

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122820\
 Data File : VV019853.D
 Acq On : 28 Dec 2020 16:41
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Quant Time: Dec 29 03:05:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 29 03:03:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	552152	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	524196	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	265450	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	226592	53.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.06%
7) Chloroethane-d5	1.57	69	182549	53.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.50%
11) 1,1-Dichloroethene-d2	2.11	63	419128	51.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.80%
21) 2-Butanone-d5	3.89	46	348218	109.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.95%
24) Chloroform-d	4.35	84	431846	53.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.98%
26) 1,2-Dichloroethane-d4	5.03	65	289858	54.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.86%
32) Benzene-d6	5.05	84	807477	53.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.98%
36) 1,2-Dichloropropane-d6	6.07	67	263414	53.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.14%
41) Toluene-d8	7.32	98	702490	52.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.58%
43) trans-1,3-Dichloropropene-	7.62	79	132632	53.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.52%
47) 2-Hexanone-d5	8.09	63	232351	113.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.27%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	349300	54.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.22%
64) 1,2-Dichlorobenzene-d4	11.63	152	262160	51.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	223763	52.206	ug/L 100
3) Chloromethane	1.24	50	282027	53.727	ug/L 100
5) Vinyl chloride	1.31	62	270684	52.778	ug/L 100
6) Bromomethane	1.52	94	168844	54.343	ug/L 100
8) Chloroethane	1.59	64	171529	53.798	ug/L 99
9) Trichlorofluoromethane	1.75	101	324163	52.174	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	179385	51.264	ug/L 97
12) 1,1-Dichloroethene	2.12	96	182261	51.908	ug/L 87
13) Acetone	2.18	43	249768	101.877	ug/L 100
14) Carbon disulfide	2.29	76	580068	50.711	ug/L 100
15) Methyl Acetate	2.43	43	268351	53.871	ug/L 100
16) Methylene chloride	2.51	84	238195	54.014	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	207918	52.925	ug/L 97
18) Methyl tert-butyl Ether	2.77	73	731449	55.145	ug/L 100
19) 1,1-Dichloroethane	3.19	63	424634	53.565	ug/L 99
22) 2-Butanone	3.97	43	385237	111.920	ug/L 96
23) Bromochloromethane	4.25	128	115212	54.250	ug/L 97

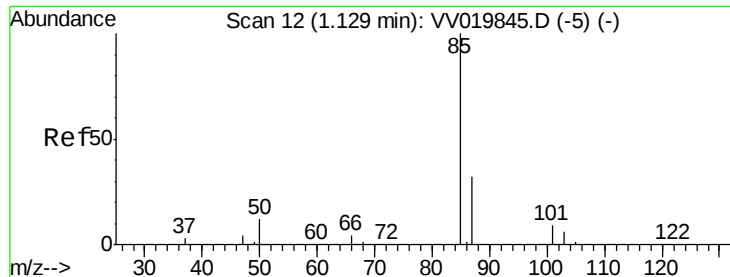
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122820\
 Data File : VV019853.D
 Acq On : 28 Dec 2020 16:41
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Quant Time: Dec 29 03:05:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 29 03:03:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.38	83	423442	54.146	ug/L	98
27) 1,2-Dichloroethane	5.13	62	355850	55.191	ug/L	99
29) Cyclohexane	4.68	56	342660	51.056	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	349228	52.036	ug/L	99
31) Carbon tetrachloride	4.83	117	283657	51.361	ug/L	98
33) Benzene	5.10	78	890132	53.988	ug/L	100
34) Trichloroethene	5.91	95	227489	52.010	ug/L	98
35) Methylcyclohexane	6.13	83	336632	51.319	ug/L	99
37) 1,2-Dichloropropane	6.18	63	242171	54.696	ug/L	99
38) Bromodichloromethane	6.51	83	315115	54.438	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	353736	51.868	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	738665	111.417	ug/L	99
42) Toluene	7.39	91	895728	53.037	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	357680	53.772	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	220840	54.376	ug/L	99
46) Tetrachloroethene	7.98	164	146028	49.992	ug/L	97
48) 2-Hexanone	8.14	43	561469	109.541	ug/L	100
49) Dibromochloromethane	8.25	129	228926	54.512	ug/L	98
50) 1,2-Dibromoethane	8.35	107	231044	54.204	ug/L	99
51) Chlorobenzene	8.88	112	565082	52.470	ug/L	99
52) Ethylbenzene	9.02	91	985641	51.863	ug/L	100
53) m,p-Xylene	9.14	106	363778	52.553	ug/L	98
54) o-xylene	9.55	106	357381	52.809	ug/L	99
55) Styrene	9.56	104	634597	53.954	ug/L	99
56) Isopropylbenzene	9.94	105	949718	52.400	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	350769	54.377	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	302596	53.759	ug/L	100
61) Bromoform	9.74	173	144305	52.858	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	416367	51.524	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	424997	51.135	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	428196	51.909	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	88684	56.480	ug/L	92
67) 1,3,5-Trichlorobenzene	12.65	180	305355	52.374	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	284979	54.897	ug/L	99
69) Naphthalene	13.51	128	952823	58.355	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	275897	54.684	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 52.206 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampled :

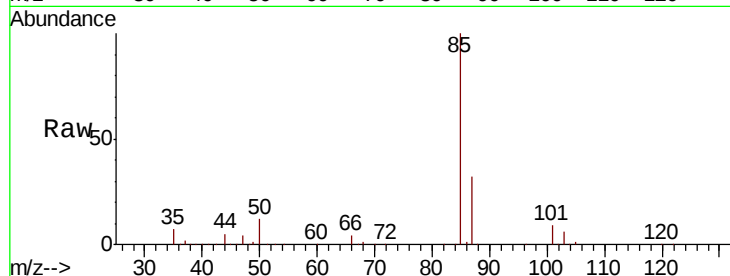
VSTD05075

Tot Ion: 85 Resp: 223763

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019845.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019845.D (-5) (-)

1.13

250000

200000

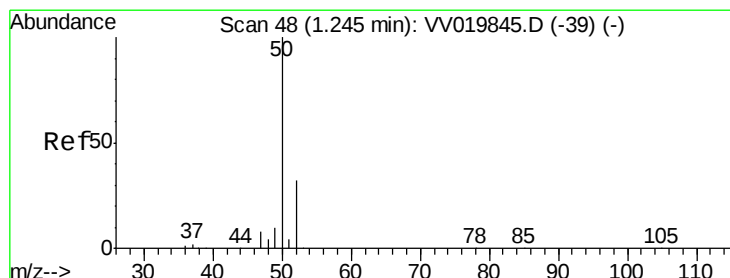
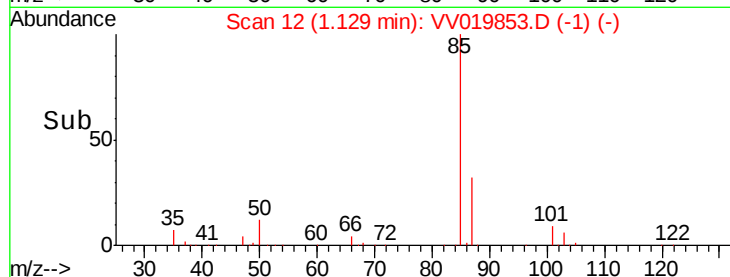
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 53.727 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019853.D

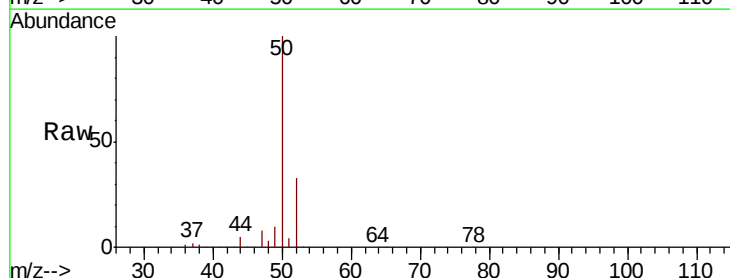
Acq: 28 Dec 2020 16:41

Tgt Ion: 50 Resp: 282027

Ion Ratio Lower Upper

50 100

52 32.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019845.D (-39) (-)

Ion 52.00 (51.70 to 52.70): VV019845.D (-39) (-)

1.24

300000

250000

200000

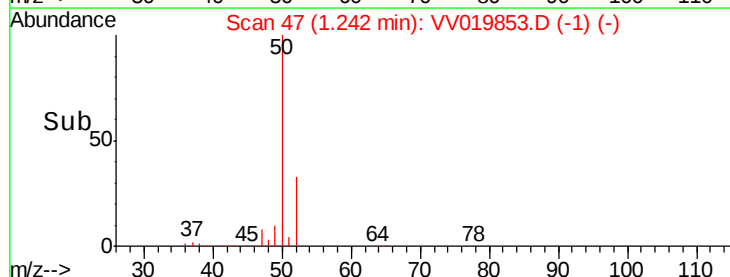
150000

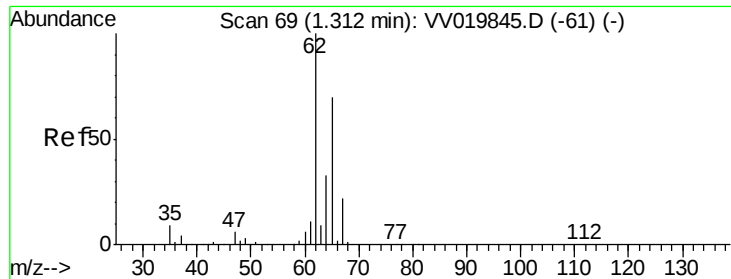
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 52.778 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

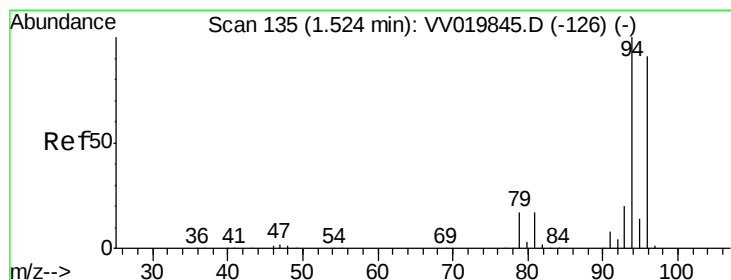
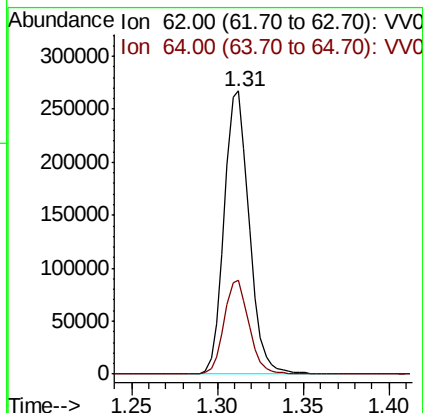
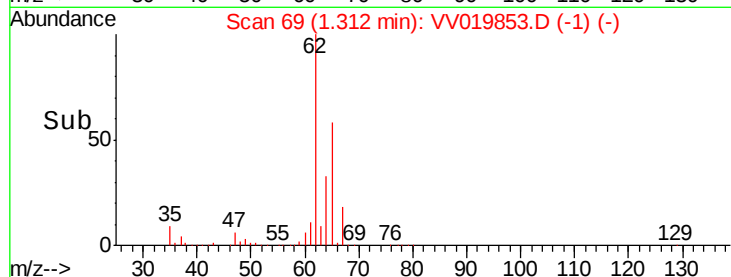
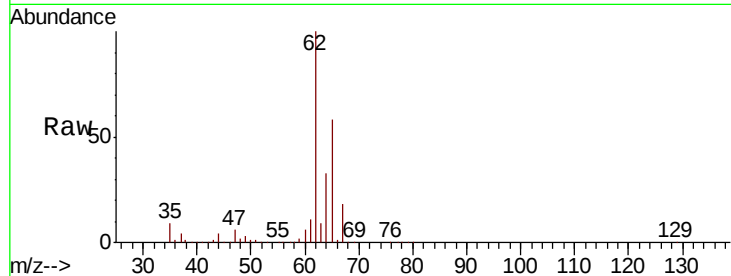
VSTD05075

Tot Ion: 62 Resp: 270684

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.6



#6

Bromomethane

Concen: 54.343 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019853.D

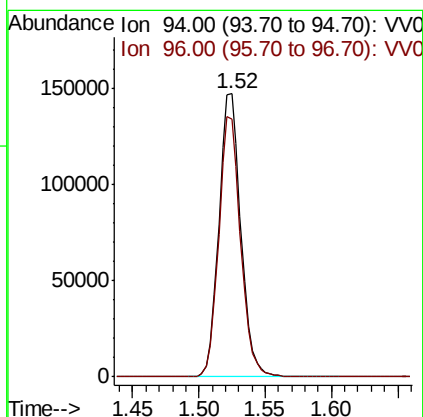
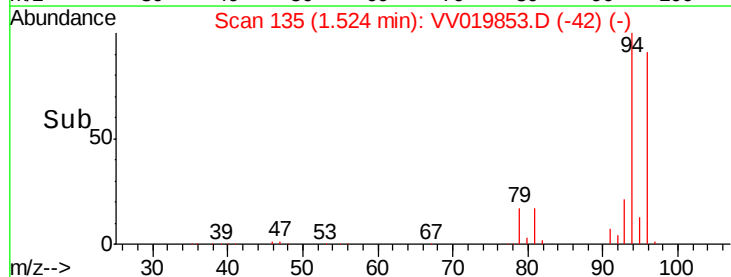
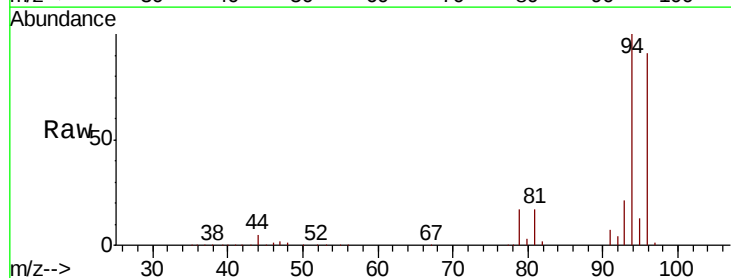
Acq: 28 Dec 2020 16:41

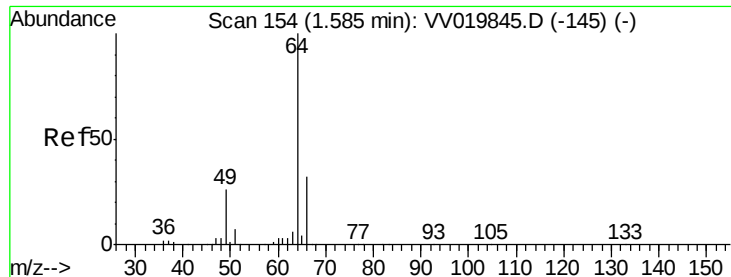
Tgt Ion: 94 Resp: 168844

Ion Ratio Lower Upper

94 100

96 91.0 63.6 118.2

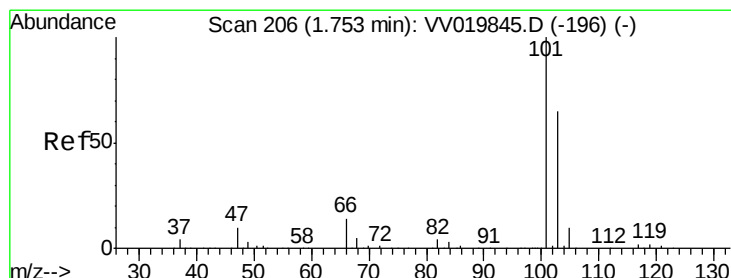
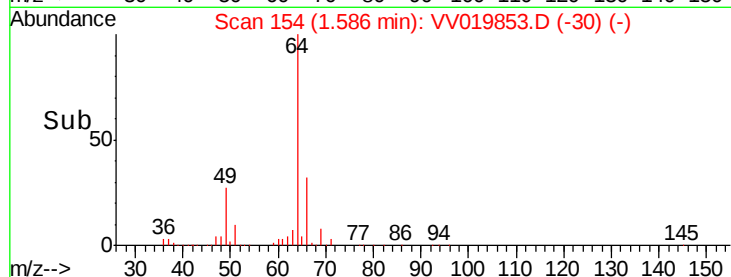
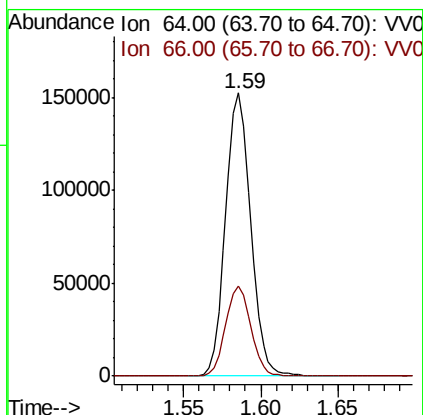
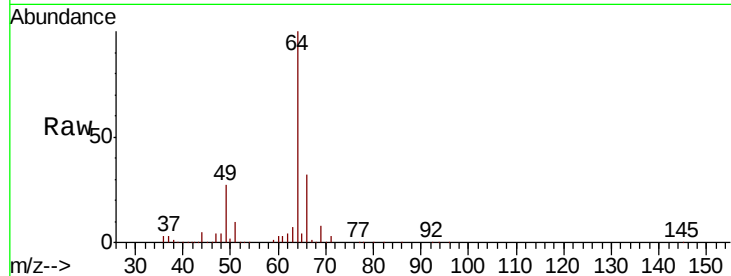




#8
Chloroethane
Concen: 53.798 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

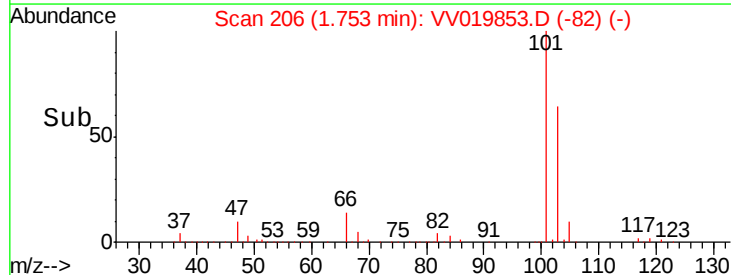
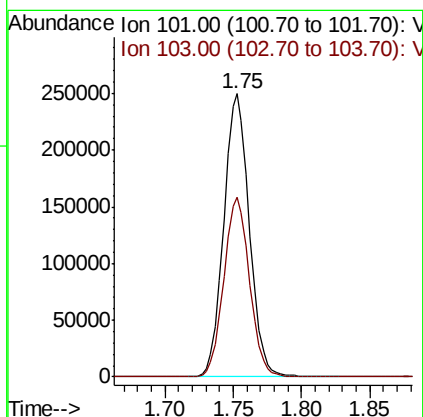
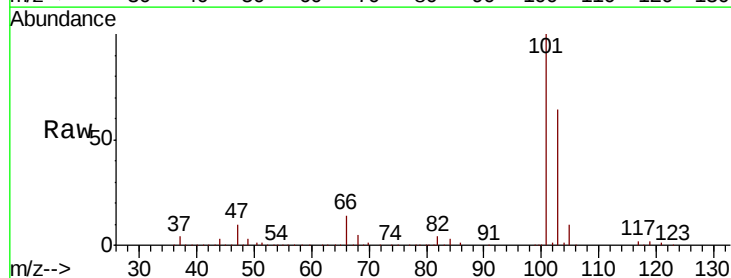
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

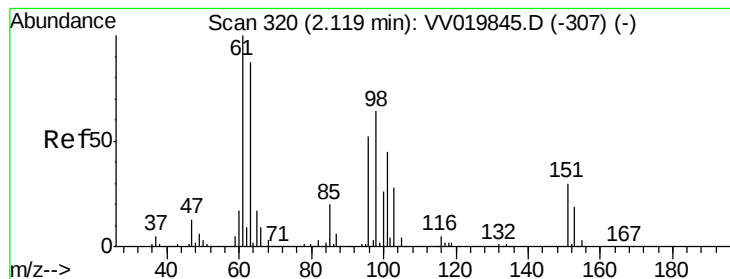
Tot Ion: 64 Resp: 171529
Ion Ratio Lower Upper
64 100
66 31.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 52.174 ug/L
RT: 1.75 min Scan# 206
Delta R.T. 0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

Tgt Ion:101 Resp: 324163
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5





#10

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

Concen: 51.264 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

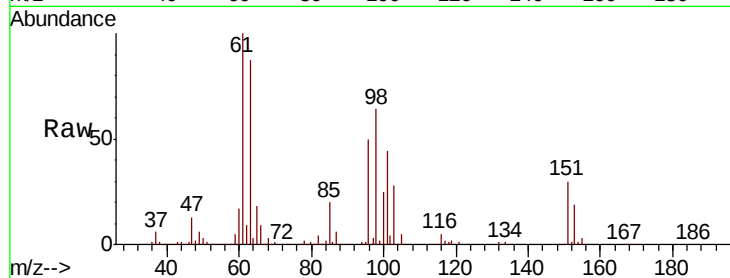
Tot Ion:101 Resp: 179385

Ion Ratio Lower Upper

101 100

85 45.9 35.3 52.9

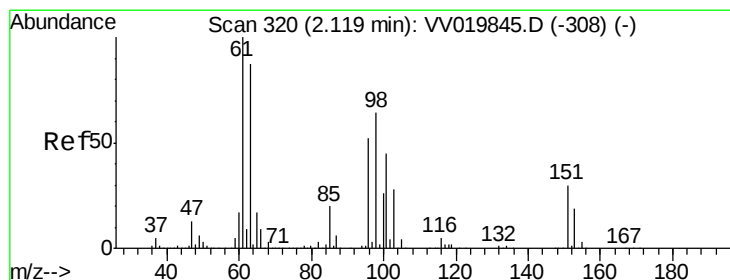
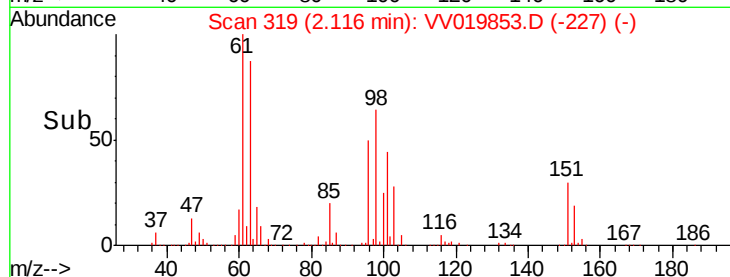
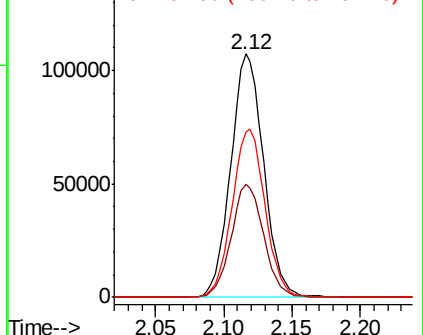
151 69.2 53.6 80.4



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: 51.908 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

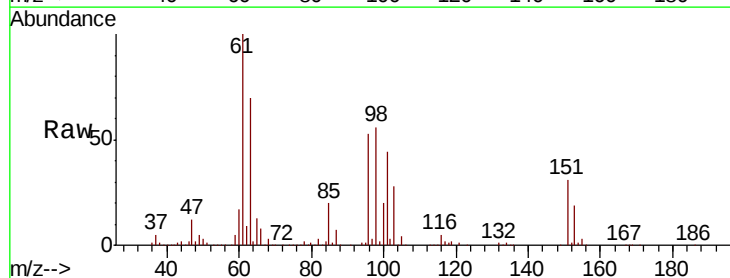
Tgt Ion: 96 Resp: 182261

Ion Ratio Lower Upper

96 100

61 189.3 134.9 250.5

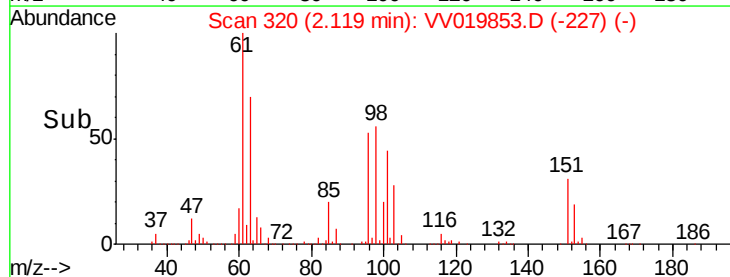
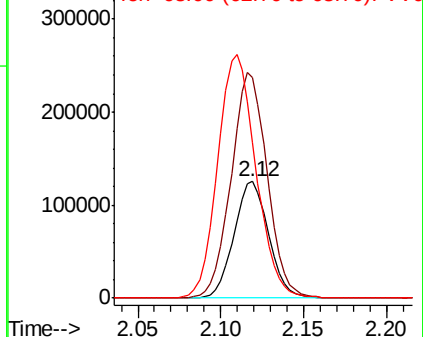
63 133.1 117.6 218.4

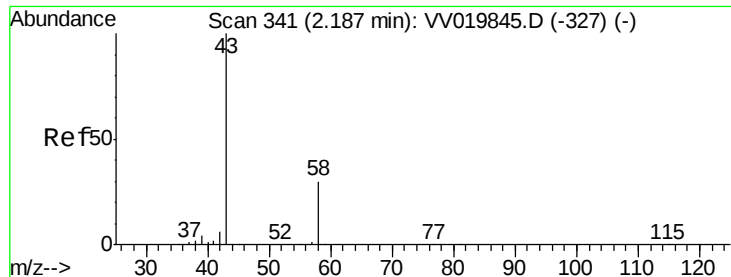


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 101.877 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

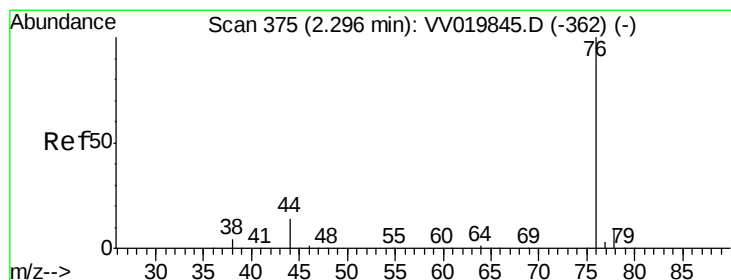
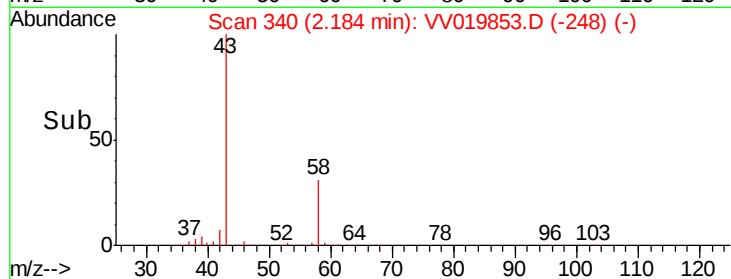
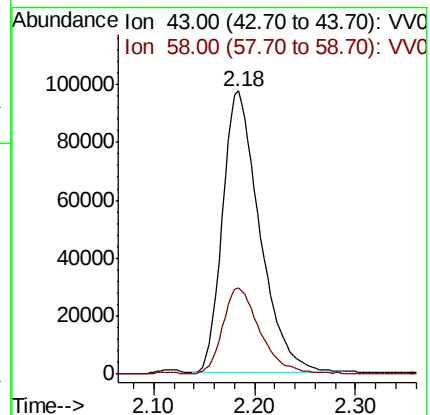
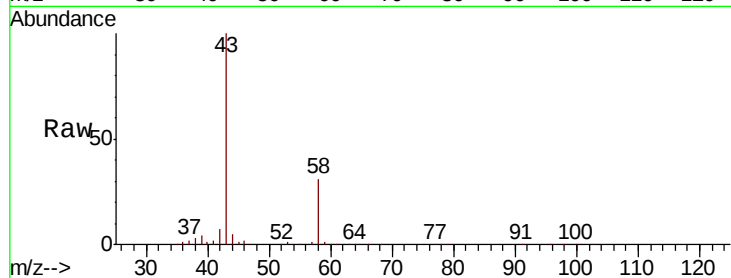
VSTD05075

Tot Ion: 43 Resp: 249768

Ion Ratio Lower Upper

43 100

58 30.3 0.0 60.2



#14

Carbon disulfide

Concen: 50.711 ug/L

RT: 2.29 min Scan# 374

Delta R.T. -0.00 min

Lab File: VV019853.D

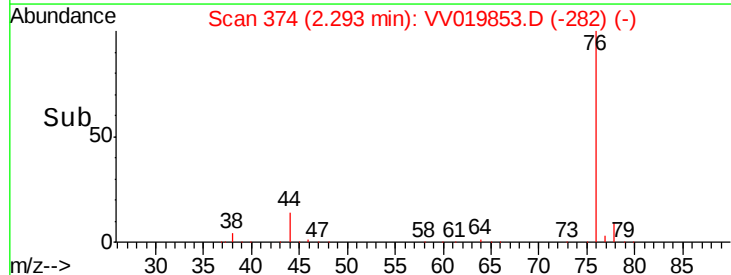
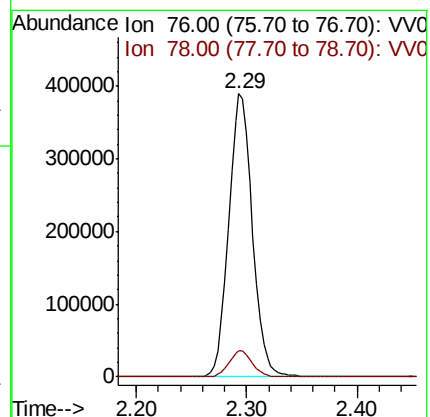
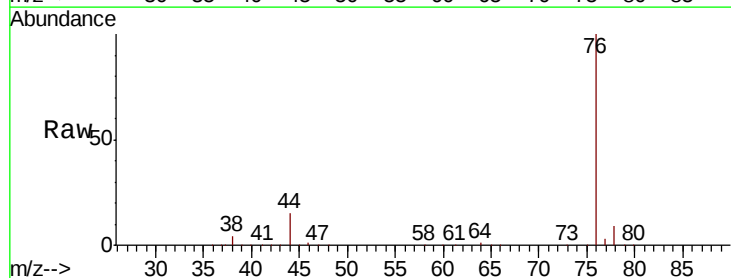
Acq: 28 Dec 2020 16:41

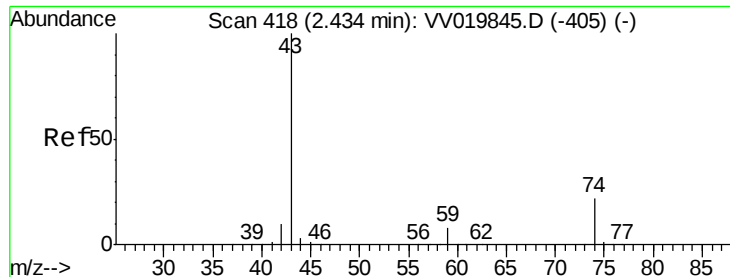
Tgt Ion: 76 Resp: 580068

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

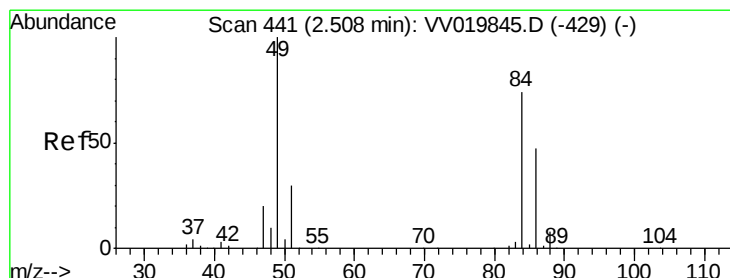
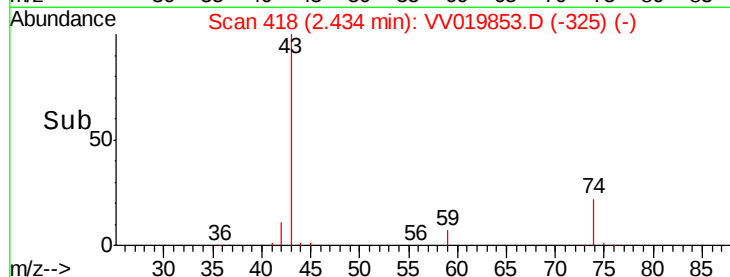
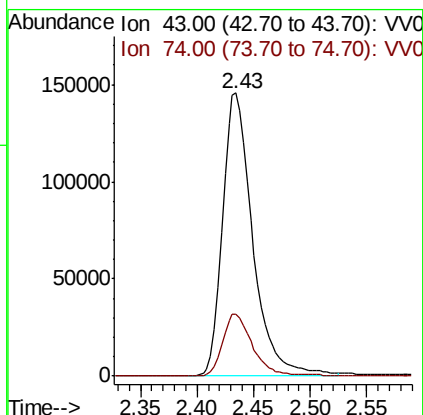
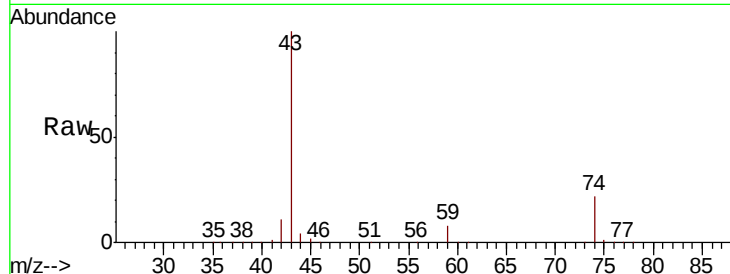




#15
Methvl Acetate
Concen: 53.871 ug/L
RT: 2.43 min Scan# 418
Delta R.T. 0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

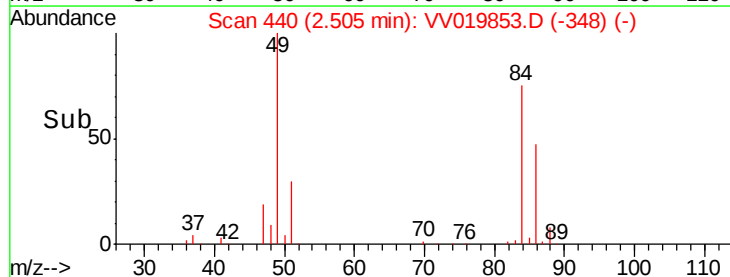
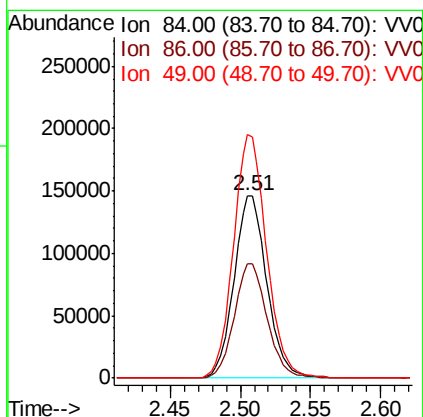
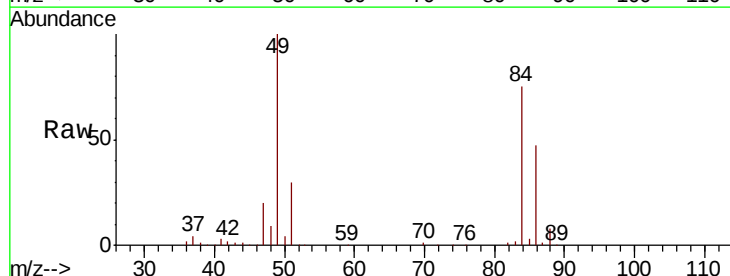
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

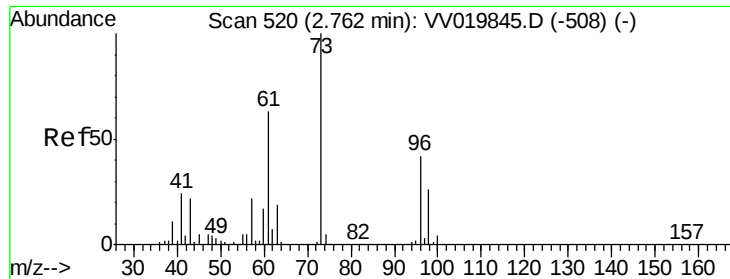
Tot Ion: 43 Resp: 268351
Ion Ratio Lower Upper
43 100
74 21.8 17.6 26.4



#16
Methylene chloride
Concen: 54.014 ug/L
RT: 2.51 min Scan# 440
Delta R.T. -0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

Tgt Ion: 84 Resp: 238195
Ion Ratio Lower Upper
84 100
86 62.9 44.6 82.8
49 133.3 94.6 175.8

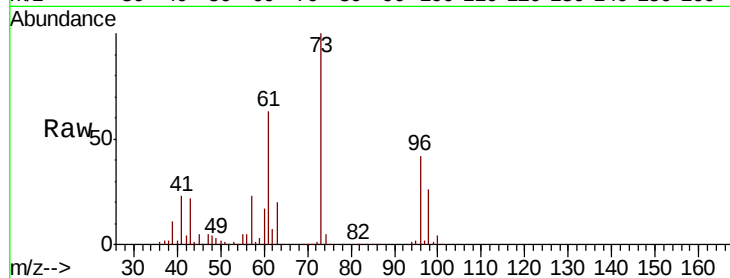




#17
trans-1,2-Dichloroethene
Concen: 52.925 ug/L
RT: 2.76 min Scan# 519
Delta R.T. -0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	103.1	191.5
98	62.8	43.1	80.1

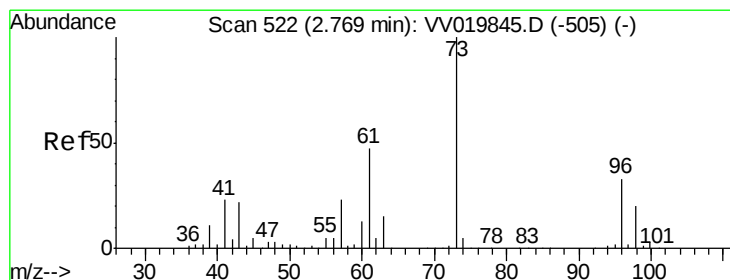
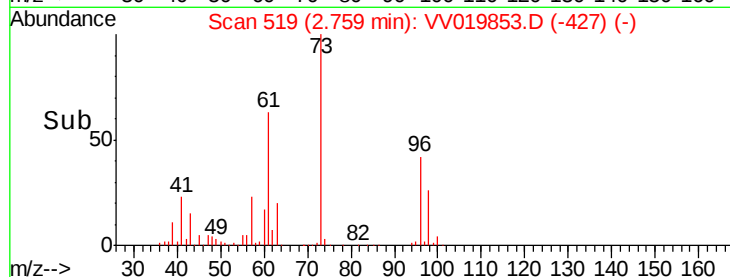
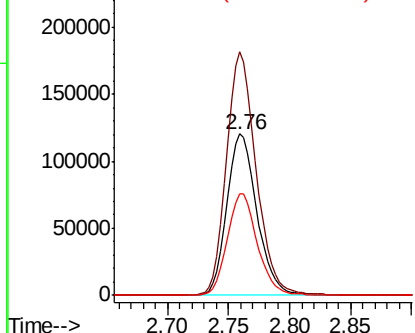


Abundance

Ion 96.00 (95.70 to 96.70): VV0

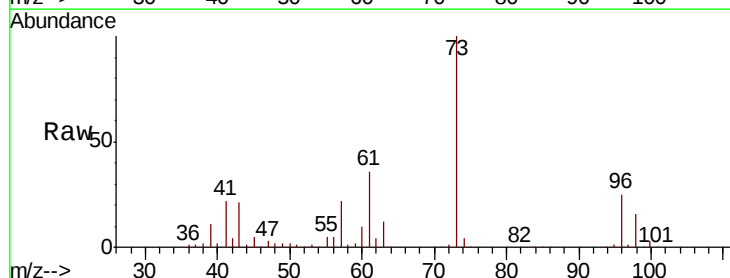
Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18
Methyl tert-butyl Ether
Concen: 55.145 ug/L
RT: 2.77 min Scan# 522
Delta R.T. 0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.3	25.9
57	22.6	17.9	26.9

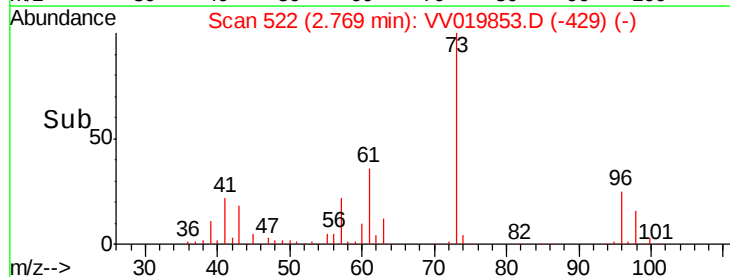
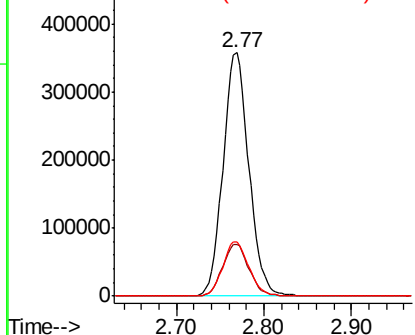


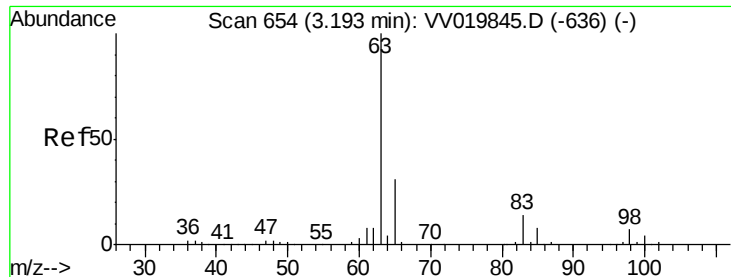
Abundance

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

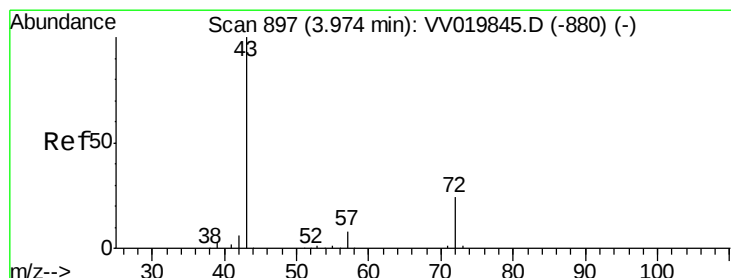
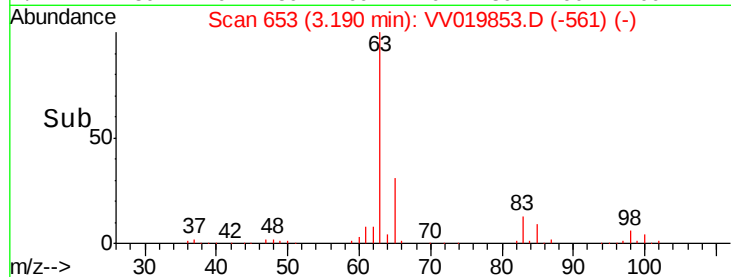
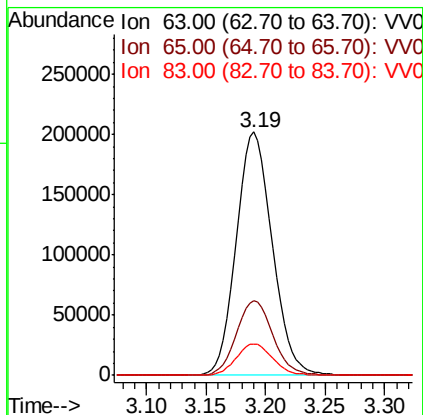
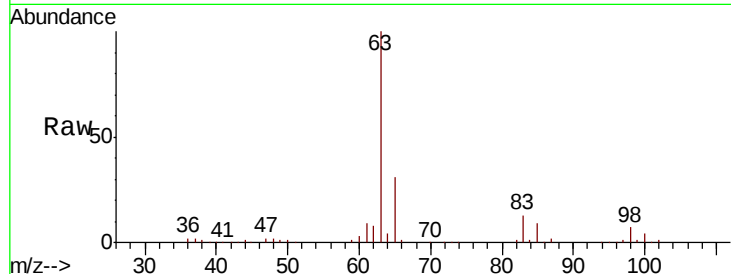




#19
 1,1-Dichloroethane
 Concen: 53.565 ug/L
 RT: 3.19 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

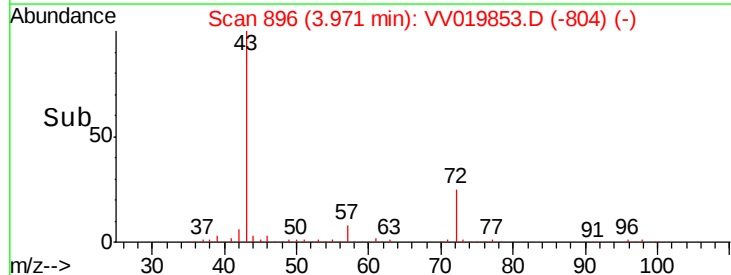
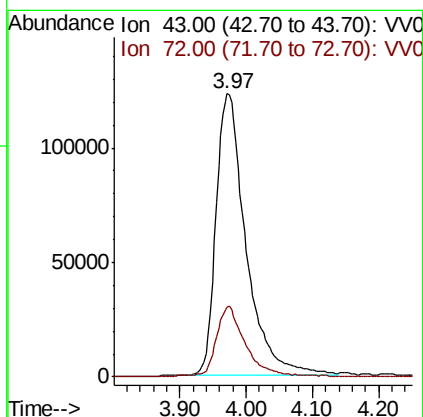
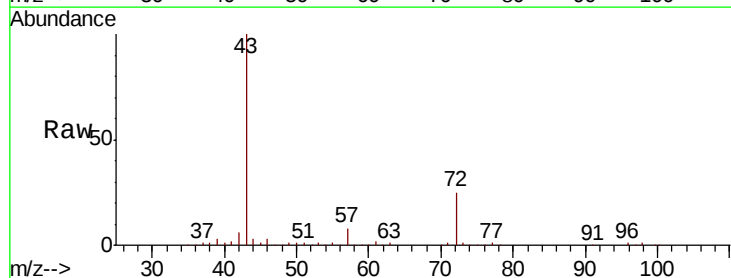
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

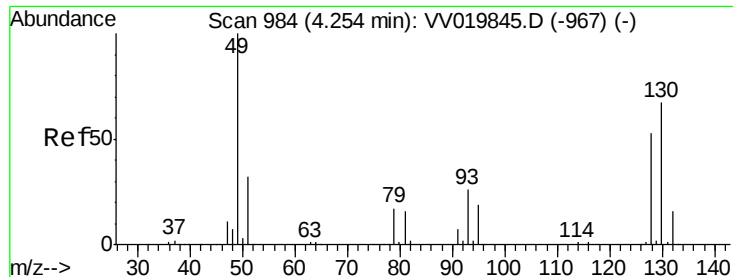
Tot Ion: 63 Resp: 424634
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.9 40.7
 83 12.9 9.5 17.7



#22
 2-Butanone
 Concen: 111.920 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

Tgt Ion: 43 Resp: 385237
 Ion Ratio Lower Upper
 43 100
 72 22.7 12.2 36.6





#23

Bromochloromethane

Concen: 54.250 ug/L

RT: 4.25 min Scan# 982

Delta R.T. -0.01 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

Tot Ion:128 Resp: 115212

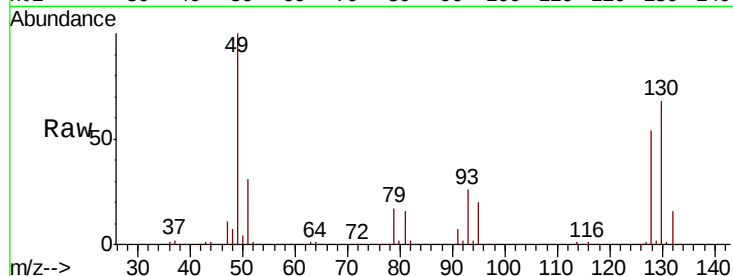
Ion Ratio Lower Upper

128 100

49 184.9 133.1 247.1

130 125.4 89.0 165.4

51 57.8 49.3 73.9

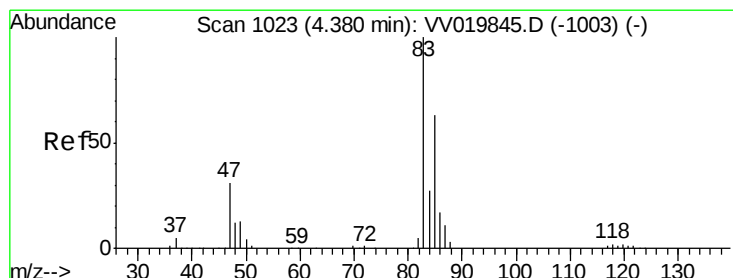
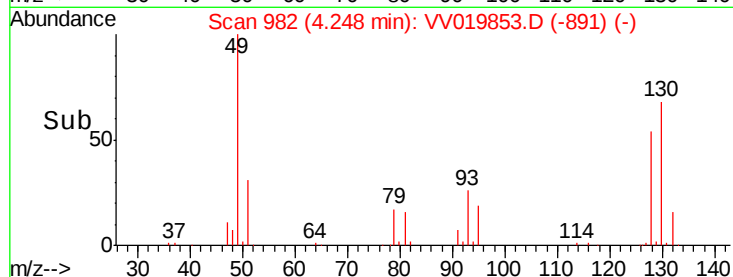
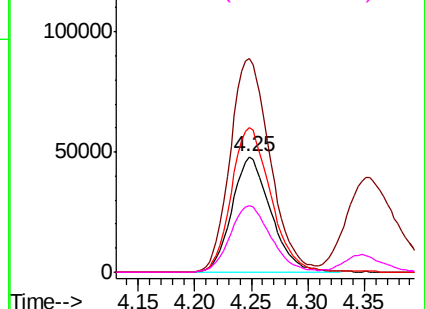


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 54.146 ug/L

RT: 4.38 min Scan# 1022

Delta R.T. -0.00 min

Lab File: VV019853.D

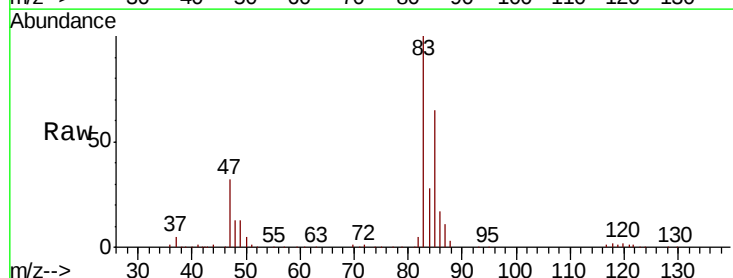
Acq: 28 Dec 2020 16:41

Tgt Ion: 83 Resp: 423442

Ion Ratio Lower Upper

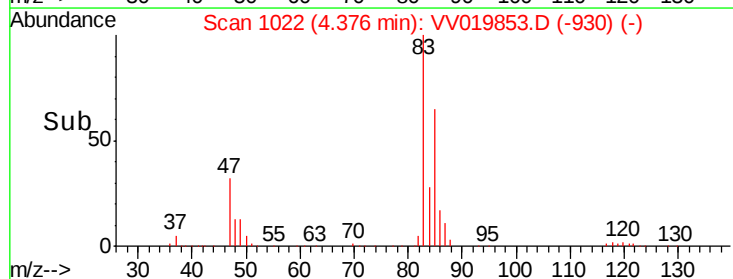
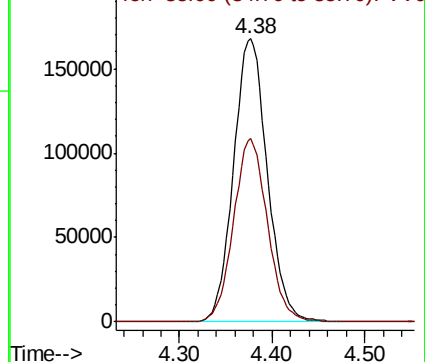
83 100

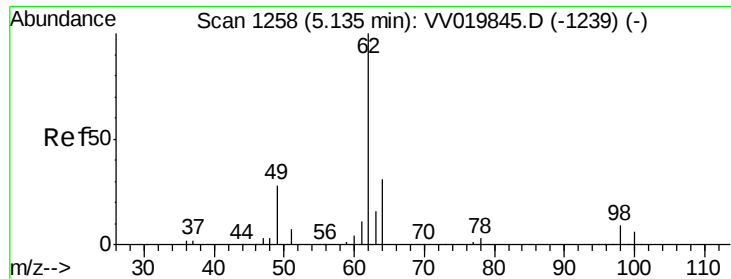
85 64.7 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

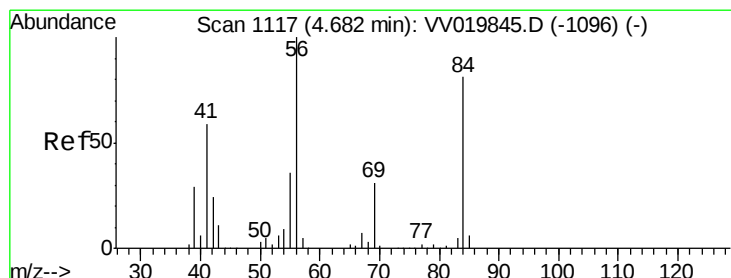
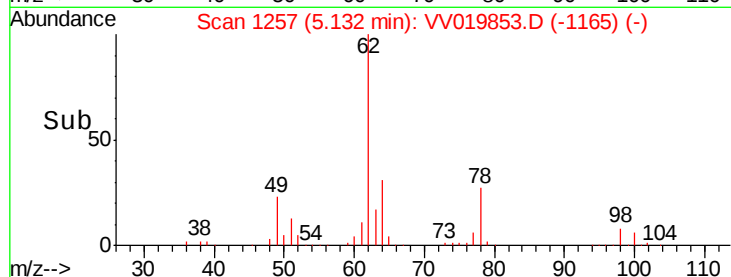
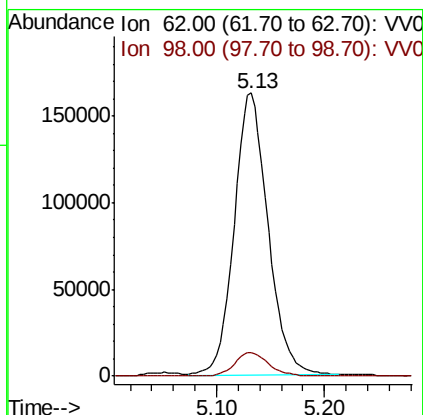
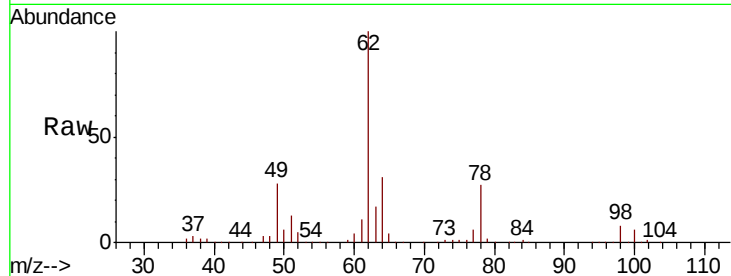




#27
 1,2-Dichloroethane
 Concen: 55.191 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

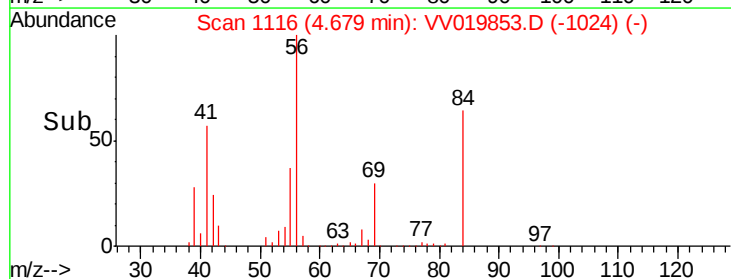
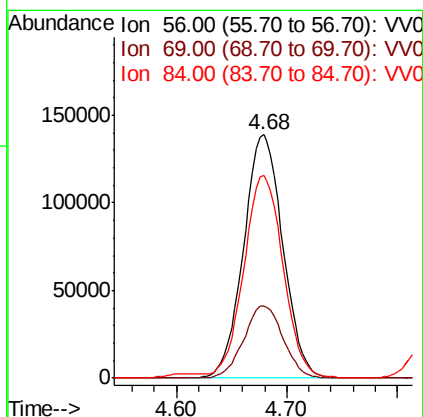
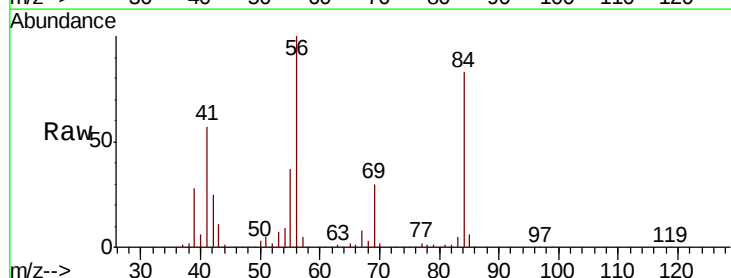
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

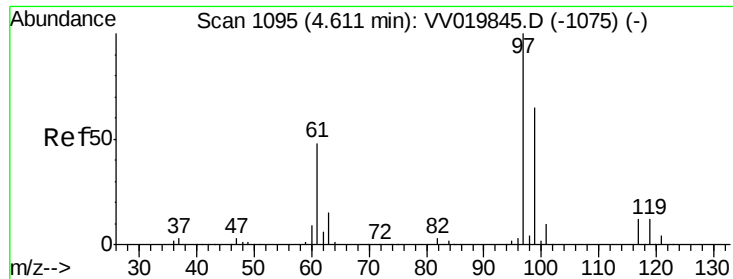
Tot Ion: 62 Resp: 355850
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.9 10.3



#29
 Cyclohexane
 Concen: 51.056 ug/L
 RT: 4.68 min Scan# 1116
 Delta R.T. -0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

Tgt Ion: 56 Resp: 342660
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.2 36.2
 84 83.4 66.3 99.5

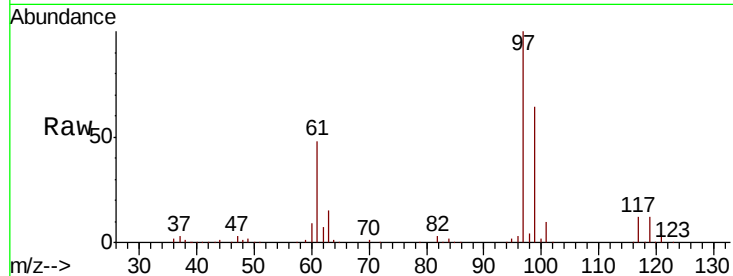




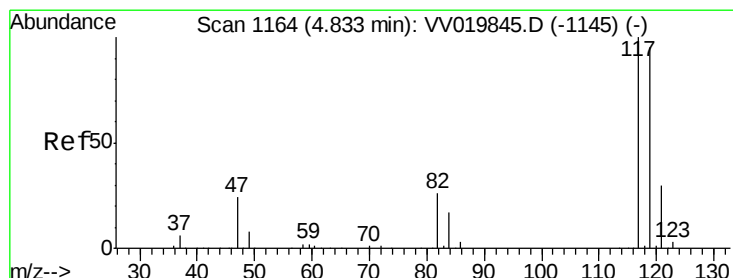
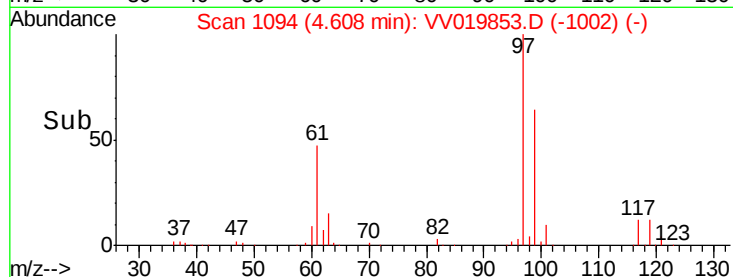
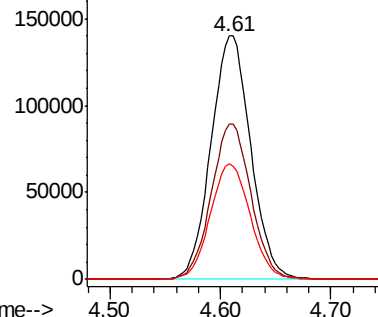
#30
 1,1,1-Trichloroethane
 Concen: 52.036 ug/L
 RT: 4.61 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tot Ion: 97 Resp: 349228
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.2 76.8
 61 47.6 38.5 57.7

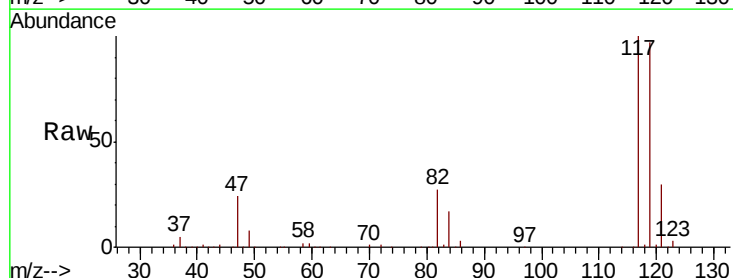


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

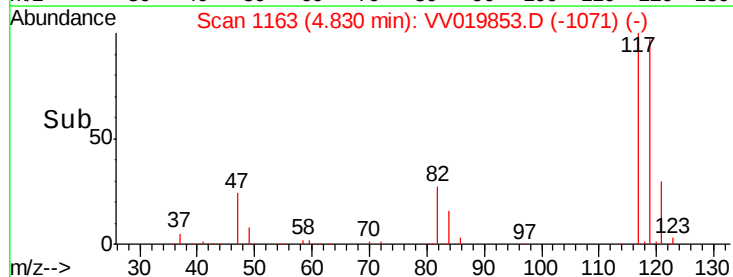
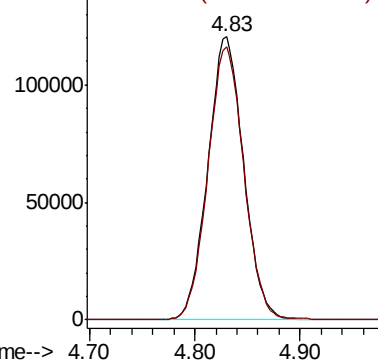


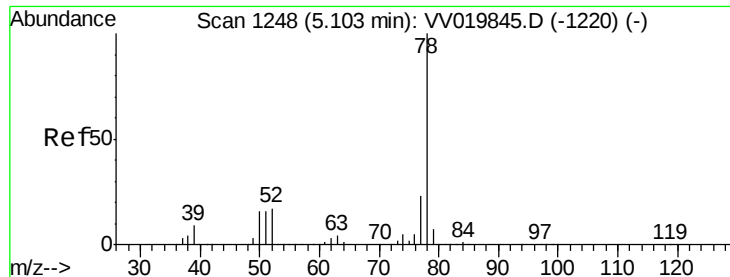
#31
 Carbon tetrachloride
 Concen: 51.361 ug/L
 RT: 4.83 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

Tgt Ion: 117 Resp: 283657
 Ion Ratio Lower Upper
 117 100
 119 97.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 53.988 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

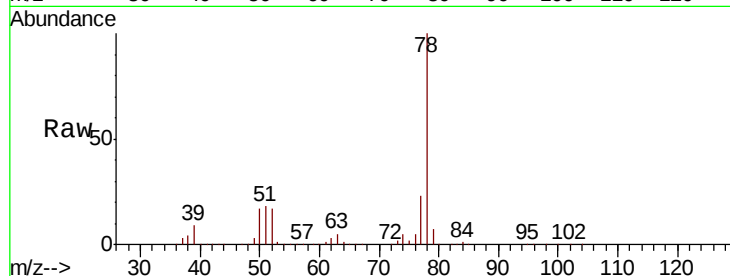
Instrument :

MSVOA_V

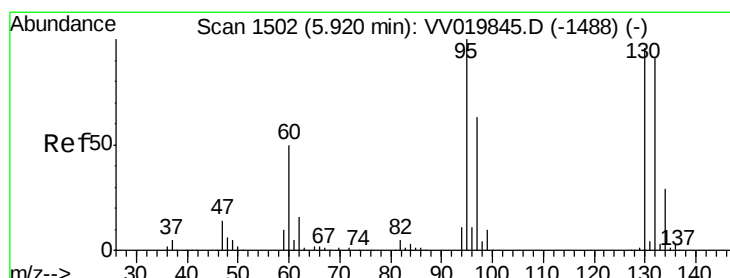
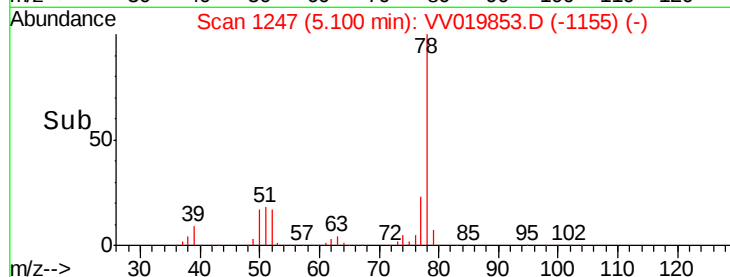
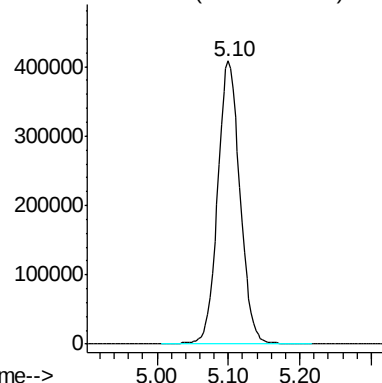
ClientSampleId :

VSTD05075

Tgt Ion: 78 Resp: 890132



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 52.010 ug/L

RT: 5.91 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Tgt Ion: 95 Resp: 227489

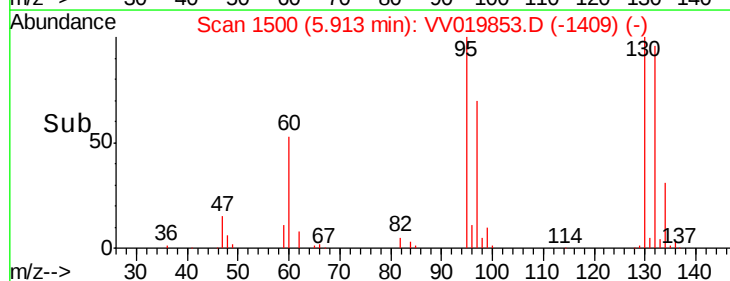
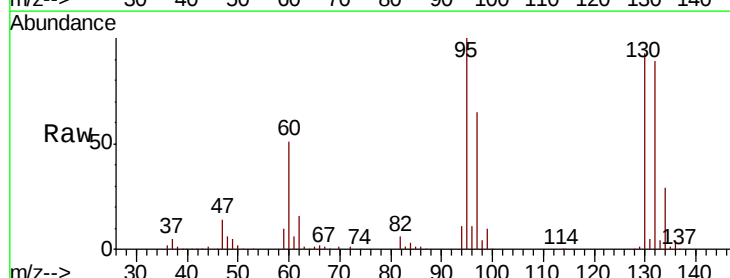
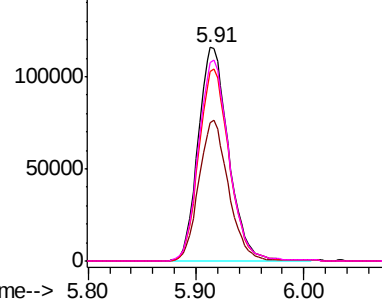
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.5	82.7
132	88.8	63.4	117.8
130	93.0	67.1	124.5

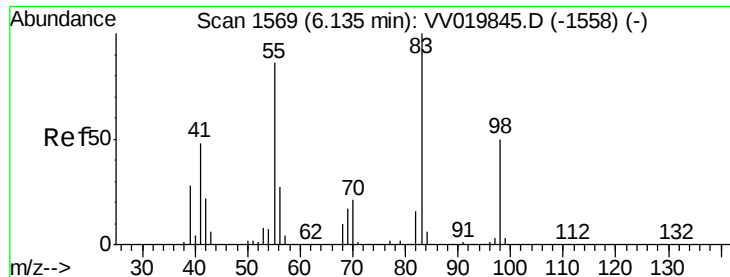
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

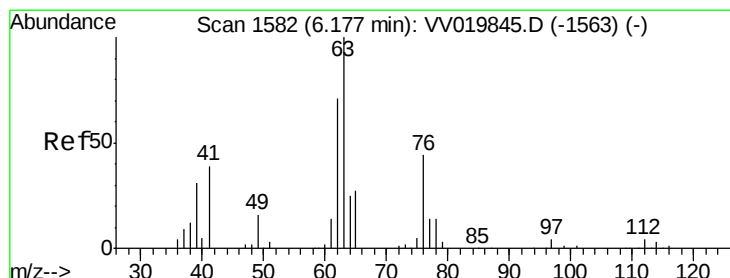
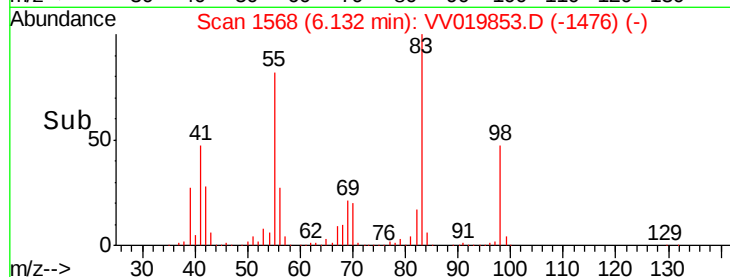
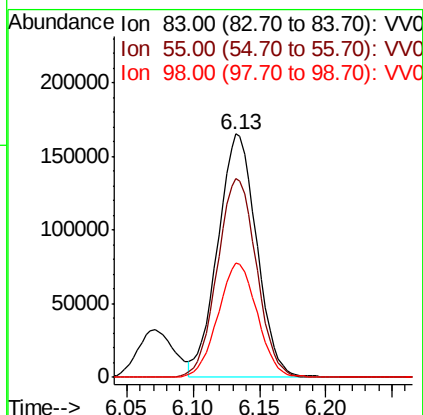
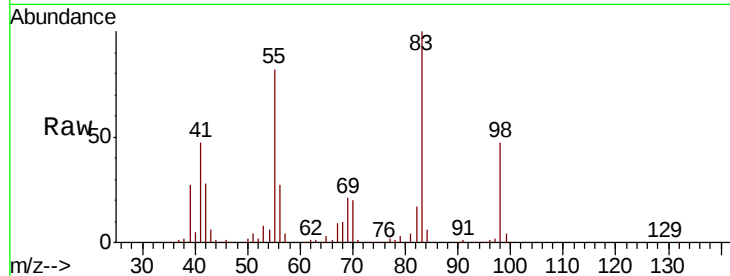




#35
Methylcyclohexane
Concen: 51.319 ug/L
RT: 6.13 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

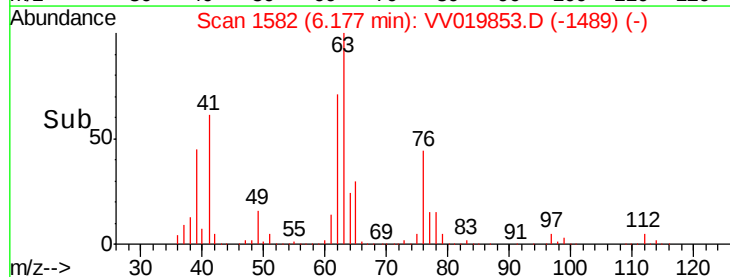
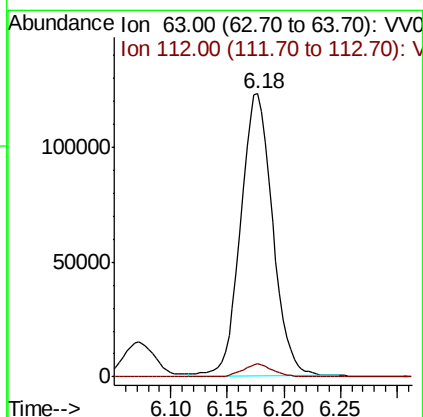
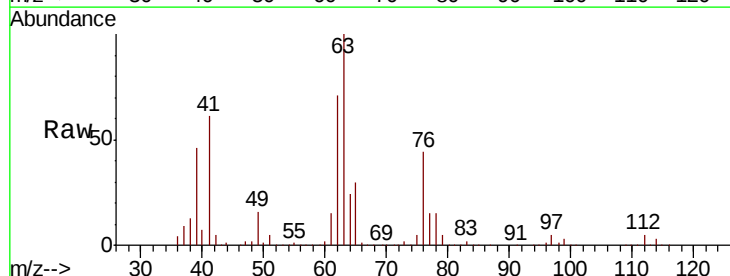
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

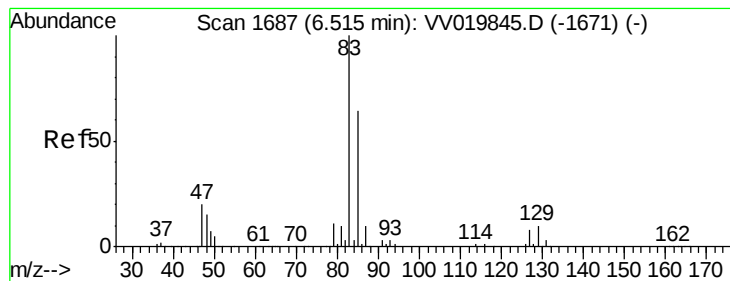
Tot Ion: 83 Resp: 336632
Ion Ratio Lower Upper
83 100
55 82.0 65.1 97.7
98 47.3 38.2 57.2



#37
1,2-Dichloropropane
Concen: 54.696 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

Tgt Ion: 63 Resp: 242171
Ion Ratio Lower Upper
63 100
112 4.3 3.3 4.9





#38

Bromodichloromethane

Concen: 54.438 ug/L

RT: 6.51 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

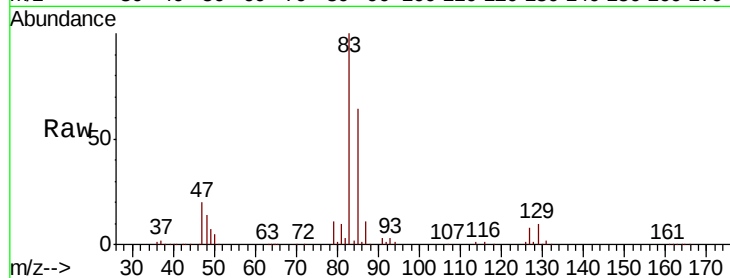
Tot Ion: 83 Resp: 315115

Ion Ratio Lower Upper

83 100

85 63.7 44.5 82.7

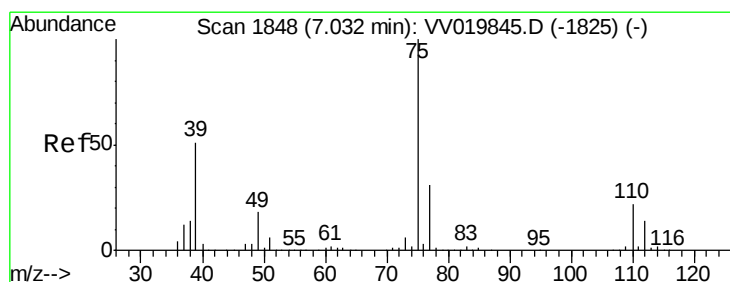
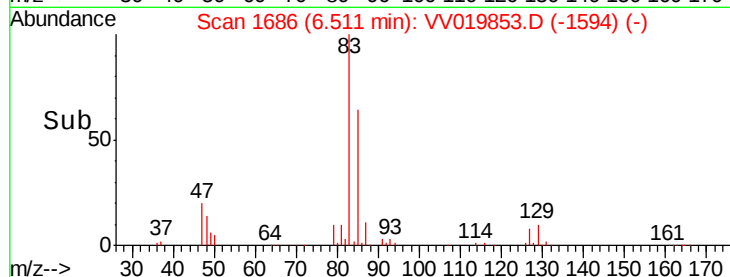
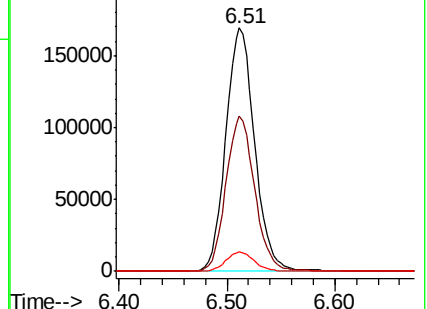
127 8.0 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 51.868 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VV019853.D

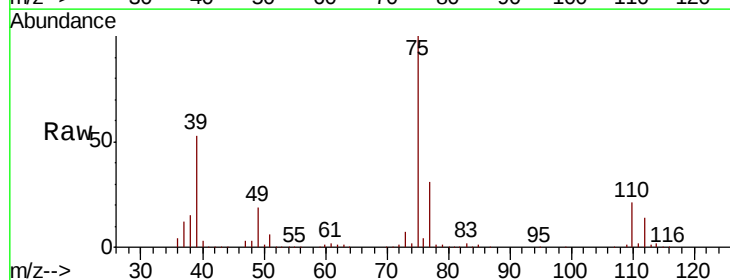
Acq: 28 Dec 2020 16:41

Tgt Ion: 75 Resp: 353736

Ion Ratio Lower Upper

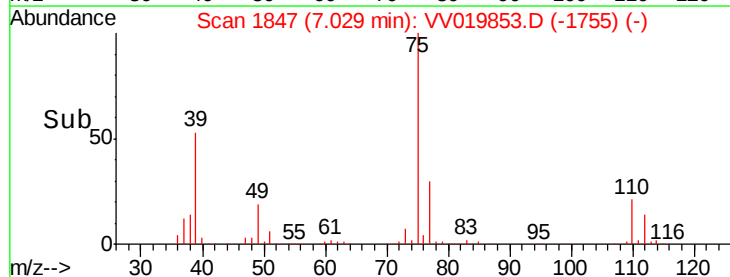
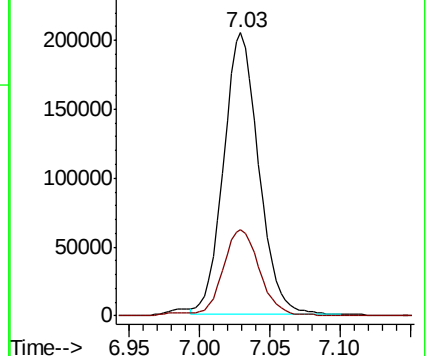
75 100

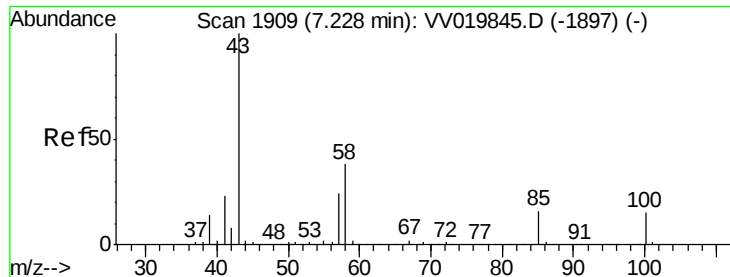
77 30.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

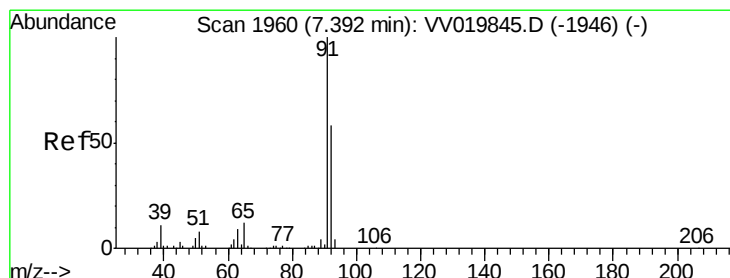
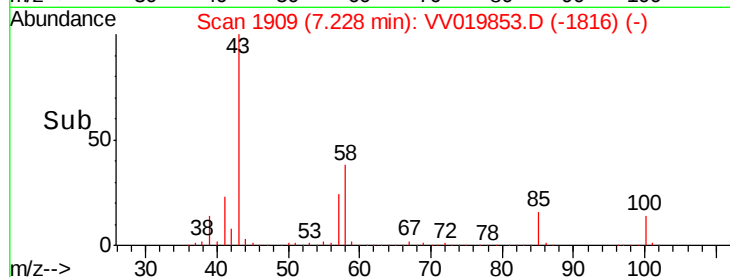
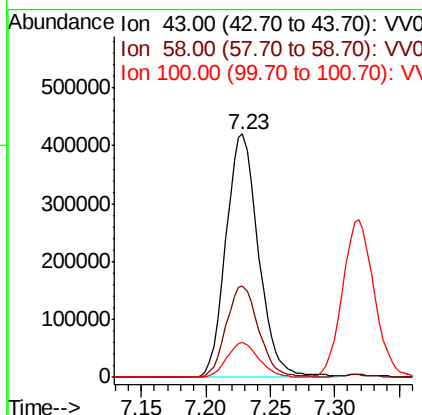
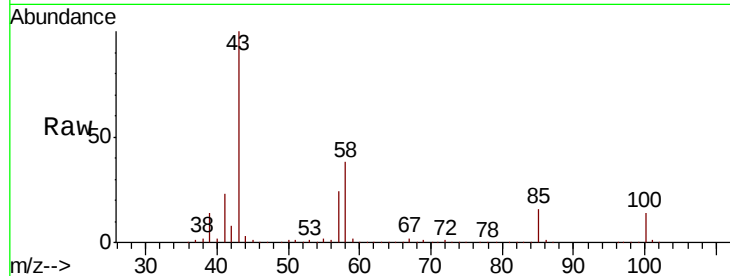




#40
4-Methyl-2-pentanone
Concen: 111.417 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

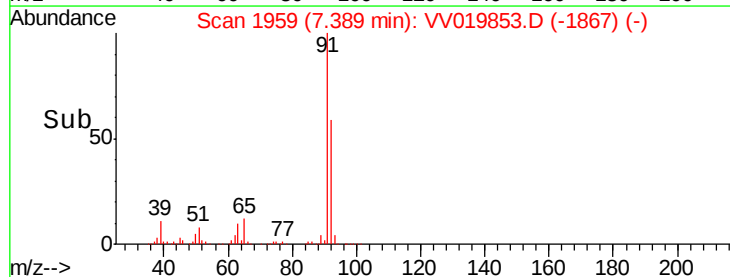
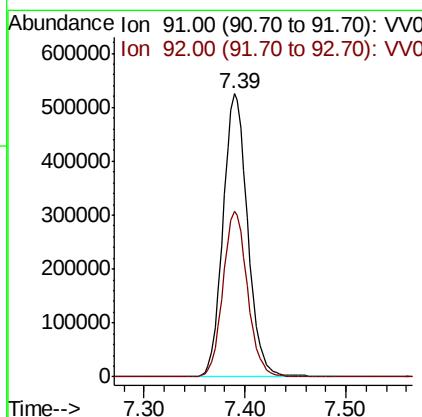
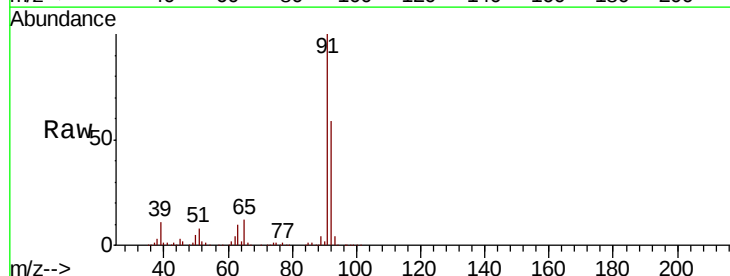
Instrument :
MSVOA_V
ClientSampleID :
VSTD05075

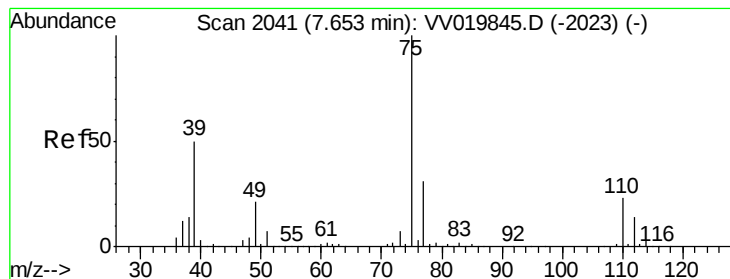
Tot Ion: 43 Resp: 738665
Ion Ratio Lower Upper
43 100
58 37.6 30.7 46.1
100 14.1 11.6 17.4



#42
Toluene
Concen: 53.037 ug/L
RT: 7.39 min Scan# 1959
Delta R.T. -0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

Tgt Ion: 91 Resp: 895728
Ion Ratio Lower Upper
91 100
92 58.6 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 53.772 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

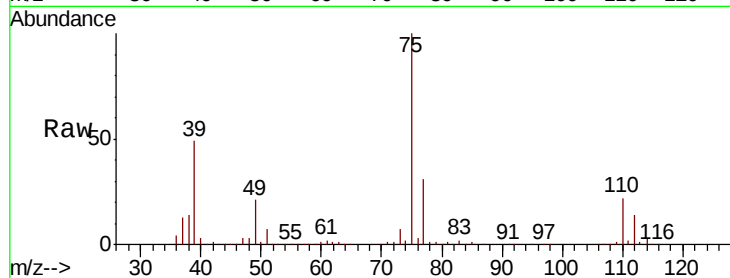
VSTD05075

Tot Ion: 75 Resp: 357680

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV019845.D (-2023) (-)

Ion 77.00 (76.70 to 77.70): VV019845.D (-2023) (-)

7.65

200000

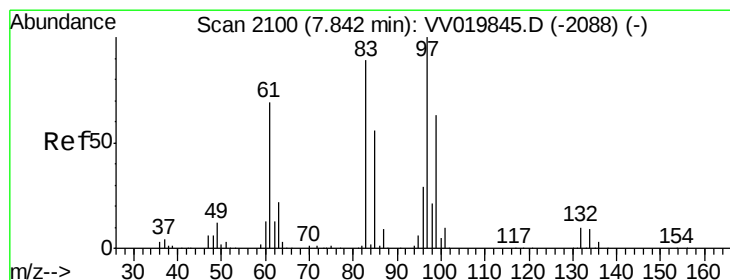
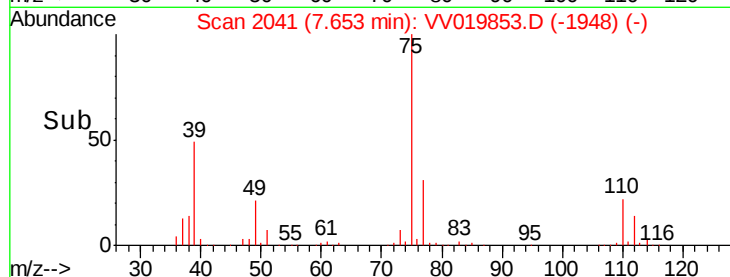
150000

100000

50000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 54.376 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Tgt Ion: 97 Resp: 220840

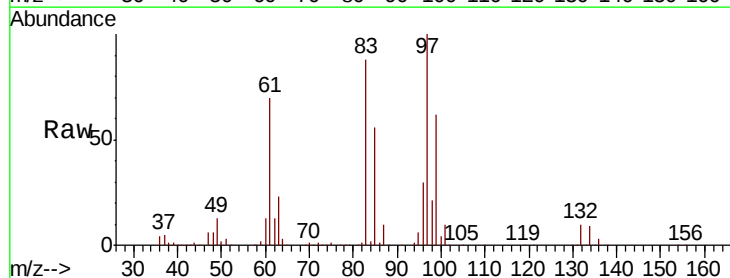
Ion Ratio Lower Upper

97 100

99 62.4 43.8 81.3

83 87.7 62.2 115.4

85 55.7 39.0 72.4



Abundance Ion 97.00 (96.70 to 97.70): VV019845.D (-2088) (-)

Ion 99.00 (98.70 to 99.70): VV019845.D (-2088) (-)

Ion 83.00 (82.70 to 83.70): VV019845.D (-2088) (-)

Ion 85.00 (84.70 to 85.70): VV019845.D (-2088) (-)

200000

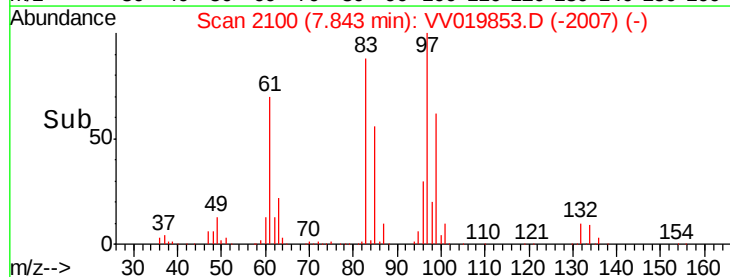
150000

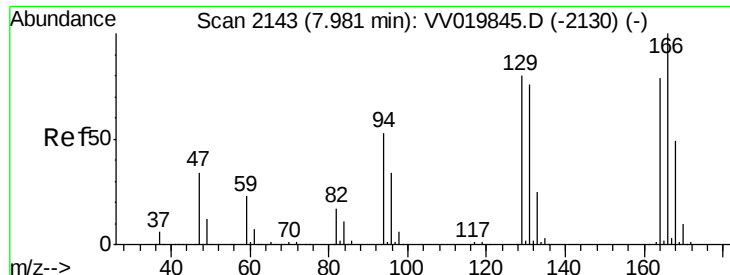
100000

50000

0

Time-->





#46

Tetrachloroethene

Concen: 49.992 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

Tot Ion:164 Resp: 146028

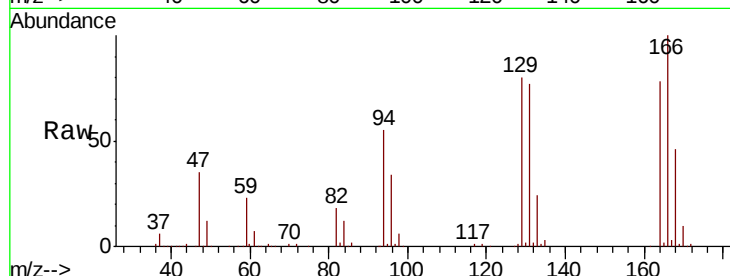
Ion Ratio Lower Upper

164 100

129 102.7 70.6 131.0

131 99.4 66.8 124.0

166 128.8 88.2 163.8

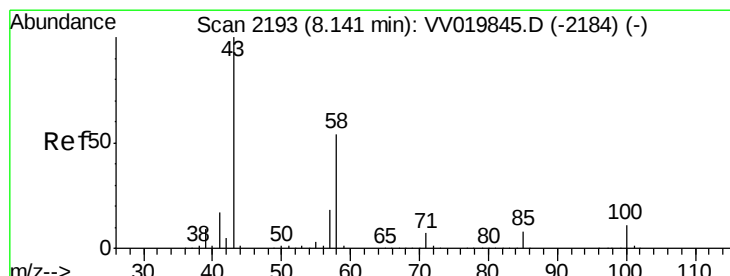
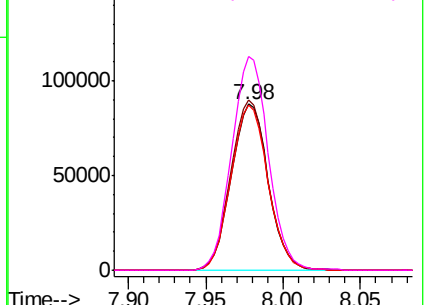
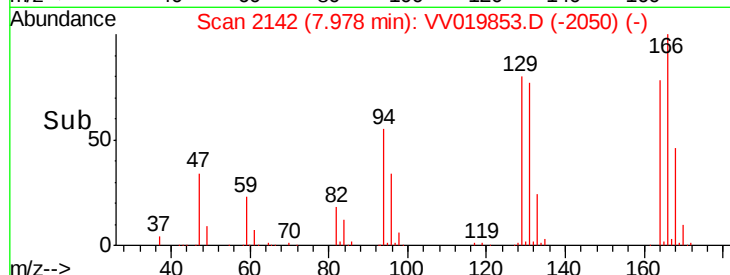


Abundance Ion 164.00 (163.70 to 164.70): V

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: 109.541 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Tgt Ion: 43 Resp: 561469

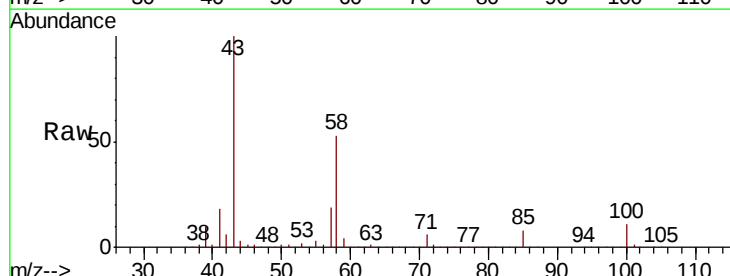
Ion Ratio Lower Upper

43 100

58 52.5 41.8 62.6

57 18.7 15.0 22.4

100 11.2 8.9 13.3

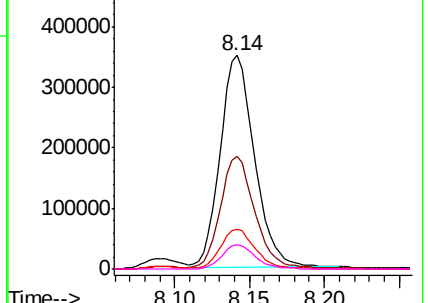
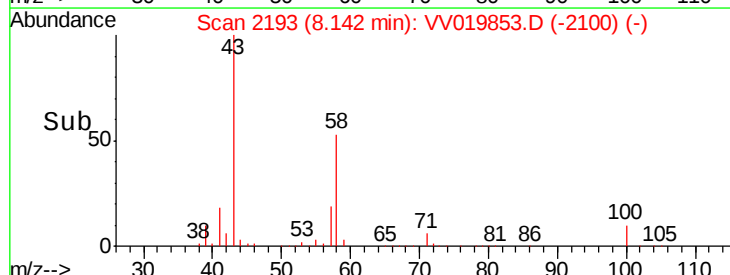


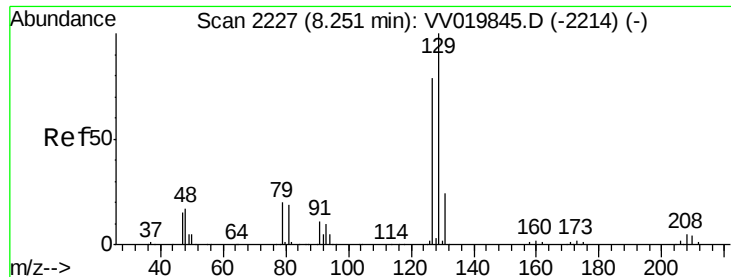
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 54.512 ug/L

RT: 8.25 min Scan# 2227

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

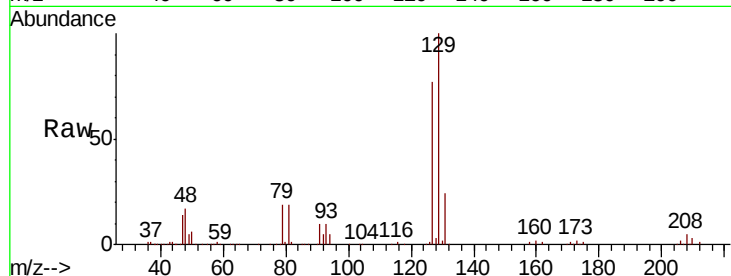
VSTD05075

Tot Ion:129 Resp: 228926

Ion Ratio Lower Upper

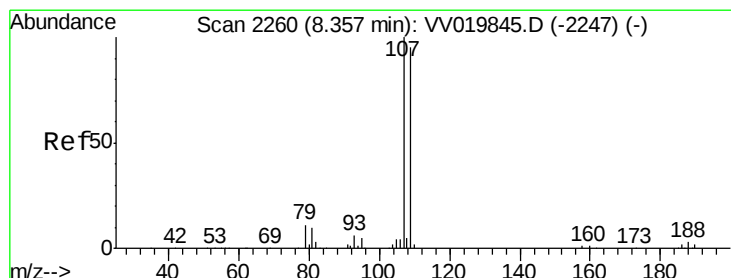
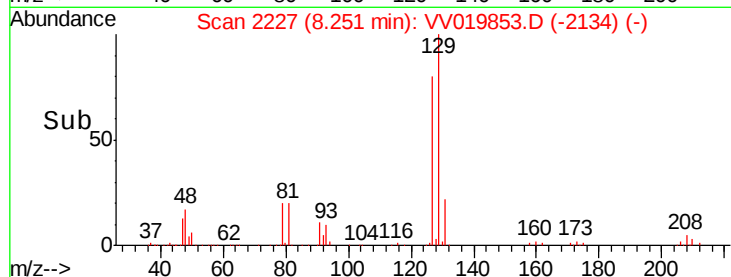
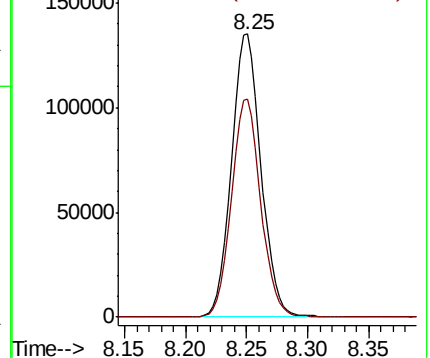
129 100

127 77.1 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 54.204 ug/L

RT: 8.35 min Scan# 2259

Delta R.T. -0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

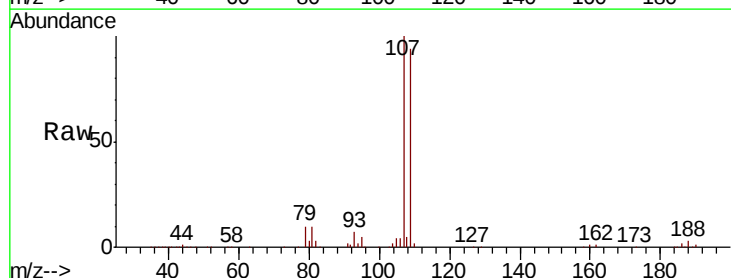
Tgt Ion:107 Resp: 231044

Ion Ratio Lower Upper

107 100

109 94.1 66.2 123.0

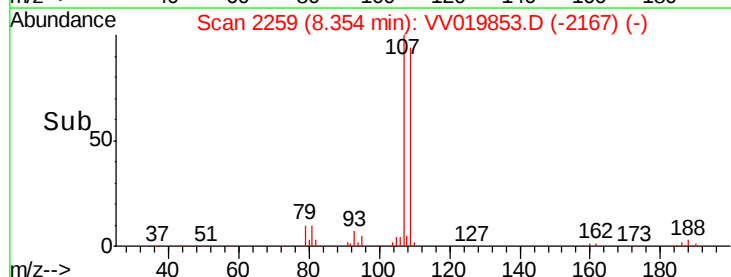
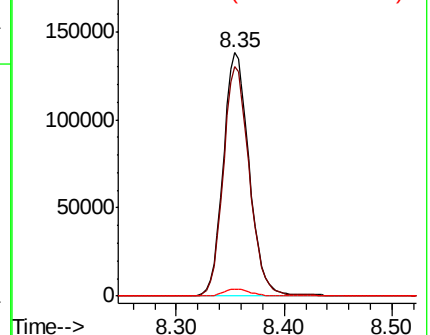
188 3.0 2.6 3.8

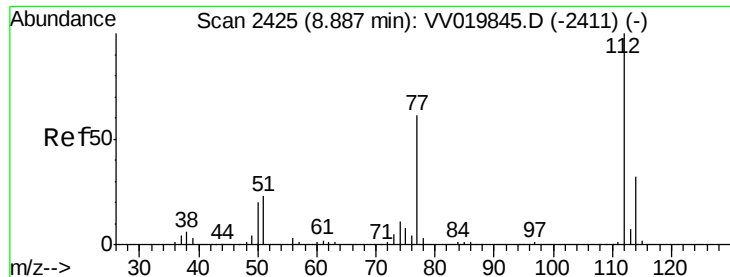


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

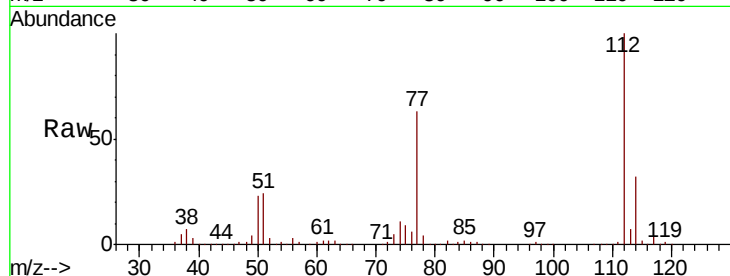




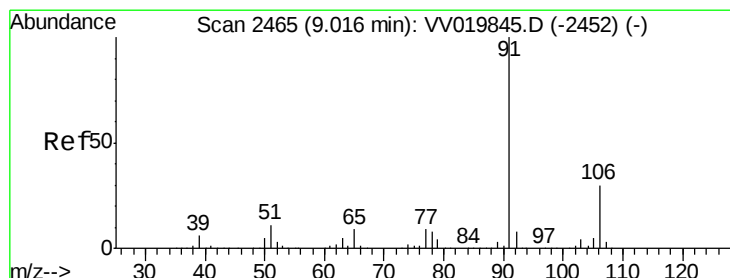
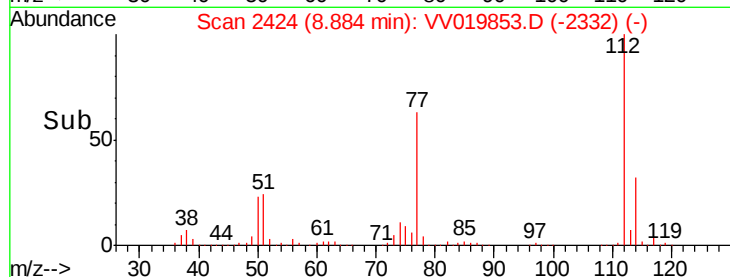
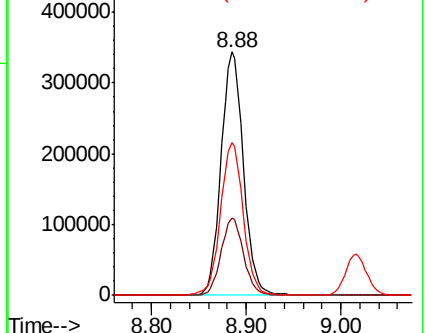
#51
Chlorobenzene
Concen: 52.470 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Tot Ion:112 Resp: 565082
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 62.8 49.0 73.6

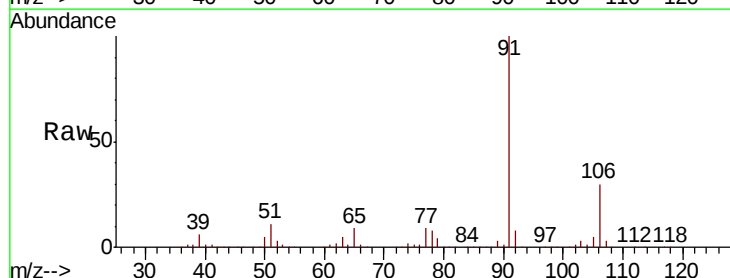


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

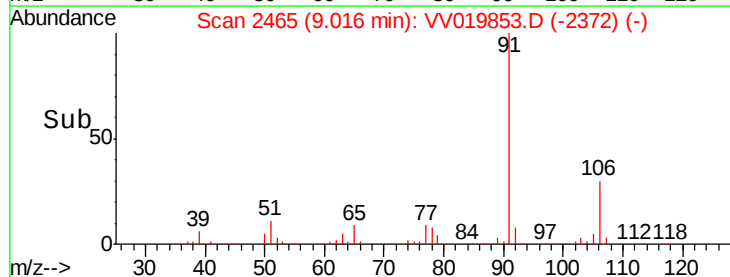
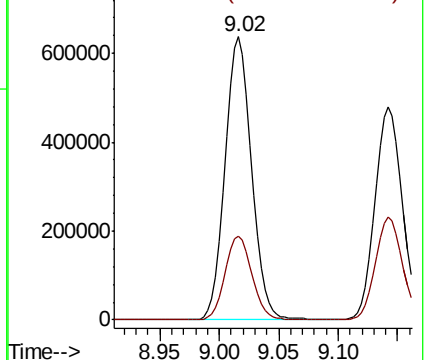


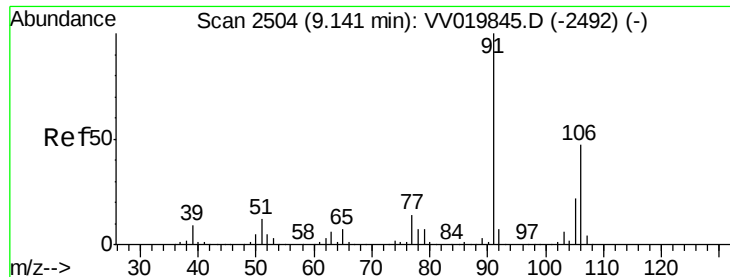
#52
Ethylbenzene
Concen: 51.863 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VV019853.D
Acq: 28 Dec 2020 16:41

Tgt Ion: 91 Resp: 985641
Ion Ratio Lower Upper
91 100
106 29.8 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 52.553 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

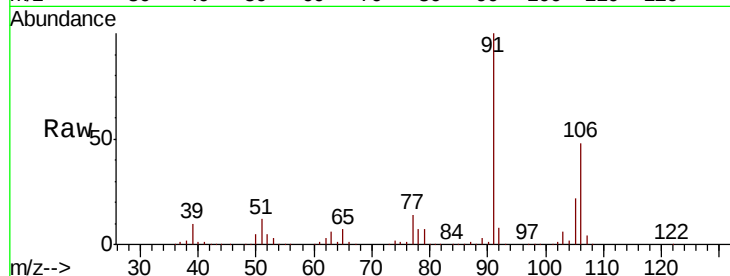
VSTD05075

Tot Ion:106 Resp: 363778

Ion Ratio Lower Upper

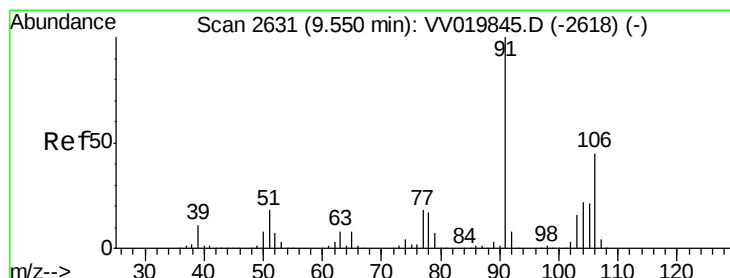
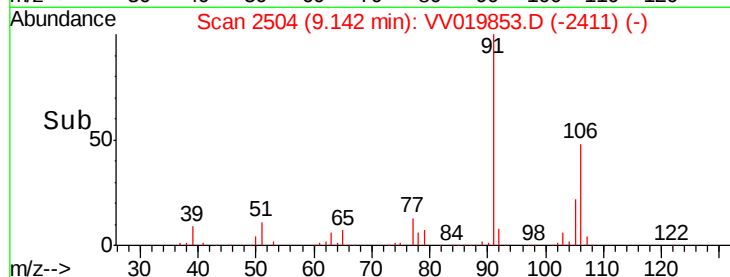
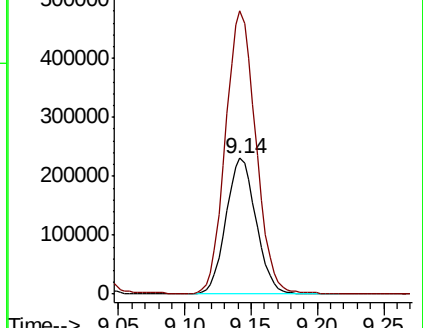
106 100

91 208.0 148.1 275.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 52.809 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VV019853.D

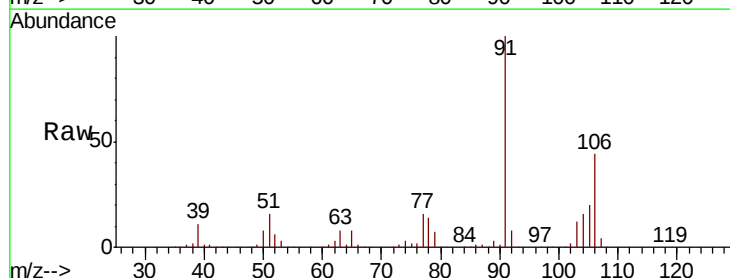
Acq: 28 Dec 2020 16:41

Tgt Ion:106 Resp: 357381

Ion Ratio Lower Upper

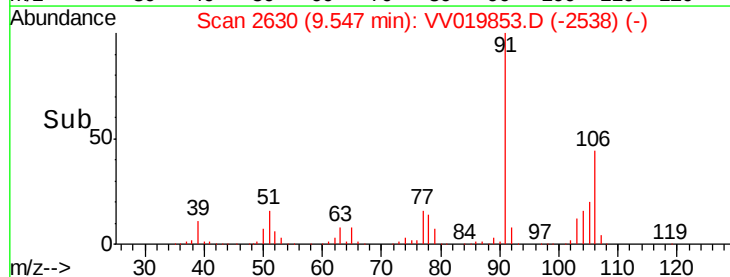
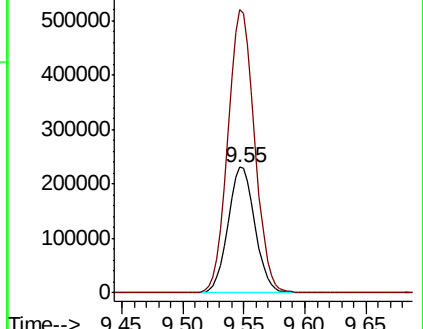
106 100

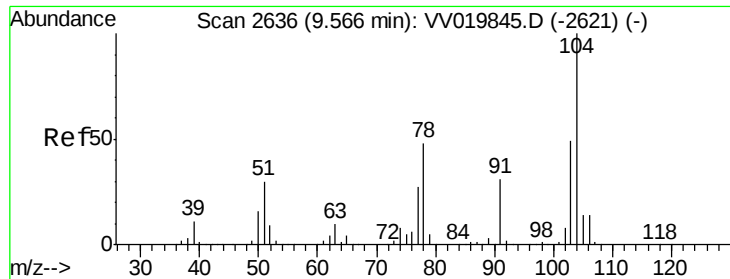
91 225.2 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 53.954 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

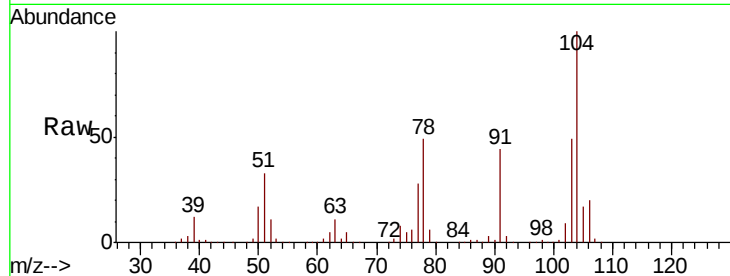
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Tot Ion:104 Resp: 634597

Ion Ratio Lower Upper

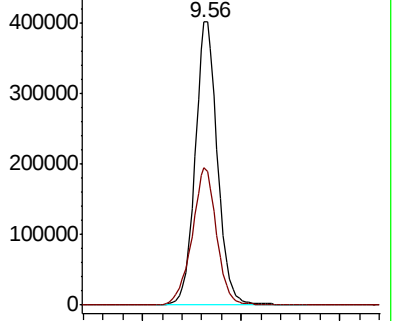
104 100

78 48.7 33.7 62.5

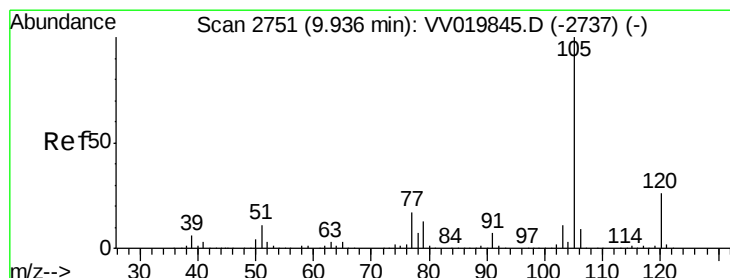
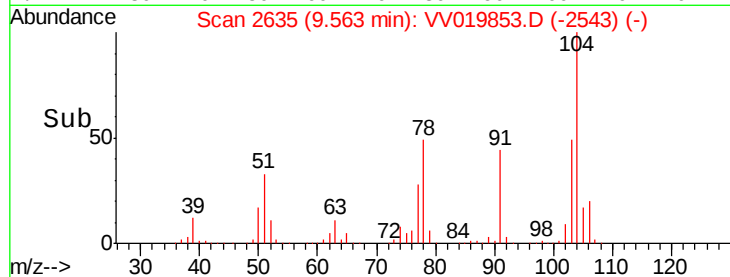


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->



#56

Isopropylbenzene

Concen: 52.400 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

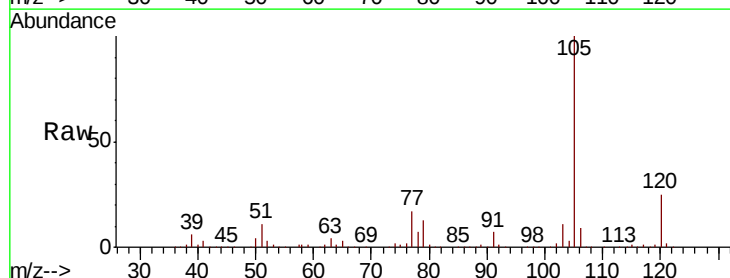
Tgt Ion:105 Resp: 949718

Ion Ratio Lower Upper

105 100

120 25.2 20.5 30.7

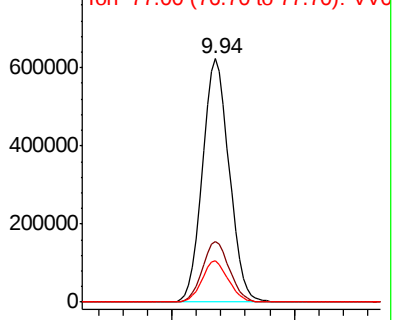
77 16.8 13.6 20.4



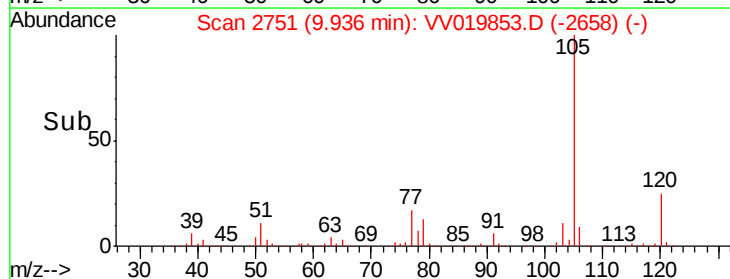
Abundance Ion 105.00 (104.70 to 105.70): V

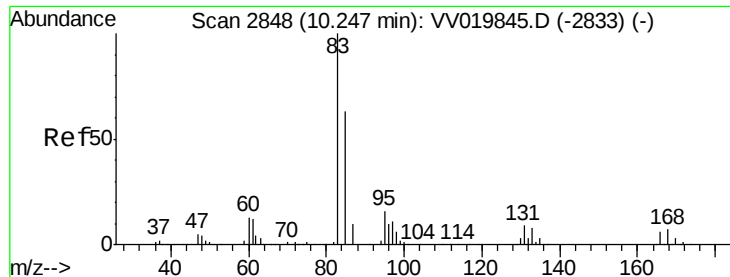
Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0



Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 54.377 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

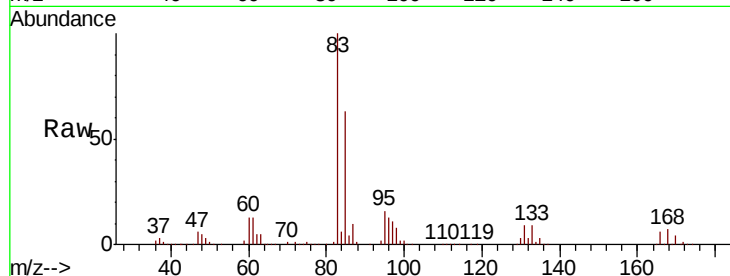
Tot Ion: 83 Resp: 350769

Ion Ratio Lower Upper

83 100

85 63.4 44.3 82.3

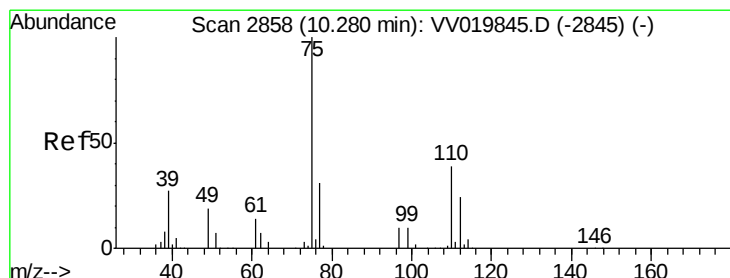
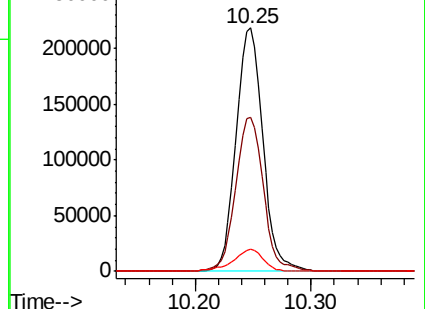
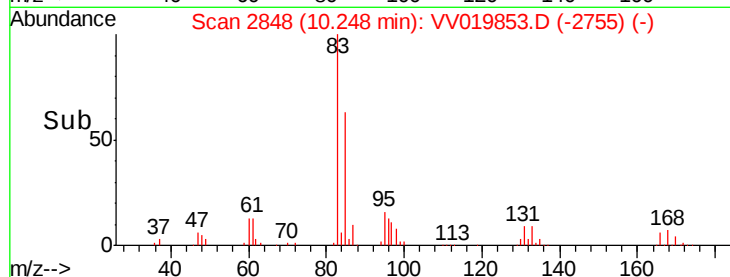
131 9.2 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VV019853.D (-2755) (-)

Ion 85.00 (84.70 to 85.70): VV019853.D (-2755) (-)

Ion 131.00 (130.70 to 131.70): VV019853.D (-2755) (-)



#59

1,2,3-Trichloropropane

Concen: 53.759 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019853.D

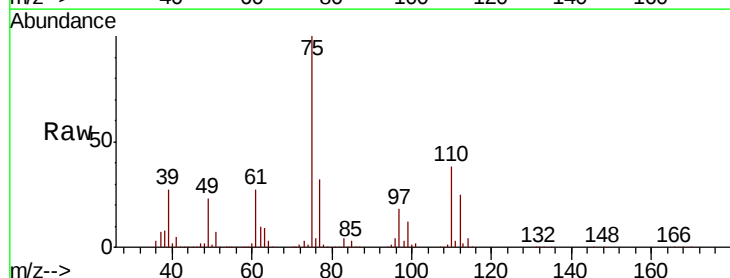
Acq: 28 Dec 2020 16:41

Tgt Ion: 75 Resp: 302596

Ion Ratio Lower Upper

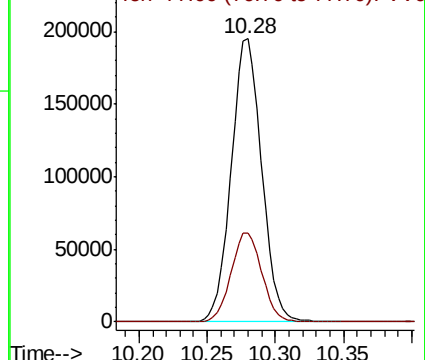
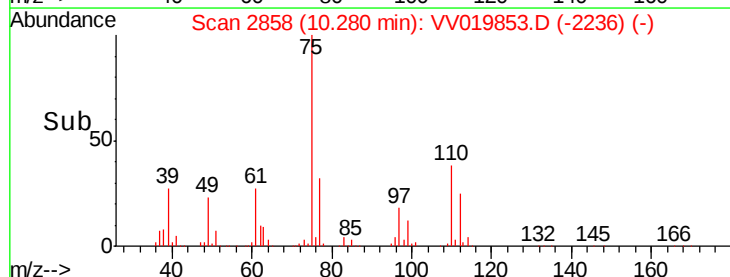
75 100

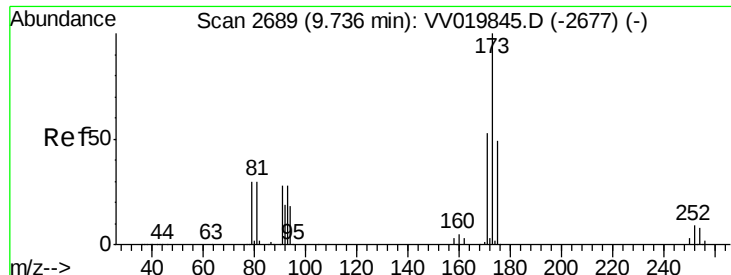
77 31.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV019853.D (-2236) (-)

Ion 77.00 (76.70 to 77.70): VV019853.D (-2236) (-)





#61

Bromoform

Concen: 52.858 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

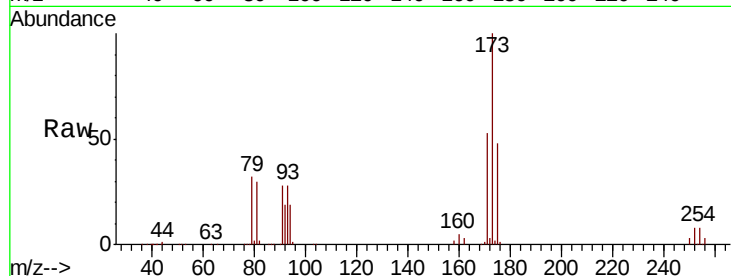
Tot Ion:173 Resp: 144305

Ion Ratio Lower Upper

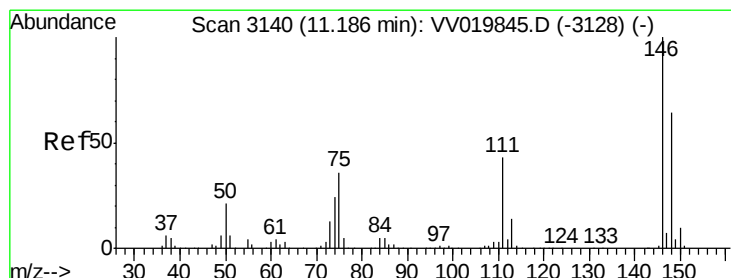
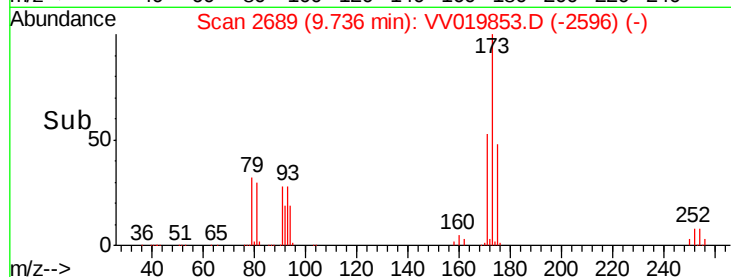
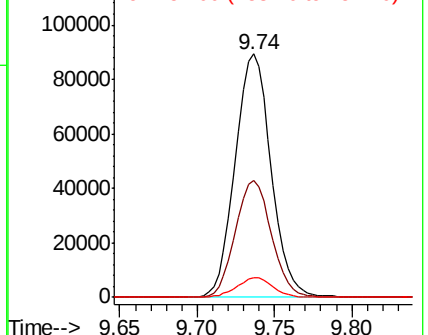
173 100

175 48.2 38.6 57.8

254 8.2 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 51.524 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

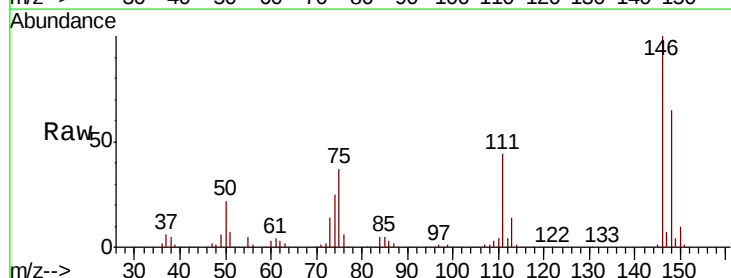
Tgt Ion:146 Resp: 416367

Ion Ratio Lower Upper

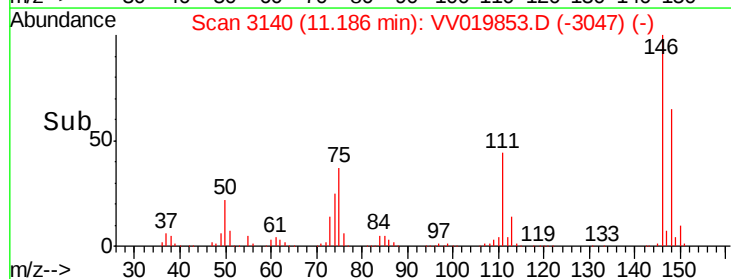
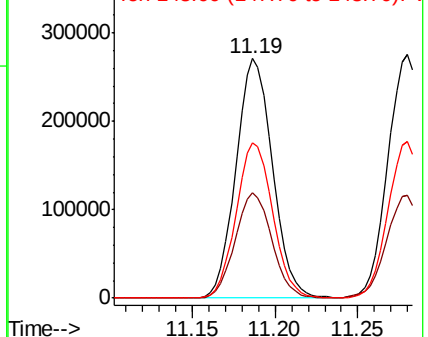
146 100

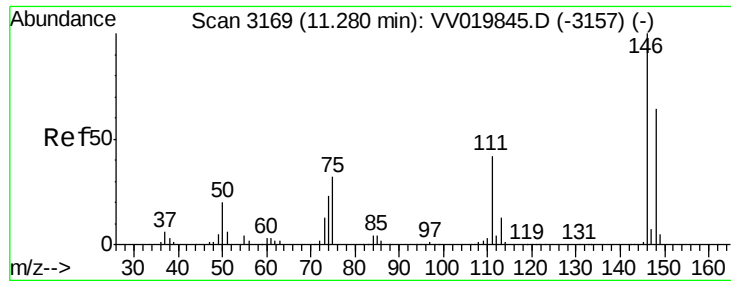
111 43.8 30.2 56.2

148 65.0 45.0 83.6



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

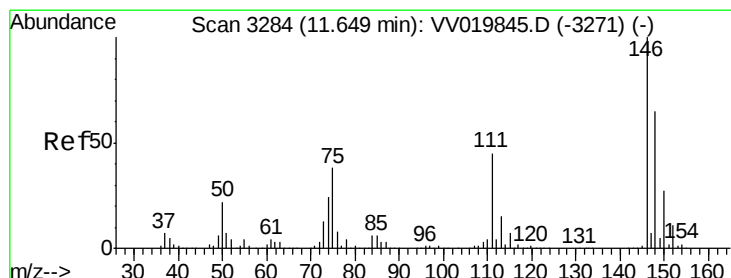
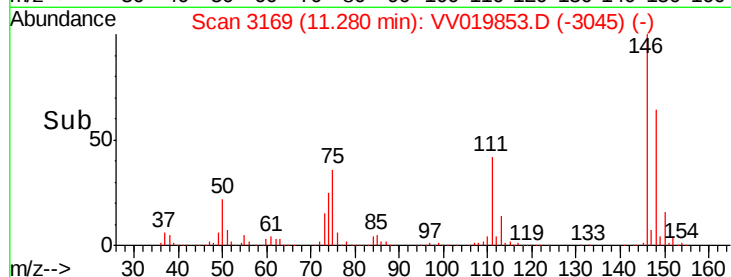
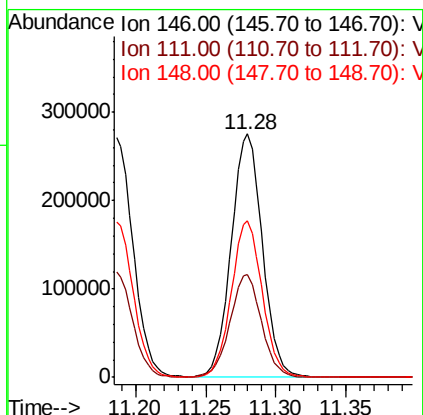
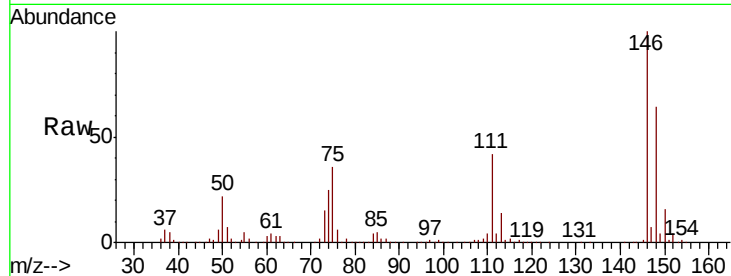




#63
 1,4-Dichlorobenzene
 Concen: 51.135 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

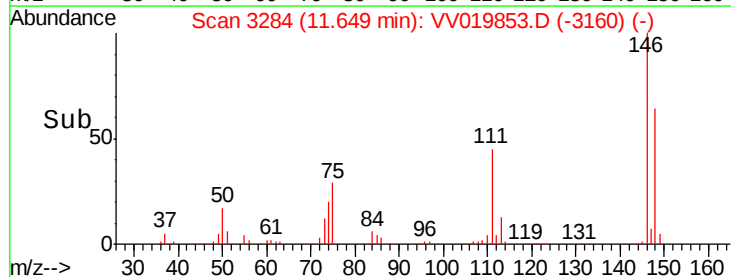
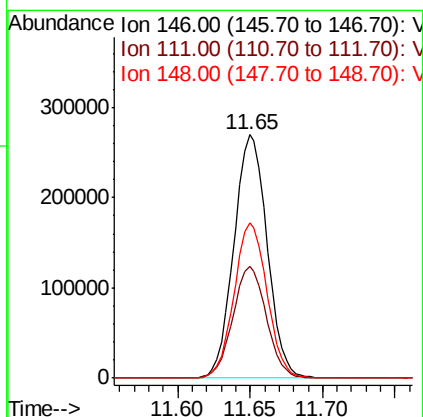
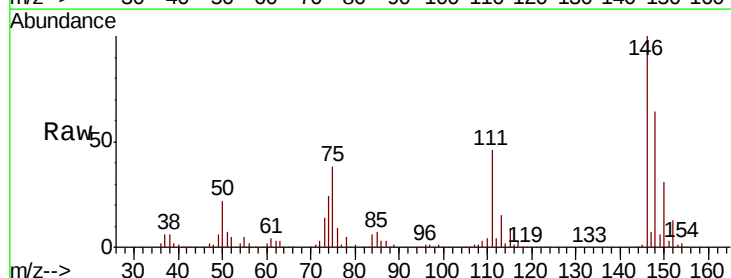
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

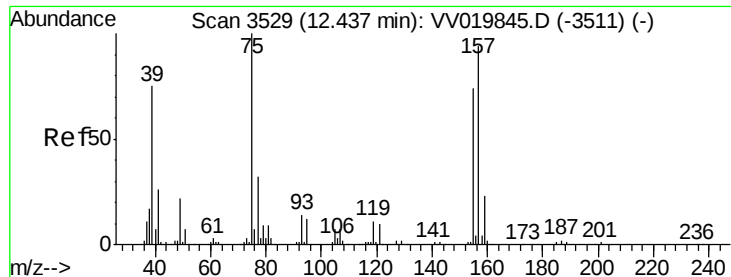
Tot Ion:146 Resp: 424997
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.4 54.6
 148 64.4 44.7 83.1



#65
 1,2-Dichlorobenzene
 Concen: 51.909 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

Tgt Ion:146 Resp: 428196
 Ion Ratio Lower Upper
 146 100
 111 45.7 36.3 54.5
 148 63.8 51.7 77.5





#66

1,2-Dibromo-3-chloropropane

Concen: 56.480 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

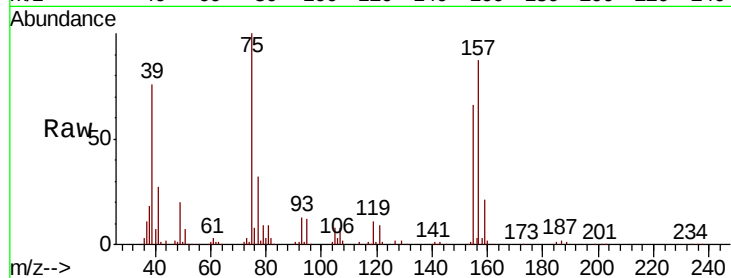
Tot Ion: 75 Resp: 88684

Ion Ratio Lower Upper

75 100

155 66.3 59.1 88.7

157 87.2 75.4 113.0

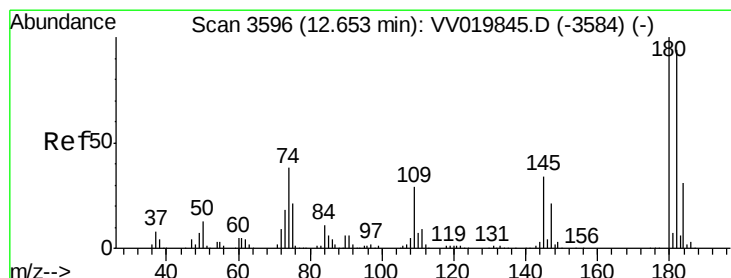
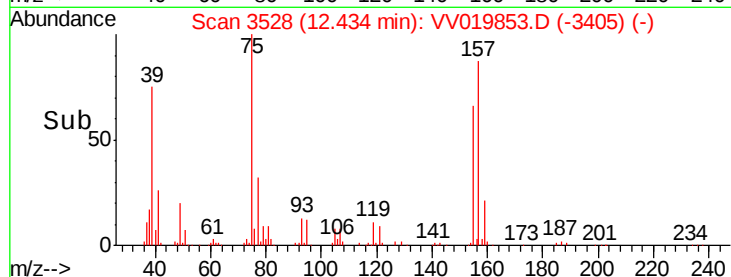
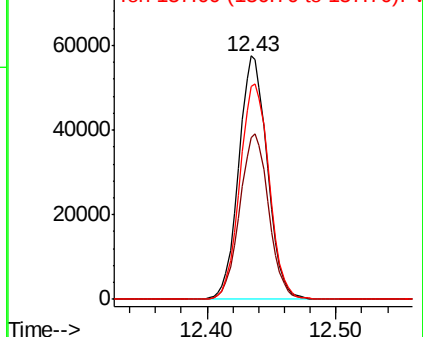


Abundance

Ion 75.00 (74.70 to 75.70): VV019853.D (-3405) (-)

Ion 155.00 (154.70 to 155.70): VV019853.D (-3405) (-)

Ion 157.00 (156.70 to 157.70): VV019853.D (-3405) (-)



#67

1,3,5-Trichlorobenzene

Concen: 52.374 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VV019853.D

Acq: 28 Dec 2020 16:41

Tgt Ion: 180 Resp: 305355

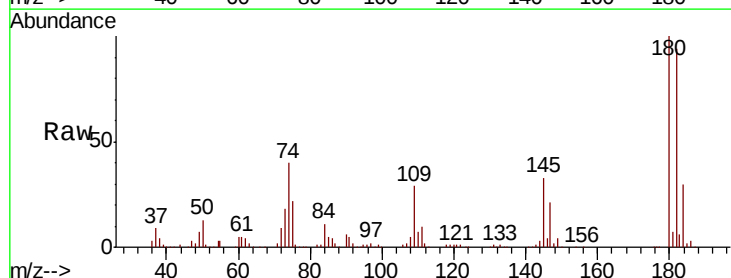
Ion Ratio Lower Upper

180 100

182 94.6 75.0 112.6

184 29.7 24.0 36.0

145 33.2 25.8 38.6



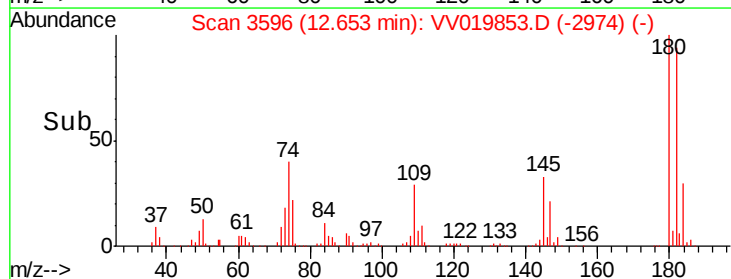
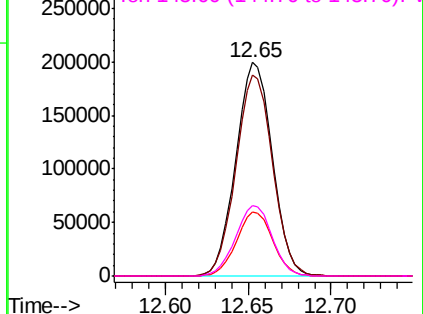
Abundance

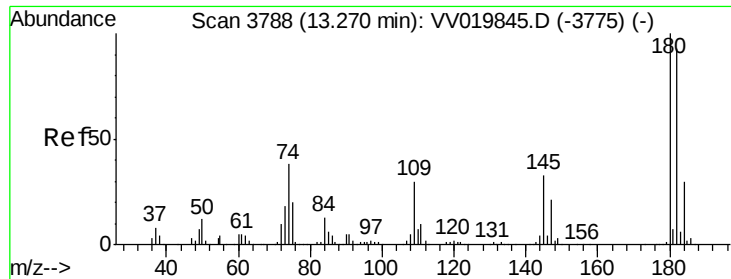
Ion 180.00 (179.70 to 180.70): VV019853.D (-2974) (-)

Ion 182.00 (181.70 to 182.70): VV019853.D (-2974) (-)

Ion 184.00 (183.70 to 184.70): VV019853.D (-2974) (-)

Ion 145.00 (144.70 to 145.70): VV019853.D (-2974) (-)

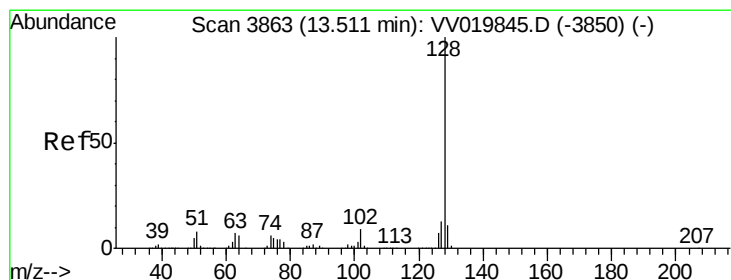
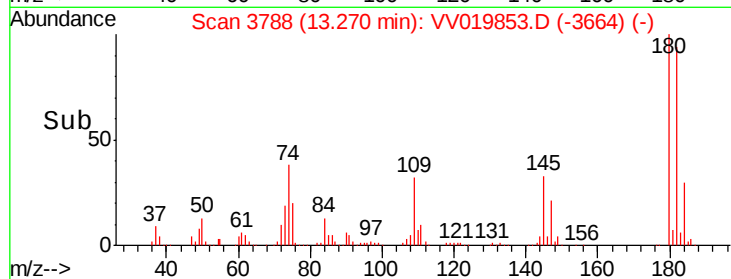
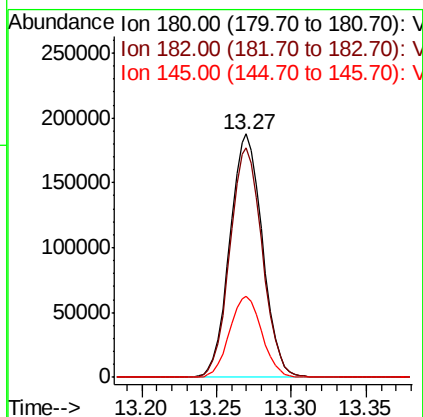
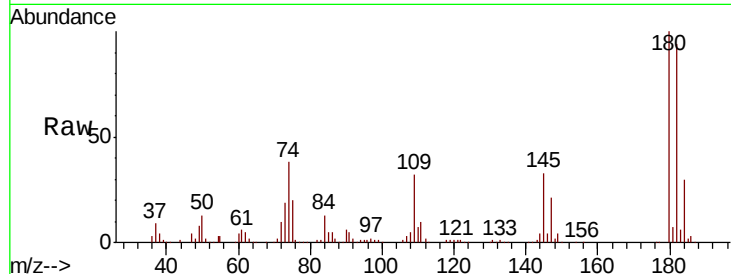




#68
 1,2,4-trichlorobenzene
 Concen: 54.897 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

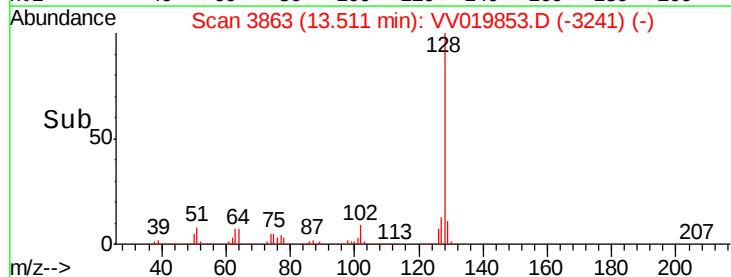
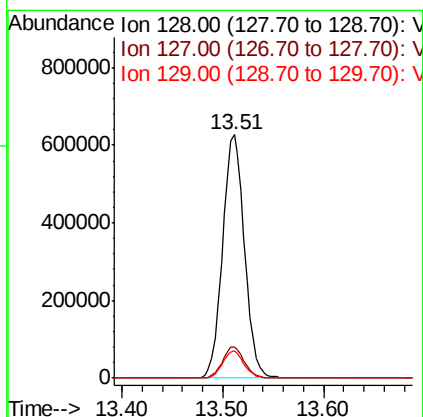
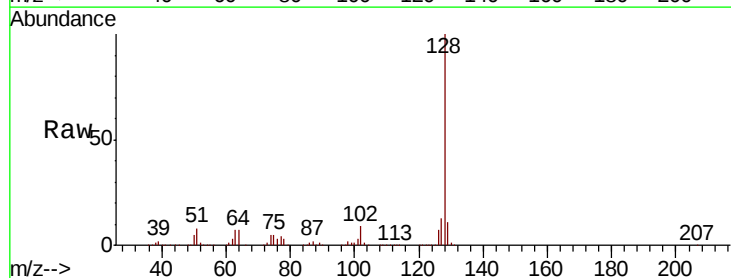
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

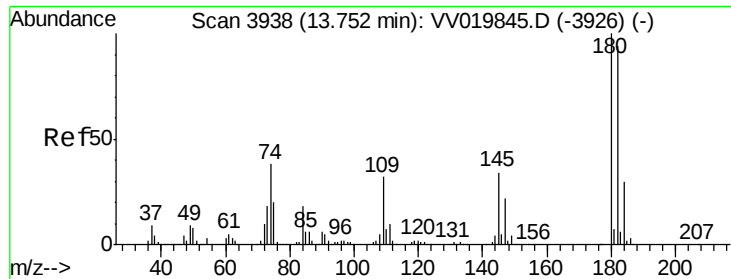
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.1	112.7
145	33.1	26.8	40.2



#69
 Naphthalene
 Concen: 58.355 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	13.0

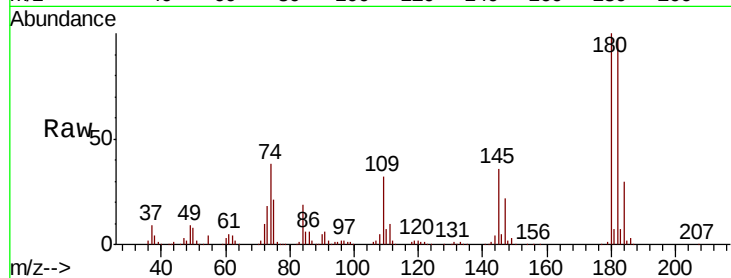




#70
 1,2,3-Trichlorobenzene
 Concen: 54.684 ug/L
 RT: 13.75 min Scan# 3938
 Delta R.T. 0.00 min
 Lab File: VV019853.D
 Acq: 28 Dec 2020 16:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	96.5	76.1	114.1	
145	36.1	27.9	41.9	



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

