

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
 Data File : VV019765.D
 Acq On : 20 Dec 2020 03:36
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Quant Time: Dec 21 06:27:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 06:23:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	742858	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	704221	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	338032	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	229664	43.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.22%
7) Chloroethane-d5	1.57	69	188592	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.78%
11) 1,1-Dichloroethene-d2	2.11	63	454614	45.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.96%
21) 2-Butanone-d5	3.89	46	363830	125.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.66%
24) Chloroform-d	4.35	84	452731	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
26) 1,2-Dichloroethane-d4	5.04	65	304456	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
32) Benzene-d6	5.05	84	877760	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
36) 1,2-Dichloropropane-d6	6.07	67	282143	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.90%
41) Toluene-d8	7.32	98	779402	46.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.18%
43) trans-1,3-Dichloropropene-	7.62	79	135079	40.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.72%
47) 2-Hexanone-d5	8.09	63	247043	106.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.99%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	374433	47.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.10%
64) 1,2-Dichlorobenzene-d4	11.63	152	290945	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	249279	41.581	ug/L 100
3) Chloromethane	1.24	50	287673	45.144	ug/L 100
5) Vinyl chloride	1.31	62	286601	44.839	ug/L 99
6) Bromomethane	1.52	94	167034	43.515	ug/L 99
8) Chloroethane	1.59	64	177261	45.978	ug/L 100
9) Trichlorofluoromethane	1.76	101	352799	45.177	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	195613	45.358	ug/L 98
12) 1,1-Dichloroethene	2.12	96	197831	44.702	ug/L # 78
13) Acetone	2.18	43	253510	102.778	ug/L 100
14) Carbon disulfide	2.30	76	570141	39.208	ug/L 100
15) Methyl Acetate	2.43	43	279250	51.963	ug/L 98
16) Methylene chloride	2.51	84	242534	46.742	ug/L 97
17) trans-1,2-Dichloroethene	2.76	96	217683	44.877	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	757245	44.676	ug/L 99
19) 1,1-Dichloroethane	3.19	63	446703	47.501	ug/L 98
20) cis-1,2-Dichloroethene	3.92	96	242907	45.554	ug/L # 98
22) 2-Butanone	3.97	43	394367	108.998	ug/L 96

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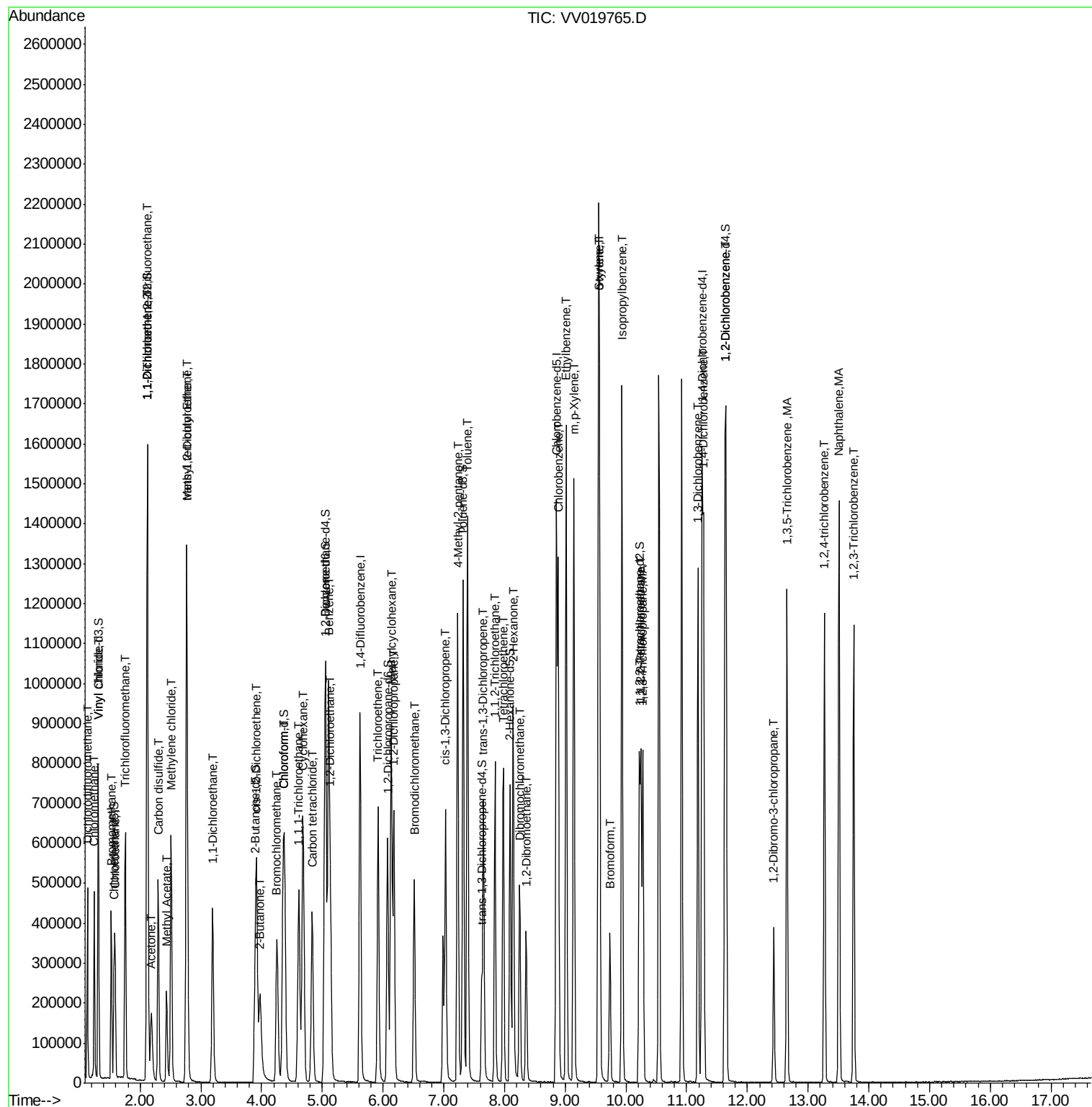
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	119912	45.704	ug/L	96
25) Chloroform	4.38	83	444146	47.289	ug/L	99
27) 1,2-Dichloroethane	5.14	62	367109	47.181	ug/L	100
29) Cyclohexane	4.68	56	378146	43.813	ug/L	97
30) 1,1,1-Trichloroethane	4.61	97	383211	43.398	ug/L	98
31) Carbon tetrachloride	4.83	117	311812	41.831	ug/L	99
33) Benzene	5.10	78	942246	45.781	ug/L	100
34) Trichloroethene	5.92	95	246199	45.284	ug/L	97
35) Methylcyclohexane	6.14	83	353251	42.769	ug/L	98
37) 1,2-Dichloropropane	6.18	63	255643	47.563	ug/L	100
38) Bromodichloromethane	6.51	83	329597	43.854	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	383789	42.993	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	781386	100.768	ug/L	97
42) Toluene	7.39	91	978553	45.111	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	371057	41.051	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	234027	45.851	ug/L	99
46) Tetrachloroethene	7.98	164	158691	42.182	ug/L	99
48) 2-Hexanone	8.14	43	600487	102.057	ug/L	97
49) Dibromochloromethane	8.25	129	236127	42.244	ug/L	97
50) 1,2-Dibromoethane	8.36	107	243490	45.302	ug/L	98
51) Chlorobenzene	8.88	112	619815	44.738	ug/L	99
52) Ethylbenzene	9.02	91	1107176	44.798	ug/L	99
53) m,p-Xylene	9.14	106	401294	43.462	ug/L	99
54) o-xylene	9.55	106	398734	44.058	ug/L	100
55) Styrene	9.56	104	705349	44.718	ug/L	100
56) Isopropylbenzene	9.94	105	1064458	44.149	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	381560	46.486	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	320071	47.876	ug/L	100
61) Bromoform	9.74	173	149638	40.007	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	463150	44.657	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	467298	44.496	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	466605	45.531	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	92935	43.444	ug/L	94
67) 1,3,5-Trichlorobenzene	12.65	180	330729	45.135	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	304021	44.374	ug/L	100
69) Naphthalene	13.51	128	1046722	43.999	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	299366	44.713	ug/L	100

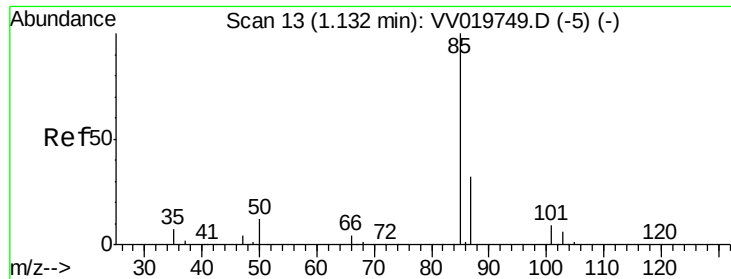
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 41.581 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

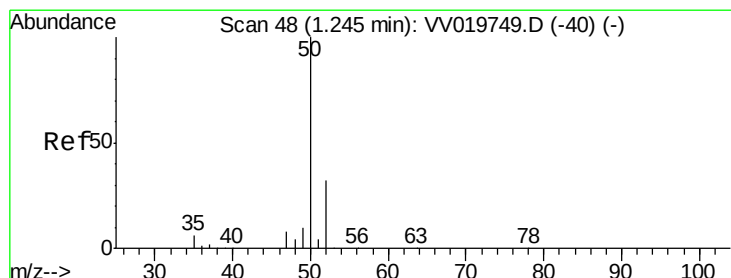
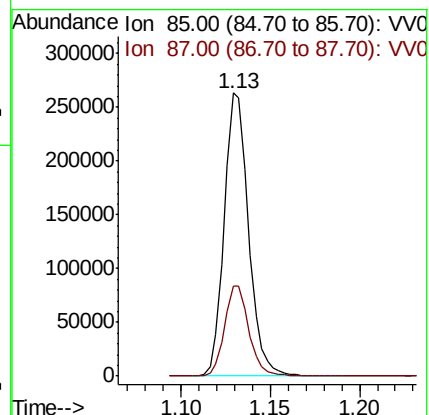
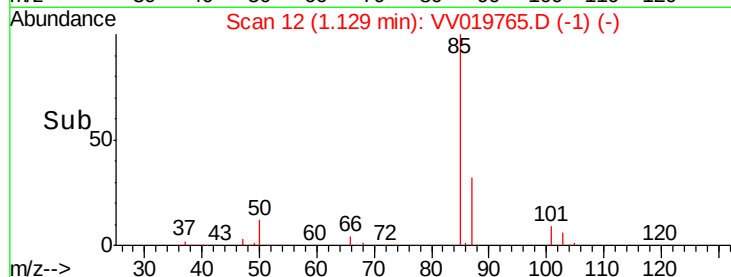
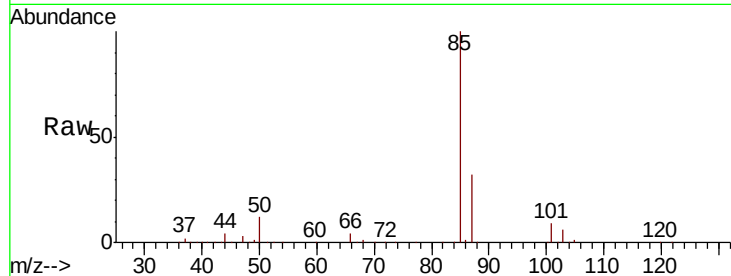
VSTD05099

Tot Ion: 85 Resp: 249279

Ion Ratio Lower Upper

85 100

87 32.0 25.7 38.5



#3

Chloromethane

Concen: 45.144 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019765.D

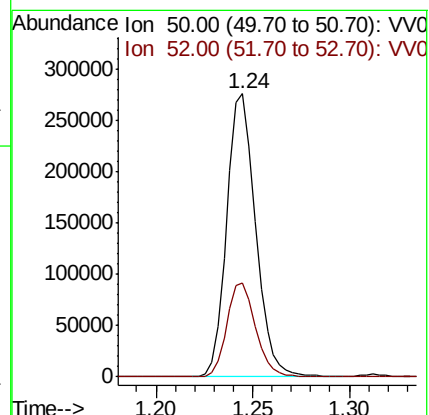
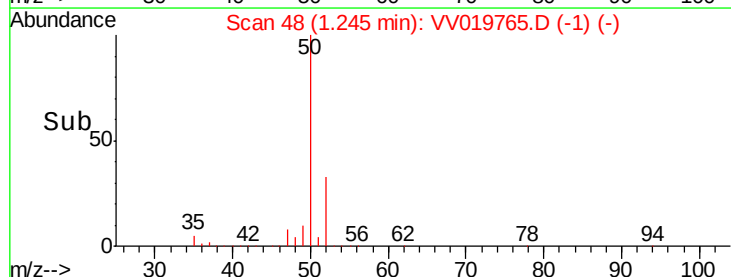
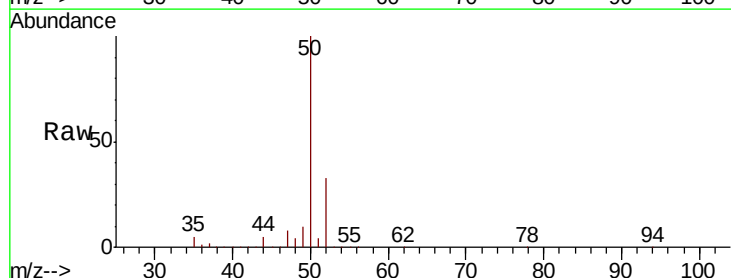
Acq: 20 Dec 2020 03:36

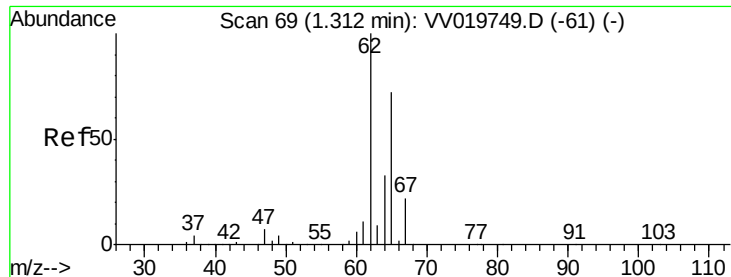
Tgt Ion: 50 Resp: 287673

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.0





#5

Vinyl chloride

Concen: 44.839 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

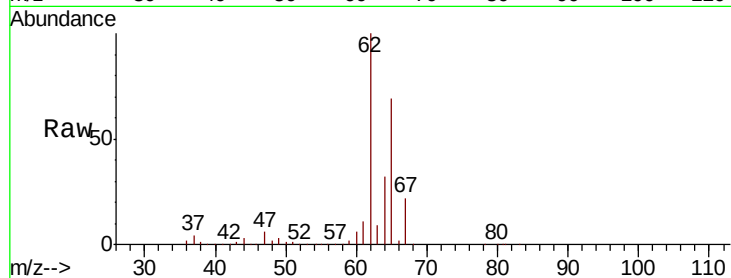
VSTD05099

Tot Ion: 62 Resp: 286601

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

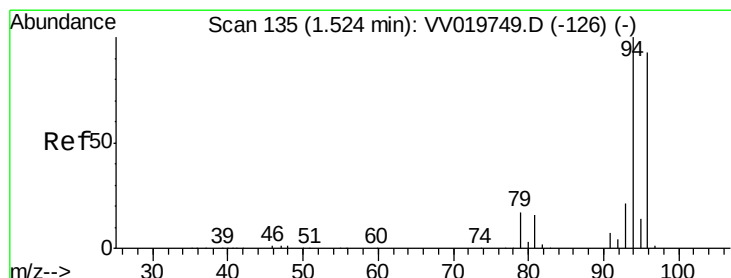
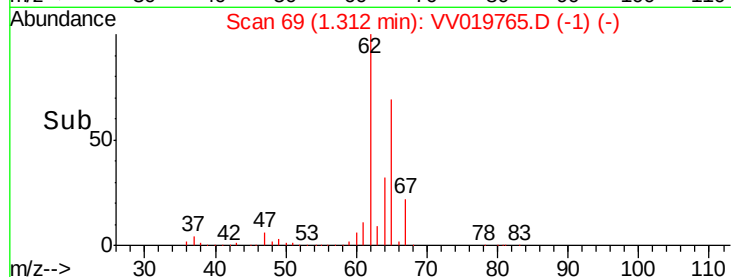
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 43.515 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019765.D

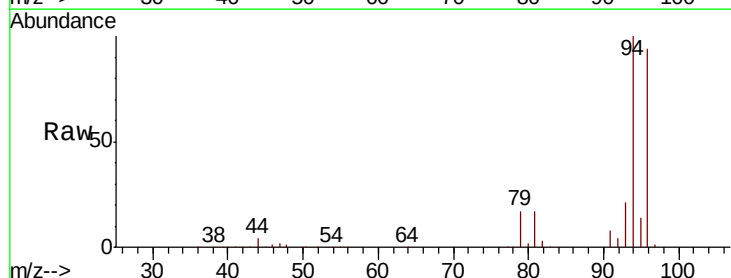
Acq: 20 Dec 2020 03:36

Tgt Ion: 94 Resp: 167034

Ion Ratio Lower Upper

94 100

96 94.4 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

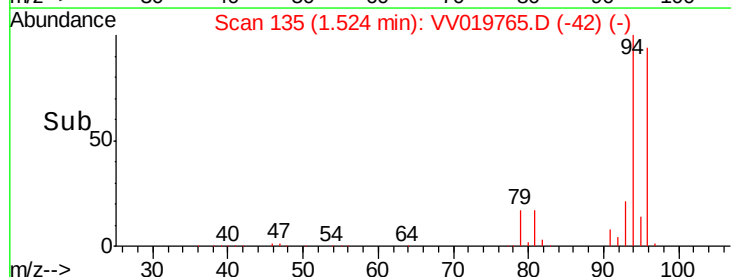
150000

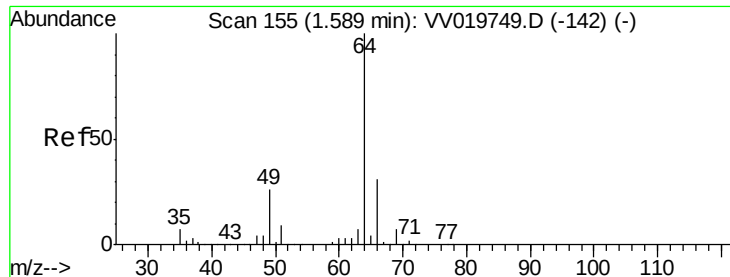
100000

50000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 45.978 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

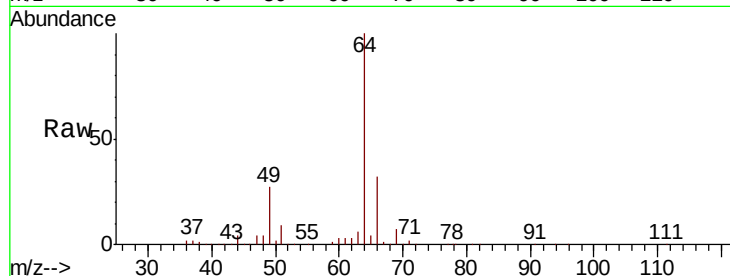
VSTD05099

Tot Ion: 64 Resp: 177261

Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019749.D (-142) (-)

Ion 66.00 (65.70 to 66.70): VV019749.D (-142) (-)

1.59

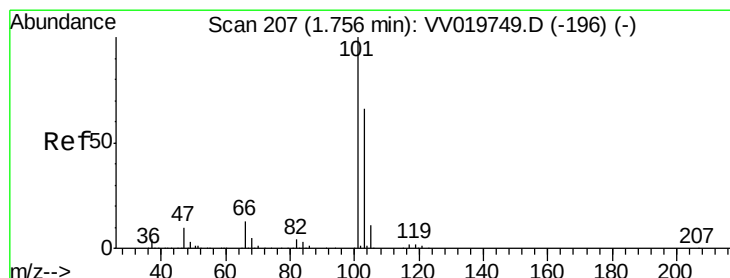
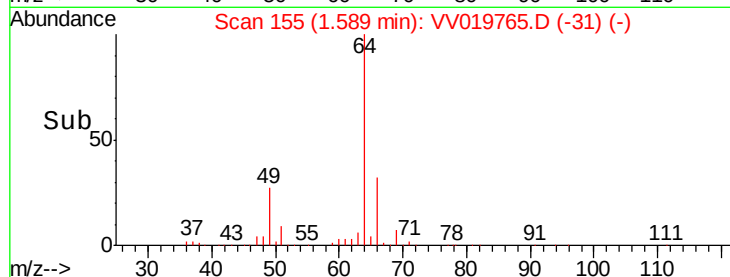
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 45.177 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV019765.D

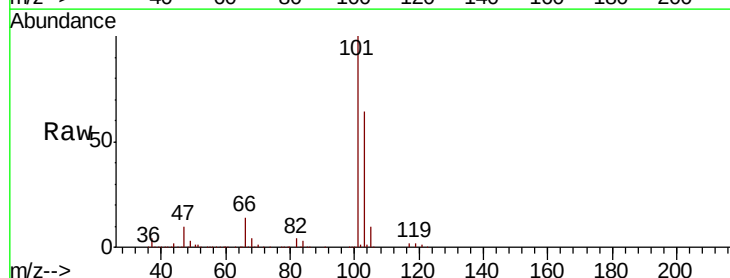
Acq: 20 Dec 2020 03:36

Tgt Ion:101 Resp: 352799

Ion Ratio Lower Upper

101 100

103 64.7 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019749.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019749.D (-196) (-)

1.76

300000

250000

200000

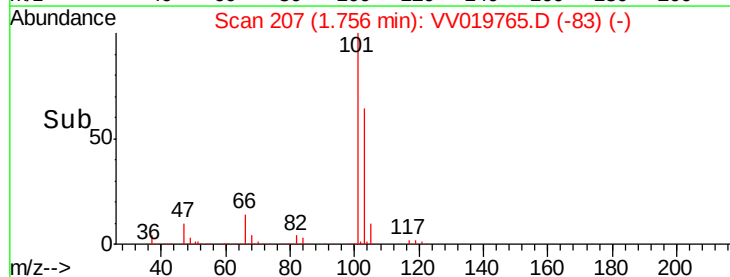
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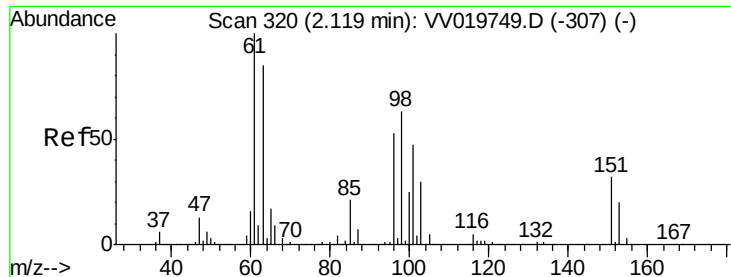
100000

50000

0

Time-->





#10

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

Concen: 45.358 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

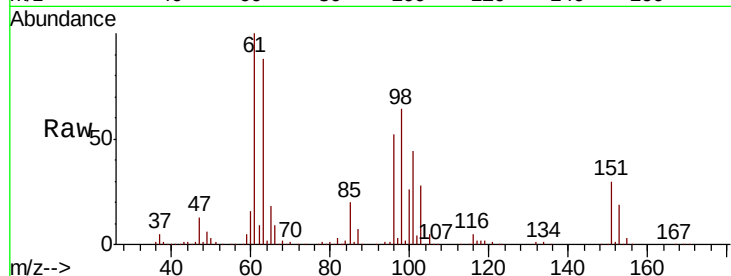
Tot Ion:101 Resp: 195613

Ion Ratio Lower Upper

101 100

85 44.6 35.0 52.4

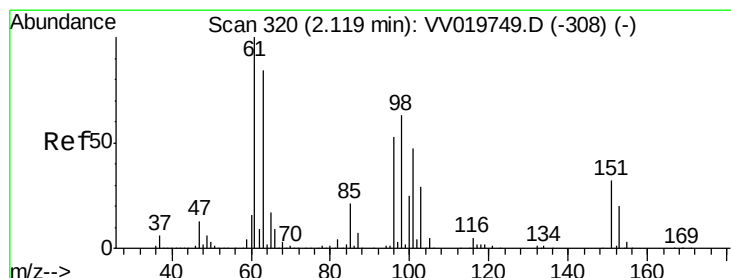
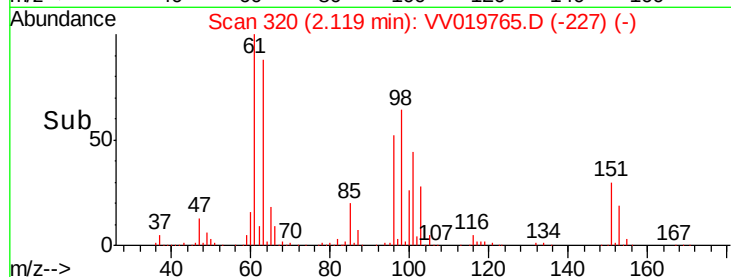
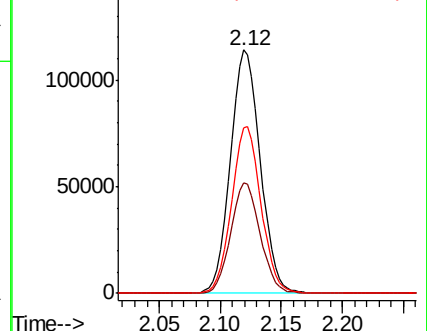
151 67.3 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019749.D (-307) (-)

Ion 85.00 (84.70 to 85.70): VV019749.D (-307) (-)

Ion 151.00 (150.70 to 151.70): VV019749.D (-307) (-)



#12

1,1-Dichloroethene

Concen: 44.702 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

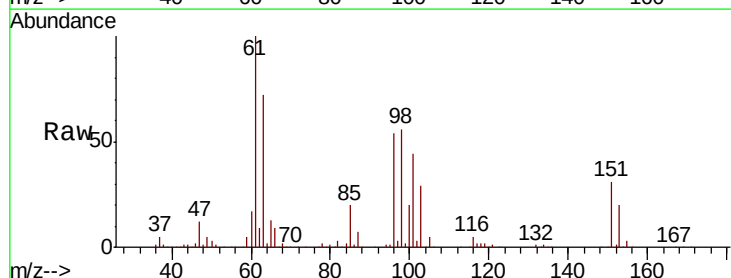
Tgt Ion: 96 Resp: 197831

Ion Ratio Lower Upper

96 100

61 186.0 120.7 224.1

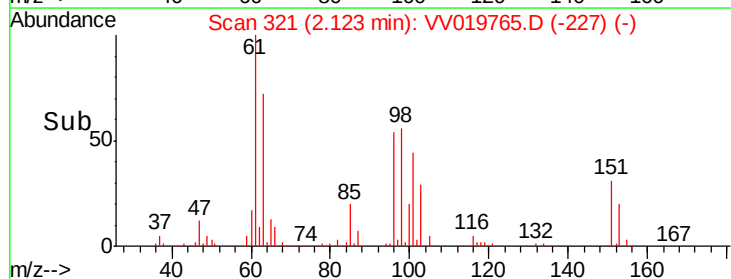
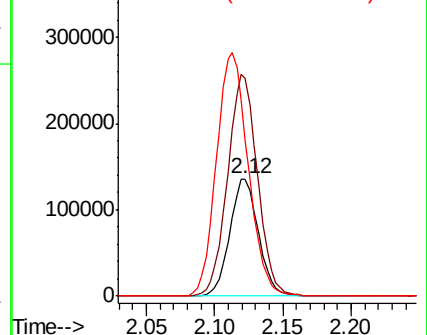
63 133.5 64.3 119.5#

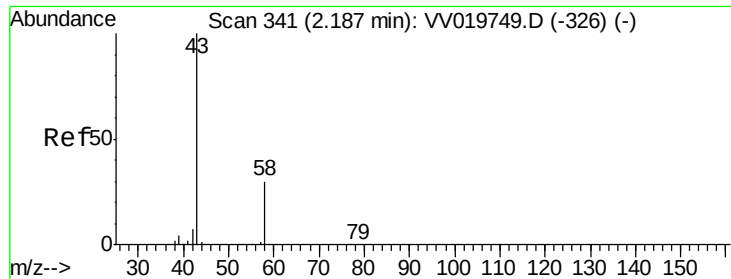


Abundance Ion 96.00 (95.70 to 96.70): VV019765.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019765.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019765.D (-227) (-)





#13

Acetone

Concen: 102.778 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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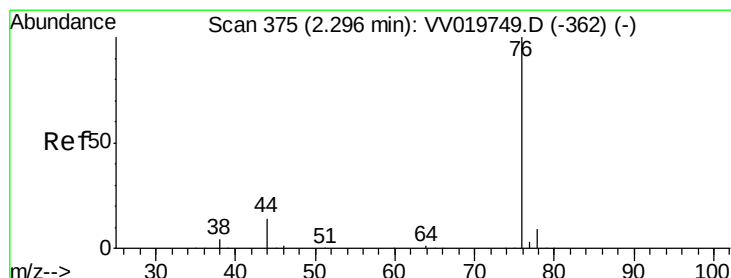
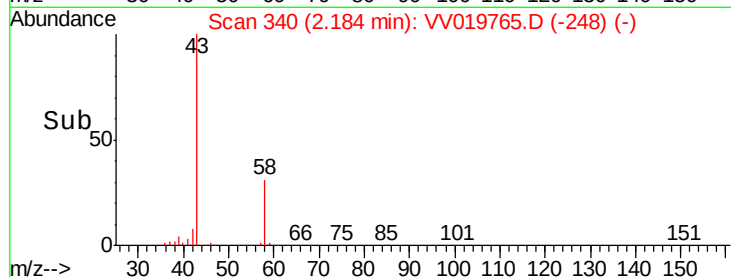
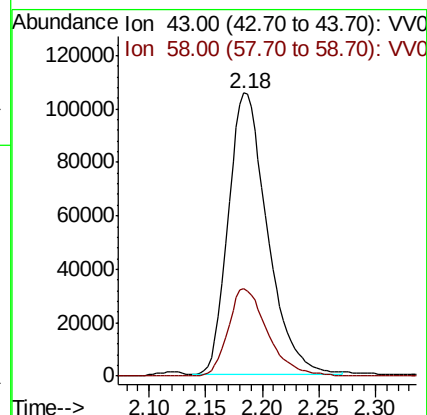
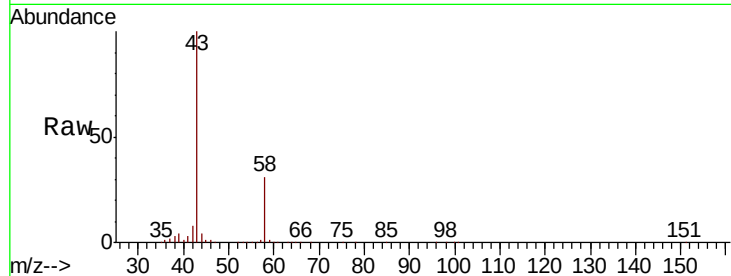
VSTD05099

Tot Ion: 43 Resp: 253510

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.6



#14

Carbon disulfide

Concen: 39.208 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019765.D

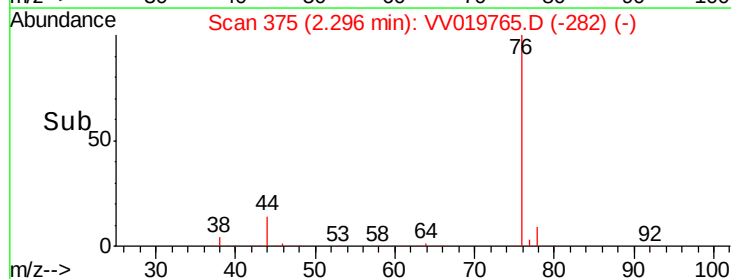
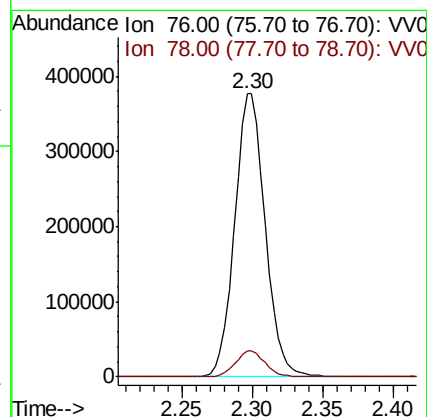
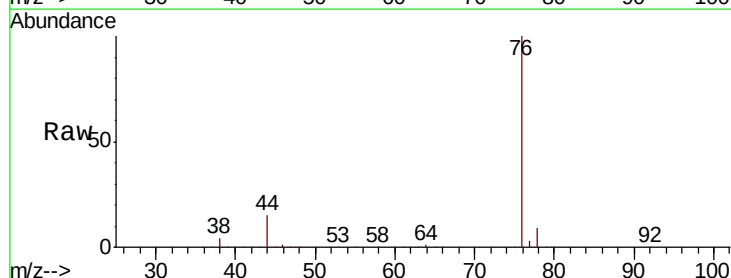
Acq: 20 Dec 2020 03:36

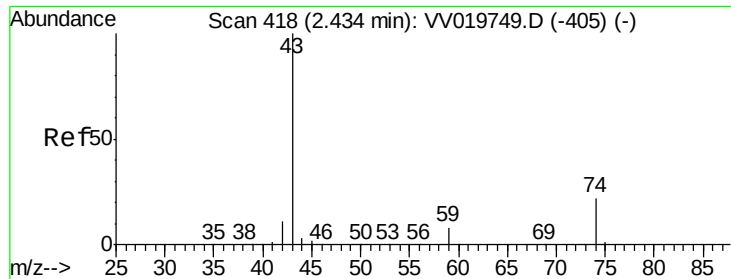
Tgt Ion: 76 Resp: 570141

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

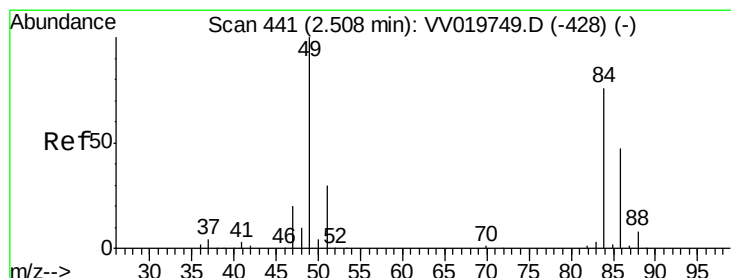
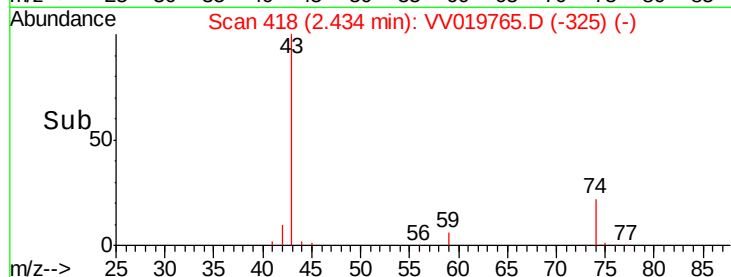
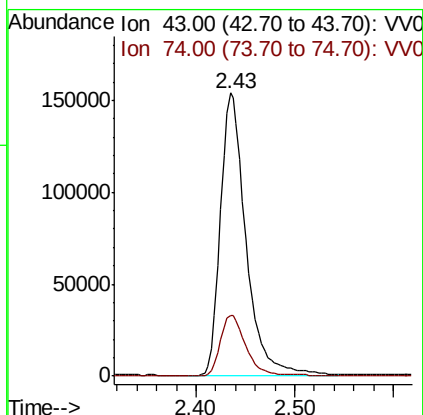
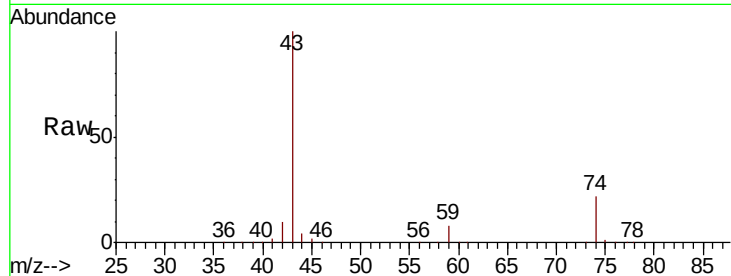




#15
Methvl Acetate
Concen: 51.963 ug/L
RT: 2.43 min Scan# 418
Delta R.T. 0.00 min
Lab File: VV019765.D
Acq: 20 Dec 2020 03:36

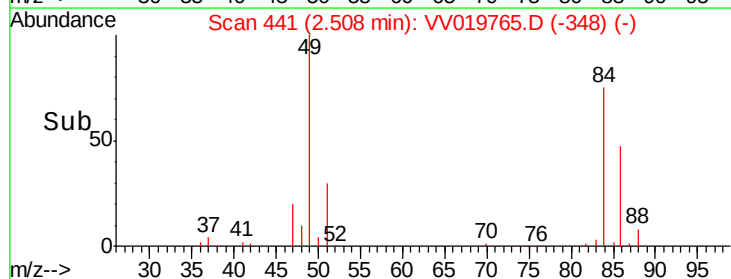
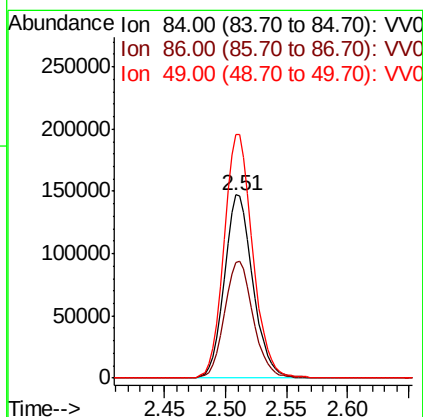
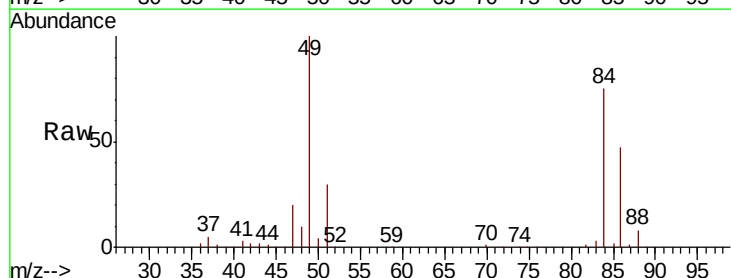
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

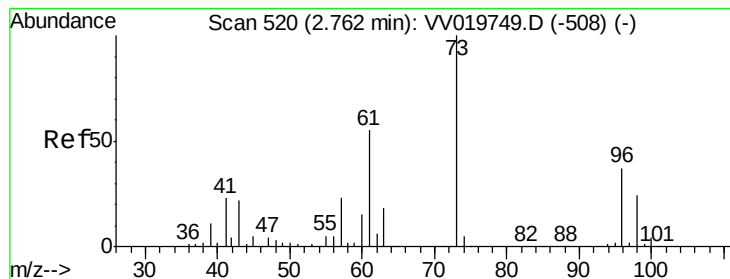
Tot Ion: 43 Resp: 279250
Ion Ratio Lower Upper
43 100
74 21.6 18.2 27.4



#16
Methylene chloride
Concen: 46.742 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019765.D
Acq: 20 Dec 2020 03:36

Tgt Ion: 84 Resp: 242534
Ion Ratio Lower Upper
84 100
86 62.9 45.7 84.9
49 132.9 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 44.877 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

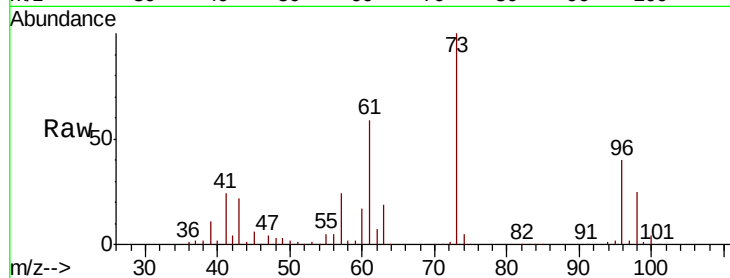
Tot Ion: 96 Resp: 217683

Ion Ratio Lower Upper

96 100

61 149.9 103.5 192.1

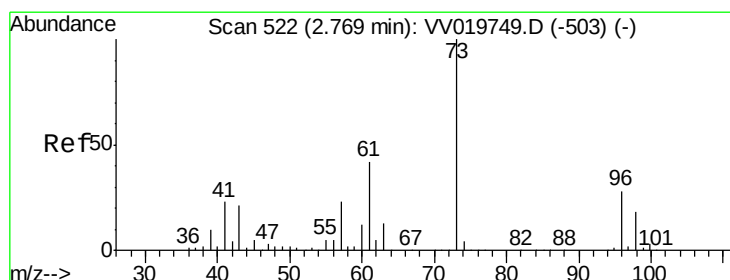
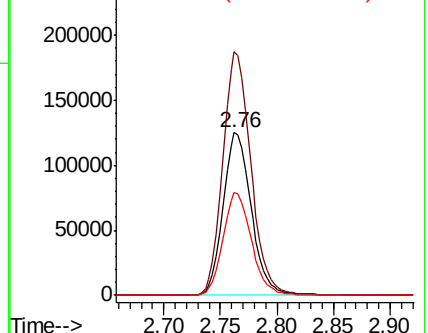
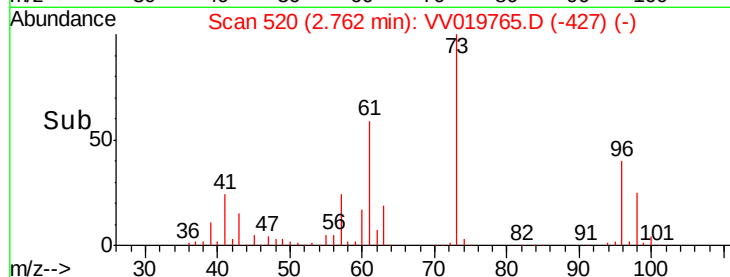
98 63.1 44.4 82.5



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: 44.676 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

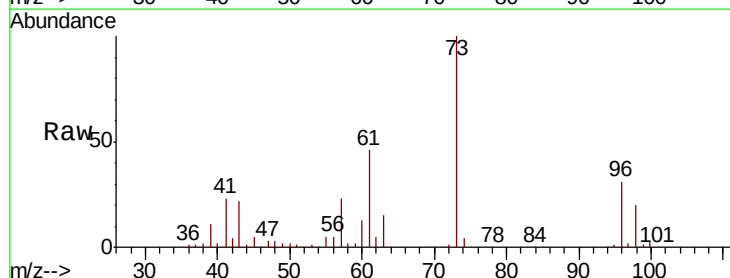
Tgt Ion: 73 Resp: 757245

Ion Ratio Lower Upper

73 100

43 21.5 17.3 25.9

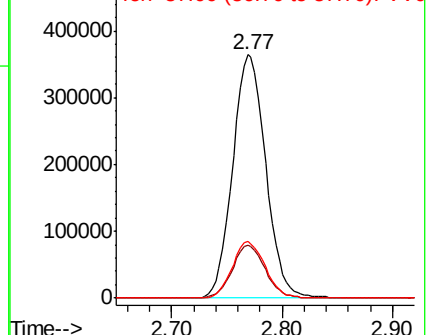
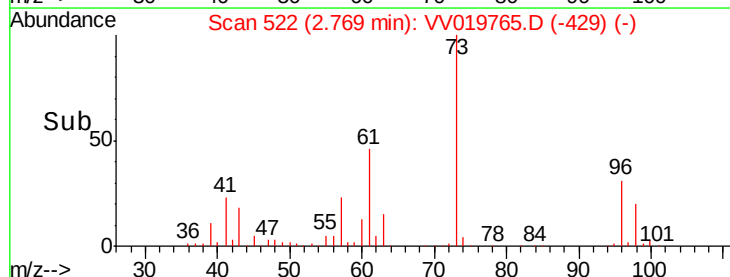
57 23.2 17.5 26.3

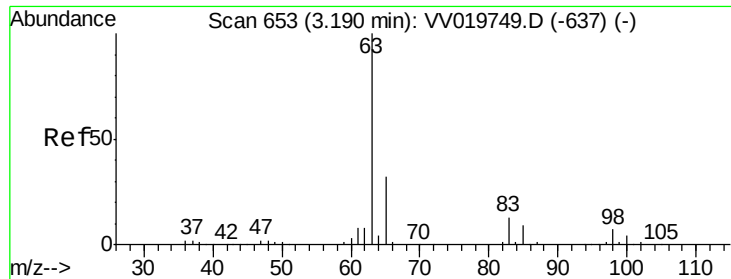


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

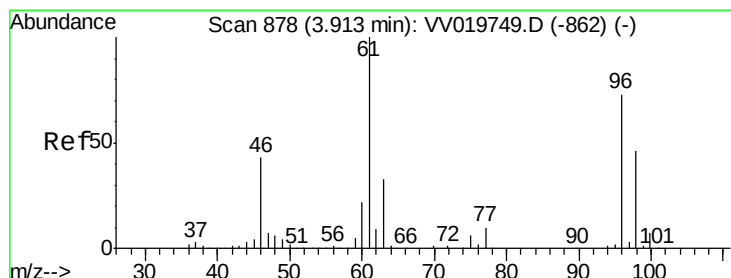
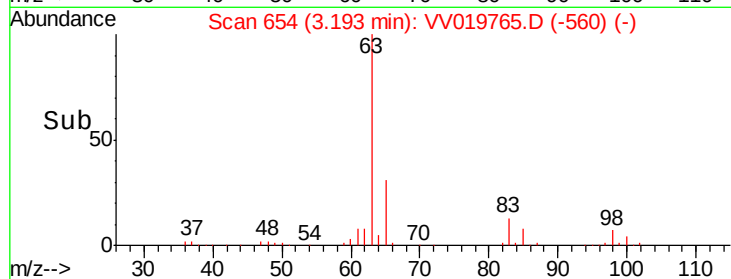
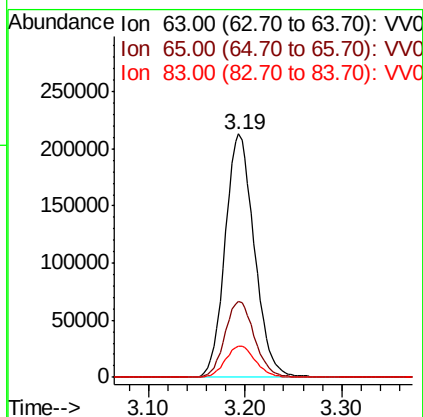
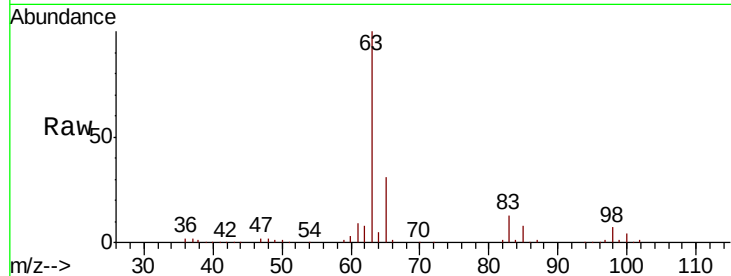




#19
 1,1-Dichloroethane
 Concen: 47.501 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

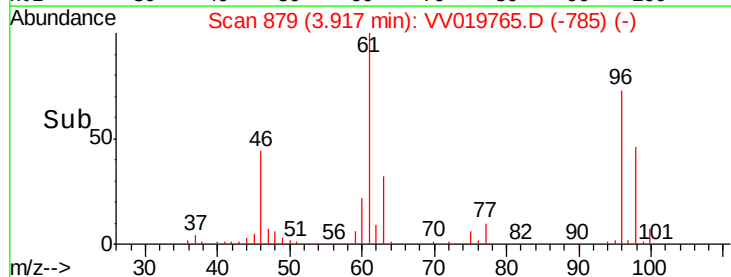
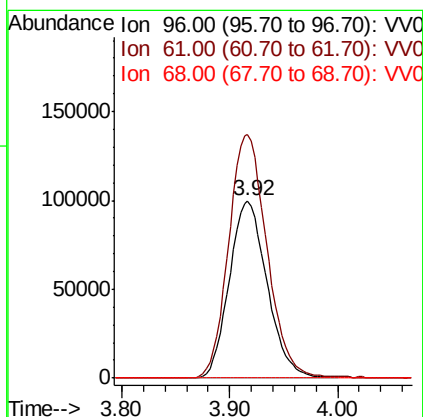
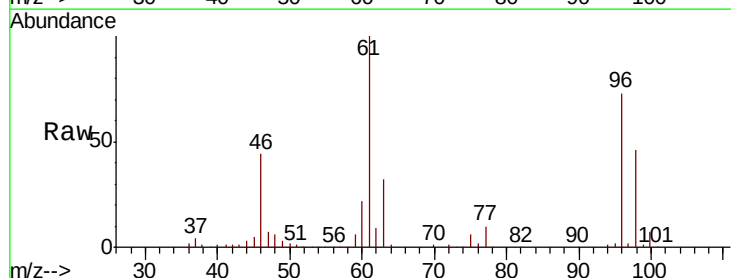
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05099

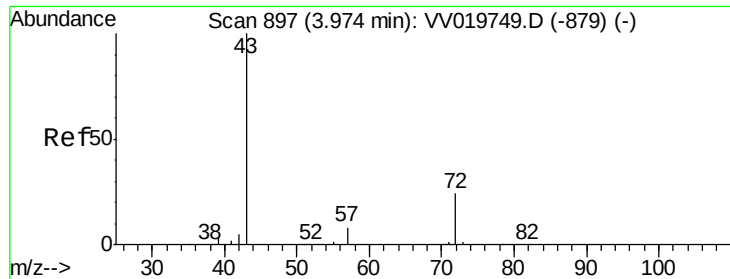
Tot Ion: 63 Resp: 446703
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.4 41.6
 83 12.8 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 45.554 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

Tgt Ion: 96 Resp: 242907
 Ion Ratio Lower Upper
 96 100
 61 137.4 94.1 174.8
 68 0.0 0.1 0.1#





#22

2-Butanone

Concen: 108.998 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

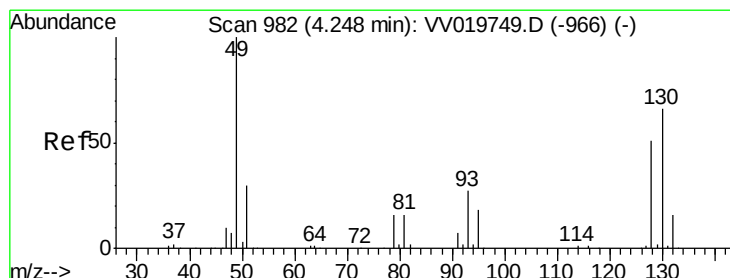
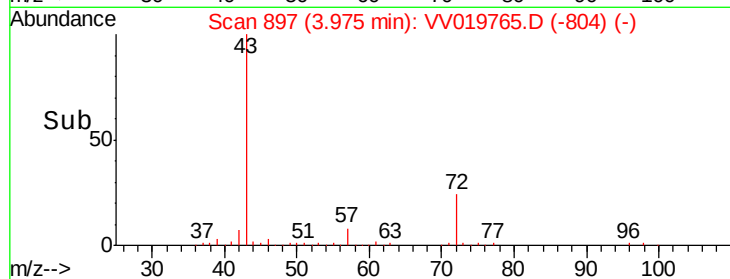
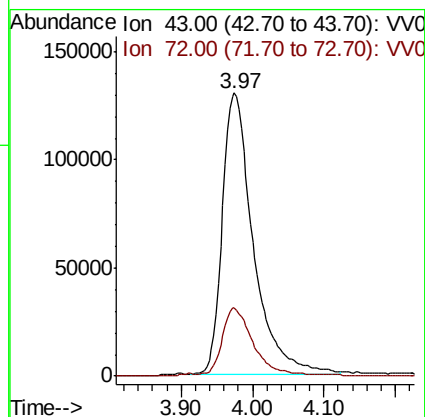
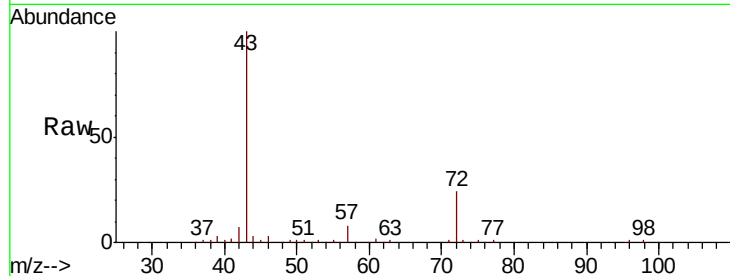
VSTD05099

Tot Ion: 43 Resp: 394367

Ion Ratio Lower Upper

43 100

72 22.7 12.3 36.9



#23

Bromochloromethane

Concen: 45.704 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Tgt Ion:128 Resp: 119912

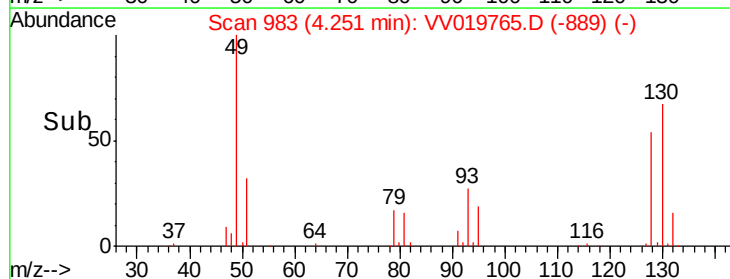
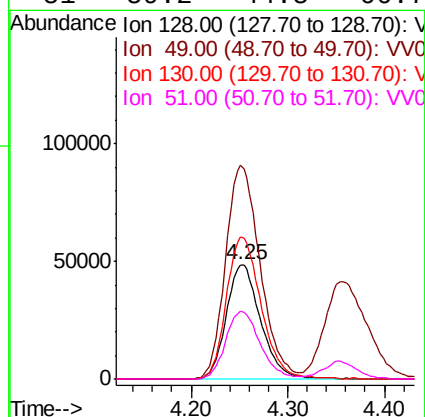
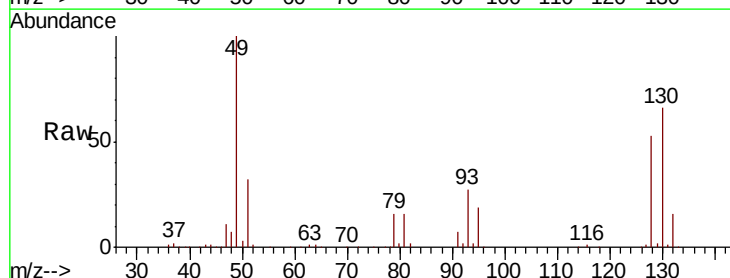
Ion Ratio Lower Upper

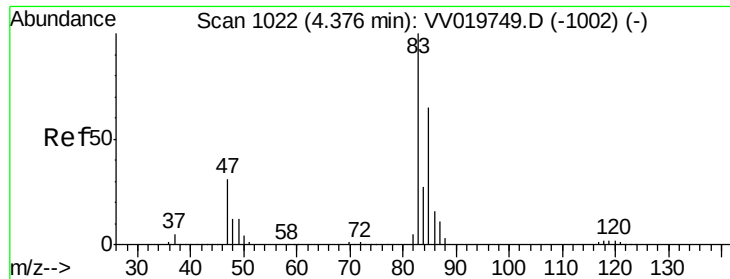
128 100

49 187.3 127.0 235.8

130 124.4 90.3 167.7

51 59.2 44.5 66.7

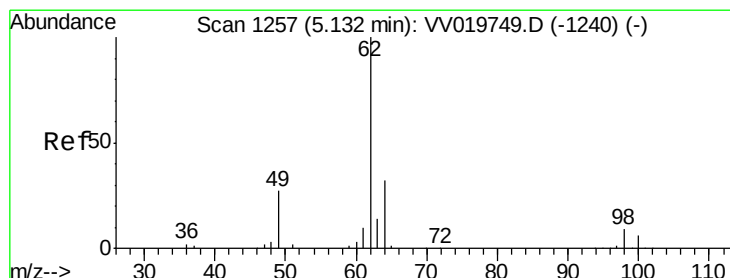
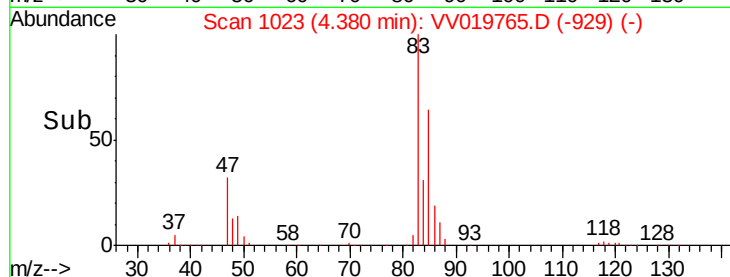
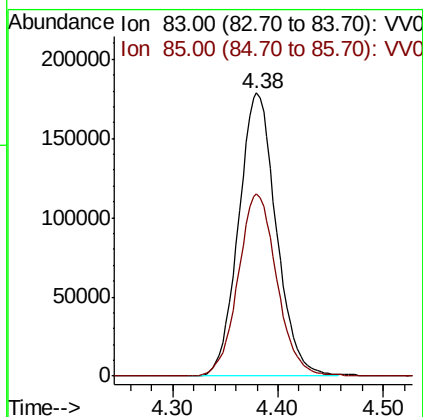
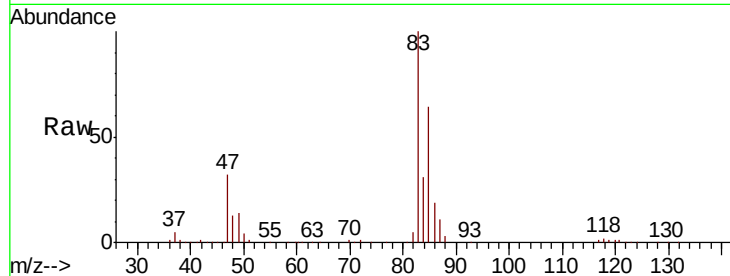




#25
Chloroform
Concen: 47.289 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019765.D
Acq: 20 Dec 2020 03:36

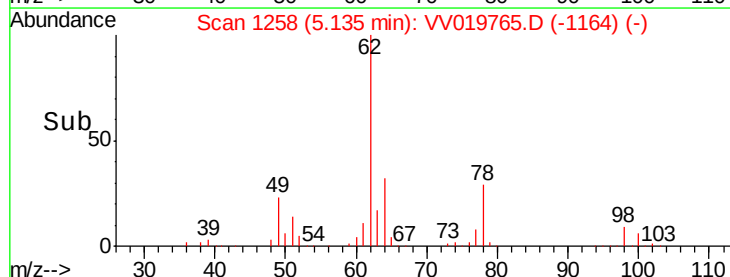
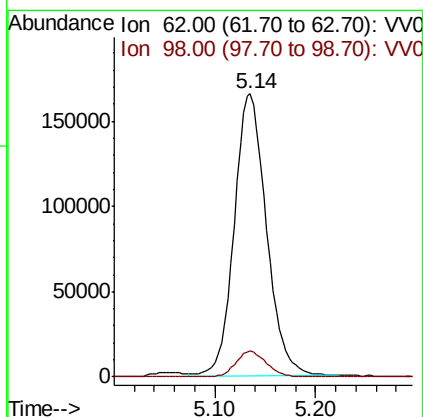
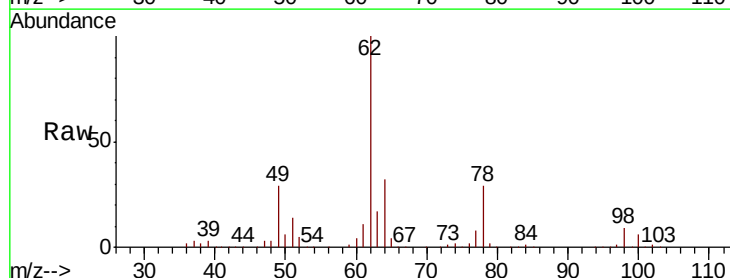
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

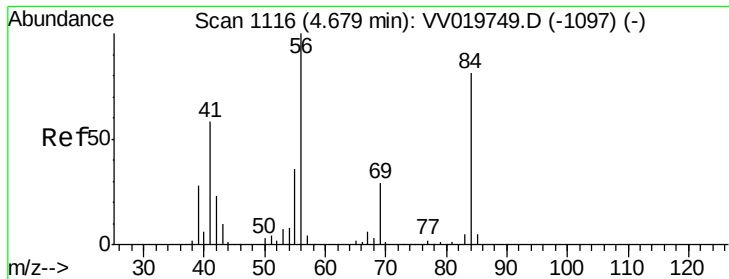
Tot Ion: 83 Resp: 444146
Ion Ratio Lower Upper
83 100
85 64.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 47.181 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VV019765.D
Acq: 20 Dec 2020 03:36

Tgt Ion: 62 Resp: 367109
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0

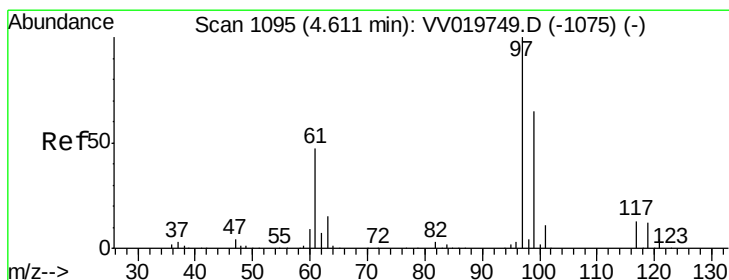
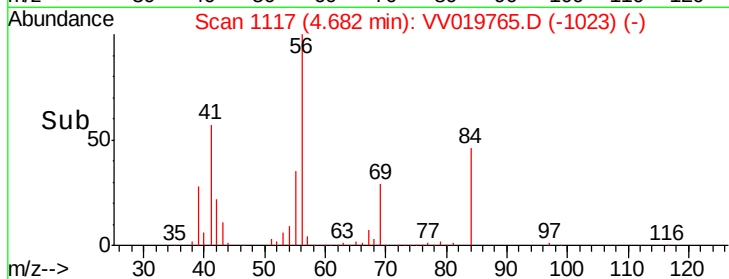
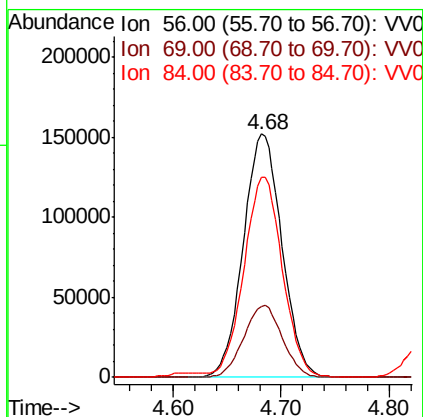
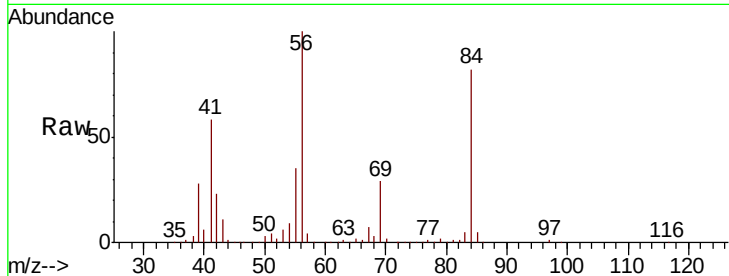




#29
Cyclohexane
Concen: 43.813 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VV019765.D
Acq: 20 Dec 2020 03:36

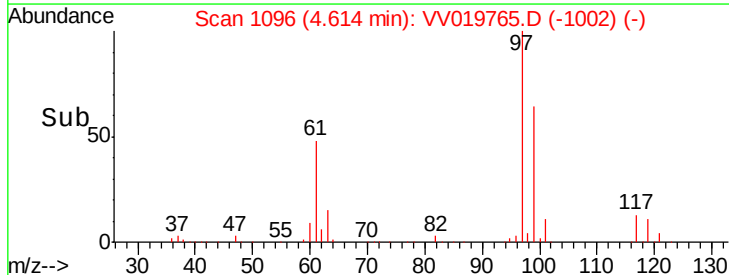
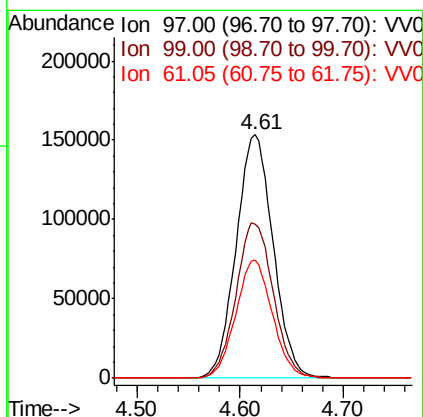
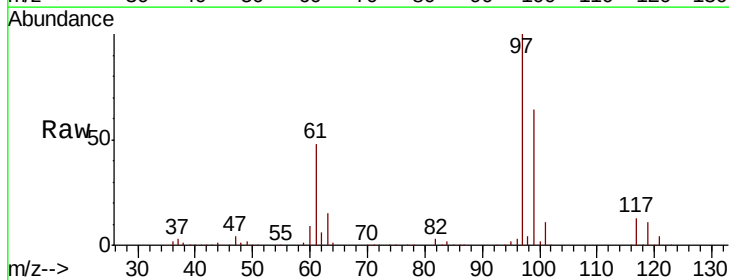
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

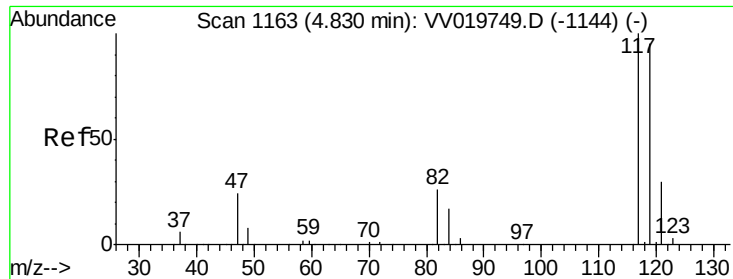
Tot Ion: 56 Resp: 378146
Ion Ratio Lower Upper
56 100
69 29.6 24.6 37.0
84 82.1 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 43.398 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VV019765.D
Acq: 20 Dec 2020 03:36

Tgt Ion: 97 Resp: 383211
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 48.0 36.3 54.5





#31

Carbon tetrachloride

Concen: 41.831 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

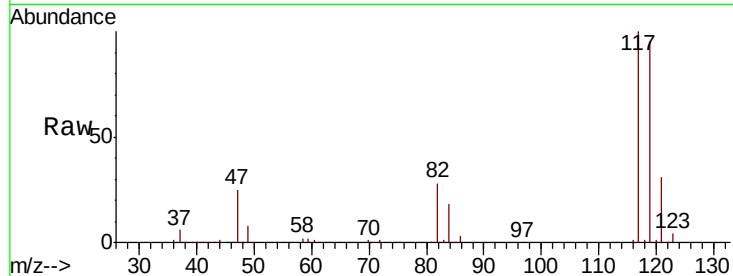
VSTD05099

Tot Ion:117 Resp: 311812

Ion Ratio Lower Upper

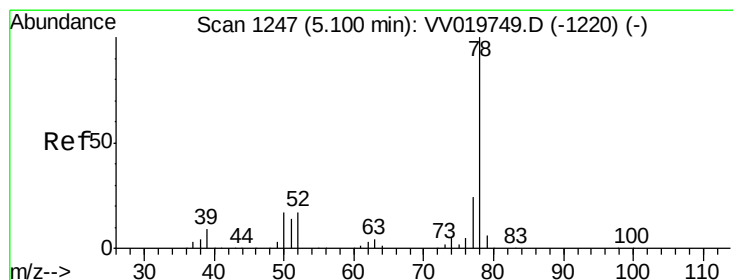
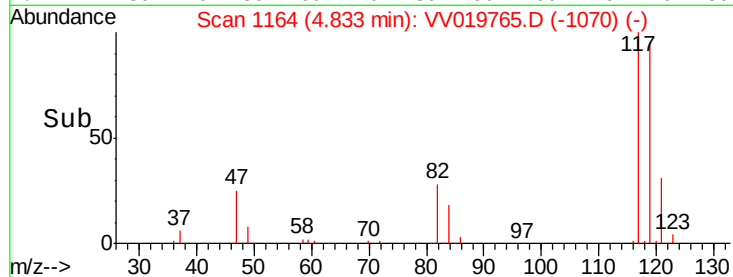
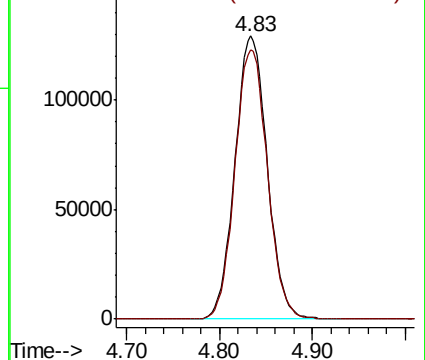
117 100

119 95.9 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 45.781 ug/L

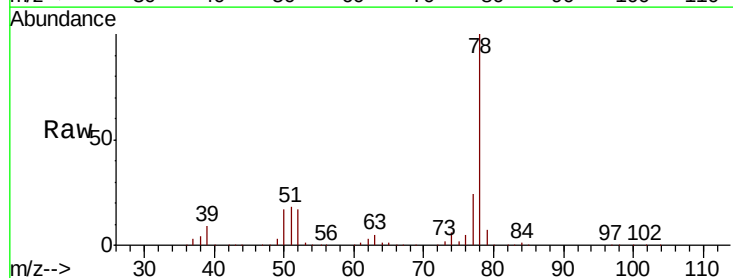
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

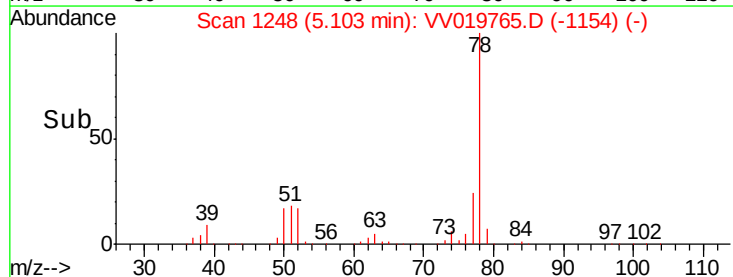
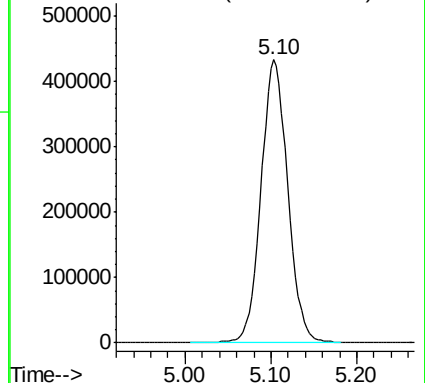
Lab File: VV019765.D

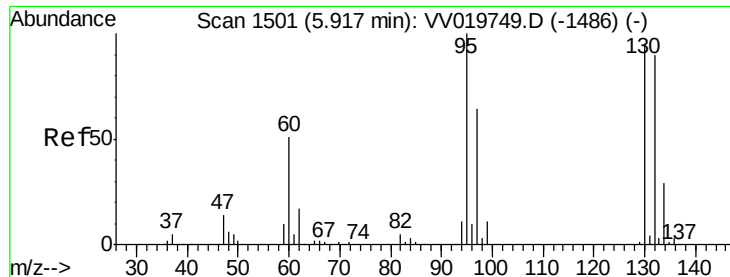
Acq: 20 Dec 2020 03:36

Tgt Ion: 78 Resp: 942246



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 45.284 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

Tot Ion: 95 Resp: 246199

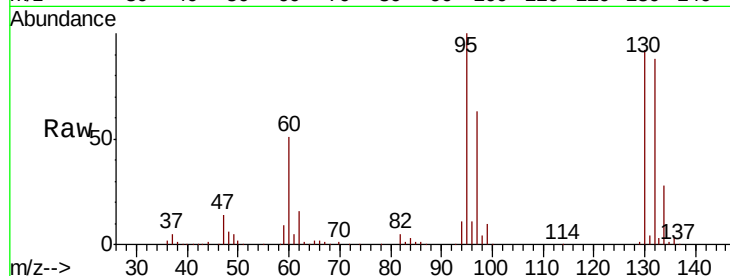
Ion Ratio Lower Upper

95 100

97 63.0 44.4 82.4

132 88.3 64.3 119.3

130 92.2 67.8 125.8

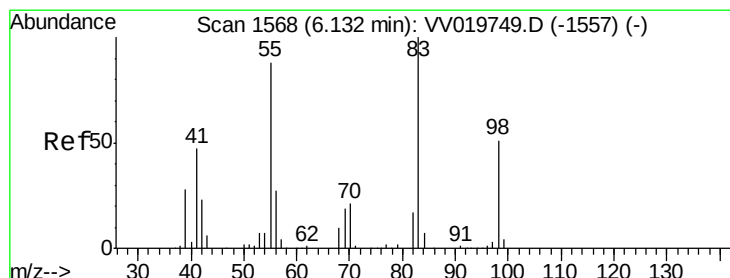
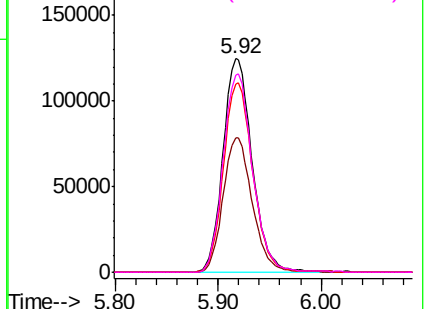
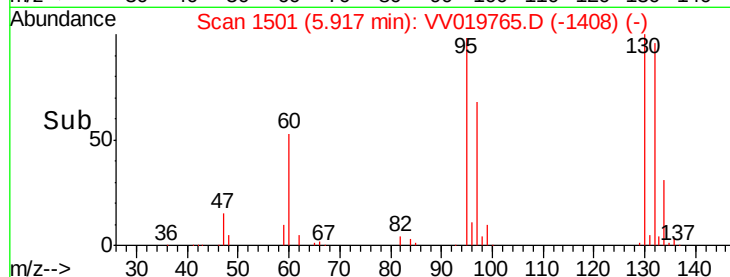


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 42.769 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

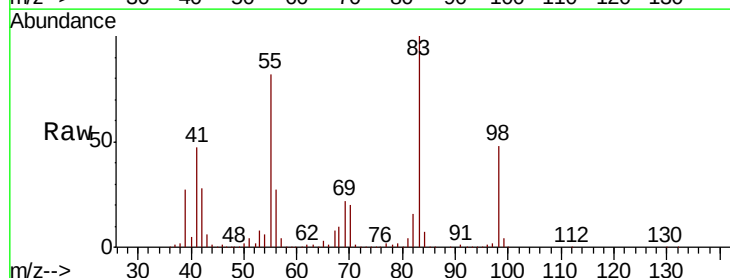
Tgt Ion: 83 Resp: 353251

Ion Ratio Lower Upper

83 100

55 81.7 64.2 96.4

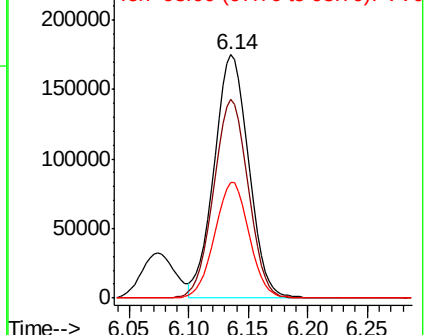
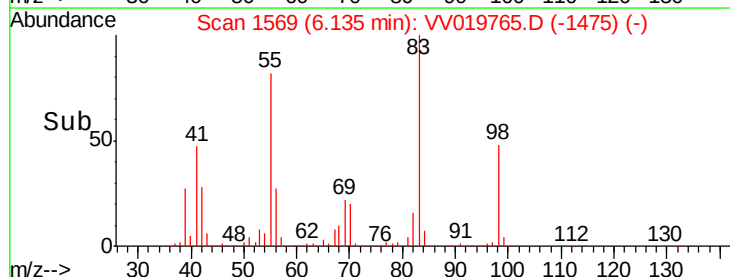
98 47.5 39.3 58.9

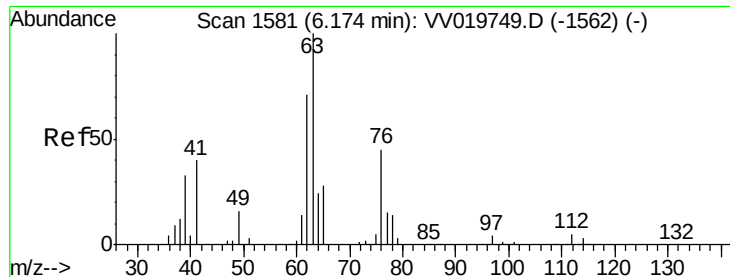


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

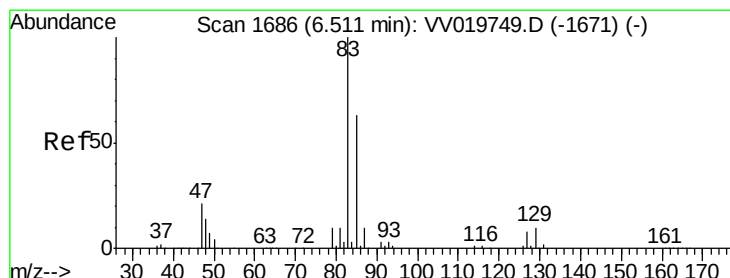
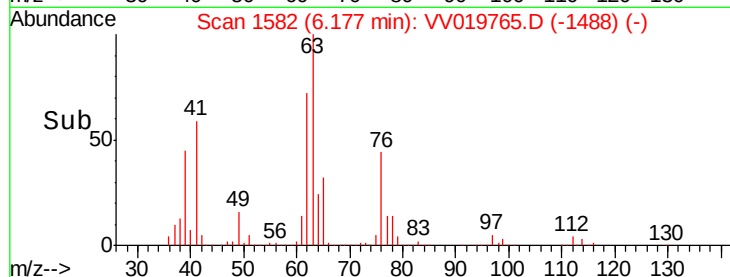
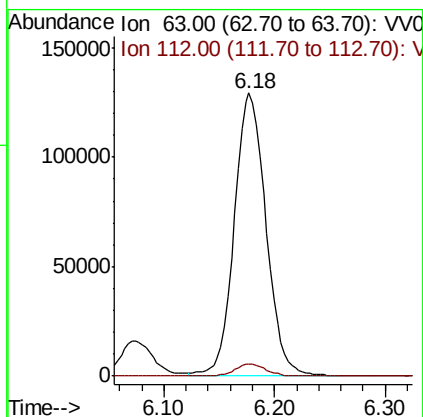
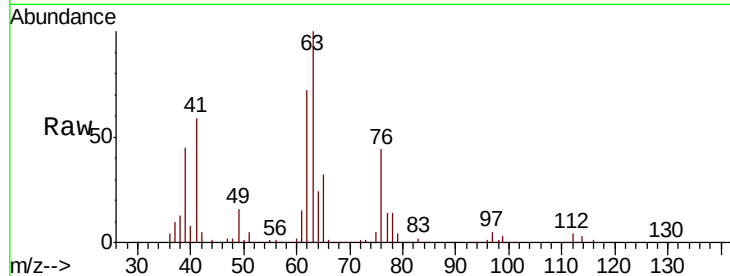




#37
 1,2-Dichloropropane
 Concen: 47.563 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

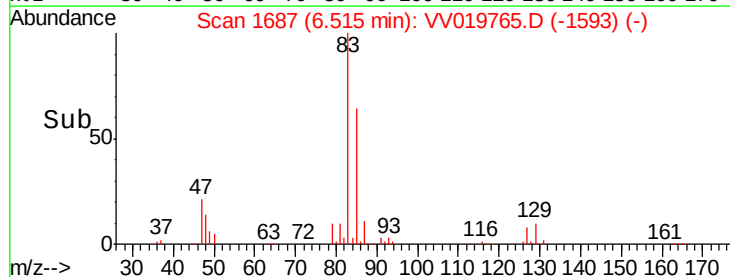
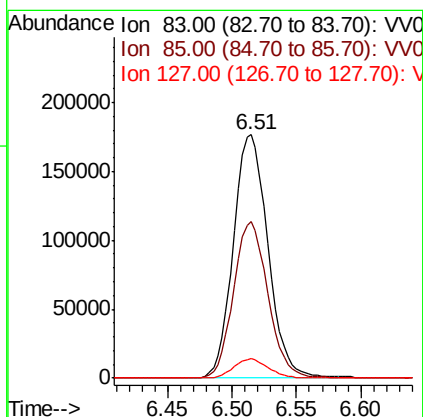
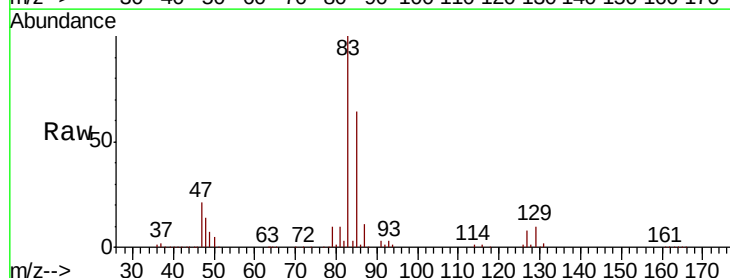
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05099

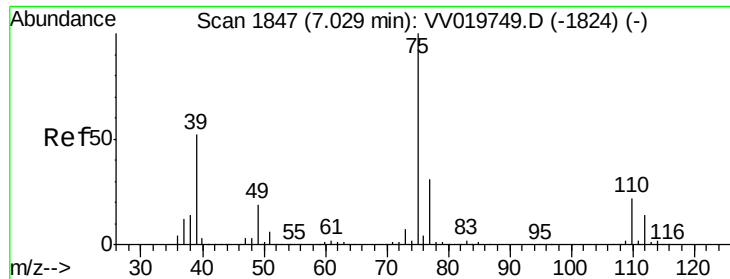
Tot Ion: 63 Resp: 255643
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 43.854 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

Tgt Ion: 83 Resp: 329597
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.5
 127 7.9 6.7 10.1

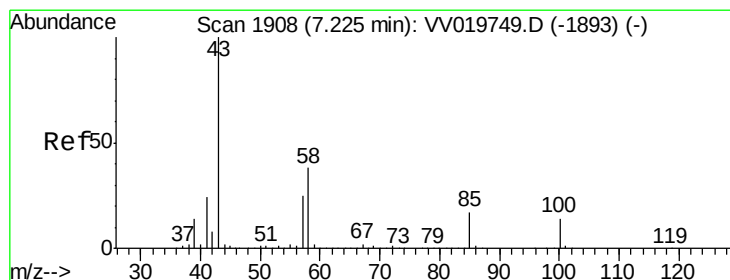
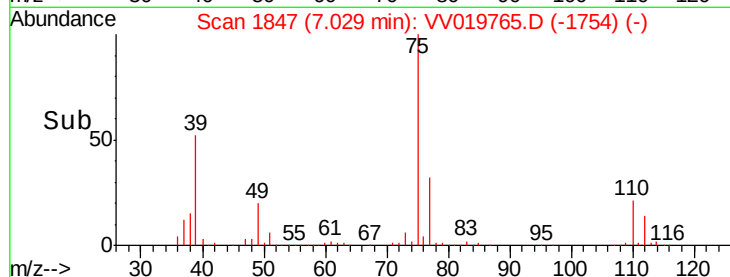
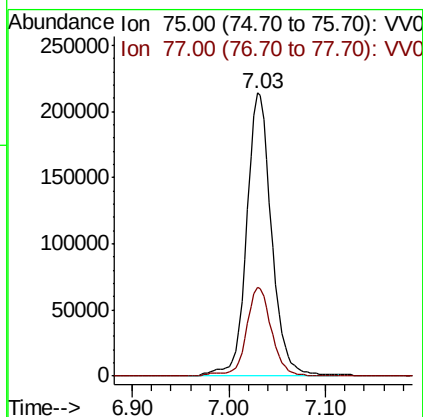
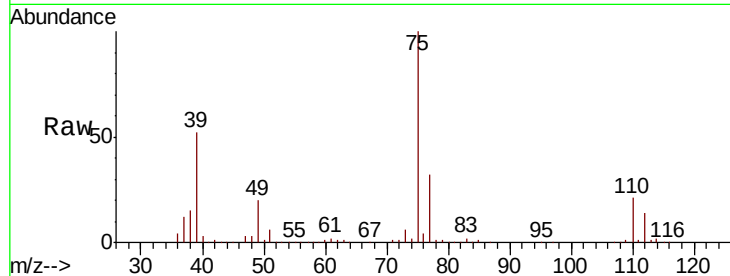




#39
 cis-1,3-Dichloropropene
 Concen: 42.993 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

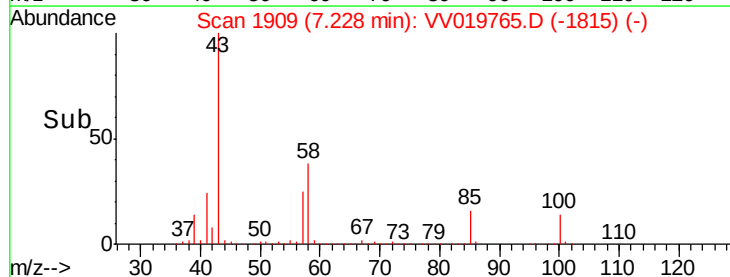
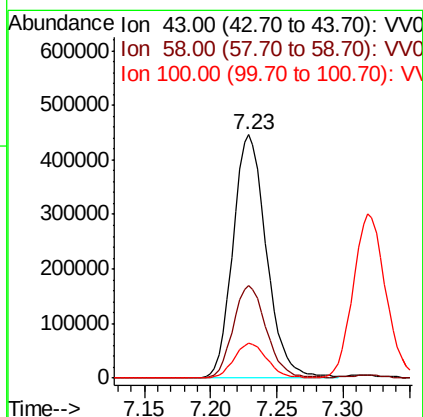
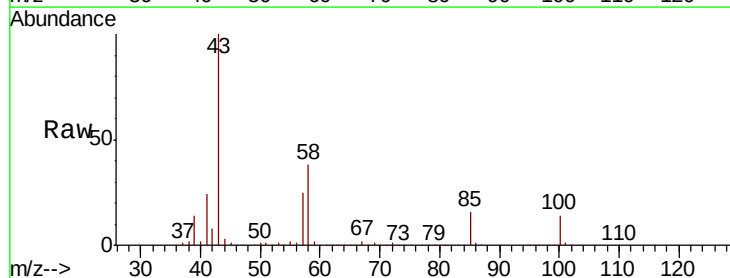
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

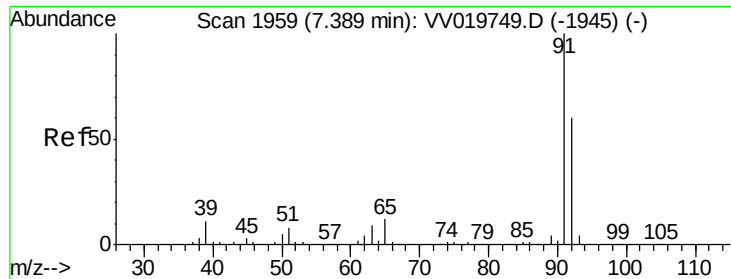
Tot Ion: 75 Resp: 383789
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 100.768 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

Tgt Ion: 43 Resp: 781386
 Ion Ratio Lower Upper
 43 100
 58 37.8 31.7 47.5
 100 14.3 12.5 18.7





#42

Toluene

Concen: 45.111 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

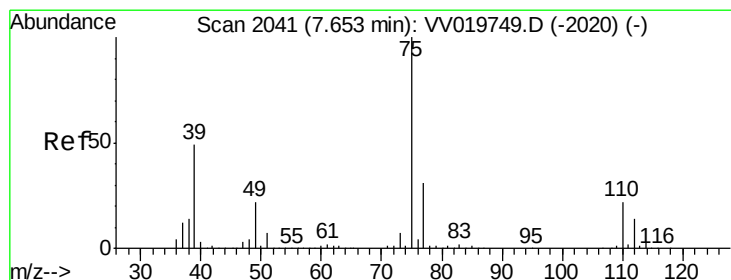
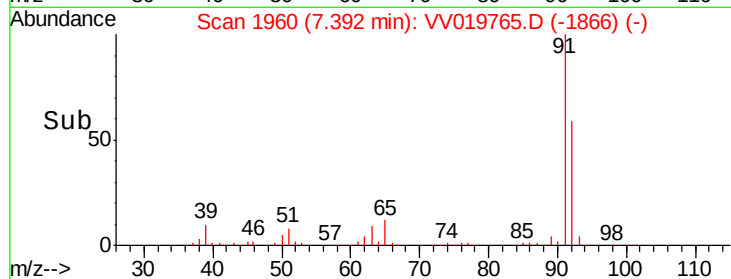
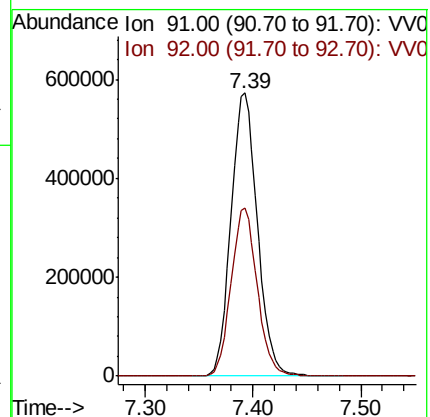
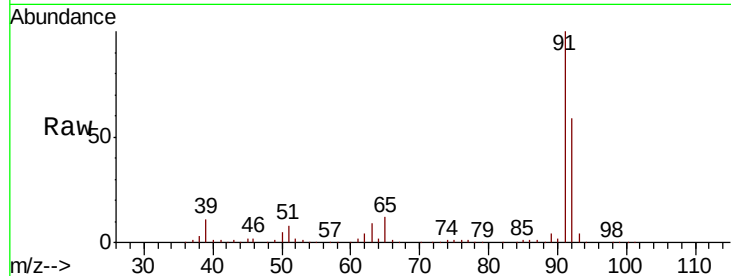
VSTD05099

Tot Ion: 91 Resp: 978553

Ion Ratio Lower Upper

91 100

92 59.4 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 41.051 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019765.D

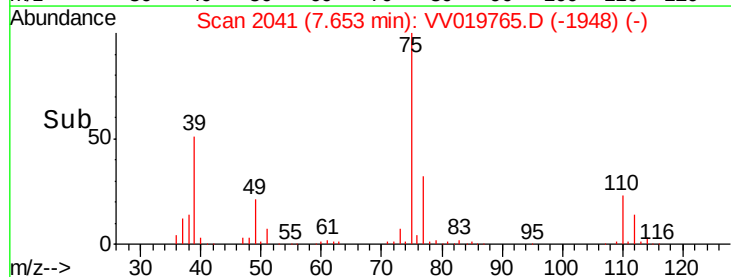
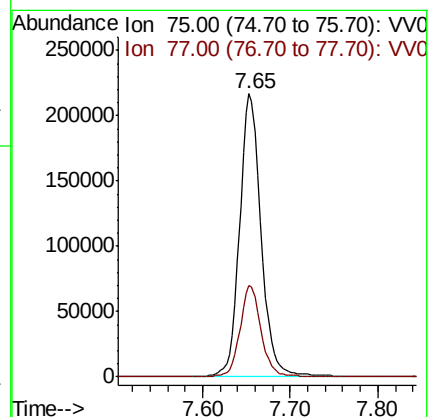
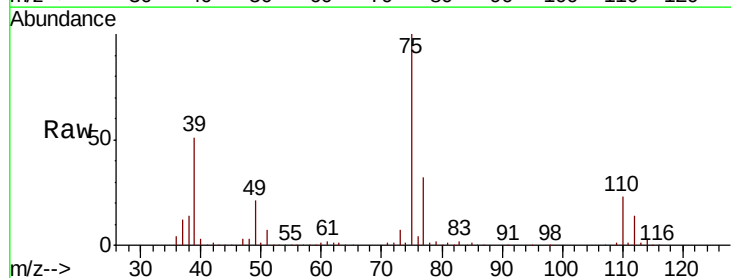
Acq: 20 Dec 2020 03:36

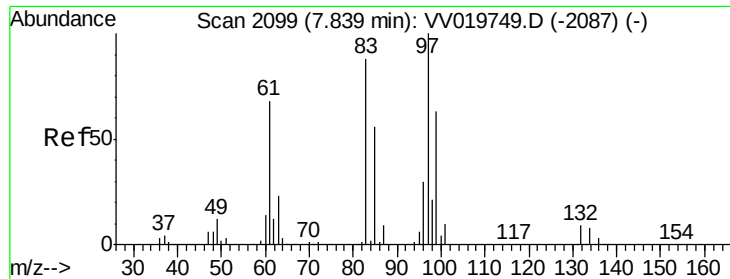
Tgt Ion: 75 Resp: 371057

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9

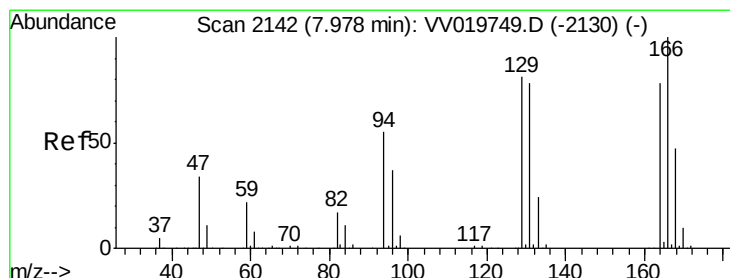
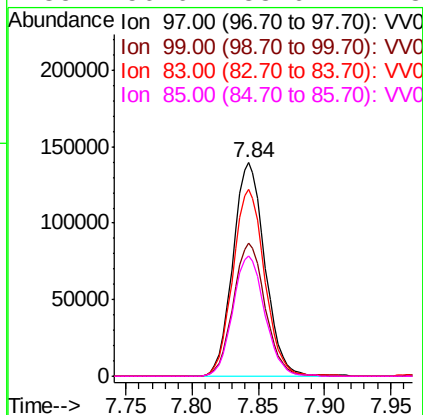
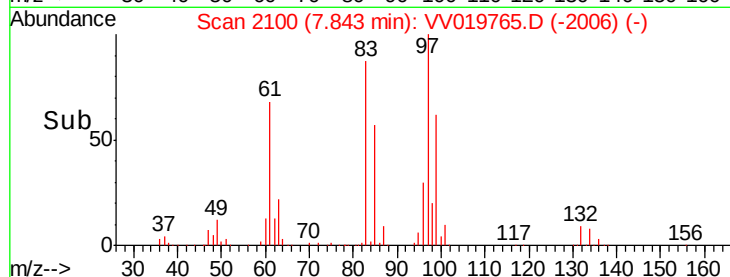
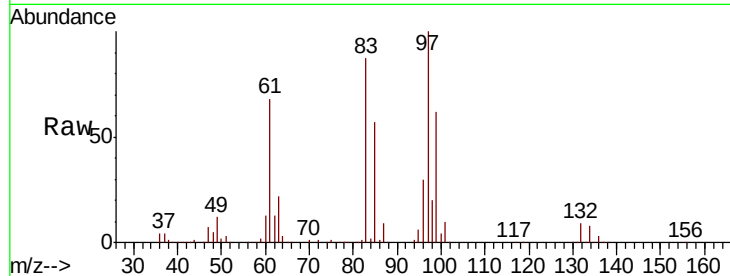




#45
 1,1,2-Trichloroethane
 Concen: 45.851 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

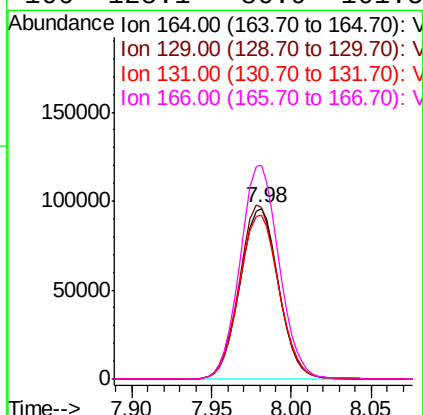
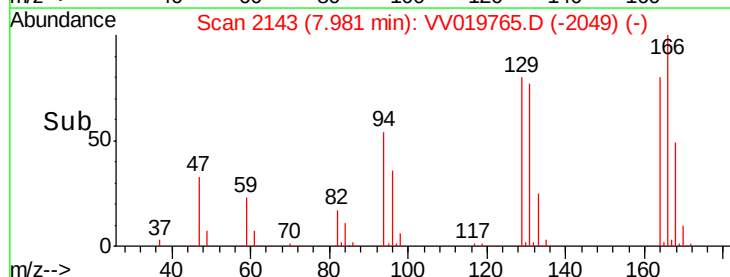
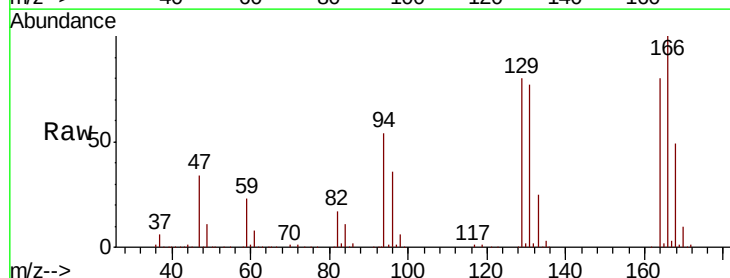
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

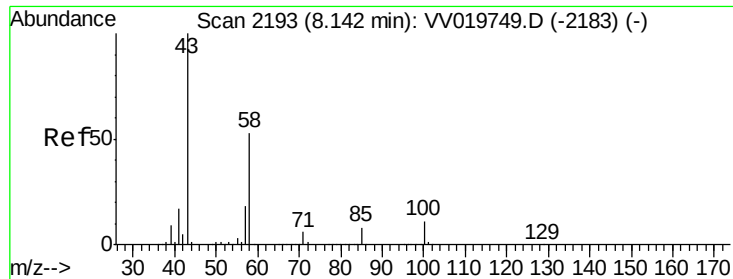
Tot Ion:	97	Resp:	234027
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.1	81.9
83	87.3	60.0	111.4
85	56.6	38.6	71.8



#46
 Tetrachloroethene
 Concen: 42.182 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

Tgt Ion:	164	Resp:	158691
Ion	Ratio	Lower	Upper
164	100		
129	100.5	70.6	131.0
131	95.8	68.0	126.4
166	125.1	86.9	161.5

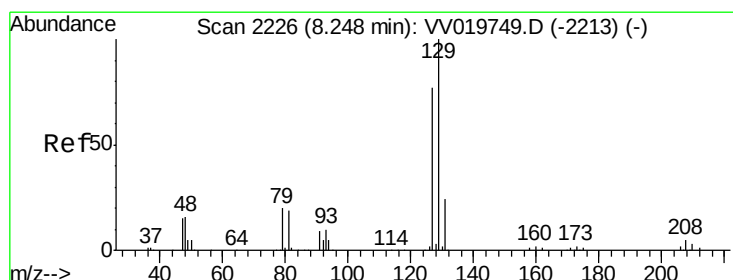
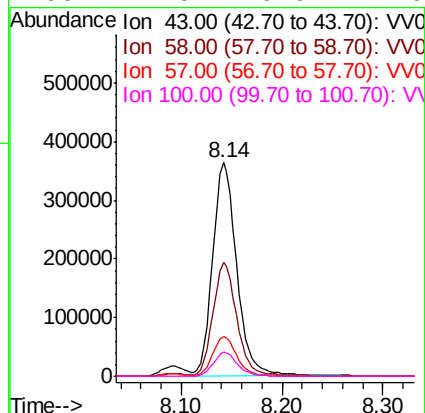
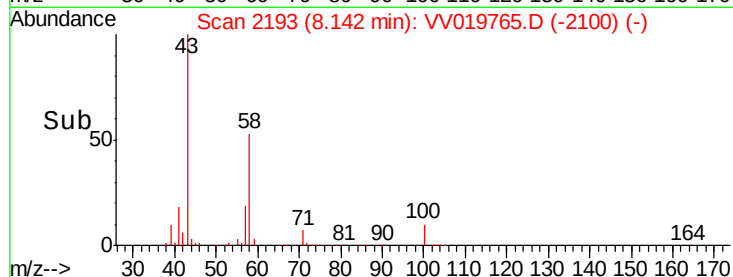
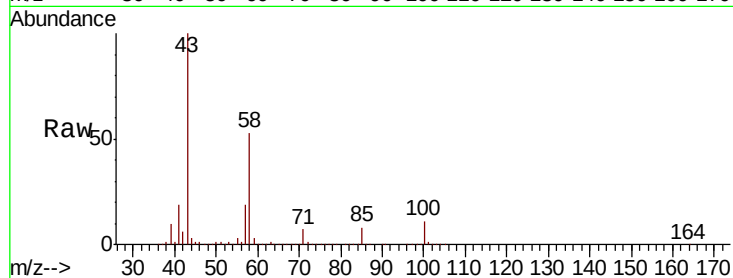




#48
2-Hexanone
Concen: 102.057 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019765.D
Acq: 20 Dec 2020 03:36

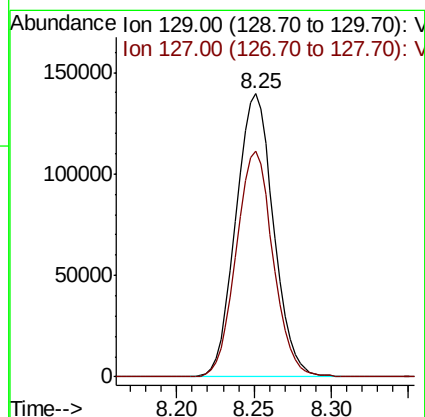
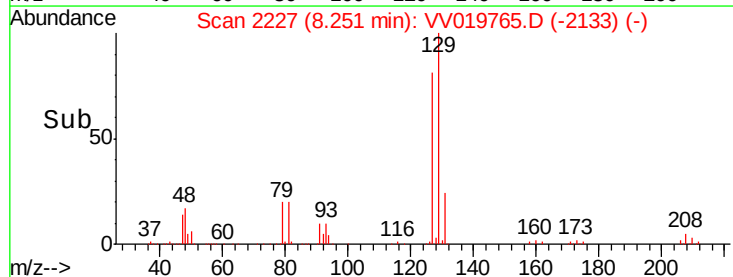
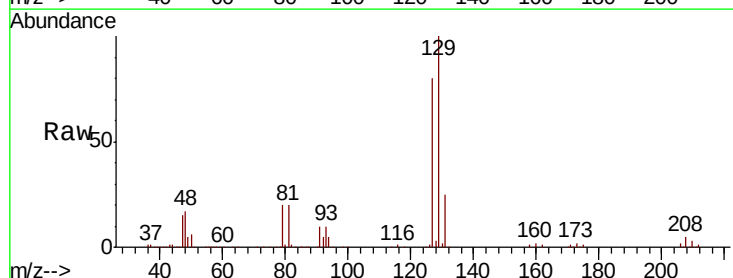
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

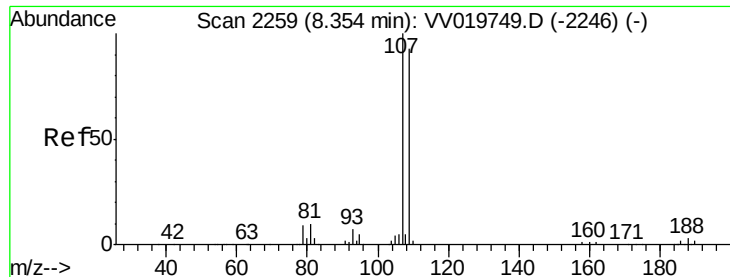
Tot Ion: 43 Resp: 600487
Ion Ratio Lower Upper
43 100
58 53.1 44.4 66.6
57 18.2 15.7 23.5
100 11.0 9.9 14.9



#49
Dibromochloromethane
Concen: 42.244 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019765.D
Acq: 20 Dec 2020 03:36

Tgt Ion: 129 Resp: 236127
Ion Ratio Lower Upper
129 100
127 79.8 54.2 100.6

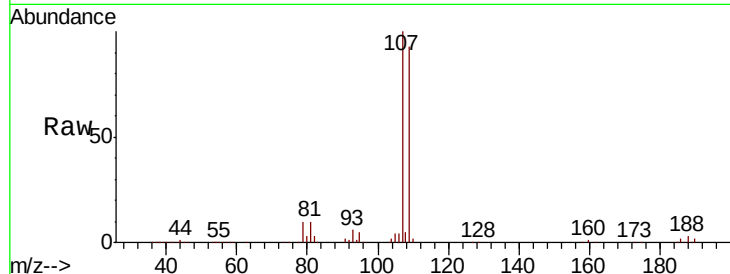




#50
 1,2-Dibromoethane
 Concen: 45.302 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	66.4	123.2
188	3.5	2.9	4.3

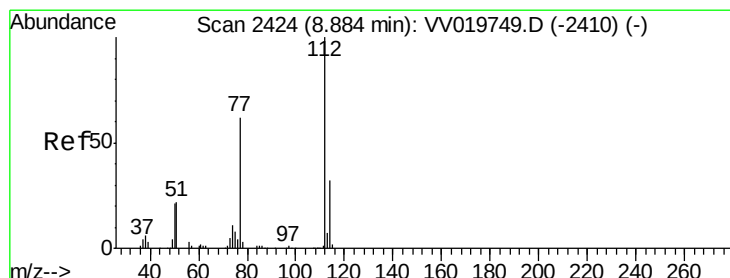
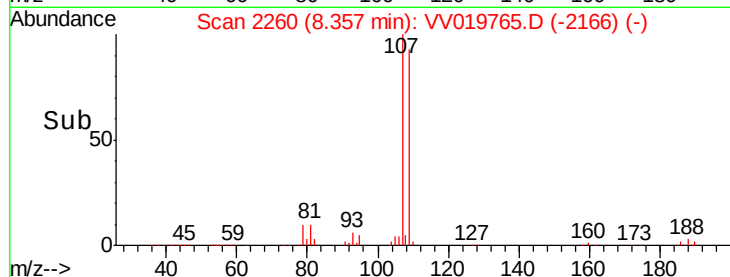
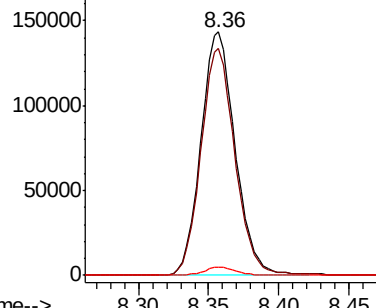


Abundance

Ion 107.00 (106.70 to 107.70): V

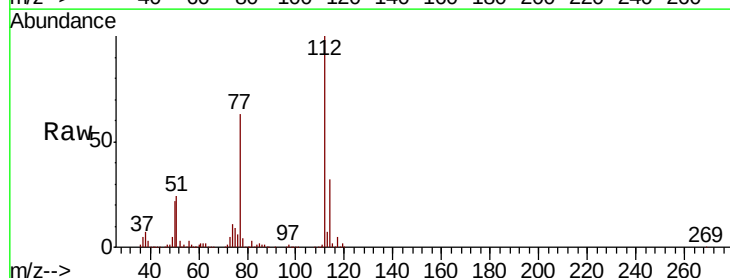
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 44.738 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.2	41.2
77	62.7	50.6	75.8

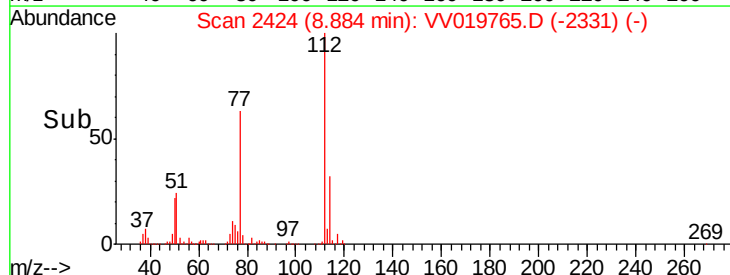
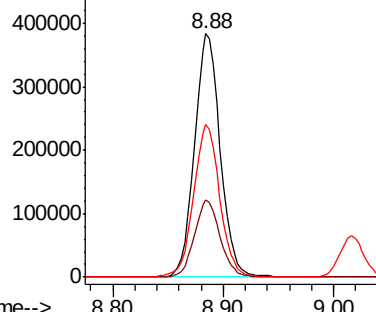


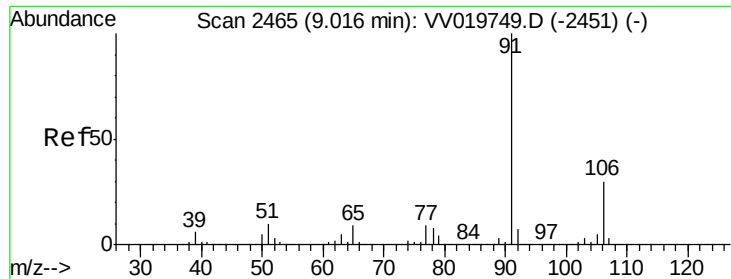
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 44.798 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

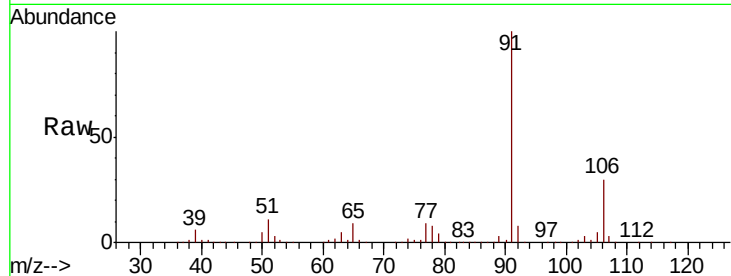
VSTD05099

Tot Ion: 91 Resp: 1107176

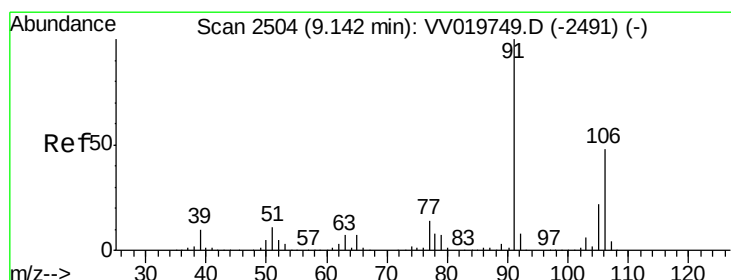
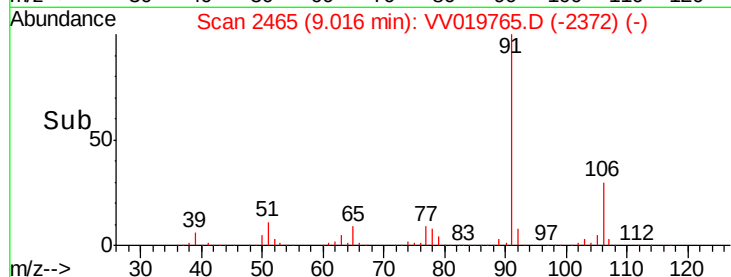
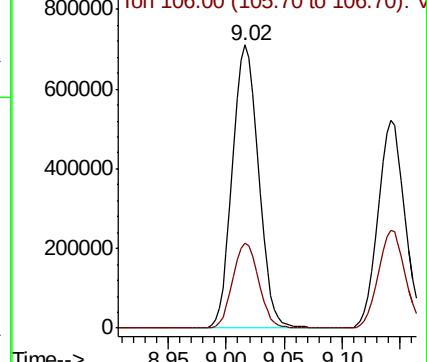
Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV019749.D (-2451) (-)



#53

m,p-Xylene

Concen: 43.462 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019765.D

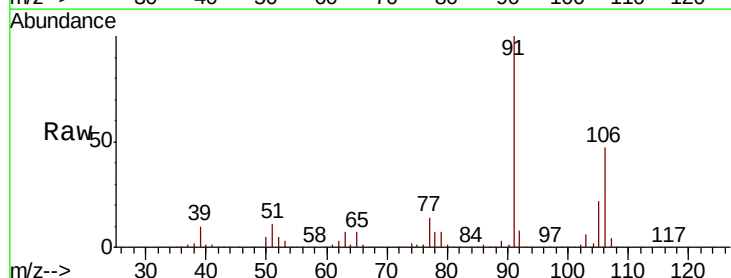
Acq: 20 Dec 2020 03:36

Tgt Ion: 106 Resp: 401294

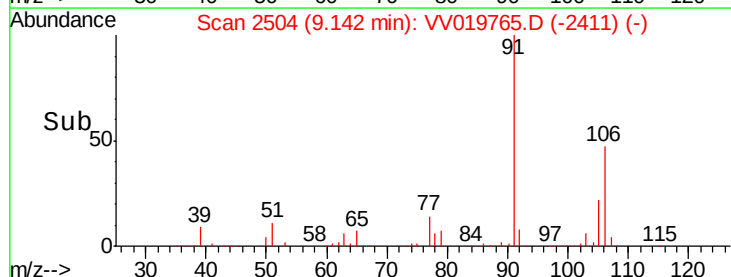
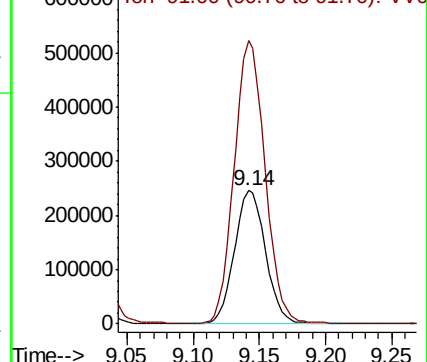
Ion Ratio Lower Upper

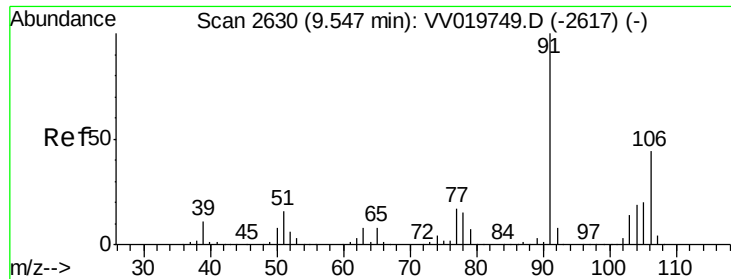
106 100

91 212.5 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): VV019749.D (-2491) (-)





#54

o-xylene

Concen: 44.058 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

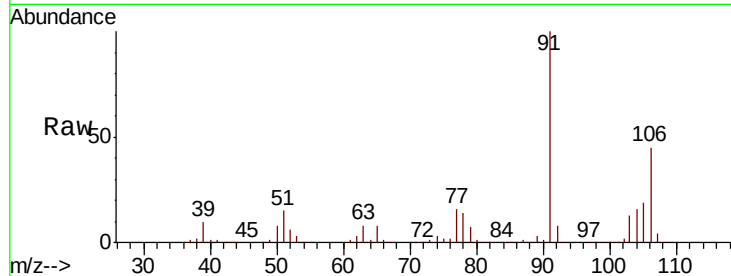
VSTD05099

Tot Ion:106 Resp: 398734

Ion Ratio Lower Upper

106 100

91 223.7 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

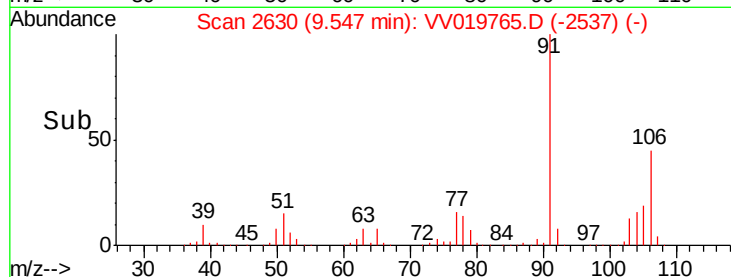
600000

400000

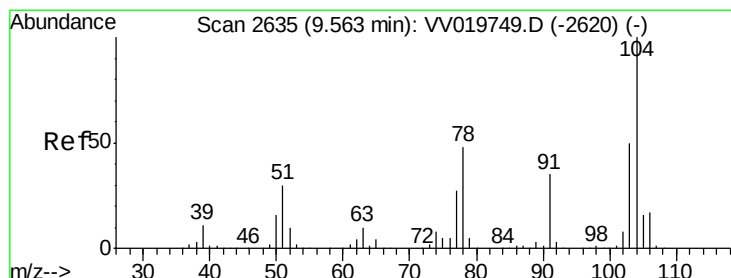
200000

0

9.50 9.55 9.60



Time-->



#55

Styrene

Concen: 44.718 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019765.D

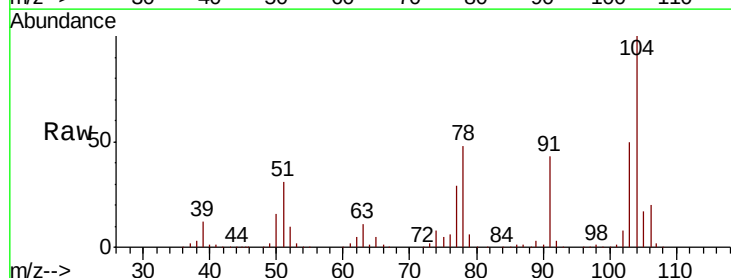
Acq: 20 Dec 2020 03:36

Tgt Ion:104 Resp: 705349

Ion Ratio Lower Upper

104 100

78 48.0 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

500000

400000

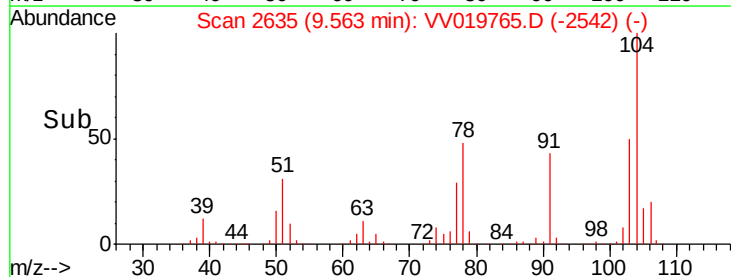
300000

200000

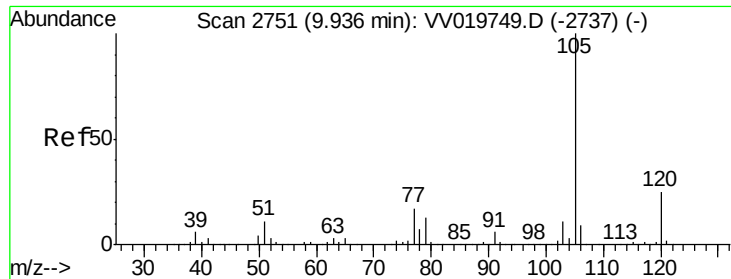
100000

0

9.50 9.56 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 44.149 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

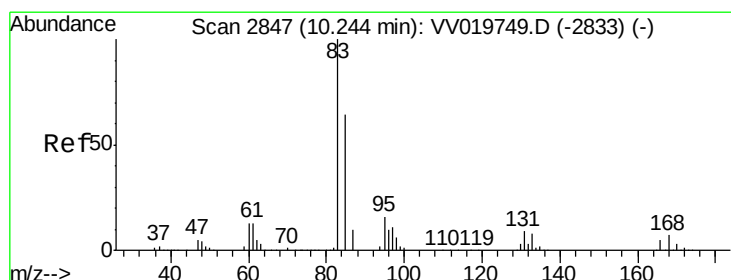
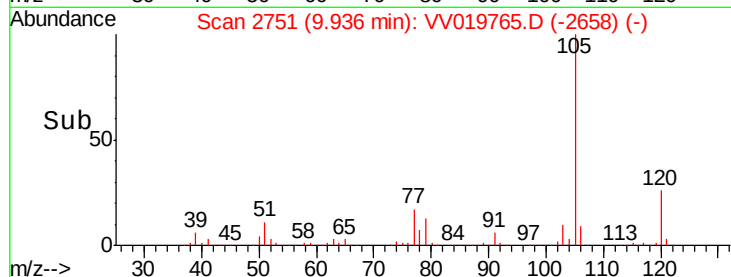
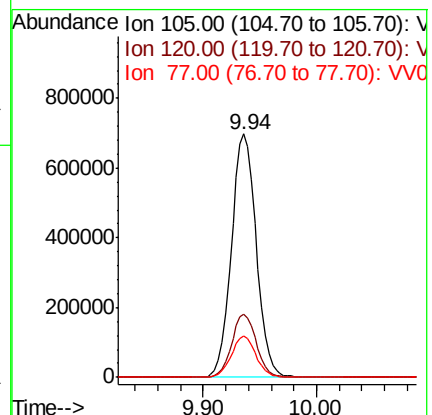
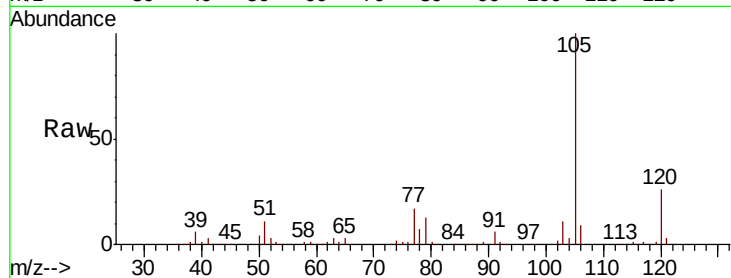
Tot Ion:105 Resp: 1064458

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 16.9 13.2 19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 46.486 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

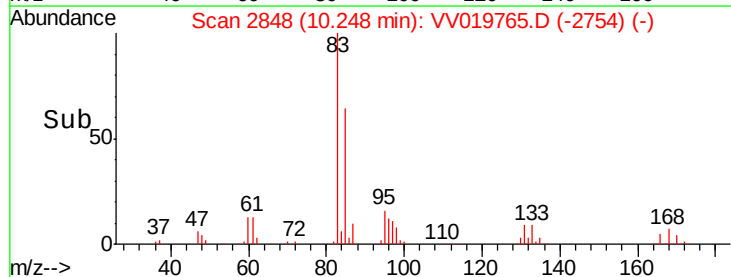
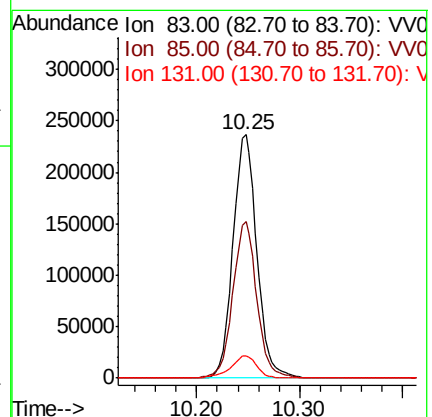
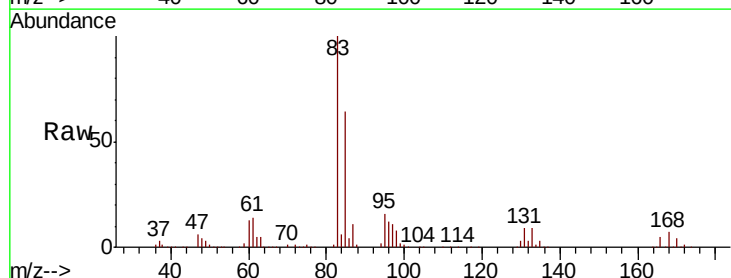
Tgt Ion: 83 Resp: 381560

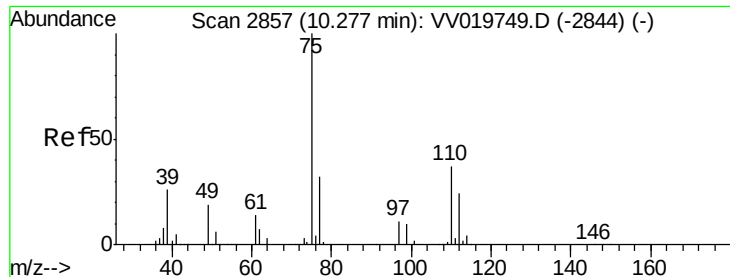
Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.5

131 9.3 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 47.876 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

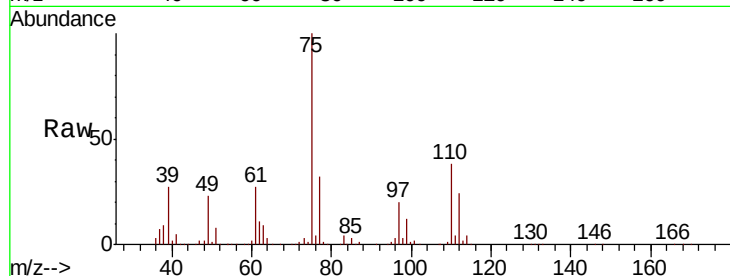
VSTD05099

Tot Ion: 75 Resp: 320071

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019749.D (-2844) (-)

Ion 77.00 (76.70 to 77.70): VV019749.D (-2844) (-)

10.28

200000

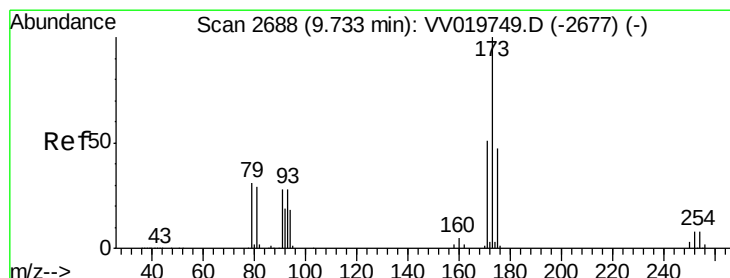
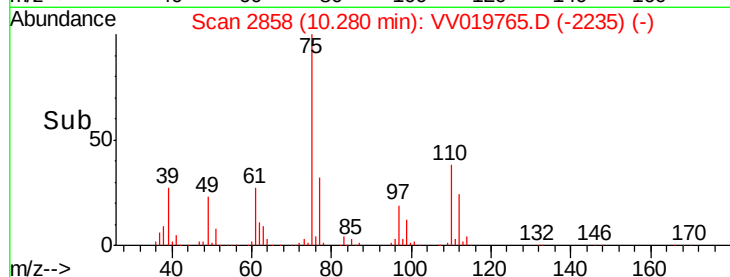
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 40.007 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

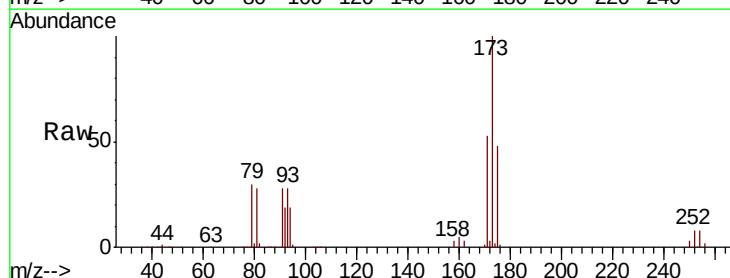
Tgt Ion: 173 Resp: 149638

Ion Ratio Lower Upper

173 100

175 48.7 38.4 57.6

254 8.0 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019749.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019749.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019749.D (-2677) (-)

9.74

120000

100000

80000

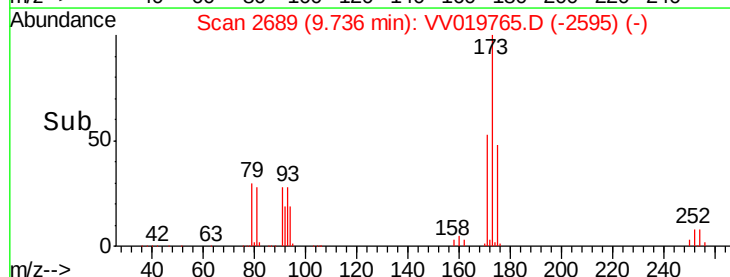
60000

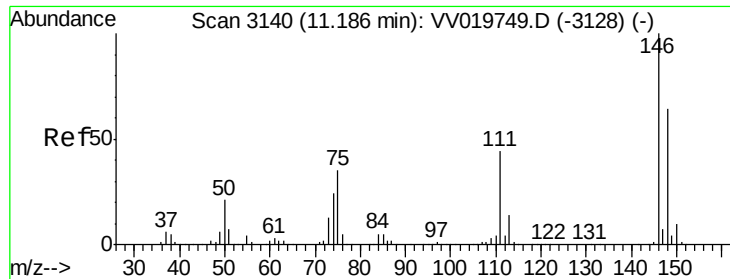
40000

20000

0

Time-->

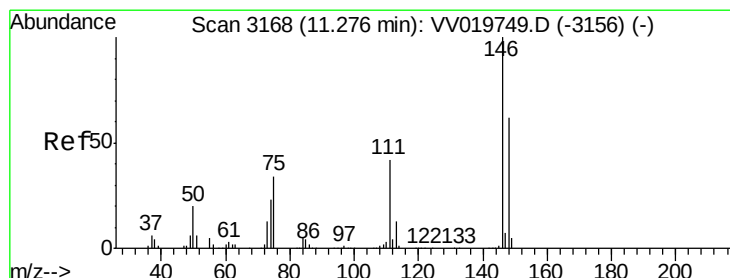
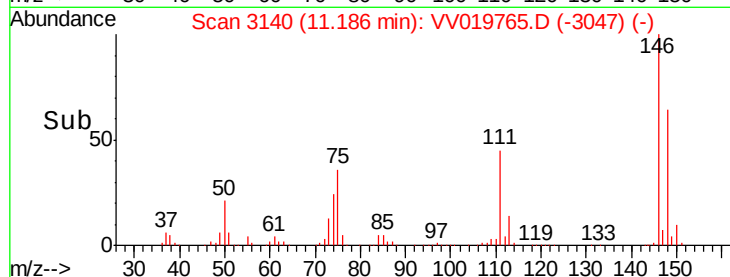
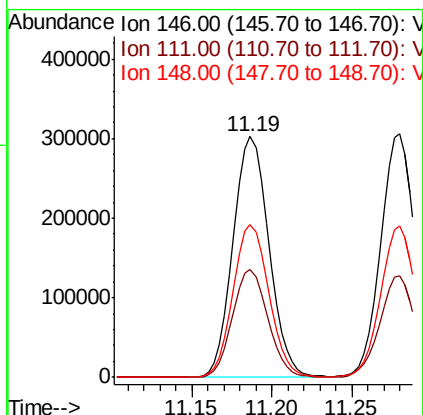
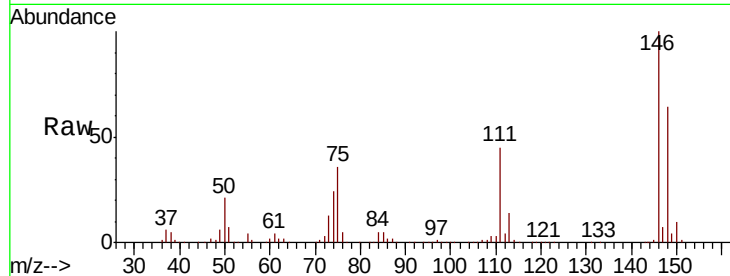




#62
 1,3-Dichlorobenzene
 Concen: 44.657 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

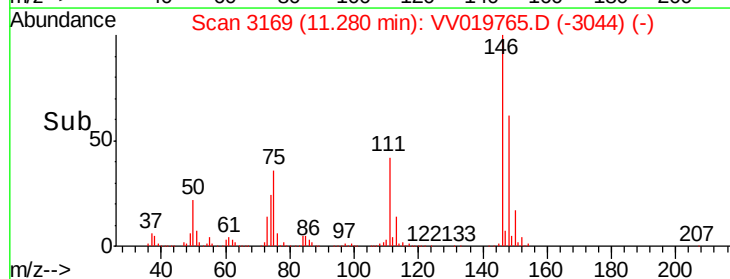
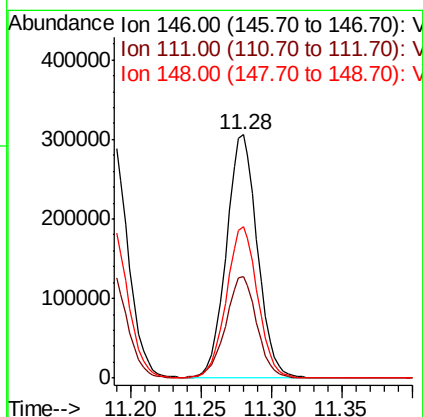
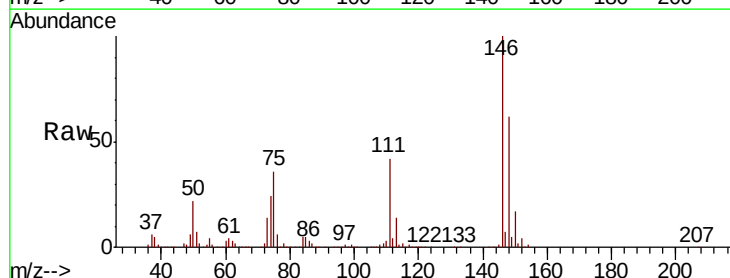
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

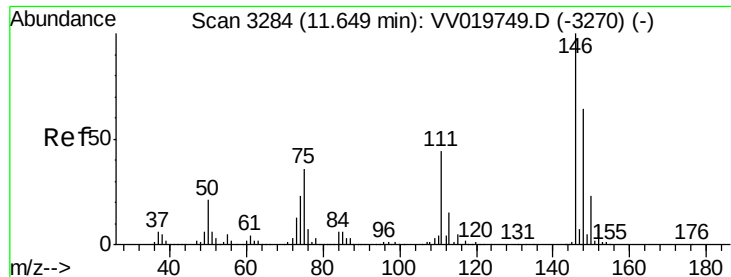
Tot Ion:146 Resp: 463150
 Ion Ratio Lower Upper
 146 100
 111 44.9 30.7 57.1
 148 63.6 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 44.496 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

Tgt Ion:146 Resp: 467298
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.8 55.4
 148 62.3 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 45.531 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

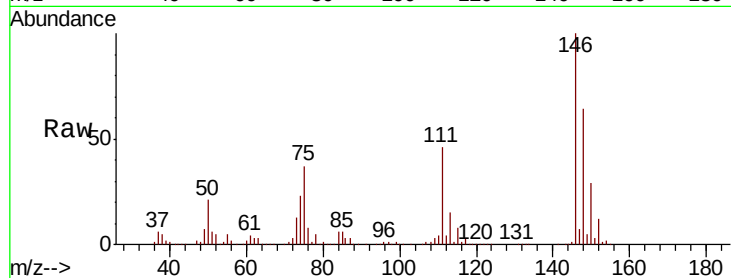
Tot Ion:146 Resp: 466605

Ion Ratio Lower Upper

146 100

111 45.6 36.6 55.0

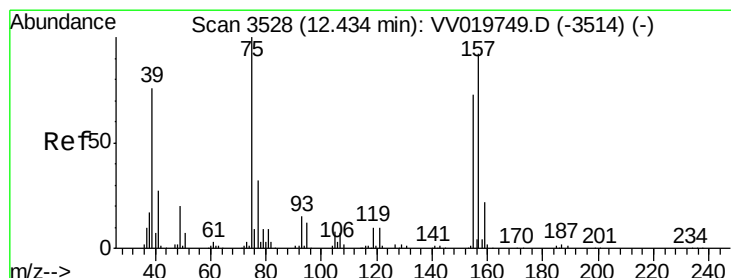
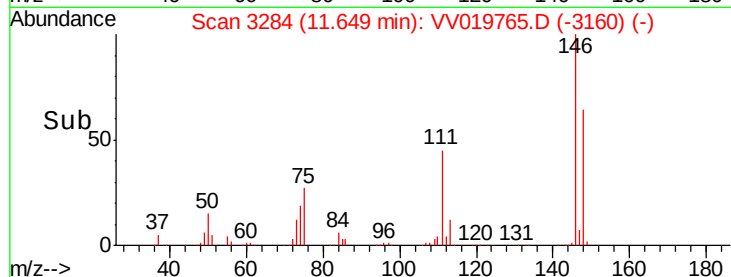
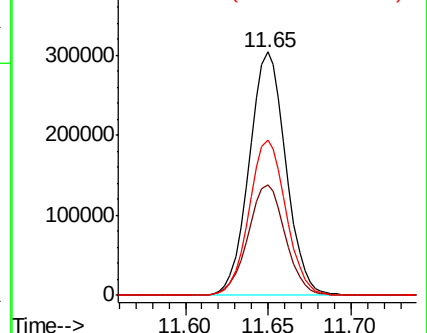
148 63.9 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 43.444 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

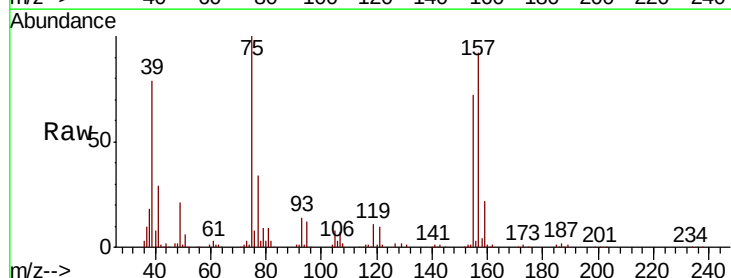
Tgt Ion: 75 Resp: 92935

Ion Ratio Lower Upper

75 100

155 72.2 61.1 91.7

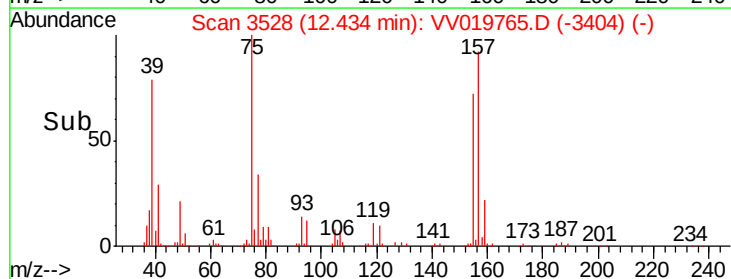
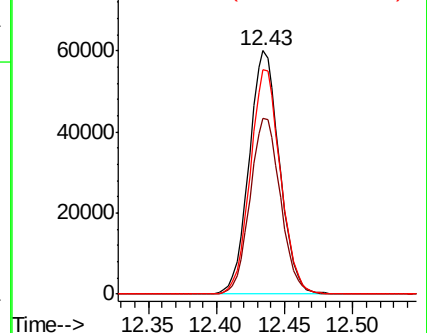
157 92.0 78.7 118.1

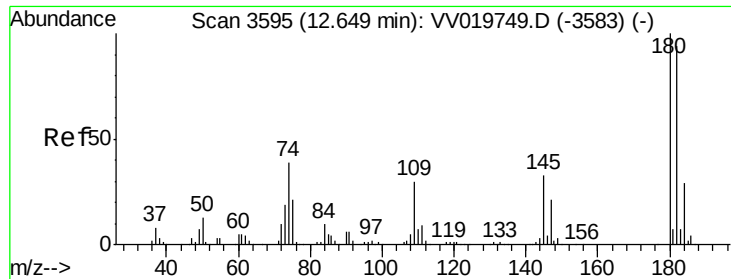


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

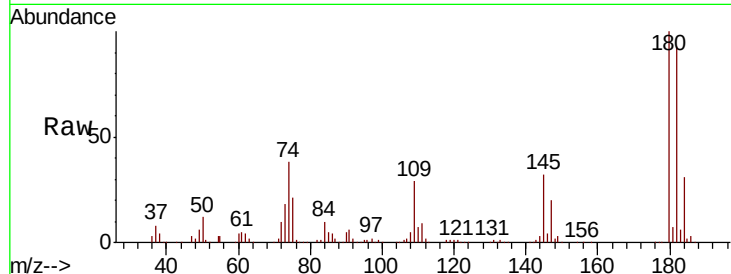




#67
 1,3,5-Trichlorobenzene
 Concen: 45.135 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.8	113.6
184	30.1	23.9	35.9
145	32.2	26.2	39.2



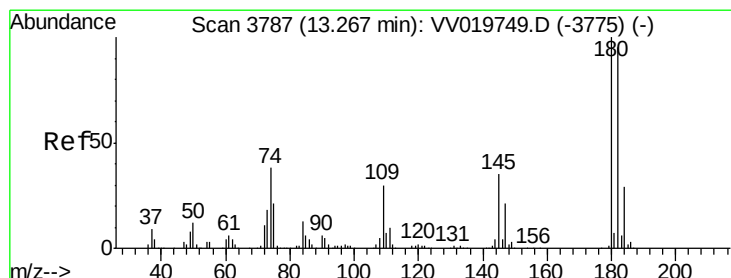
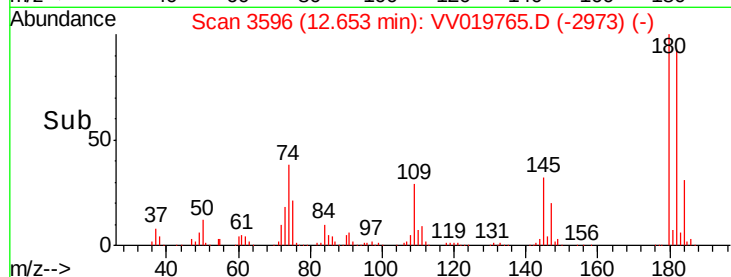
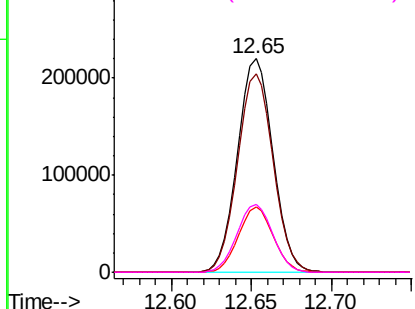
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

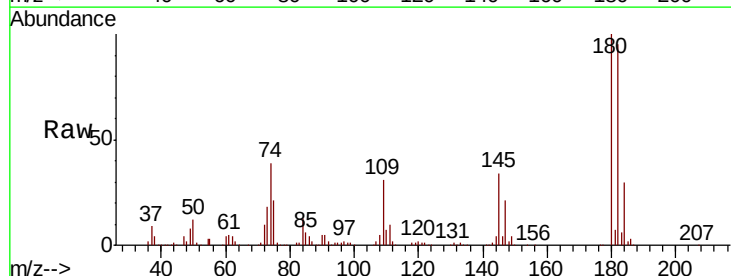
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 44.374 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019765.D
 Acq: 20 Dec 2020 03:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.5	114.7
145	34.1	27.0	40.6

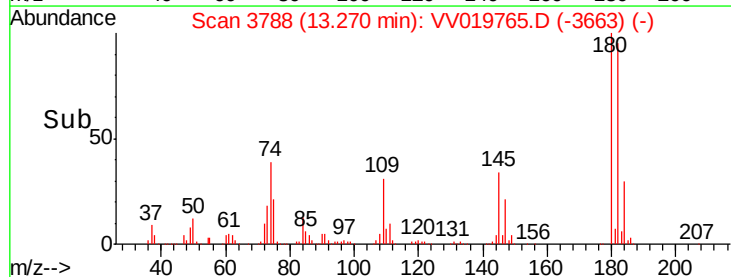
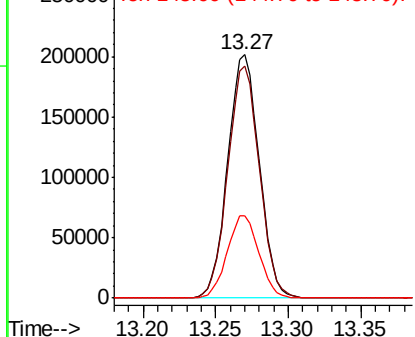


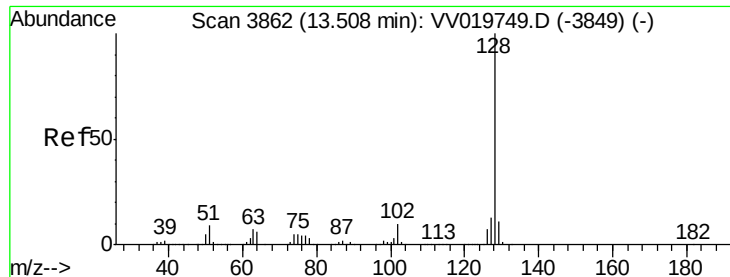
Abundance

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: 43.999 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

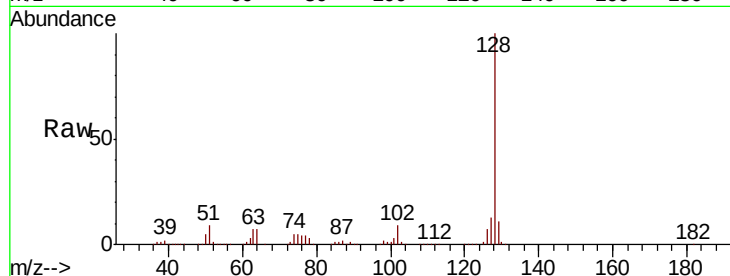
Tot Ion:128 Resp: 1046722

Ion Ratio Lower Upper

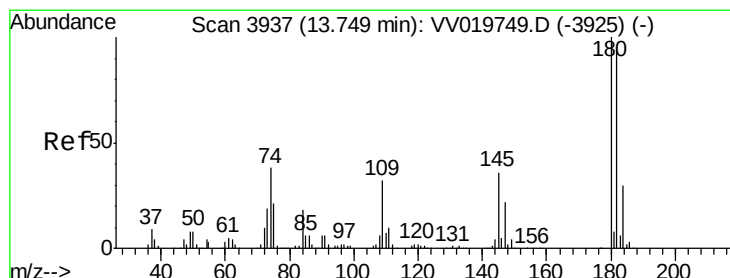
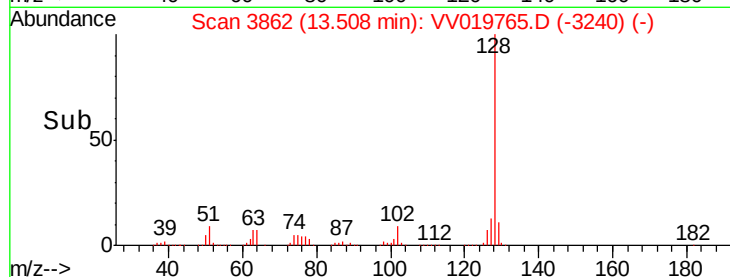
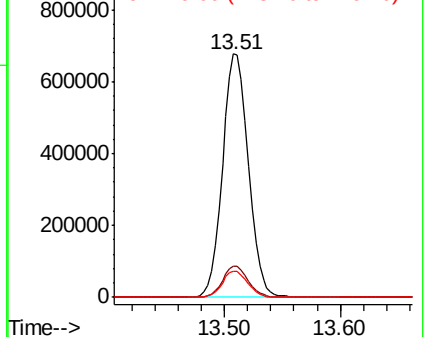
128 100

127 12.8 10.3 15.5

129 10.7 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: 44.713 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019765.D

Acq: 20 Dec 2020 03:36

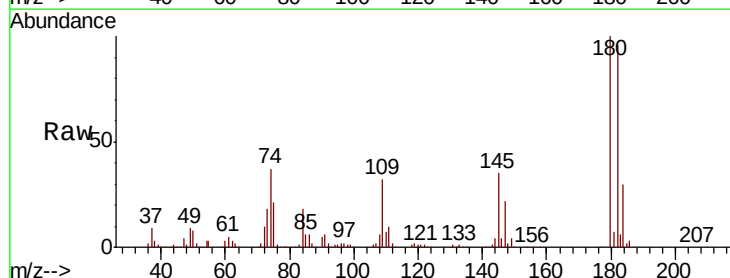
Tgt Ion:180 Resp: 299366

Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.6

145 35.8 29.1 43.7



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

