

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080720\
 Data File : VV017844.D
 Acq On : 07 Aug 2020 18:19
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Quant Time: Aug 08 00:27:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 08 00:22:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	231029	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	225096	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	130682	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	62629	55.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.18%
7) Chloroethane-d5	1.58	69	52982	55.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.16%
11) 1,1-Dichloroethene-d2	2.12	63	150848	55.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.44%
21) 2-Butanone-d5	3.91	46	84443	99.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.68%
24) Chloroform-d	4.37	84	164585	53.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.92%
26) 1,2-Dichloroethane-d4	5.05	65	121137	53.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.72%
32) Benzene-d6	5.07	84	269289	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
36) 1,2-Dichloropropane-d6	6.09	67	68551	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.22%
41) Toluene-d8	7.33	98	268080	51.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.68%
43) trans-1,3-Dichloropropene-	7.64	79	45587	46.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.80%
47) 2-Hexanone-d5	8.11	63	57281	90.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.61%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	111255	50.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	134870	52.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	117958	50.860	ug/L	98
3) Chloromethane	1.25	50	63133	40.793	ug/L	99
5) Vinyl chloride	1.32	62	76722	46.812	ug/L	97
6) Bromomethane	1.53	94	47275	48.495	ug/L	99
8) Chloroethane	1.59	64	48896	49.284	ug/L	96
9) Trichlorofluoromethane	1.76	101	190653	59.226	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86033	57.764	ug/L	96
12) 1,1-Dichloroethene	2.13	96	73743	53.035	ug/L	97
13) Acetone	2.19	43	103461	96.166	ug/L	100
14) Carbon disulfide	2.31	76	172960	40.368	ug/L	99
15) Methyl Acetate	2.44	43	68051	48.636	ug/L	92
16) Methylene chloride	2.52	84	84245	51.382	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	79950	50.993	ug/L	93
18) Methyl tert-butyl Ether	2.78	73	292338	56.727	ug/L	97
19) 1,1-Dichloroethane	3.21	63	135592	49.561	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	87433	52.209	ug/L	95
23) Bromochloromethane	4.27	128	54203	57.290	ug/L #	84

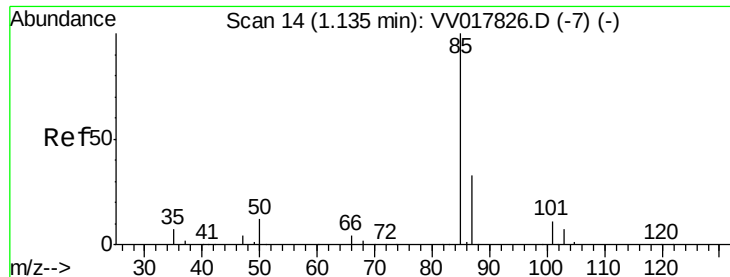
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080720\
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 Quant Title : VOC Analysis
 QLast Update : Sat Aug 08 00:22:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	171002	53.932	ug/L	100
27) 1,2-Dichloroethane	5.15	62	156951	55.786	ug/L	99
29) Cyclohexane	4.70	56	101460	44.495	ug/L	87
30) 1,1,1-Trichloroethane	4.63	97	178168	54.902	ug/L	98
31) Carbon tetrachloride	4.85	117	150848	50.998	ug/L	99
33) Benzene	5.12	78	302655	49.573	ug/L	100
34) Trichloroethene	5.93	95	92257	53.169	ug/L	98
35) Methylcyclohexane	6.15	83	128866	50.627	ug/L	96
37) 1,2-Dichloropropane	6.20	63	67487	48.228	ug/L	97
38) Bromodichloromethane	6.53	83	115449	46.387	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	117294	45.647	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	194116	101.781	ug/L	98
42) Toluene	7.41	91	357765	52.751	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	123749	46.926	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	86124	54.039	ug/L	95
46) Tetrachloroethene	8.00	164	86039	55.967	ug/L	97
48) 2-Hexanone	8.16	43	153454	98.896	ug/L	95
49) Dibromochloromethane	8.27	129	85519	41.024	ug/L	99
50) 1,2-Dibromoethane	8.37	107	95576	55.075	ug/L	99
51) Chlorobenzene	8.90	112	249140	53.542	ug/L	96
52) Ethylbenzene	9.03	91	412401	53.074	ug/L	97
53) m,p-Xylene	9.16	106	164315	55.163	ug/L	96
54) o-xylene	9.56	106	161423	56.001	ug/L	100
55) Styrene	9.58	104	278924	55.630	ug/L	97
56) Isopropylbenzene	9.95	105	443458	56.208	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	120092	51.771	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	108759	53.407	ug/L	99
61) Bromoform	9.75	173	52635	32.605	ug/L #	97
62) 1,3-Dichlorobenzene	11.20	146	228712	54.766	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	232412	54.772	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	232674	55.418	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	30239	46.088	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	191807	58.735	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	182959	64.553	ug/L	99
69) Naphthalene	13.52	128	494852	66.185	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	186484	66.342	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 50.860 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampled :

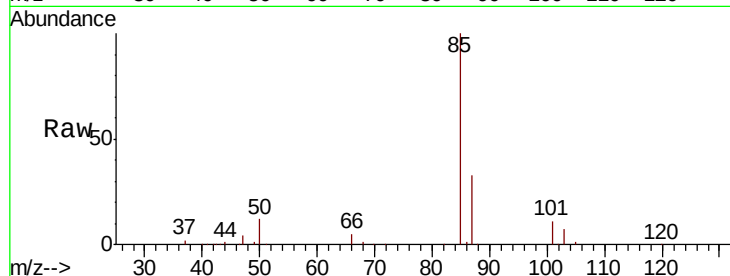
VSTD05092

Tot Ion: 85 Resp: 117958

Ion Ratio Lower Upper

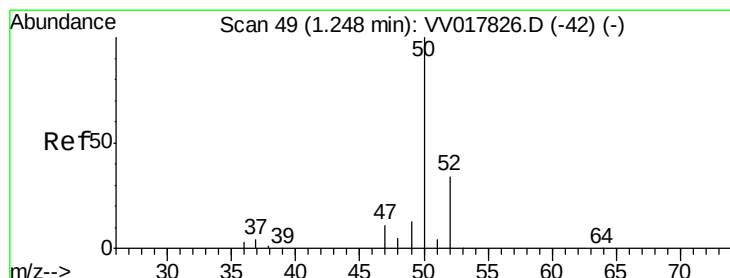
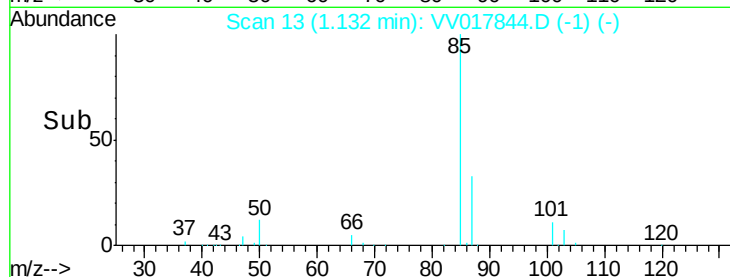
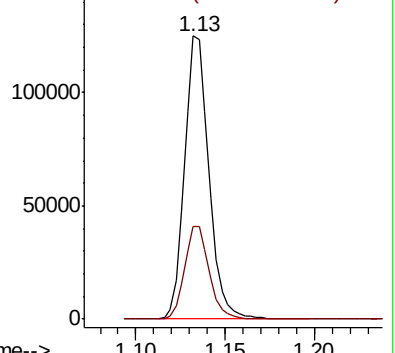
85 100

87 33.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV017826.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017826.D (-7) (-)



#3

Chloromethane

Concen: 40.793 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017844.D

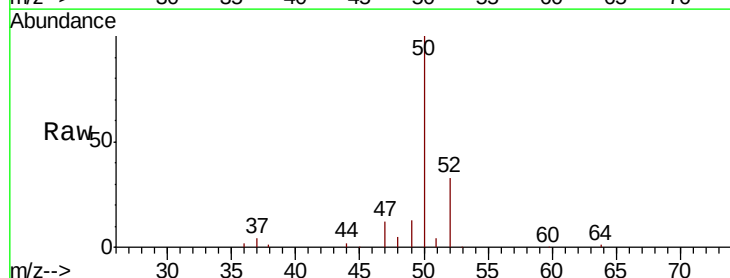
Acq: 07 Aug 2020 18:19

Tgt Ion: 50 Resp: 63133

Ion Ratio Lower Upper

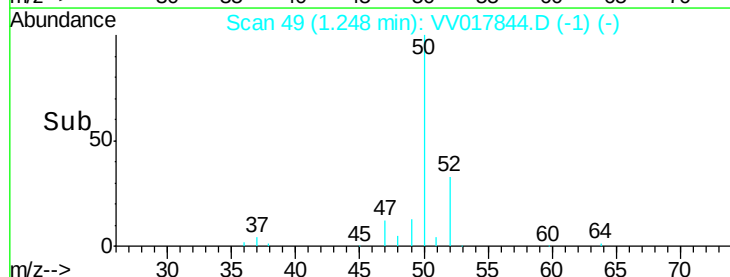
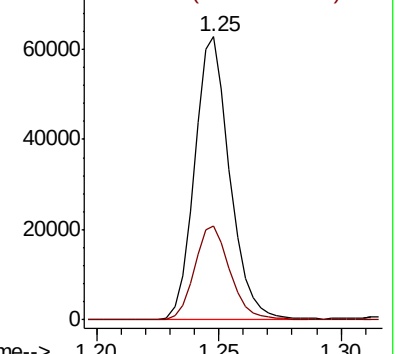
50 100

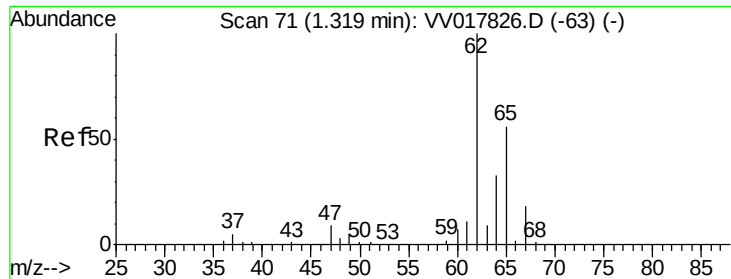
52 33.0 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV017826.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017826.D (-42) (-)





#5

Vinyl chloride

Concen: 46.812 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

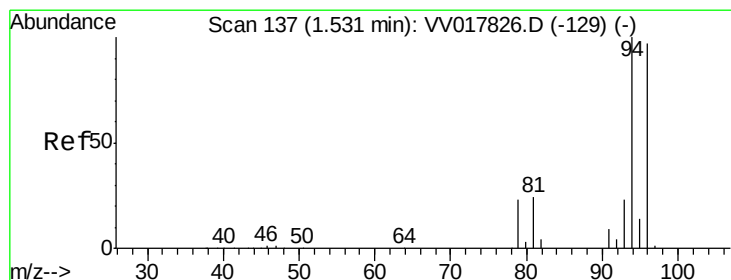
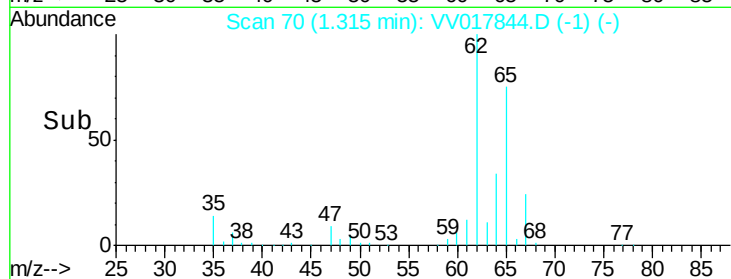
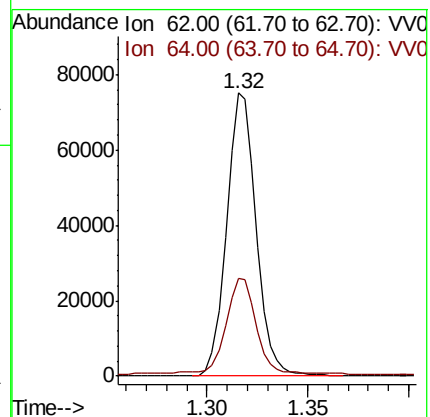
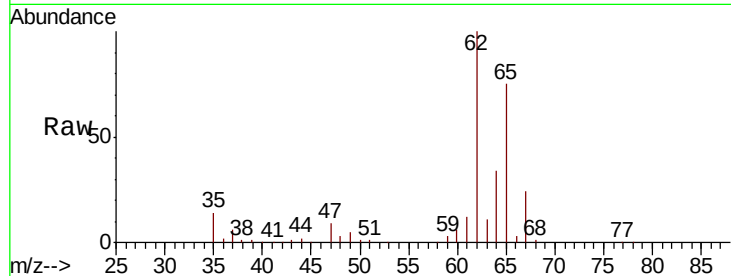
VSTD05092

Tot Ion: 62 Resp: 76722

Ion Ratio Lower Upper

62 100

64 34.5 22.9 42.5



#6

Bromomethane

Concen: 48.495 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017844.D

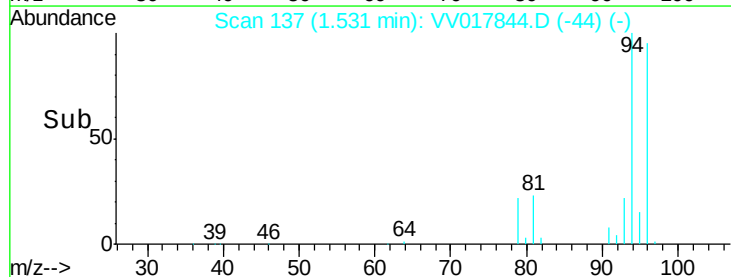
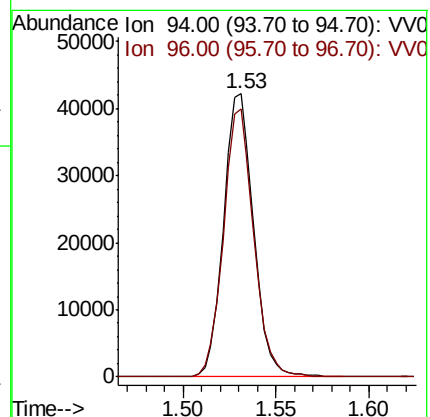
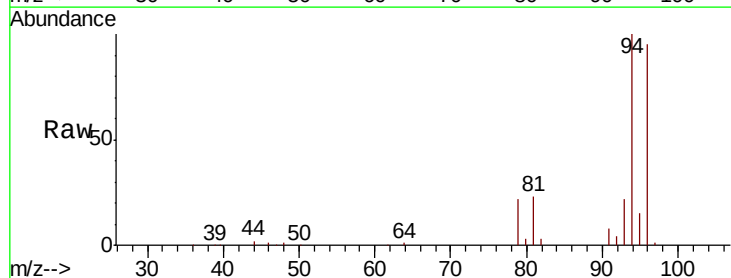
Acq: 07 Aug 2020 18:19

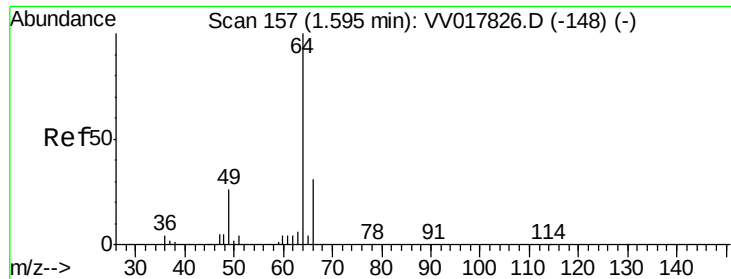
Tgt Ion: 94 Resp: 47275

Ion Ratio Lower Upper

94 100

96 94.7 66.9 124.3

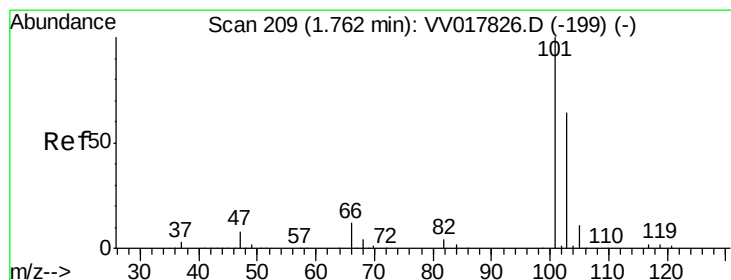
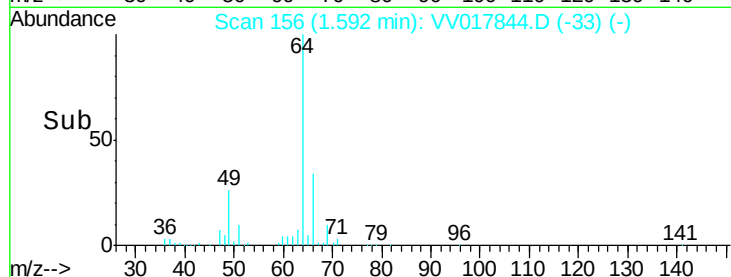
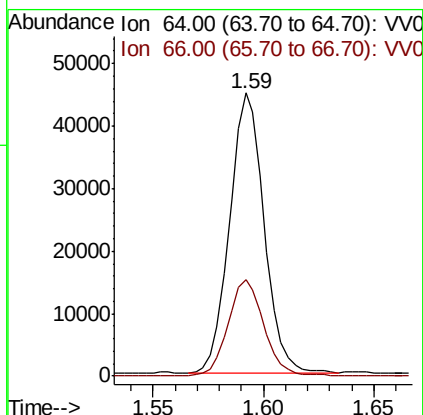
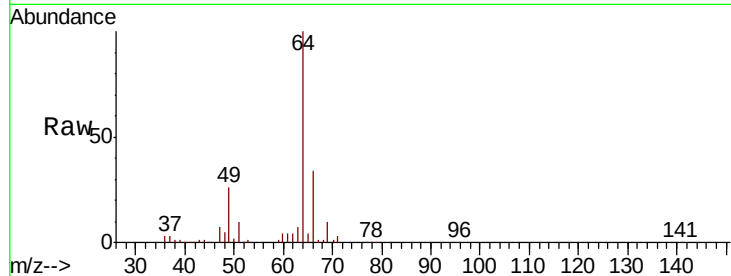




#8
Chloroethane
Concen: 49.284 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

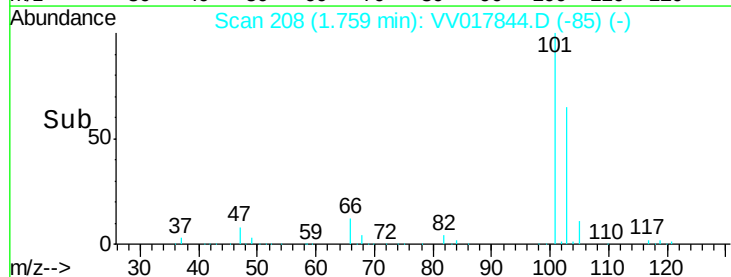
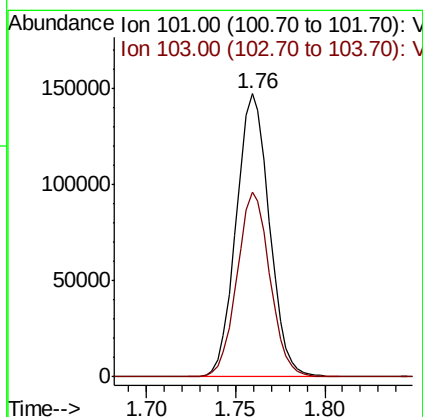
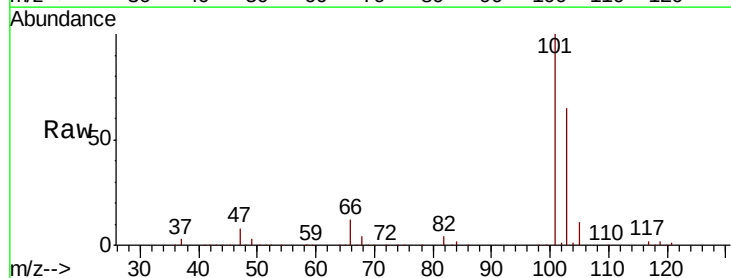
Instrument :
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ClientSampleId :
VSTD05092

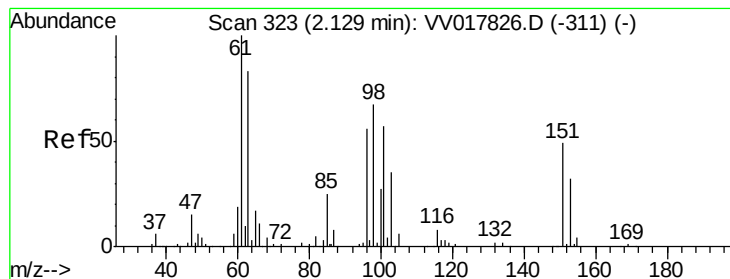
Tot Ion: 64 Resp: 48896
Ion Ratio Lower Upper
64 100
66 34.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 59.226 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

Tgt Ion: 101 Resp: 190653
Ion Ratio Lower Upper
101 100
103 64.6 51.6 77.4





#10

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

Concen: 57.764 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

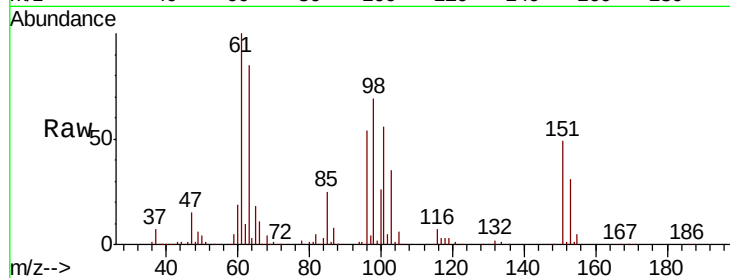
Tot Ion:101 Resp: 86033

Ion Ratio Lower Upper

101 100

85 43.6 37.2 55.8

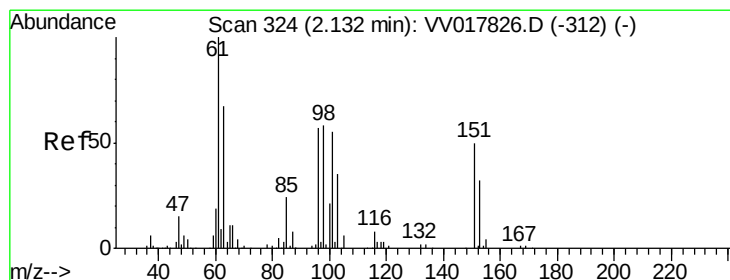
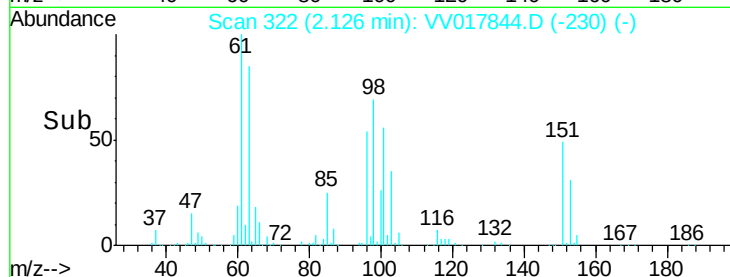
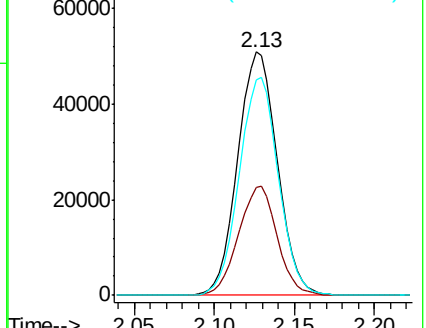
151 88.6 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.035 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

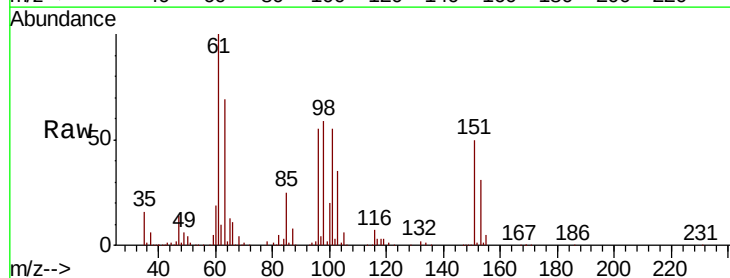
Tgt Ion: 96 Resp: 73743

Ion Ratio Lower Upper

96 100

61 181.3 131.0 243.2

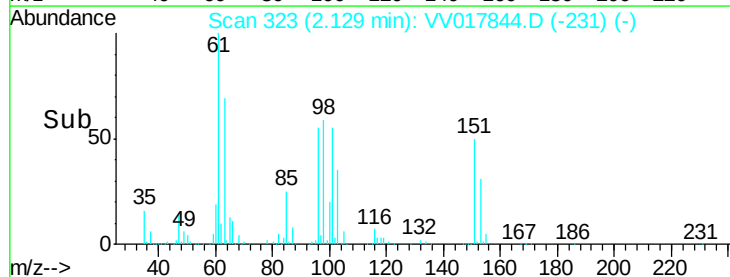
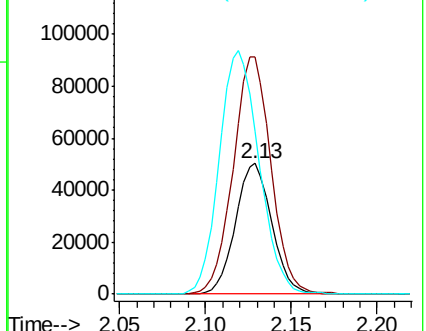
63 125.1 88.5 164.3

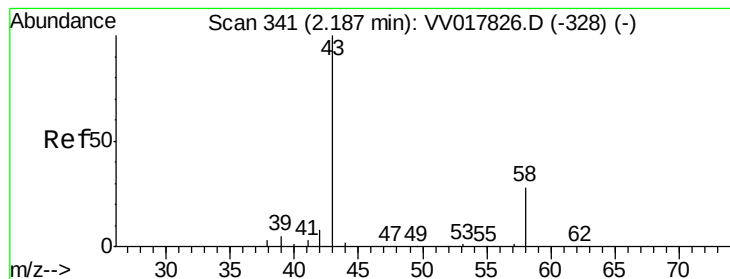


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 96.166 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

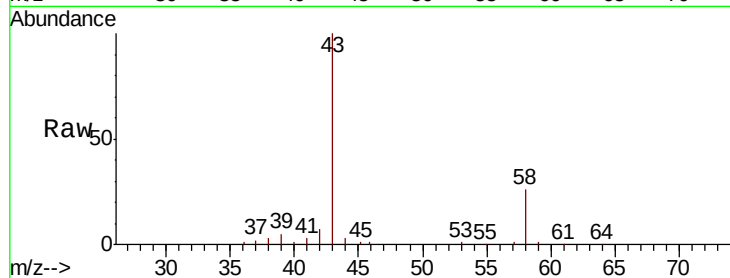
VSTD05092

Tot Ion: 43 Resp: 103461

Ion Ratio Lower Upper

43 100

58 26.2 0.0 52.6



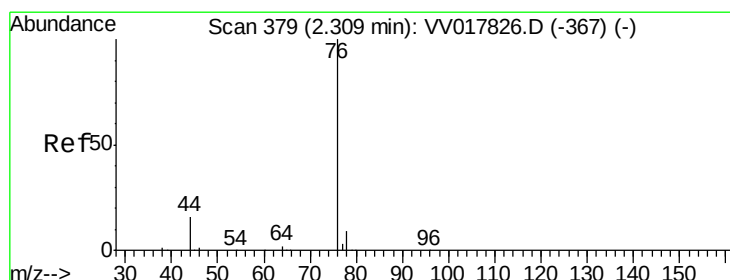
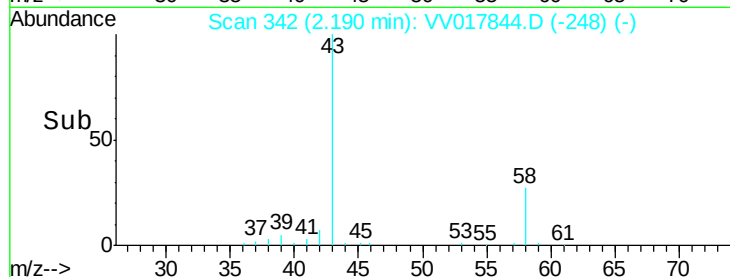
Abundance Ion 43.00 (42.70 to 43.70): VV017826.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV017826.D (-328) (-)

2.19

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 40.368 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017844.D

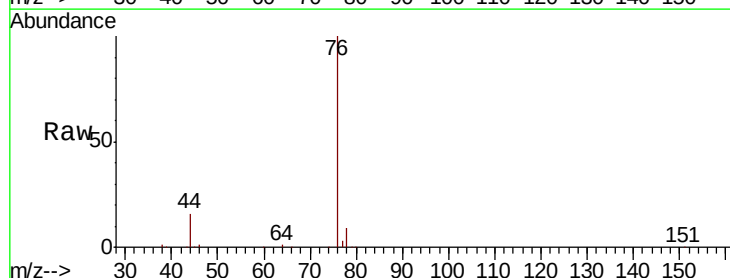
Acq: 07 Aug 2020 18:19

Tgt Ion: 76 Resp: 172960

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



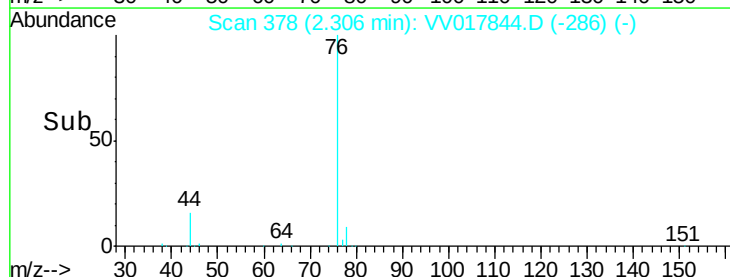
Abundance Ion 76.00 (75.70 to 76.70): VV017826.D (-367) (-)

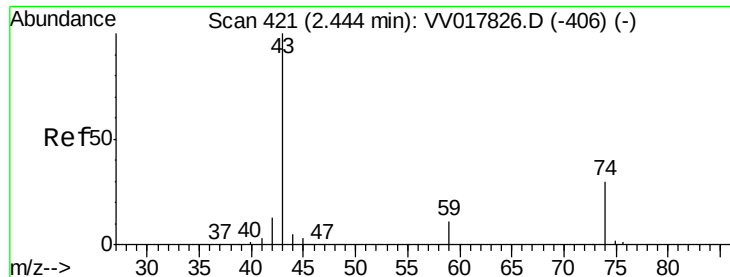
Ion 78.00 (77.70 to 78.70): VV017826.D (-367) (-)

2.31

Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 48.636 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

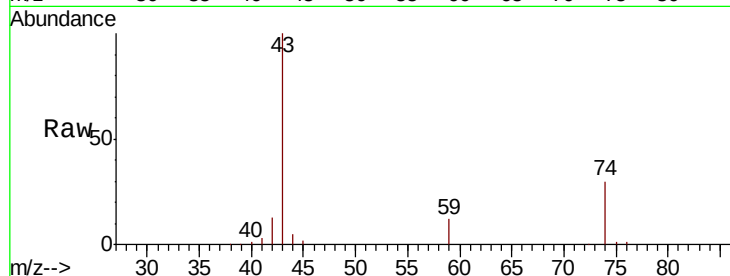
VSTD05092

Tot Ion: 43 Resp: 68051

Ion Ratio Lower Upper

43 100

74 29.8 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.44

40000

30000

20000

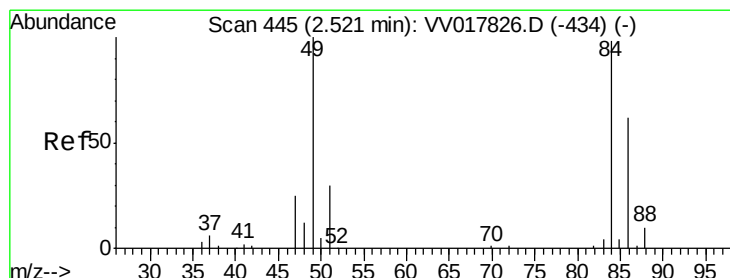
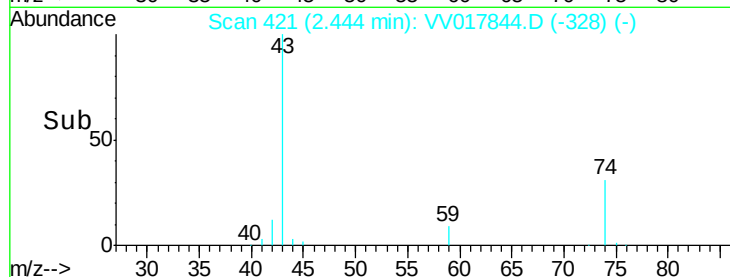
10000

0

Time-->

2.40

2.50



#16

Methylene chloride

Concen: 51.382 ug/L

RT: 2.52 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

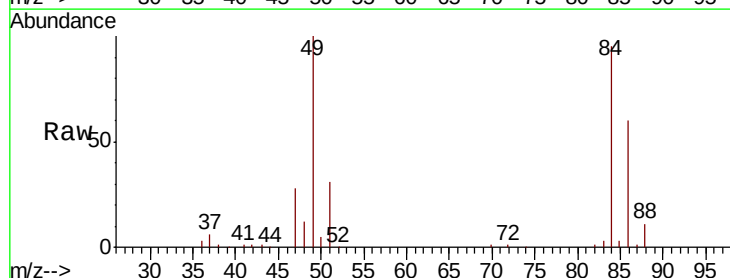
Tgt Ion: 84 Resp: 84245

Ion Ratio Lower Upper

84 100

86 62.8 45.4 84.4

49 105.2 79.2 147.2



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

60000

40000

20000

0

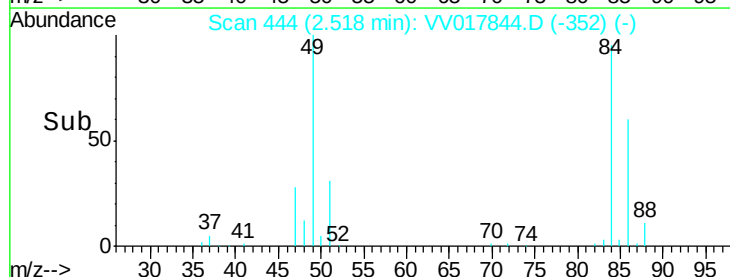
Time-->

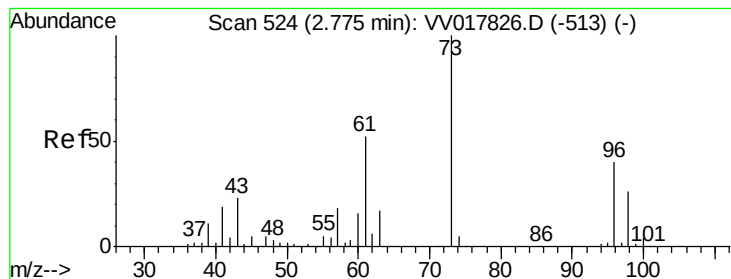
2.45

2.50

2.55

2.60





#17

trans-1,2-Dichloroethene

Concen: 50.993 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

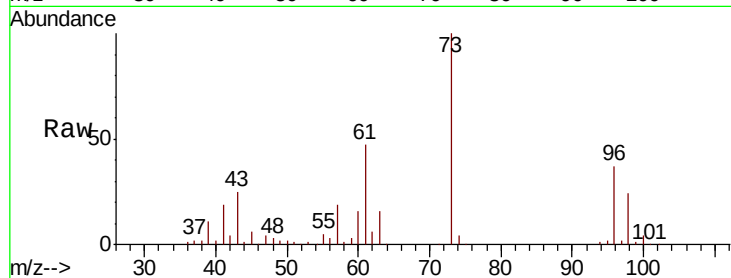
Tot Ion: 96 Resp: 79950

Ion Ratio Lower Upper

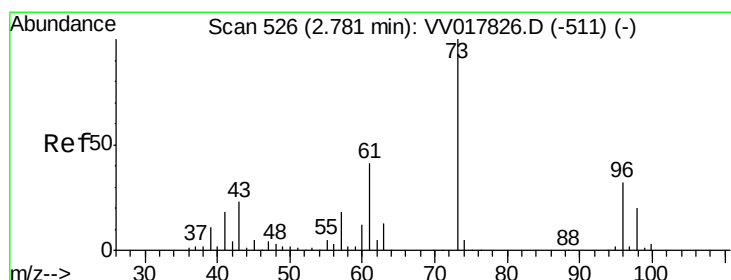
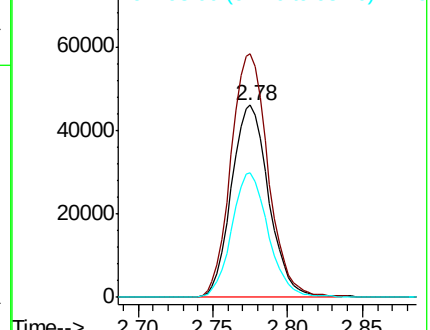
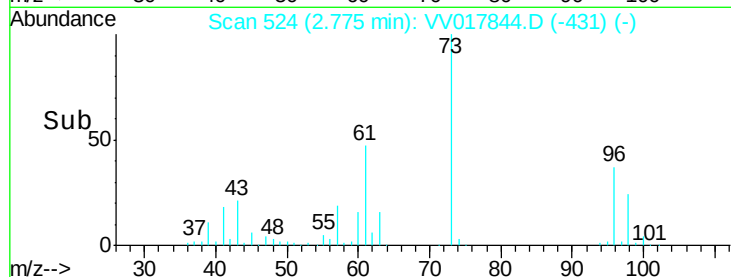
96 100

61 126.8 96.2 178.8

98 64.9 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VV017844.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 56.727 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

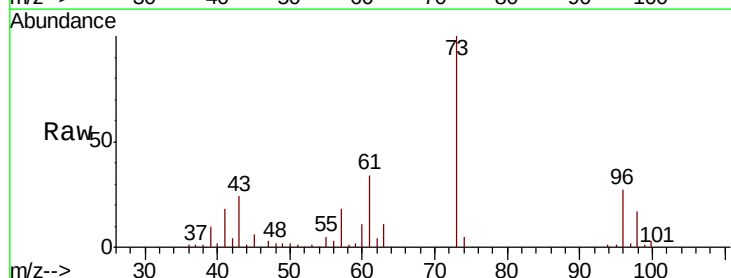
Tgt Ion: 73 Resp: 292338

Ion Ratio Lower Upper

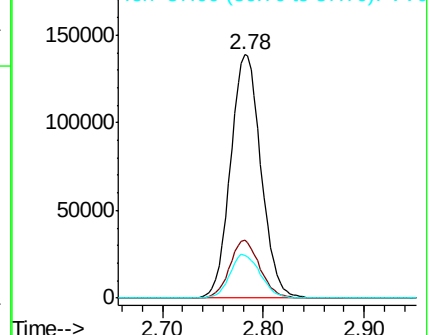
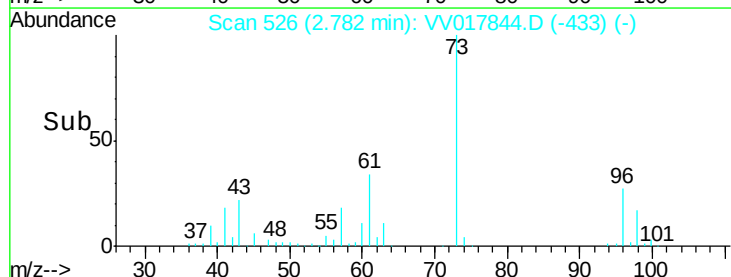
73 100

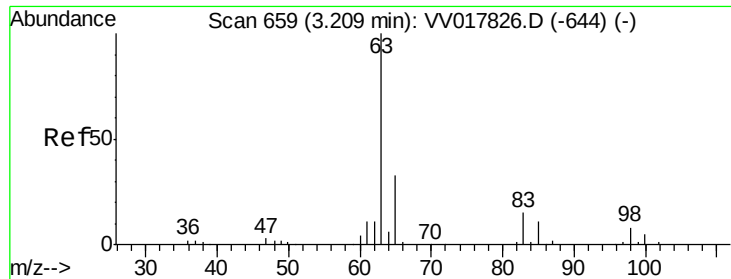
43 23.5 18.1 27.1

57 18.0 16.0 24.0



Abundance Ion 73.00 (72.70 to 73.70): VV017844.D (-433) (-)

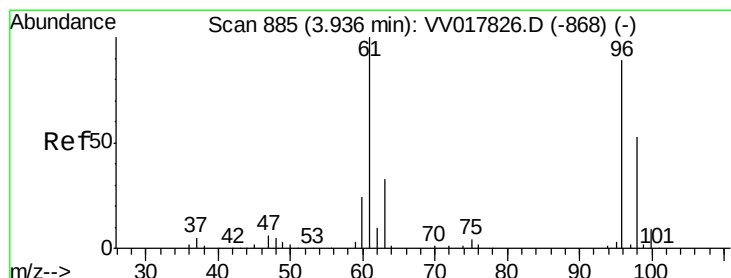
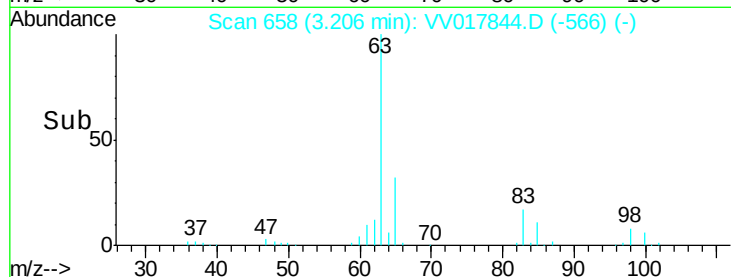
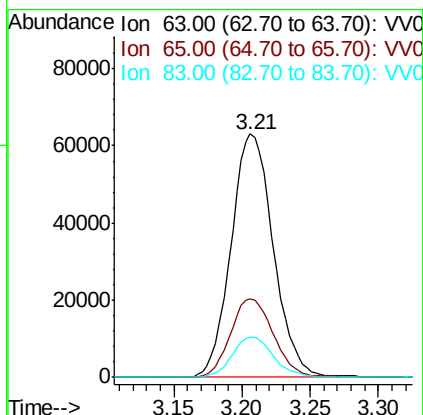
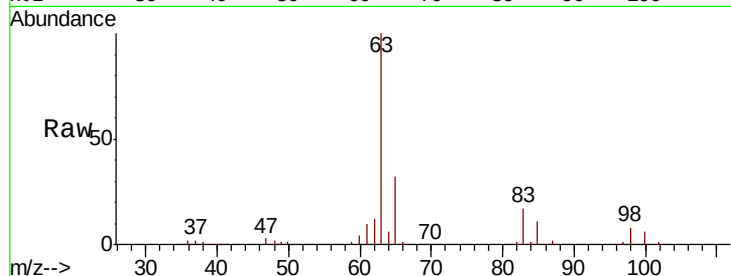




#19
 1,1-Dichloroethane
 Concen: 49.561 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

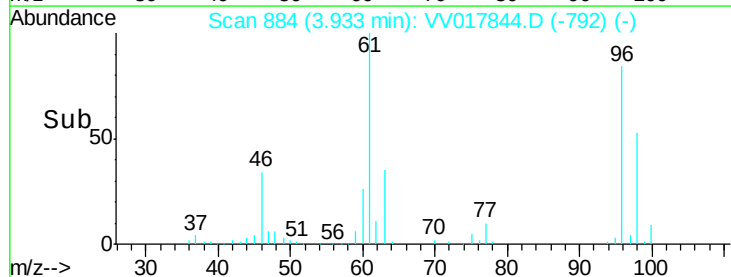
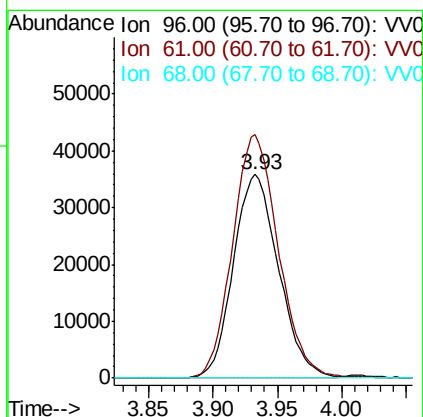
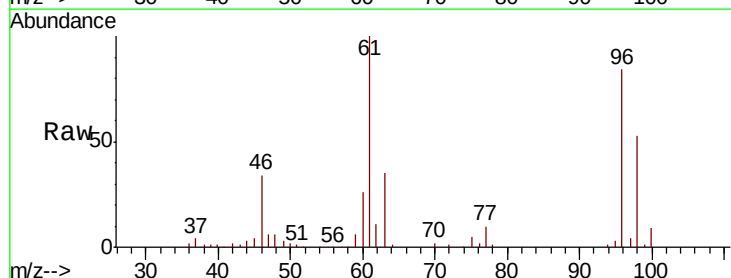
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

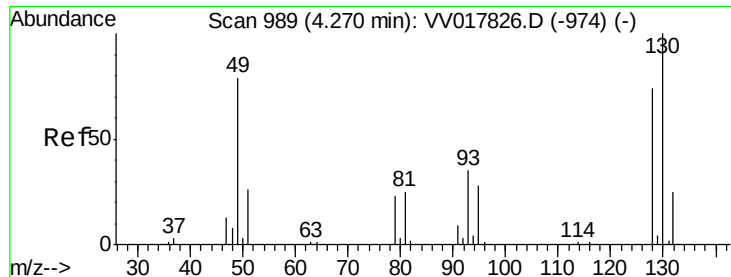
Tot Ion: 63 Resp: 135592
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.8 42.4
 83 16.7 11.0 20.4



#20
 cis-1,2-Dichloroethene
 Concen: 52.209 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

Tgt Ion: 96 Resp: 87433
 Ion Ratio Lower Upper
 96 100
 61 119.5 87.3 162.1
 68 0.0 0.0 0.0

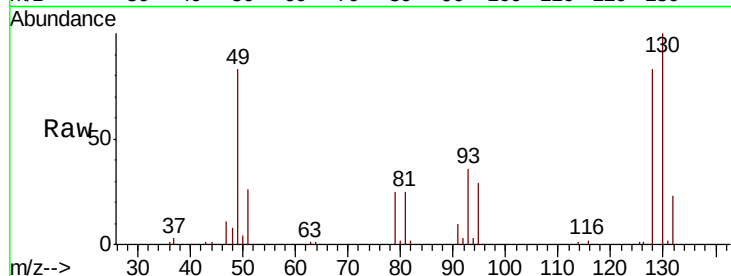




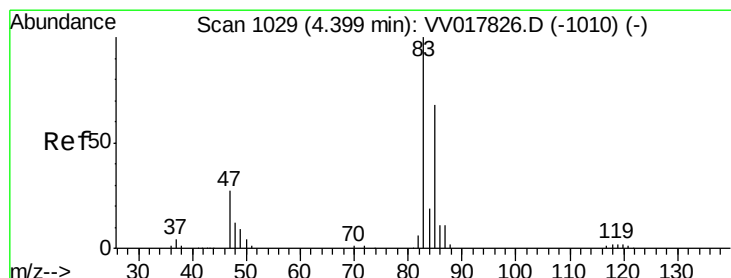
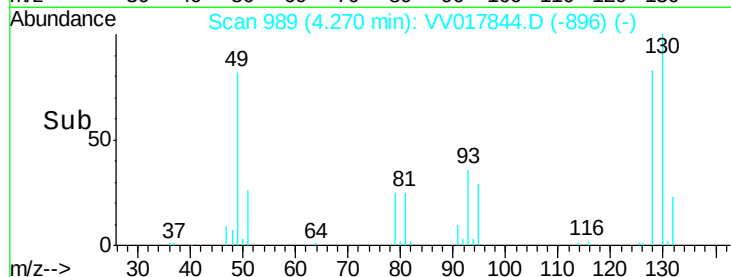
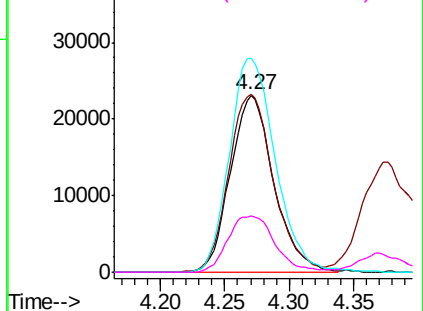
#23
Bromochloromethane
Concen: 57.290 ug/L
RT: 4.27 min Scan# 989
Delta R.T. 0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion:128 Resp: 54203
Ion Ratio Lower Upper
128 100
49 100.3 90.4 168.0
130 120.6 90.5 168.1
51 31.5 32.7 49.1#

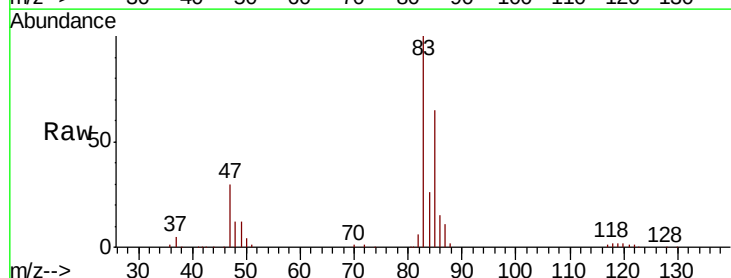


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

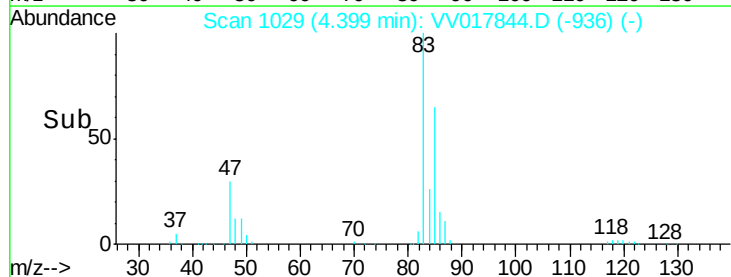
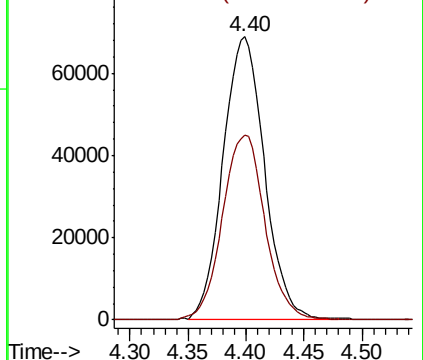


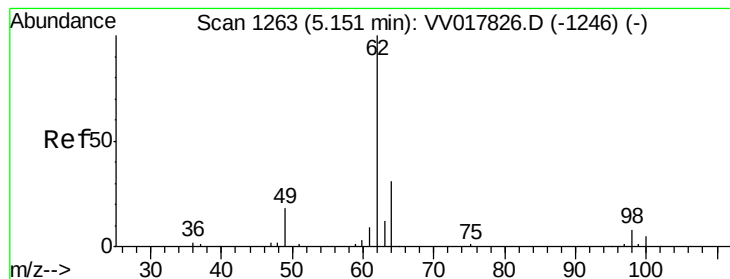
#25
Chloroform
Concen: 53.932 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

Tgt Ion: 83 Resp: 171002
Ion Ratio Lower Upper
83 100
85 65.4 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 55.786 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

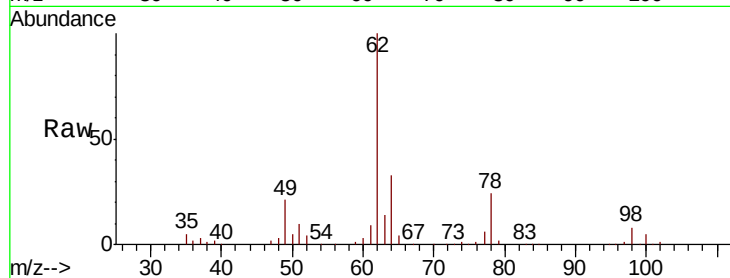
VSTD05092

Tot Ion: 62 Resp: 156951

Ion Ratio Lower Upper

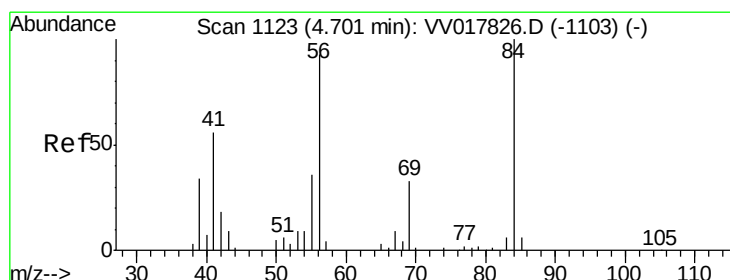
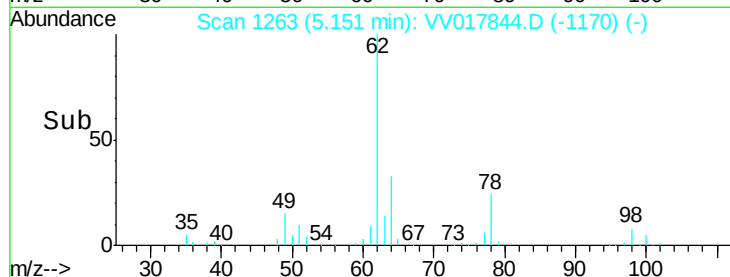
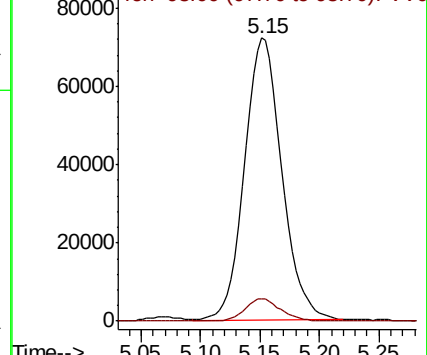
62 100

98 7.9 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 44.495 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

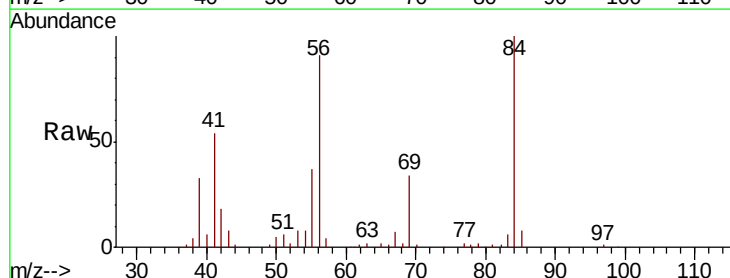
Tgt Ion: 56 Resp: 101460

Ion Ratio Lower Upper

56 100

69 35.4 26.1 39.1

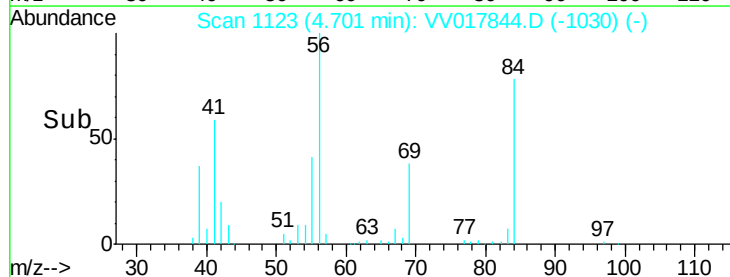
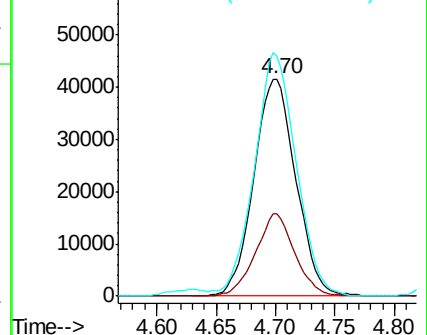
84 111.5 76.6 114.8

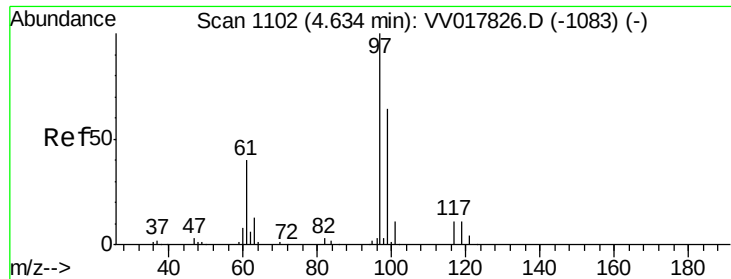


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

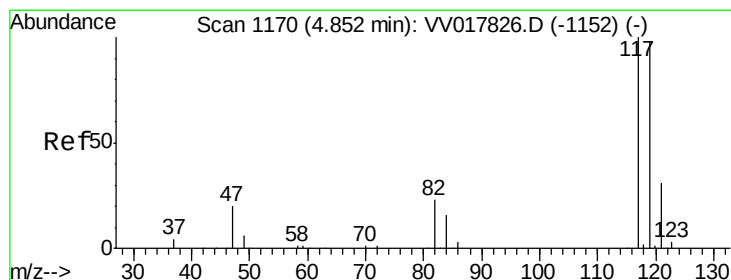
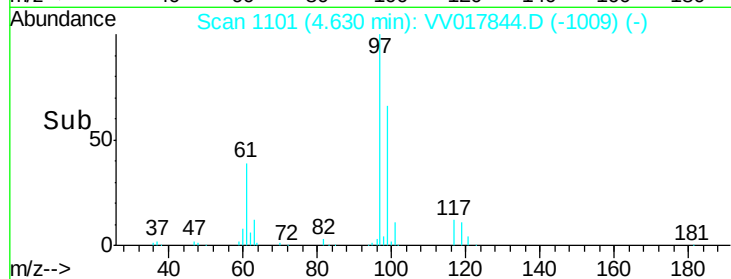
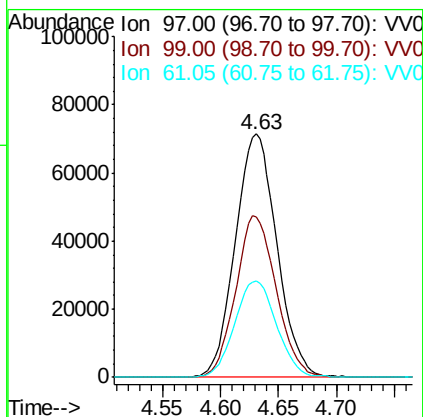
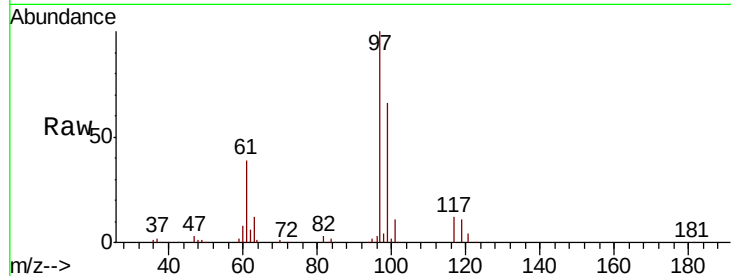




#30
 1,1,1-Trichloroethane
 Concen: 54.902 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

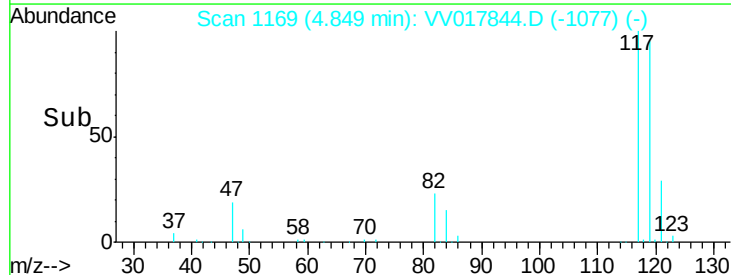
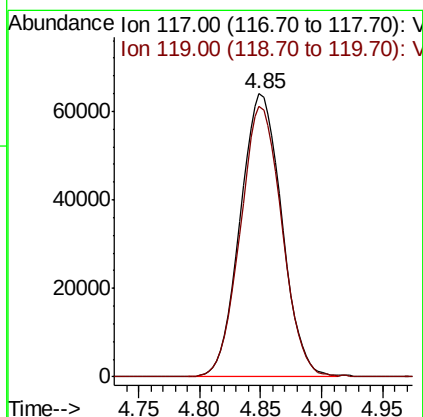
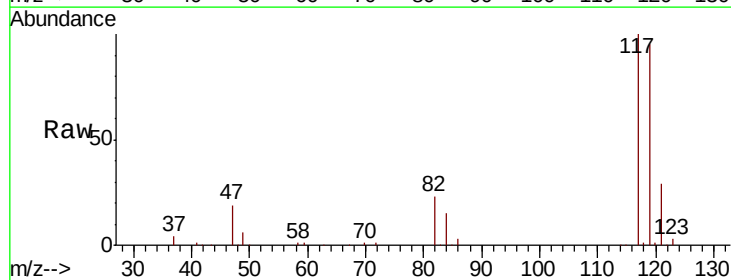
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

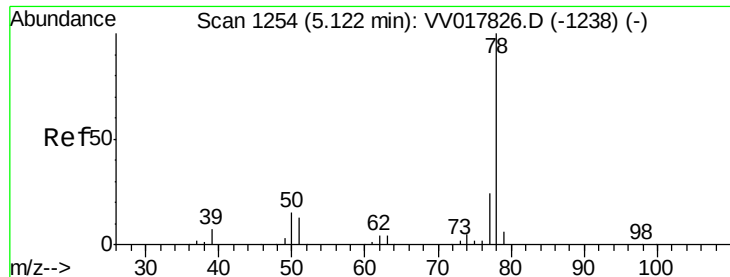
Tot Ion: 97 Resp: 178168
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 39.9 34.1 51.1



#31
 Carbon tetrachloride
 Concen: 50.998 ug/L
 RT: 4.85 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

Tgt Ion: 117 Resp: 150848
 Ion Ratio Lower Upper
 117 100
 119 95.6 77.6 116.4





#33

Benzene

Concen: 49.573 ug/L

RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

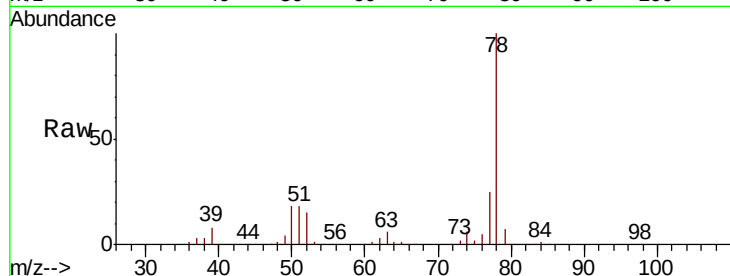
Instrument :

MSVOA_V

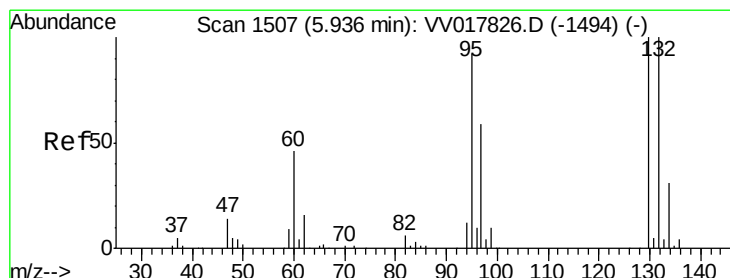
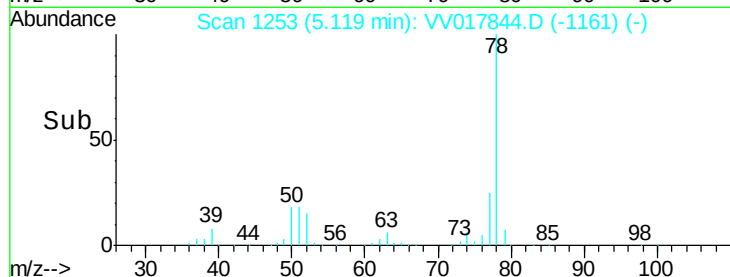
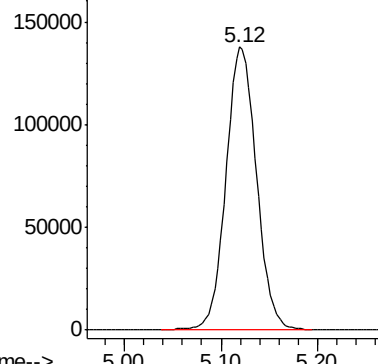
ClientSampleId :

VSTD05092

Tgt Ion: 78 Resp: 302655



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 53.169 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Tgt Ion: 95 Resp: 92257

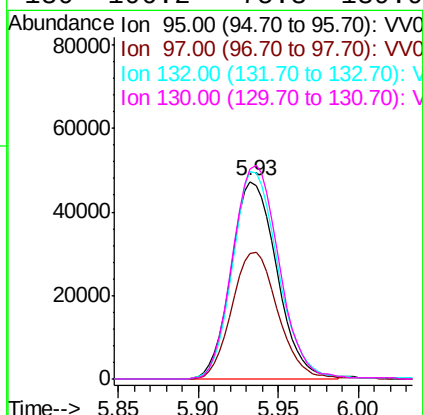
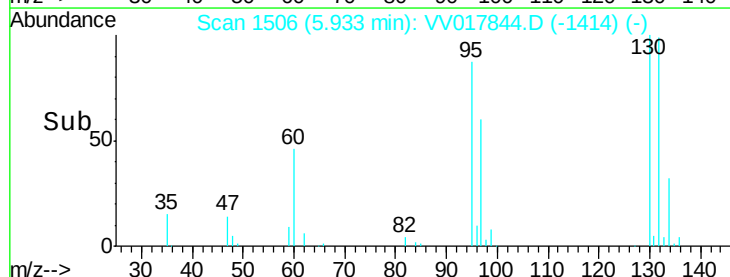
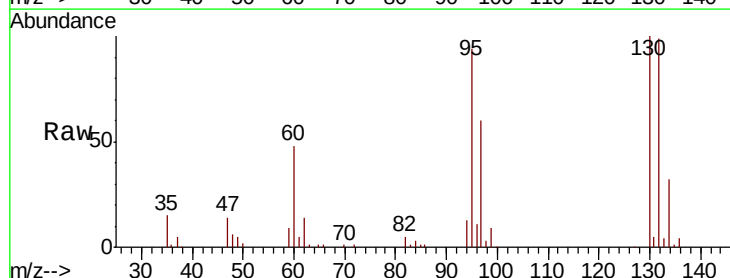
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.3	84.1
132	105.0	71.4	132.6
130	106.2	75.3	139.9

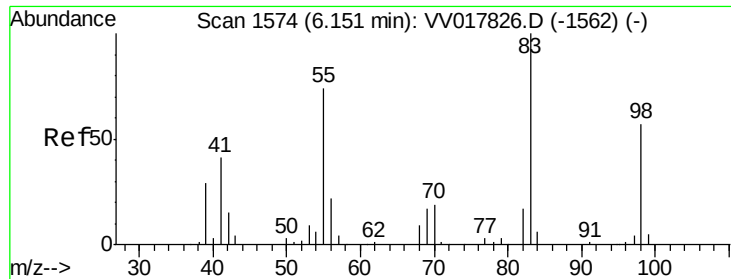
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

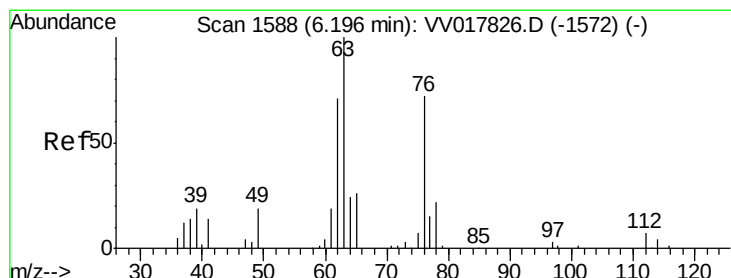
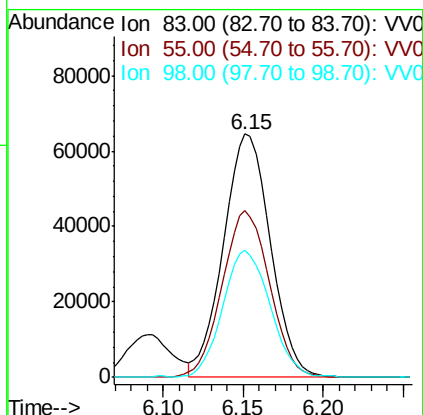
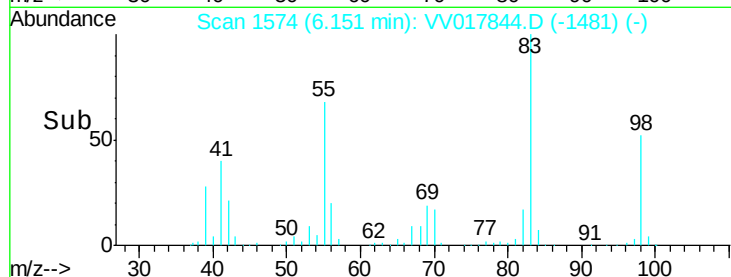
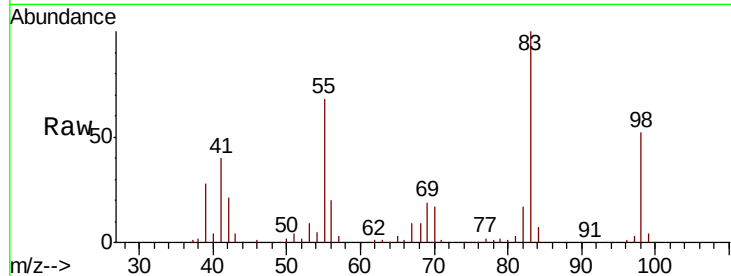




#35
Methylvlcyclohexane
Concen: 50.627 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

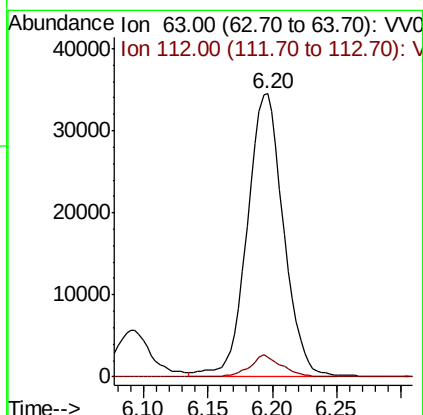
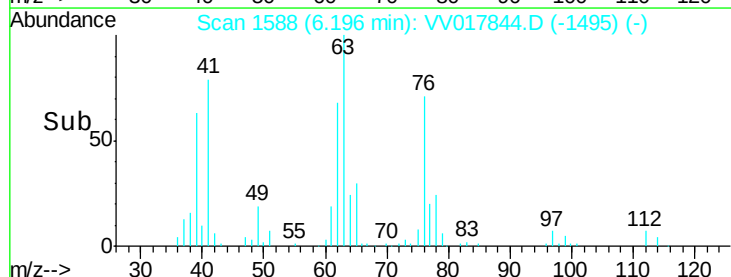
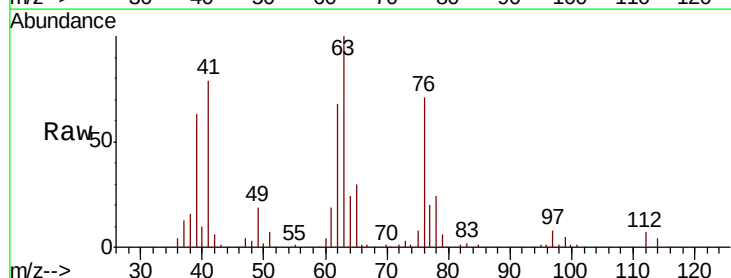
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

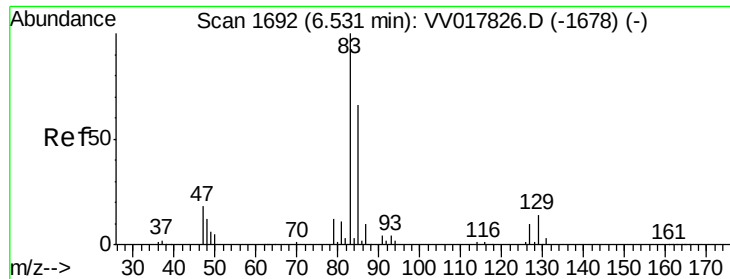
Tot Ion: 83 Resp: 128866
Ion Ratio Lower Upper
83 100
55 69.5 59.4 89.2
98 52.3 41.2 61.8



#37
1,2-Dichloropropane
Concen: 48.228 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

Tgt Ion: 63 Resp: 67487
Ion Ratio Lower Upper
63 100
112 6.7 4.6 6.8

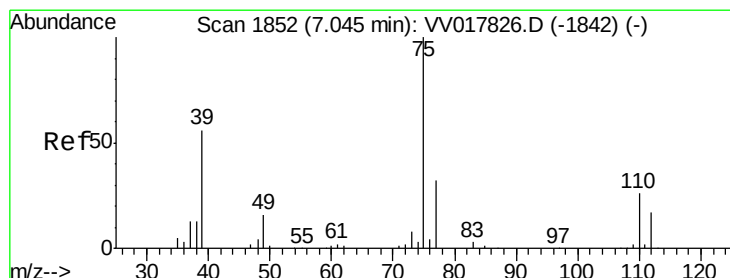
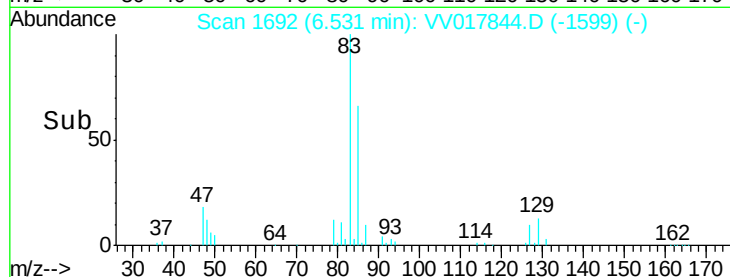
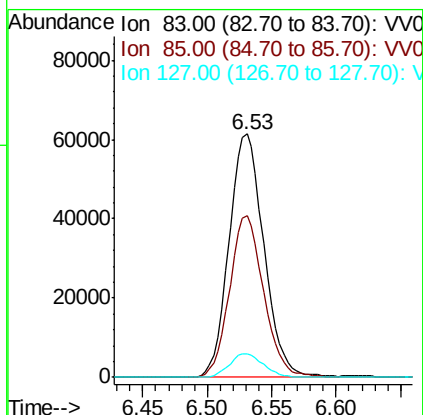
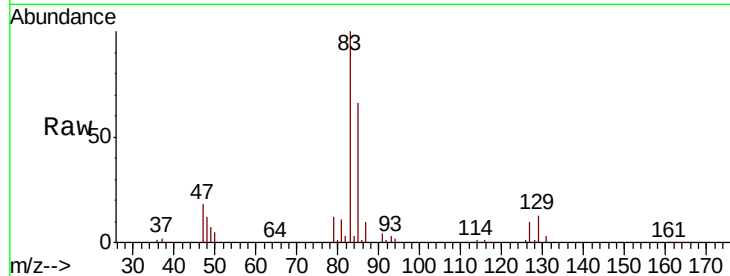




#38
 Bromodichloromethane
 Concen: 46.387 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

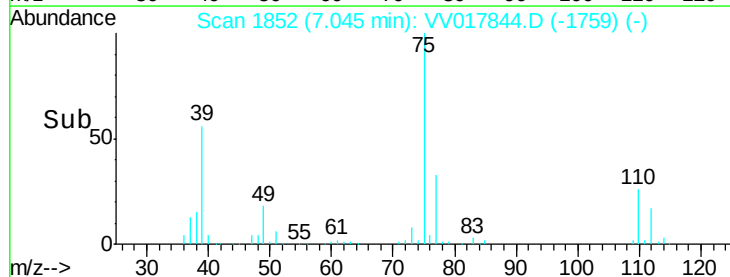
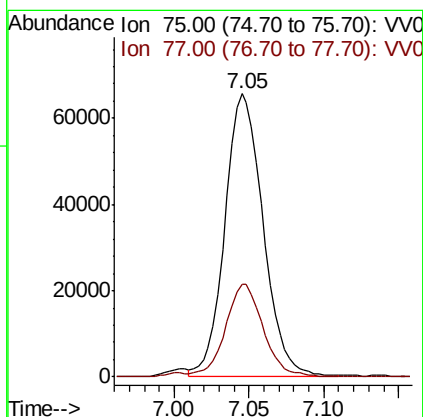
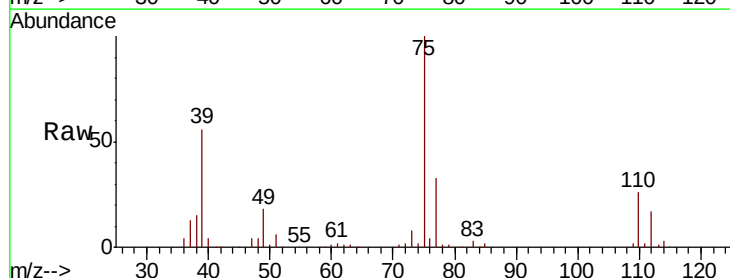
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

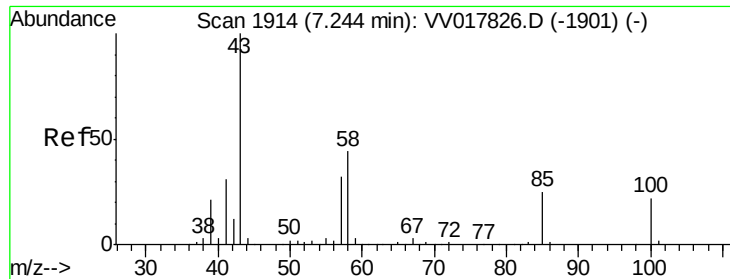
Tot Ion: 83 Resp: 115449
 Ion Ratio Lower Upper
 83 100
 85 66.2 44.8 83.2
 127 9.9 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 45.647 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

Tgt Ion: 75 Resp: 117294
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.2 43.0

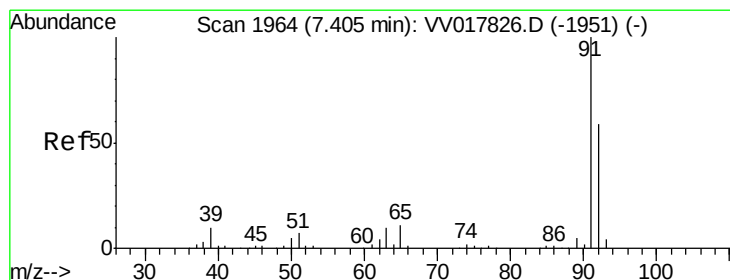
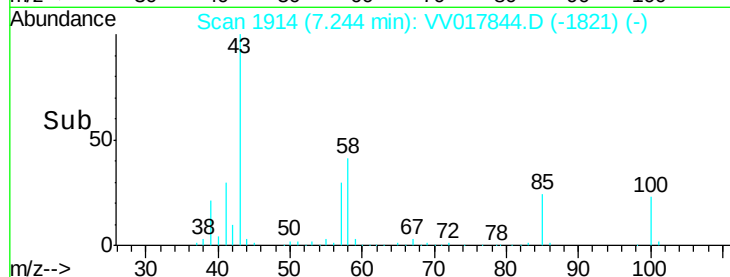
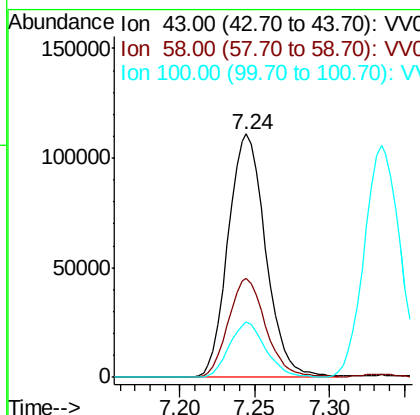
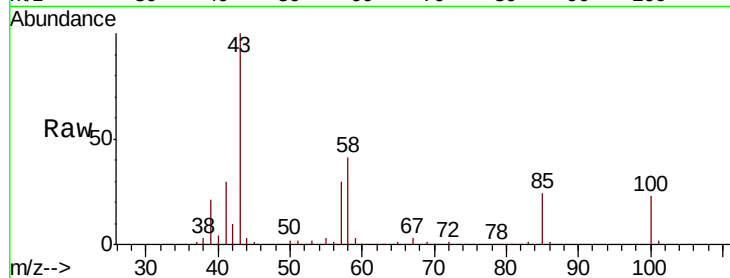




#40
4-Methyl-2-pentanone
Concen: 101.781 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

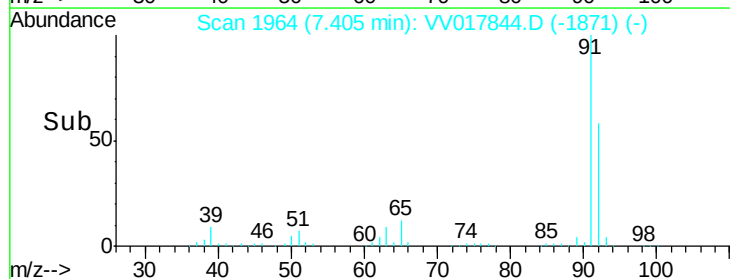
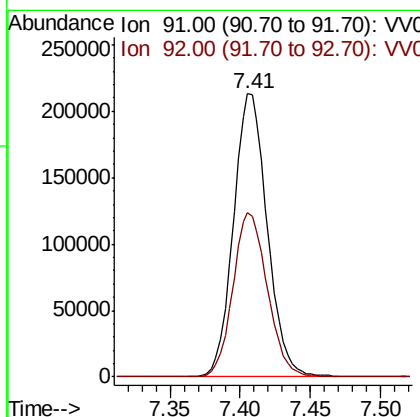
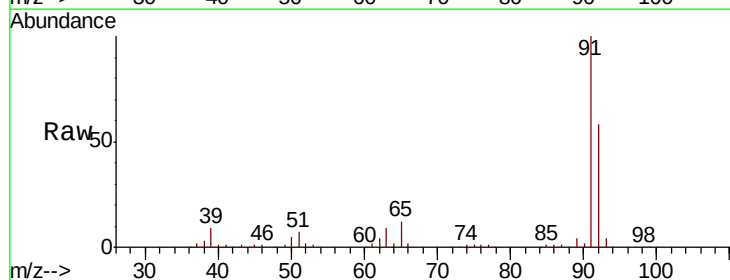
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

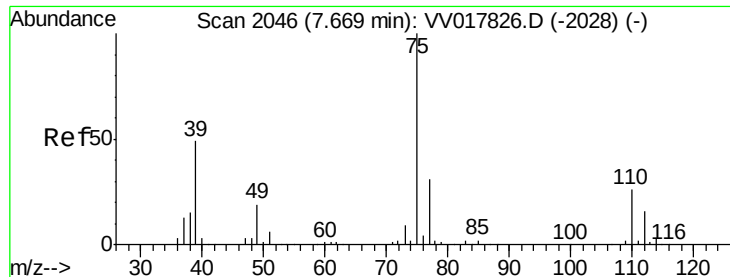
Tot Ion: 43 Resp: 194116
Ion Ratio Lower Upper
43 100
58 40.5 32.4 48.6
100 22.0 14.9 22.3



#42
Toluene
Concen: 52.751 ug/L
RT: 7.41 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

Tgt Ion: 91 Resp: 357765
Ion Ratio Lower Upper
91 100
92 58.1 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 46.926 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

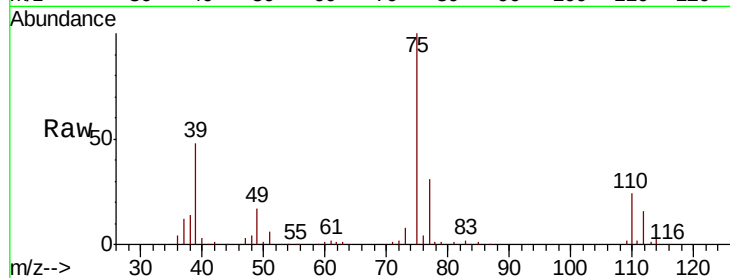
VSTD05092

Tot Ion: 75 Resp: 123749

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV017826.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV017826.D (-2028) (-)

7.67

80000

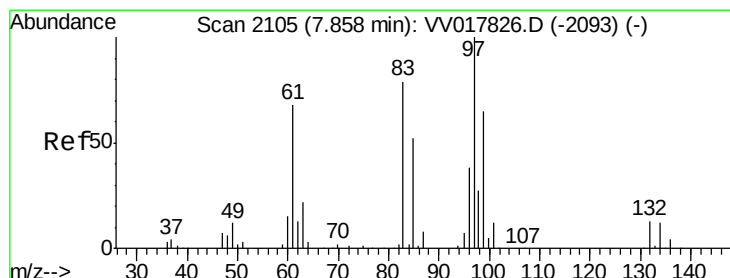
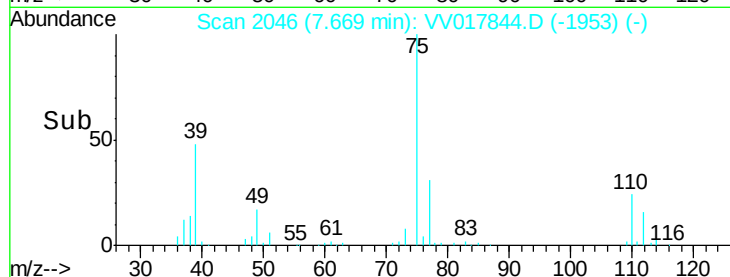
60000

40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#45

1,1,2-Trichloroethane

Concen: 54.039 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Tgt Ion: 97 Resp: 86124

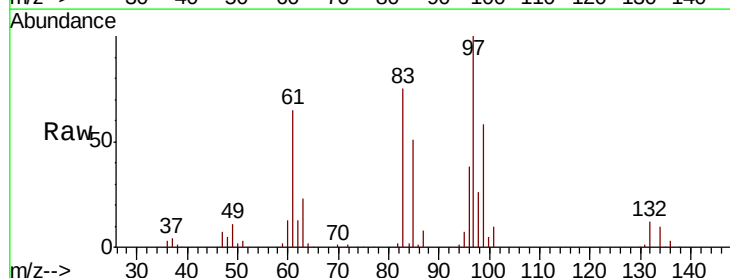
Ion Ratio Lower Upper

97 100

99 57.8 43.0 80.0

83 75.3 57.3 106.5

85 51.1 36.6 68.0



Abundance Ion 97.00 (96.70 to 97.70): VV017826.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV017826.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV017826.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV017826.D (-2093) (-)

80000

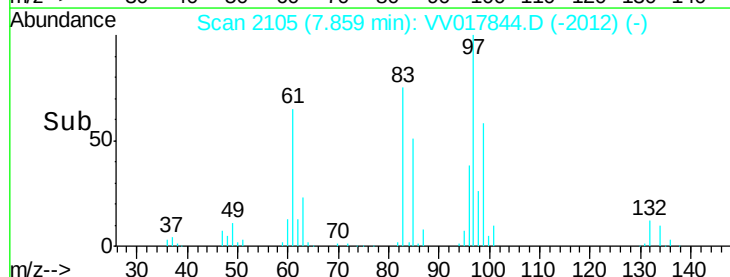
60000

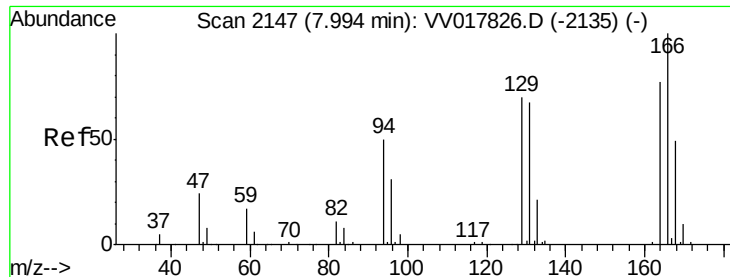
40000

20000

0

Time--> 7.80 7.85 7.90

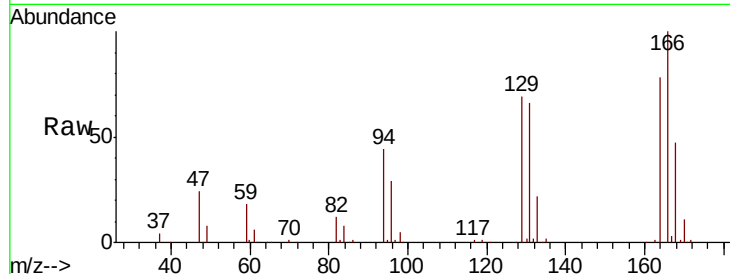




#46
Tetrachloroethene
Concen: 55.967 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion	Ratio	Lower	Upper
164	100		
129	88.7	63.9	118.7
131	84.9	62.6	116.3
166	128.8	88.3	164.1



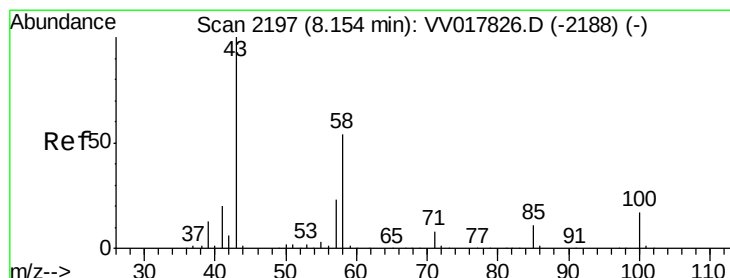
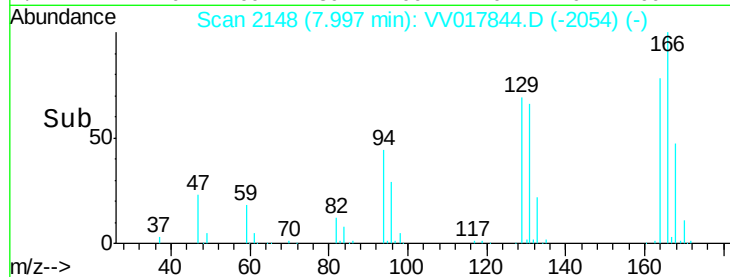
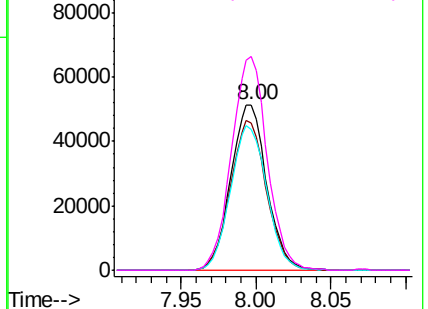
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

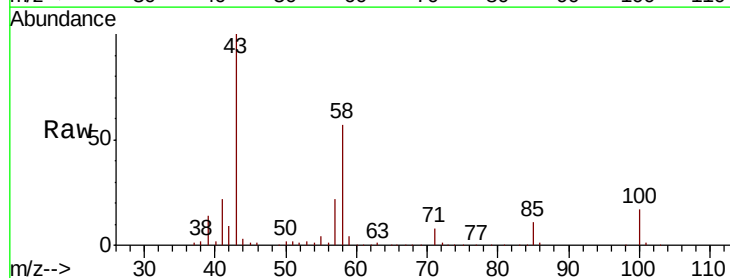
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 98.896 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017844.D
Acq: 07 Aug 2020 18:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.0	42.8	64.2
57	22.4	16.6	24.8
100	17.2	11.6	17.4



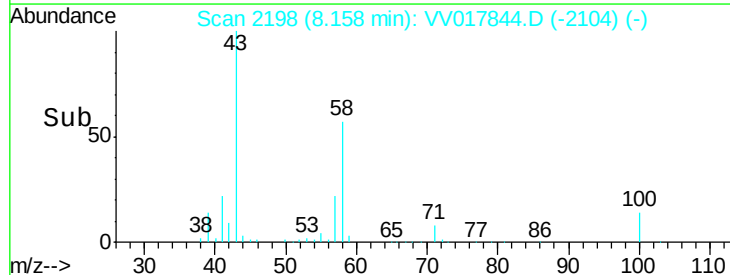
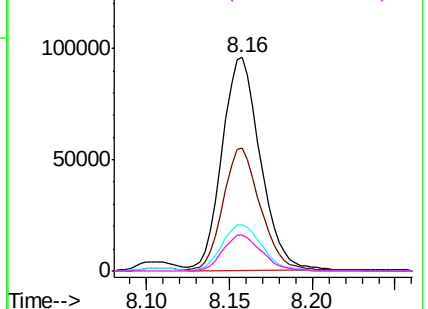
Abundance

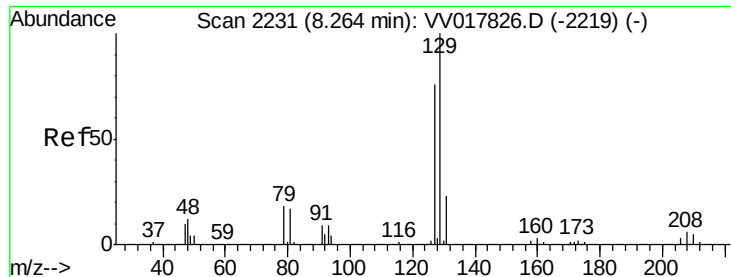
Ion 43.00 (42.70 to 43.70): VV0

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: 41.024 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

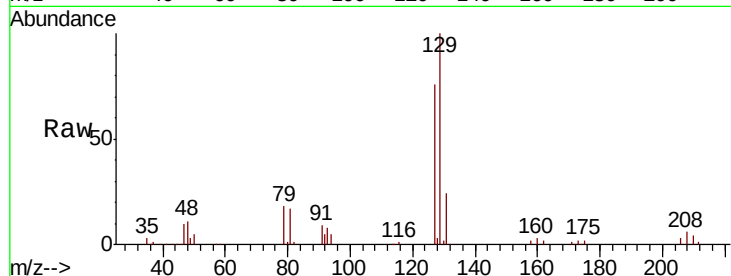
VSTD05092

Tot Ion:129 Resp: 85519

Ion Ratio Lower Upper

129 100

127 76.2 52.6 97.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

60000

50000

40000

30000

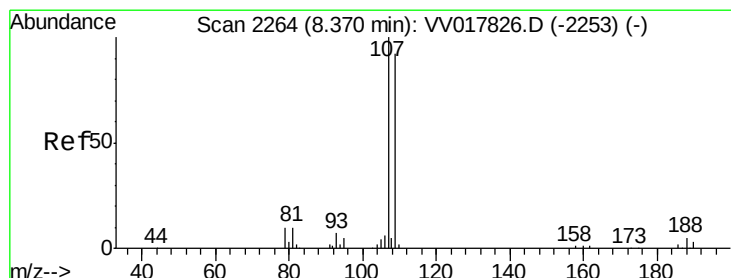
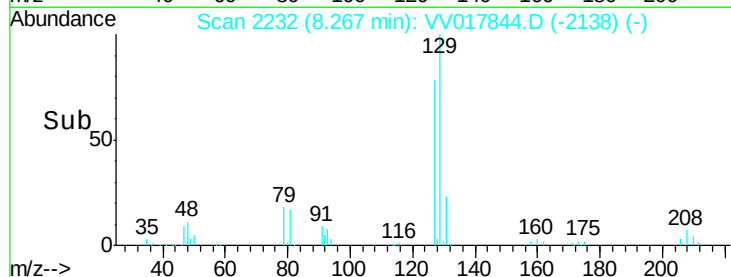
20000

10000

0

8.20 8.25 8.30

Time-->



#50

1,2-Dibromoethane

Concen: 55.075 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

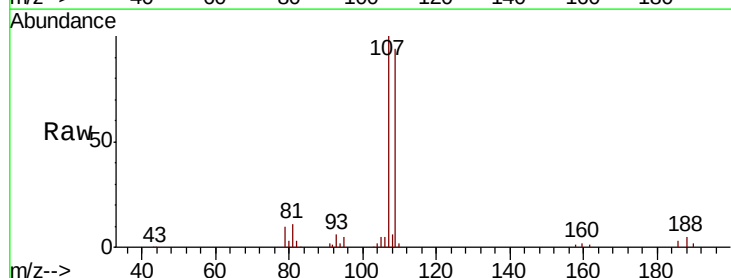
Tgt Ion:107 Resp: 95576

Ion Ratio Lower Upper

107 100

109 94.1 65.5 121.7

188 4.8 3.6 5.4



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

8.37

80000

60000

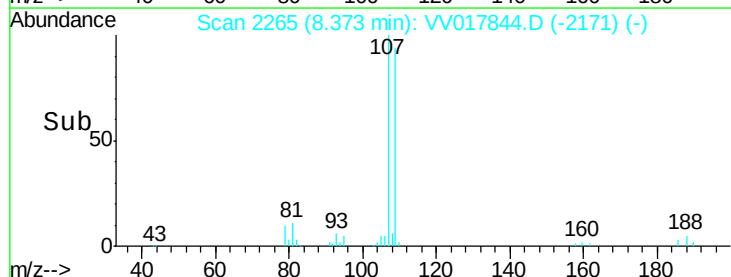
40000

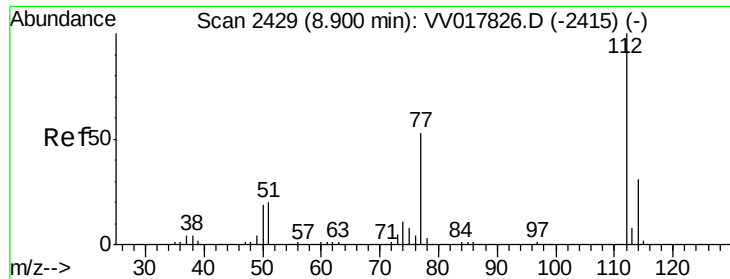
20000

0

8.30 8.35 8.40 8.45

Time-->





#51

Chlorobenzene

Concen: 53.542 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

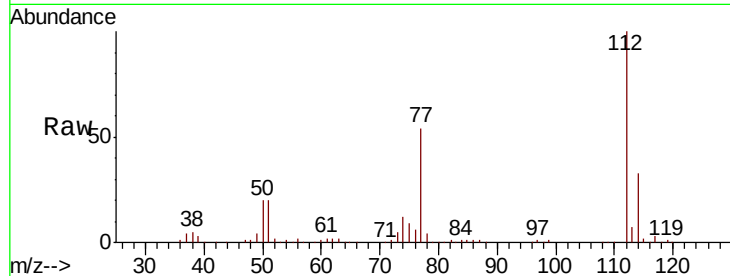
Tot Ion:112 Resp: 249140

Ion Ratio Lower Upper

112 100

114 33.2 22.7 42.1

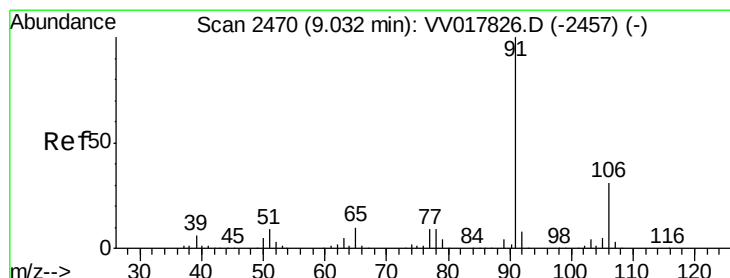
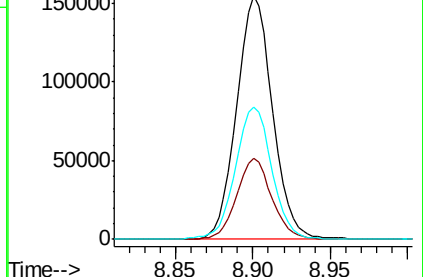
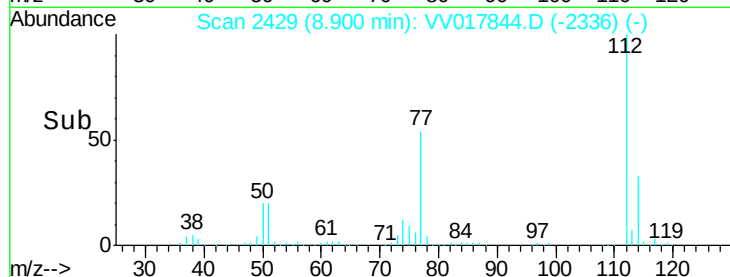
77 54.4 46.6 70.0



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: 53.074 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017844.D

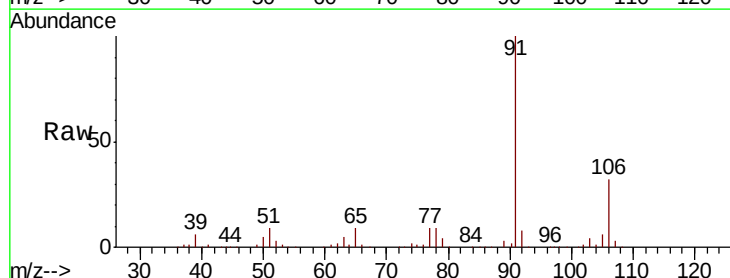
Acq: 07 Aug 2020 18:19

Tgt Ion: 91 Resp: 412401

Ion Ratio Lower Upper

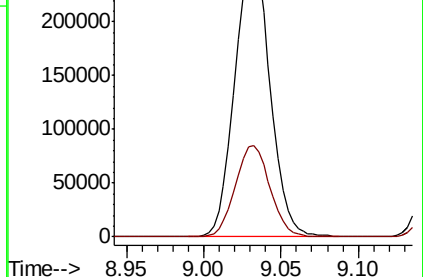
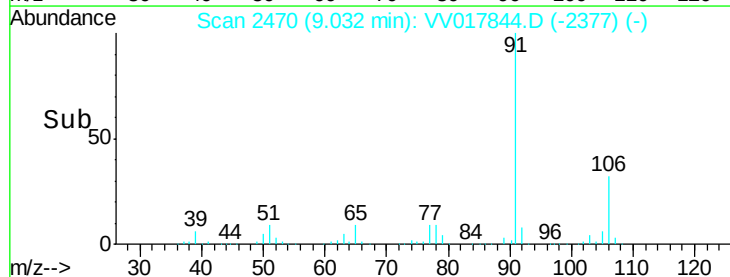
91 100

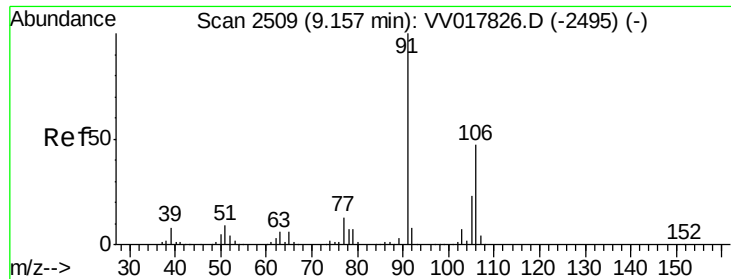
106 32.5 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 55.163 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

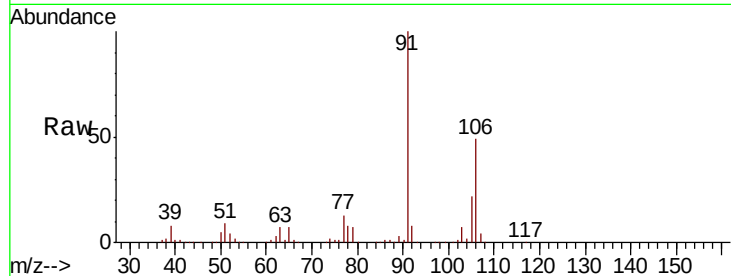
VSTD05092

Tot Ion:106 Resp: 164315

Ion Ratio Lower Upper

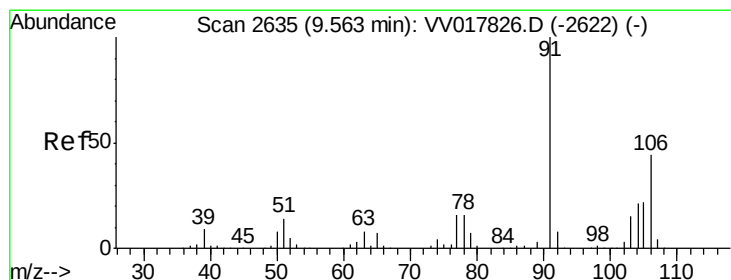
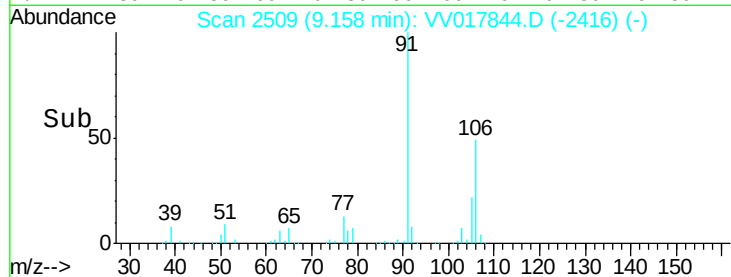
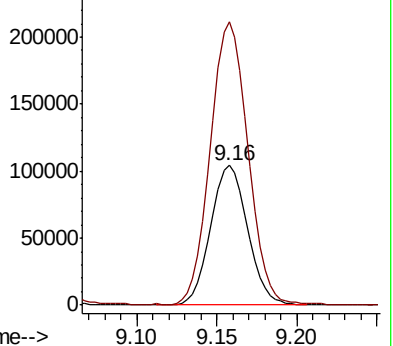
106 100

91 202.3 145.8 270.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 56.001 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017844.D

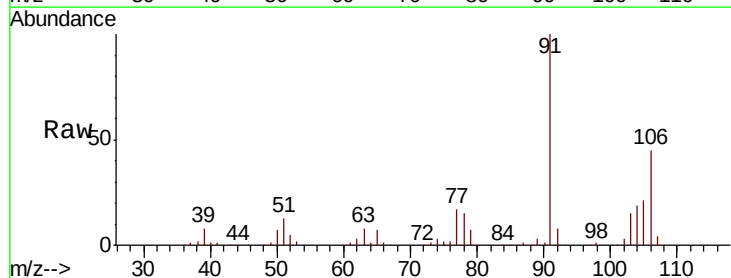
Acq: 07 Aug 2020 18:19

Tgt Ion:106 Resp: 161423

Ion Ratio Lower Upper

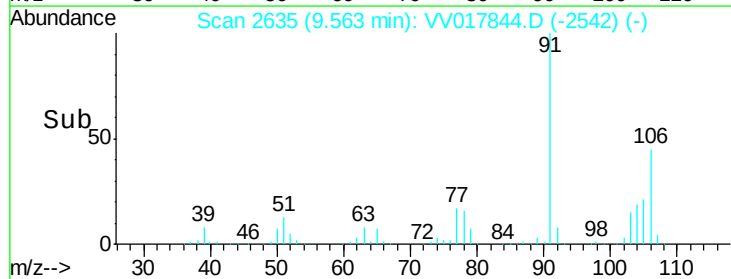
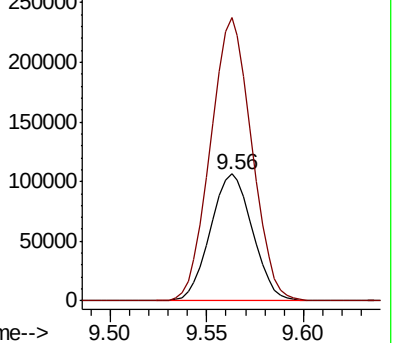
106 100

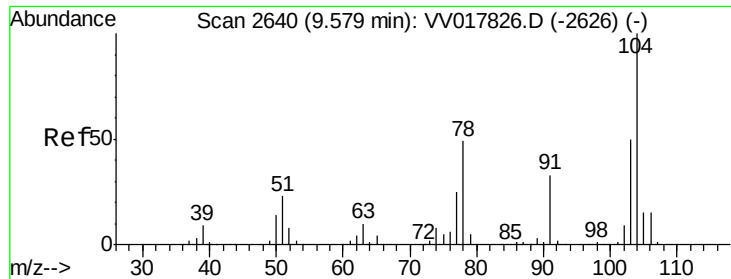
91 223.3 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 55.630 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

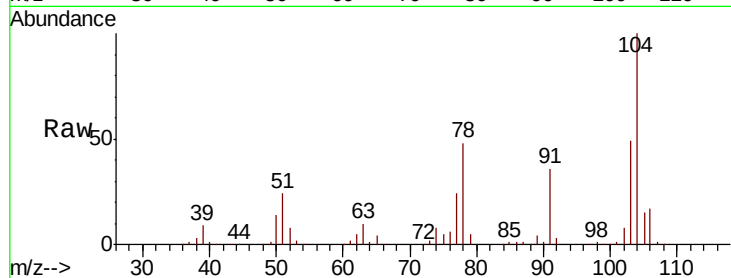
VSTD05092

Tot Ion:104 Resp: 278924

Ion Ratio Lower Upper

104 100

78 48.0 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.58

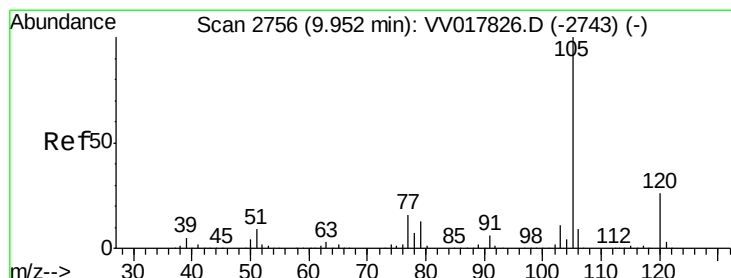
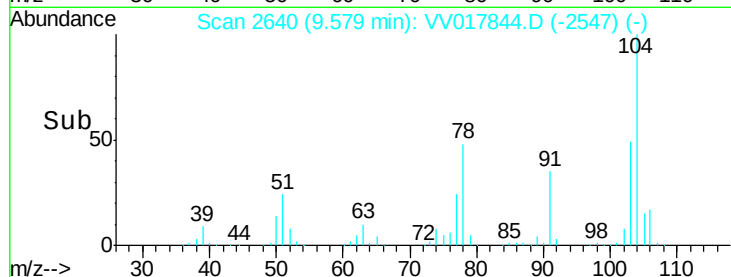
150000

100000

50000

0

Time-->



#56

Isopropylbenzene

Concen: 56.208 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

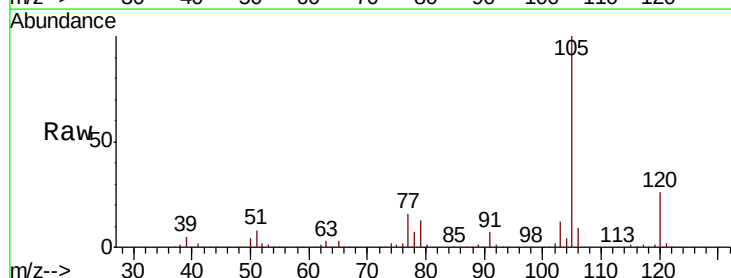
Tgt Ion:105 Resp: 443458

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

77 16.2 13.2 19.8



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

9.95

400000

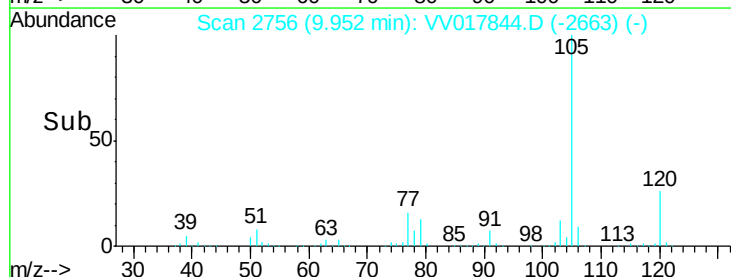
300000

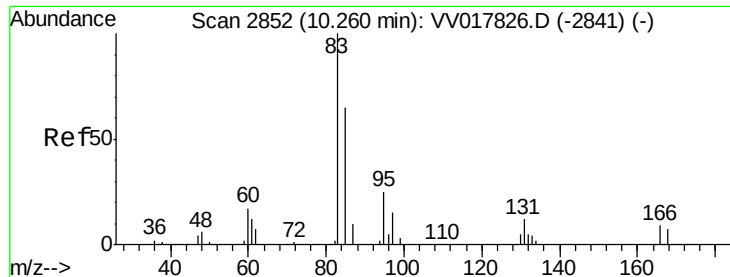
200000

100000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 51.771 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

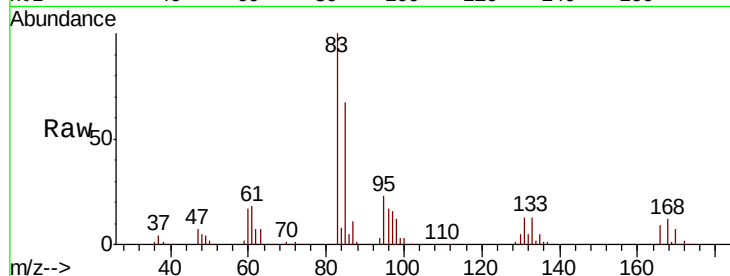
Tot Ion: 83 Resp: 120092

Ion Ratio Lower Upper

83 100

85 66.5 45.6 84.8

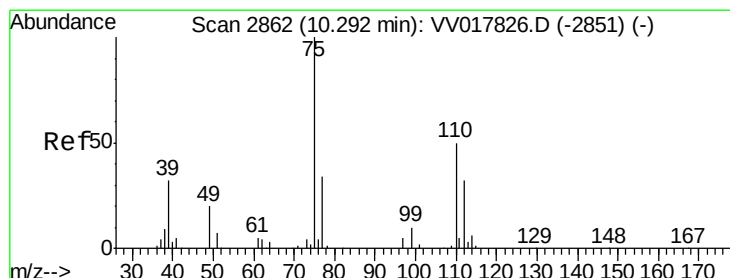
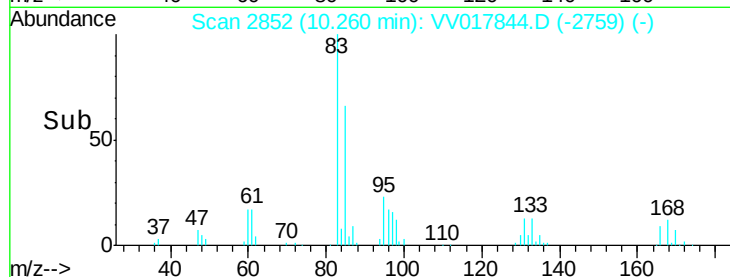
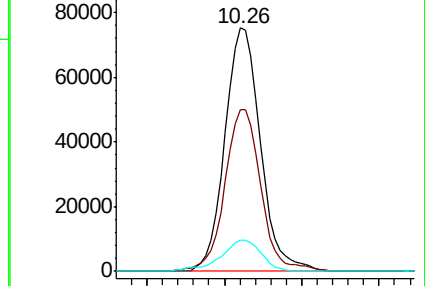
131 13.0 9.5 14.3



Abundance Ion 83.00 (82.70 to 83.70): VV017844.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV017844.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV017844.D (-2759) (-)



#59

1,2,3-Trichloropropane

Concen: 53.407 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017844.D

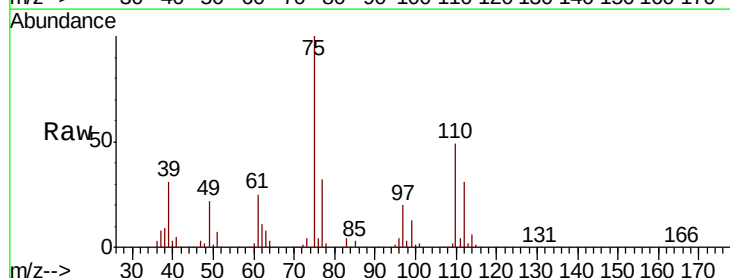
Acq: 07 Aug 2020 18:19

Tgt Ion: 75 Resp: 108759

Ion Ratio Lower Upper

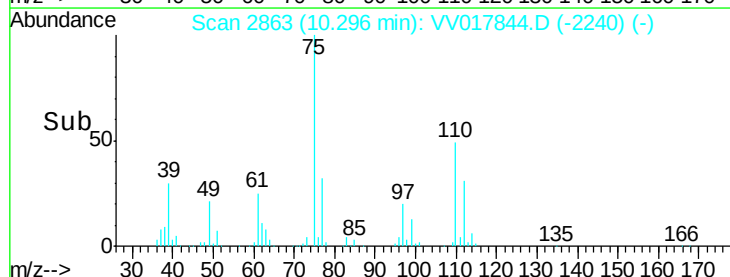
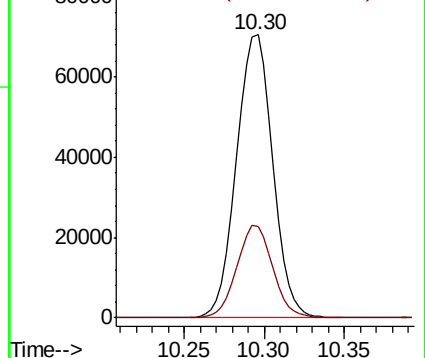
75 100

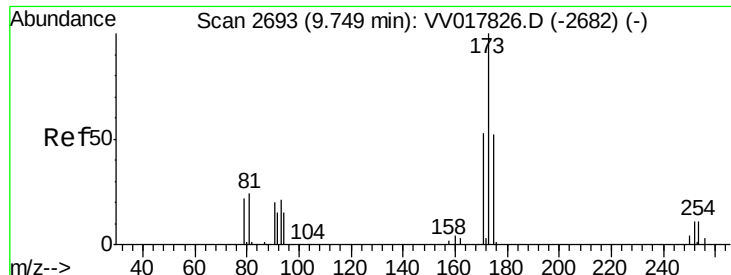
77 32.1 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VV017844.D (-2240) (-)

Ion 77.00 (76.70 to 77.70): VV017844.D (-2240) (-)





#61

Bromoform

Concen: 32.605 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

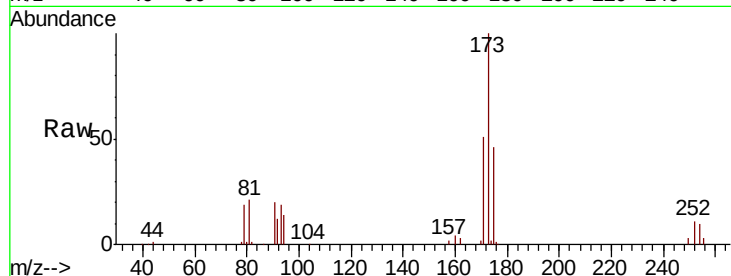
Tot Ion:173 Resp: 52635

Ion Ratio Lower Upper

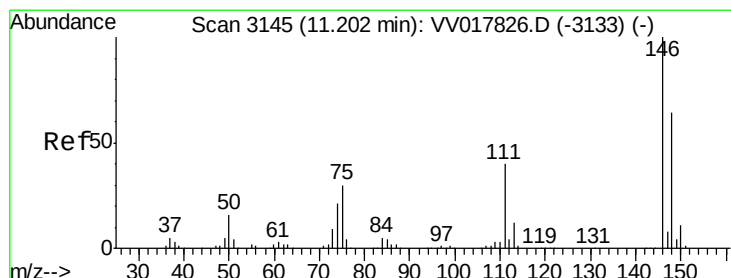
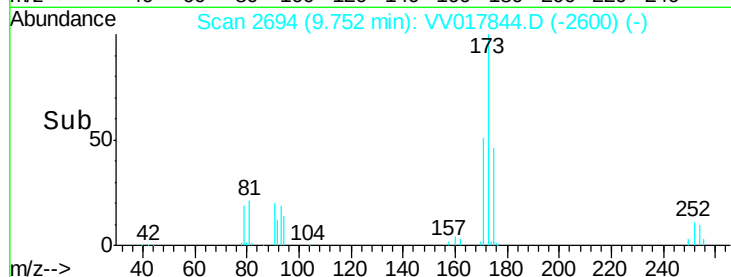
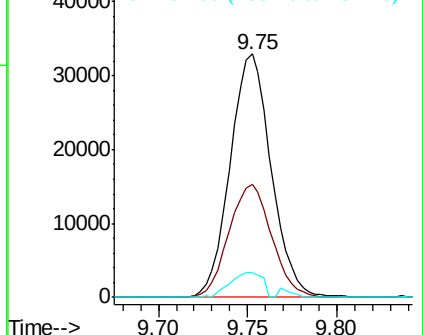
173 100

175 48.2 39.8 59.8

254 7.8 8.4 12.6#



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: 54.766 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017844.D

Acq: 07 Aug 2020 18:19

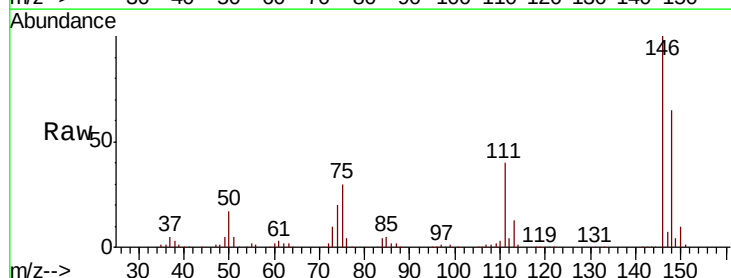
Tgt Ion:146 Resp: 228712

Ion Ratio Lower Upper

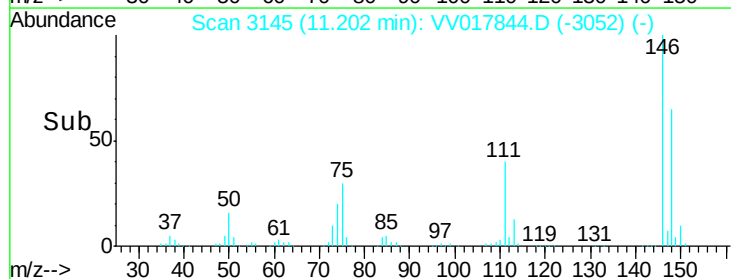
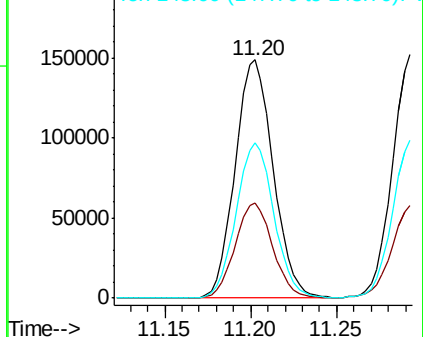
146 100

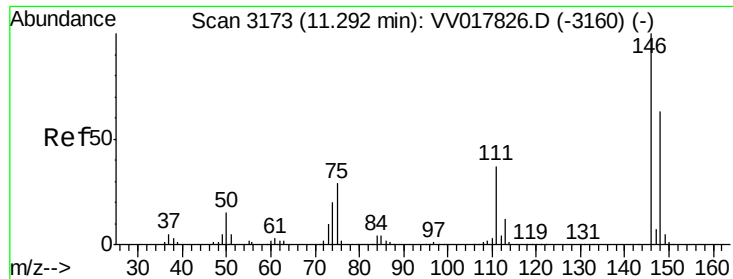
111 39.9 27.6 51.4

148 65.1 45.3 84.1



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

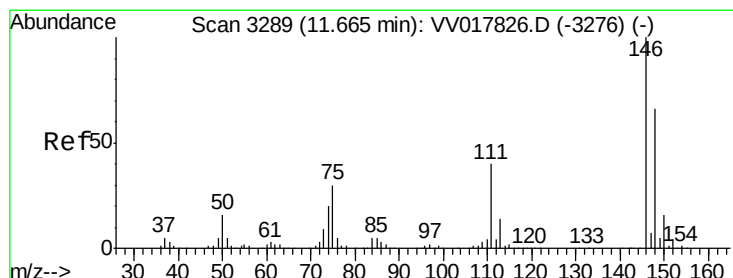
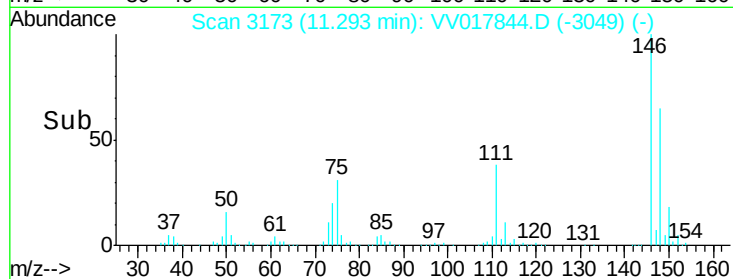
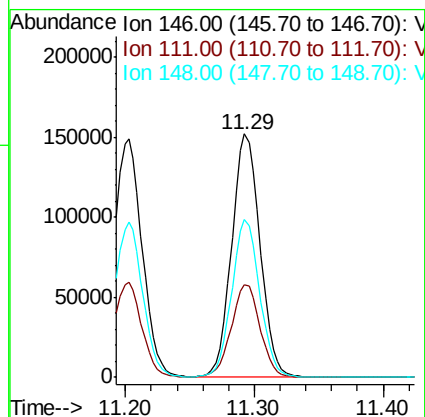
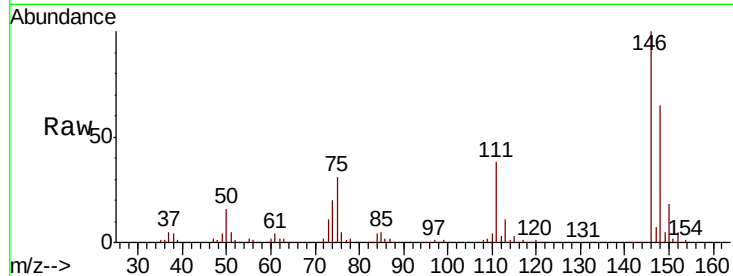




#63
 1,4-Dichlorobenzene
 Concen: 54.772 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

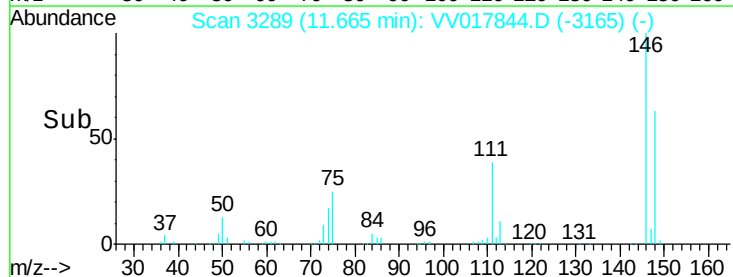
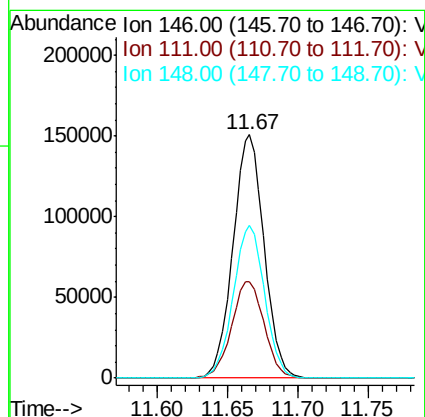
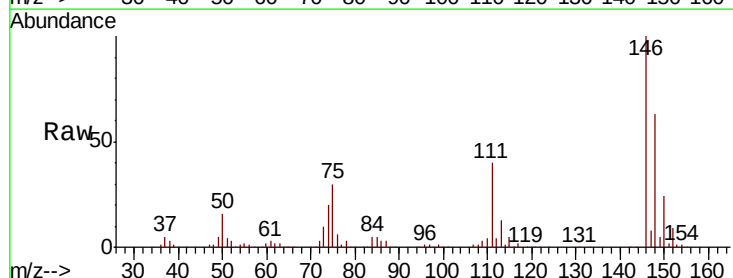
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

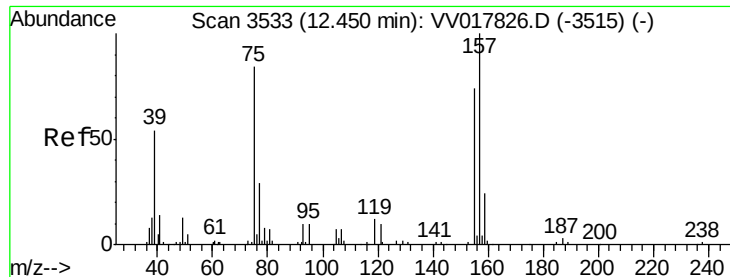
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.4	49.0
148	64.6	45.3	84.1



#65
 1,2-Dichlorobenzene
 Concen: 55.418 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	32.6	49.0
148	62.7	50.4	75.6

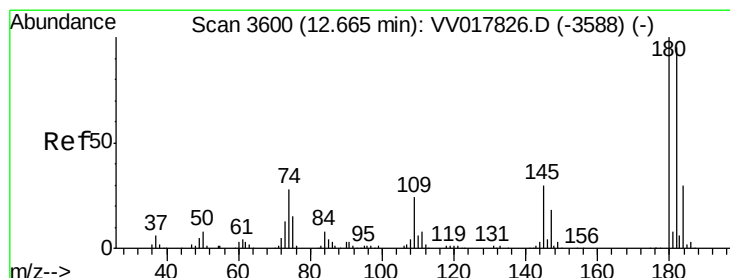
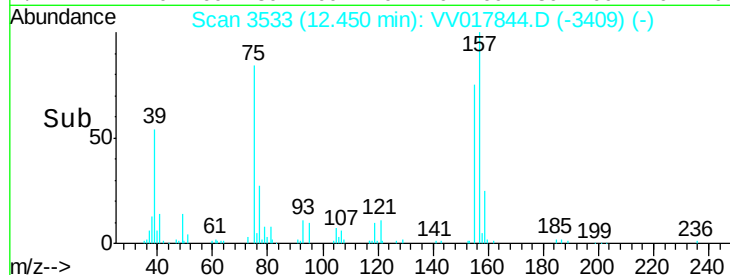
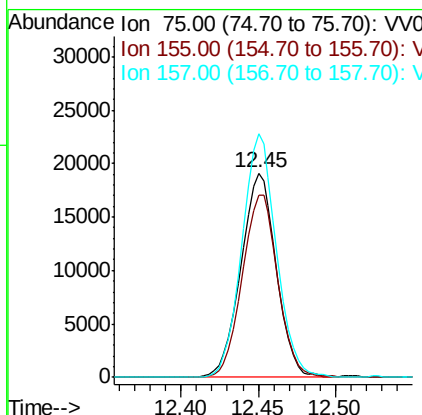
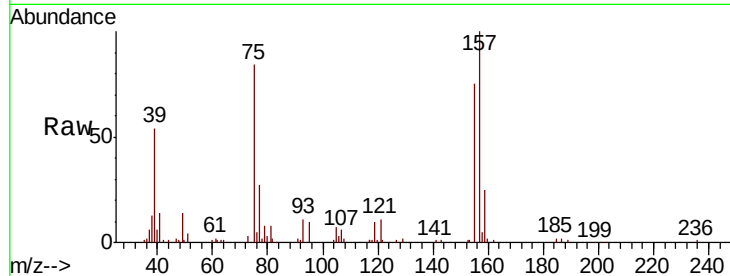




#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.088 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

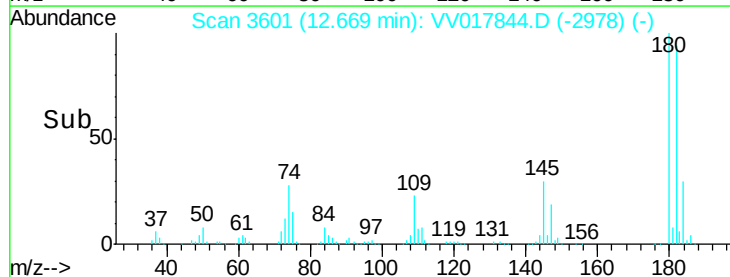
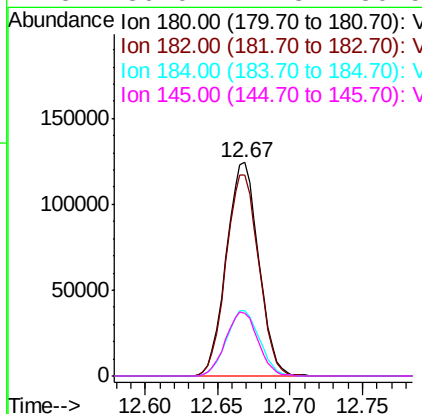
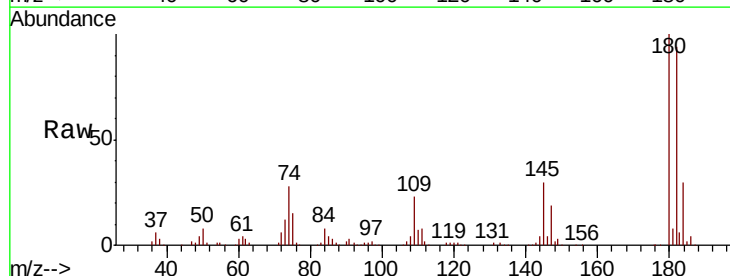
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

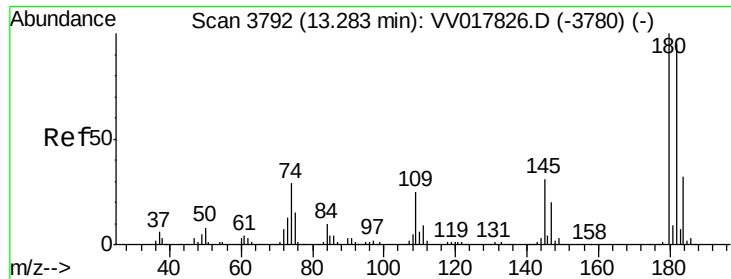
Tot Ion: 75 Resp: 30239
 Ion Ratio Lower Upper
 75 100
 155 88.9 70.2 105.2
 157 119.3 88.9 133.3



#67
 1,3,5-Trichlorobenzene
 Concen: 58.735 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

Tgt Ion:180 Resp: 191807
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.9 115.3
 184 31.3 25.1 37.7
 145 30.0 24.3 36.5

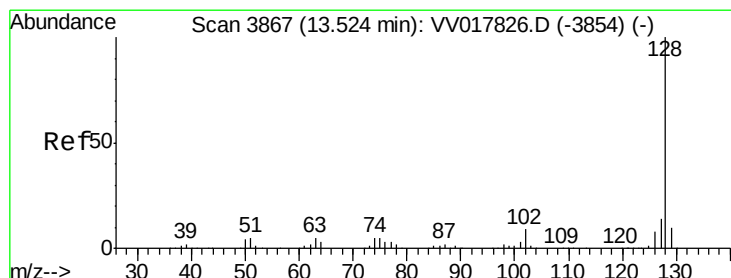
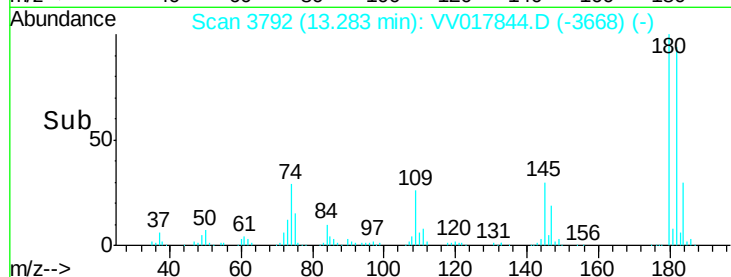
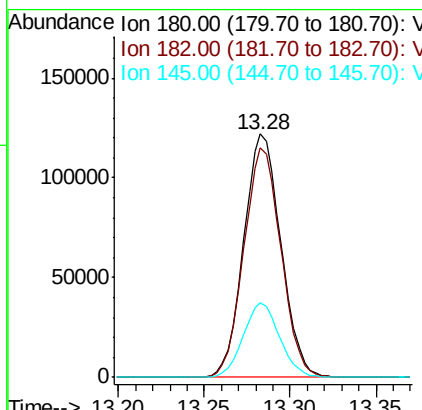
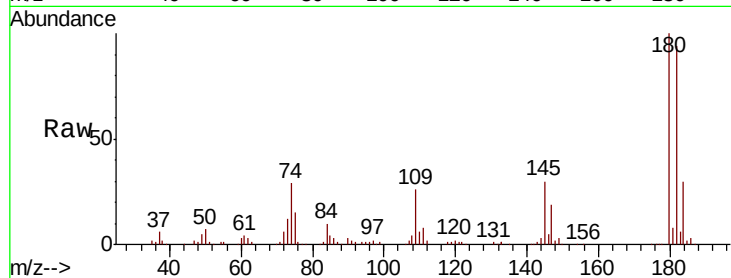




#68
 1,2,4-trichlorobenzene
 Concen: 64.553 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

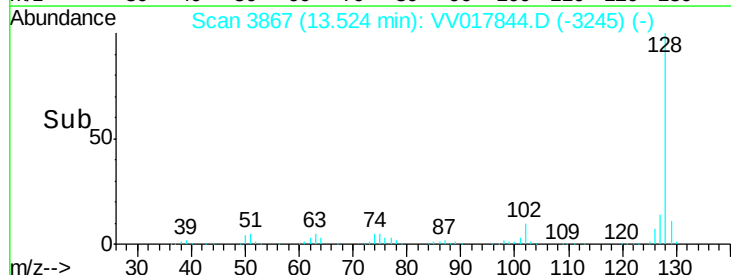
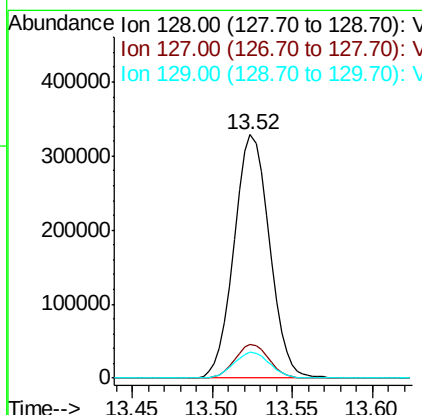
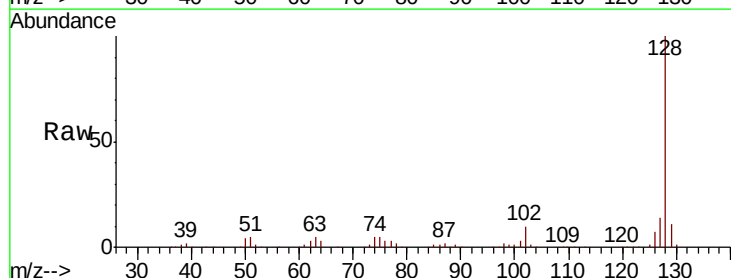
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

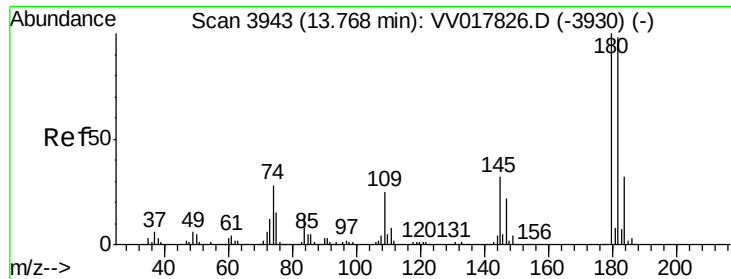
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.0	114.0
145	30.1	24.6	36.8



#69
 Naphthalene
 Concen: 66.185 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. 0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.8	8.4	12.6





#70
 1,2,3-Trichlorobenzene
 Concen: 66.342 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017844.D
 Acq: 07 Aug 2020 18:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.7	115.1
145	32.2	26.4	39.6

