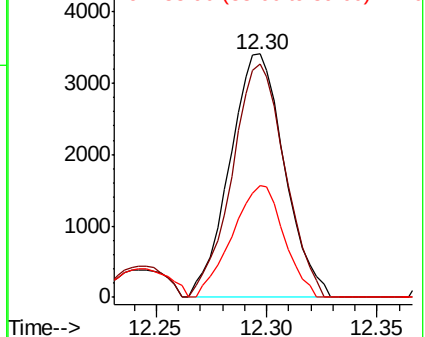
89 43.5 34.8 52.2



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: 5.071 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060563.D

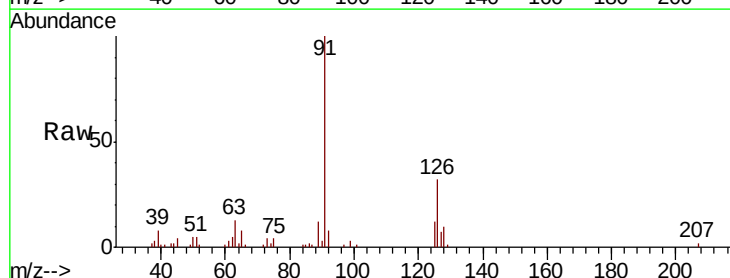
Acq: 17 Mar 2020 18:27

Tgt Ion: 91 Resp: 41002

Ion Ratio Lower Upper

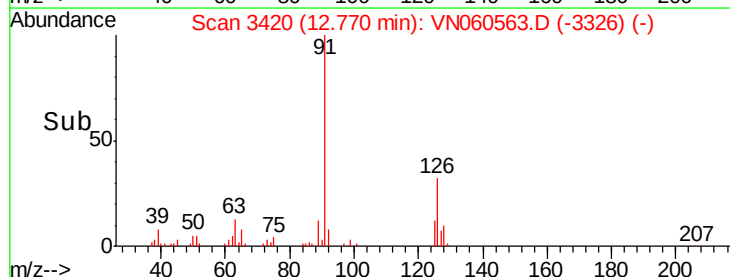
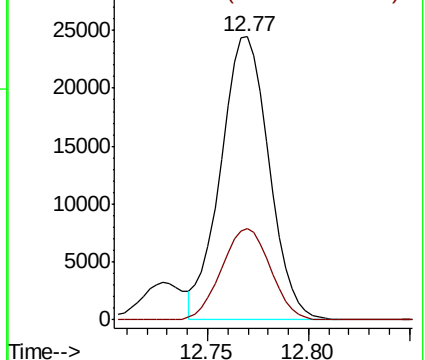
91 100

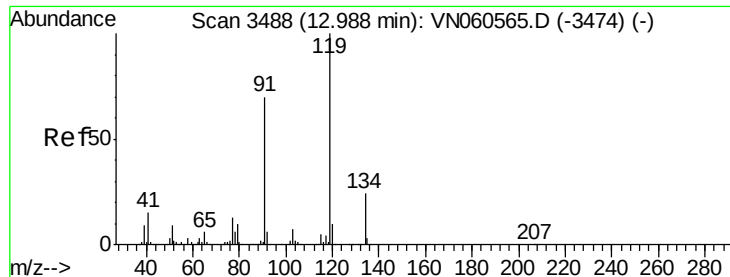
126 32.5 16.2 48.5



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

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

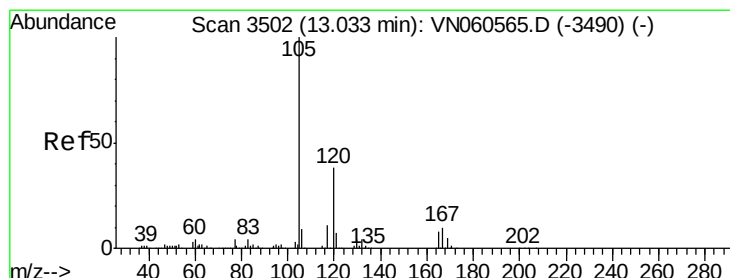
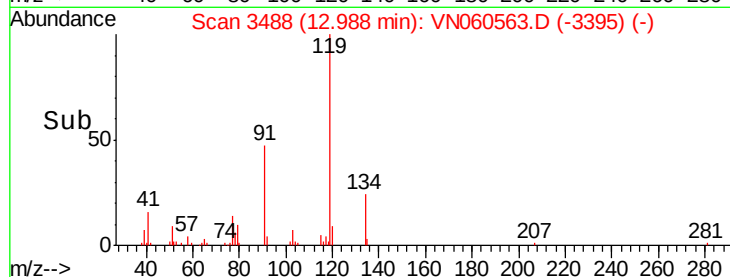
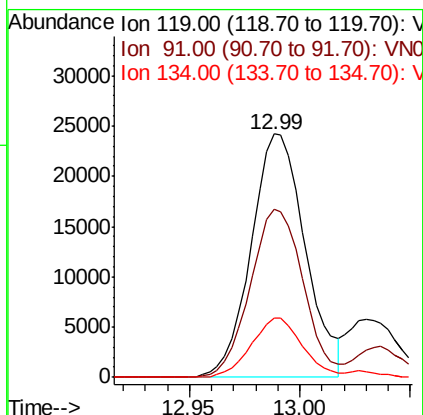
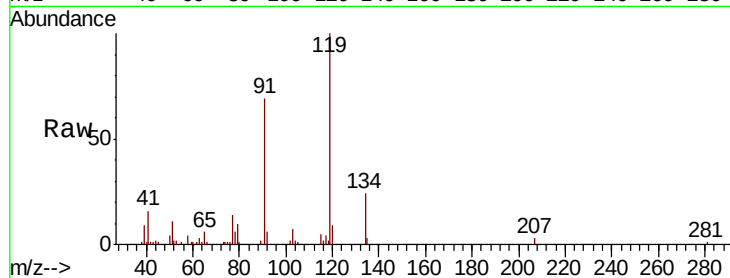




#83
 tert-Butylbenzene
 Concen: 5.110 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

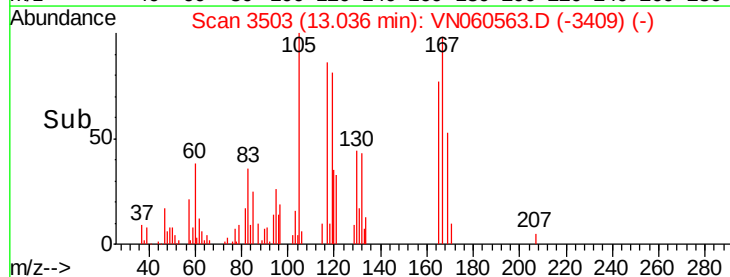
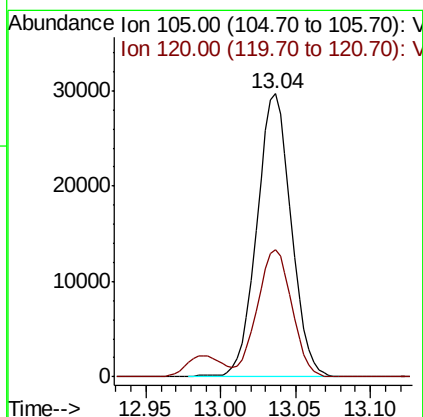
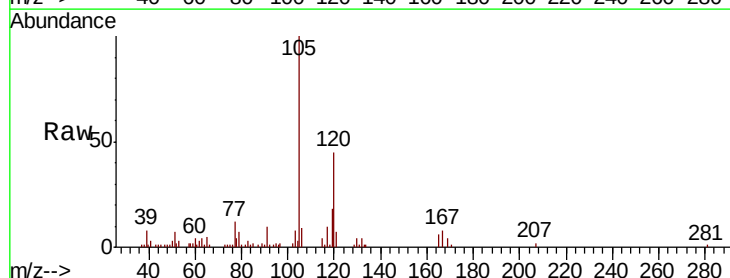
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

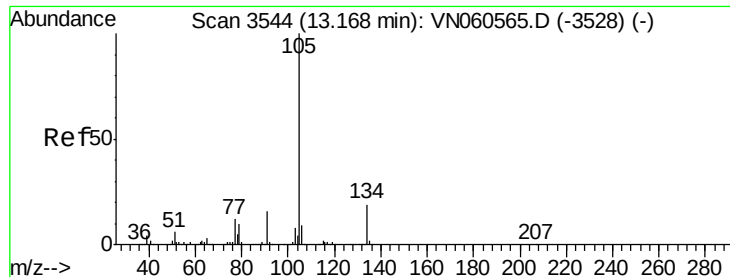
Tot Ion:119 Resp: 41107
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.0 101.8
 134 23.0 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 5.020 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion:105 Resp: 47320
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 5.013 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

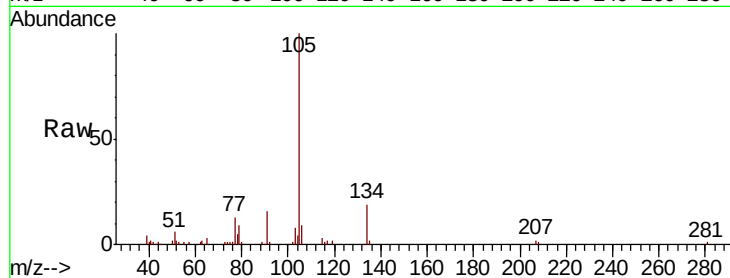
VSTDIC005

Tot Ion:105 Resp: 54119

Ion Ratio Lower Upper

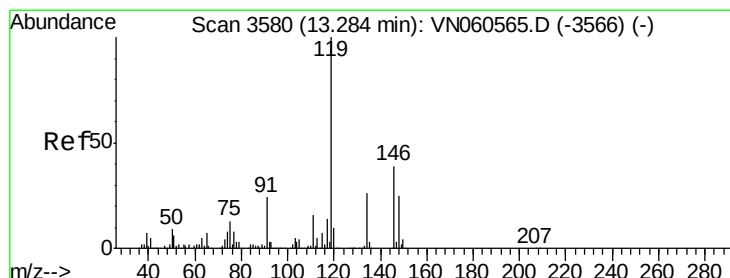
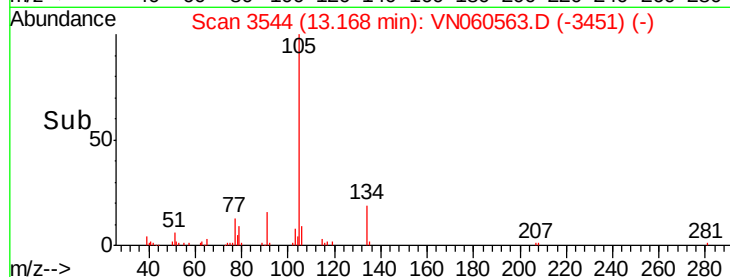
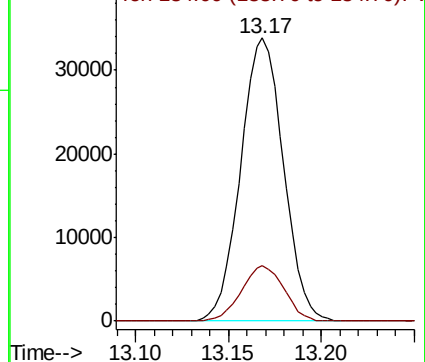
105 100

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



#86

p-Isopropyltoluene

Concen: 4.796 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

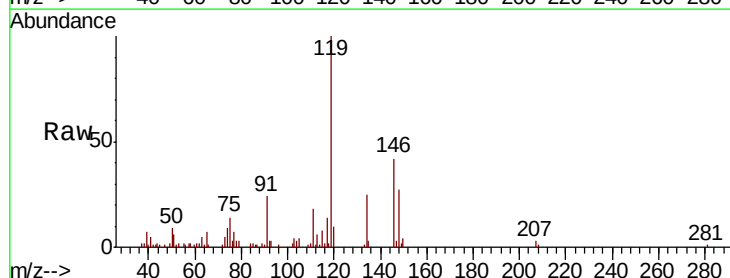
Tgt Ion:119 Resp: 47813

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

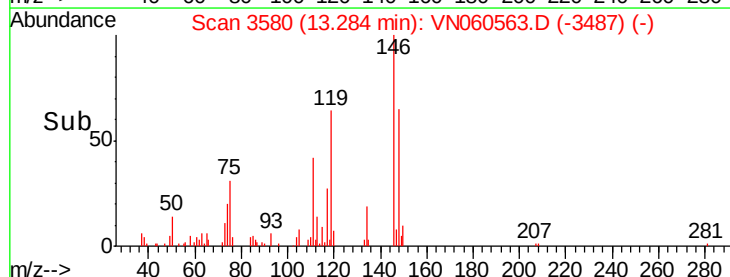
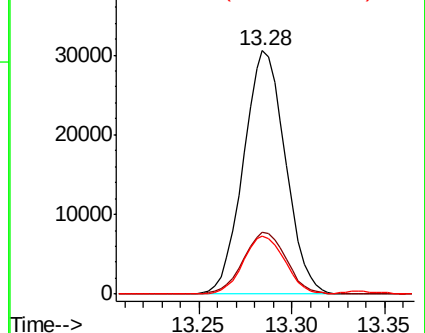
91 23.8 12.0 36.0

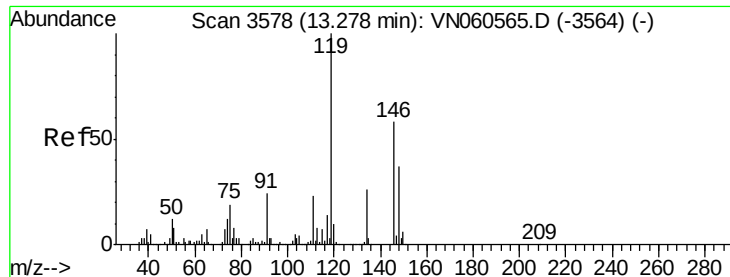


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

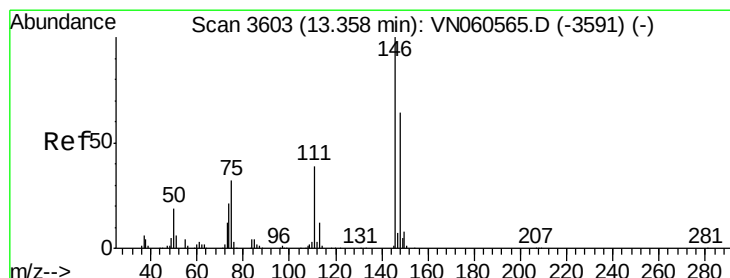
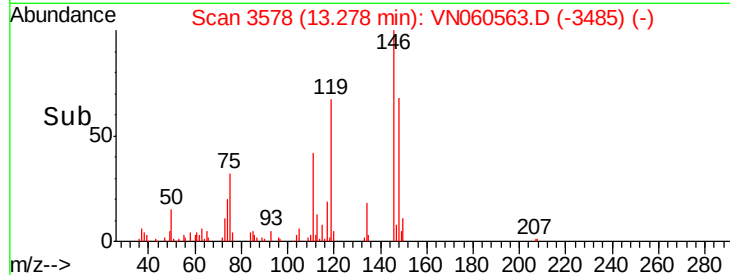
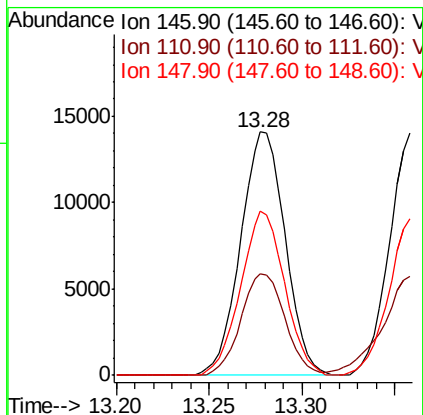
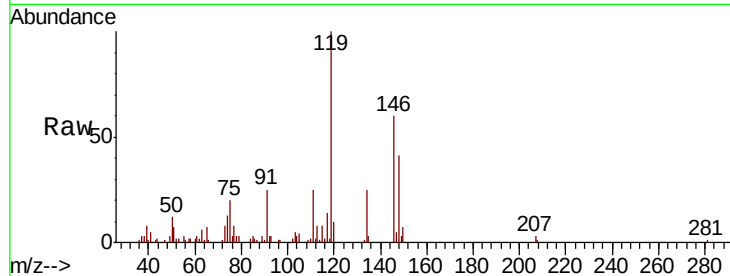




#87
 1,3-Dichlorobenzene
 Concen: 4.648 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

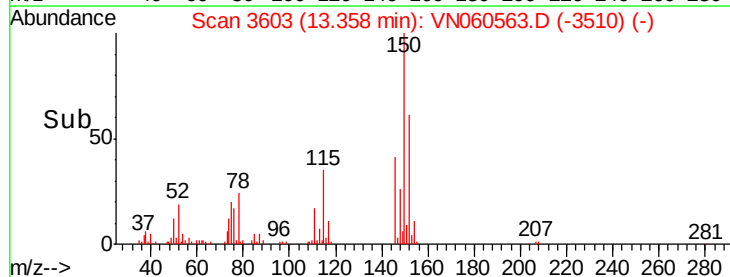
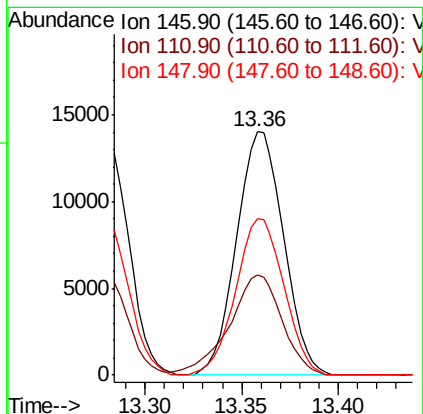
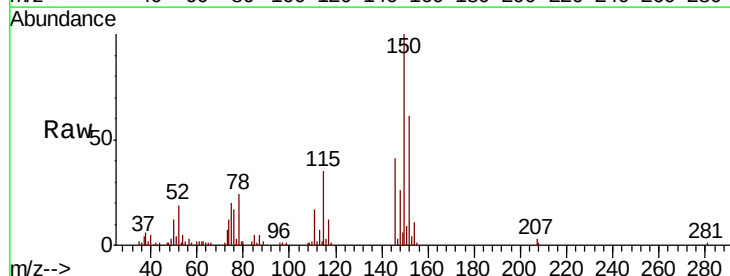
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

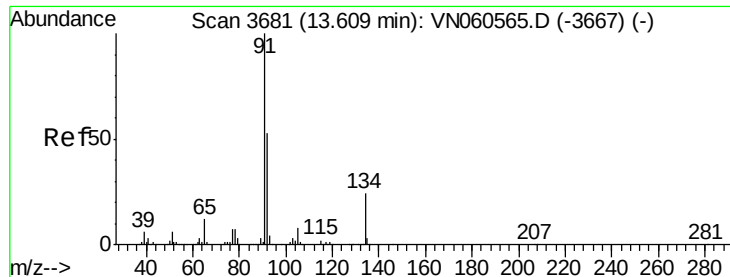
Tot Ion:146 Resp: 23595
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.3 60.8
 148 66.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 4.683 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion:146 Resp: 23719
 Ion Ratio Lower Upper
 146 100
 111 46.3 19.6 58.7
 148 66.0 32.1 96.3





#89

n-Butylbenzene

Concen: 4.566 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060563.D

Acq: 17 Mar 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

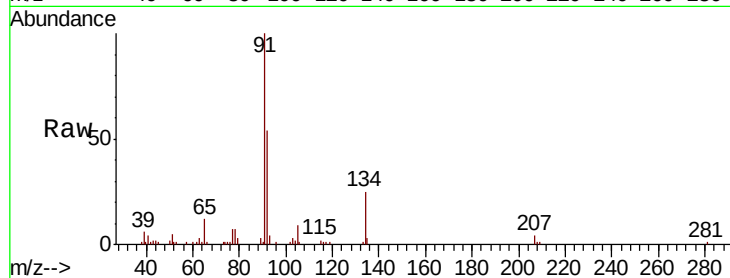
Tot Ion: 91 Resp: 41764

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.5

134 25.0 12.3 36.9

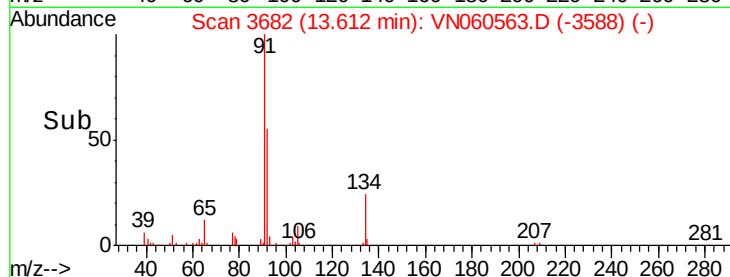


Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3667) (-)

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

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

Time-->

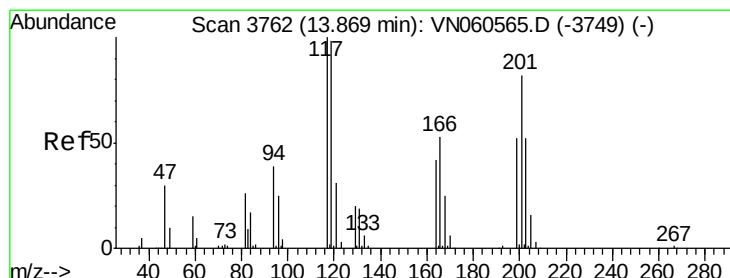


Abundance Ion 91.00 (90.70 to 91.70): VN060563.D (-3588) (-)

Ion 92.00 (91.70 to 92.70): VN060563.D (-3588) (-)

Ion 134.00 (133.70 to 134.70): VN060563.D (-3588) (-)

Time-->



#90

Hexachloroethane

Concen: 4.644 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060563.D

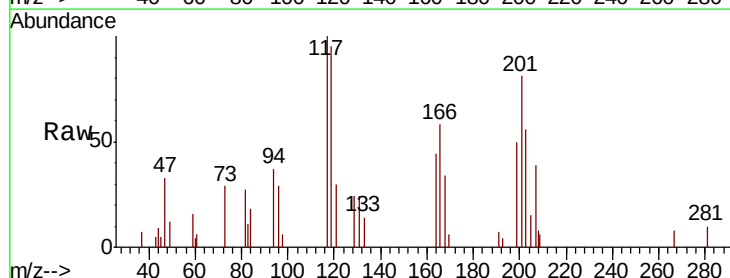
Acq: 17 Mar 2020 18:27

Tgt Ion: 117 Resp: 6692

Ion Ratio Lower Upper

117 100

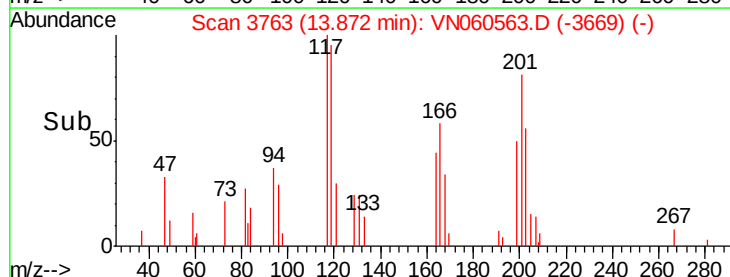
201 77.5 40.8 122.5



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

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

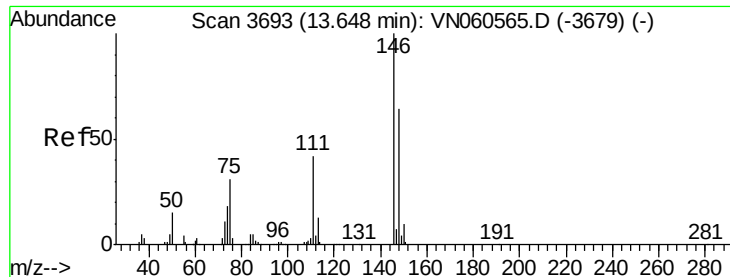
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN060563.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN060563.D (-3669) (-)

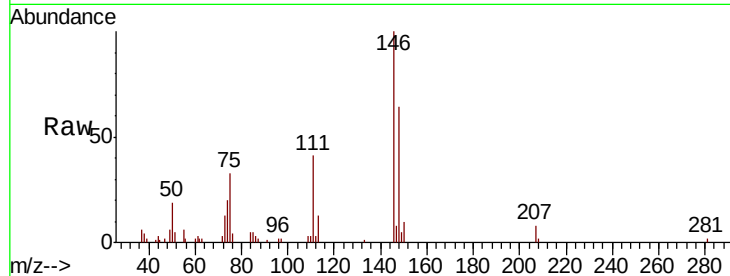
Time-->



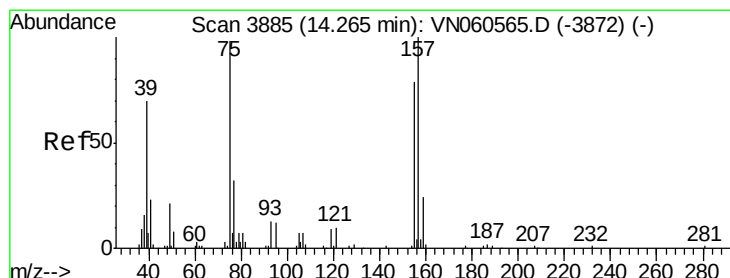
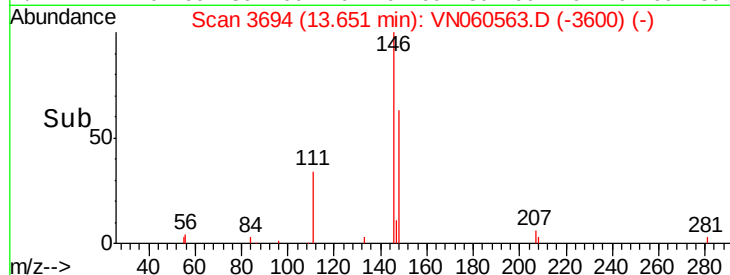
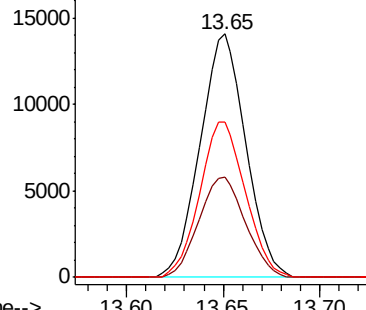
#91
 1,2-Dichlorobenzene
 Concen: 4.868 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	63.5	31.9	95.5

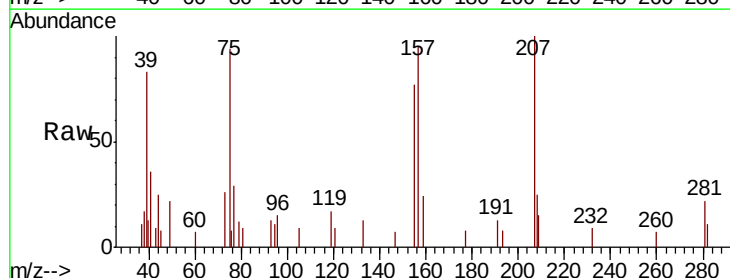


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

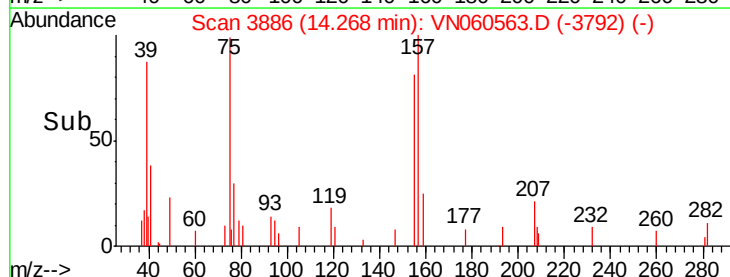
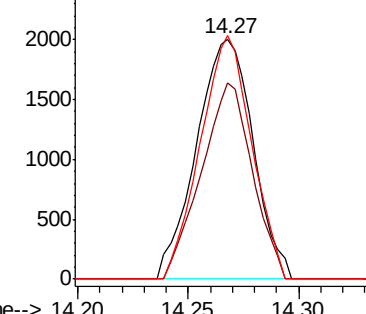


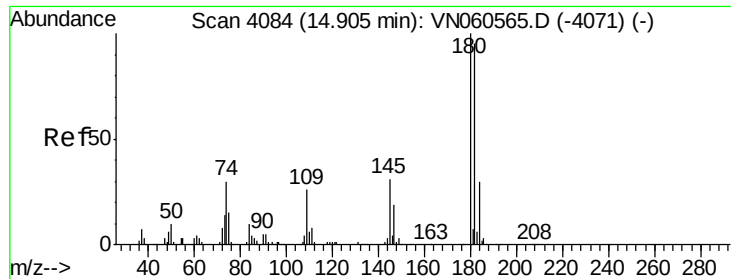
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.226 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	40.7	122.1
157	91.5	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

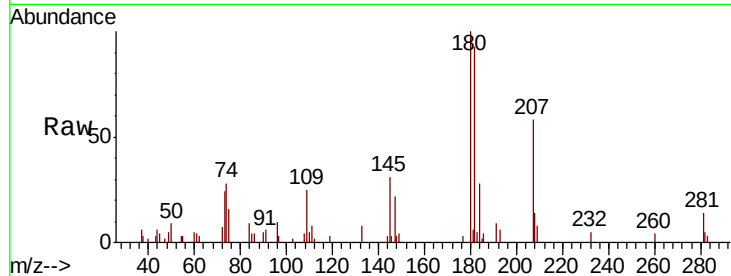




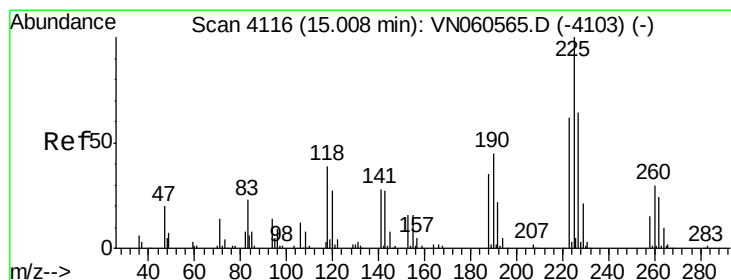
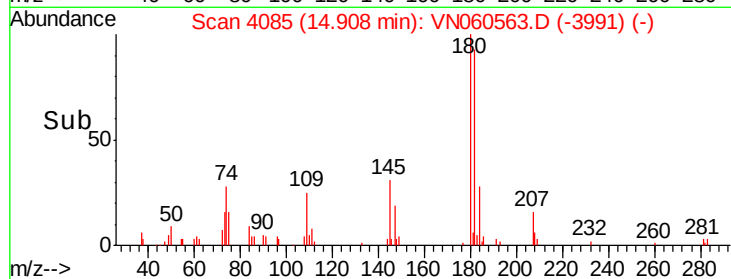
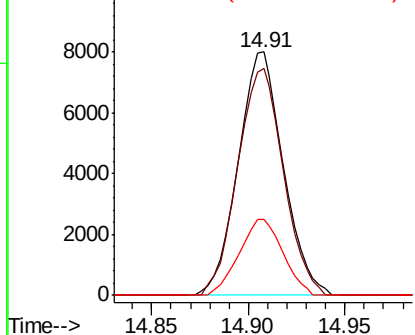
#93
 1,2,4-Trichlorobenzene
 Concen: 3.891 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 13000
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.9 143.8
 145 30.1 15.4 46.2

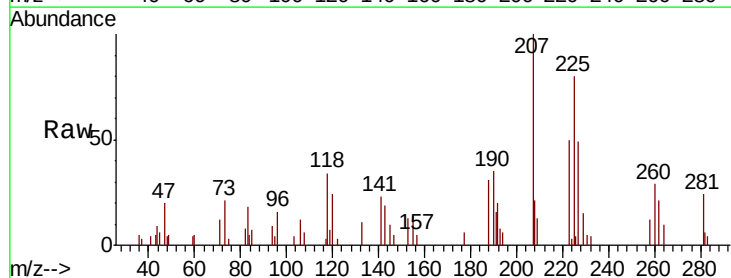


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

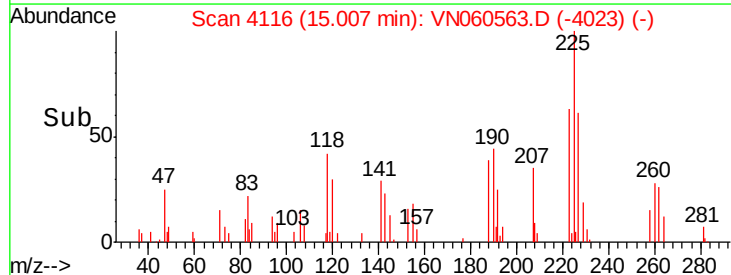
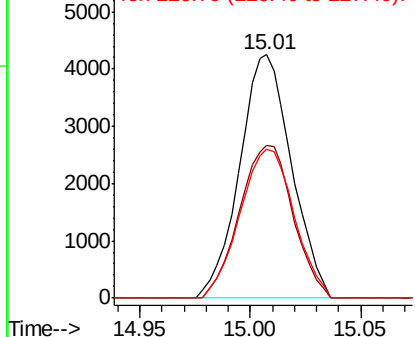


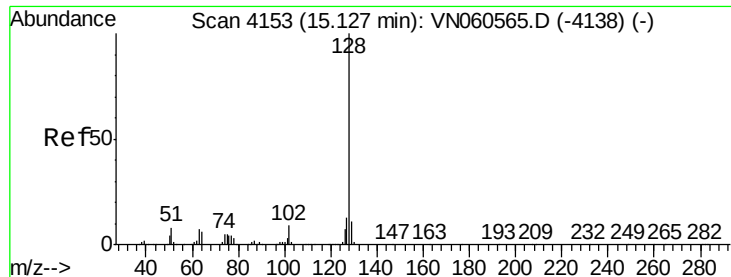
#94
 Hexachlorobutadiene
 Concen: 4.387 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060563.D
 Acq: 17 Mar 2020 18:27

Tgt Ion:225 Resp: 6959
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.6 95.0
 227 63.7 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

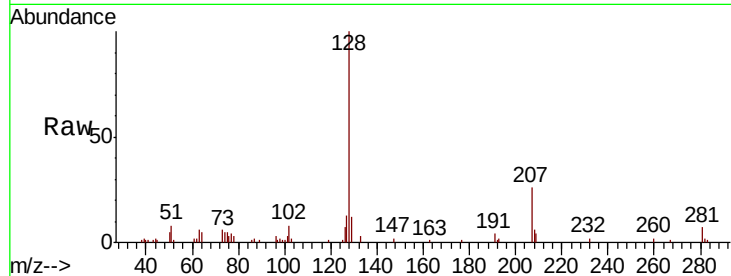




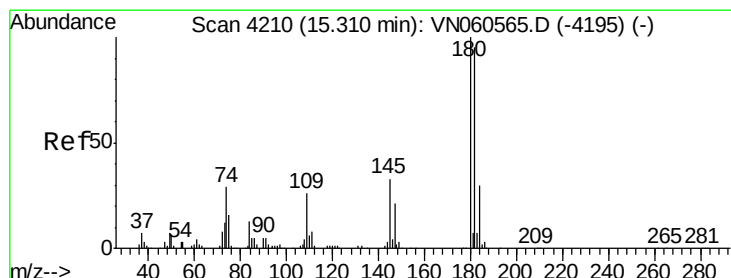
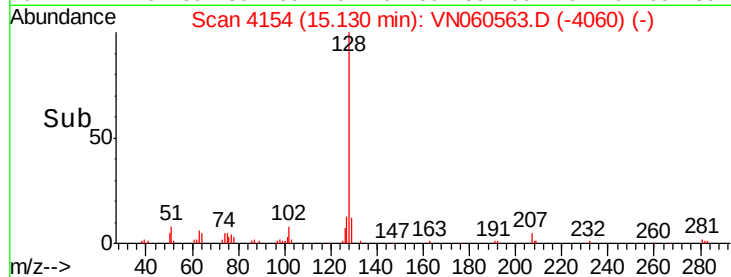
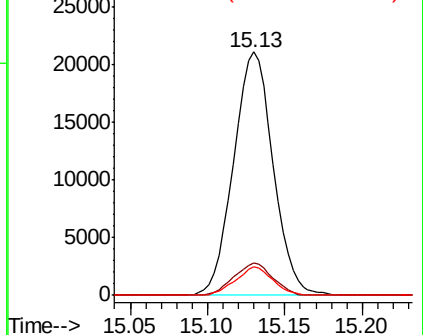
#95
Naphthalene
Concen: 3.891 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:128 Resp: 37527
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.8 8.8 13.2

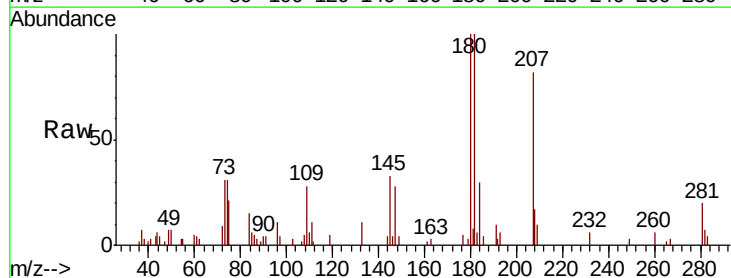


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.046 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060563.D
Acq: 17 Mar 2020 18:27

Tgt Ion:180 Resp: 12722
Ion Ratio Lower Upper
180 100
182 98.3 47.5 142.6
145 33.4 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

