

Data File : VV015143.D
Acq On : 25 Mar 2020 18:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Quant Time: Mar 26 01:46:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 25 19:57:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	683094	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	670623	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	317200	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	259228	45.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.78%
7) Chloroethane-d5	1.58	69	241261	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.26%
11) 1,1-Dichloroethene-d2	2.12	63	544055	48.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.70%
21) 2-Butanone-d5	3.94	46	377217	100.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.65%
24) Chloroform-d	4.38	84	460863	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	5.06	65	296982	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
32) Benzene-d6	5.08	84	895748	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
36) 1,2-Dichloropropane-d6	6.09	67	284873	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.84%
41) Toluene-d8	7.34	98	870089	47.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.16%
43) trans-1,3-Dichloropropene-	7.64	79	159198	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.74%
47) 2-Hexanone-d5	8.11	63	296376	96.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.43%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	433848	48.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	326618	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	273638	51.741	ug/L	99
3) Chloromethane	1.25	50	289482	51.388	ug/L	99
5) Vinyl chloride	1.32	62	299924	52.238	ug/L	99
6) Bromomethane	1.53	94	192205	52.654	ug/L	97
8) Chloroethane	1.60	64	199672	47.922	ug/L	100
9) Trichlorofluoromethane	1.77	101	489781	54.271	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	257234	53.899	ug/L	98
12) 1,1-Dichloroethene	2.13	96	244486	53.205	ug/L	97
13) Acetone	2.13	43	3719	1.890	ug/L	81
14) Carbon disulfide	2.31	76	620516	50.864	ug/L	99
15) Methyl Acetate	2.46	43	234889	53.098	ug/L	99
16) Methylene chloride	2.53	84	234032	52.797	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	215453	52.965	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	740768	54.252	ug/L	99
19) 1,1-Dichloroethane	3.21	63	400611	54.032	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	237556	52.855	ug/L #	98
22) 2-Butanone	4.02	43	343318	107.056	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	120027	53.245	ug/L	99
25) Chloroform	4.41	83	417656	53.866	ug/L	99
27) 1,2-Dichloroethane	5.16	62	325141	54.122	ug/L	99
29) Cyclohexane	4.70	56	363937	51.540	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	381504	52.453	ug/L	99
31) Carbon tetrachloride	4.86	117	325954	51.900	ug/L	98
33) Benzene	5.13	78	906914	52.551	ug/L	100
34) Trichloroethene	5.94	95	233487	51.063	ug/L	97
35) Methylcyclohexane	6.15	83	390957	50.888	ug/L	99
37) 1,2-Dichloropropane	6.20	63	229767	52.712	ug/L	99
38) Bromodichloromethane	6.53	83	330418	52.977	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	400785	53.324	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	705207	106.812	ug/L	99
42) Toluene	7.41	91	1017194	53.030	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	392386	53.786	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	230079	53.620	ug/L	99
46) Tetrachloroethene	8.00	164	166046	50.888	ug/L	98
48) 2-Hexanone	8.16	43	556523	110.586	ug/L	98
49) Dibromochloromethane	8.27	129	255958	52.366	ug/L	98
50) 1,2-Dibromoethane	8.37	107	247538	52.441	ug/L	99
51) Chlorobenzene	8.90	112	660503	53.088	ug/L	99
52) Ethylbenzene	9.03	91	1155308	53.699	ug/L	99
53) m,p-Xylene	9.16	106	447346	52.881	ug/L	99
54) o-xylene	9.57	106	445797	53.984	ug/L	96
55) Styrene	9.58	104	762239	54.105	ug/L	99
56) Isopropylbenzene	9.95	105	1145877	53.260	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	383971	53.154	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	309123	53.234	ug/L	100
61) Bromoform	9.75	173	171912	52.075	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	492504	53.012	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	492119	51.994	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	499672	53.308	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	103833	51.008	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	317624	50.733	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	303103	51.420	ug/L	99
69) Naphthalene	13.52	128	1211250	53.713	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	310393	52.987	ug/L	99

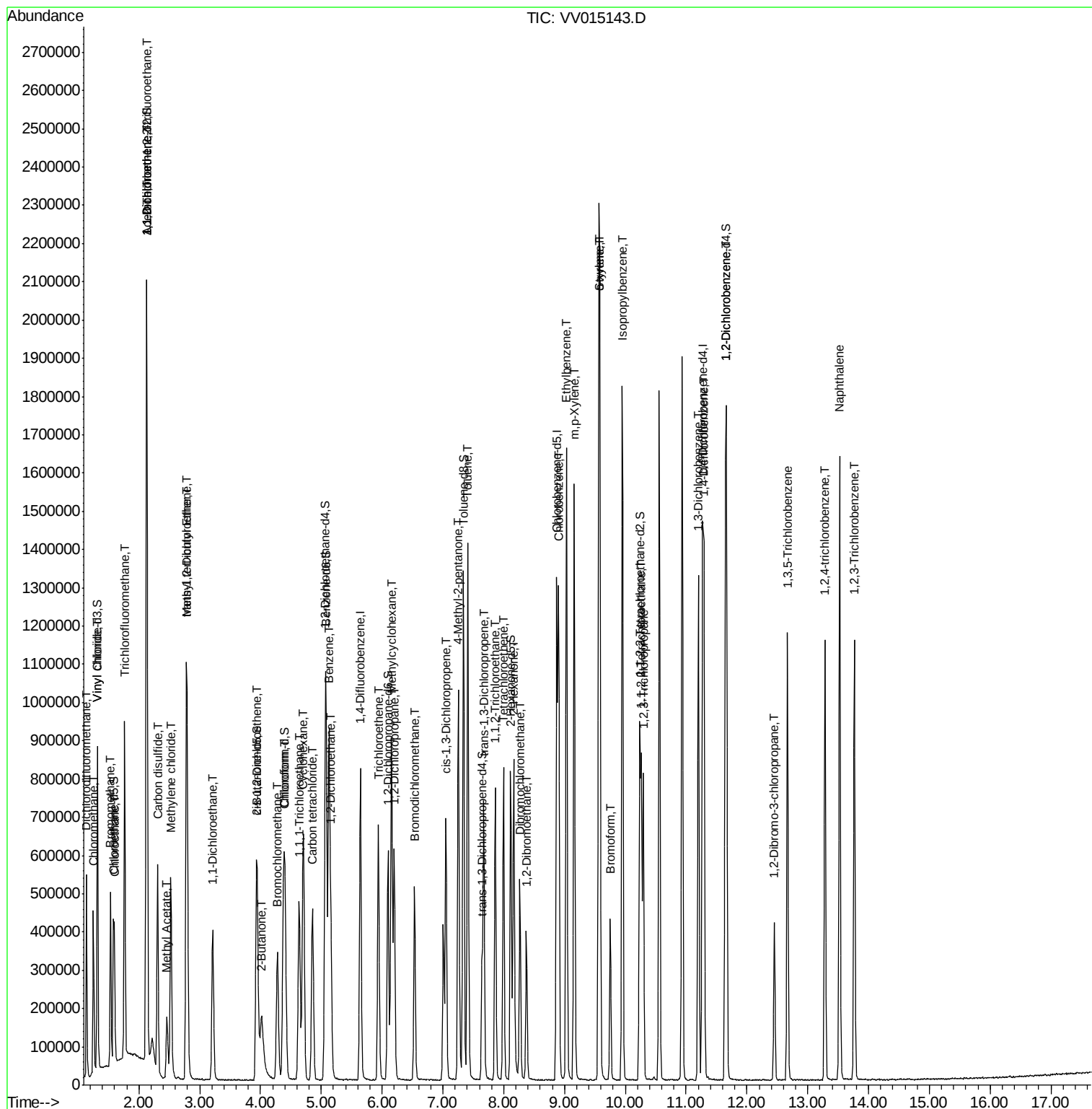
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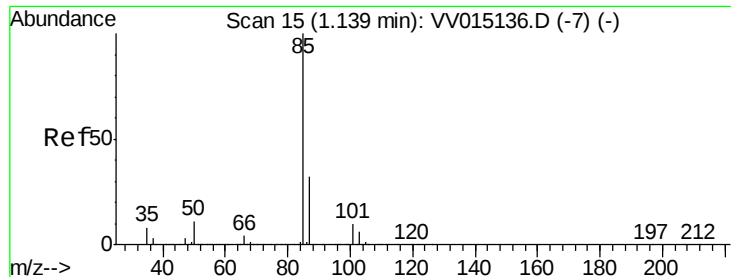
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#2

Dichlorodifluoromethane

Concen: 51.741 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

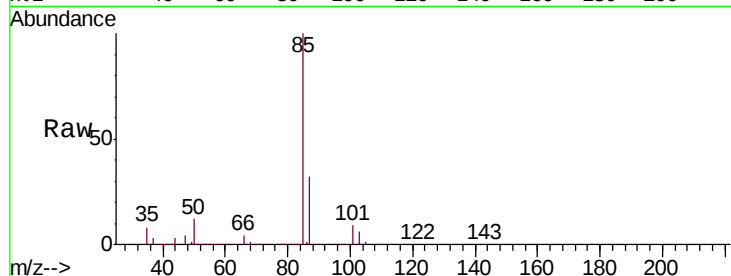
VSTD05073

Tgt Ion: 85 Resp: 273638

Ion Ratio Lower Upper

85 100

87 32.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

300000

250000

200000

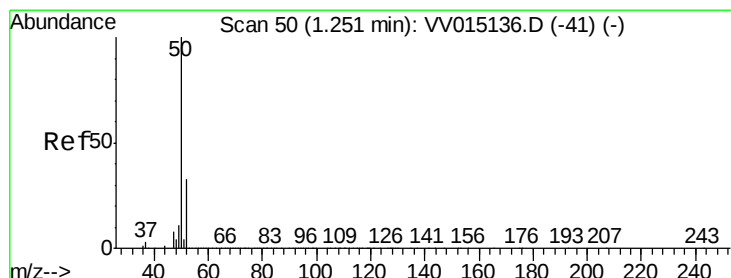
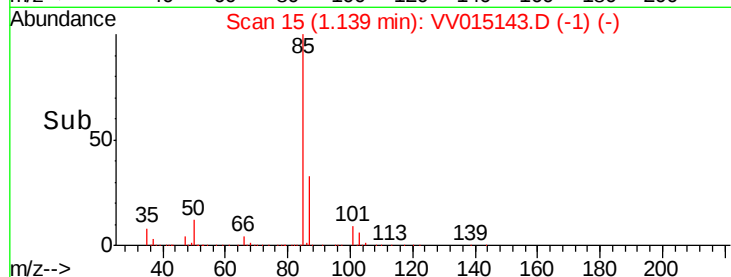
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.388 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015143.D

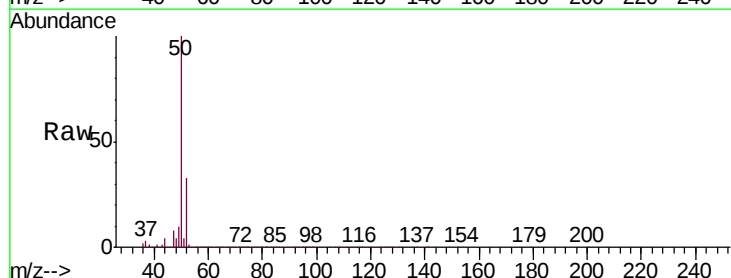
Acq: 25 Mar 2020 18:05

Tgt Ion: 50 Resp: 289482

Ion Ratio Lower Upper

50 100

52 33.1 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

300000

250000

200000

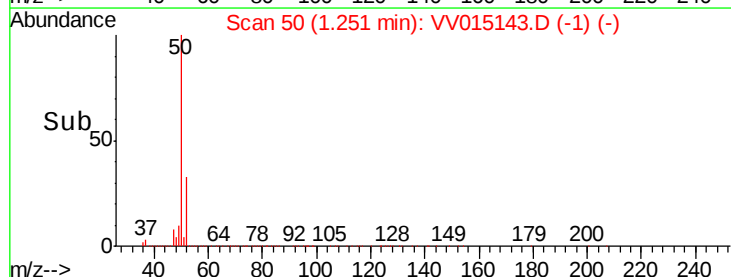
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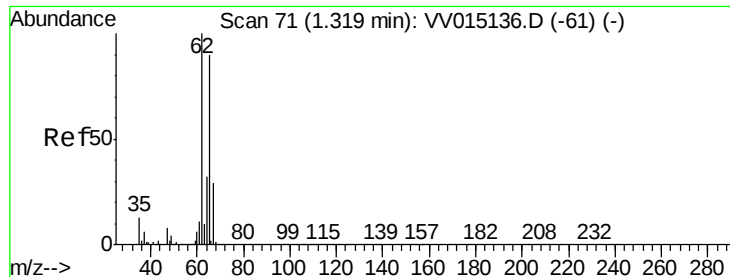
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 52.238 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

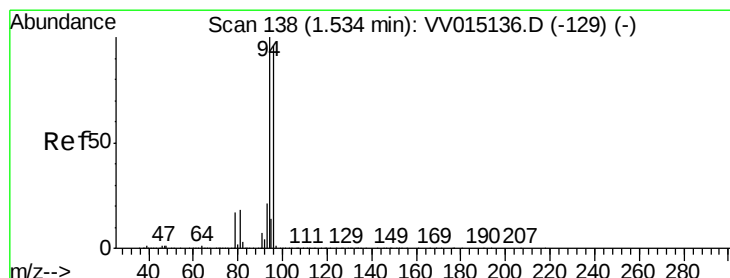
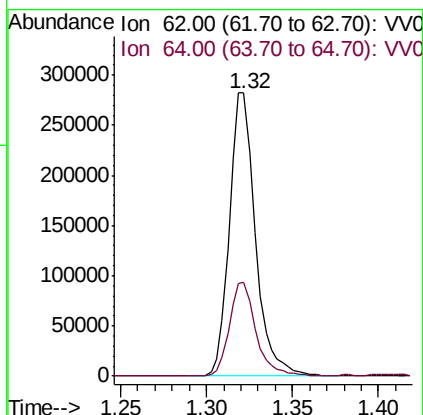
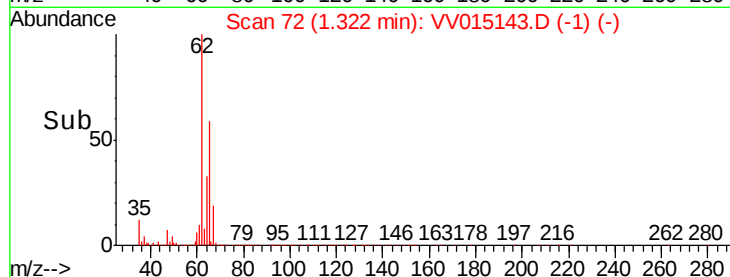
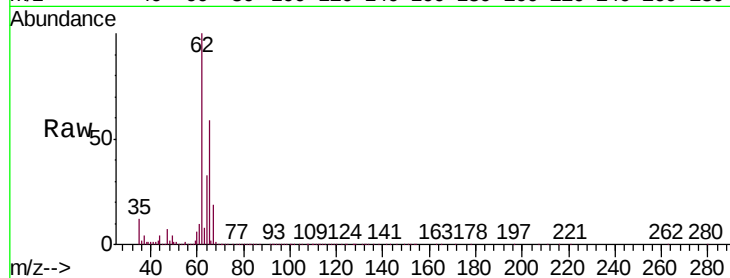
VSTD05073

Tgt Ion: 62 Resp: 299924

Ion Ratio Lower Upper

62 100

64 33.1 22.8 42.4



#6

Bromomethane

Concen: 52.654 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV015143.D

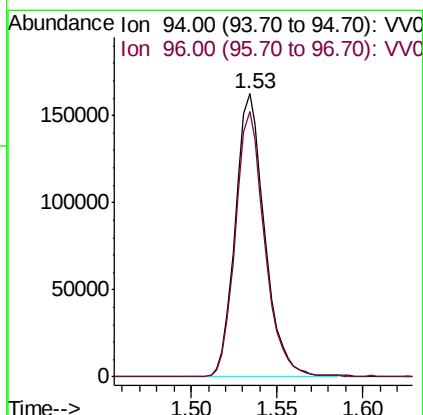
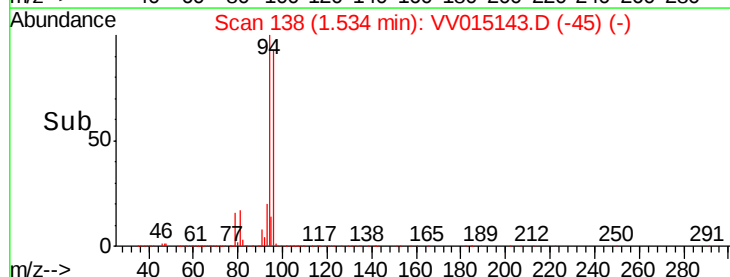
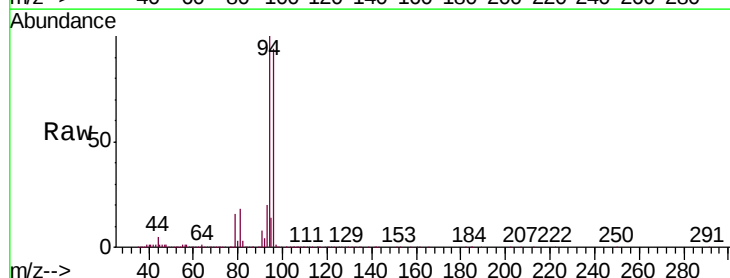
Acq: 25 Mar 2020 18:05

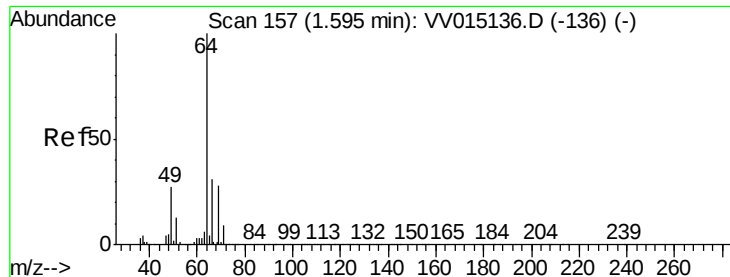
Tgt Ion: 94 Resp: 192205

Ion Ratio Lower Upper

94 100

96 93.6 67.7 125.7





#8

Chloroethane

Concen: 47.922 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

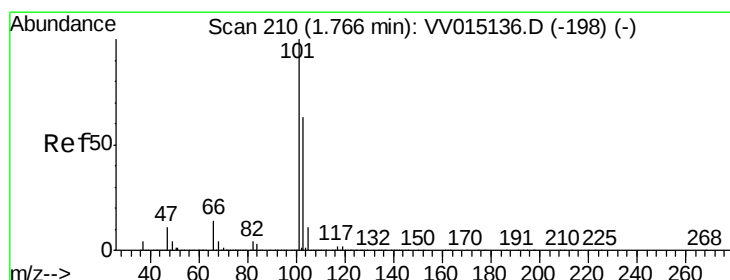
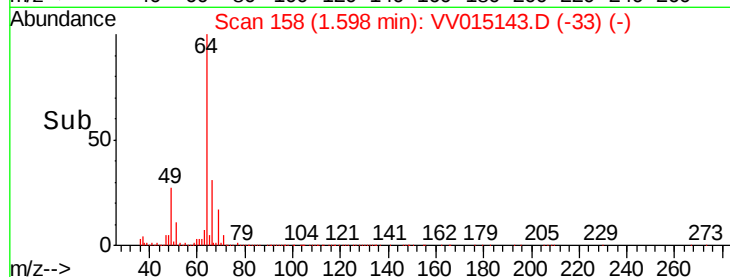
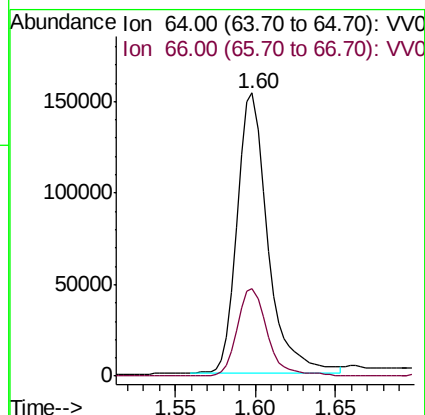
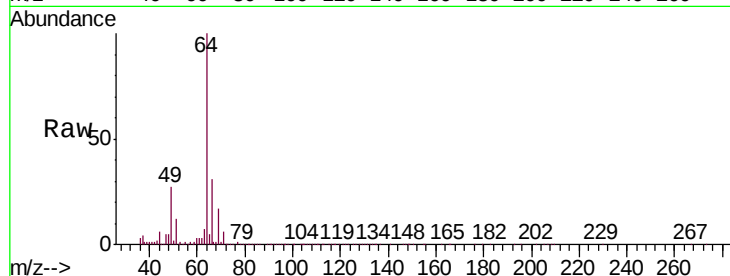
VSTD05073

Tgt Ion: 64 Resp: 199672

Ion Ratio Lower Upper

64 100

66 30.9 21.6 40.2



#9

Trichlorofluoromethane

Concen: 54.271 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV015143.D

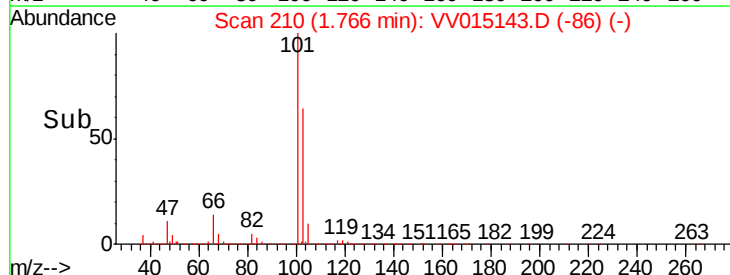
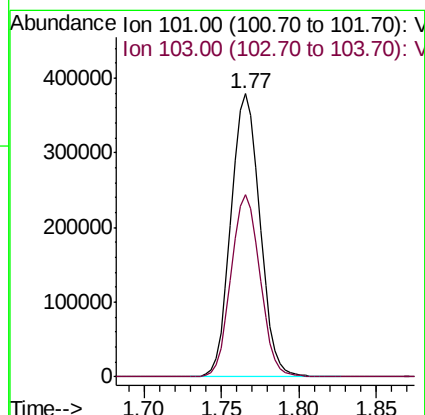
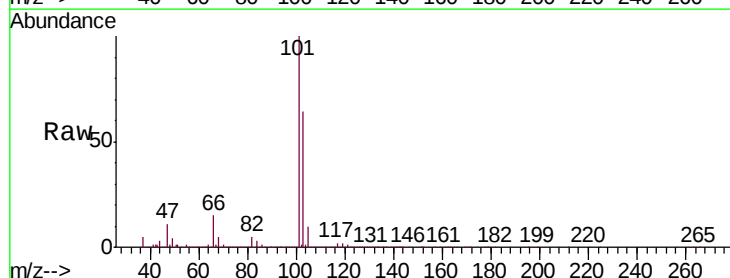
Acq: 25 Mar 2020 18:05

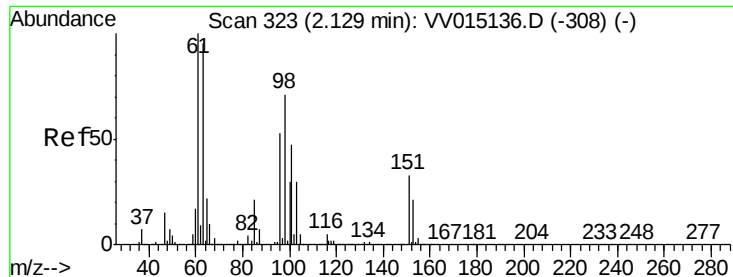
Tgt Ion: 101 Resp: 489781

Ion Ratio Lower Upper

101 100

103 64.5 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 53.899 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

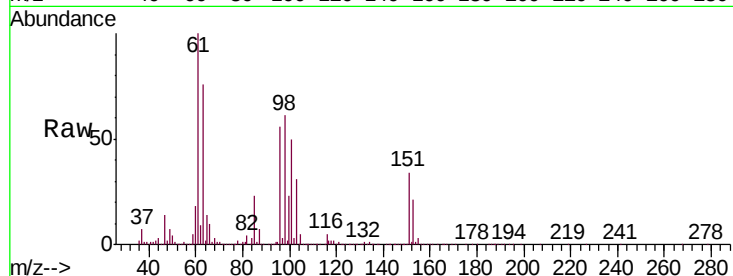
Tgt Ion:101 Resp: 257234

Ion Ratio Lower Upper

101 100

85 44.6 36.0 54.0

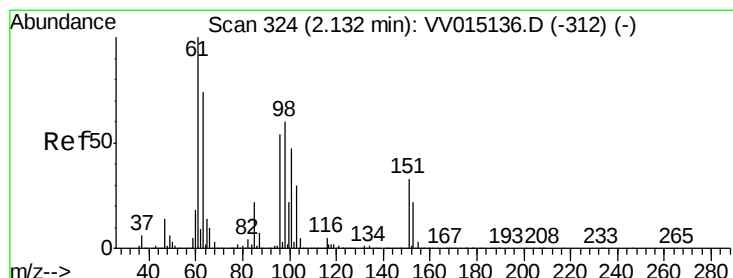
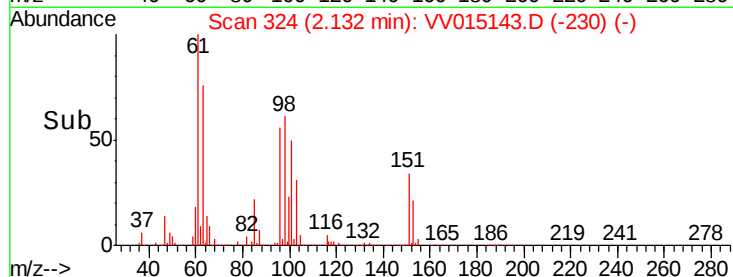
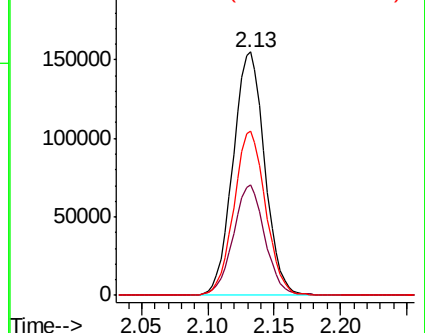
151 67.9 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.205 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

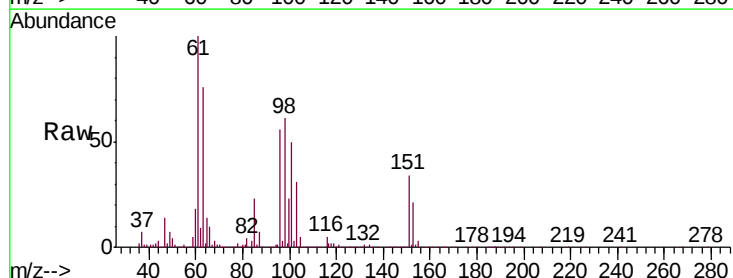
Tgt Ion: 96 Resp: 244486

Ion Ratio Lower Upper

96 100

61 179.0 128.6 238.8

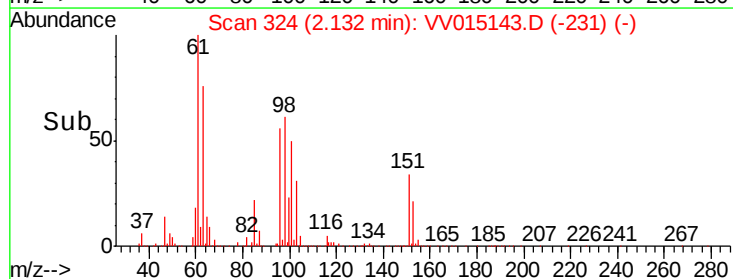
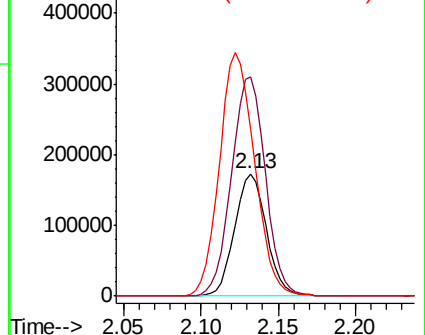
63 136.2 97.5 181.1

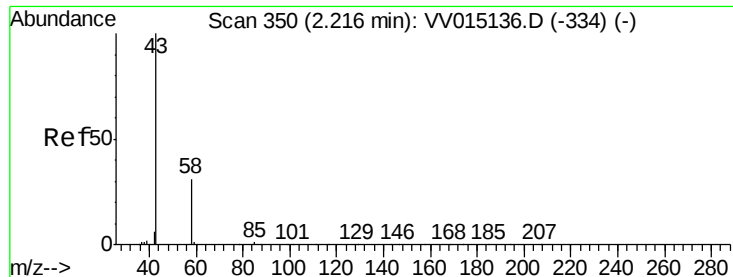


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.890 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.09 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

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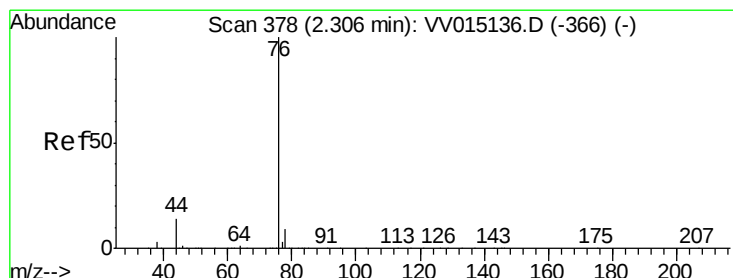
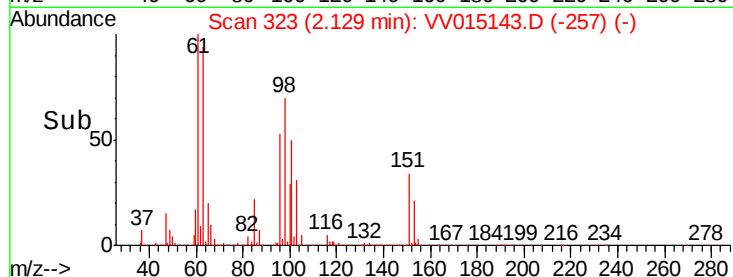
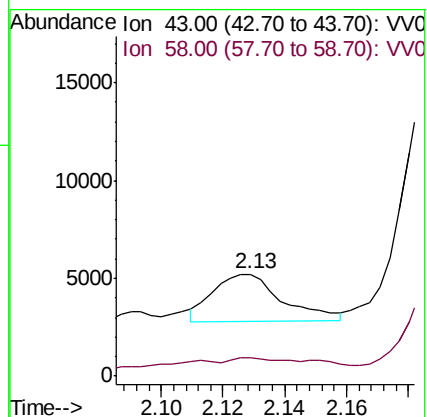
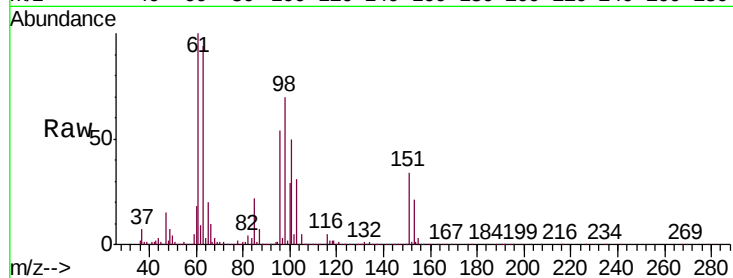
VSTD05073

Tgt Ion: 43 Resp: 3719

Ion Ratio Lower Upper

43 100

58 6.3 0.0 28.4



#14

Carbon disulfide

Concen: 50.864 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015143.D

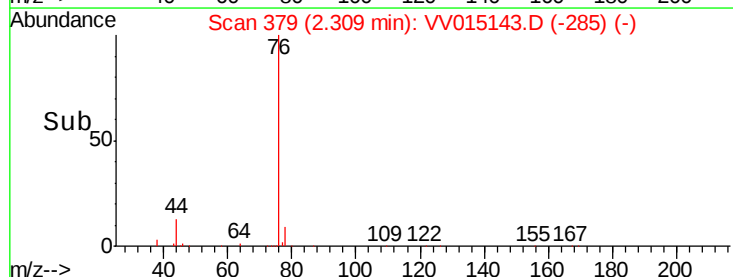
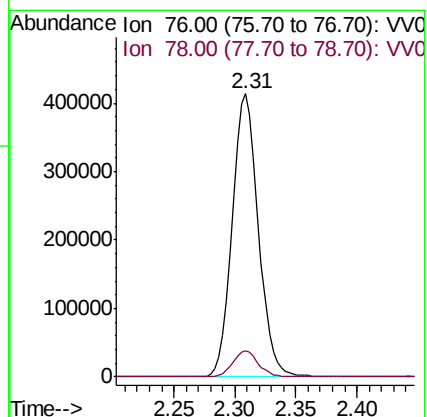
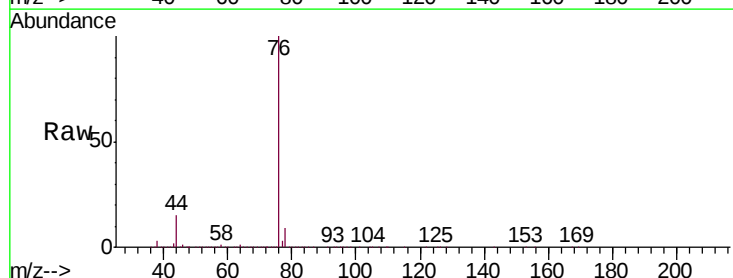
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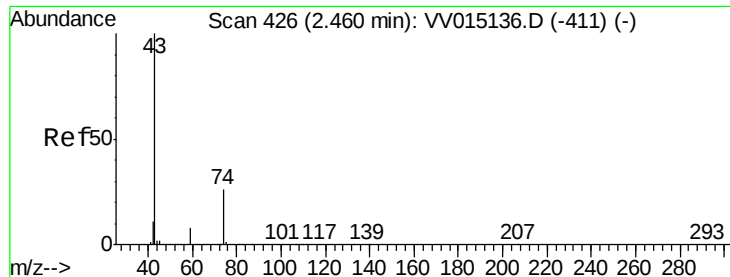
Tgt Ion: 76 Resp: 620516

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

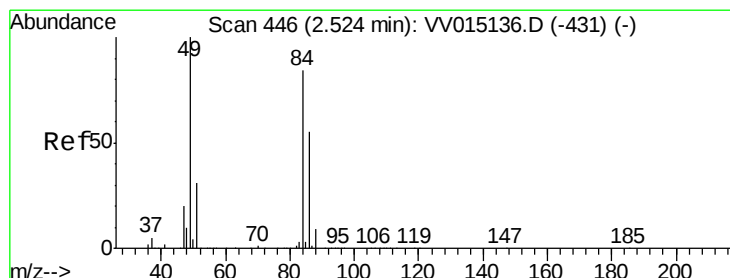
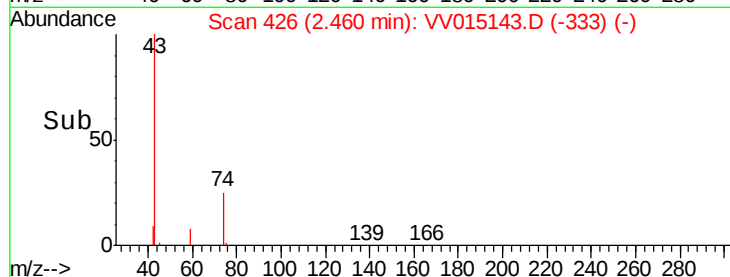
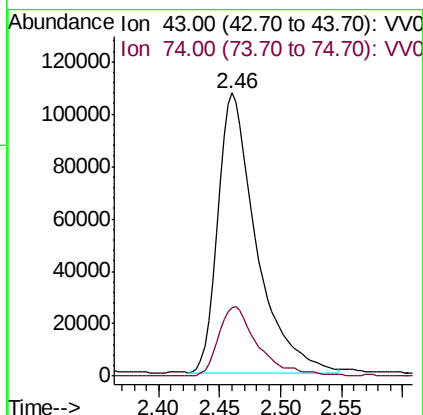
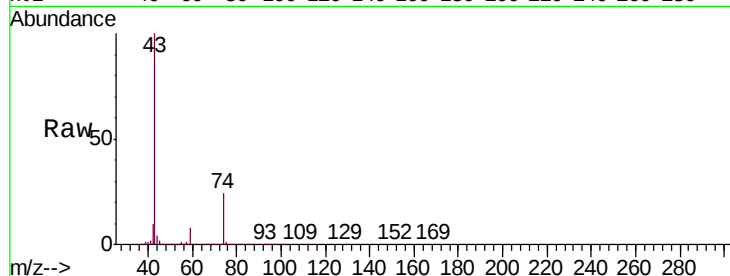




#15
Methyl Acetate
Concen: 53.098 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

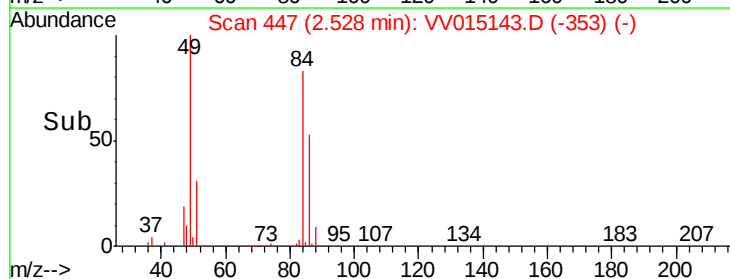
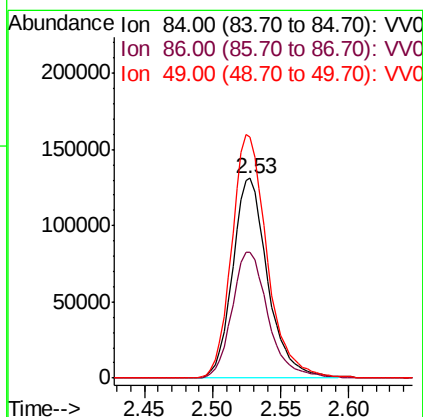
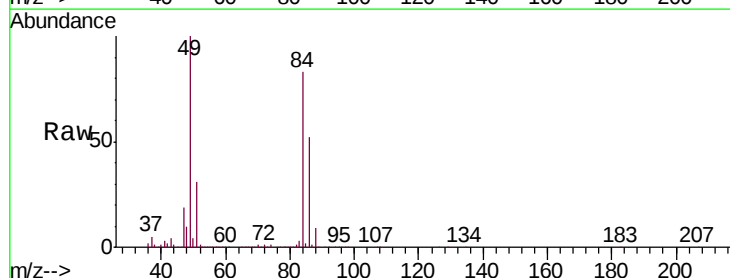
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

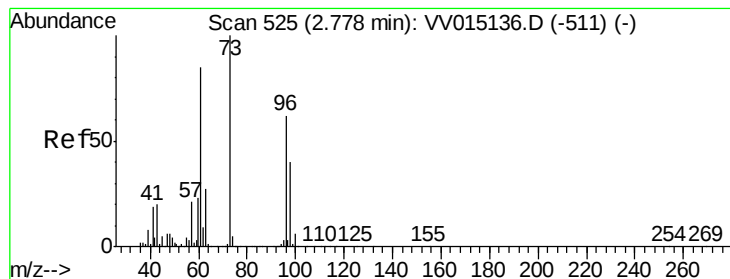
Tgt Ion: 43 Resp: 234889
Ion Ratio Lower Upper
43 100
74 24.0 19.5 29.3



#16
Methylene chloride
Concen: 52.797 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

Tgt Ion: 84 Resp: 234032
Ion Ratio Lower Upper
84 100
86 63.2 45.8 85.2
49 120.5 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 52.965 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

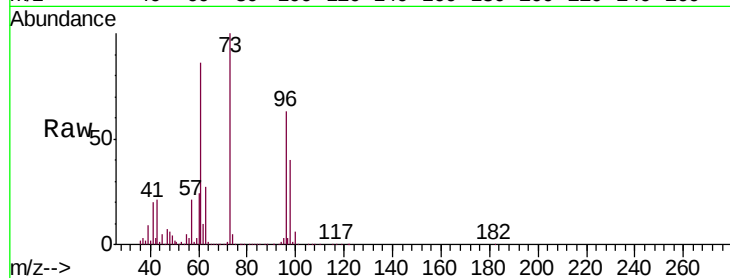
Tgt Ion: 96 Resp: 215453

Ion Ratio Lower Upper

96 100

61 138.2 94.8 176.0

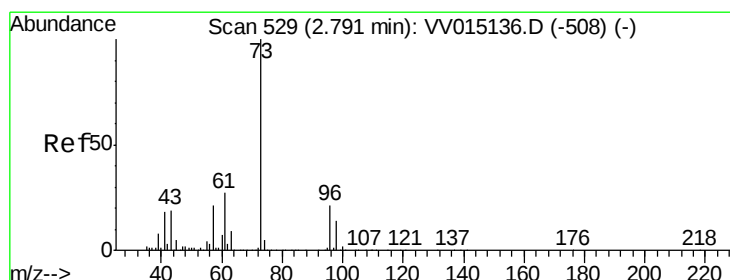
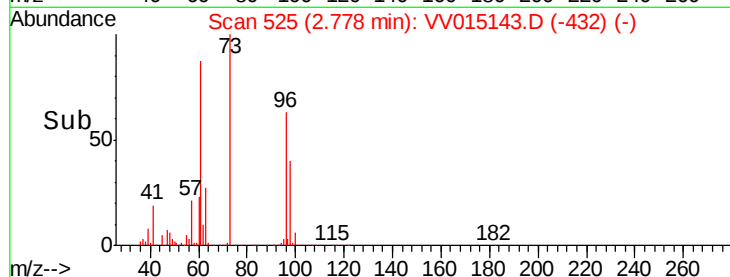
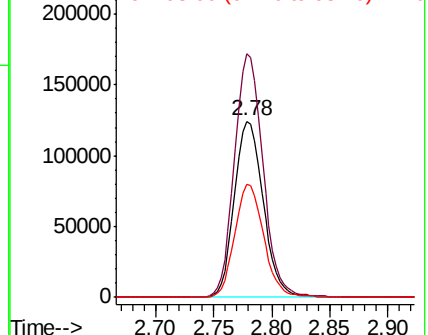
98 64.1 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 54.252 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

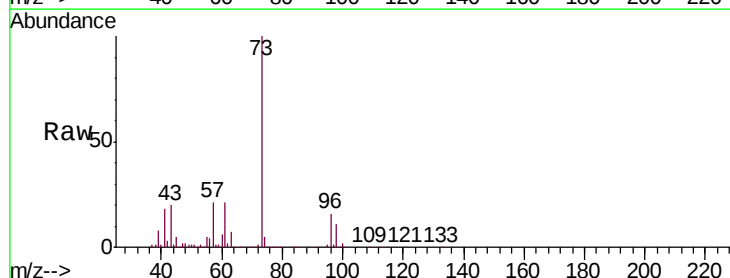
Tgt Ion: 73 Resp: 740768

Ion Ratio Lower Upper

73 100

43 19.6 15.4 23.0

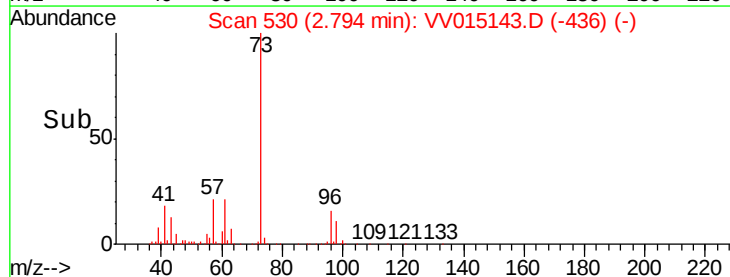
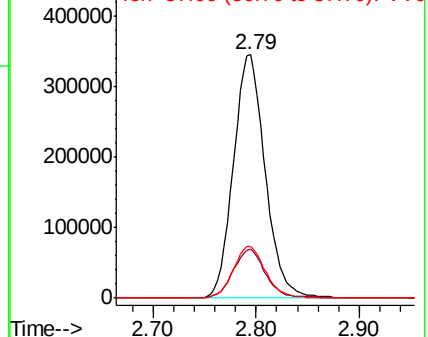
57 21.2 17.0 25.6

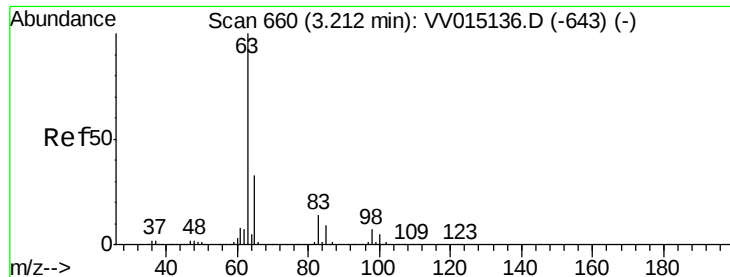


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 54.032 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

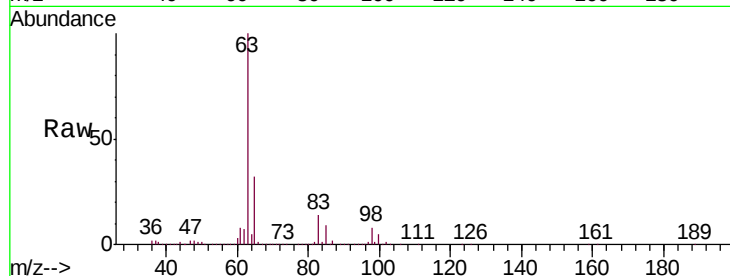
Tgt Ion: 63 Resp: 400611

Ion Ratio Lower Upper

63 100

65 31.9 22.8 42.4

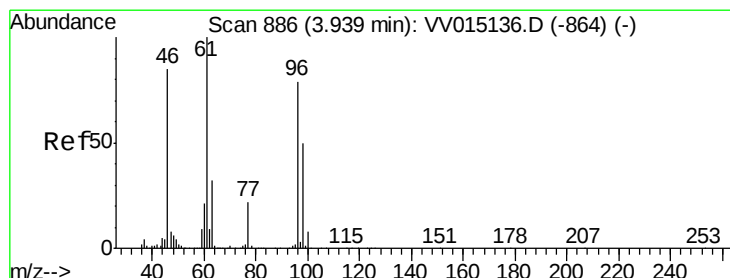
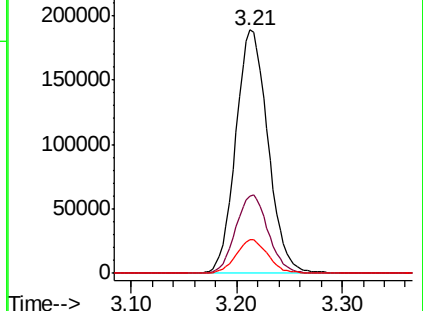
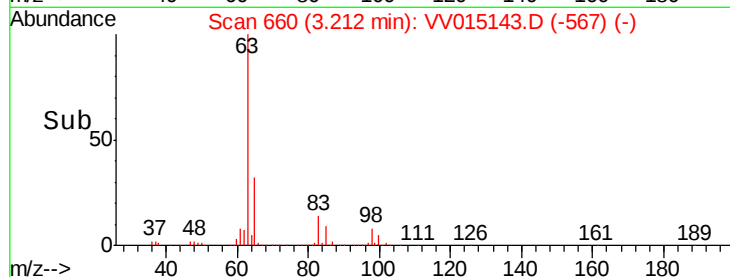
83 13.9 9.9 18.3



Abundance Ion 63.00 (62.70 to 63.70): VV015143.D (-567) (-)

Ion 65.00 (64.70 to 65.70): VV015143.D (-567) (-)

Ion 83.00 (82.70 to 83.70): VV015143.D (-567) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.855 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

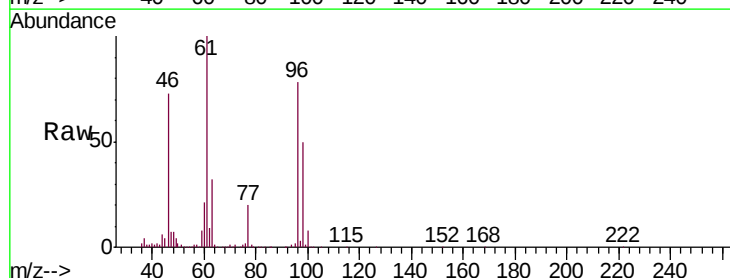
Tgt Ion: 96 Resp: 237556

Ion Ratio Lower Upper

96 100

61 128.2 88.3 163.9

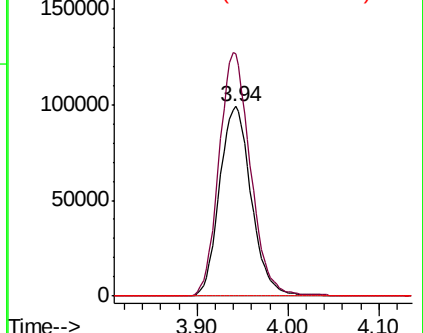
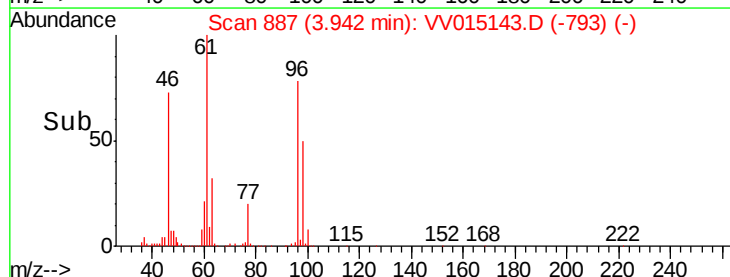
68 0.3 0.1 0.3#

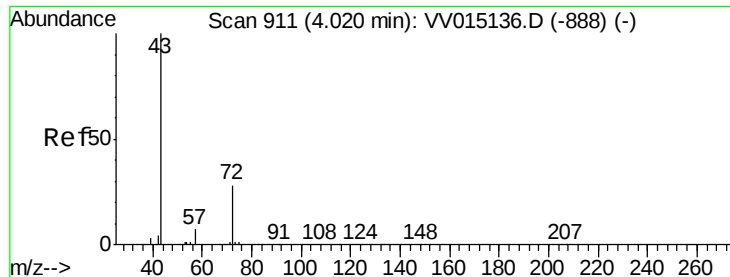


Abundance Ion 96.00 (95.70 to 96.70): VV015143.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV015143.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV015143.D (-793) (-)

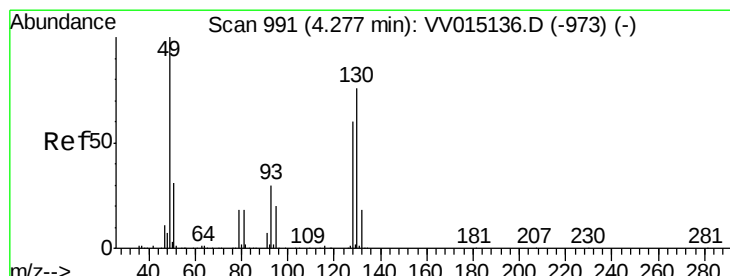
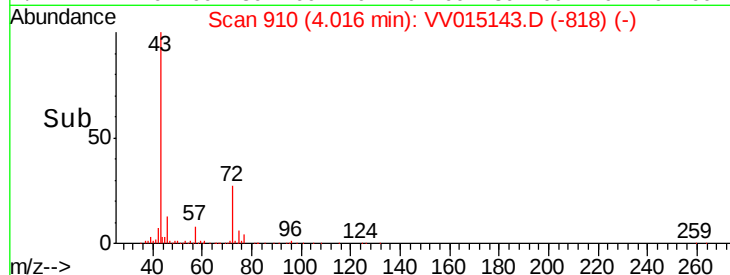
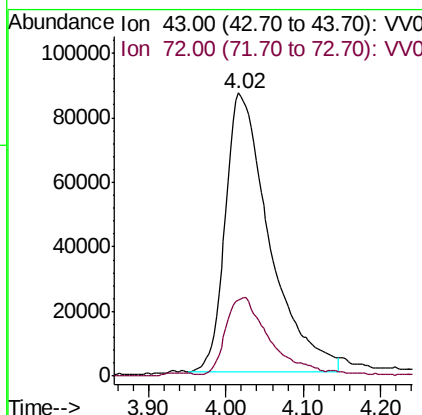
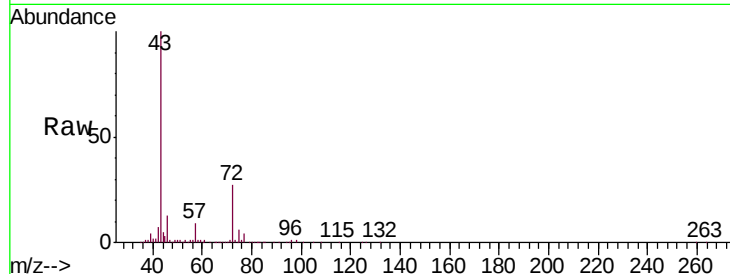




#22
 2-Butanone
 Concen: 107.056 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

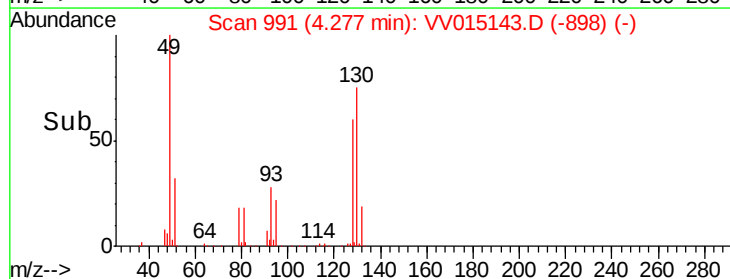
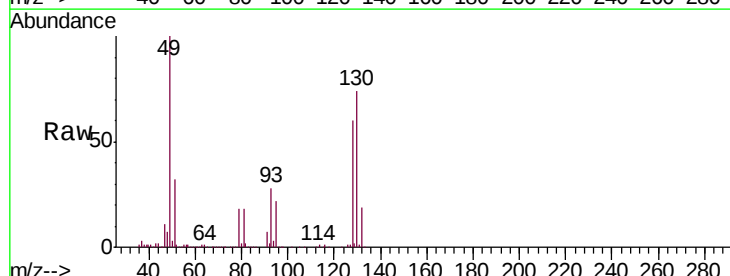
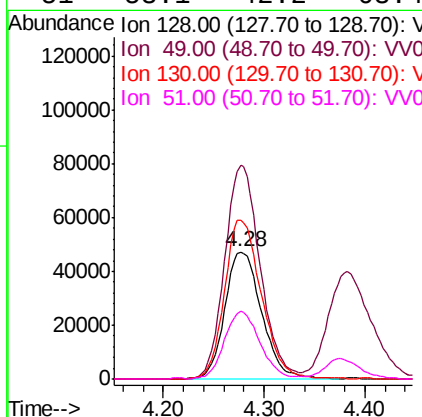
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

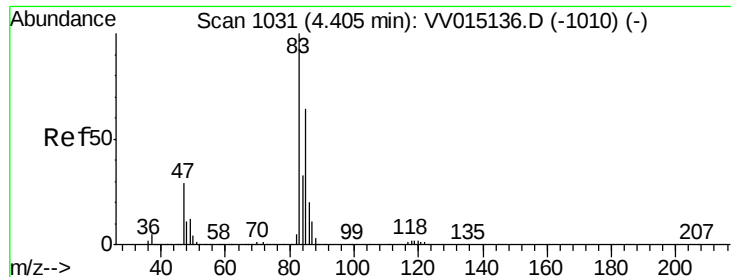
Tgt Ion: 43 Resp: 343318
 Ion Ratio Lower Upper
 43 100
 72 24.8 13.5 40.4



#23
 Bromochloromethane
 Concen: 53.245 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

Tgt Ion: 128 Resp: 120027
 Ion Ratio Lower Upper
 128 100
 49 168.0 117.1 217.5
 130 124.8 89.5 166.1
 51 53.1 42.2 63.4





#25

Chloroform

Concen: 53.866 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

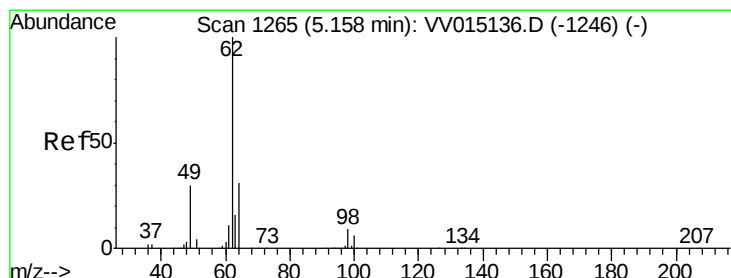
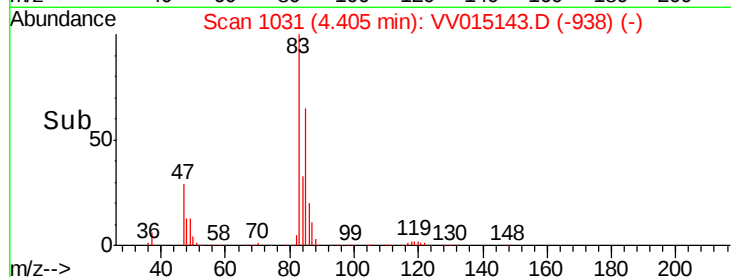
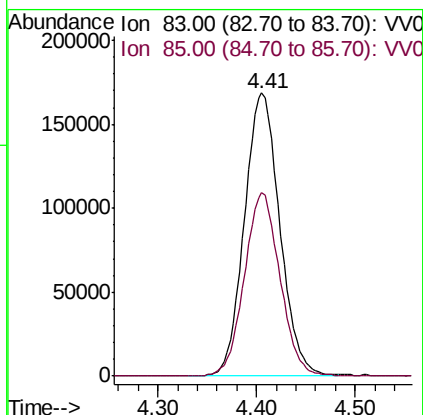
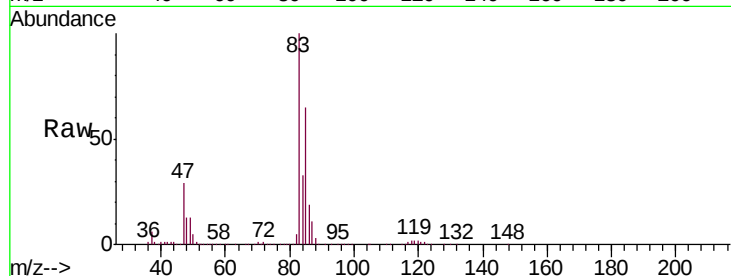
VSTD05073

Tgt Ion: 83 Resp: 417656

Ion Ratio Lower Upper

83 100

85 64.8 44.8 83.2



#27

1,2-Dichloroethane

Concen: 54.122 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VV015143.D

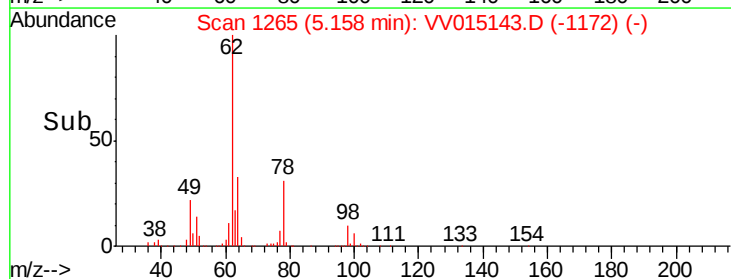
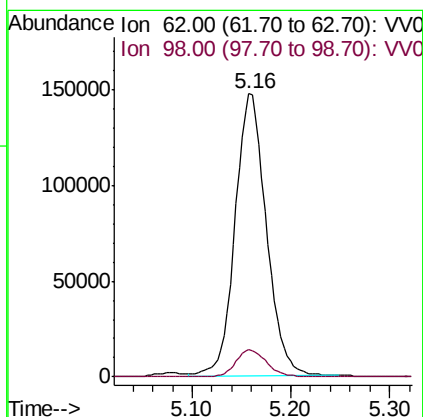
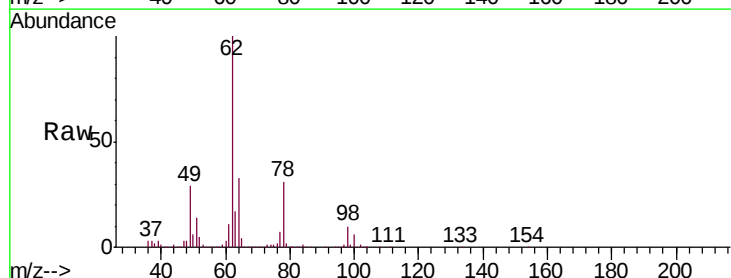
Acq: 25 Mar 2020 18:05

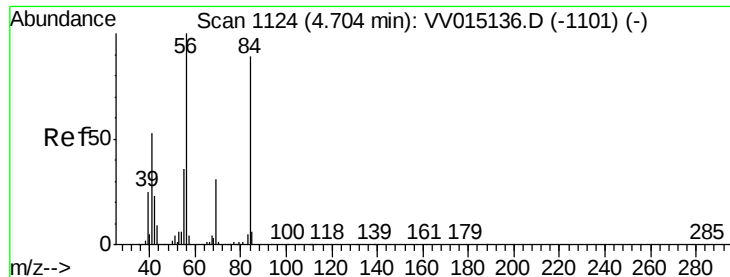
Tgt Ion: 62 Resp: 325141

Ion Ratio Lower Upper

62 100

98 9.6 7.5 11.3

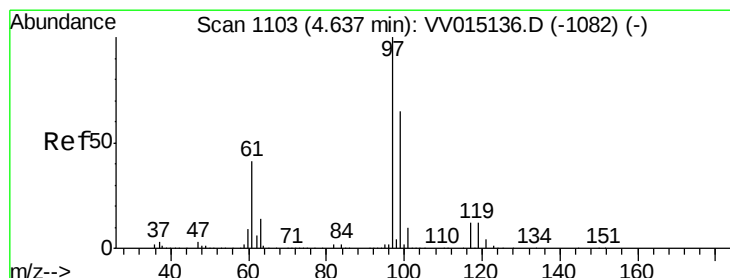
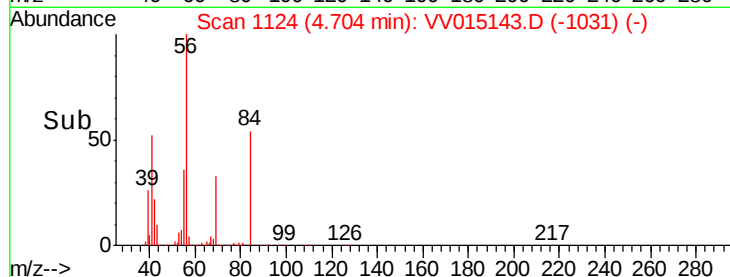
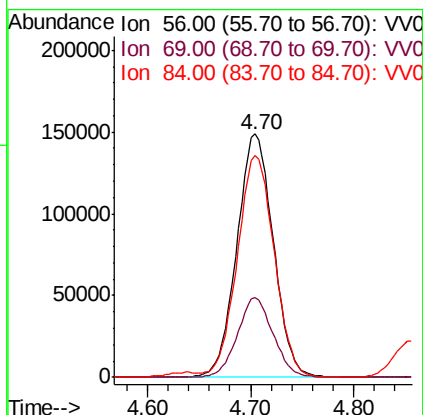
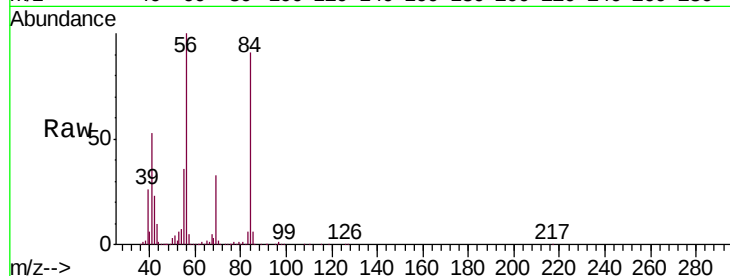




#29
Cyclohexane
Concen: 51.540 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

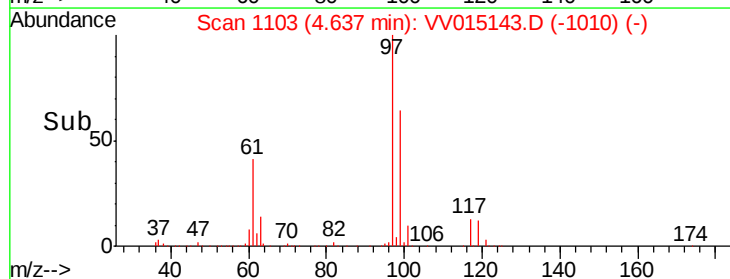
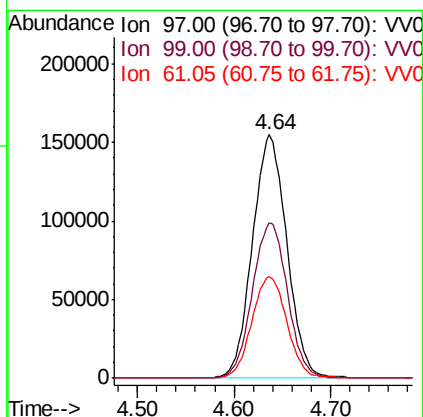
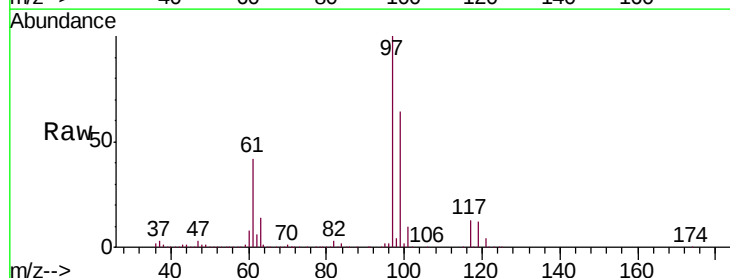
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

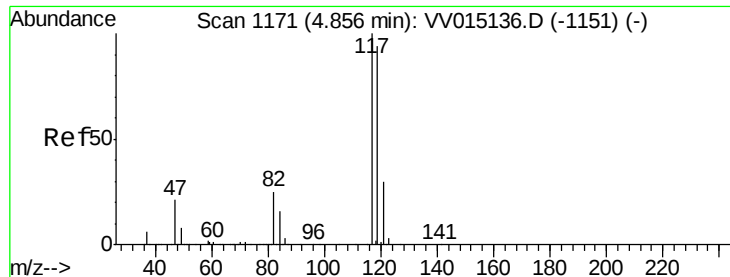
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.4	38.2
84	92.5	74.0	111.0



#30
1,1,1-Trichloroethane
Concen: 52.453 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.5	78.7
61	42.7	33.2	49.8

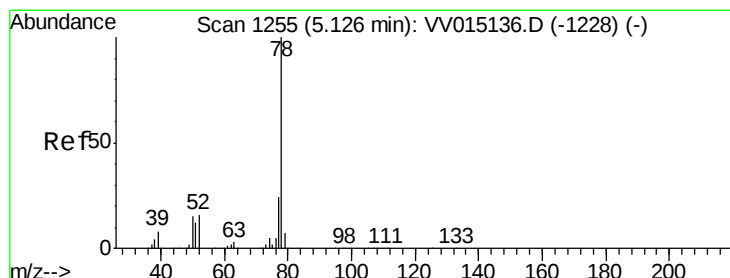
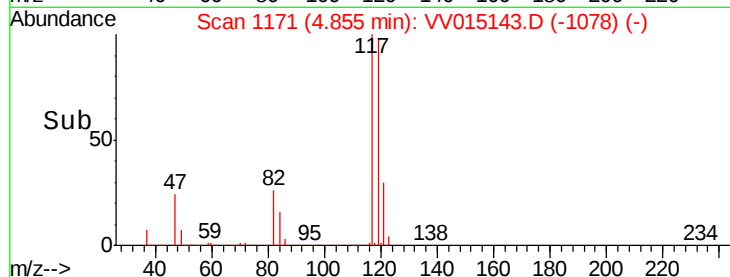
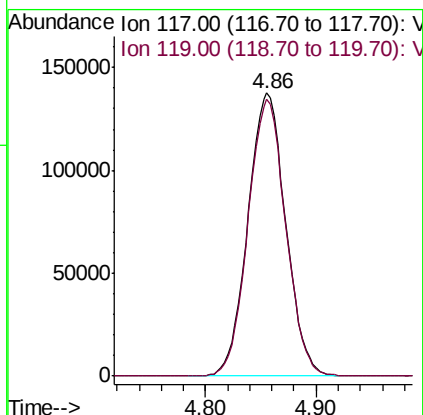
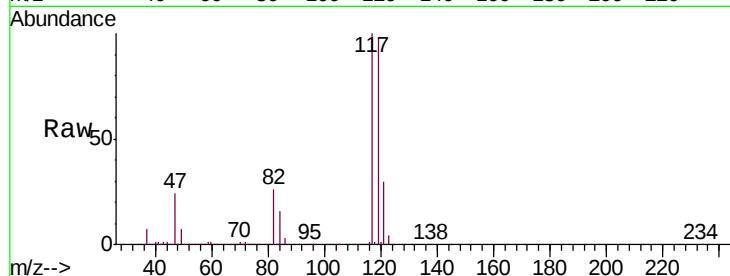




#31
Carbon tetrachloride
Concen: 51.900 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

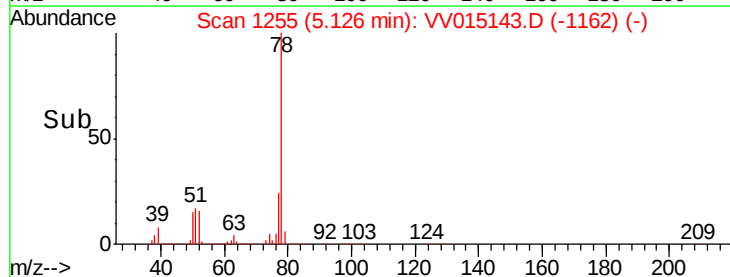
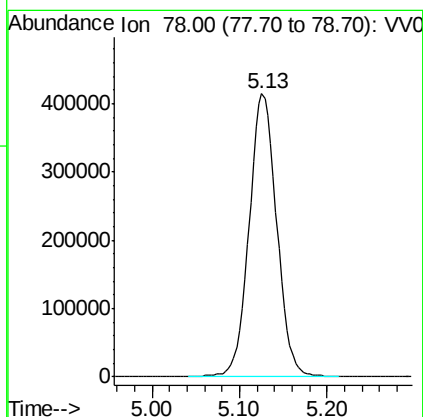
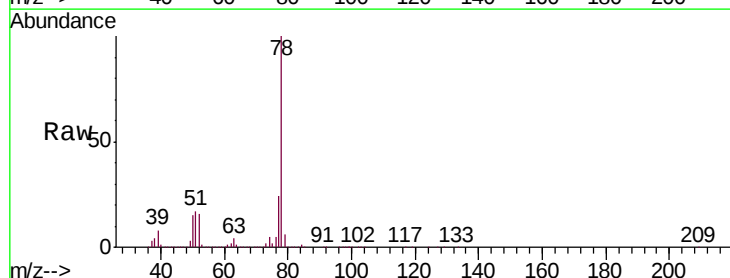
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

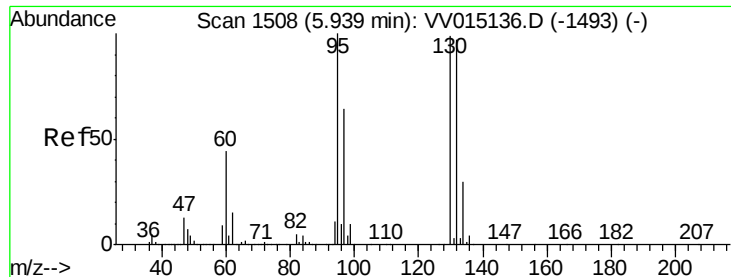
Tgt Ion:117 Resp: 325954
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.4



#33
Benzene
Concen: 52.551 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

Tgt Ion: 78 Resp: 906914





#34

Trichloroethene

Concen: 51.063 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

Tgt Ion: 95 Resp: 233487

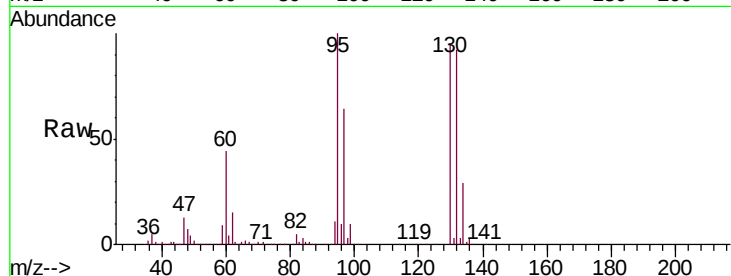
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.4

132 92.4 67.6 125.6

130 95.1 69.2 128.4

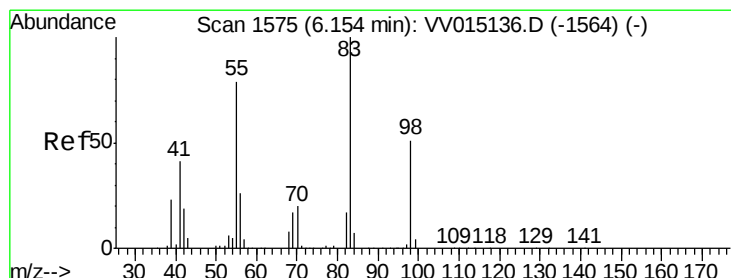
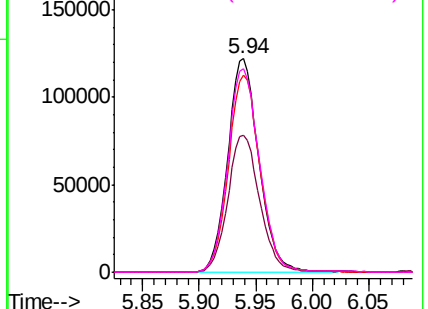
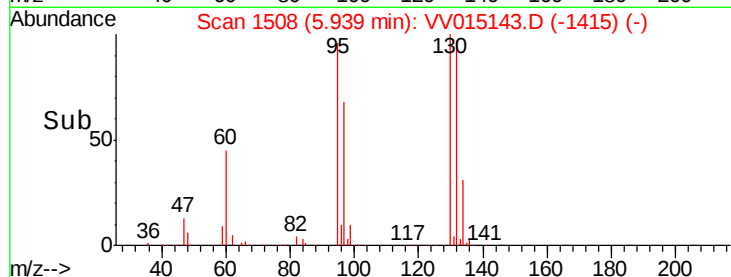


Abundance Ion 95.00 (94.70 to 95.70): VV015143.D (-1415) (-)

Ion 97.00 (96.70 to 97.70): VV015143.D (-1415) (-)

Ion 132.00 (131.70 to 132.70): VV015143.D (-1415) (-)

Ion 130.00 (129.70 to 130.70): VV015143.D (-1415) (-)



#35

Methylcyclohexane

Concen: 50.888 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

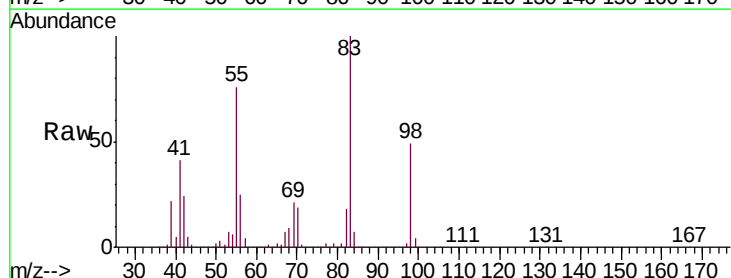
Tgt Ion: 83 Resp: 390957

Ion Ratio Lower Upper

83 100

55 74.8 59.5 89.3

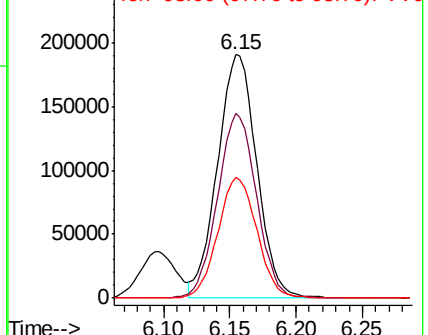
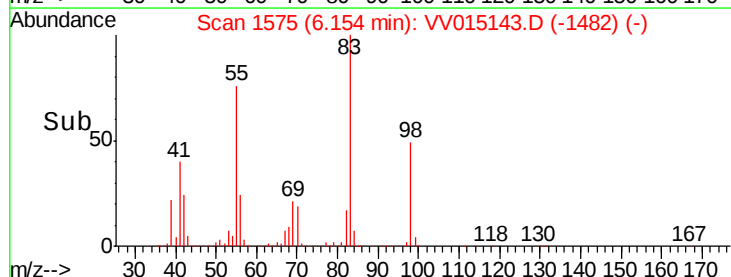
98 49.3 39.1 58.7

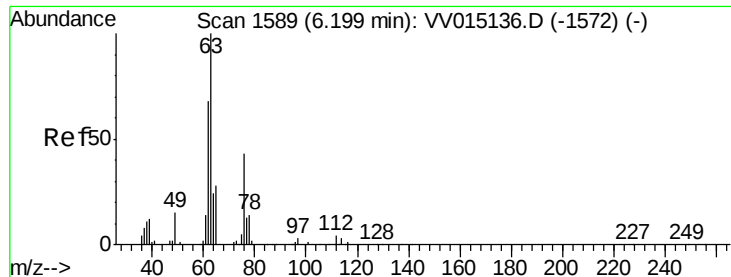


Abundance Ion 83.00 (82.70 to 83.70): VV015143.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV015143.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV015143.D (-1482) (-)





#37

1,2-Dichloropropane

Concen: 52.712 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

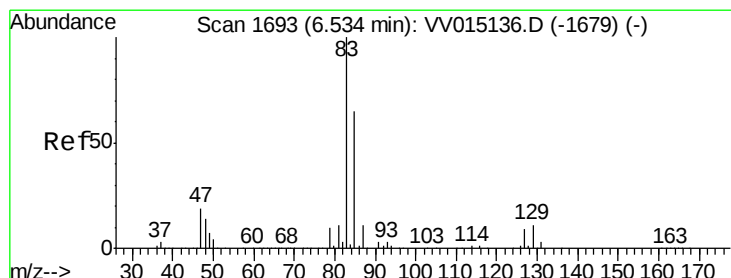
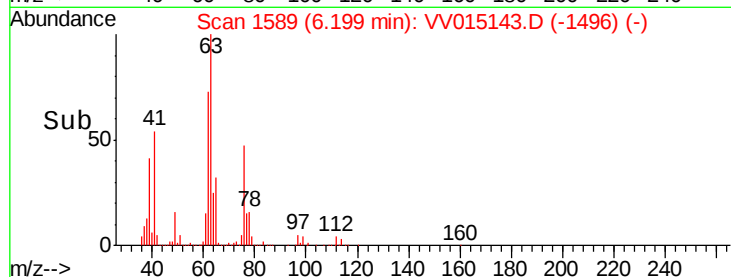
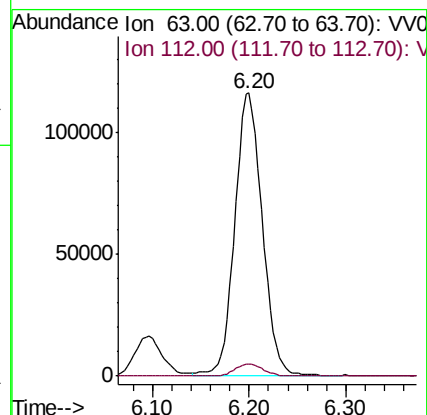
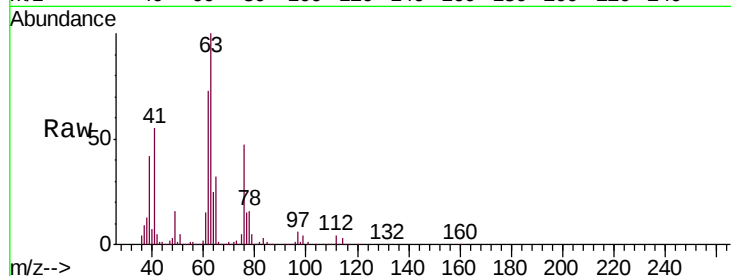
VSTD05073

Tgt Ion: 63 Resp: 229767

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 52.977 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

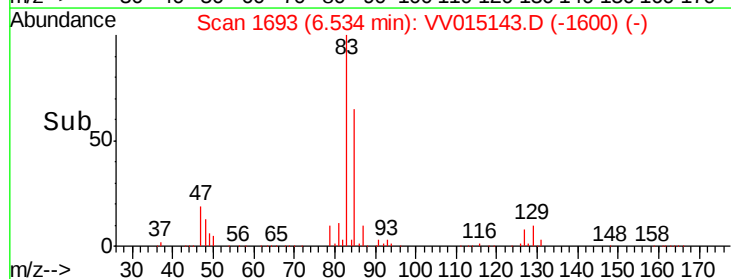
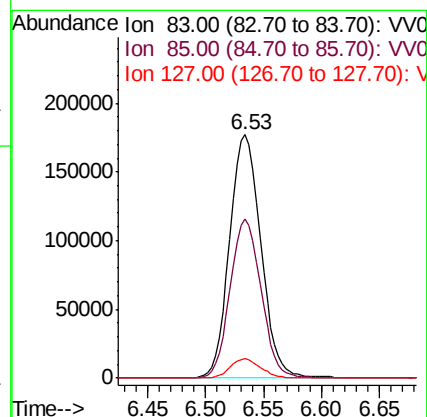
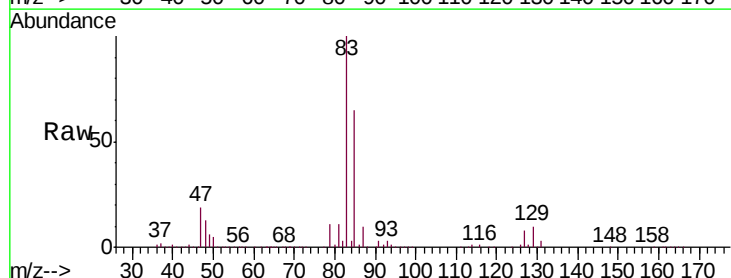
Tgt Ion: 83 Resp: 330418

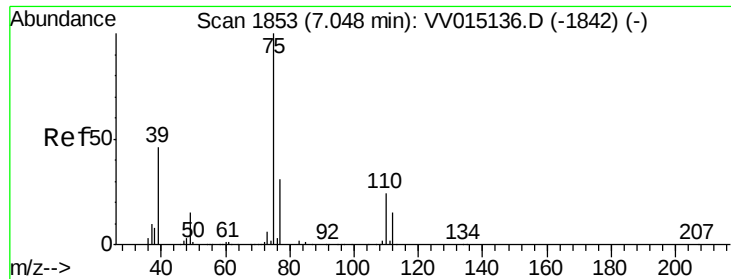
Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.4

127 8.0 6.9 10.3



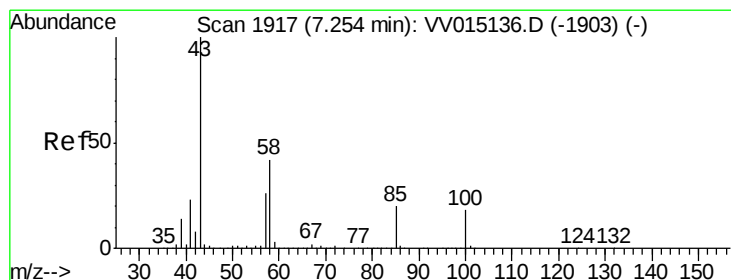
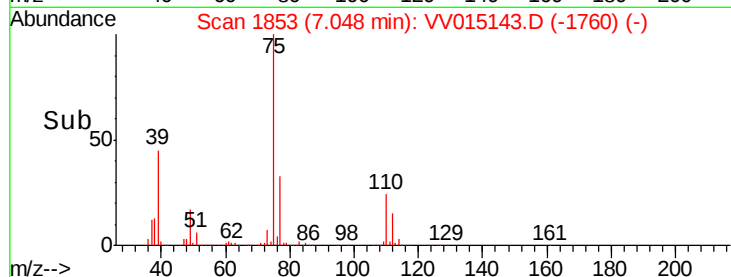
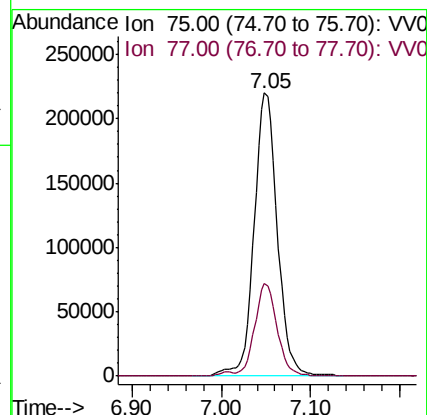
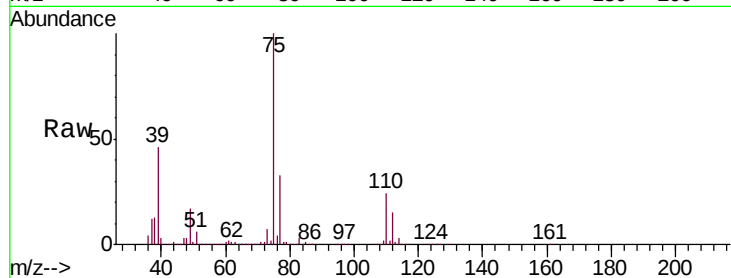


#39

cis-1,3-Dichloropropene
Concen: 53.324 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

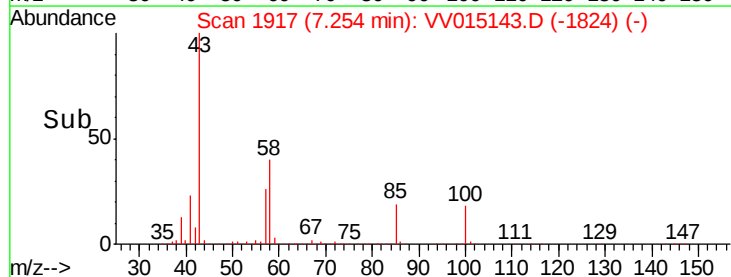
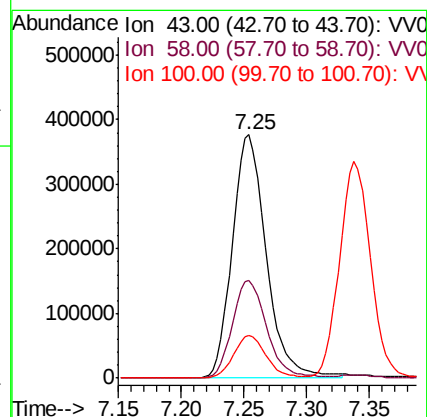
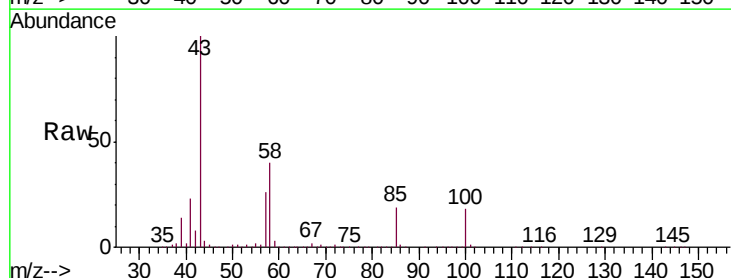
Tgt Ion: 75 Resp: 400785
Ion Ratio Lower Upper
75 100
77 32.7 22.1 41.1

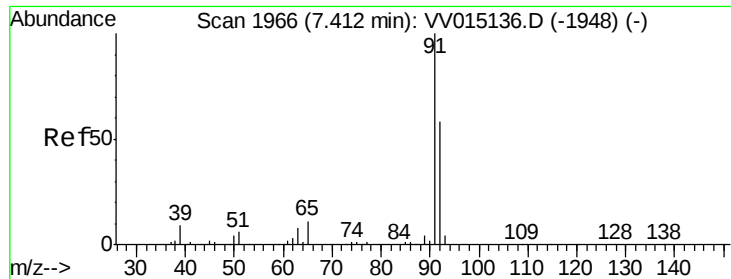


#40

4-Methyl-2-pentanone
Concen: 106.812 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

Tgt Ion: 43 Resp: 705207
Ion Ratio Lower Upper
43 100
58 41.0 32.5 48.7
100 17.0 13.8 20.8





#42

Toluene

Concen: 53.030 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

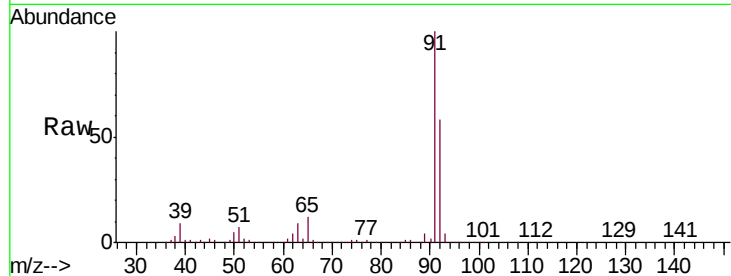
VSTD05073

Tgt Ion: 91 Resp: 1017194

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV015136.D (-1948) (-)

Ion 92.00 (91.70 to 92.70): VV015136.D (-1948) (-)

7.41

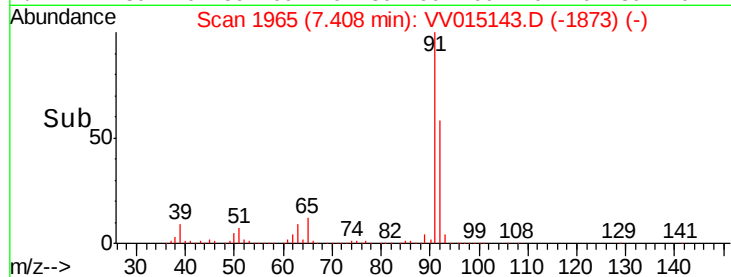
600000

400000

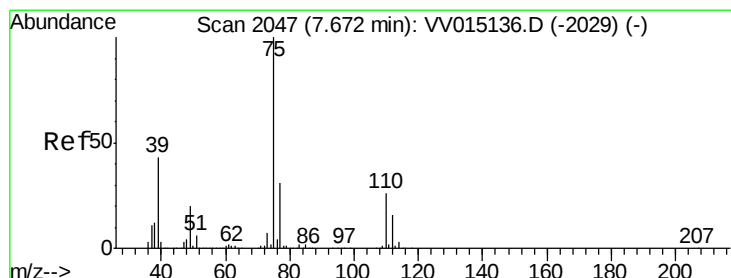
200000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.786 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015143.D

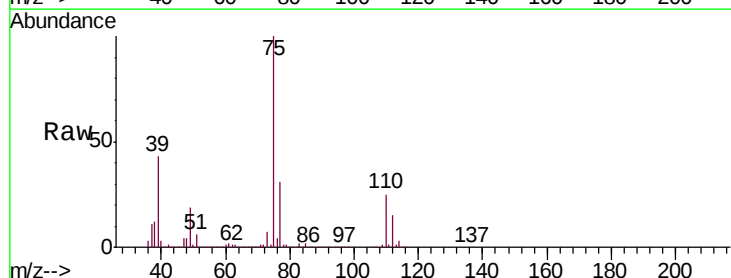
Acq: 25 Mar 2020 18:05

Tgt Ion: 75 Resp: 392386

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV015136.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV015136.D (-2029) (-)

7.67

250000

200000

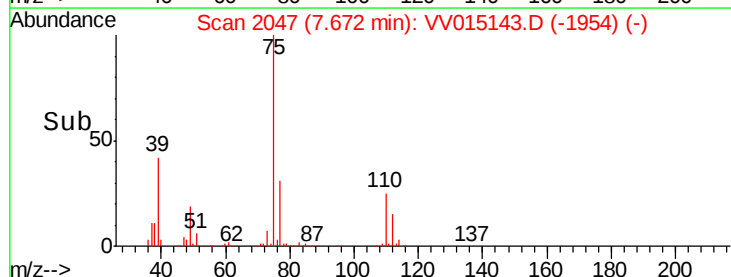
150000

100000

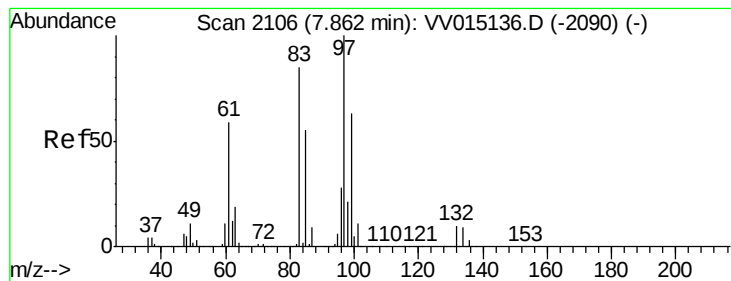
50000

0

Time-->



Time-->



#45

1,1,2-Trichloroethane

Concen: 53.620 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

Tgt Ion: 97 Resp: 230079

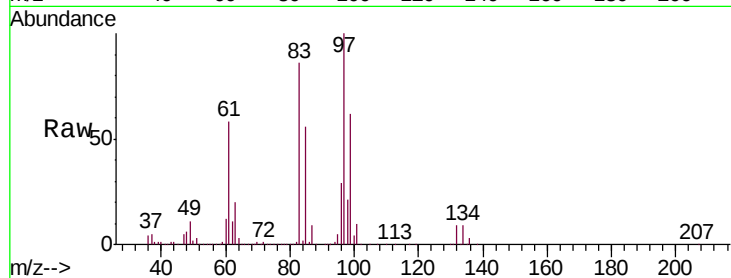
Ion Ratio Lower Upper

97 100

99 62.3 44.2 82.2

83 85.8 59.9 111.3

85 55.9 38.6 71.8



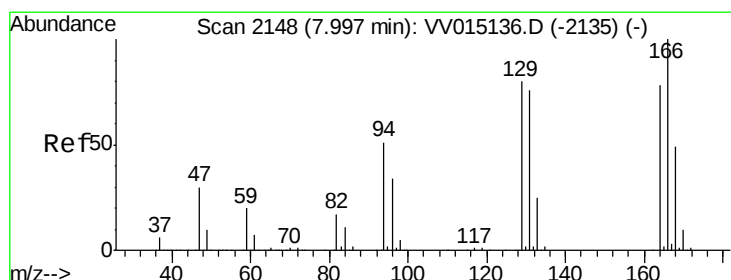
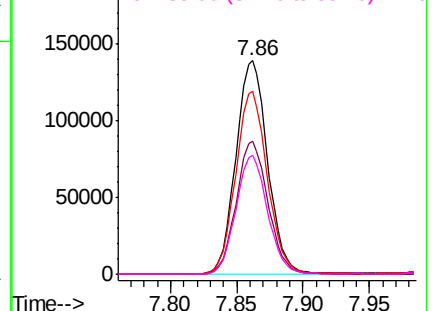
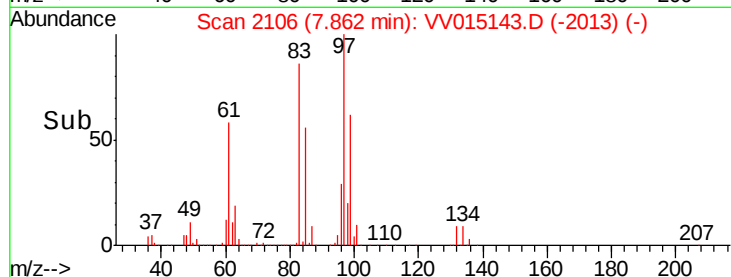
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 50.888 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Tgt Ion: 164 Resp: 166046

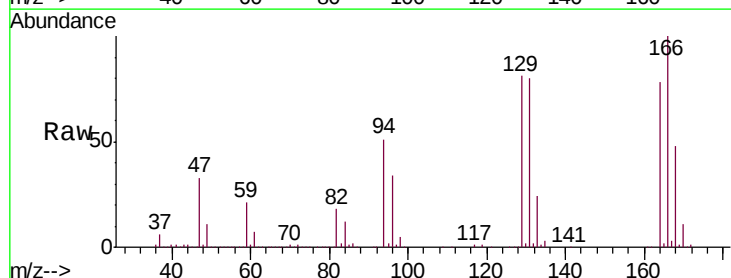
Ion Ratio Lower Upper

164 100

129 103.2 71.2 132.2

131 102.2 67.8 125.8

166 128.0 89.2 165.8



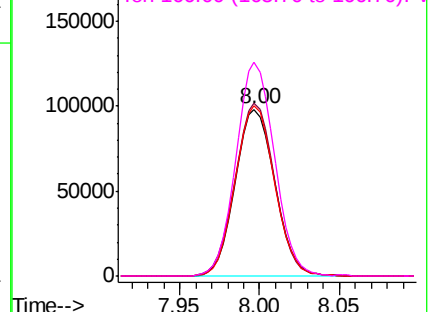
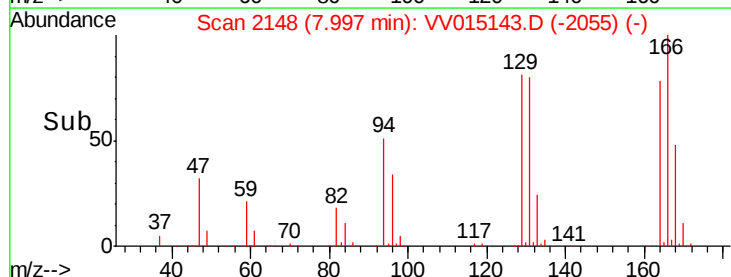
Abundance

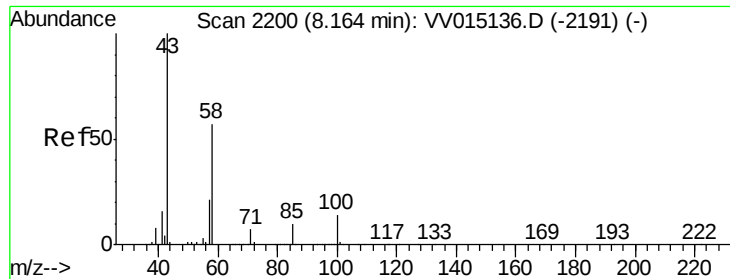
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

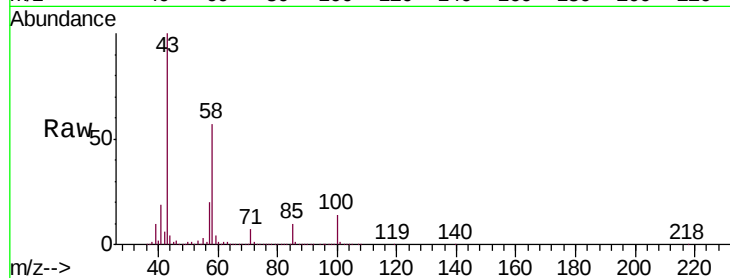




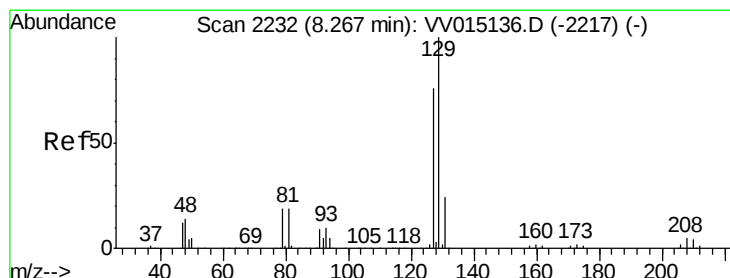
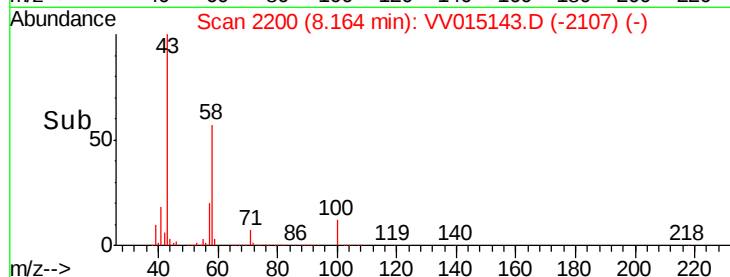
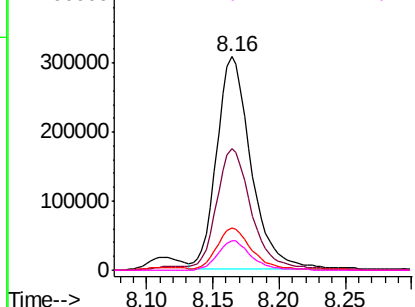
#48
2-Hexanone
Concen: 110.586 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Tgt Ion: 43 Resp: 556523
Ion Ratio Lower Upper
43 100
58 57.3 47.0 70.6
57 19.6 16.5 24.7
100 13.6 10.9 16.3

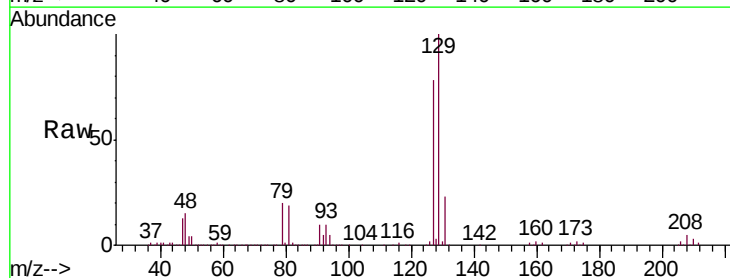


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

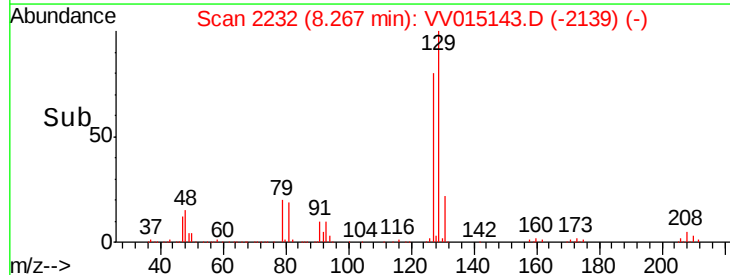
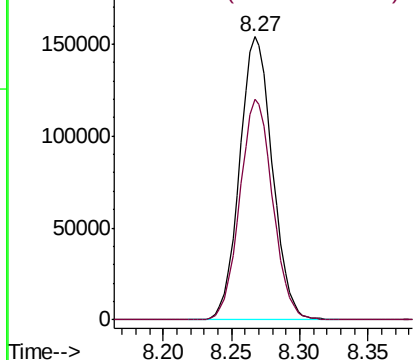


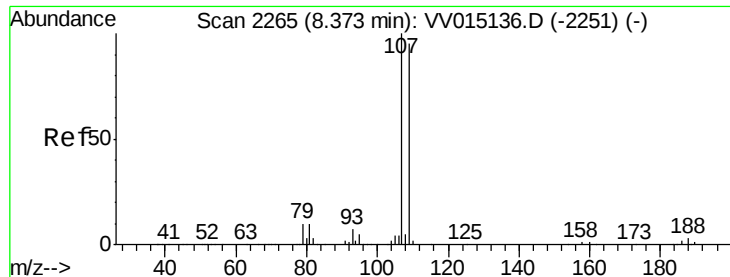
#49
Dibromochloromethane
Concen: 52.366 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015143.D
Acq: 25 Mar 2020 18:05

Tgt Ion: 129 Resp: 255958
Ion Ratio Lower Upper
129 100
127 78.1 53.4 99.2



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

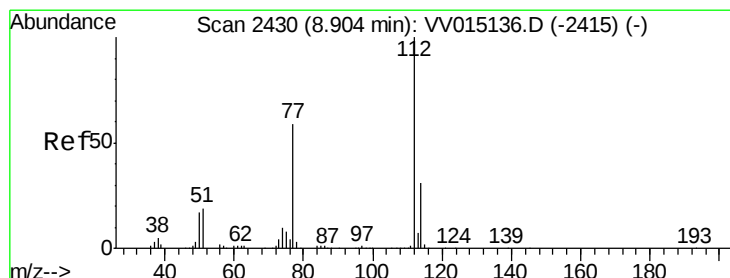
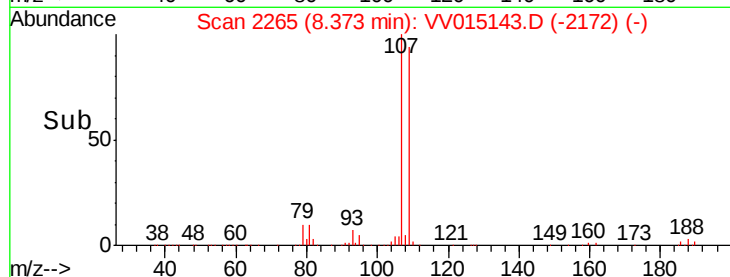
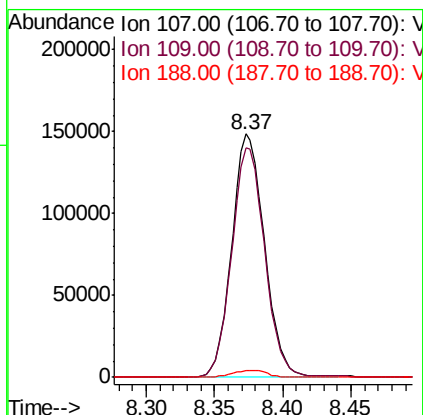
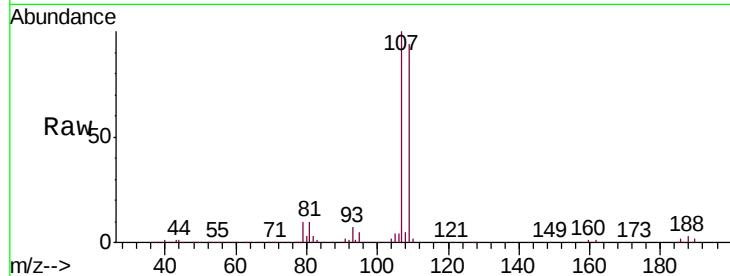




#50
 1,2-Dibromoethane
 Concen: 52.441 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

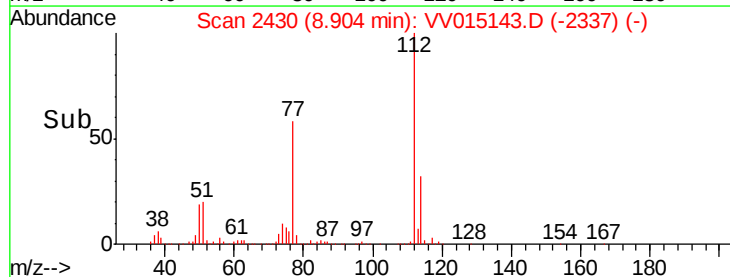
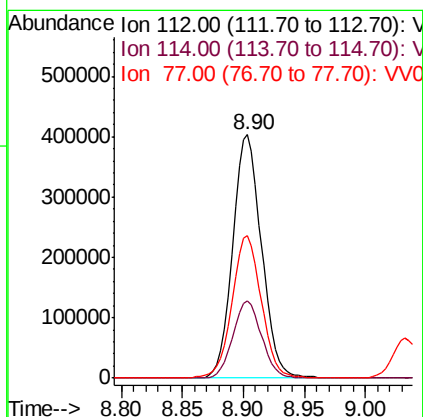
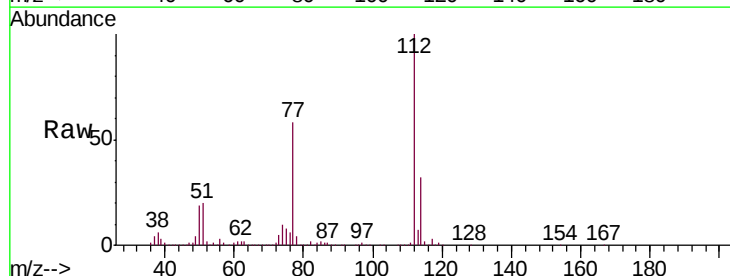
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

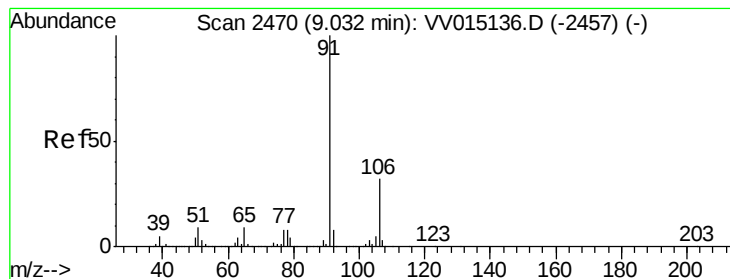
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	66.6	123.6
188	2.9	2.5	3.7



#51
 Chlorobenzene
 Concen: 53.088 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.0	40.8
77	58.3	47.2	70.8





#52

Ethylbenzene

Concen: 53.699 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

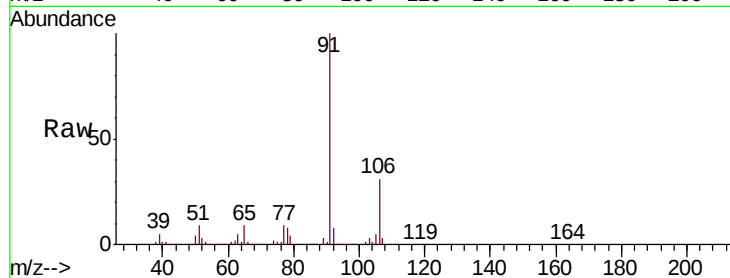
VSTD05073

Tgt Ion: 91 Resp: 1155308

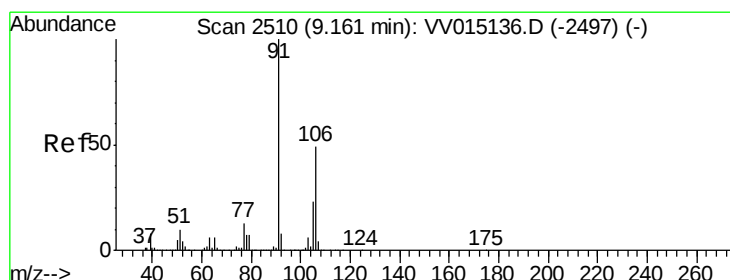
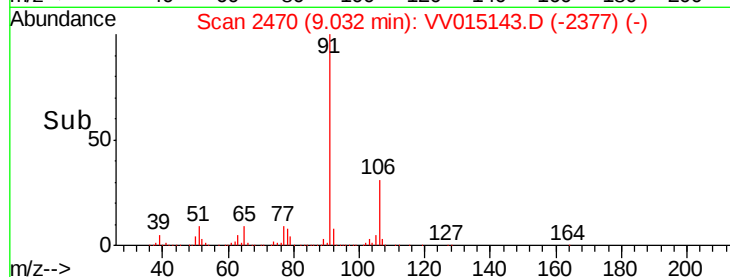
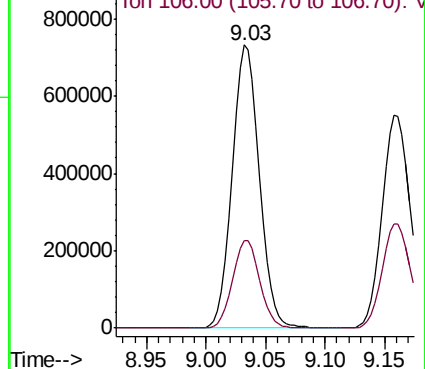
Ion Ratio Lower Upper

91 100

106 31.1 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VV015136.D (-2457) (-)



#53

m,p-Xylene

Concen: 52.881 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015143.D

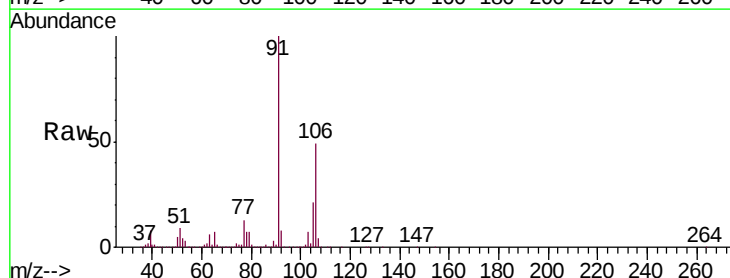
Acq: 25 Mar 2020 18:05

Tgt Ion: 106 Resp: 447346

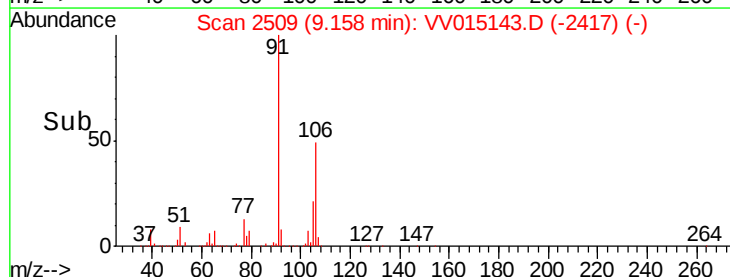
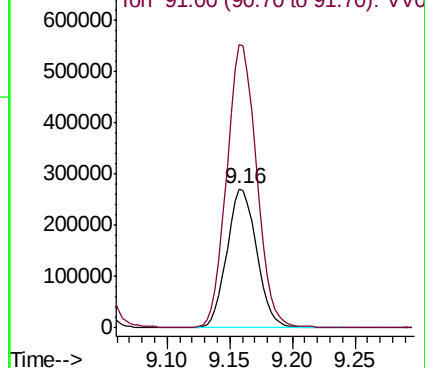
Ion Ratio Lower Upper

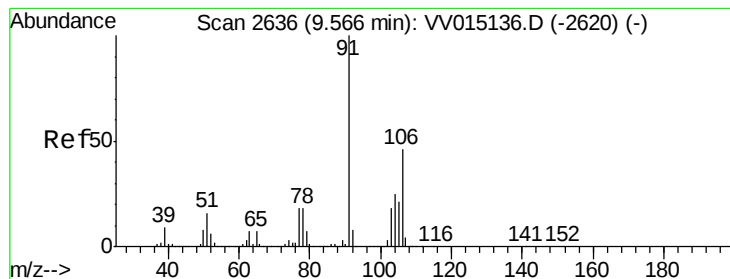
106 100

91 203.5 143.3 266.1



Abundance Ion 106.00 (105.70 to 106.70): VV015136.D (-2497) (-)





#54

o-xylene

Concen: 53.984 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

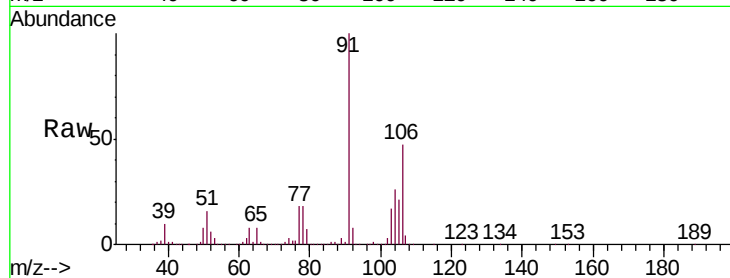
VSTD05073

Tgt Ion:106 Resp: 445797

Ion Ratio Lower Upper

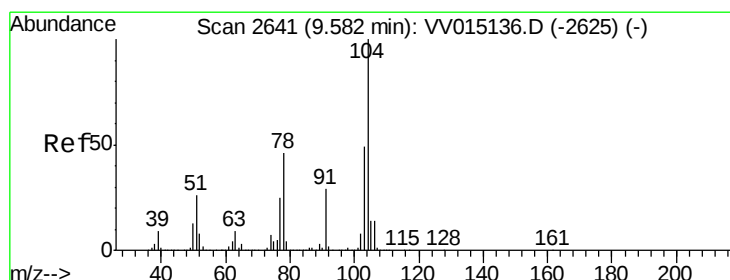
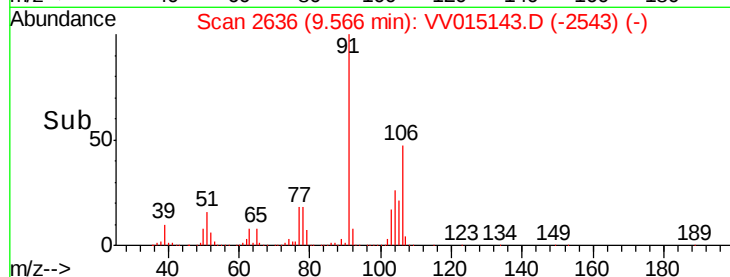
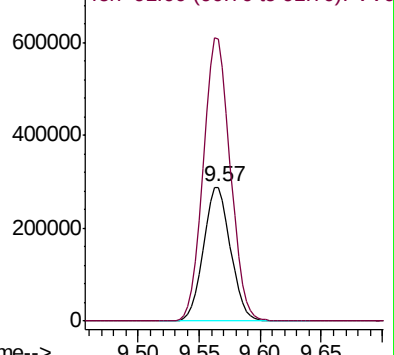
106 100

91 210.8 151.5 281.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.105 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015143.D

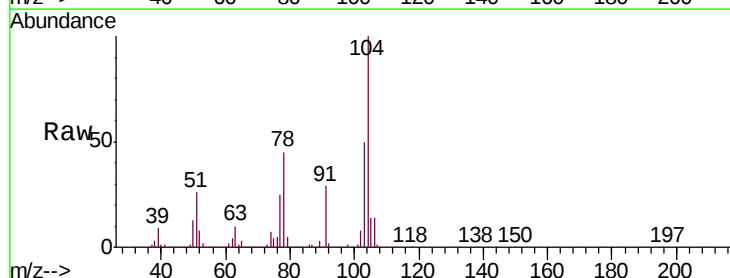
Acq: 25 Mar 2020 18:05

Tgt Ion:104 Resp: 762239

Ion Ratio Lower Upper

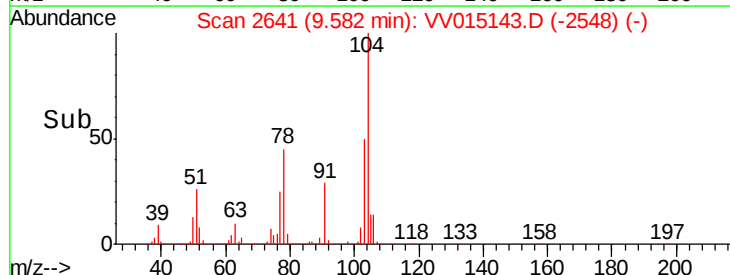
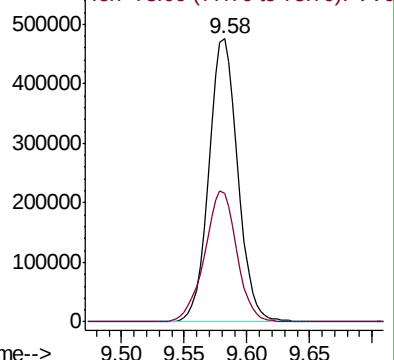
104 100

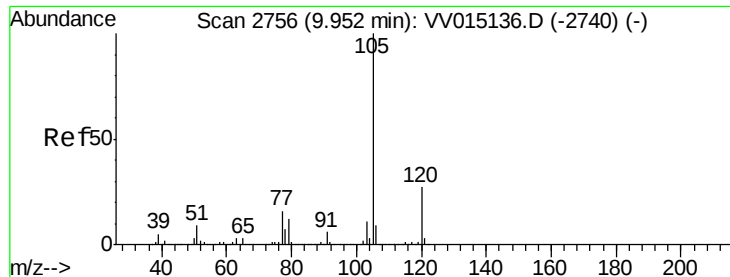
78 45.3 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.260 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

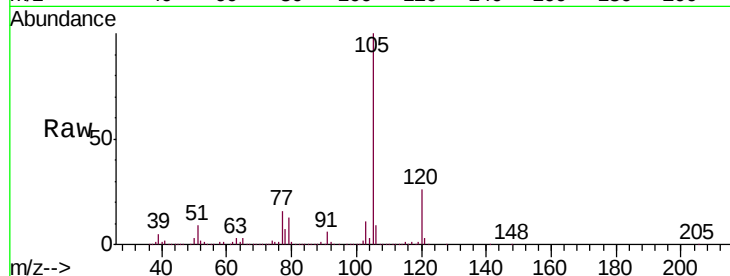
Tgt Ion:105 Resp: 1145877

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

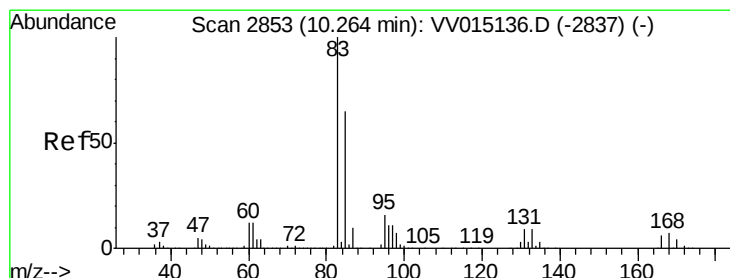
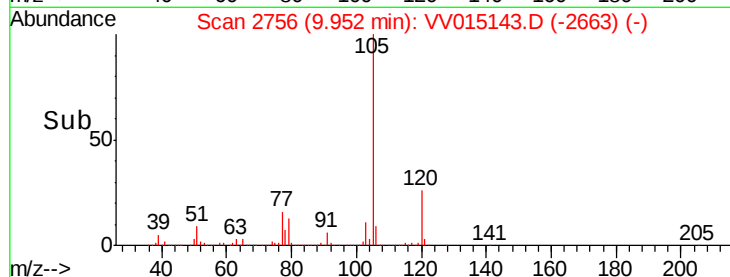
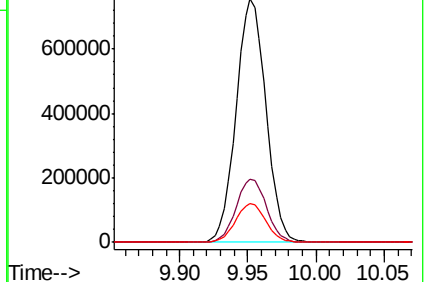
77 16.1 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 53.154 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

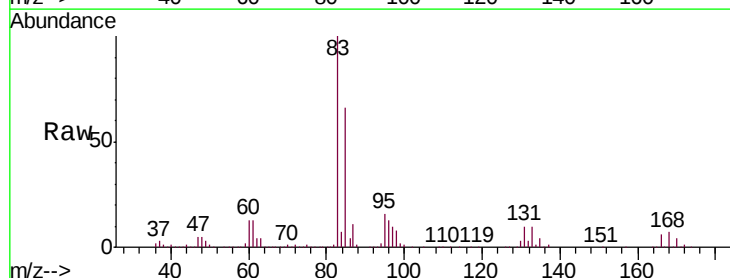
Tgt Ion: 83 Resp: 383971

Ion Ratio Lower Upper

83 100

85 65.6 45.8 85.2

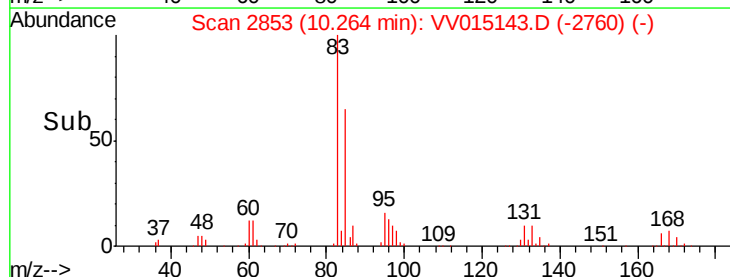
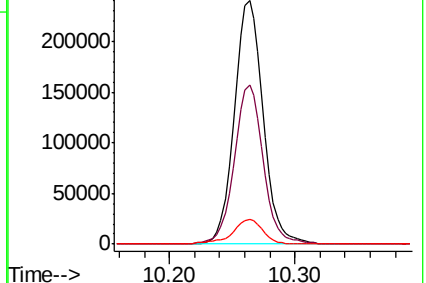
131 9.9 7.7 11.5

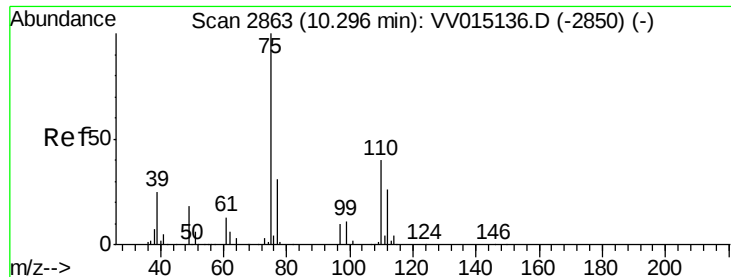


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

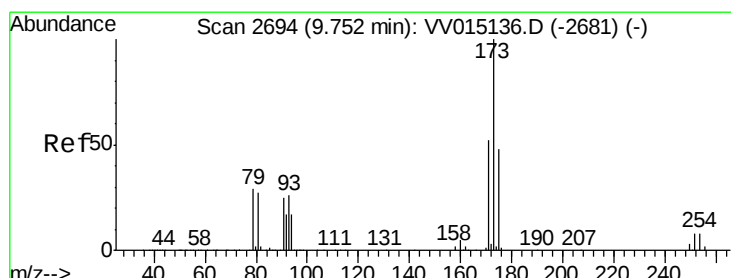
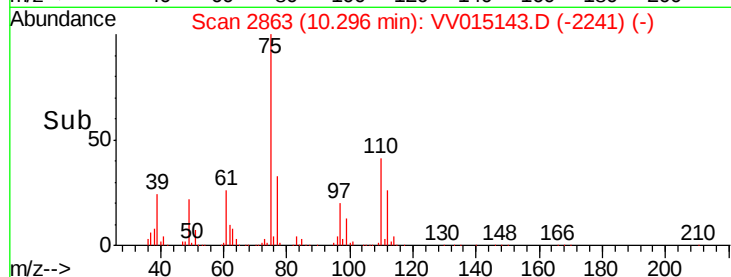
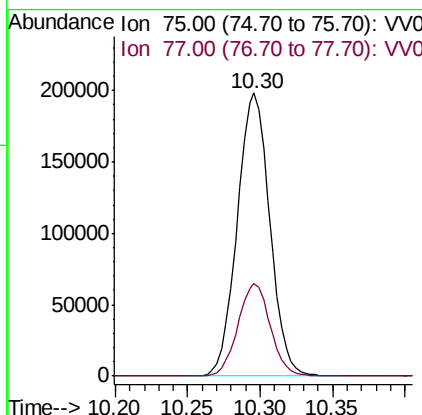
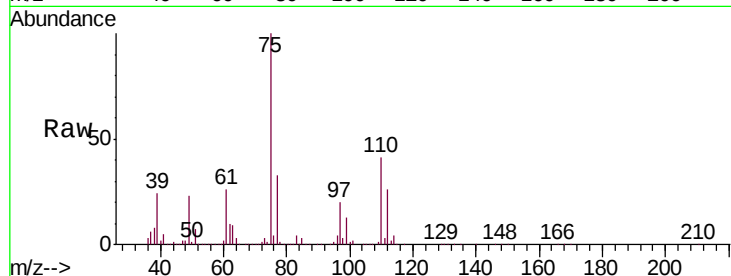




#59
 1,2,3-Trichloropropane
 Concen: 53.234 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

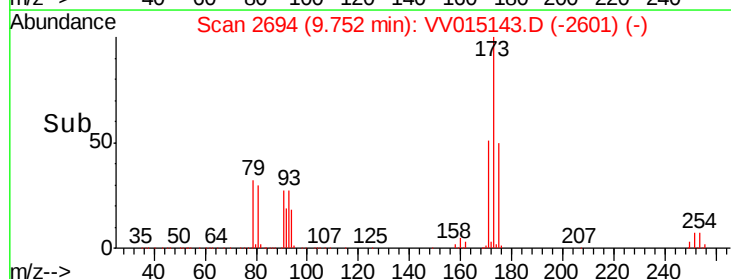
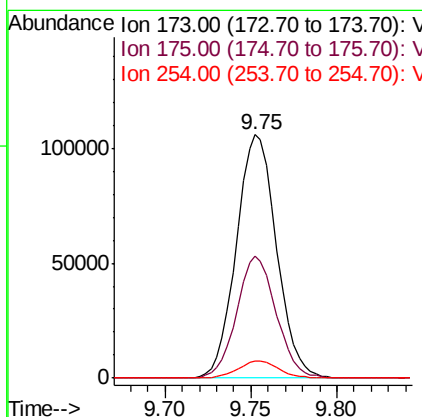
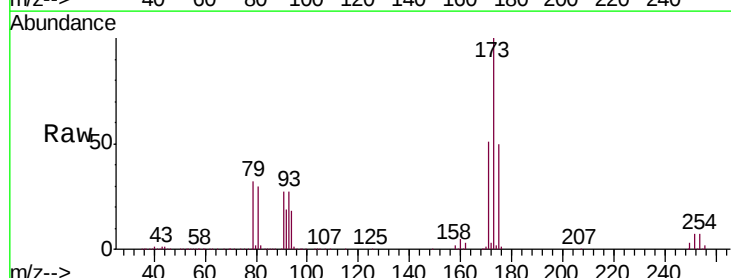
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

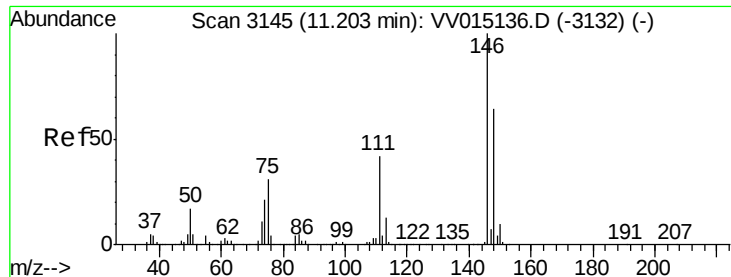
Tgt Ion: 75 Resp: 309123
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6



#61
 Bromoform
 Concen: 52.075 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

Tgt Ion: 173 Resp: 171912
 Ion Ratio Lower Upper
 173 100
 175 49.2 37.8 56.8
 254 7.0 6.1 9.1





#62

1,3-Dichlorobenzene

Concen: 53.012 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

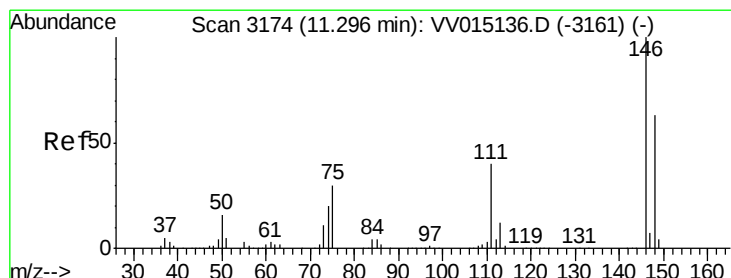
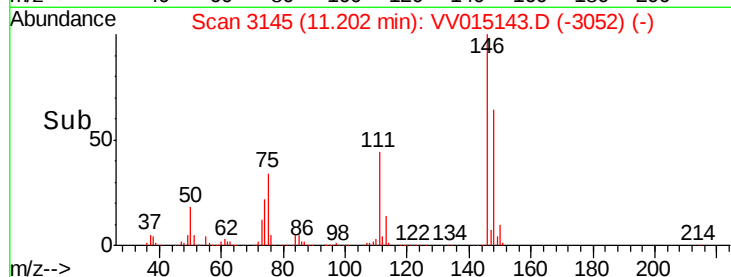
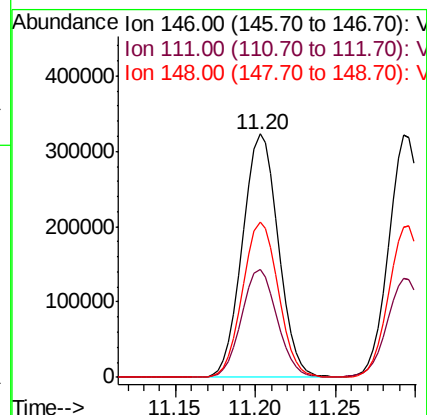
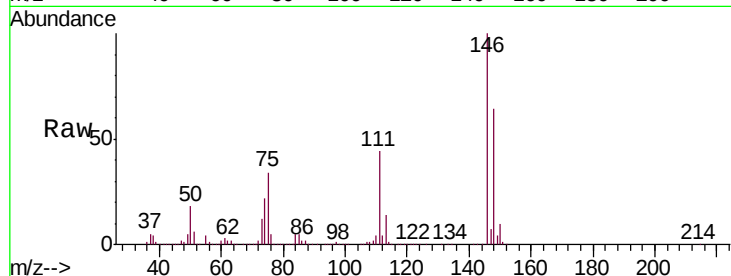
Tgt Ion:146 Resp: 492504

Ion Ratio Lower Upper

146 100

111 44.5 29.3 54.5

148 63.6 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 51.994 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

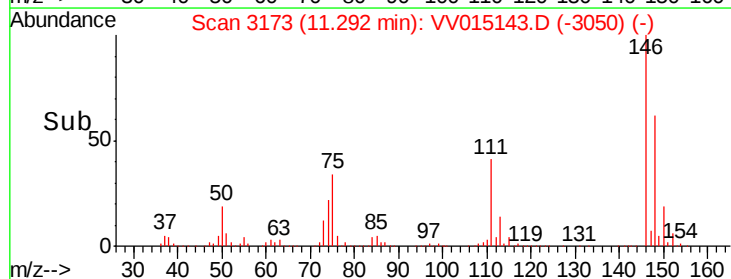
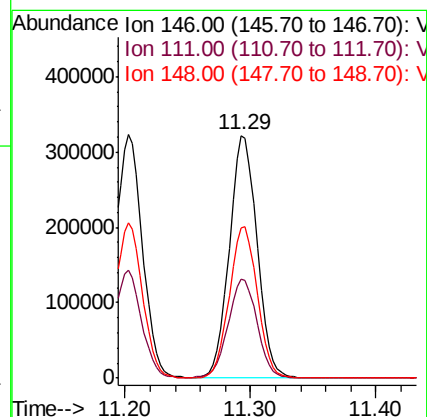
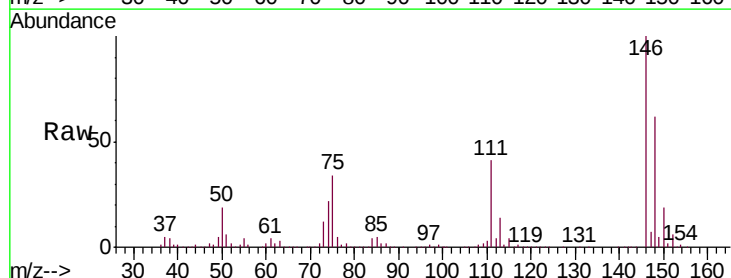
Tgt Ion:146 Resp: 492119

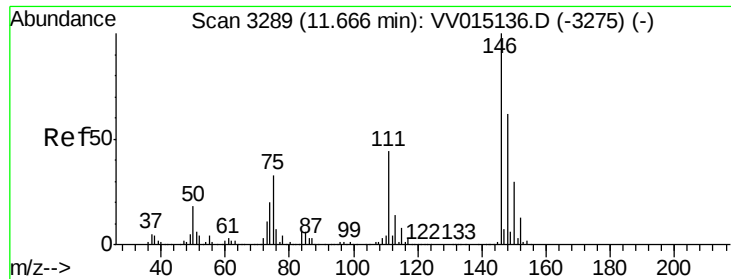
Ion Ratio Lower Upper

146 100

111 40.9 28.4 52.8

148 62.0 44.0 81.8

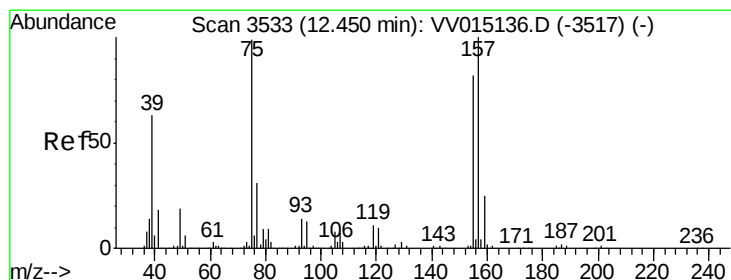
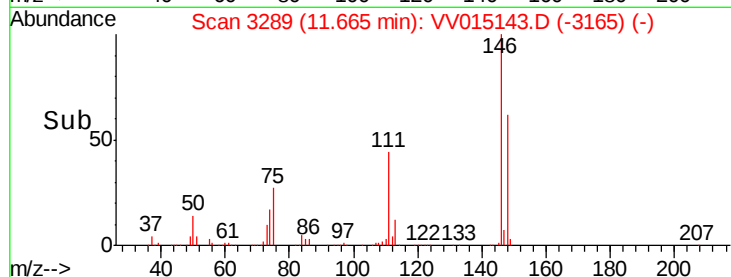
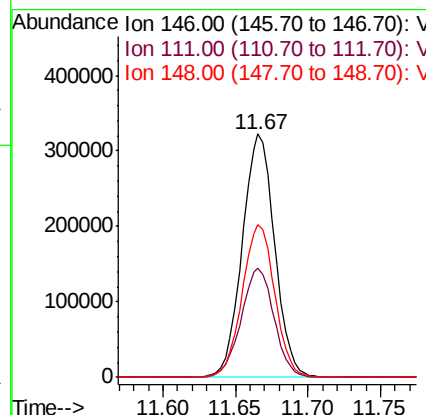
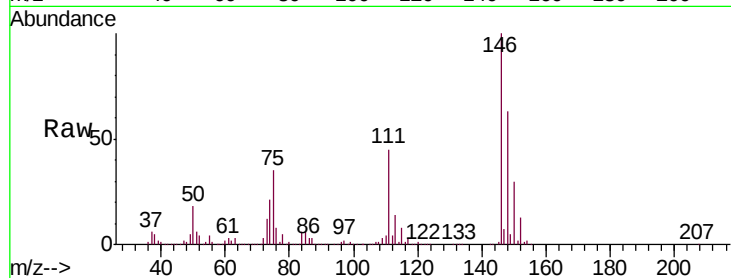




#65
 1,2-Dichlorobenzene
 Concen: 53.308 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

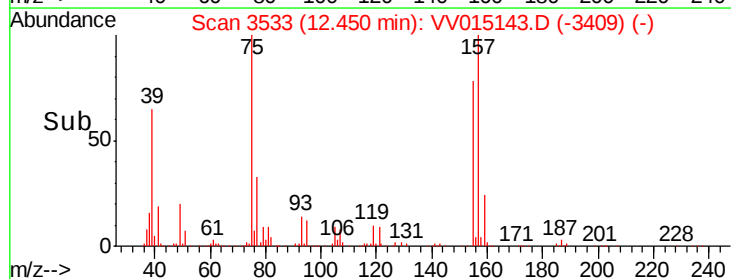
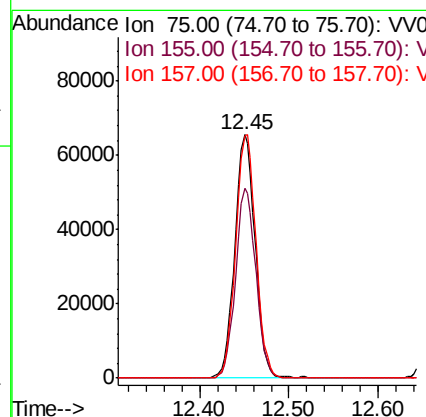
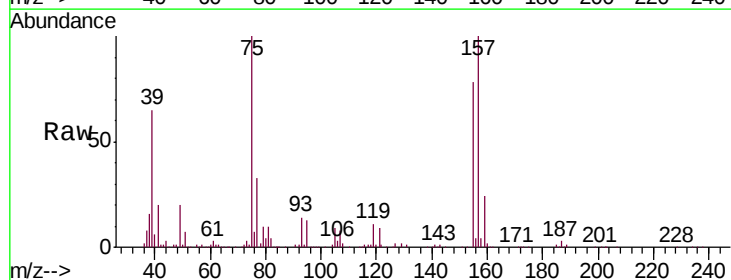
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

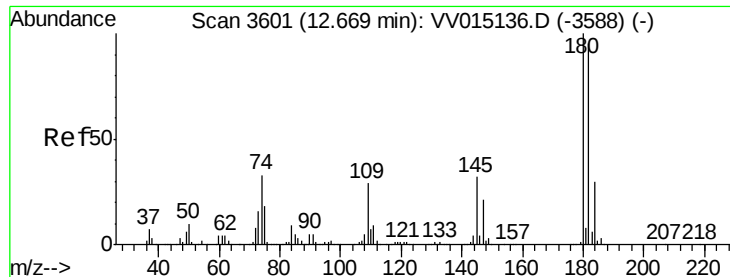
Tgt Ion: 146 Resp: 499672
 Ion Ratio Lower Upper
 146 100
 111 45.1 35.4 53.2
 148 62.6 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.008 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

Tgt Ion: 75 Resp: 103833
 Ion Ratio Lower Upper
 75 100
 155 78.0 66.2 99.4
 157 99.9 81.1 121.7

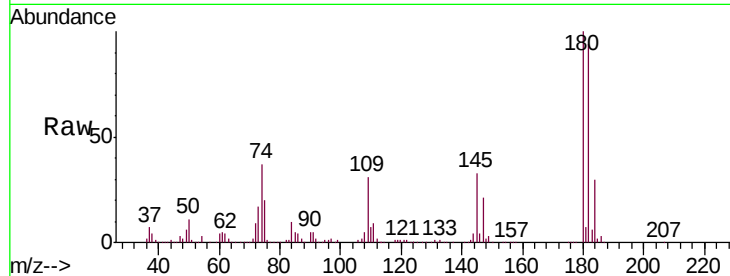




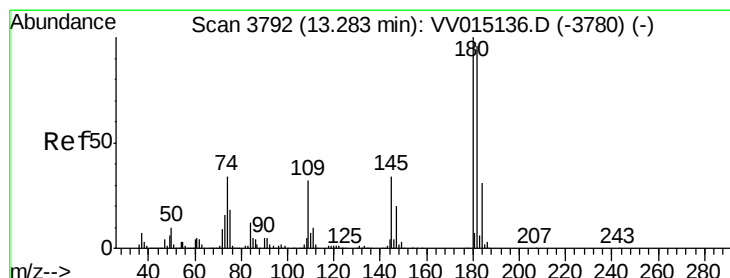
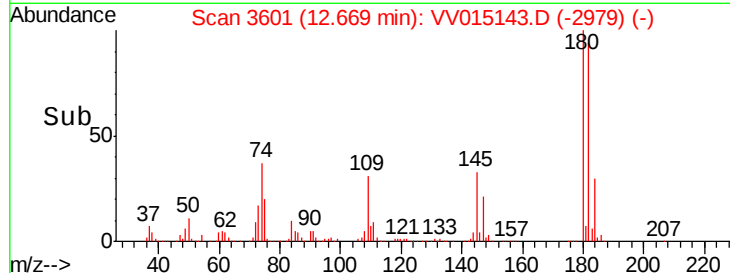
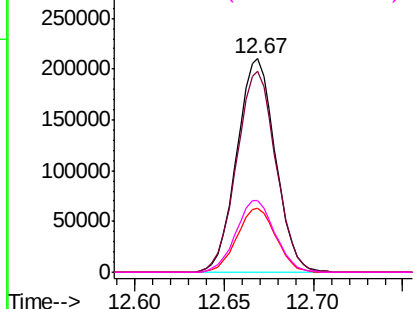
#67
 1,3,5-Trichlorobenzene
 Concen: 50.733 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
184	30.2	24.4	36.6
145	34.1	26.7	40.1

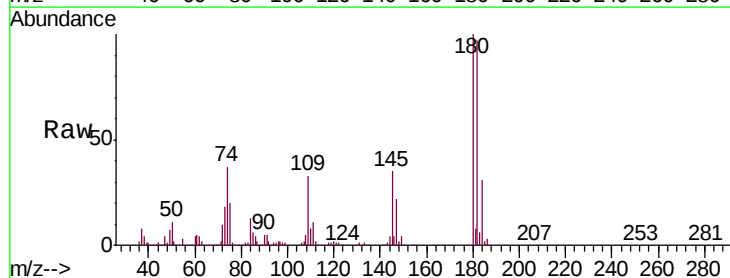


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

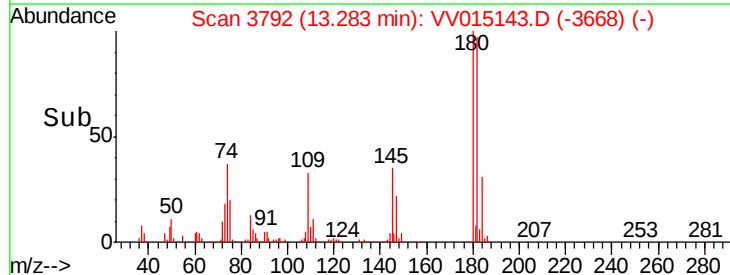
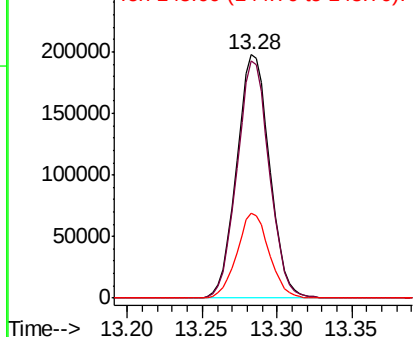


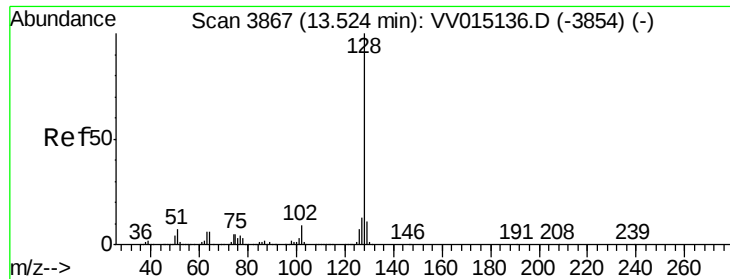
#68
 1,2,4-trichlorobenzene
 Concen: 51.420 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015143.D
 Acq: 25 Mar 2020 18:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
145	34.3	26.6	40.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.713 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

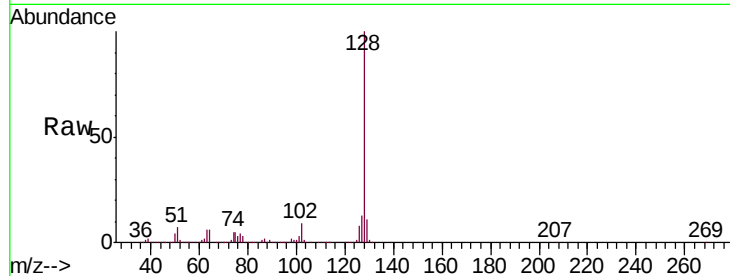
Tgt Ion:128 Resp: 1211250

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

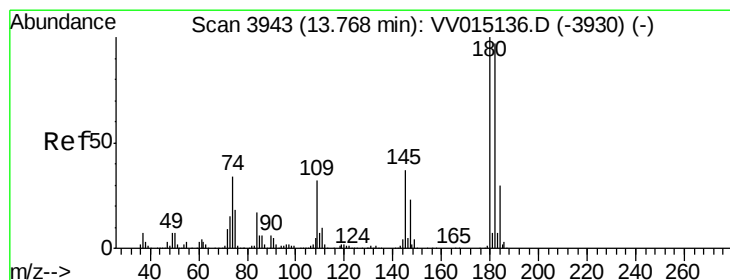
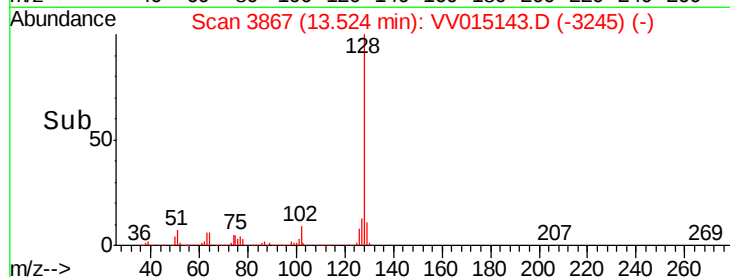
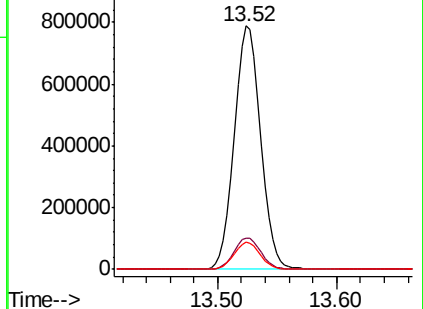
129 10.9 8.6 12.8



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



#70

1,2,3-Trichlorobenzene

Concen: 52.987 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015143.D

Acq: 25 Mar 2020 18:05

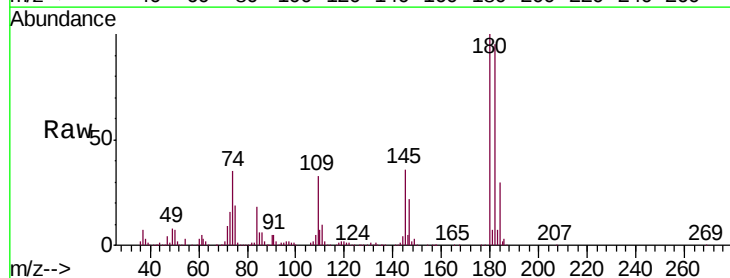
Tgt Ion:180 Resp: 310393

Ion Ratio Lower Upper

180 100

182 94.3 76.3 114.5

145 36.2 29.6 44.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

