

Data File : VV015163.D
Acq On : 26 Mar 2020 02:59
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Quant Time: Mar 26 04:26:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 26 02:00:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	664560	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	651713	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	307766	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	246001	44.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.54%
7) Chloroethane-d5	1.58	69	226766	45.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.10%
11) 1,1-Dichloroethene-d2	2.12	63	516679	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.40%
21) 2-Butanone-d5	3.94	46	374905	102.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.82%
24) Chloroform-d	4.38	84	436105	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.62%
26) 1,2-Dichloroethane-d4	5.06	65	288988	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
32) Benzene-d6	5.08	84	855572	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
36) 1,2-Dichloropropane-d6	6.09	67	272548	45.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.40%
41) Toluene-d8	7.34	98	822162	45.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.56%
43) trans-1,3-Dichloropropene-	7.64	79	146935	44.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.98%
47) 2-Hexanone-d5	8.11	63	288145	96.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.47%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	414809	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	306794	44.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.14%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	240699	46.782	ug/L	99
3) Chloromethane	1.25	50	281673	51.396	ug/L	100
5) Vinyl chloride	1.32	62	288332	51.619	ug/L	100
6) Bromomethane	1.53	94	178883	50.371	ug/L	99
8) Chloroethane	1.60	64	189523	46.755	ug/L	97
9) Trichlorofluoromethane	1.77	101	454096	51.720	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	226509	48.785	ug/L	98
12) 1,1-Dichloroethene	2.13	96	234008	52.345	ug/L	96
13) Acetone	2.13	43	3669	1.917	ug/L	74
14) Carbon disulfide	2.31	76	575422	48.483	ug/L	98
15) Methyl Acetate	2.46	43	231172	53.715	ug/L	98
16) Methylene chloride	2.52	84	226072	52.423	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	202231	51.101	ug/L	97
18) Methyl tert-butyl Ether	2.79	73	712429	53.631	ug/L	99
19) 1,1-Dichloroethane	3.21	63	385439	53.436	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	229379	52.459	ug/L	100
22) 2-Butanone	4.02	43	325482	104.325	ug/L	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	112859	51.462	ug/L	97
25) Chloroform	4.41	83	398251	52.795	ug/L	99
27) 1,2-Dichloroethane	5.16	62	319578	54.679	ug/L	100
29) Cyclohexane	4.70	56	335612	48.907	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	366967	51.919	ug/L	98
31) Carbon tetrachloride	4.86	117	309248	50.669	ug/L	99
33) Benzene	5.13	78	876216	52.245	ug/L	100
34) Trichloroethene	5.94	95	218973	49.278	ug/L	96
35) Methylcyclohexane	6.15	83	344221	46.105	ug/L	99
37) 1,2-Dichloropropane	6.20	63	224324	52.957	ug/L	99
38) Bromodichloromethane	6.53	83	316477	52.214	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	372191	50.957	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	694117	108.183	ug/L	99
42) Toluene	7.41	91	978579	52.497	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	364224	51.374	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	222094	53.261	ug/L	99
46) Tetrachloroethene	8.00	164	151383	47.741	ug/L	96
48) 2-Hexanone	8.16	43	540511	110.520	ug/L	99
49) Dibromochloromethane	8.27	129	246964	51.992	ug/L	99
50) 1,2-Dibromoethane	8.37	107	241046	52.547	ug/L	100
51) Chlorobenzene	8.90	112	639367	52.881	ug/L	99
52) Ethylbenzene	9.03	91	1104698	52.836	ug/L	99
53) m,p-Xylene	9.16	106	417907	50.834	ug/L	99
54) o-xylene	9.57	106	421307	52.499	ug/L	97
55) Styrene	9.58	104	724285	52.902	ug/L	99
56) Isopropylbenzene	9.95	105	1093930	52.321	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	374591	53.360	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	309549	54.854	ug/L	100
61) Bromoform	9.75	173	160401	50.078	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	460178	51.051	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	468822	51.051	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	468138	51.475	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	102156	51.722	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	288083	47.425	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	275751	48.214	ug/L	98
69) Naphthalene	13.53	128	1138189	52.020	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	283217	49.830	ug/L	100

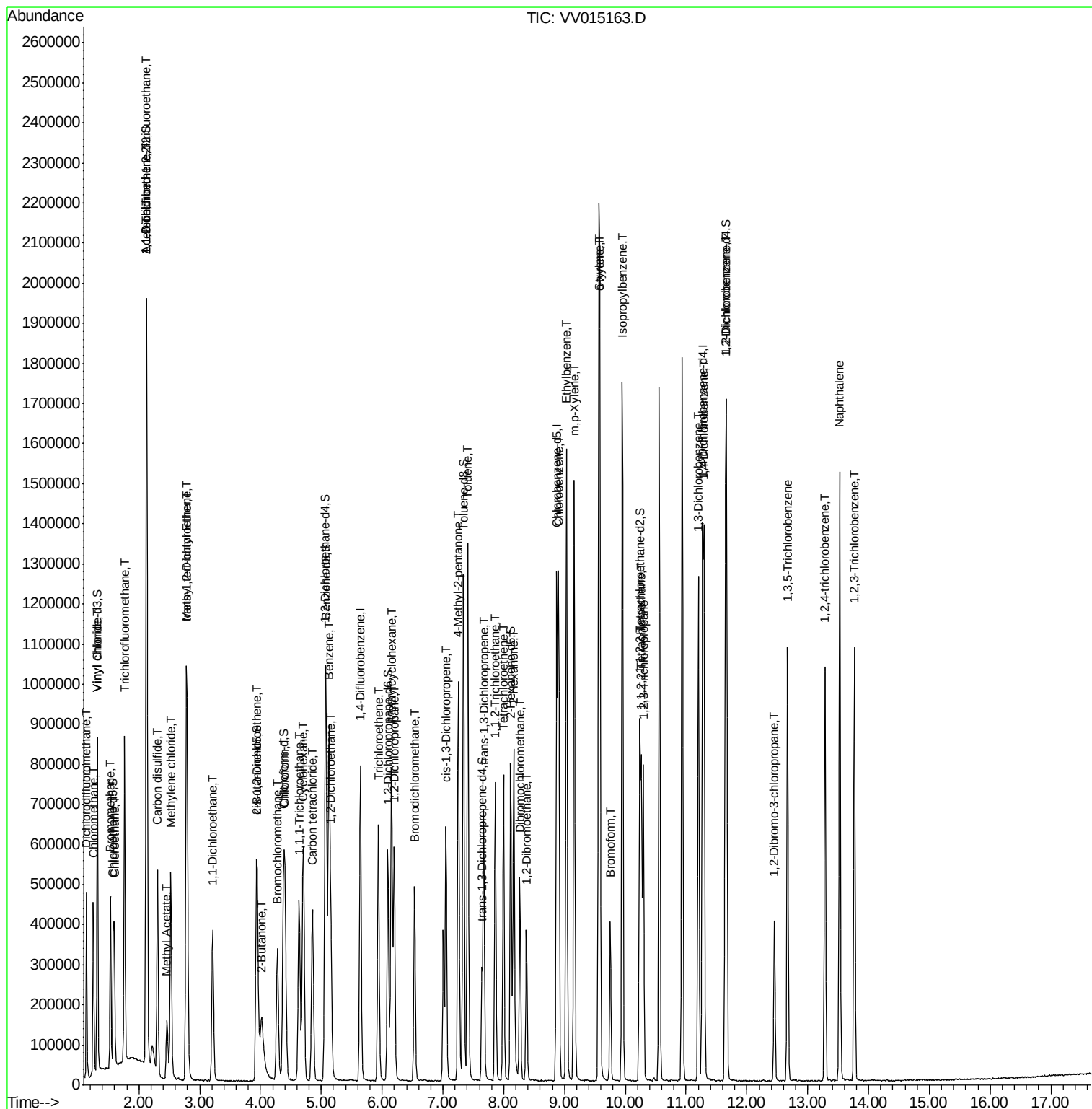
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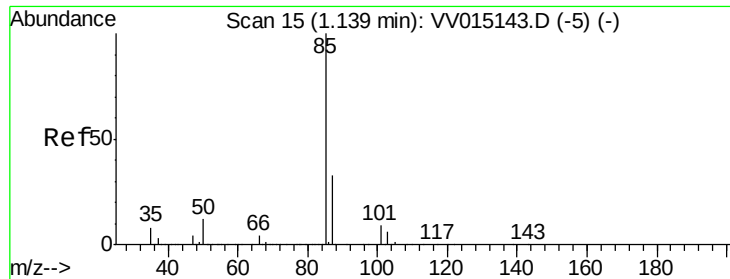
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#2

Dichlorodifluoromethane

Concen: 46.782 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampled :

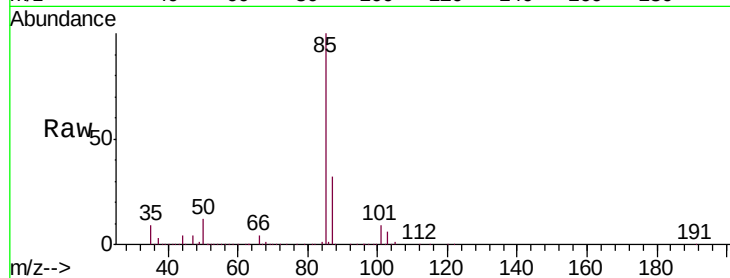
VSTD05074

Tgt Ion: 85 Resp: 240699

Ion Ratio Lower Upper

85 100

87 32.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV015143.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV015143.D (-5) (-)

1.14

250000

200000

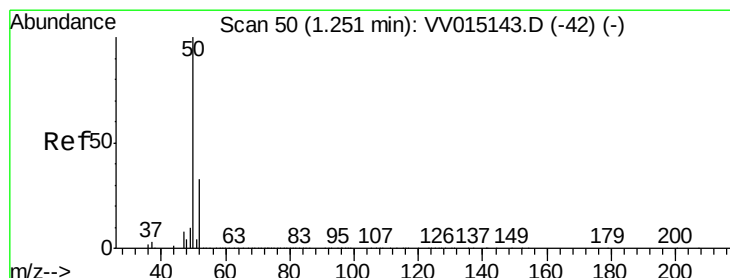
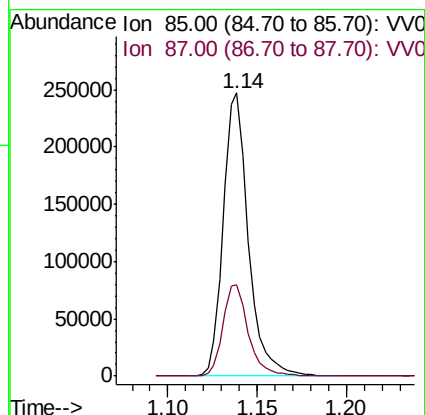
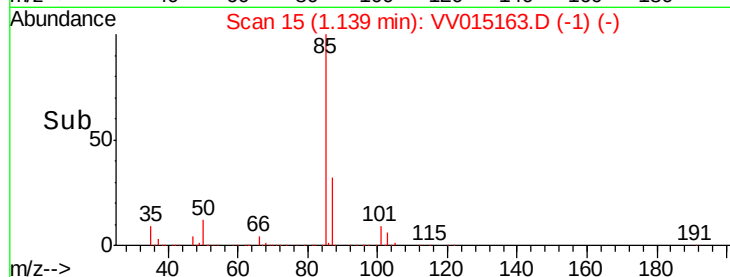
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.396 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015163.D

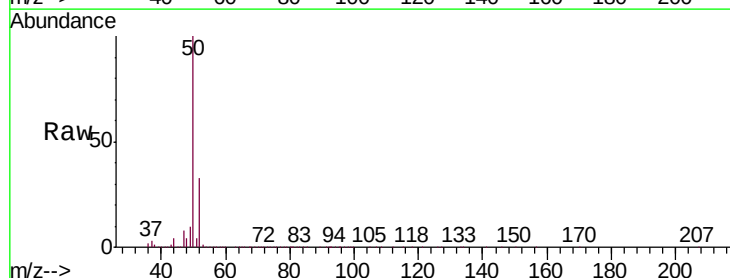
Acq: 26 Mar 2020 02:59

Tgt Ion: 50 Resp: 281673

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV015143.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV015143.D (-42) (-)

1.25

300000

250000

200000

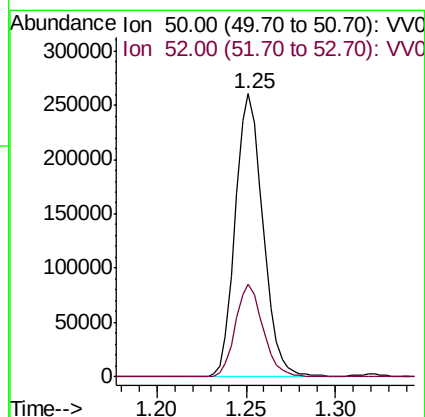
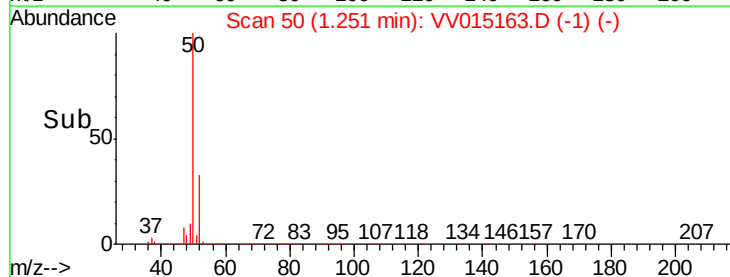
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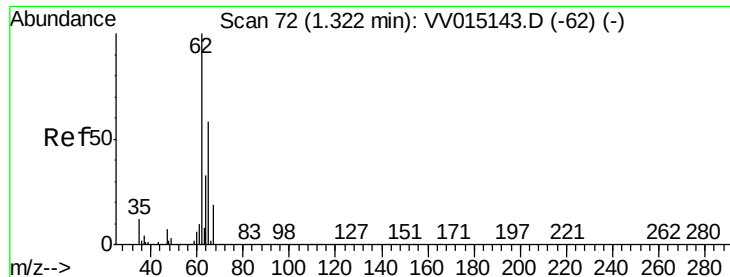
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 51.619 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

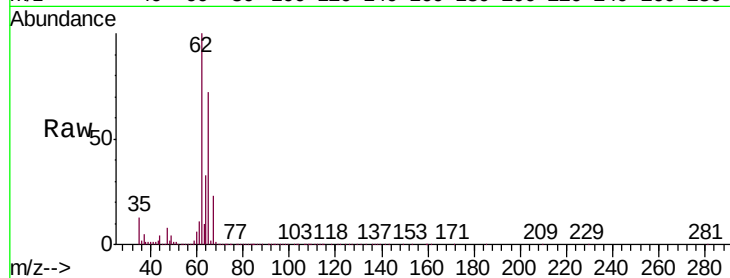
VSTD05074

Tgt Ion: 62 Resp: 288332

Ion Ratio Lower Upper

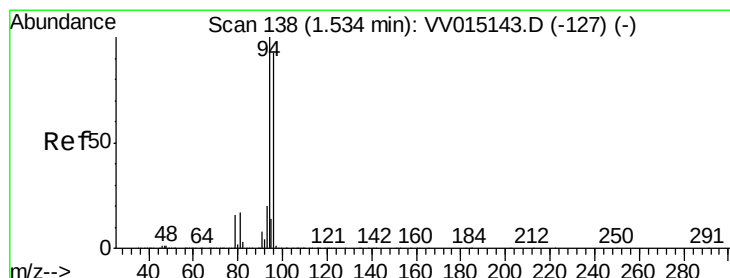
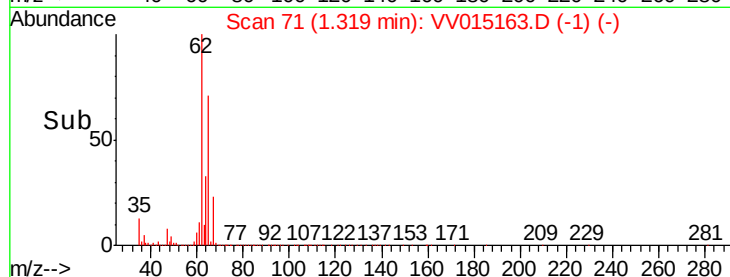
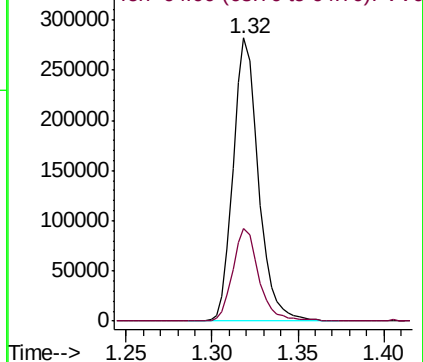
62 100

64 32.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.371 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015163.D

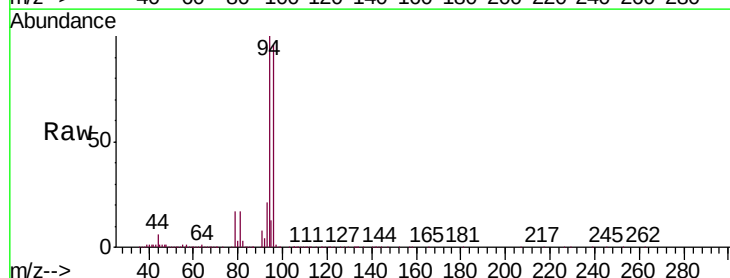
Acq: 26 Mar 2020 02:59

Tgt Ion: 94 Resp: 178883

Ion Ratio Lower Upper

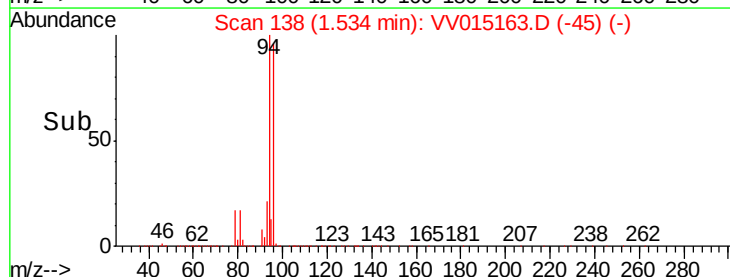
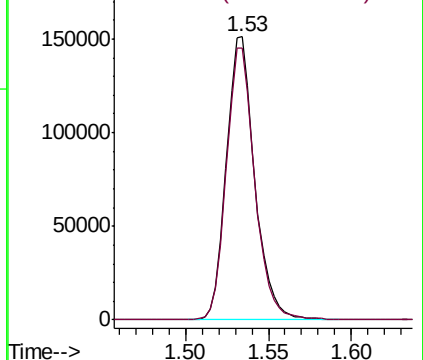
94 100

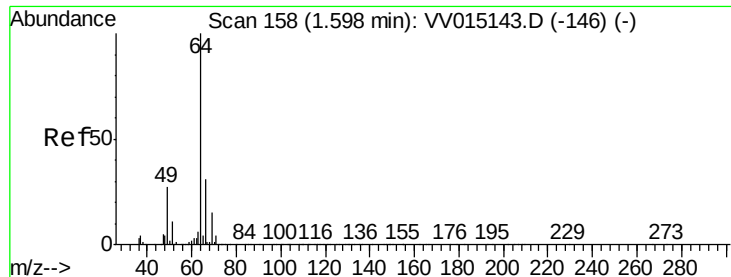
96 96.0 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 46.755 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

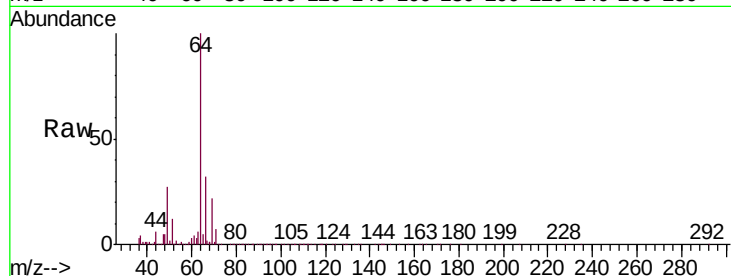
VSTD05074

Tgt Ion: 64 Resp: 189523

Ion Ratio Lower Upper

64 100

66 32.3 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VV015143.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV015143.D (-146) (-)

1.60

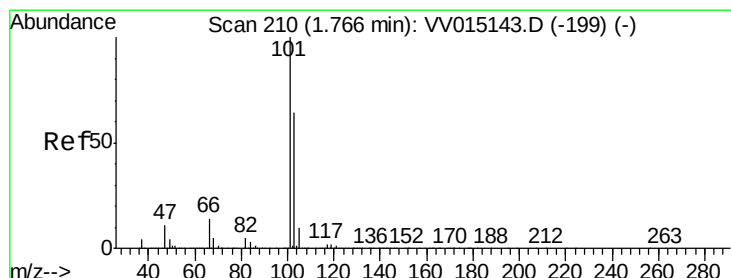
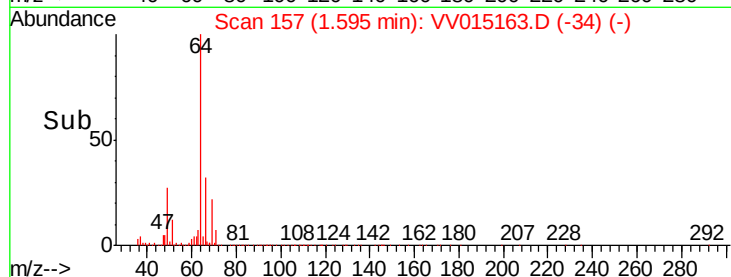
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 51.720 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015163.D

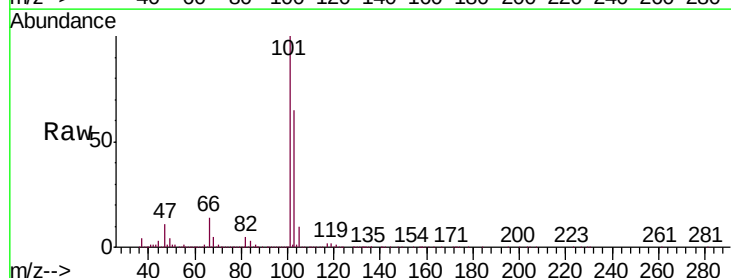
Acq: 26 Mar 2020 02:59

Tgt Ion: 101 Resp: 454096

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VV015143.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV015143.D (-199) (-)

1.77

400000

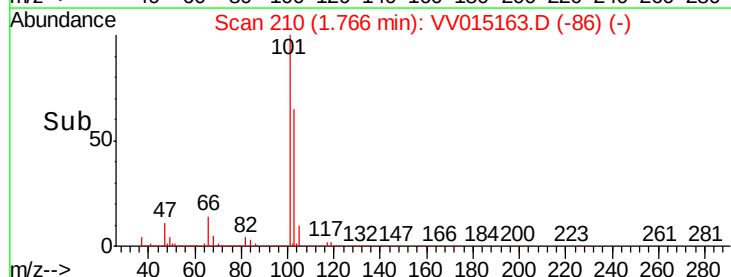
300000

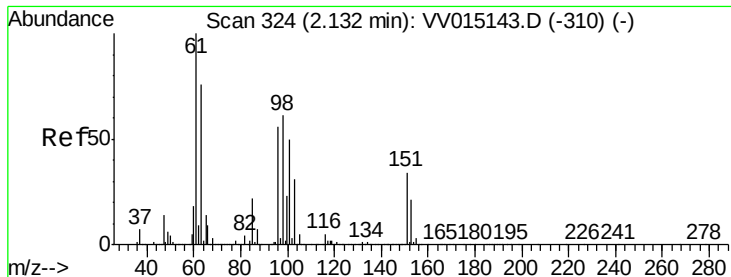
200000

100000

0

Time-->





#10

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

Concen: 48.785 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015163.D

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Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

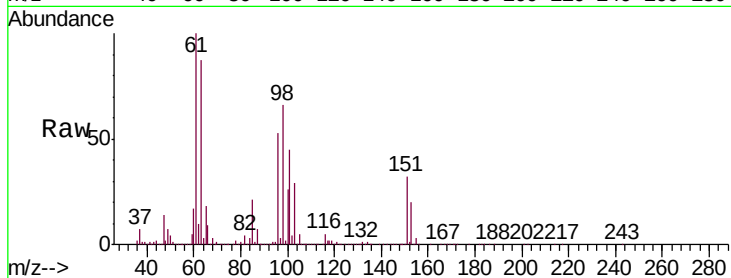
Tgt Ion: 101 Resp: 226509

Ion Ratio Lower Upper

101 100

85 46.3 36.0 54.0

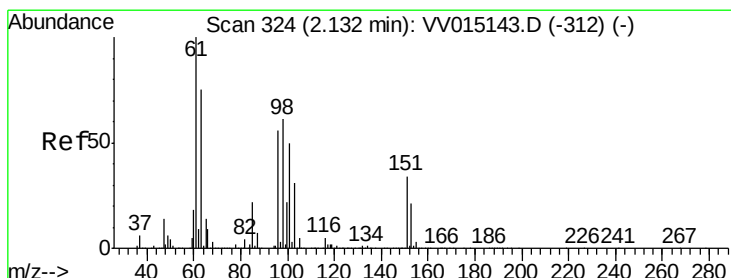
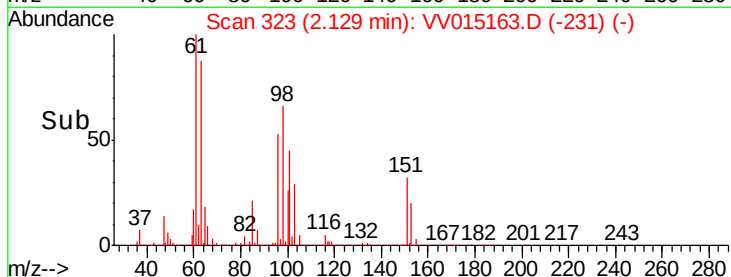
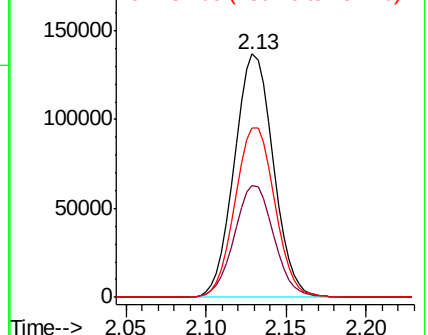
151 71.8 56.2 84.2



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: 52.345 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

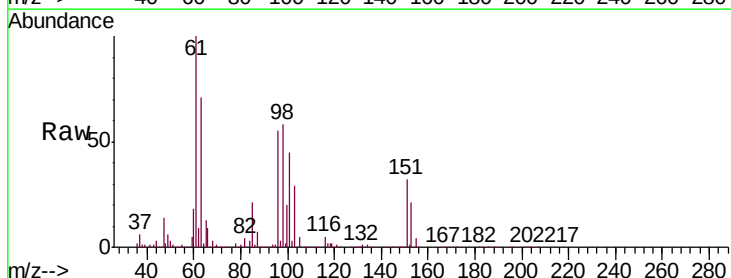
Tgt Ion: 96 Resp: 234008

Ion Ratio Lower Upper

96 100

61 181.5 128.6 238.8

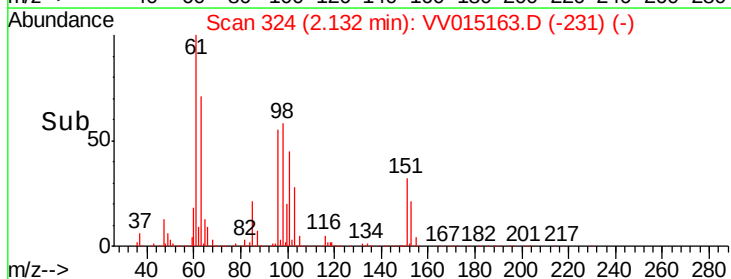
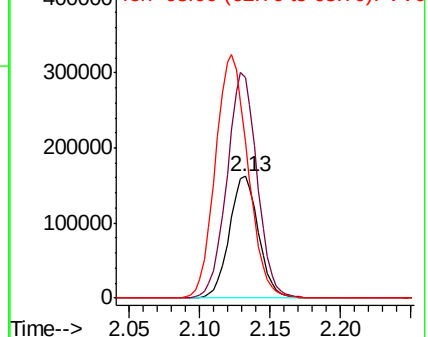
63 129.1 97.5 181.1

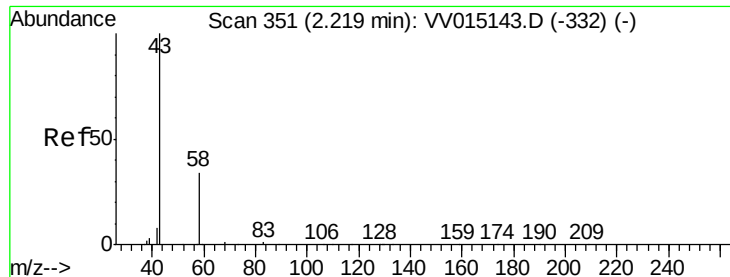


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.917 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.09 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

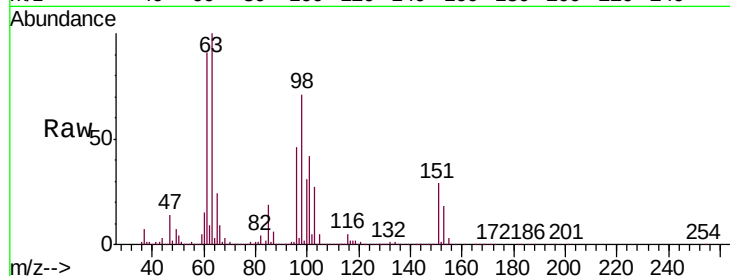
VSTD05074

Tgt Ion: 43 Resp: 3669

Ion Ratio Lower Upper

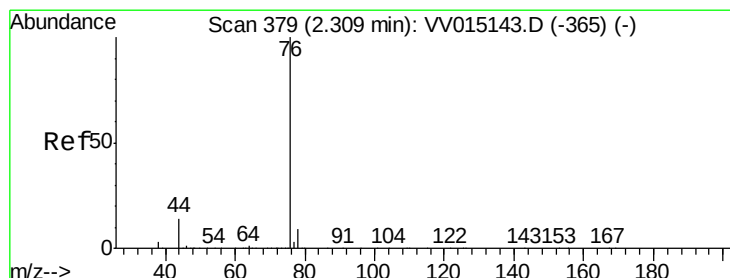
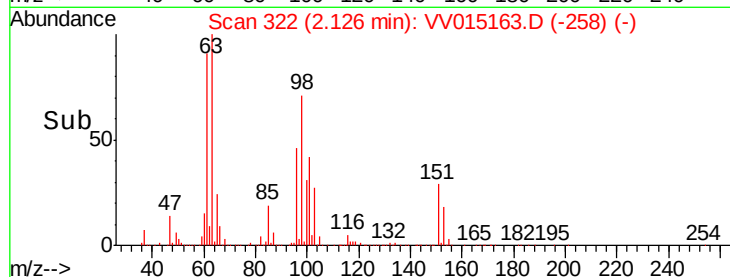
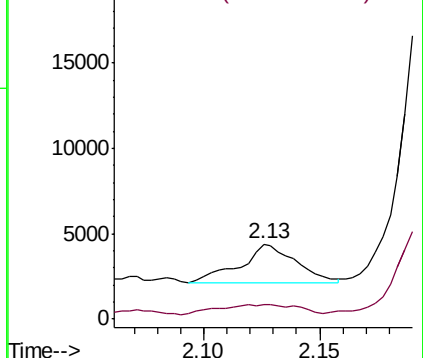
43 100

58 3.4 0.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 48.483 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015163.D

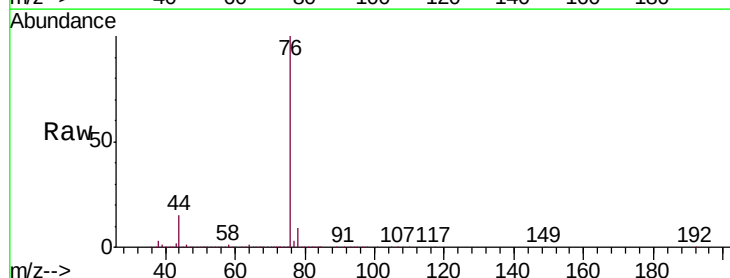
Acq: 26 Mar 2020 02:59

Tgt Ion: 76 Resp: 575422

Ion Ratio Lower Upper

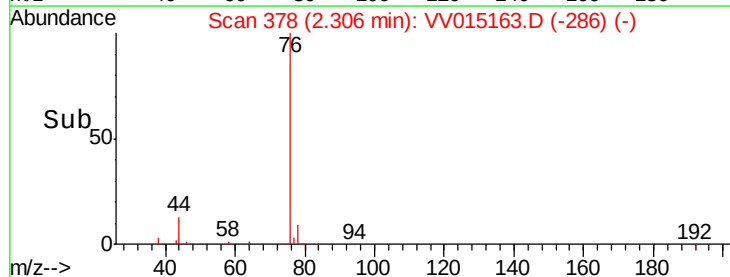
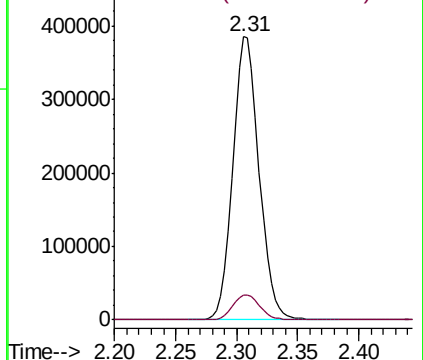
76 100

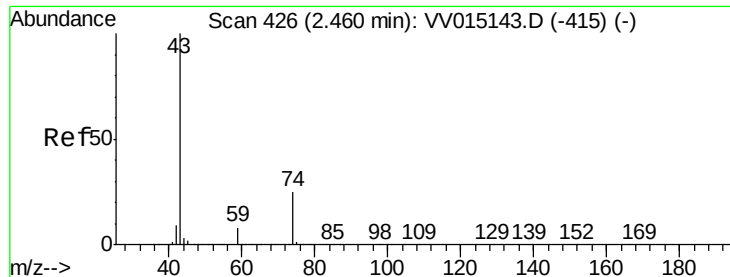
78 8.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

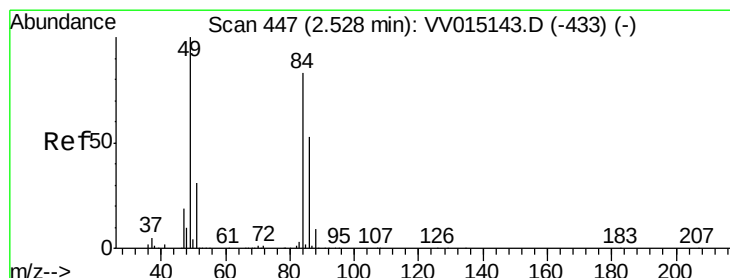
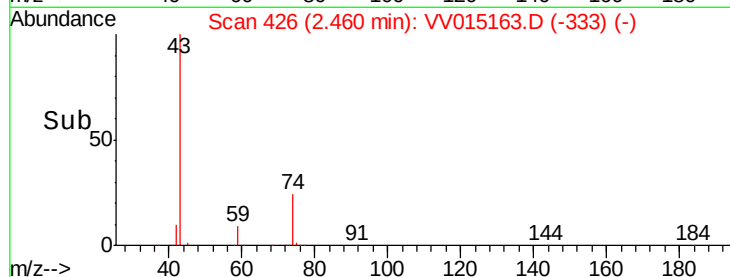
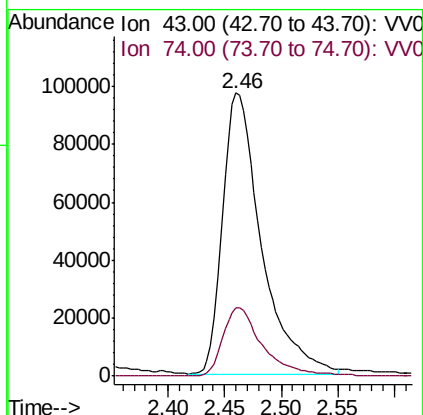
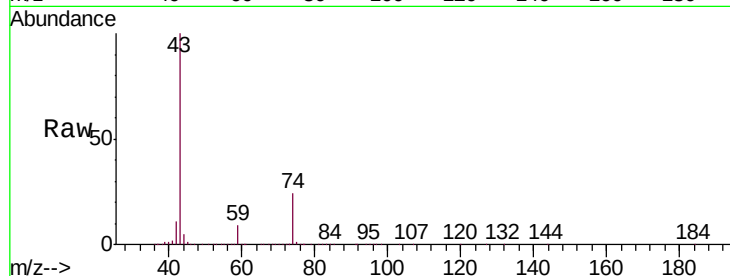




#15
Methyl Acetate
Concen: 53.715 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015163.D
Acq: 26 Mar 2020 02:59

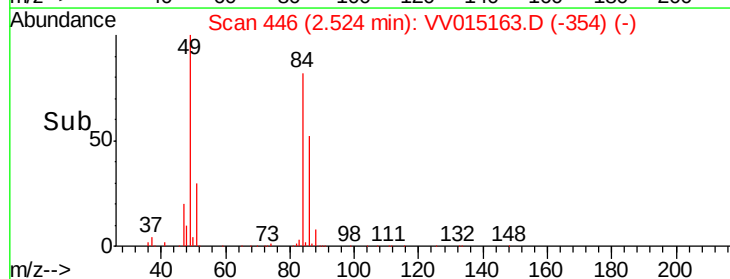
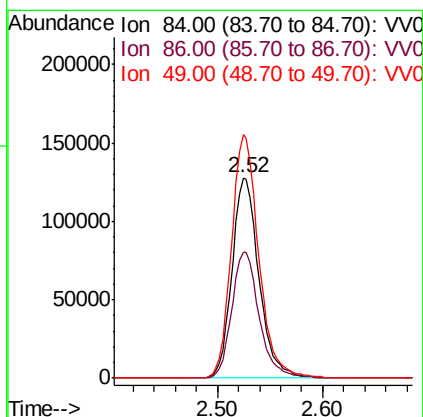
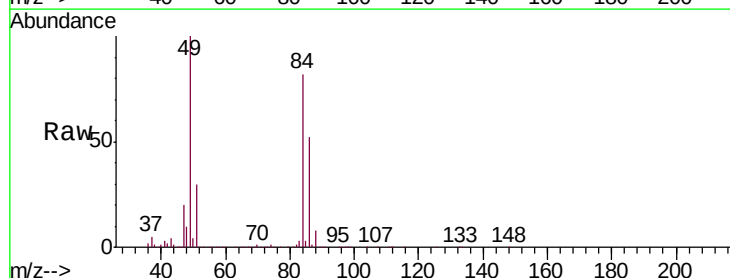
Instrument :
MSVOA_V
ClientSampled :
VSTD05074

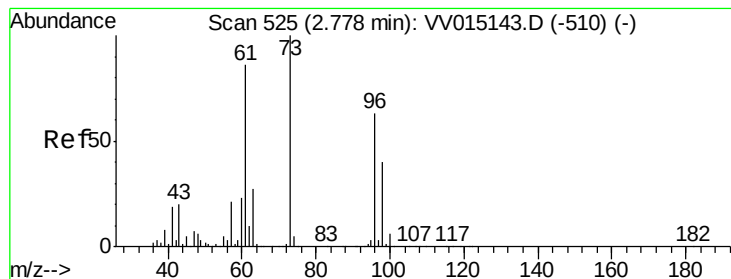
Tgt Ion: 43 Resp: 231172
Ion Ratio Lower Upper
43 100
74 25.2 19.5 29.3



#16
Methylene chloride
Concen: 52.423 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015163.D
Acq: 26 Mar 2020 02:59

Tgt Ion: 84 Resp: 226072
Ion Ratio Lower Upper
84 100
86 62.9 45.8 85.2
49 121.4 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 51.101 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

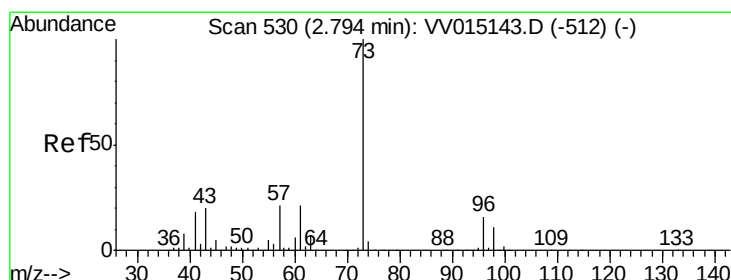
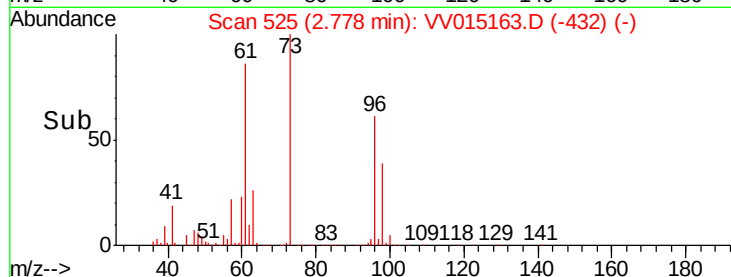
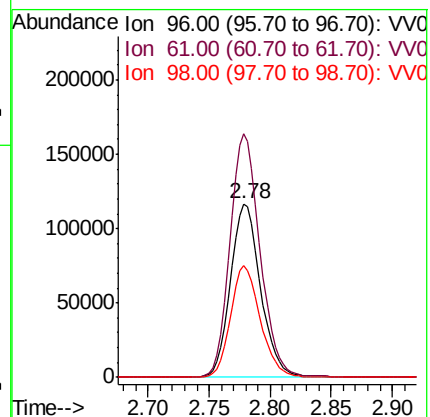
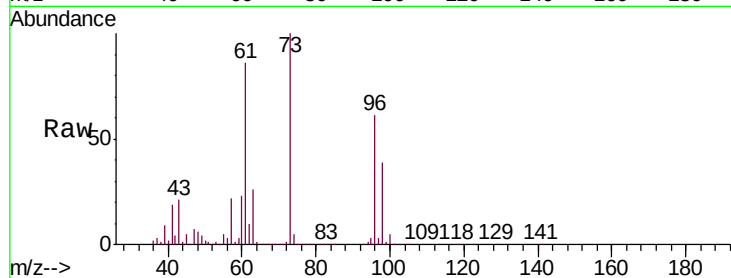
Tgt Ion: 96 Resp: 202231

Ion Ratio Lower Upper

96 100

61 140.4 94.8 176.0

98 64.5 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 53.631 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

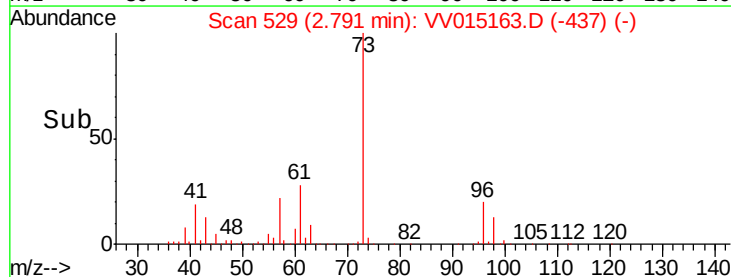
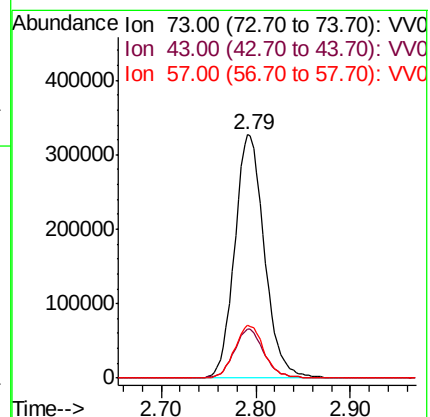
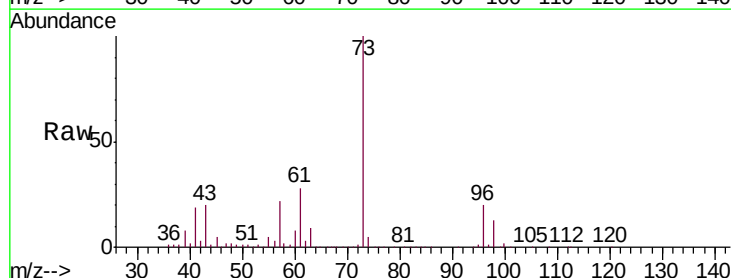
Tgt Ion: 73 Resp: 712429

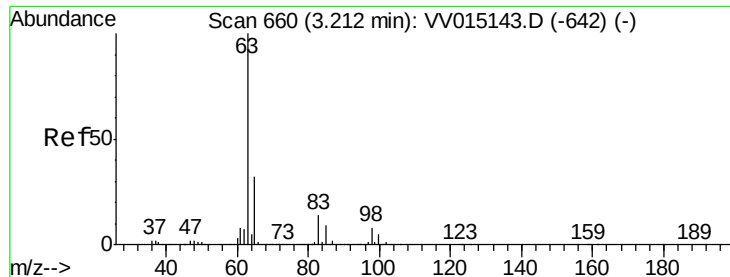
Ion Ratio Lower Upper

73 100

43 19.8 15.4 23.0

57 21.0 17.0 25.6

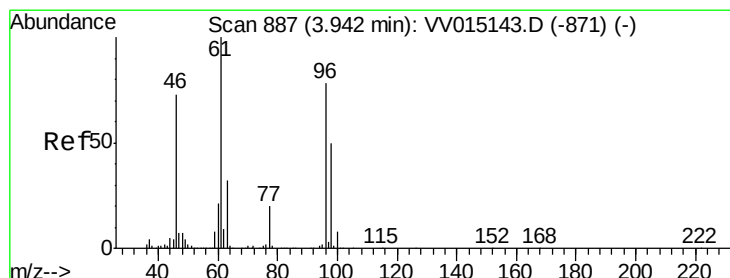
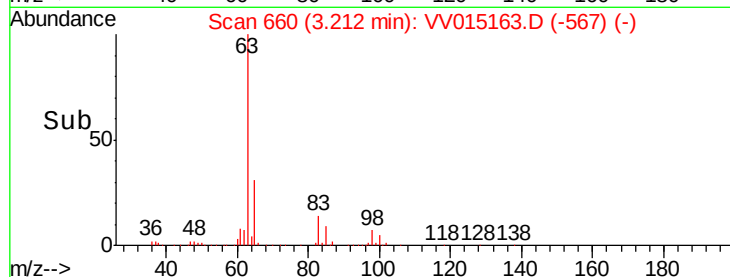
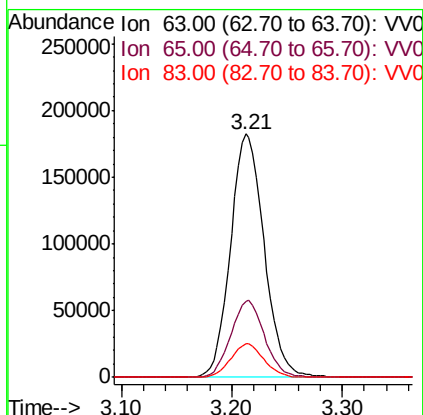
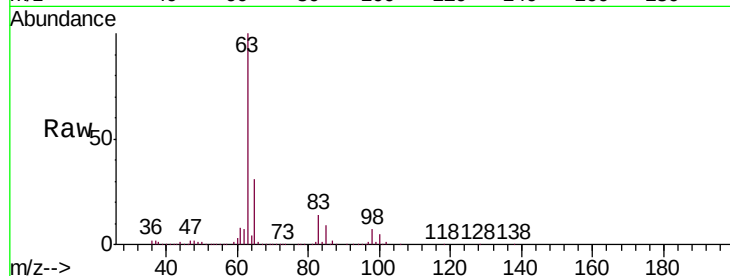




#19
 1,1-Dichloroethane
 Concen: 53.436 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

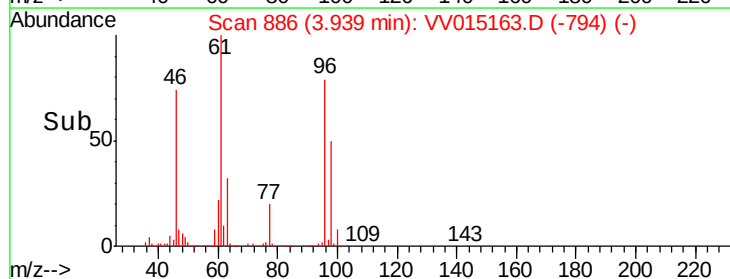
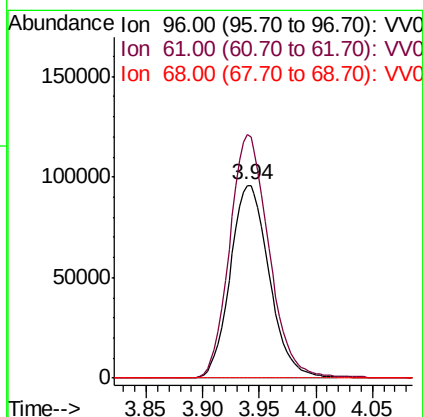
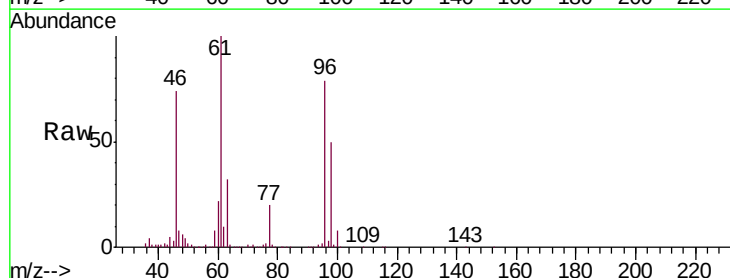
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

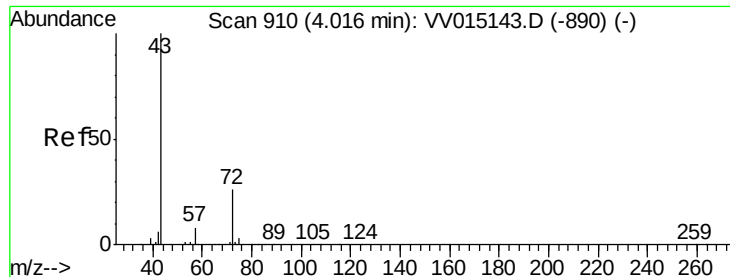
Tgt Ion:	63	Resp:	385439
Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.8	42.4
83	13.8	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 52.459 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

Tgt Ion:	96	Resp:	229379
Ion	Ratio	Lower	Upper
96	100		
61	126.3	88.3	163.9
68	0.2	0.1	0.3





#22

2-Butanone

Concen: 104.325 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

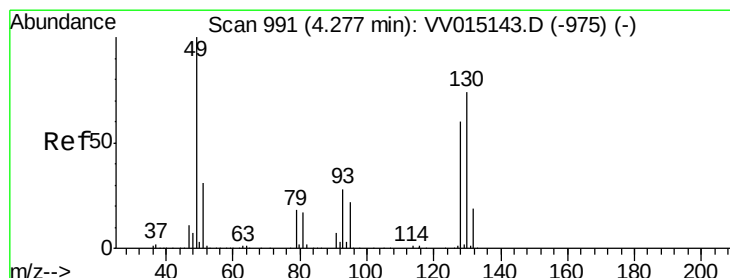
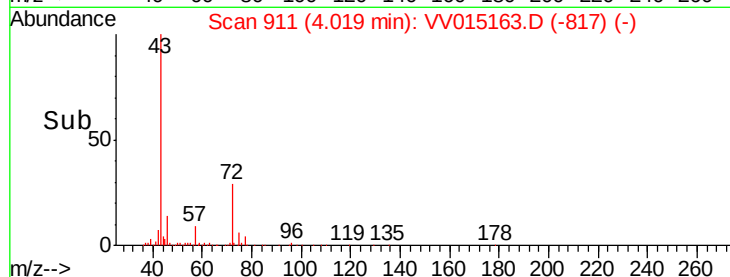
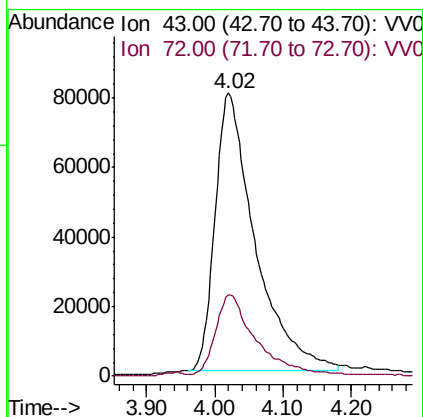
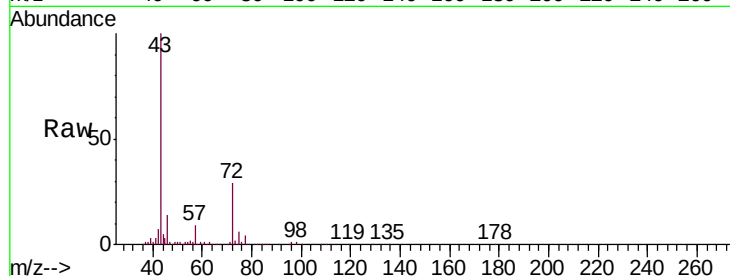
VSTD05074

Tgt Ion: 43 Resp: 325482

Ion Ratio Lower Upper

43 100

72 28.7 13.5 40.4



#23

Bromochloromethane

Concen: 51.462 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Tgt Ion: 128 Resp: 112859

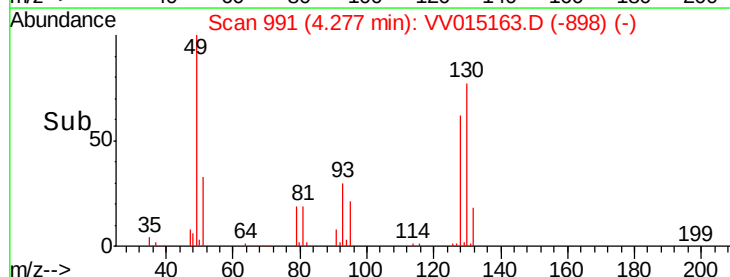
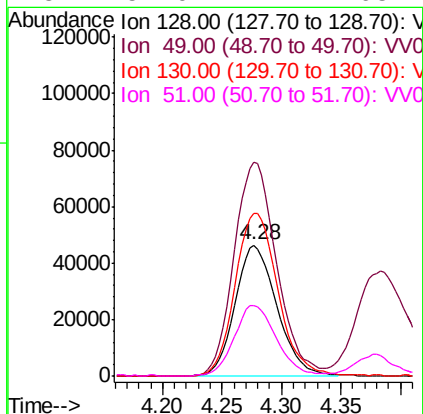
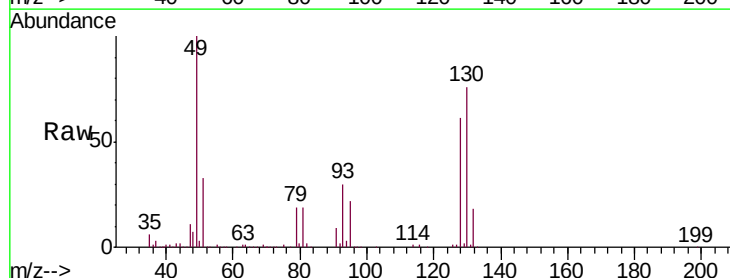
Ion Ratio Lower Upper

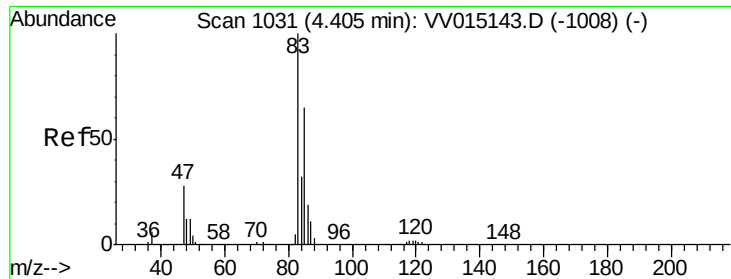
128 100

49 163.0 117.1 217.5

130 124.0 89.5 166.1

51 54.0 42.2 63.4





#25

Chloroform

Concen: 52.795 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

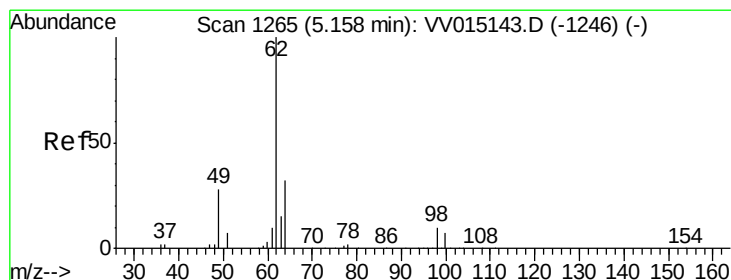
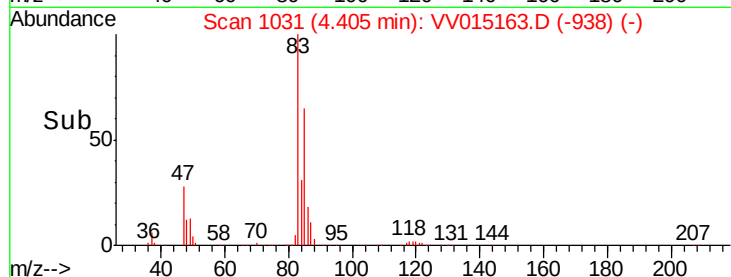
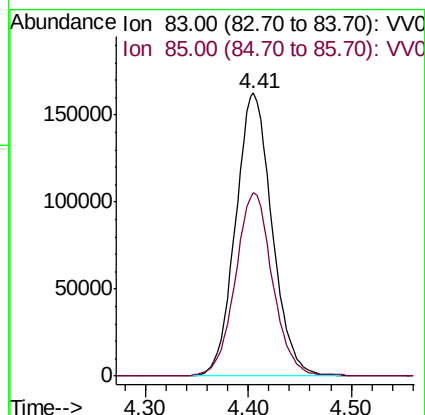
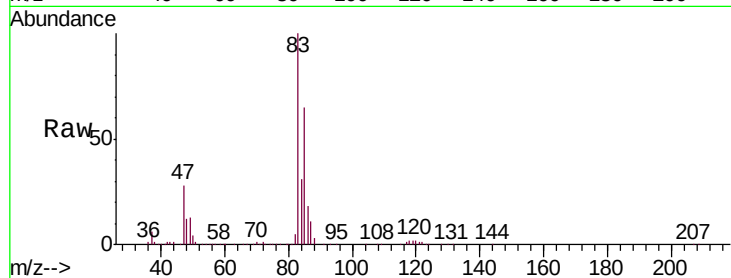
VSTD05074

Tgt Ion: 83 Resp: 398251

Ion Ratio Lower Upper

83 100

85 64.9 44.8 83.2



#27

1,2-Dichloroethane

Concen: 54.679 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015163.D

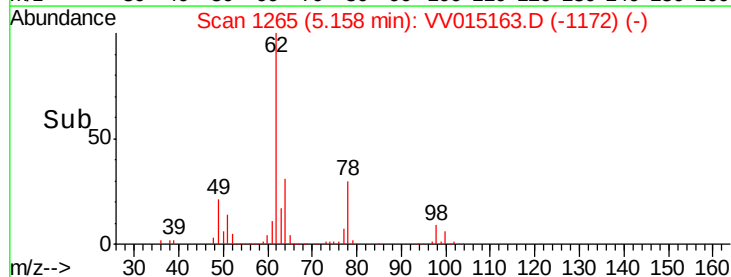
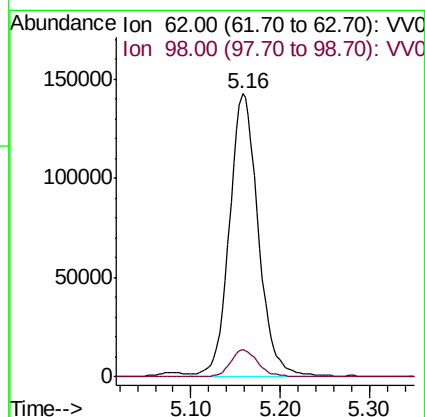
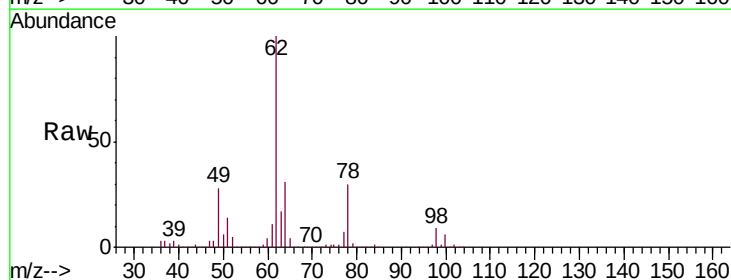
Acq: 26 Mar 2020 02:59

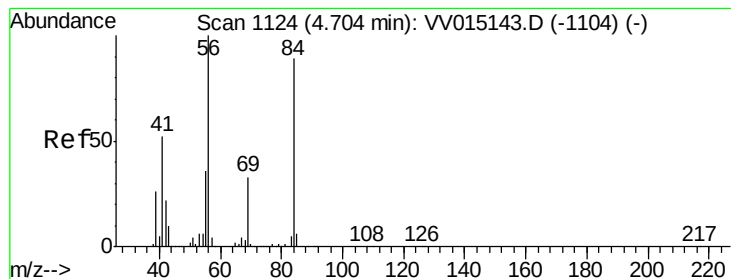
Tgt Ion: 62 Resp: 319578

Ion Ratio Lower Upper

62 100

98 9.5 7.5 11.3





#29

Cyclohexane

Concen: 48.907 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampled :

VSTD05074

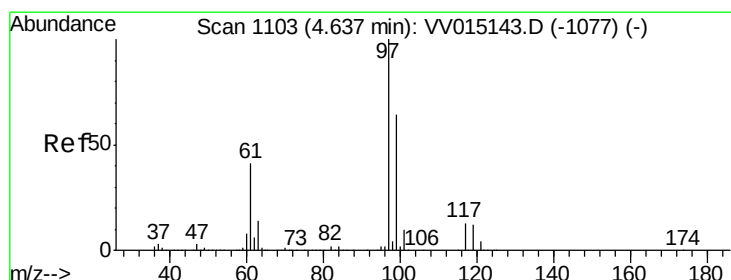
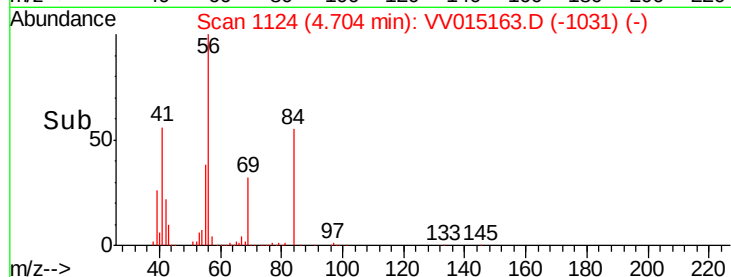
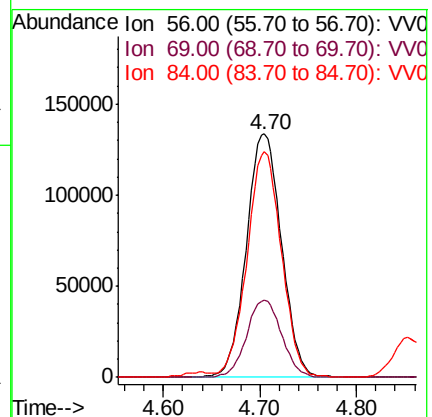
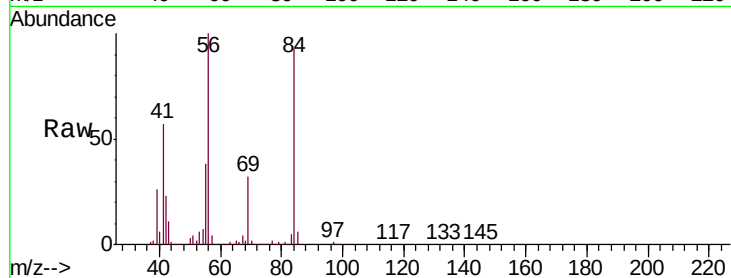
Tgt Ion: 56 Resp: 335612

Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.2

84 90.9 74.0 111.0



#30

1,1,1-Trichloroethane

Concen: 51.919 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

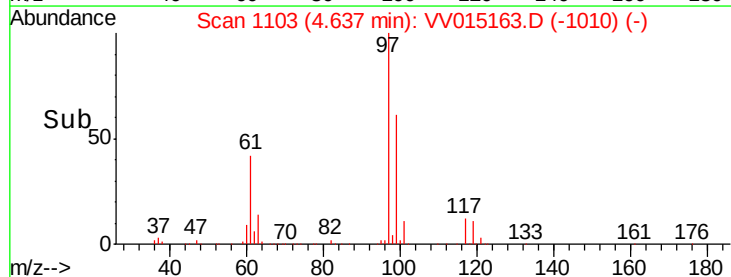
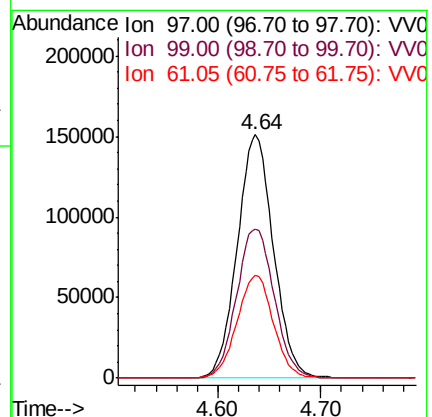
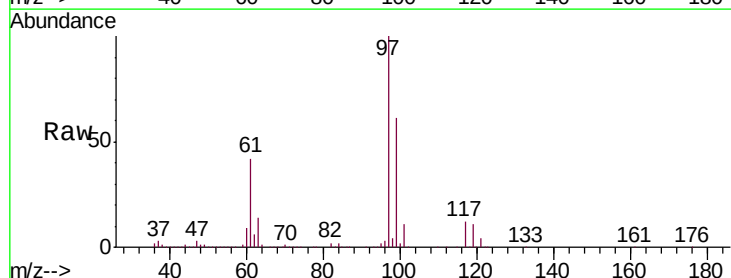
Tgt Ion: 97 Resp: 366967

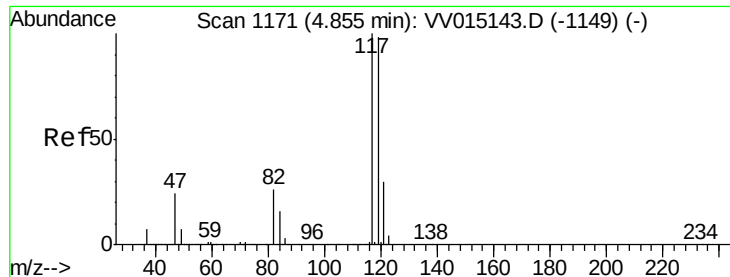
Ion Ratio Lower Upper

97 100

99 64.0 52.5 78.7

61 42.1 33.2 49.8

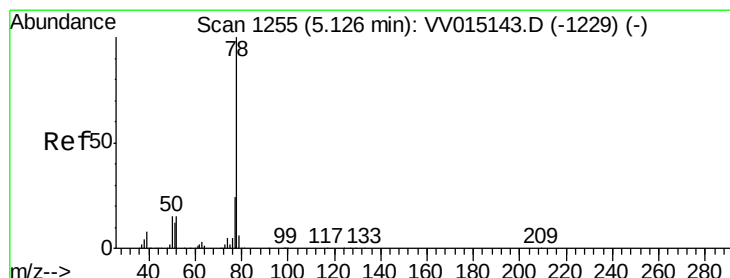
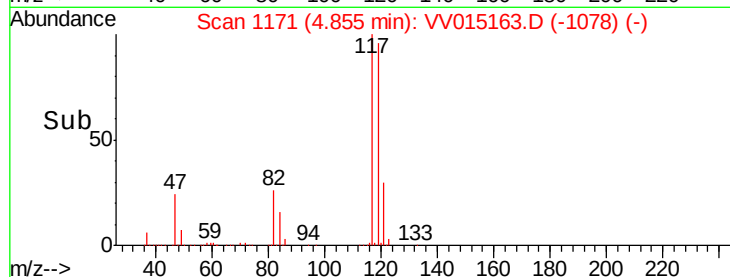
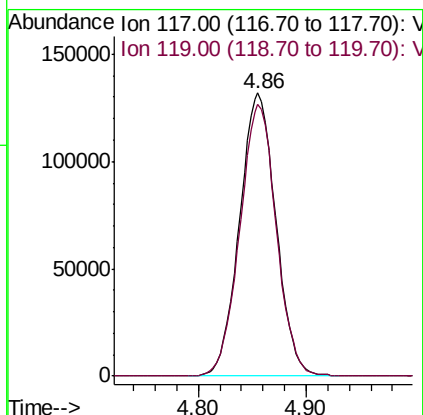
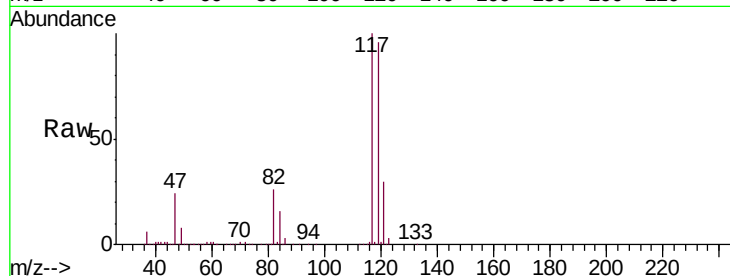




#31
Carbon tetrachloride
Concen: 50.669 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015163.D
Acq: 26 Mar 2020 02:59

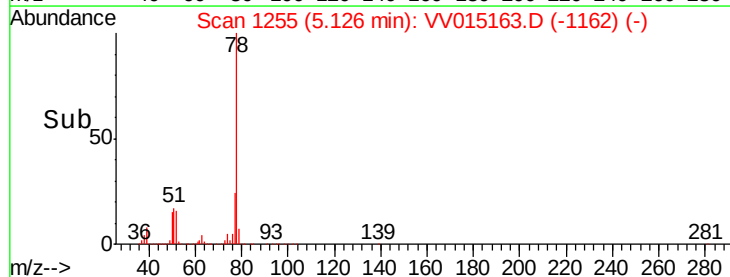
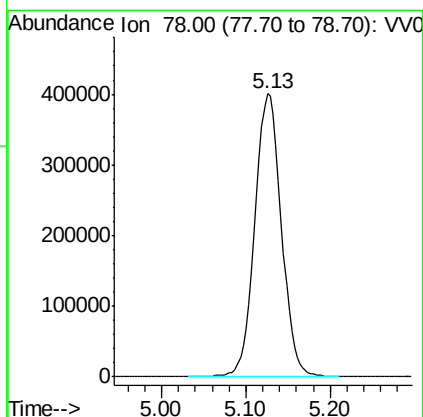
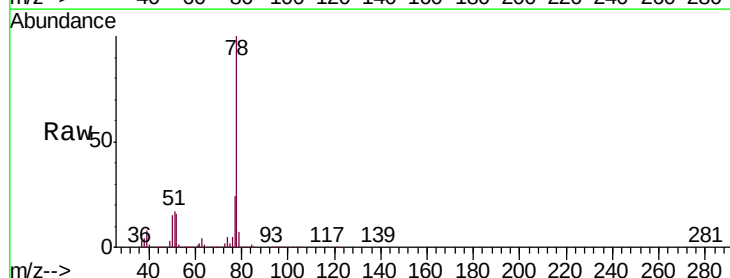
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

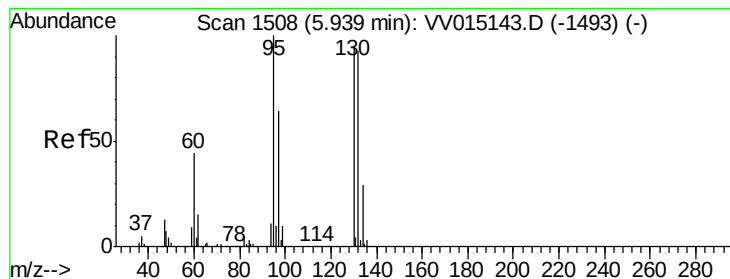
Tgt Ion:117 Resp: 309248
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.4



#33
Benzene
Concen: 52.245 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015163.D
Acq: 26 Mar 2020 02:59

Tgt Ion: 78 Resp: 876216





#34

Trichloroethene

Concen: 49.278 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

Tgt Ion: 95 Resp: 218973

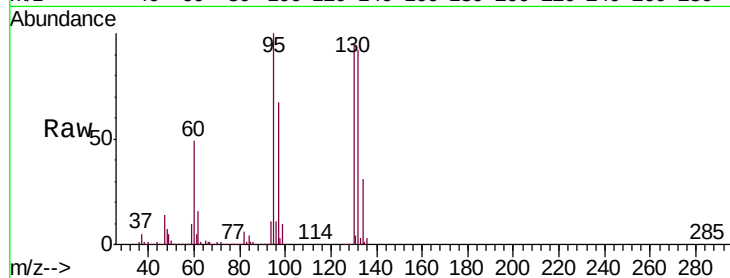
Ion Ratio Lower Upper

95 100

97 66.6 44.4 82.4

132 92.2 67.6 125.6

130 94.3 69.2 128.4

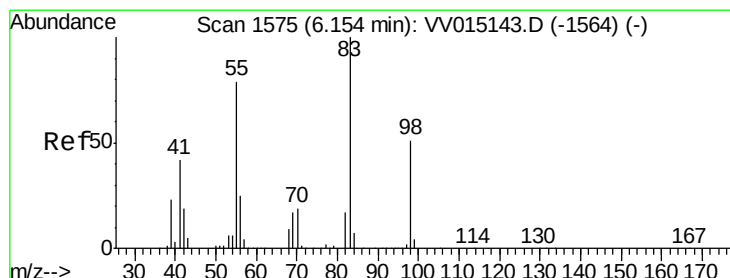
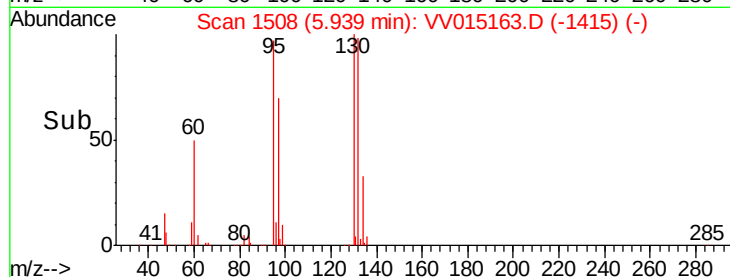
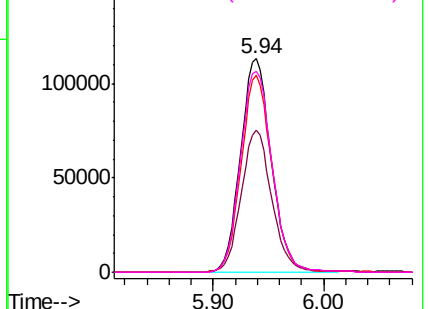


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 46.105 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

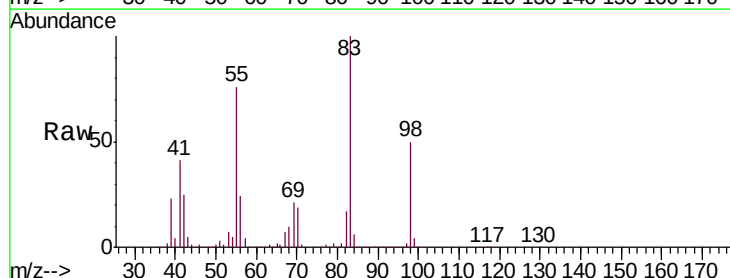
Tgt Ion: 83 Resp: 344221

Ion Ratio Lower Upper

83 100

55 73.7 59.5 89.3

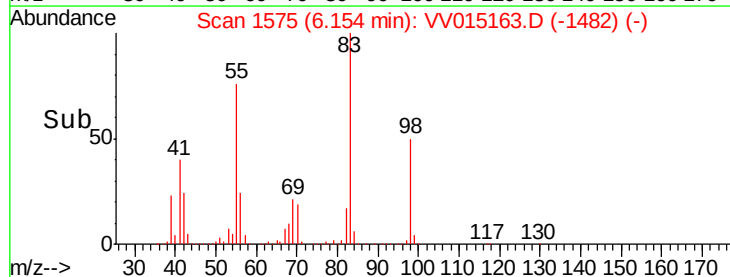
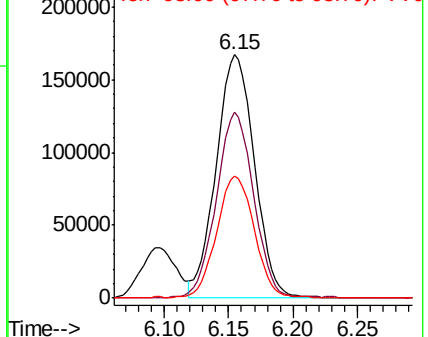
98 49.5 39.1 58.7

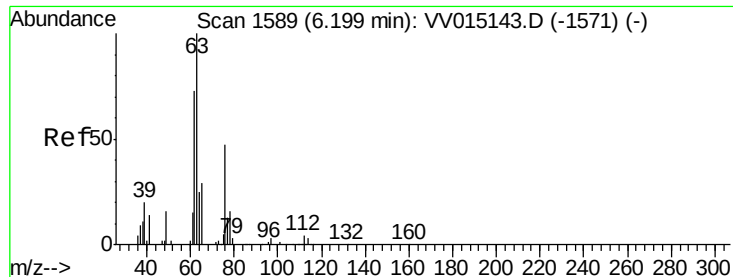


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

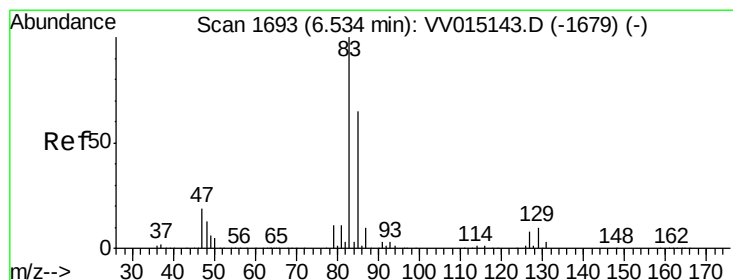
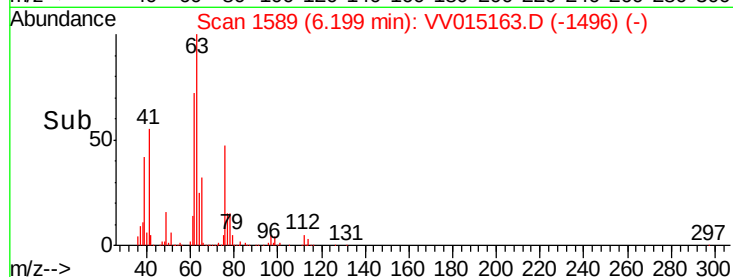
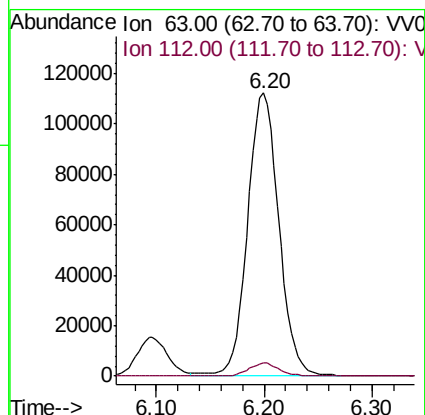
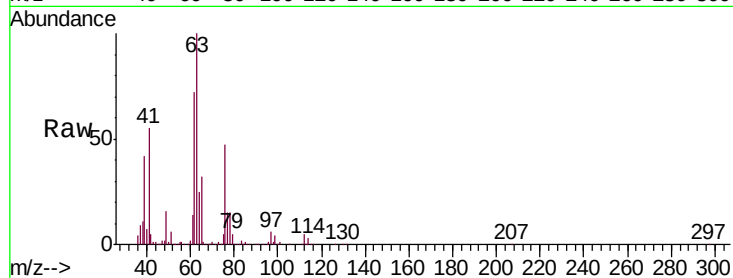




#37
 1,2-Dichloropropane
 Concen: 52.957 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

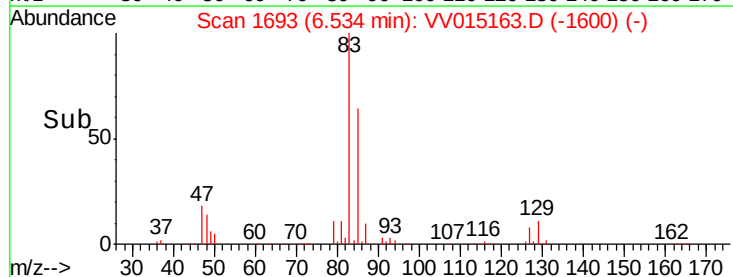
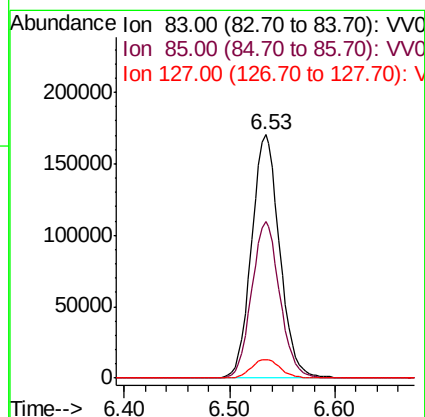
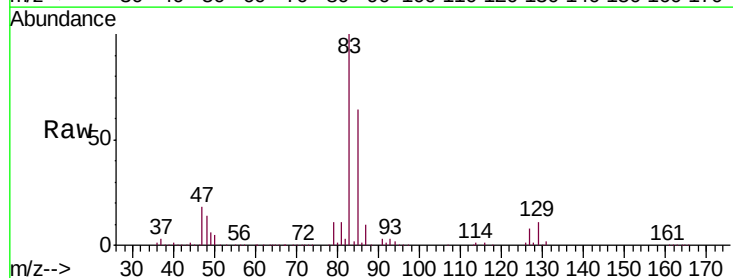
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

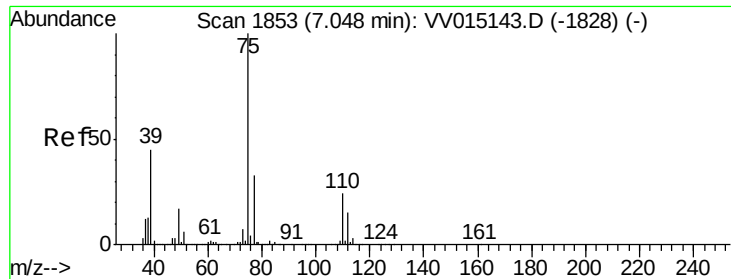
Tgt Ion: 63 Resp: 224324
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 52.214 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

Tgt Ion: 83 Resp: 316477
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.4 84.4
 127 7.7 6.9 10.3

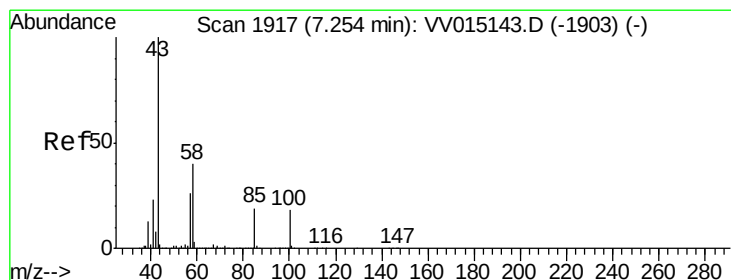
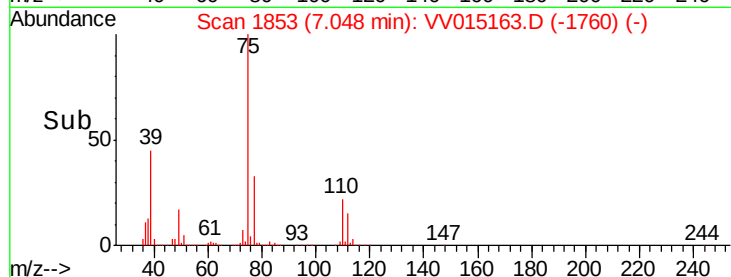
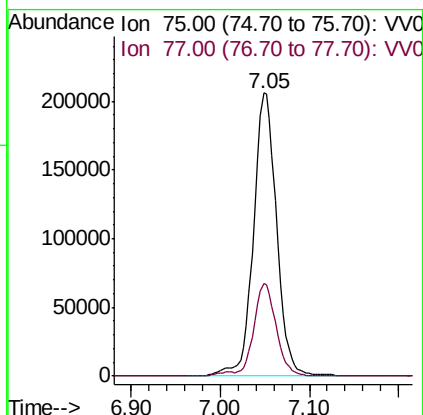
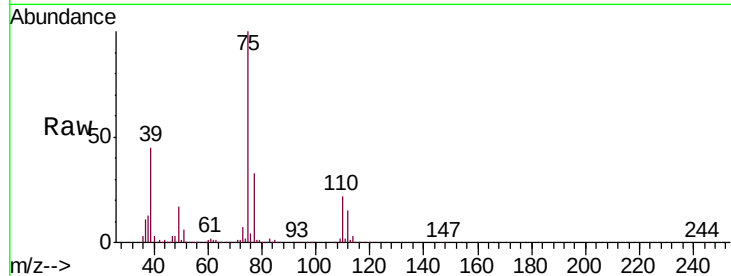




#39
 cis-1,3-Dichloropropene
 Concen: 50.957 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

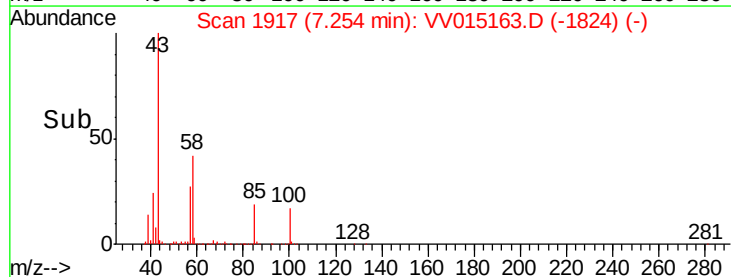
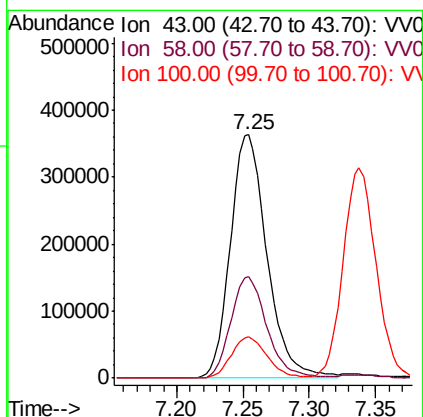
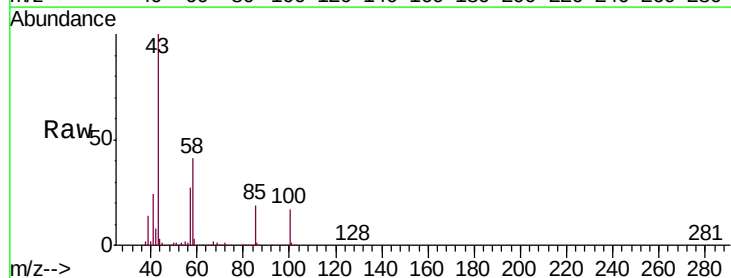
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

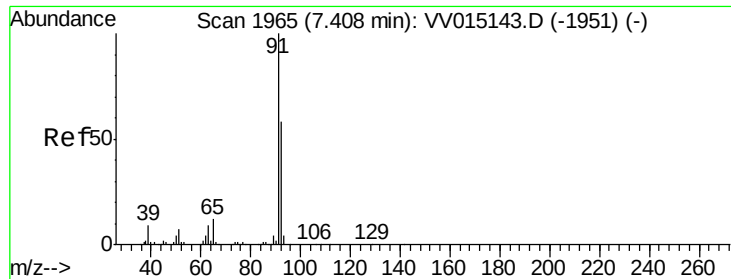
Tgt Ion: 75 Resp: 372191
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 108.183 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

Tgt Ion: 43 Resp: 694117
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.5 48.7
 100 16.8 13.8 20.8





#42

Toluene

Concen: 52.497 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

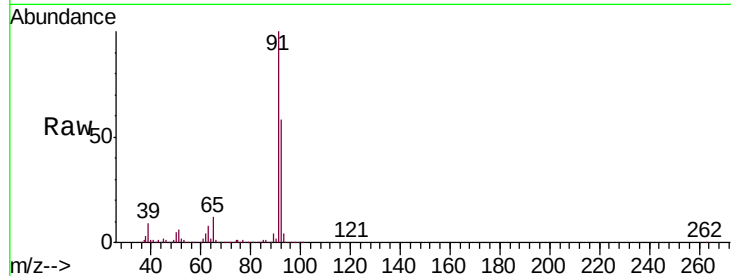
VSTD05074

Tgt Ion: 91 Resp: 978579

Ion Ratio Lower Upper

91 100

92 57.7 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV015163.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV015163.D (-1951) (-)

7.41

600000

500000

400000

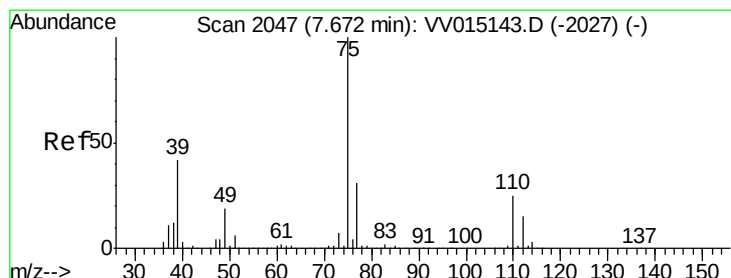
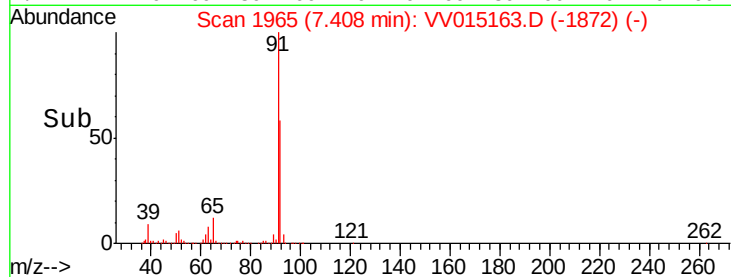
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 51.374 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015163.D

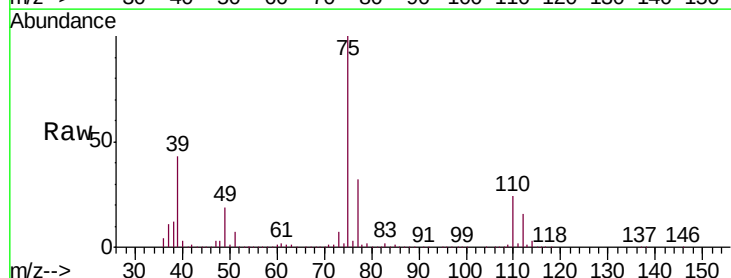
Acq: 26 Mar 2020 02:59

Tgt Ion: 75 Resp: 364224

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV015163.D (-1954) (-)

Ion 77.00 (76.70 to 77.70): VV015163.D (-1954) (-)

7.67

250000

200000

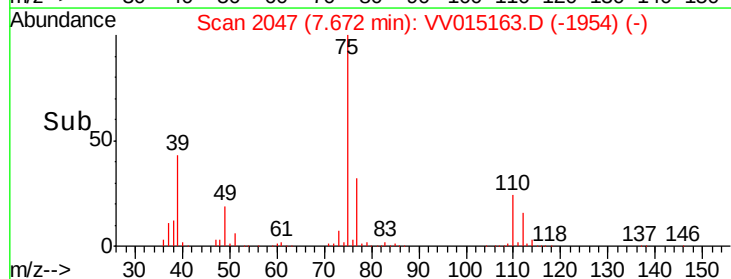
150000

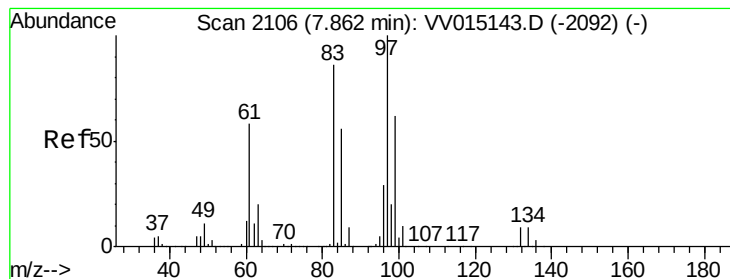
100000

50000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 53.261 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

Tgt Ion: 97 Resp: 222094

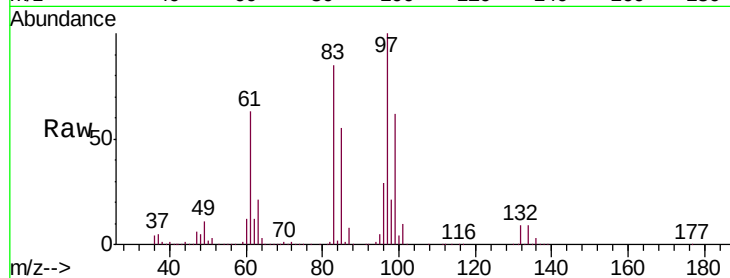
Ion Ratio Lower Upper

97 100

99 61.5 44.2 82.2

83 85.4 59.9 111.3

85 55.5 38.6 71.8

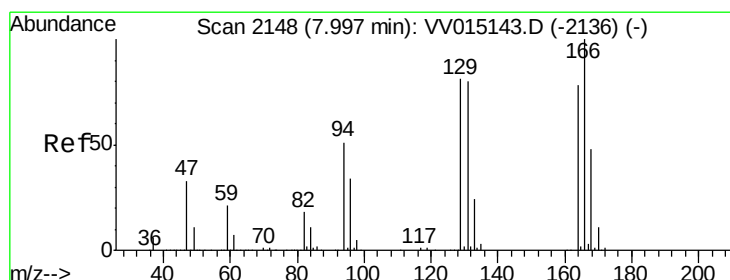
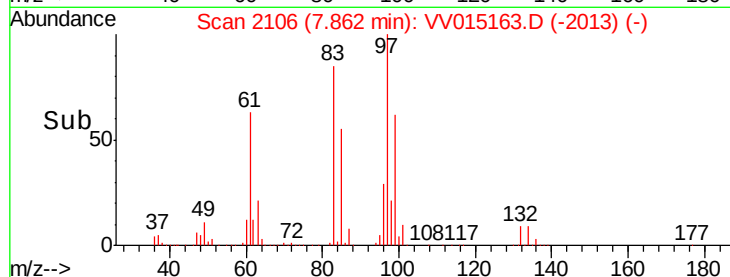
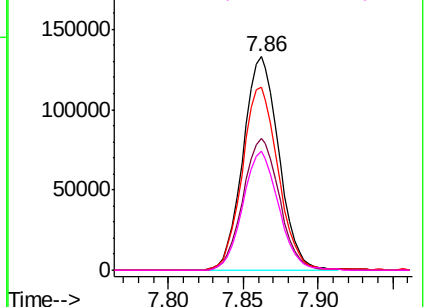


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 47.741 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Tgt Ion: 164 Resp: 151383

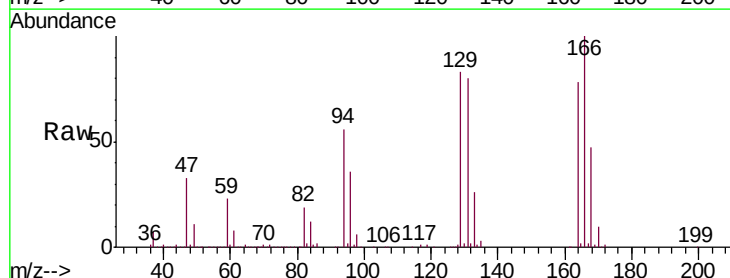
Ion Ratio Lower Upper

164 100

129 106.5 71.2 132.2

131 102.9 67.8 125.8

166 128.5 89.2 165.8

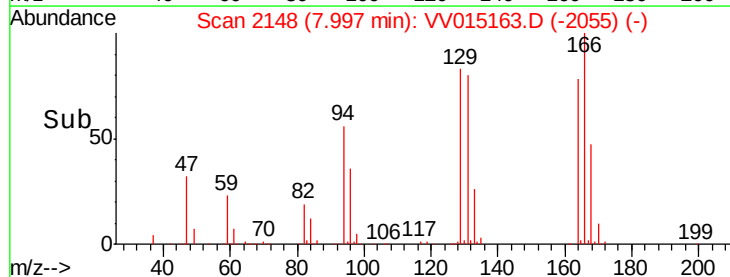
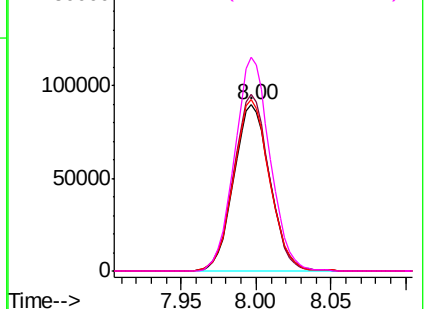


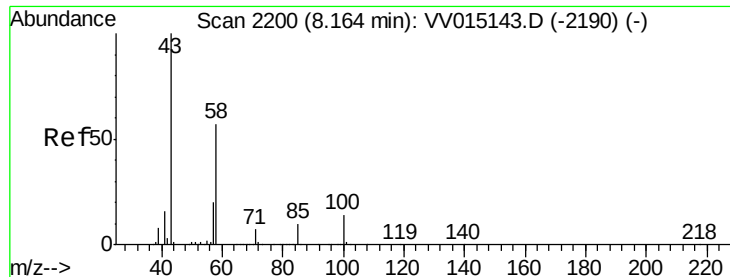
Abundance Ion 164.00 (163.70 to 164.70): V

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

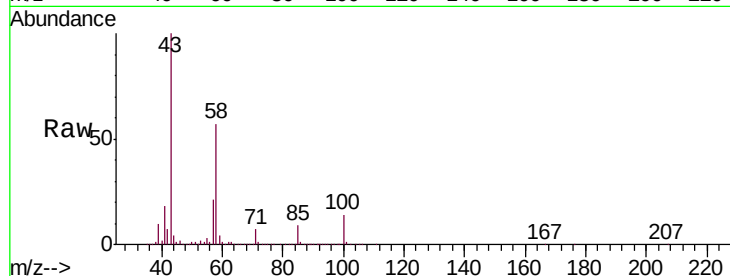




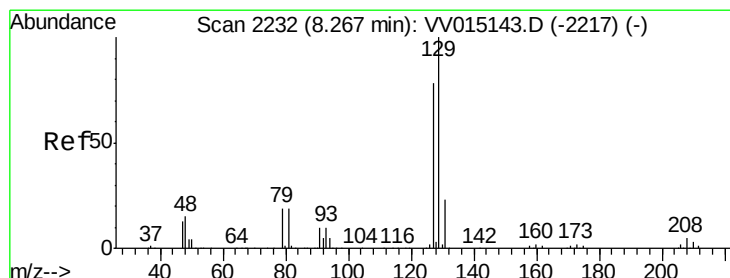
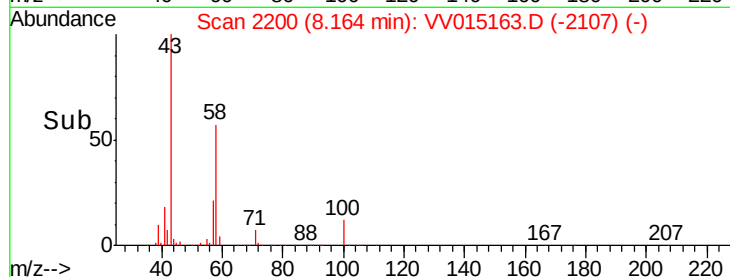
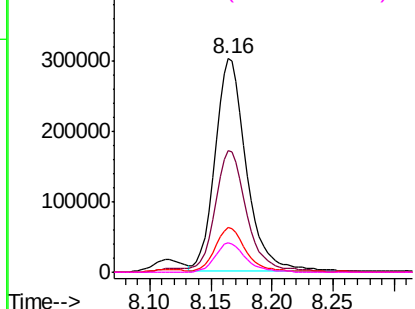
#48
2-Hexanone
Concen: 110.520 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015163.D
Acq: 26 Mar 2020 02:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Tgt Ion: 43 Resp: 540511
Ion Ratio Lower Upper
43 100
58 57.9 47.0 70.6
57 20.0 16.5 24.7
100 13.7 10.9 16.3

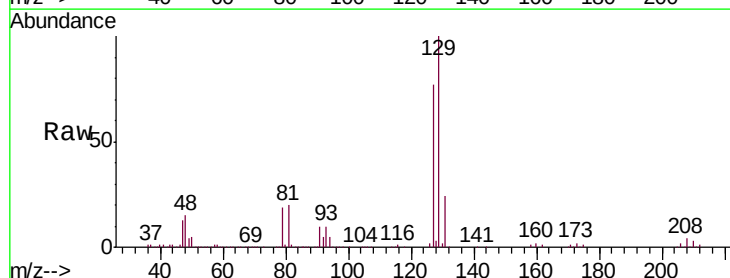


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

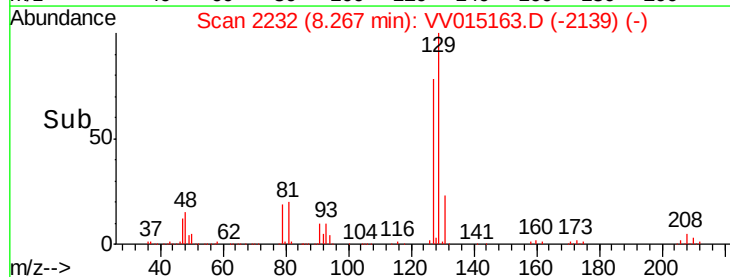
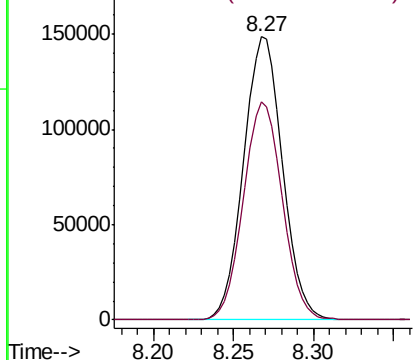


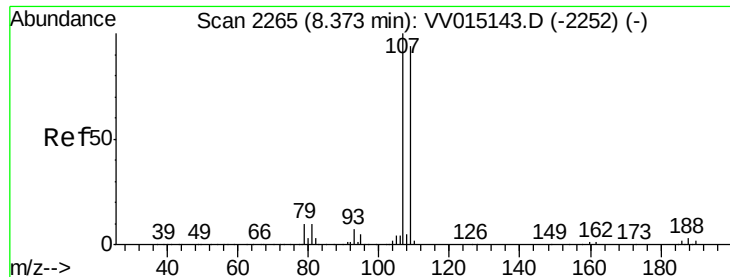
#49
Dibromochloromethane
Concen: 51.992 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015163.D
Acq: 26 Mar 2020 02:59

Tgt Ion: 129 Resp: 246964
Ion Ratio Lower Upper
129 100
127 76.9 53.4 99.2



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

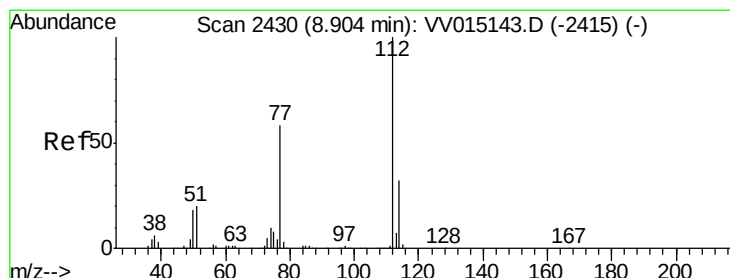
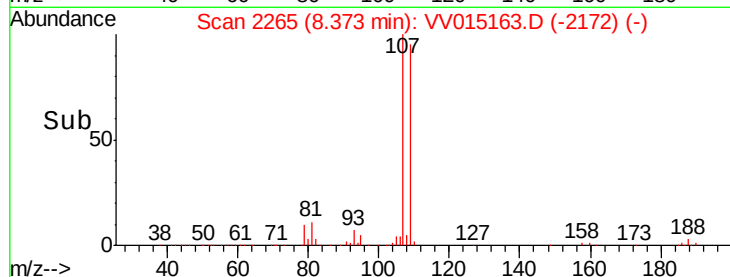
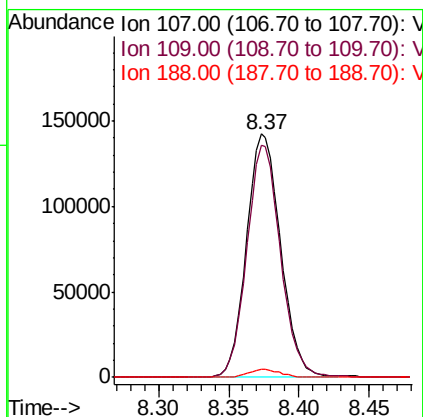
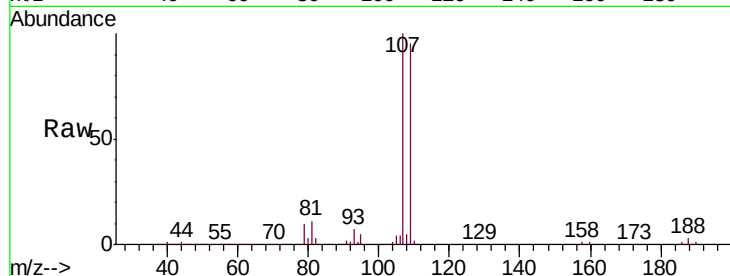




#50
 1,2-Dibromoethane
 Concen: 52.547 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

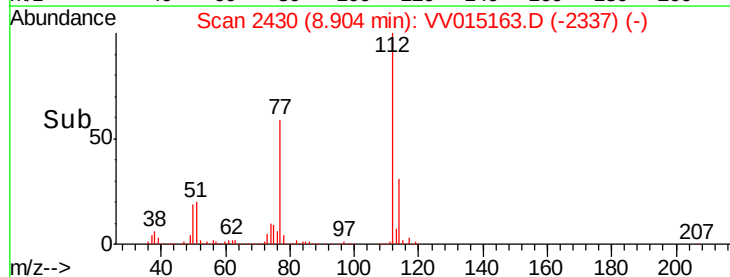
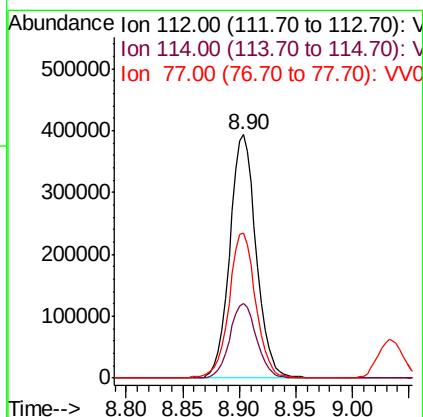
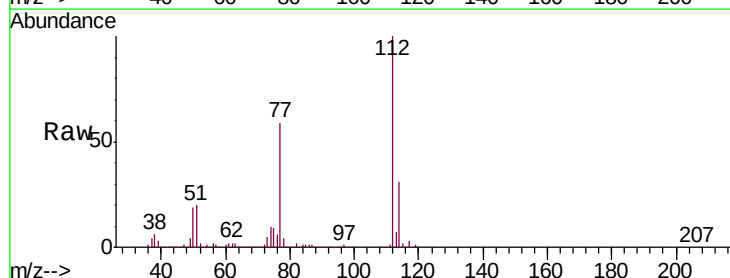
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

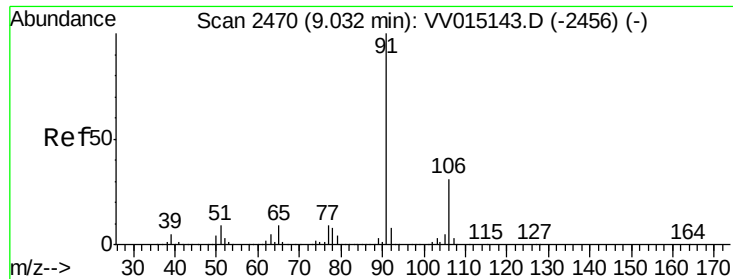
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	66.6	123.6
188	3.3	2.5	3.7



#51
 Chlorobenzene
 Concen: 52.881 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	22.0	40.8
77	59.4	47.2	70.8

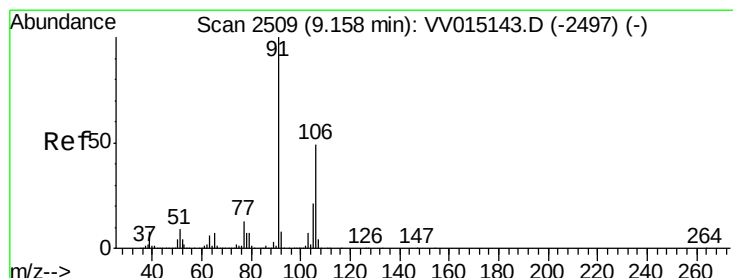
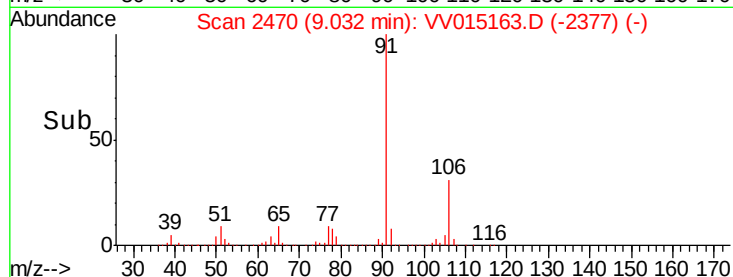
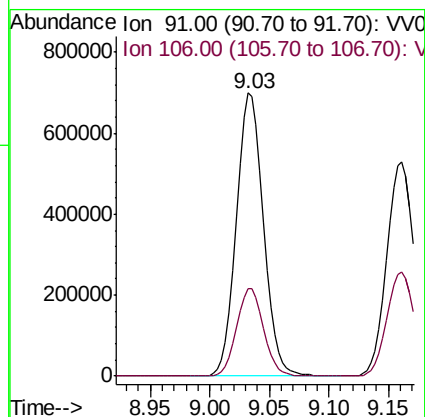
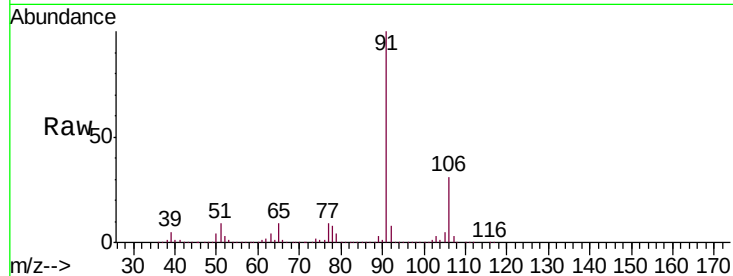




#52
Ethylbenzene
Concen: 52.836 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV015163.D
Acq: 26 Mar 2020 02:59

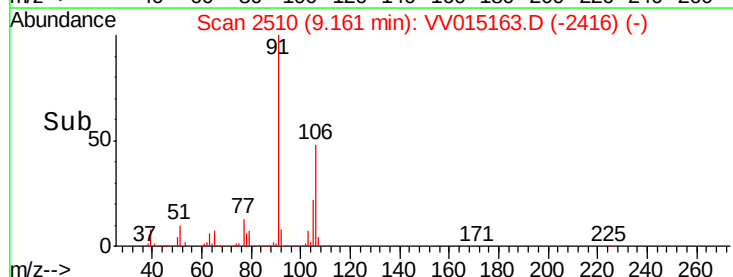
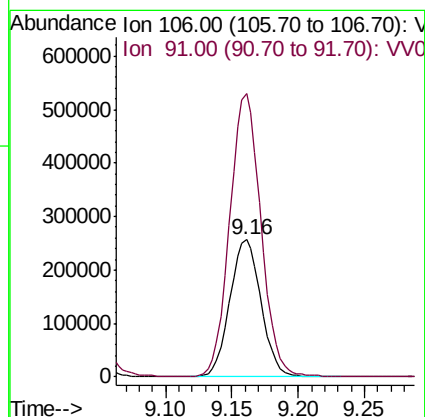
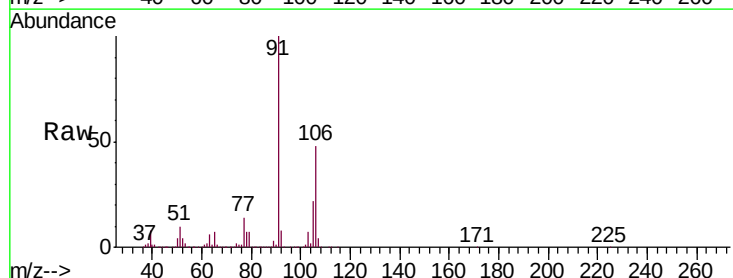
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

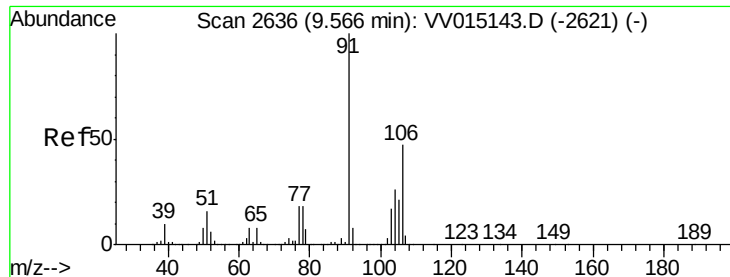
Tgt Ion: 91 Resp: 1104698
Ion Ratio Lower Upper
91 100
106 30.9 22.2 41.2



#53
m,p-Xylene
Concen: 50.834 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015163.D
Acq: 26 Mar 2020 02:59

Tgt Ion: 106 Resp: 417907
Ion Ratio Lower Upper
106 100
91 206.6 143.3 266.1





#54

o-xylene

Concen: 52.499 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

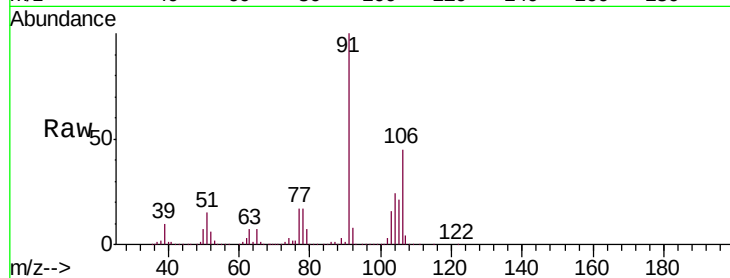
VSTD05074

Tgt Ion:106 Resp: 421307

Ion Ratio Lower Upper

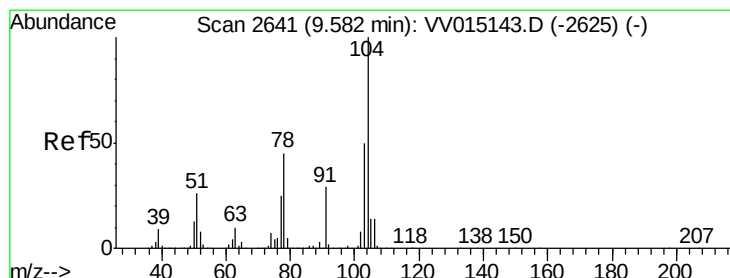
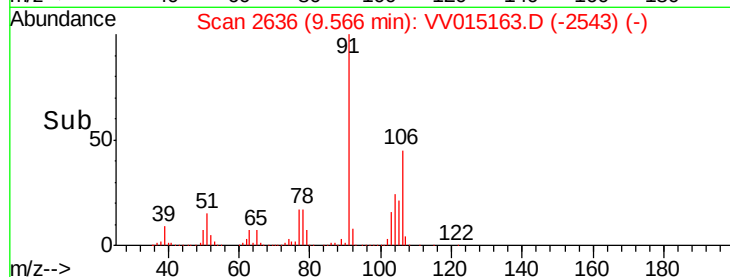
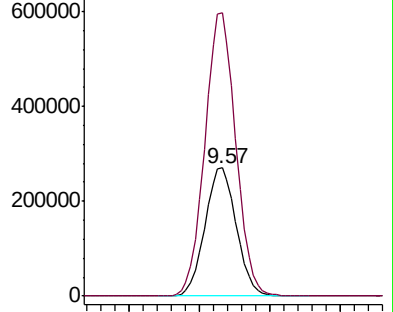
106 100

91 221.1 151.5 281.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.902 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015163.D

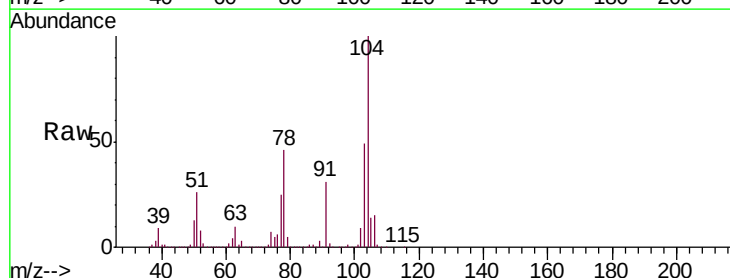
Acq: 26 Mar 2020 02:59

Tgt Ion:104 Resp: 724285

Ion Ratio Lower Upper

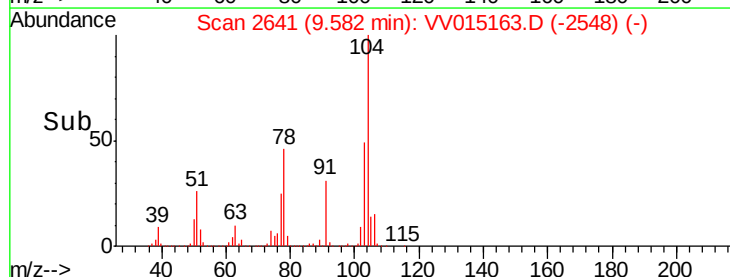
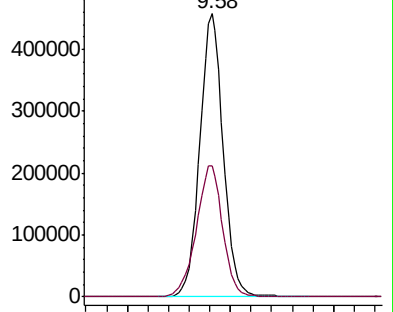
104 100

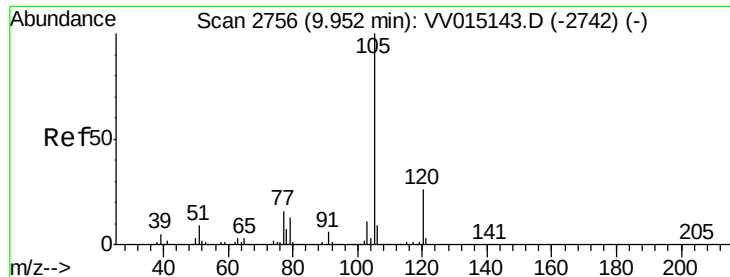
78 46.3 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.321 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

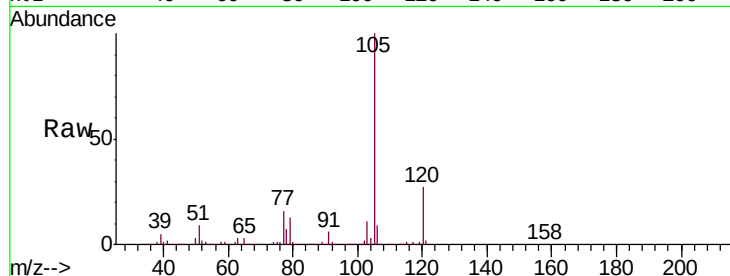
Tgt Ion: 105 Resp: 1093930

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

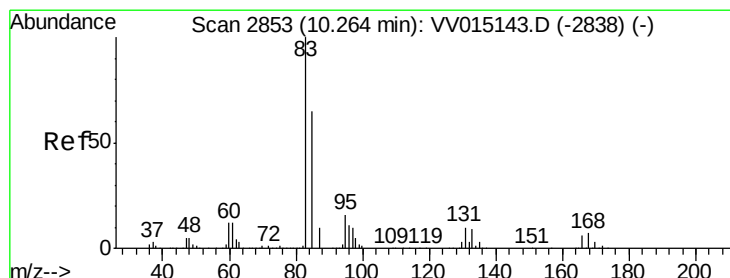
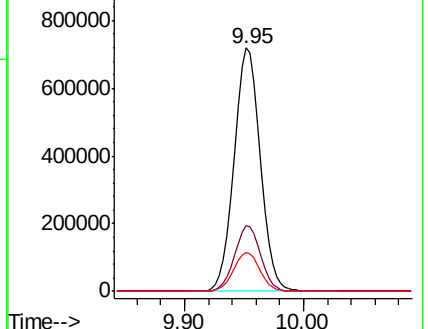
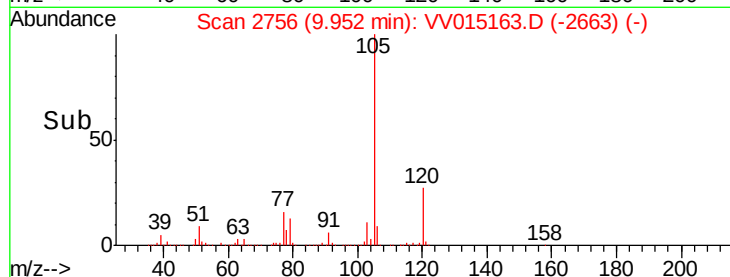
77 16.1 12.5 18.7



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: 53.360 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

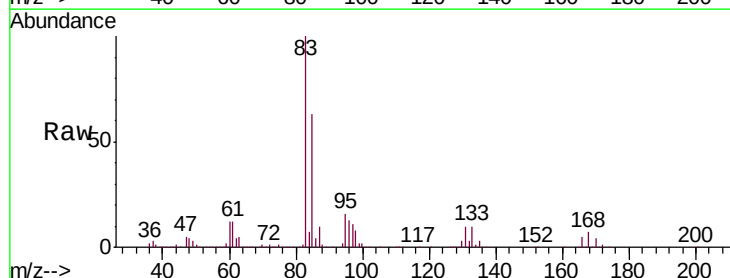
Tgt Ion: 83 Resp: 374591

Ion Ratio Lower Upper

83 100

85 63.5 45.8 85.2

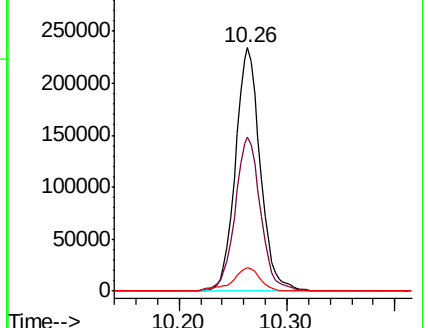
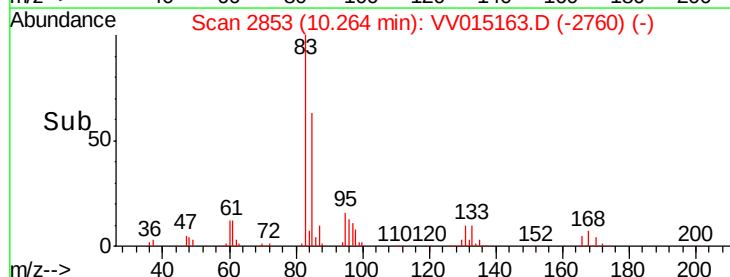
131 9.8 7.7 11.5

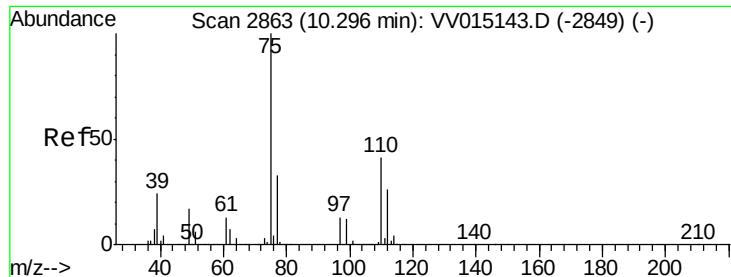


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.854 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

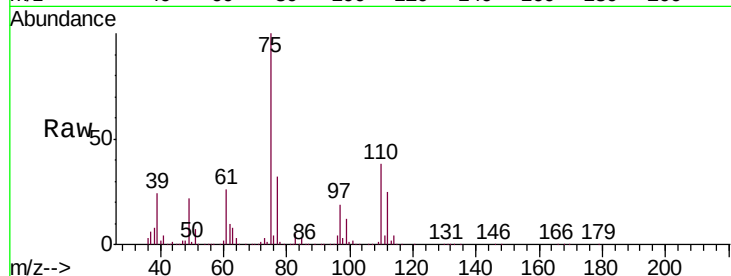
VSTD05074

Tgt Ion: 75 Resp: 309549

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV015143.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV015143.D (-2849) (-)

10.30

200000

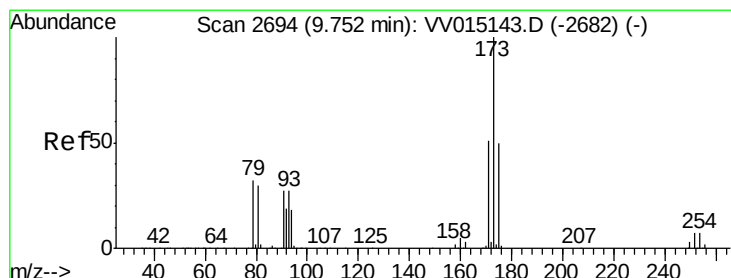
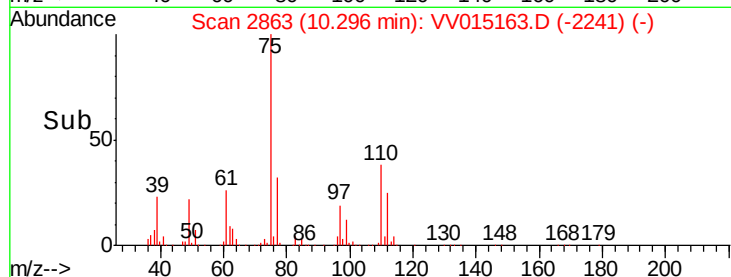
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 50.078 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

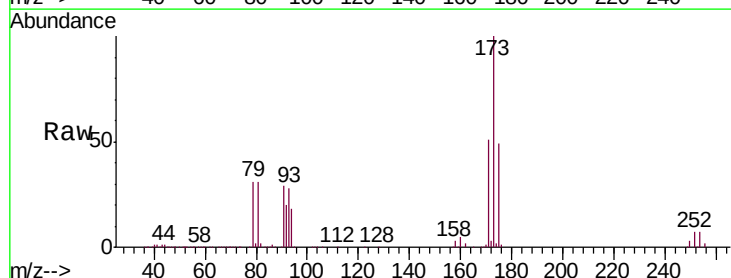
Tgt Ion: 173 Resp: 160401

Ion Ratio Lower Upper

173 100

175 48.5 37.8 56.8

254 6.7 6.1 9.1



Abundance Ion 173.00 (172.70 to 173.70): VV015143.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015143.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015143.D (-2682) (-)

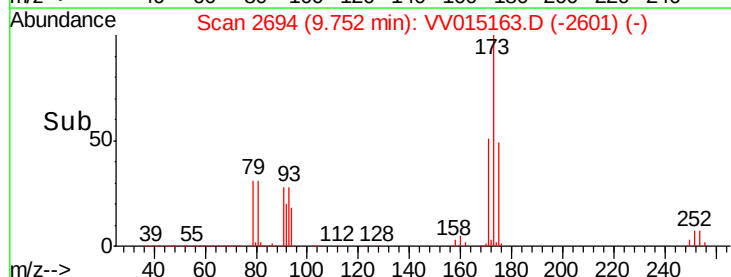
9.75

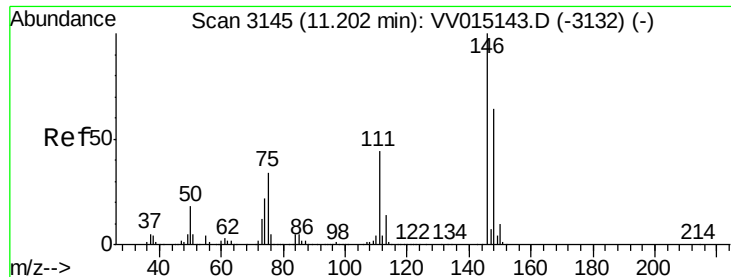
100000

50000

0

Time-->

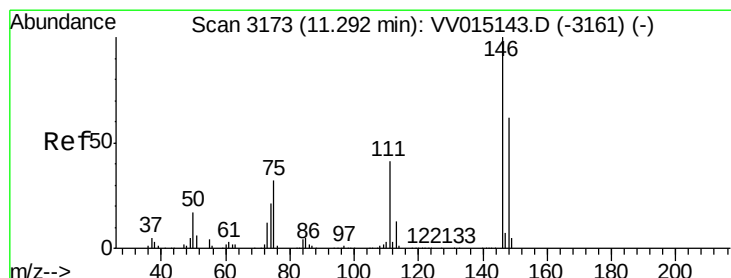
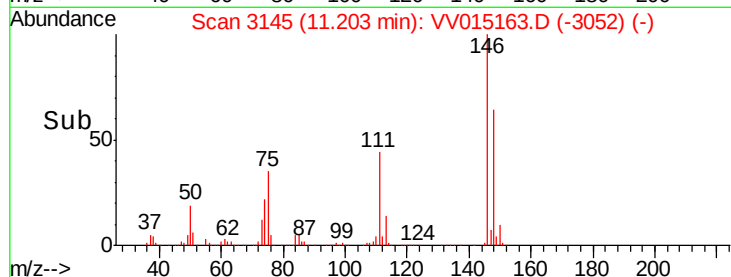
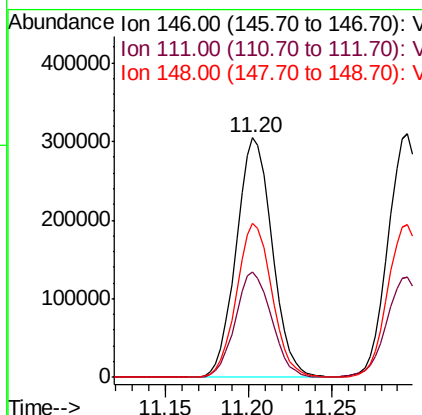
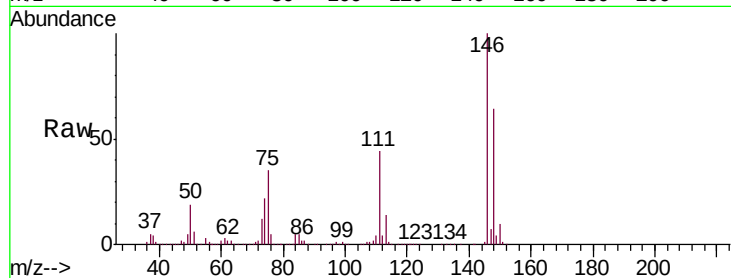




#62
 1,3-Dichlorobenzene
 Concen: 51.051 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

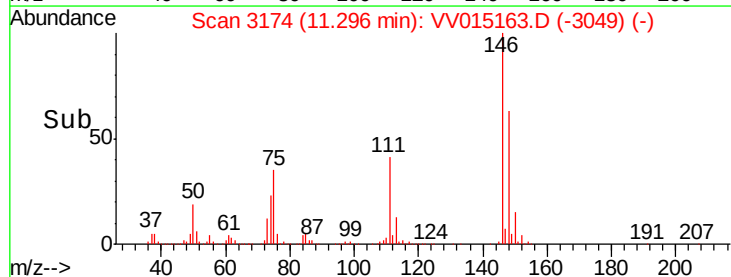
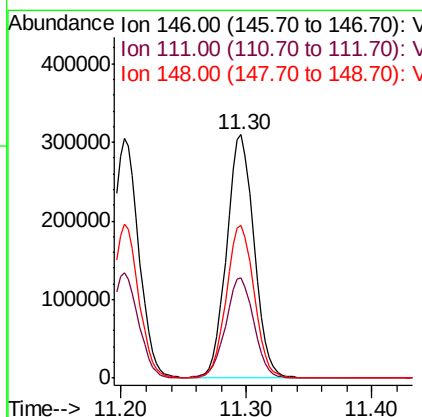
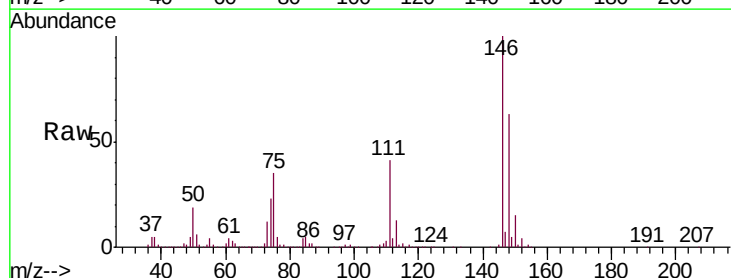
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05074

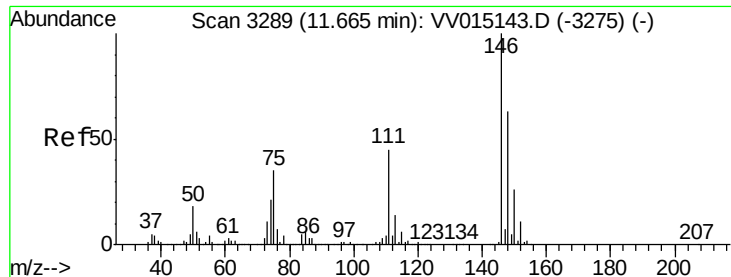
Tgt Ion:146 Resp: 460178
 Ion Ratio Lower Upper
 146 100
 111 44.2 29.3 54.5
 148 64.4 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 51.051 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

Tgt Ion:146 Resp: 468822
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.4 52.8
 148 63.0 44.0 81.8

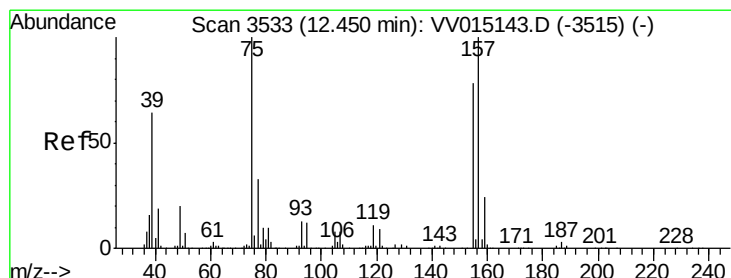
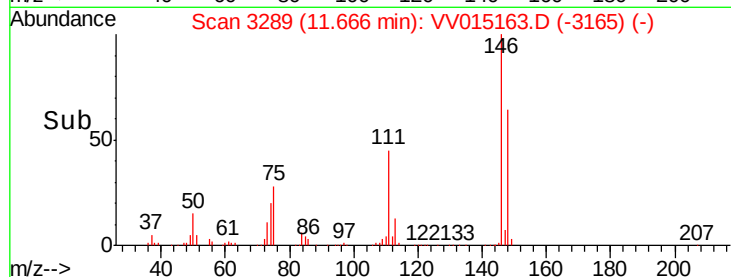
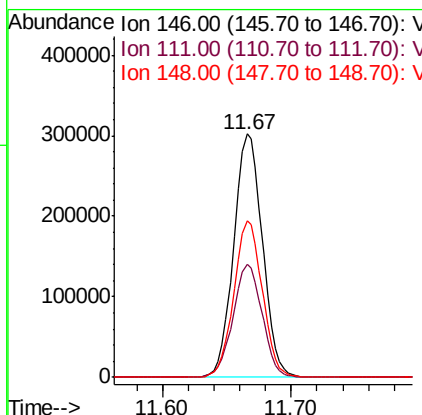
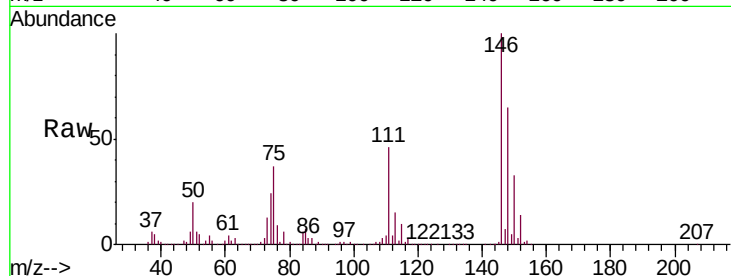




#65
 1,2-Dichlorobenzene
 Concen: 51.475 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

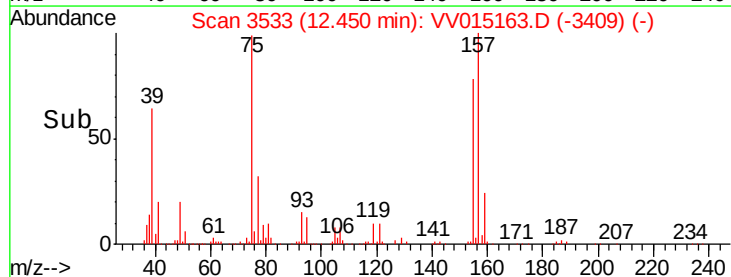
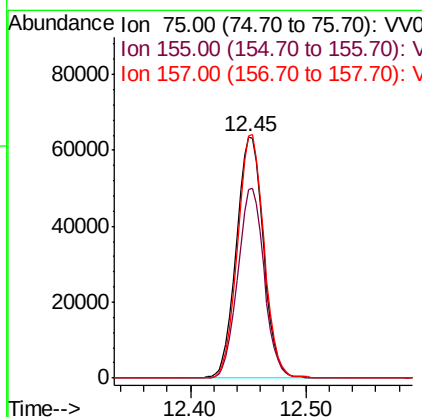
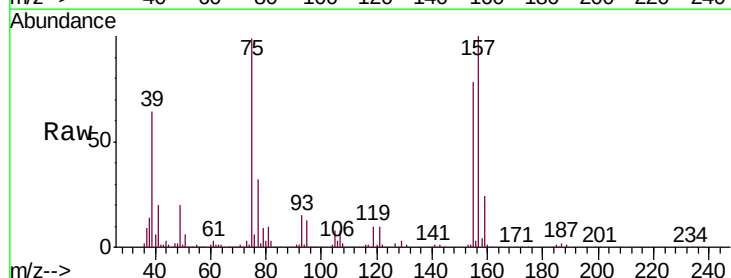
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

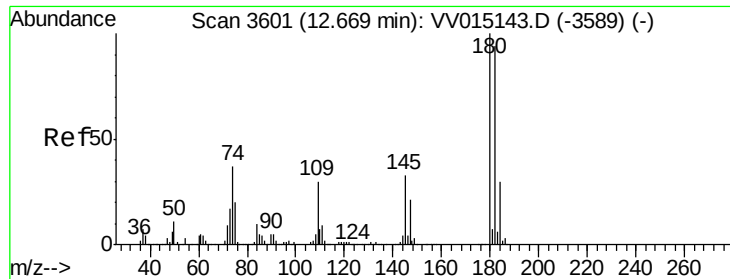
Tgt Ion: 146 Resp: 468138
 Ion Ratio Lower Upper
 146 100
 111 46.2 35.4 53.2
 148 64.5 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.722 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

Tgt Ion: 75 Resp: 102156
 Ion Ratio Lower Upper
 75 100
 155 78.0 66.2 99.4
 157 100.7 81.1 121.7

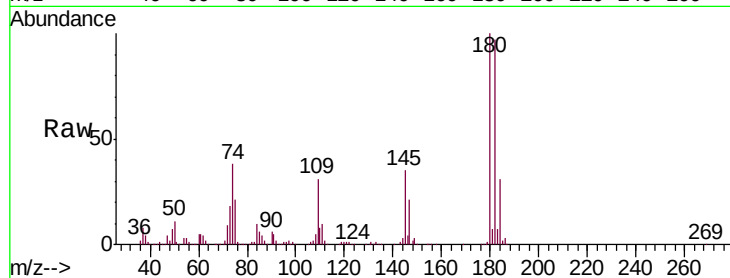




#67
 1,3,5-Trichlorobenzene
 Concen: 47.425 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	30.5	24.4	36.6
145	34.8	26.7	40.1



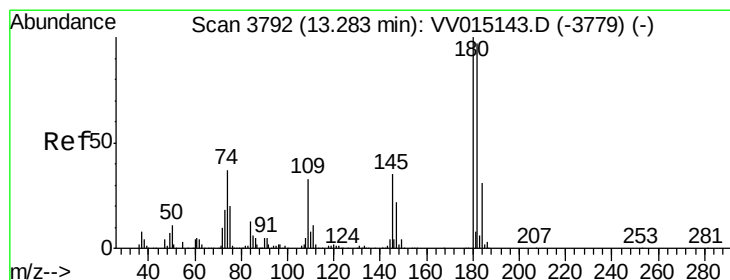
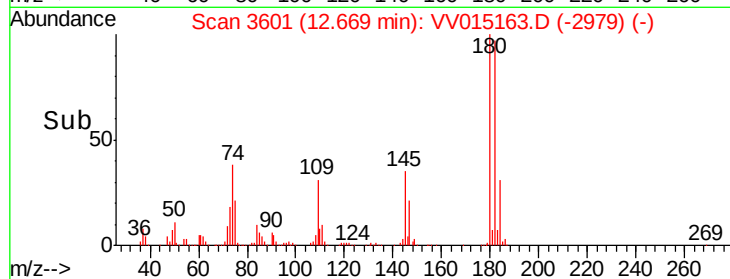
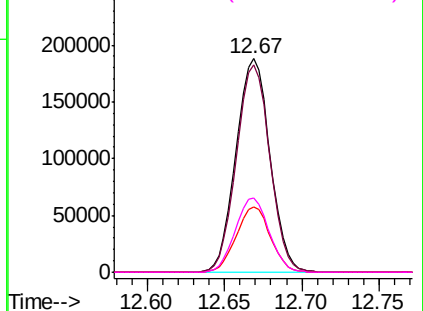
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

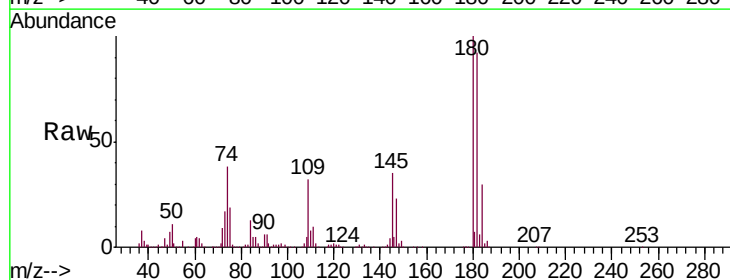
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.214 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015163.D
 Acq: 26 Mar 2020 02:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.1	114.1
145	35.8	26.6	40.0

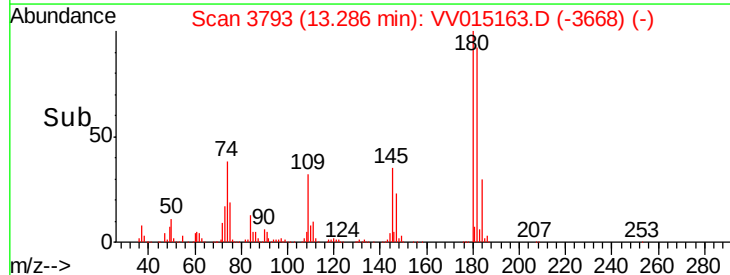
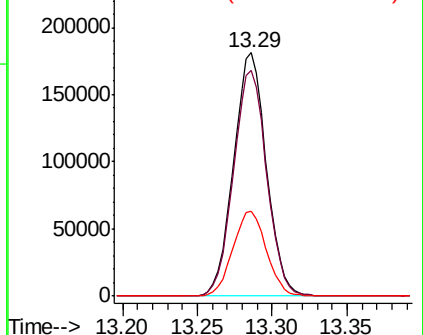


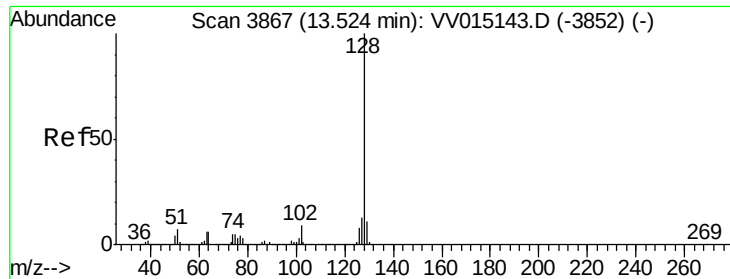
Abundance

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: 52.020 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

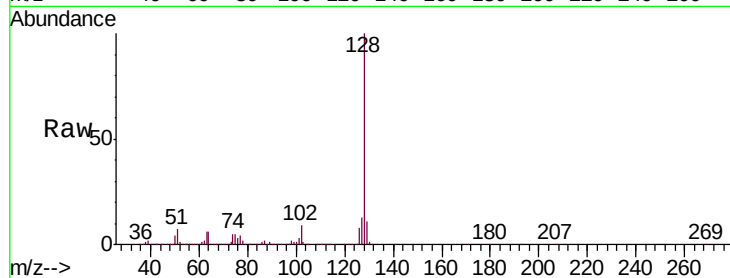
Tgt Ion:128 Resp: 1138189

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

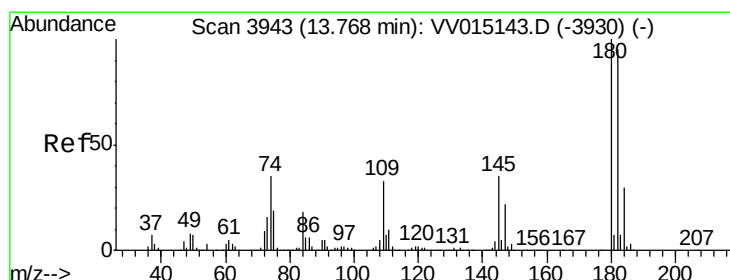
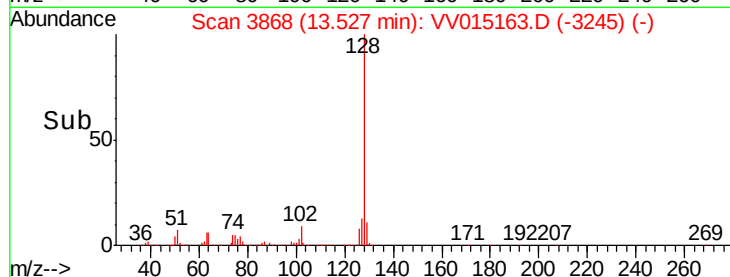
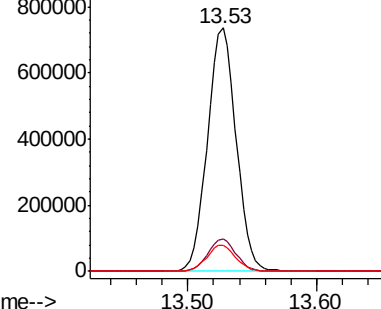
129 10.6 8.6 12.8



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: 49.830 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015163.D

Acq: 26 Mar 2020 02:59

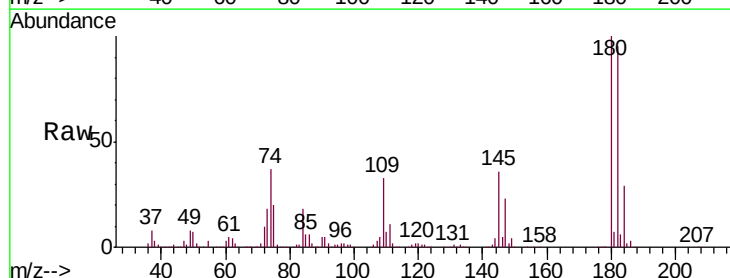
Tgt Ion:180 Resp: 283217

Ion Ratio Lower Upper

180 100

182 95.5 76.3 114.5

145 37.2 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

