

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122320\
 Data File : VV019824.D
 Acq On : 23 Dec 2020 20:11
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Quant Time: Dec 23 22:08:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 22:04:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	648744	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	618140	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	298191	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	249203	53.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.14%
7) Chloroethane-d5	1.57	69	196415	53.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.06%
11) 1,1-Dichloroethene-d2	2.11	63	453873	52.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.14%
21) 2-Butanone-d5	3.89	46	374652	148.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	148.17%#
24) Chloroform-d	4.35	84	454644	54.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.46%
26) 1,2-Dichloroethane-d4	5.04	65	308097	56.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.46%
32) Benzene-d6	5.05	84	881734	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.96%
36) 1,2-Dichloropropane-d6	6.07	67	283508	54.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.80%
41) Toluene-d8	7.32	98	771306	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%
43) trans-1,3-Dichloropropene-	7.62	79	137867	46.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.86%
47) 2-Hexanone-d5	8.09	63	246686	121.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.71%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	376912	53.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.92%
64) 1,2-Dichlorobenzene-d4	11.63	152	286292	51.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	215391	41.141	ug/L 99
3) Chloromethane	1.24	50	262704	47.207	ug/L 99
5) Vinyl chloride	1.31	62	259946	46.569	ug/L 99
6) Bromomethane	1.52	94	149646	44.641	ug/L 99
8) Chloroethane	1.59	64	161292	47.905	ug/L 99
9) Trichlorofluoromethane	1.75	101	321612	47.158	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	178736	47.457	ug/L 97
13) Acetone	2.18	43	256549	119.099	ug/L 98
14) Carbon disulfide	2.30	76	499079	39.301	ug/L 99
15) Methyl Acetate	2.43	43	276576	58.932	ug/L 97
16) Methylene chloride	2.51	84	230069	50.773	ug/L 96
17) trans-1,2-Dichloroethene	2.76	96	199487	47.092	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	730289	49.336	ug/L 99
19) 1,1-Dichloroethane	3.19	63	427348	52.035	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	229046	49.186	ug/L # 95
22) 2-Butanone	3.97	43	386934	122.458	ug/L 96
23) Bromochloromethane	4.25	128	112497	49.099	ug/L 93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122320\
 Data File : VV019824.D
 Acq On : 23 Dec 2020 20:11
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Quant Time: Dec 23 22:08:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 22:04:07 2020
 Response via : Initial Calibration

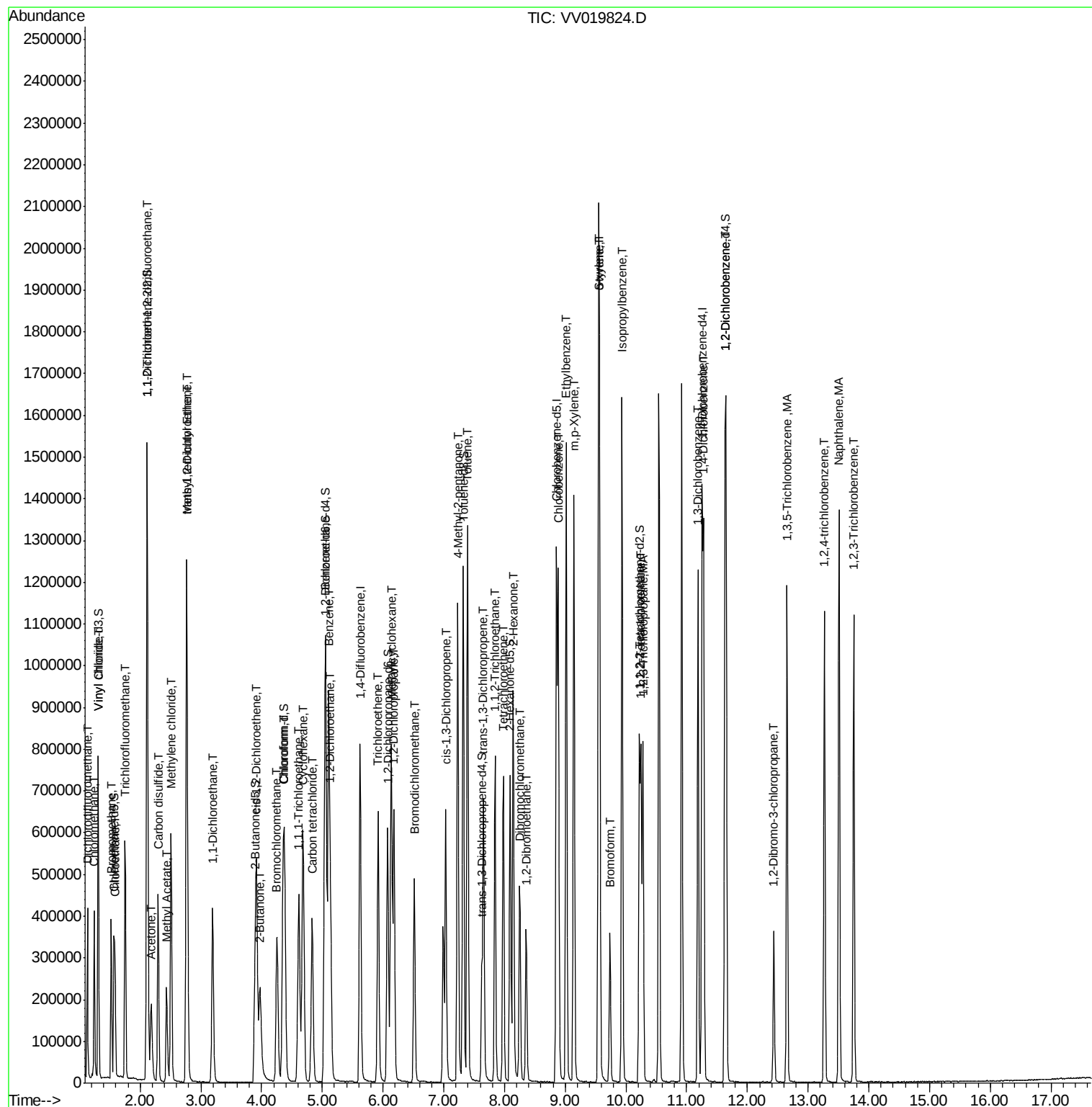
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.38	83	426483	51.996	ug/L	98
27) 1,2-Dichloroethane	5.14	62	350866	51.635	ug/L	99
29) Cyclohexane	4.68	56	337281	44.520	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	358258	46.223	ug/L	99
31) Carbon tetrachloride	4.83	117	286591	43.801	ug/L	99
33) Benzene	5.11	78	885407	49.011	ug/L	100
34) Trichloroethene	5.92	95	227282	47.626	ug/L	98
35) Methylcyclohexane	6.14	83	325153	44.849	ug/L	99
37) 1,2-Dichloropropane	6.18	63	247922	52.550	ug/L	100
38) Bromodichloromethane	6.51	83	312112	47.310	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	373785	47.703	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	764349	112.298	ug/L	98
42) Toluene	7.39	91	908349	47.706	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	361898	45.613	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	224282	50.061	ug/L	97
46) Tetrachloroethene	7.98	164	146851	44.471	ug/L	98
48) 2-Hexanone	8.14	43	585934	113.452	ug/L	97
49) Dibromochloromethane	8.25	129	225324	45.925	ug/L	99
50) 1,2-Dibromoethane	8.36	107	233217	49.433	ug/L	99
51) Chlorobenzene	8.89	112	583077	47.947	ug/L	100
52) Ethylbenzene	9.02	91	1030654	47.510	ug/L	100
53) m,p-Xylene	9.14	106	372227	45.928	ug/L	97
54) o-xylene	9.55	106	372540	46.896	ug/L	99
55) Styrene	9.57	104	660367	47.696	ug/L	99
56) Isopropylbenzene	9.94	105	988316	46.700	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	368797	51.188	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	315818	53.818	ug/L	99
61) Bromoform	9.74	173	143139	43.383	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	437659	47.838	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	444570	47.988	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	448911	49.657	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.43	75	89462	47.408	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	314553	48.663	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	294610	48.746	ug/L	99
69) Naphthalene	13.51	128	997079	47.512	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	292206	49.474	ug/L	99

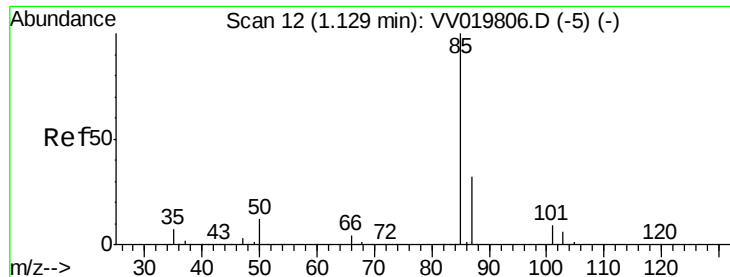
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV122320\
Data File : VV019824.D
Acq On : 23 Dec 2020 20:11
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

Quant Time: Dec 23 22:08:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 23 22:04:07 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 41.141 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

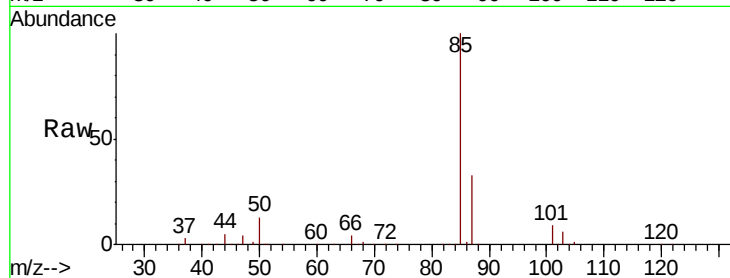
VSTD05072

Tot Ion: 85 Resp: 215391

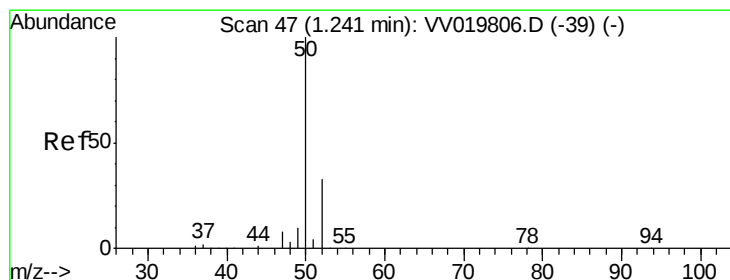
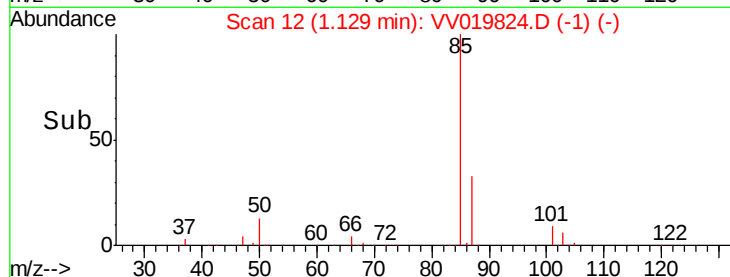
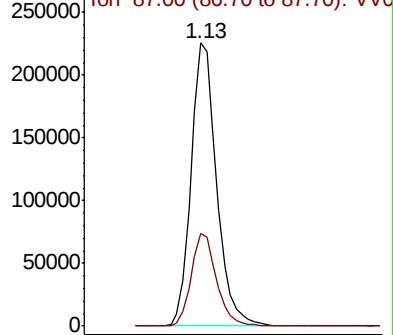
Ion Ratio Lower Upper

85 100

87 32.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019824.D (-1) (-)



#3

Chloromethane

Concen: 47.207 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019824.D

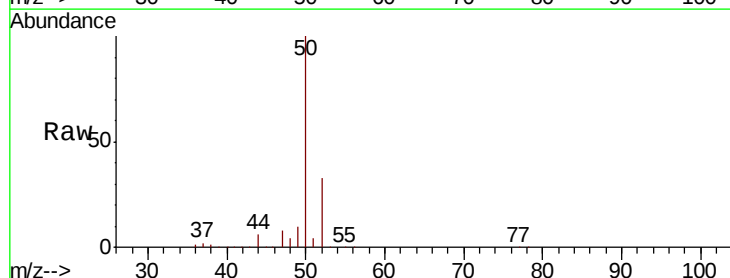
Acq: 23 Dec 2020 20:11

Tgt Ion: 50 Resp: 262704

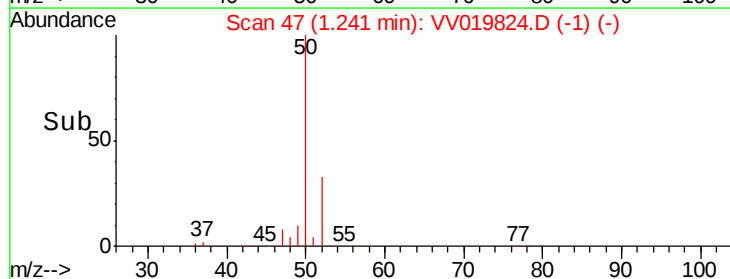
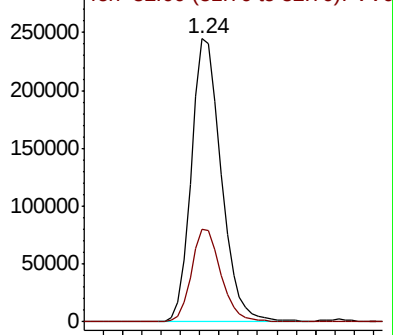
Ion Ratio Lower Upper

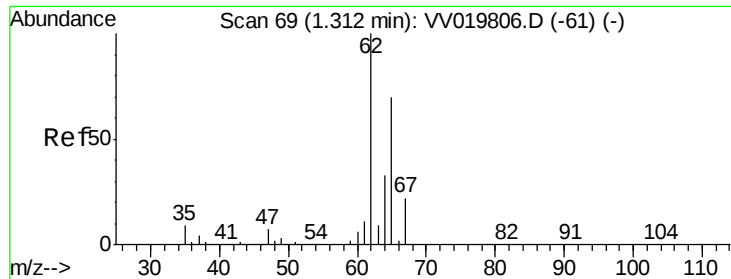
50 100

52 32.8 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019824.D (-1) (-)





#5

Vinyl chloride

Concen: 46.569 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

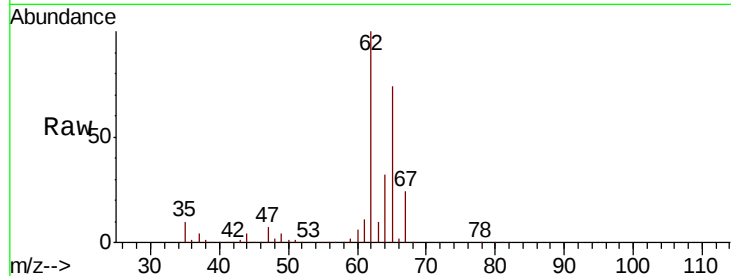
VSTD05072

Tot Ion: 62 Resp: 259946

Ion Ratio Lower Upper

62 100

64 31.7 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

250000

200000

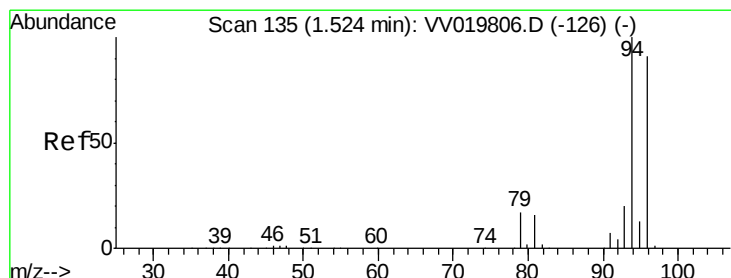
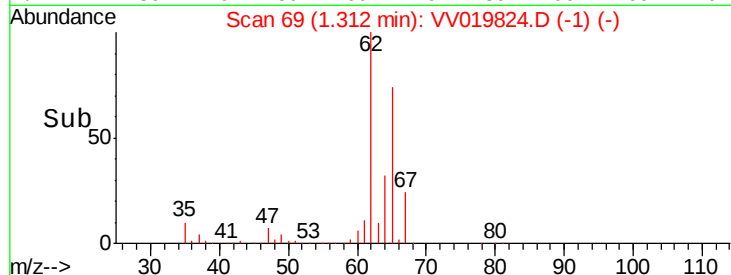
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 44.641 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019824.D

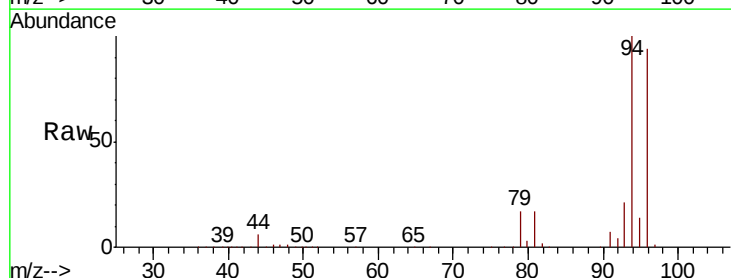
Acq: 23 Dec 2020 20:11

Tgt Ion: 94 Resp: 149646

Ion Ratio Lower Upper

94 100

96 94.3 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

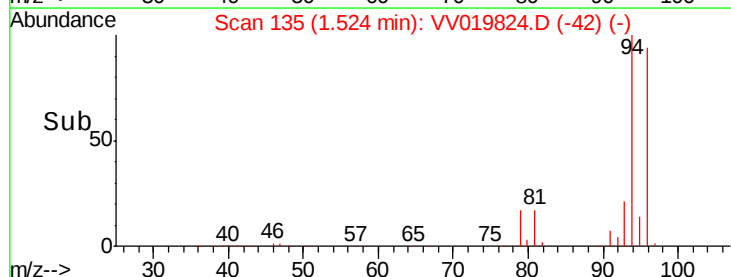
150000

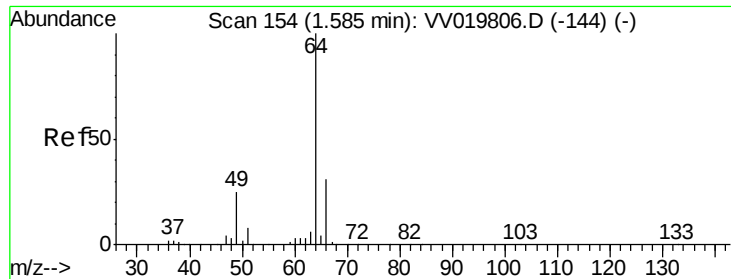
100000

50000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 47.905 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

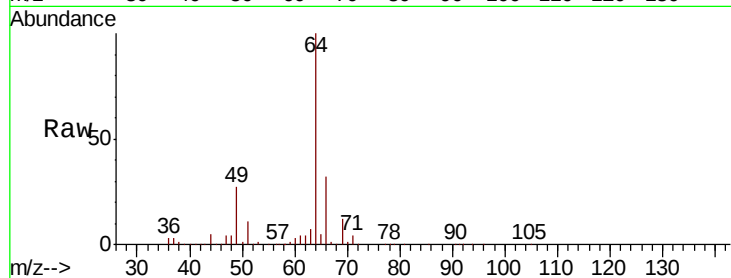
VSTD05072

Tot Ion: 64 Resp: 161292

Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019806.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV019824.D (-82) (-)

150000

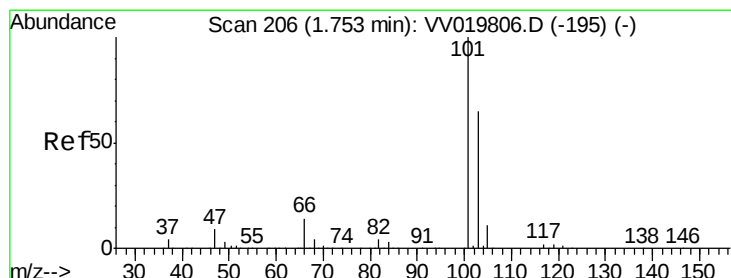
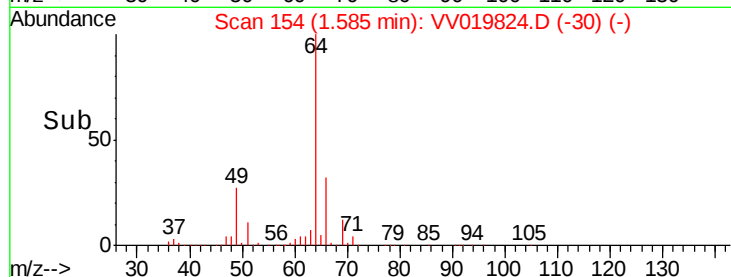
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 47.158 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV019824.D

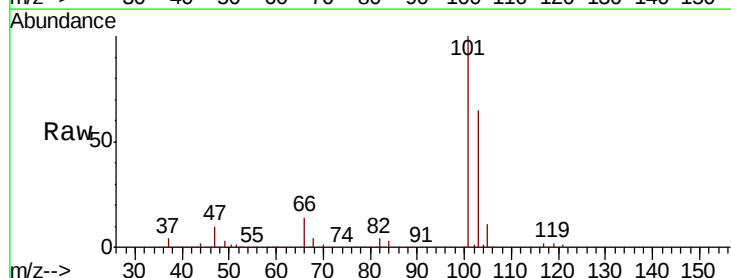
Acq: 23 Dec 2020 20:11

Tgt Ion: 101 Resp: 321612

Ion Ratio Lower Upper

101 100

103 64.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019806.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV019824.D (-82) (-)

250000

200000

150000

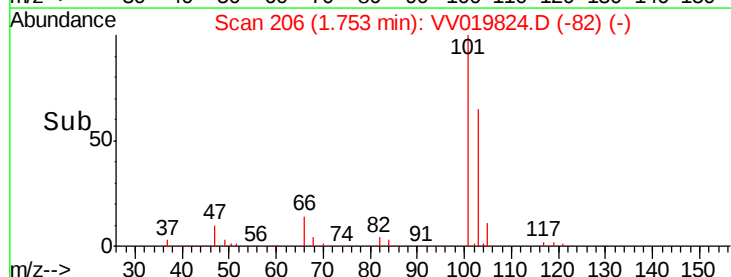
100000

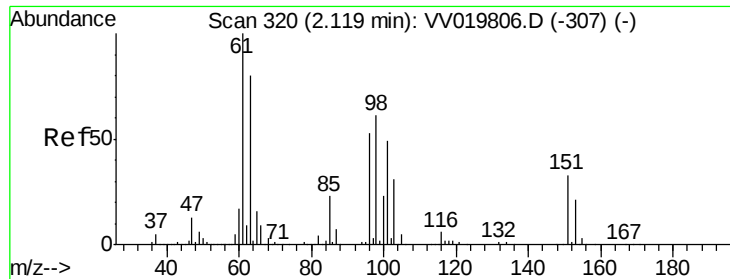
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 47.457 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

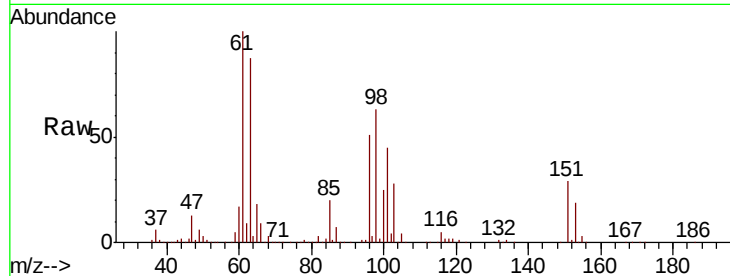
Tot Ion:101 Resp: 178736

Ion Ratio Lower Upper

101 100

85 45.6 35.0 52.4

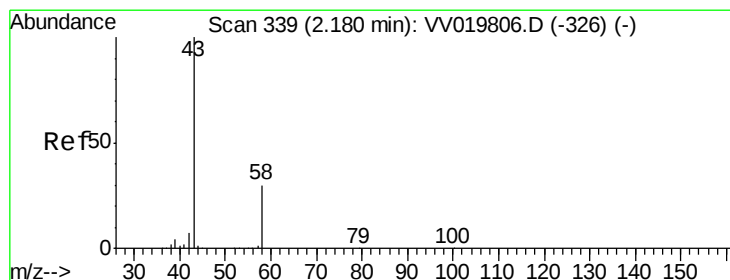
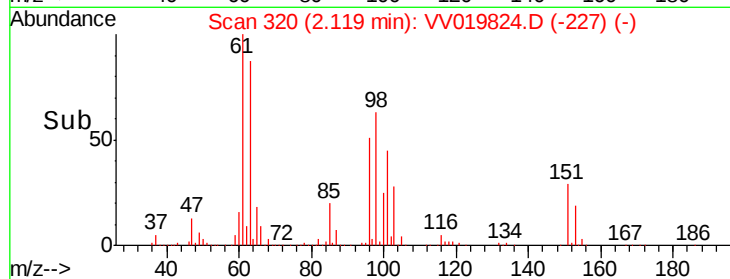
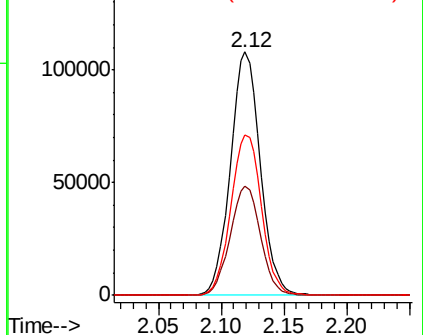
151 67.7 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019824.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019824.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019824.D (-227) (-)



#13

Acetone

Concen: 119.099 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV019824.D

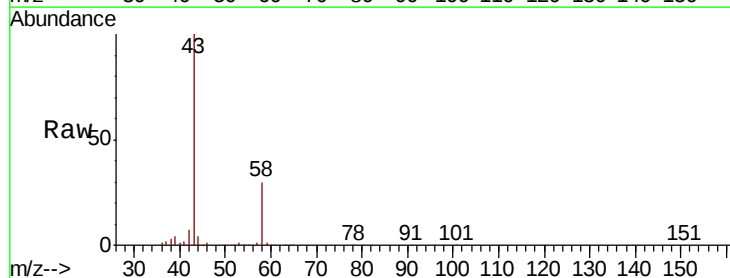
Acq: 23 Dec 2020 20:11

Tgt Ion: 43 Resp: 256549

Ion Ratio Lower Upper

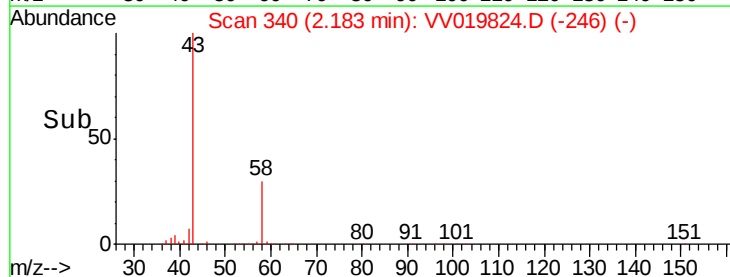
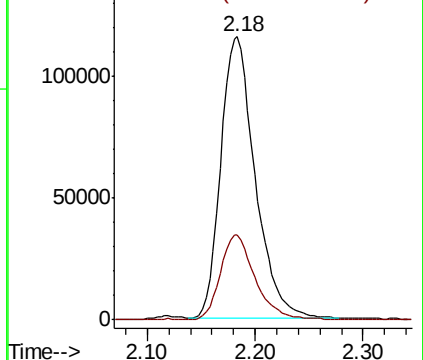
43 100

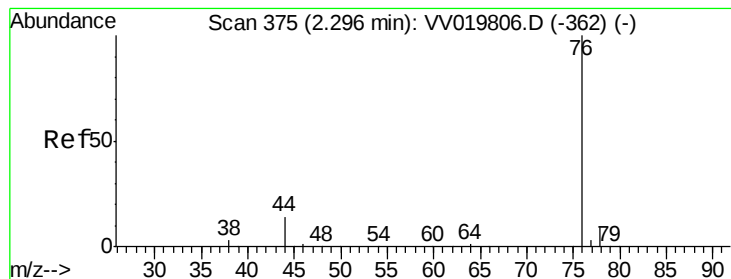
58 29.8 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019824.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV019824.D (-246) (-)





#14

Carbon disulfide

Concen: 39.301 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

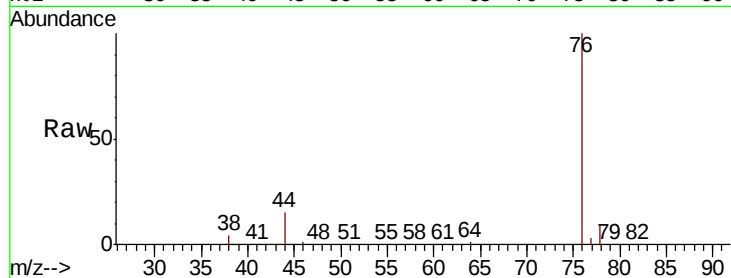
VSTD05072

Tot Ion: 76 Resp: 499079

Ion Ratio Lower Upper

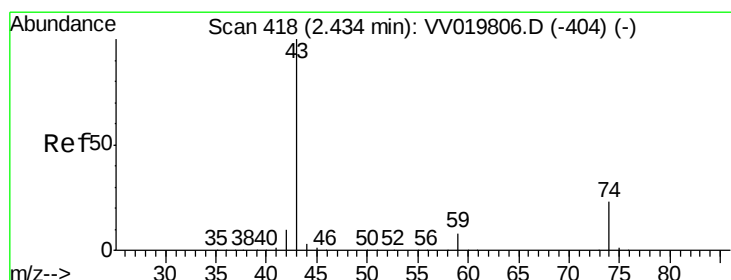
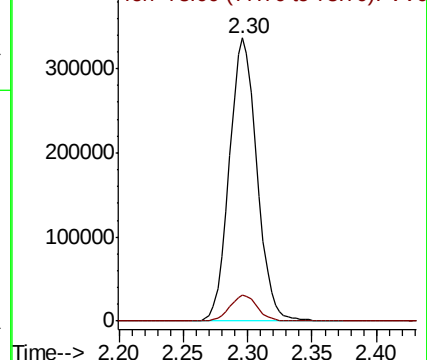
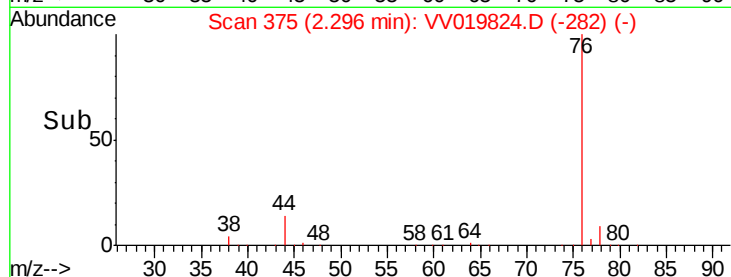
76 100

78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019824.D (-282) (-)

Ion 78.00 (77.70 to 78.70): VV019824.D (-282) (-)



#15

Methyl Acetate

Concen: 58.932 ug/L

RT: 2.43 min Scan# 418

Delta R.T. -0.00 min

Lab File: VV019824.D

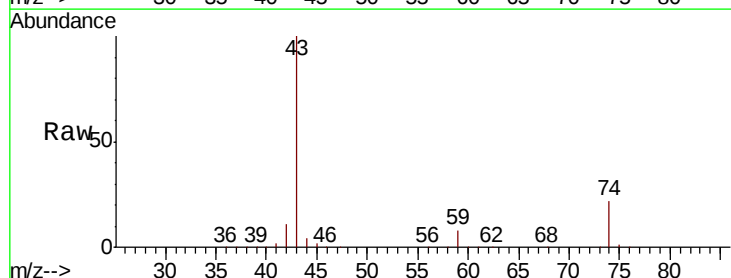
Acq: 23 Dec 2020 20:11

Tgt Ion: 43 Resp: 276576

Ion Ratio Lower Upper

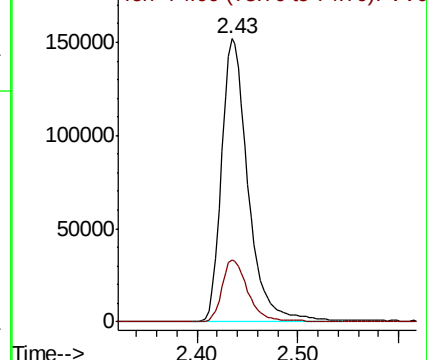
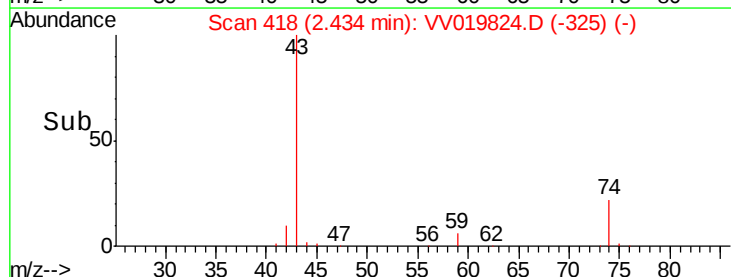
43 100

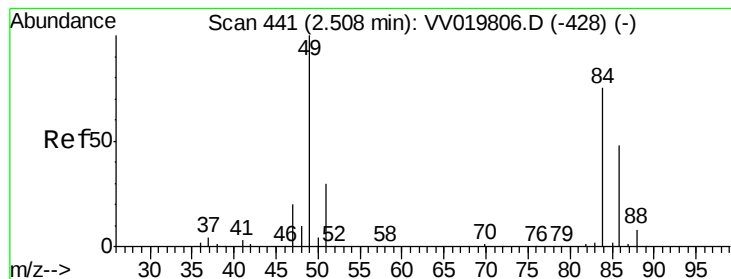
74 21.5 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV019824.D (-325) (-)

Ion 74.00 (73.70 to 74.70): VV019824.D (-325) (-)





#16

Methylene chloride

Concen: 50.773 ug/L

RT: 2.51 min Scan# 441

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

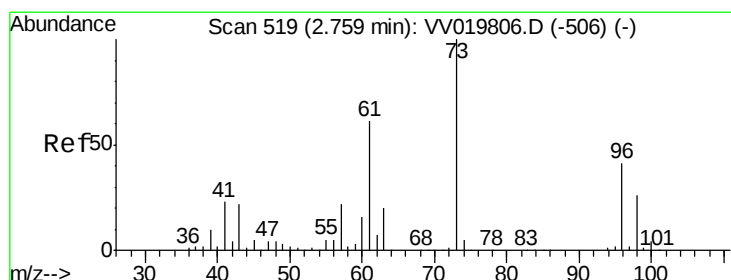
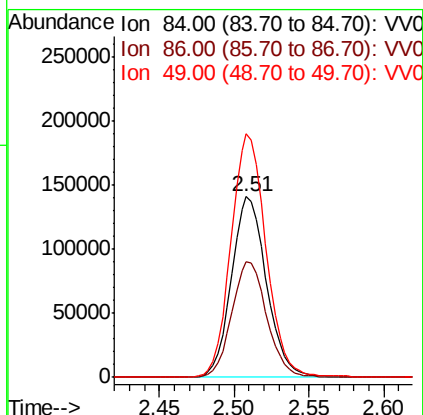
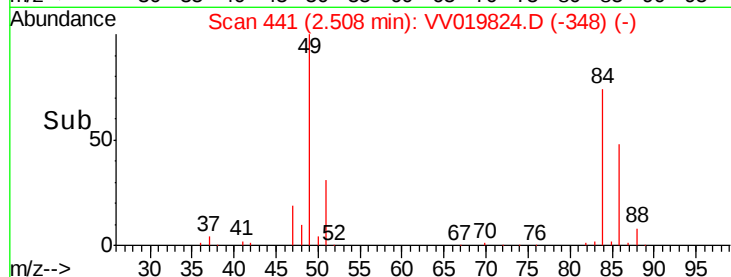
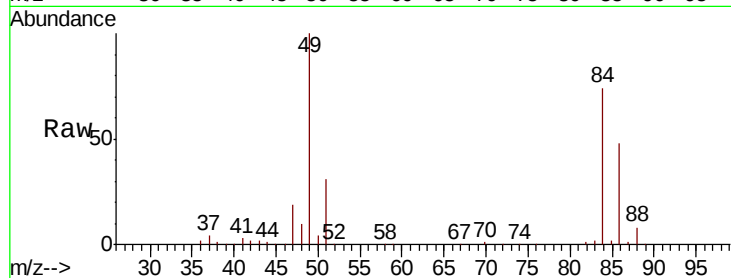
Tot Ion: 84 Resp: 230069

Ion Ratio Lower Upper

84 100

86 64.0 45.7 84.9

49 134.7 90.6 168.3



#17

trans-1,2-Dichloroethene

Concen: 47.092 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

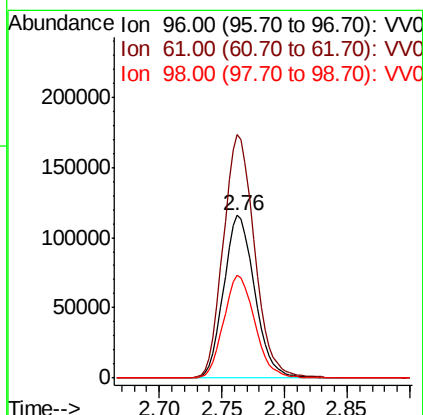
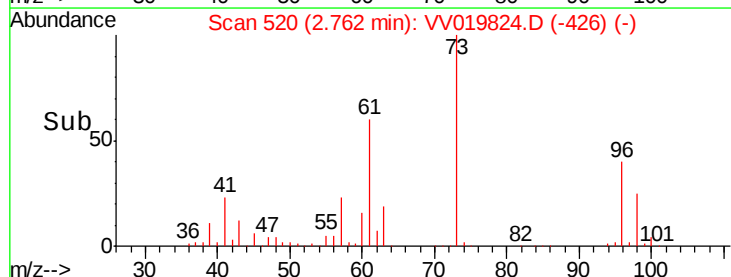
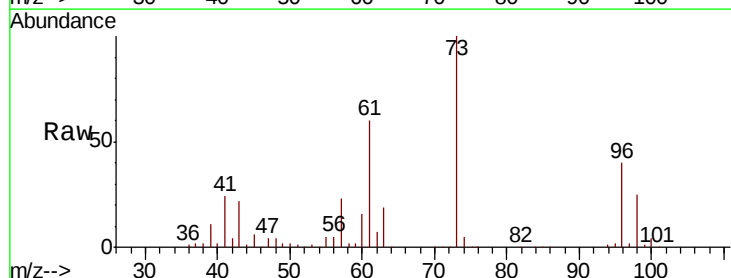
Tgt Ion: 96 Resp: 199487

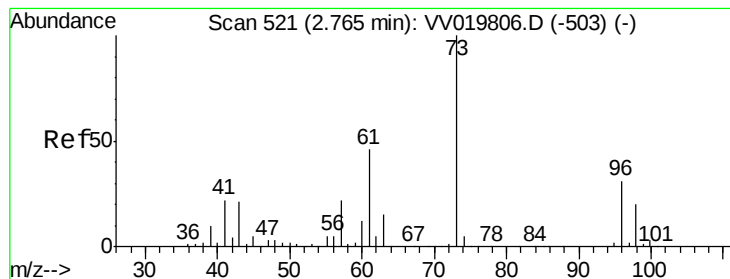
Ion Ratio Lower Upper

96 100

61 149.7 103.5 192.1

98 63.1 44.4 82.5



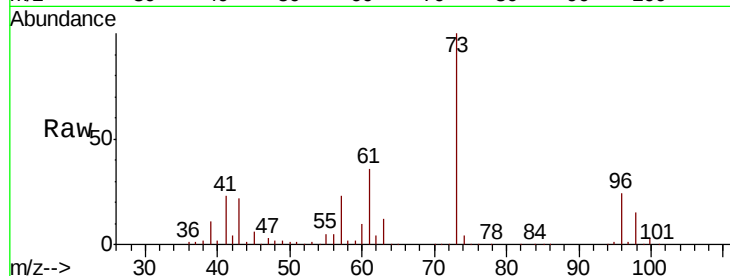


#18

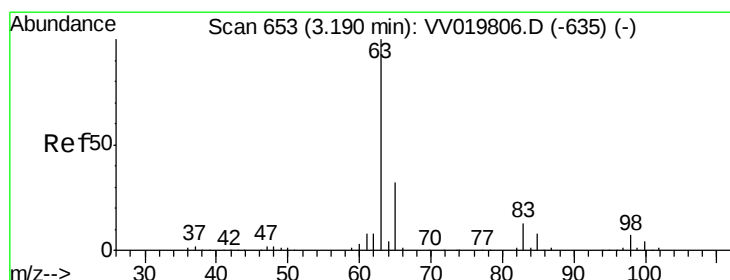
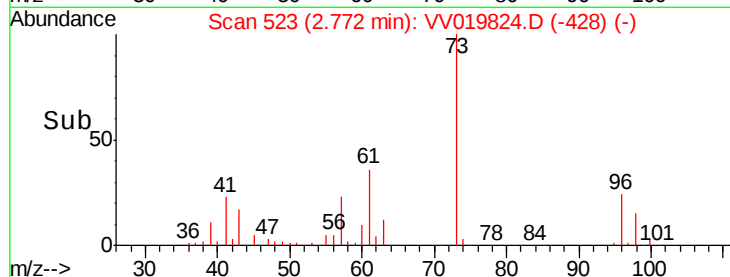
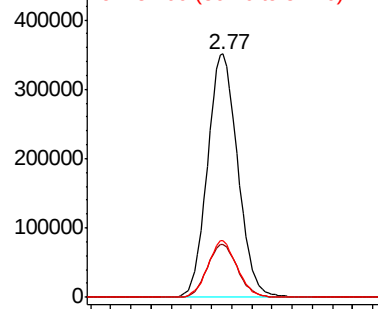
Methyl tert-butyl Ether
Concen: 49.336 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.01 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

Tot Ion: 73 Resp: 730289
Ion Ratio Lower Upper
73 100
43 21.6 17.3 25.9
57 22.6 17.5 26.3



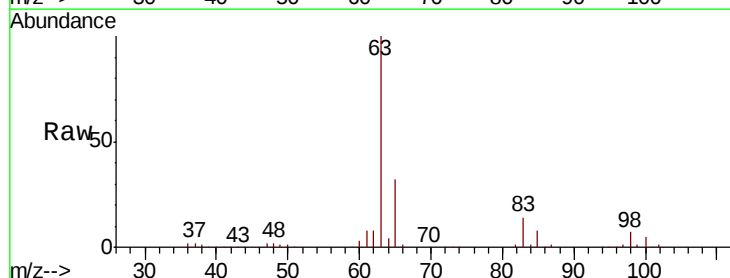
Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0



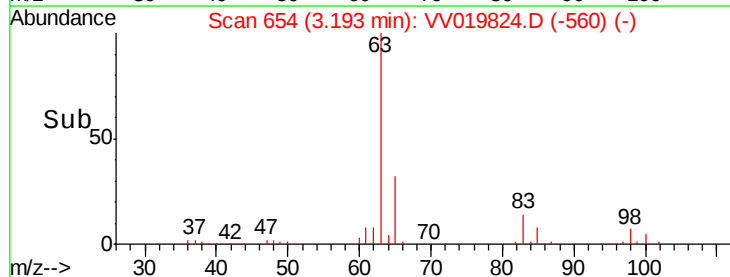
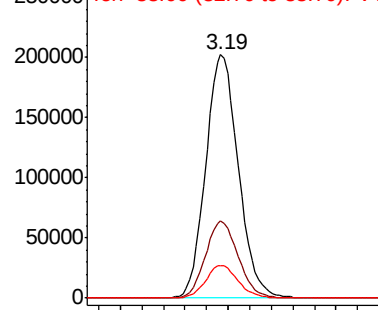
#19

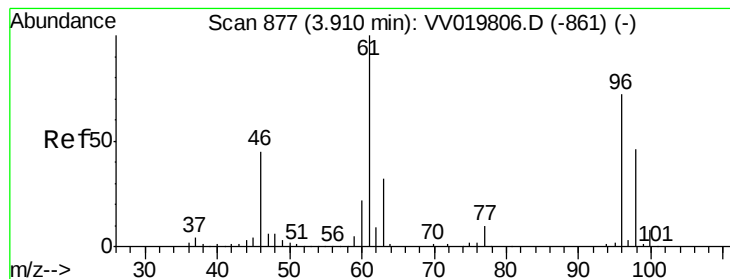
1,1-Dichloroethane
Concen: 52.035 ug/L
RT: 3.19 min Scan# 654
Delta R.T. 0.00 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

Tgt Ion: 63 Resp: 427348
Ion Ratio Lower Upper
63 100
65 31.6 22.4 41.6
83 13.6 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 49.186 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.01 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

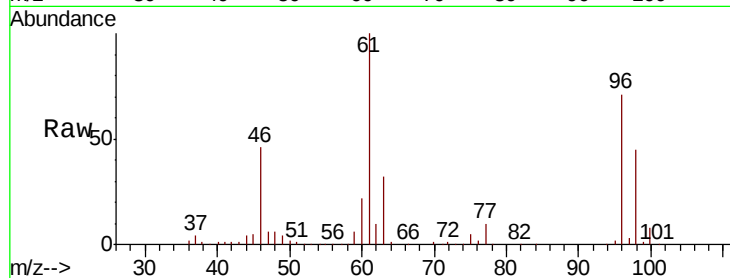
Tot Ion: 96 Resp: 229046

Ion Ratio Lower Upper

96 100

61 140.3 94.1 174.8

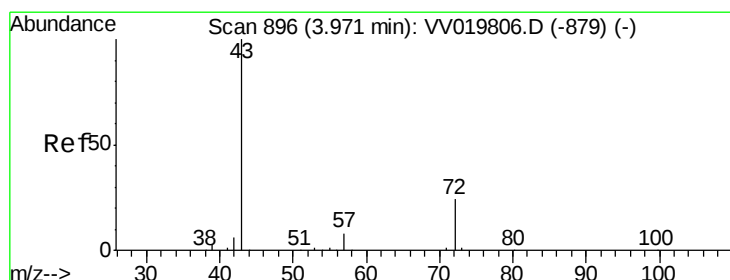
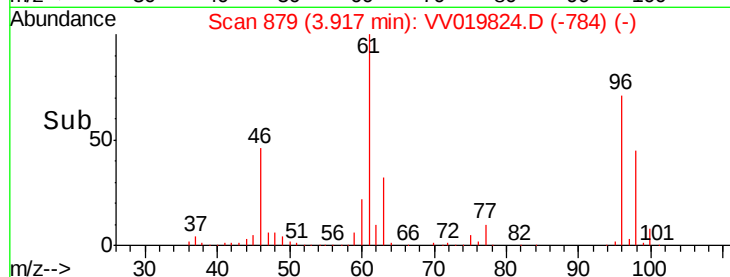
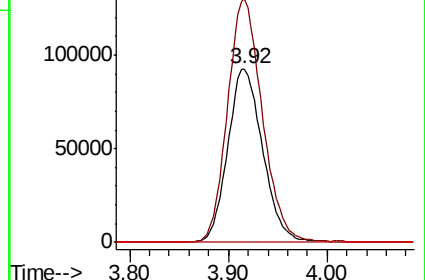
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV019824.D (-861) (-)

Ion 61.00 (60.70 to 61.70): VV019824.D (-861) (-)

Ion 68.00 (67.70 to 68.70): VV019824.D (-861) (-)



#22

2-Butanone

Concen: 122.458 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV019824.D

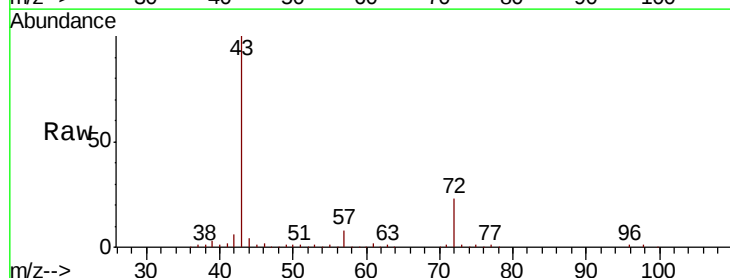
Acq: 23 Dec 2020 20:11

Tgt Ion: 43 Resp: 386934

Ion Ratio Lower Upper

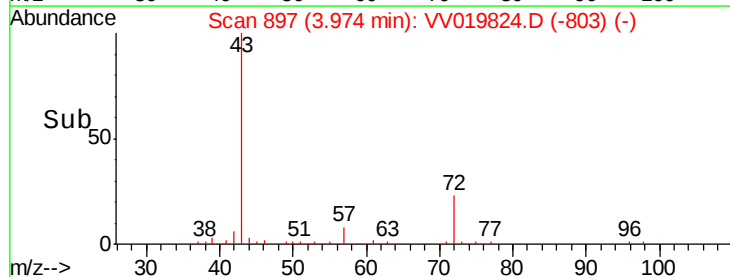
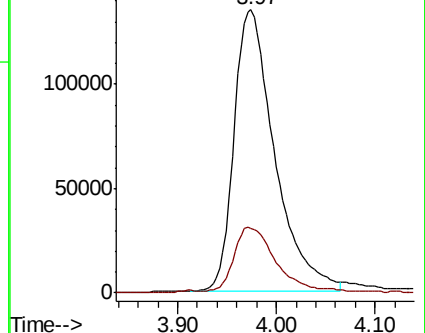
43 100

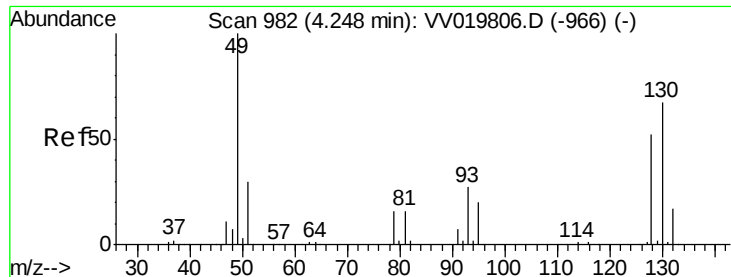
72 22.5 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019824.D (-879) (-)

Ion 72.00 (71.70 to 72.70): VV019824.D (-879) (-)





#23

Bromochloromethane

Concen: 49.099 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

Tot Ion:128 Resp: 112497

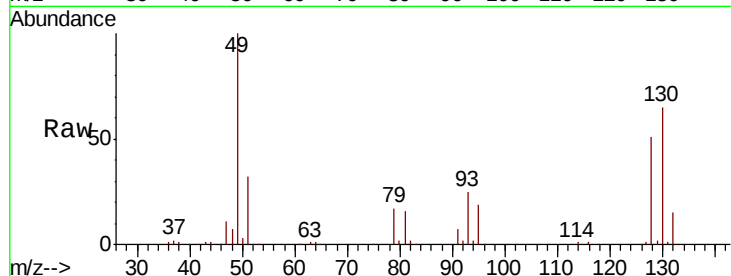
Ion Ratio Lower Upper

128 100

49 195.1 127.0 235.8

130 126.8 90.3 167.7

51 62.7 44.5 66.7

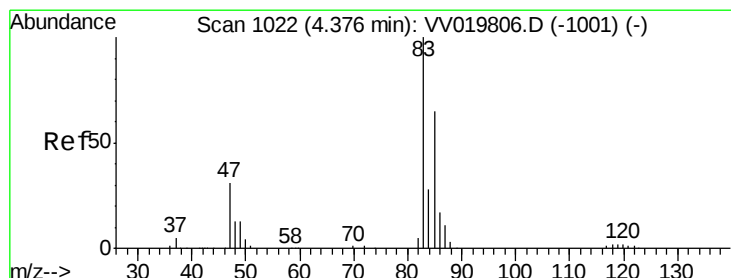
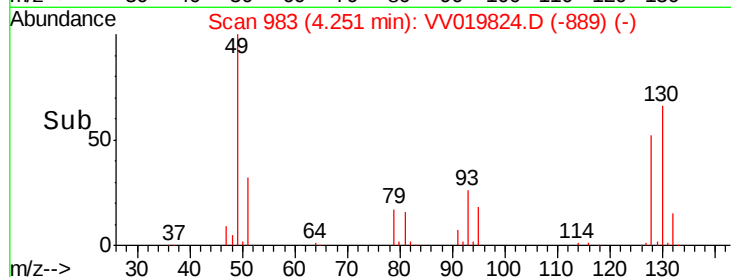
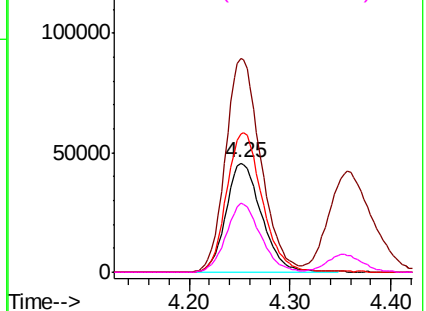


Abundance Ion 128.00 (127.70 to 128.70): V

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: 51.996 ug/L

RT: 4.38 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VV019824.D

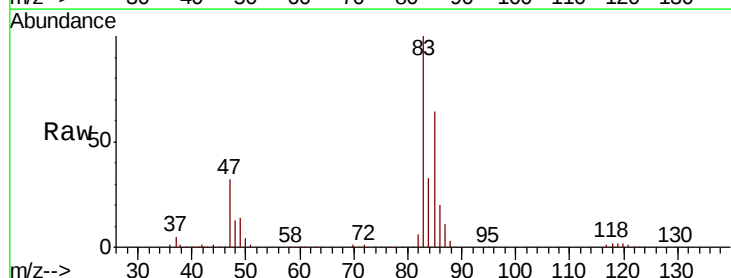
Acq: 23 Dec 2020 20:11

Tgt Ion: 83 Resp: 426483

Ion Ratio Lower Upper

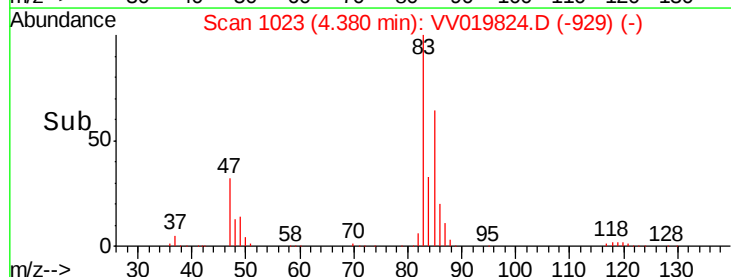
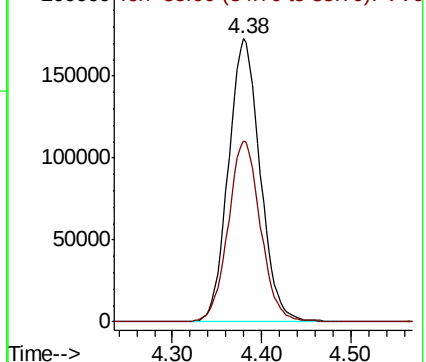
83 100

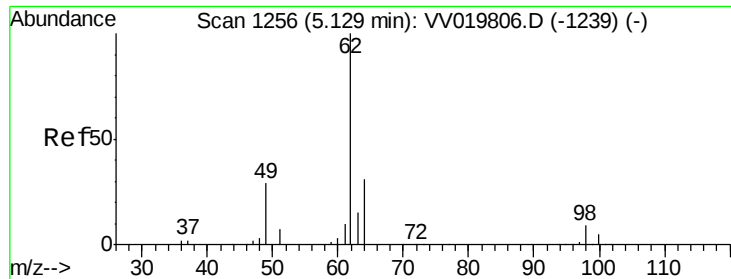
85 63.8 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

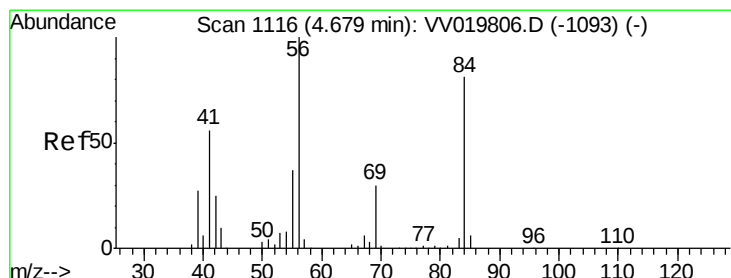
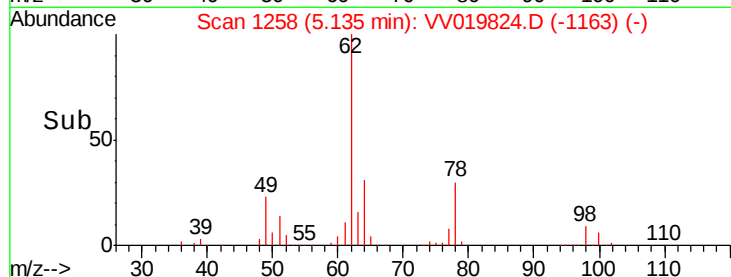
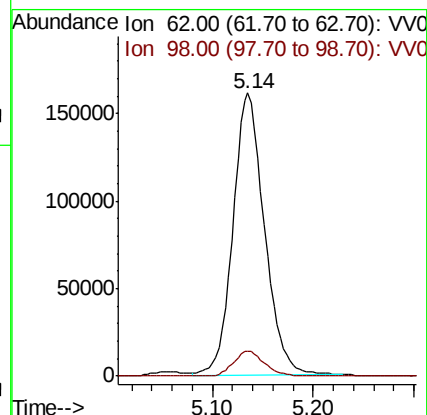
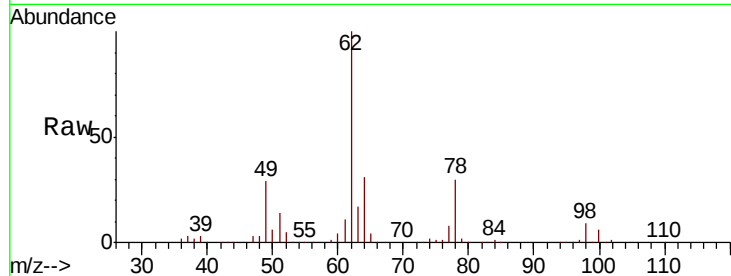




#27
 1,2-Dichloroethane
 Concen: 51.635 ug/L
 RT: 5.14 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: VV019824.D
 Acq: 23 Dec 2020 20:11

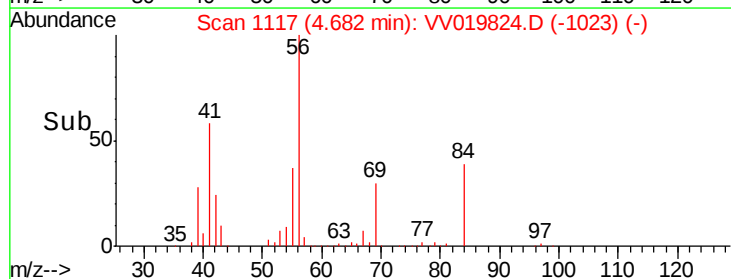
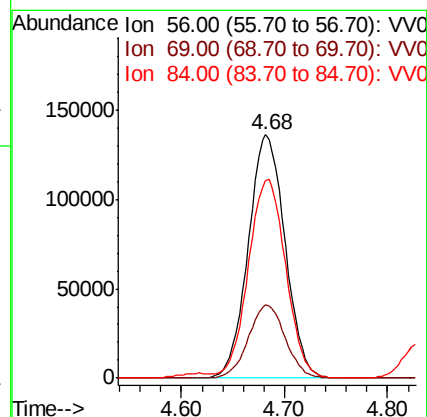
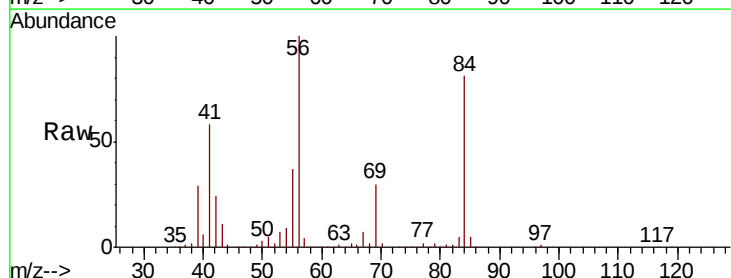
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

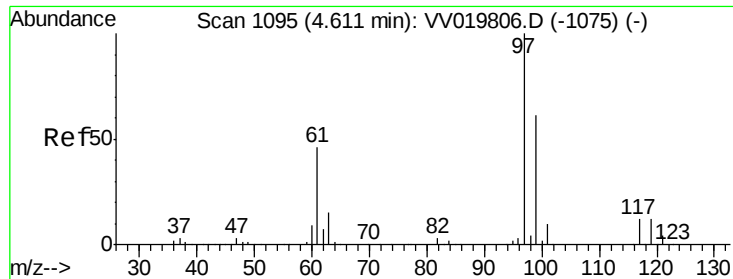
Tot Ion: 62 Resp: 350866
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.4 11.0



#29
 Cyclohexane
 Concen: 44.520 ug/L
 RT: 4.68 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: VV019824.D
 Acq: 23 Dec 2020 20:11

Tgt Ion: 56 Resp: 337281
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.6 37.0
 84 83.1 68.2 102.4





#30

1,1,1-Trichloroethane

Concen: 46.223 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VV019824.D

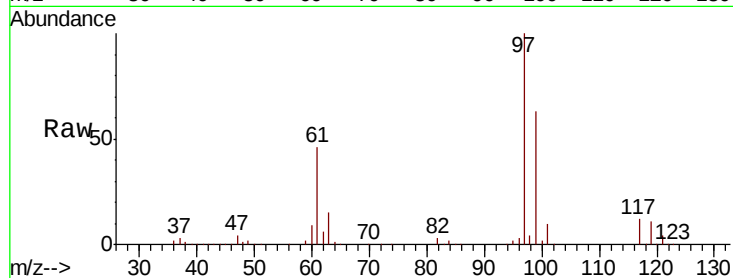
Acq: 23 Dec 2020 20:11

Instrument :
MSVOA_V

ClientSampleId :
VSTD05072

Tot Ion: 97 Resp: 358258

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	47.2	36.3	54.5

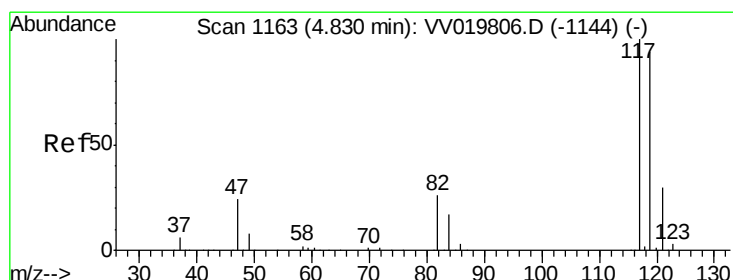
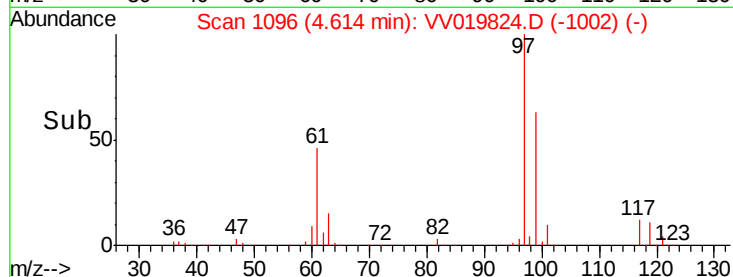
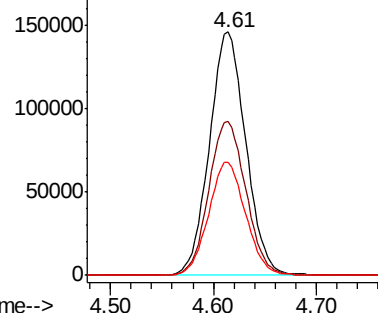


Abundance

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: 43.801 ug/L

RT: 4.83 min Scan# 1164

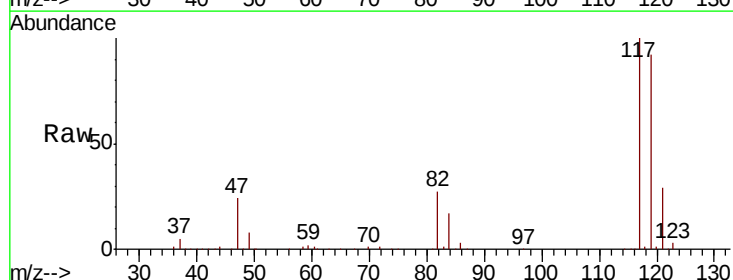
Delta R.T. 0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Tgt Ion: 117 Resp: 286591

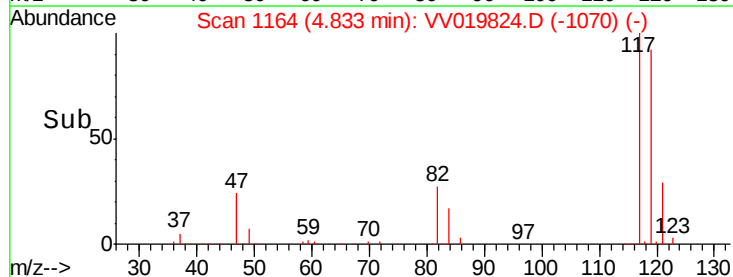
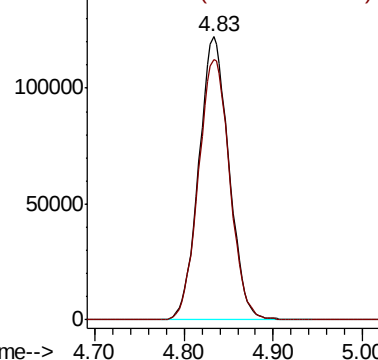
Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.7	113.5

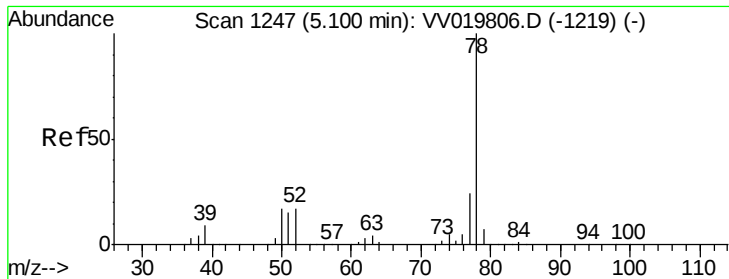


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 49.011 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

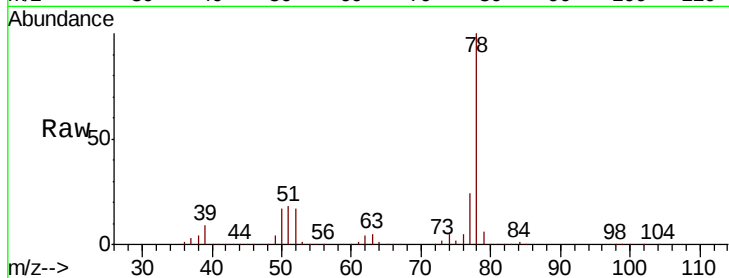
Instrument :

MSVOA_V

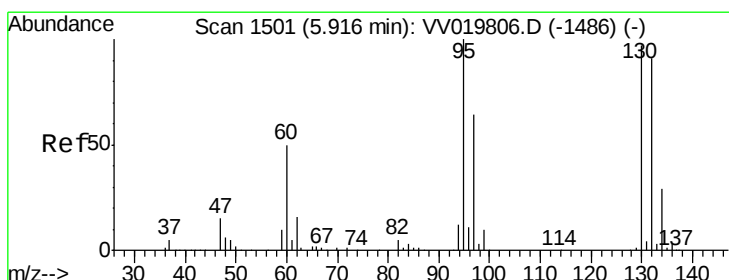
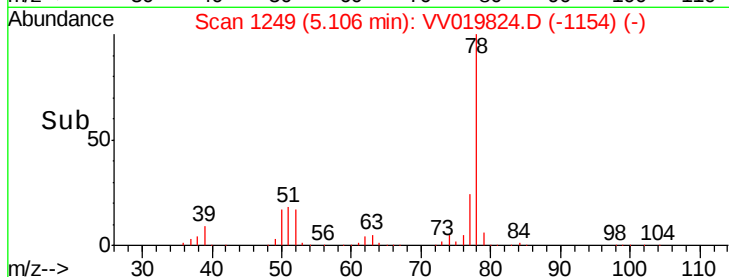
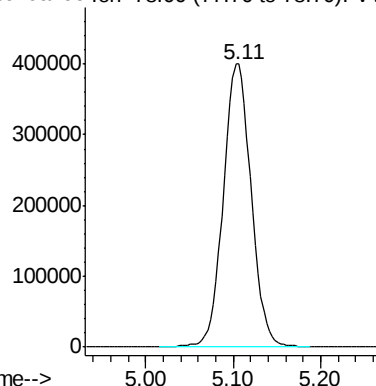
ClientSampleId :

VSTD05072

Tgt Ion: 78 Resp: 885407



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 47.626 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Tgt Ion: 95 Resp: 227282

Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.4	82.4
132	92.1	64.3	119.3
130	94.1	67.8	125.8

95 100

97 64.8 44.4 82.4

132 92.1 64.3 119.3

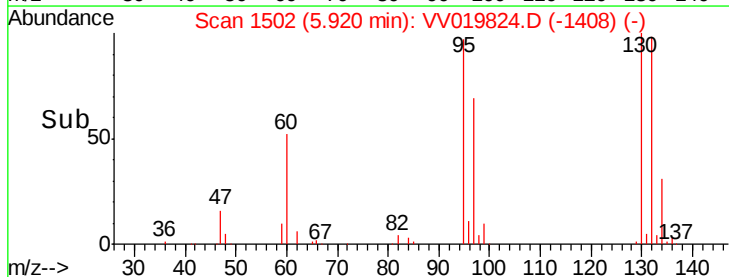
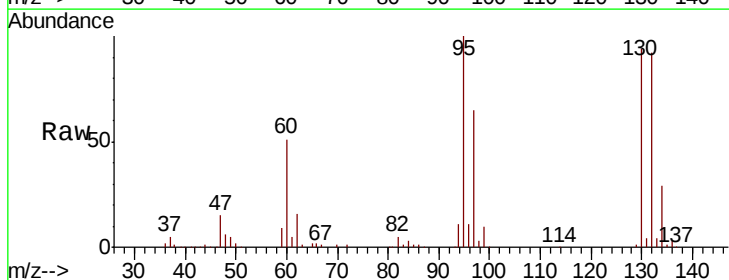
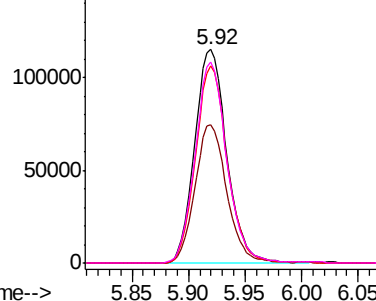
130 94.1 67.8 125.8

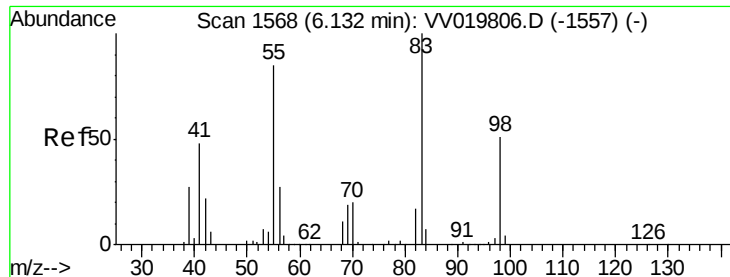
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

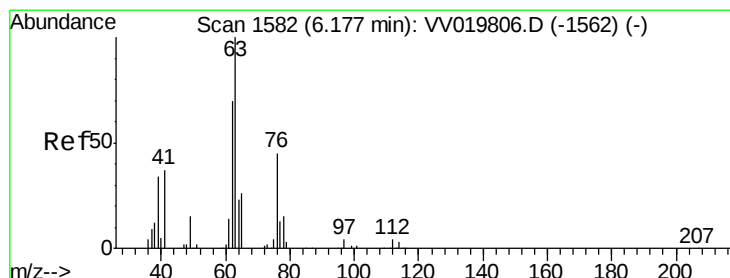
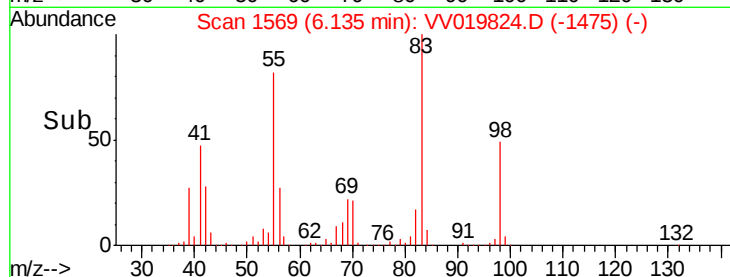
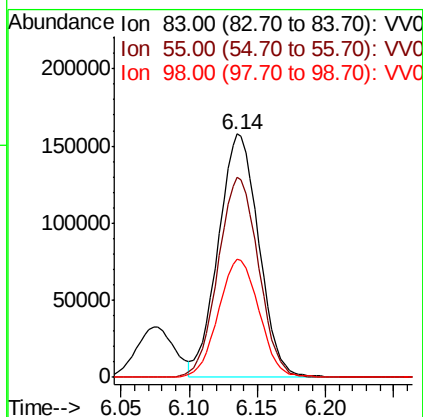
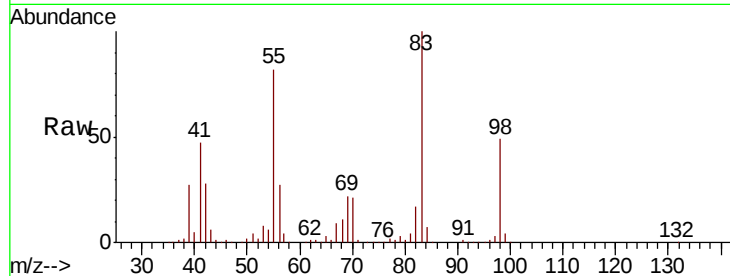




#35
Methvlcvclohexane
Concen: 44.849 ug/L
RT: 6.14 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

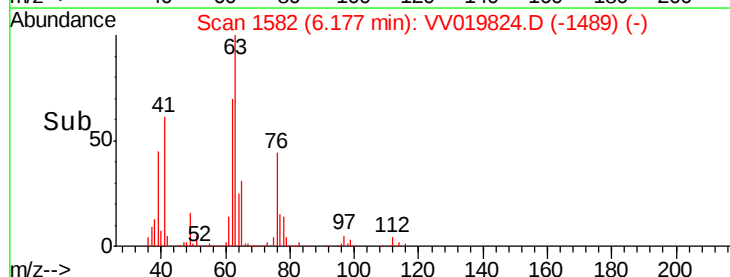
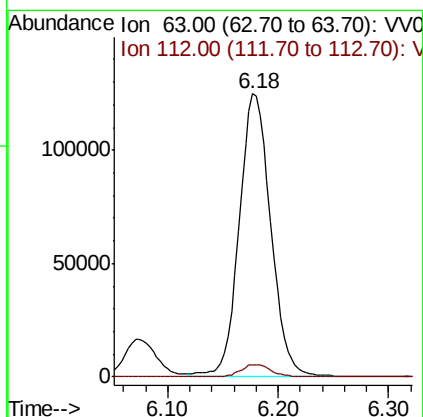
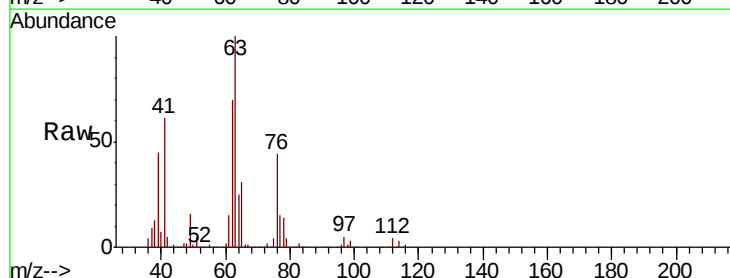
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

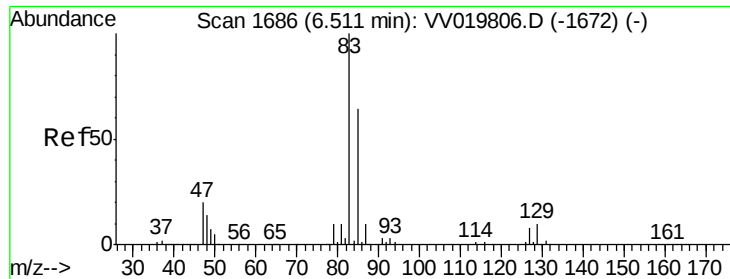
Tot Ion: 83 Resp: 325153
Ion Ratio Lower Upper
83 100
55 82.0 64.2 96.4
98 48.5 39.3 58.9



#37
1,2-Dichloropropane
Concen: 52.550 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

Tgt Ion: 63 Resp: 247922
Ion Ratio Lower Upper
63 100
112 4.3 3.5 5.3





#38

Bromodichloromethane

Concen: 47.310 ug/L

RT: 6.51 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

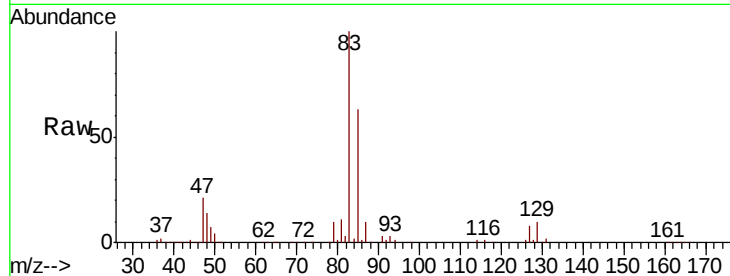
Tot Ion: 83 Resp: 312112

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.5

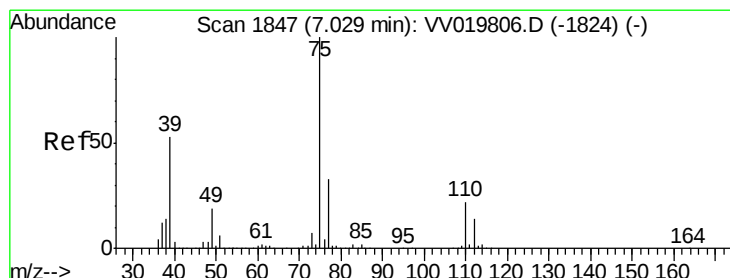
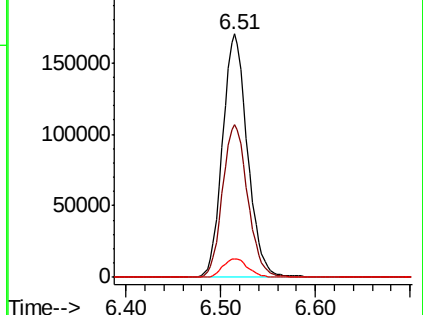
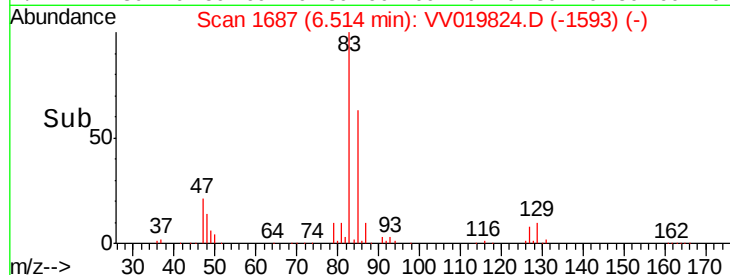
127 7.7 6.7 10.1



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: 47.703 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VV019824.D

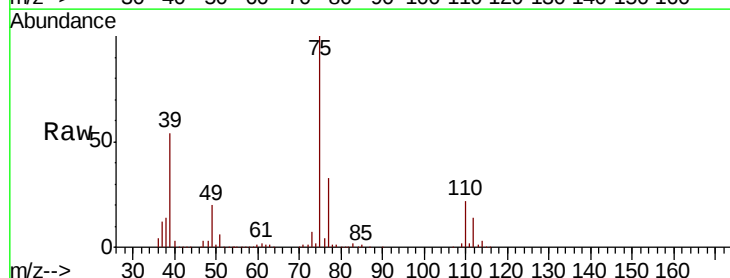
Acq: 23 Dec 2020 20:11

Tgt Ion: 75 Resp: 373785

Ion Ratio Lower Upper

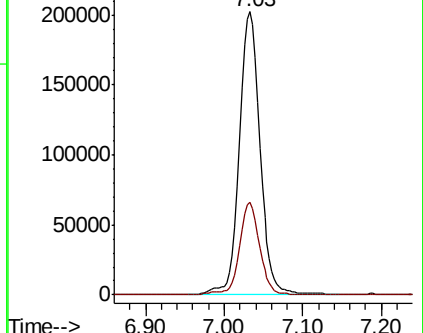
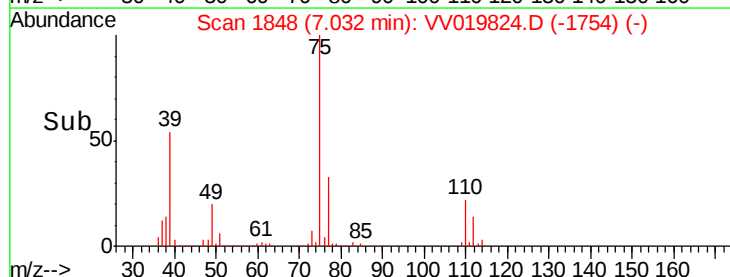
75 100

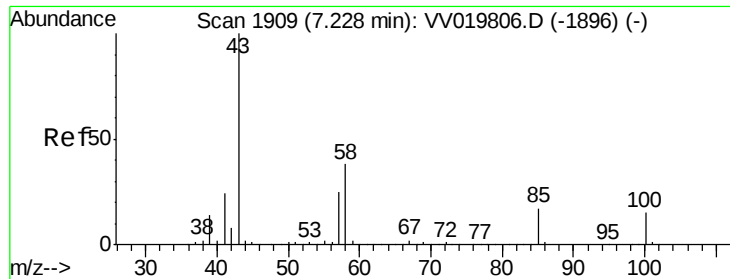
77 32.7 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

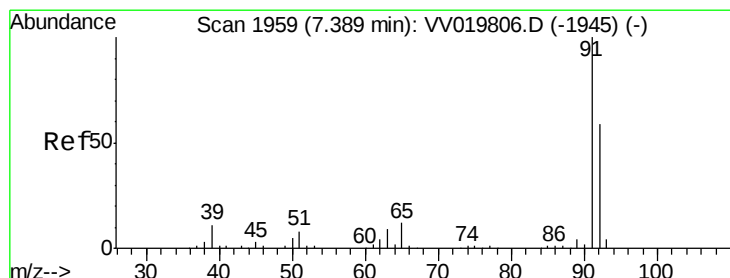
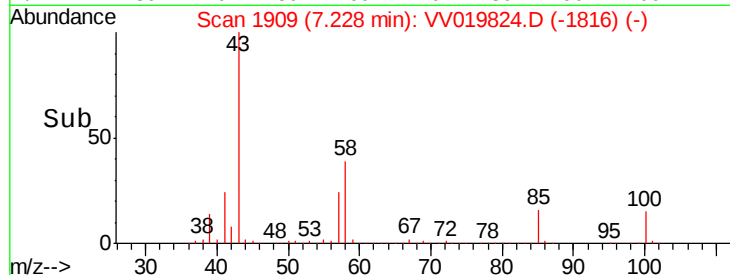
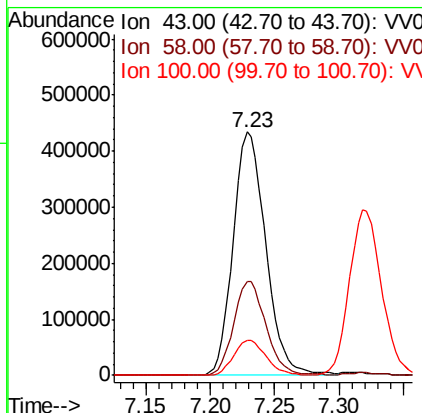
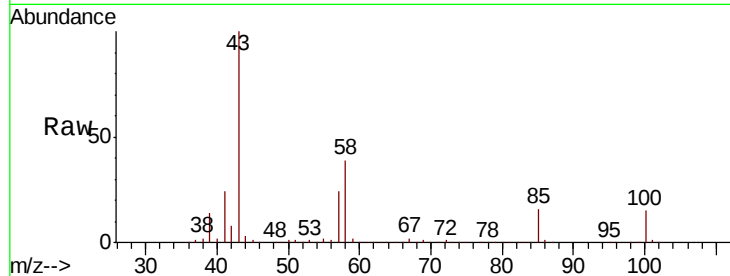




#40
4-Methyl-2-pentanone
Concen: 112.298 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

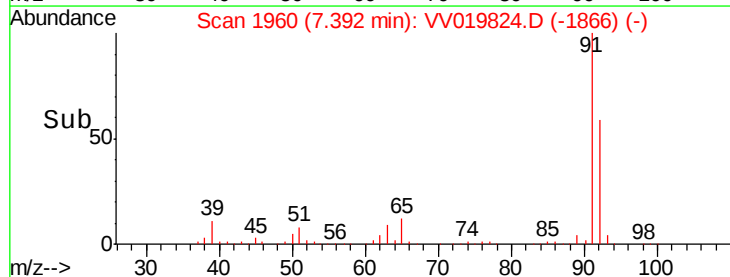
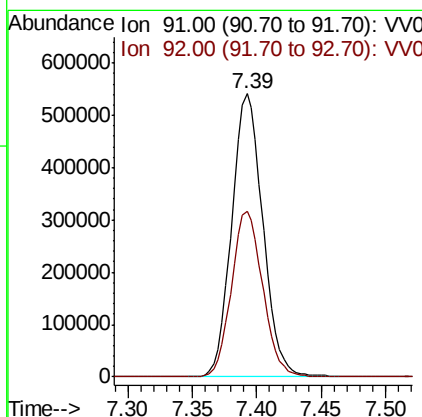
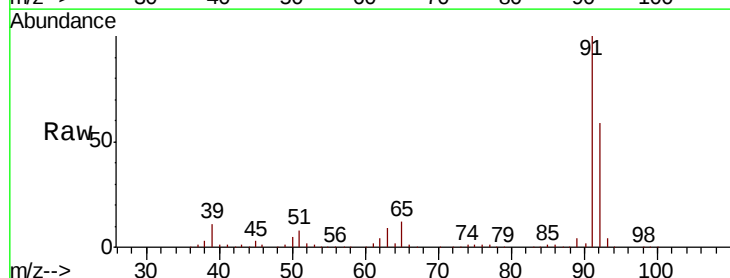
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

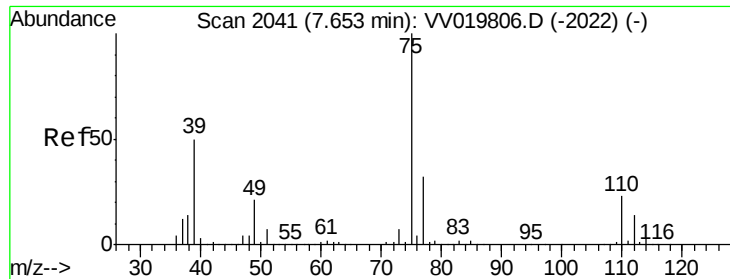
Tot Ion: 43 Resp: 764349
Ion Ratio Lower Upper
43 100
58 38.2 31.7 47.5
100 14.5 12.5 18.7



#42
Toluene
Concen: 47.706 ug/L
RT: 7.39 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

Tgt Ion: 91 Resp: 908349
Ion Ratio Lower Upper
91 100
92 58.7 41.4 76.8





#44

trans-1,3-Dichloropropene

Concen: 45.613 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. 0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

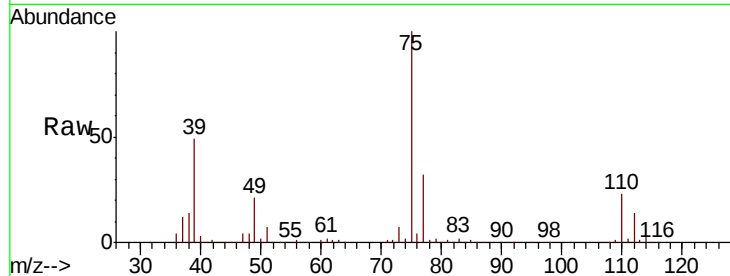
VSTD05072

Tot Ion: 75 Resp: 361898

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV019806.D (-2022) (-)

Ion 77.00 (76.70 to 77.70): VV019806.D (-2022) (-)

7.66

200000

150000

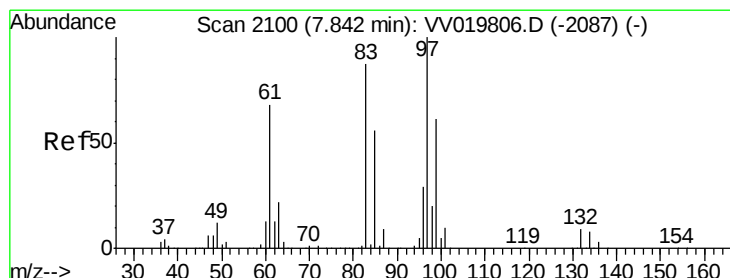
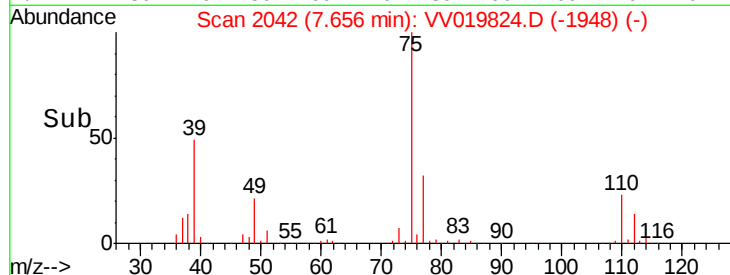
100000

50000

0

7.60 7.70 7.80

Time-->



#45

1,1,2-Trichloroethane

Concen: 50.061 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Tgt Ion: 97 Resp: 224282

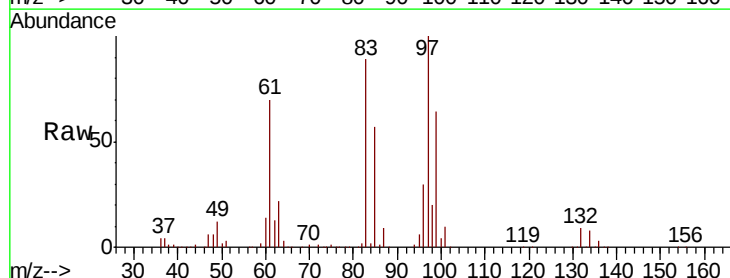
Ion Ratio Lower Upper

97 100

99 63.7 44.1 81.9

83 89.3 60.0 111.4

85 56.9 38.6 71.8



Abundance Ion 97.00 (96.70 to 97.70): VV019806.D (-2087) (-)

Ion 99.00 (98.70 to 99.70): VV019806.D (-2087) (-)

Ion 83.00 (82.70 to 83.70): VV019806.D (-2087) (-)

Ion 85.00 (84.70 to 85.70): VV019806.D (-2087) (-)

7.84

200000

150000

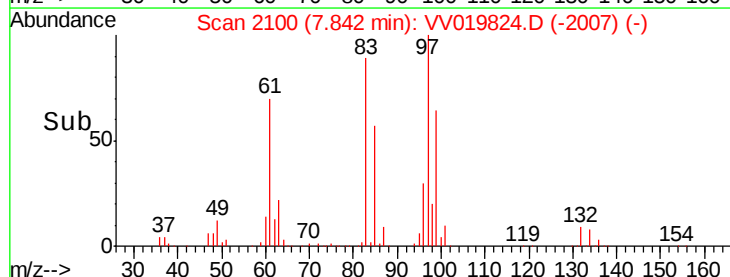
100000

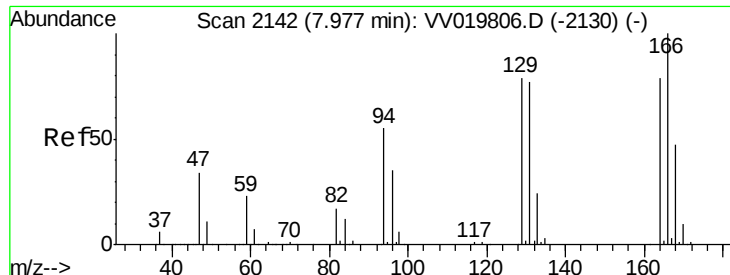
50000

0

7.75 7.80 7.85 7.90

Time-->





#46

Tetrachloroethene

Concen: 44.471 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

Tot Ion:164 Resp: 146851

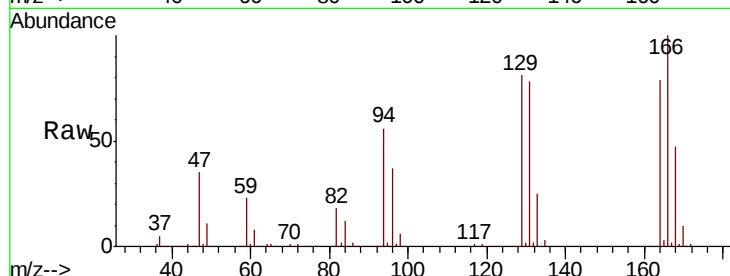
Ion Ratio Lower Upper

164 100

129 102.5 70.6 131.0

131 98.7 68.0 126.4

166 126.4 86.9 161.5

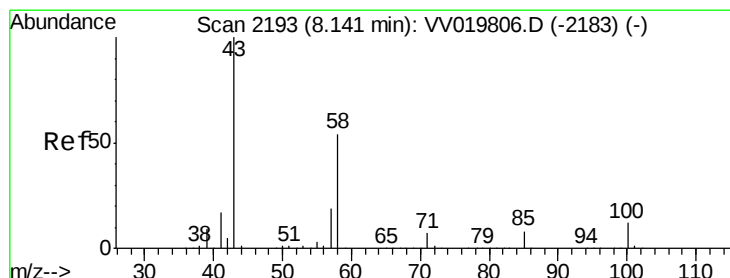
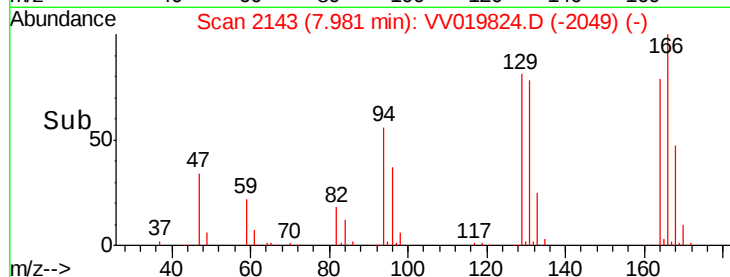
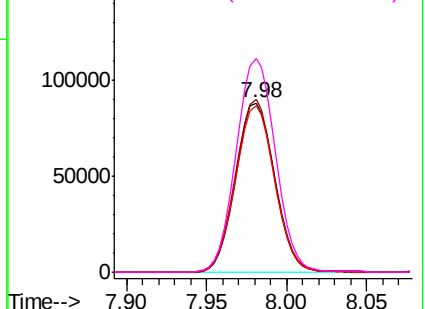


Abundance Ion 164.00 (163.70 to 164.70): V

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: 113.452 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Tgt Ion: 43 Resp: 585934

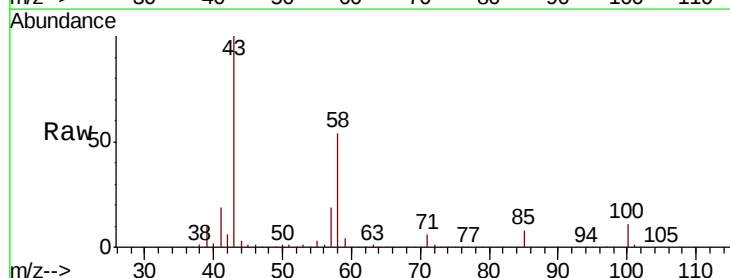
Ion Ratio Lower Upper

43 100

58 52.6 44.4 66.6

57 18.6 15.7 23.5

100 11.3 9.9 14.9

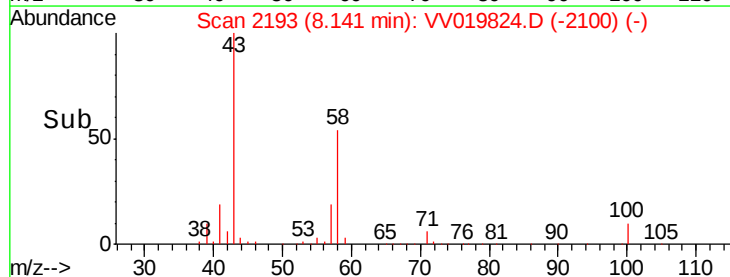
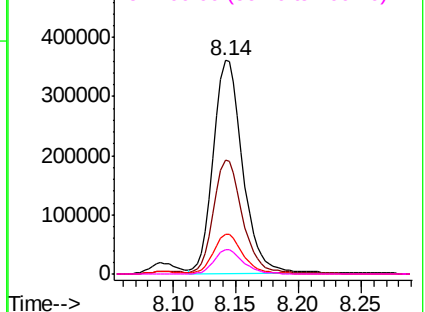


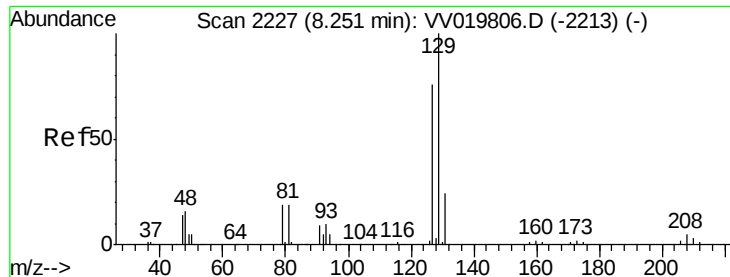
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 45.925 ug/L

RT: 8.25 min Scan# 2227

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

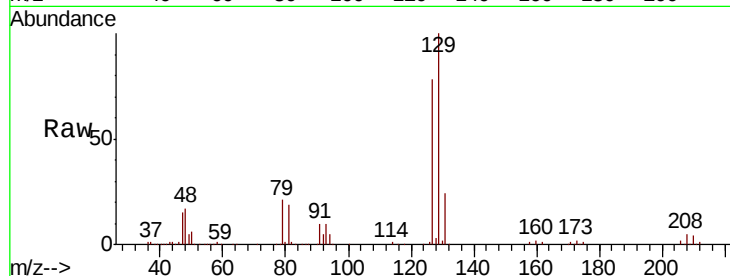
VSTD05072

Tot Ion:129 Resp: 225324

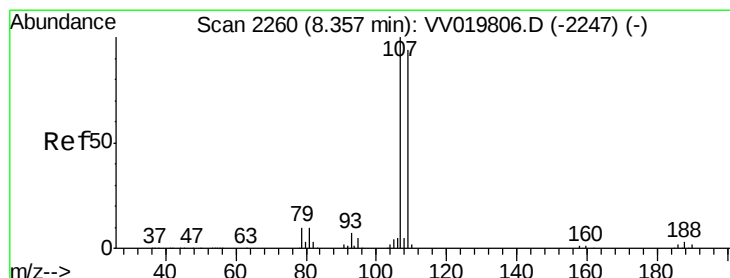
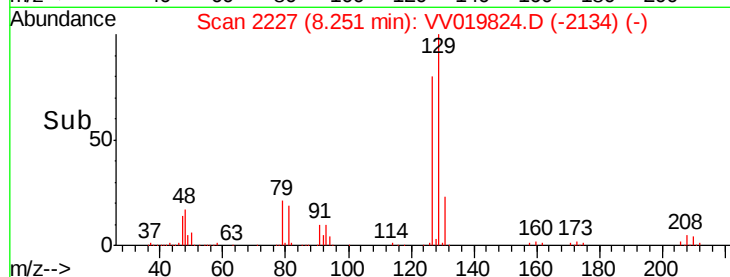
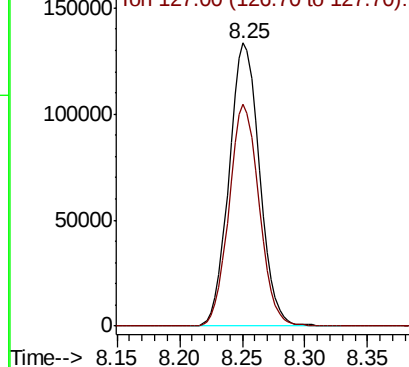
Ion Ratio Lower Upper

129 100

127 78.4 54.2 100.6



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



#50

1,2-Dibromoethane

Concen: 49.433 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

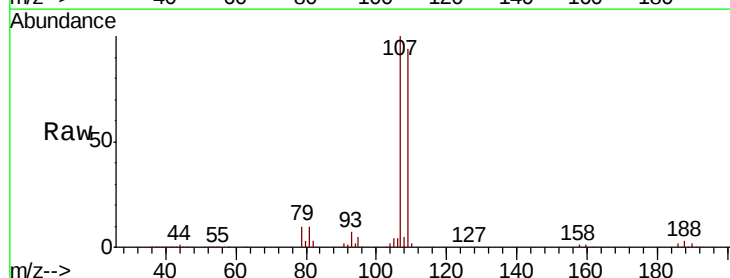
Tgt Ion:107 Resp: 233217

Ion Ratio Lower Upper

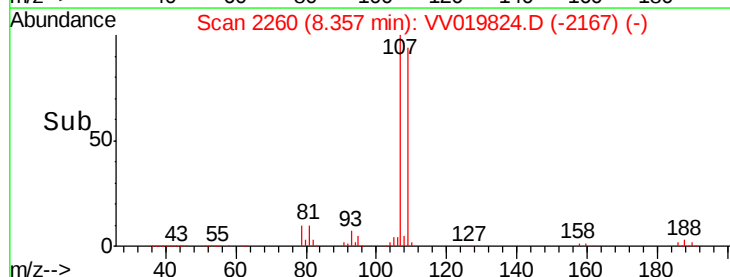
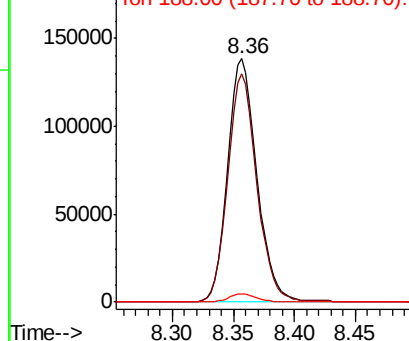
107 100

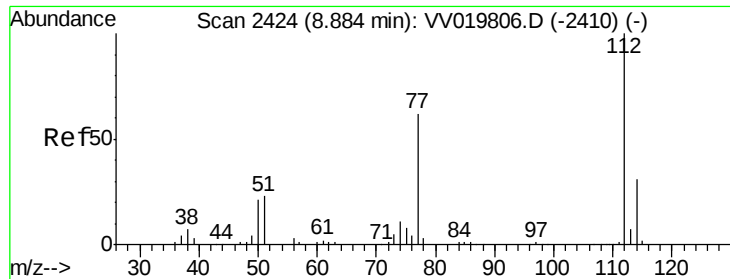
109 93.7 66.4 123.2

188 3.4 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

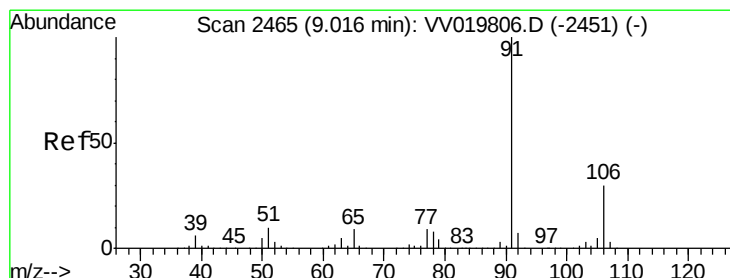
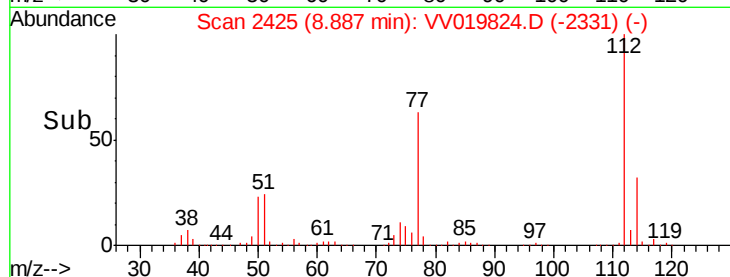
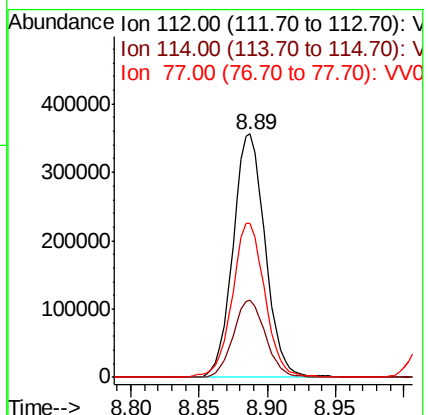
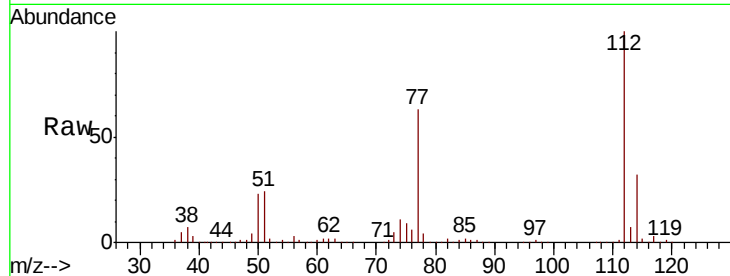




#51
Chlorobenzene
Concen: 47.947 ug/L
RT: 8.89 min Scan# 2425
Delta R.T. 0.00 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

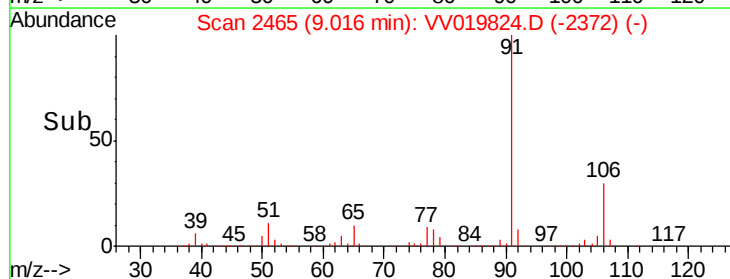
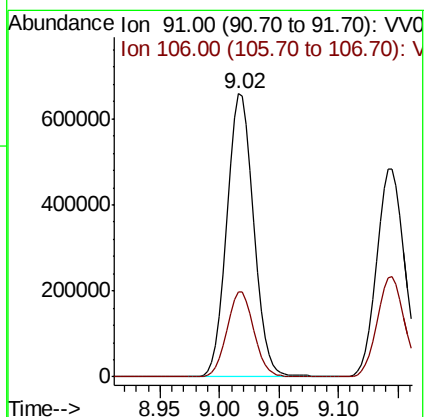
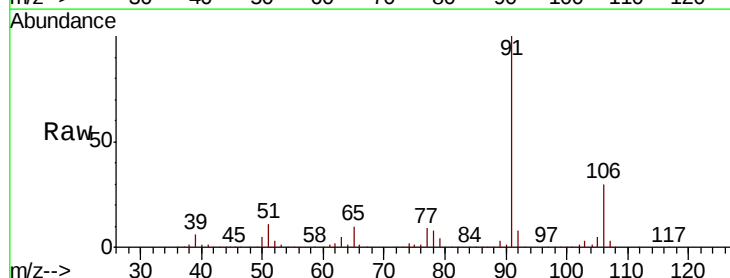
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

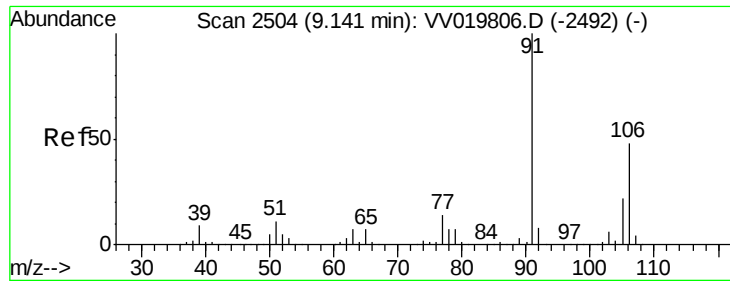
Tot Ion:112 Resp: 583077
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 63.2 50.6 75.8



#52
Ethylbenzene
Concen: 47.510 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

Tgt Ion: 91 Resp: 1030654
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3





#53

m,p-Xylene

Concen: 45.928 ug/L

RT: 9.14 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

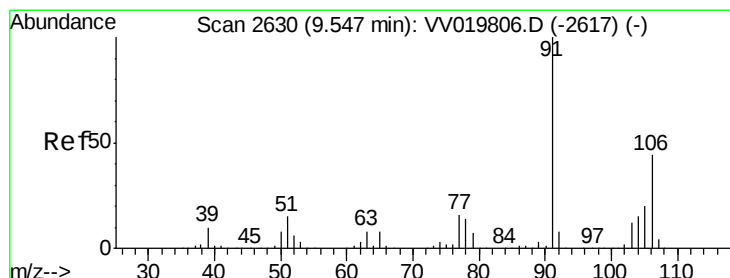
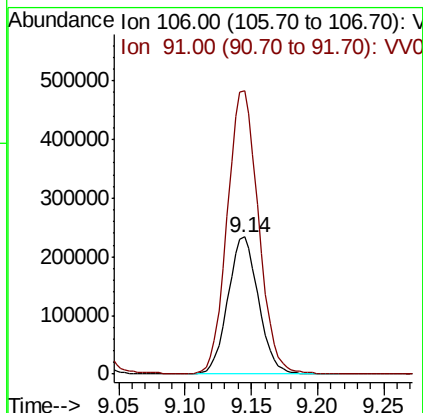
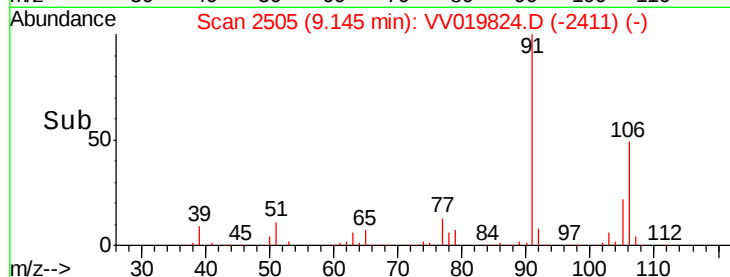
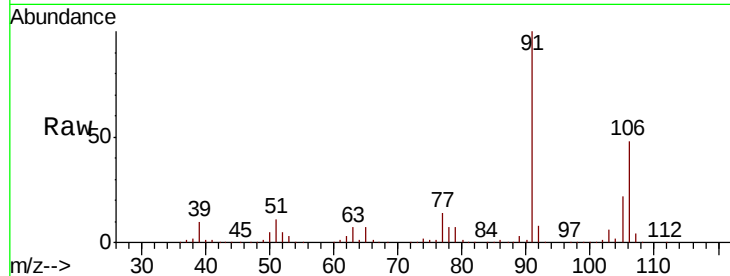
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

Tot Ion:106 Resp: 372227

Ion Ratio Lower Upper

106 100

91 206.3 147.7 274.3



#54

o-xylene

Concen: 46.896 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019824.D

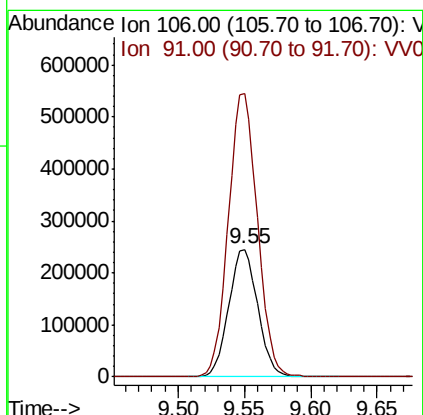
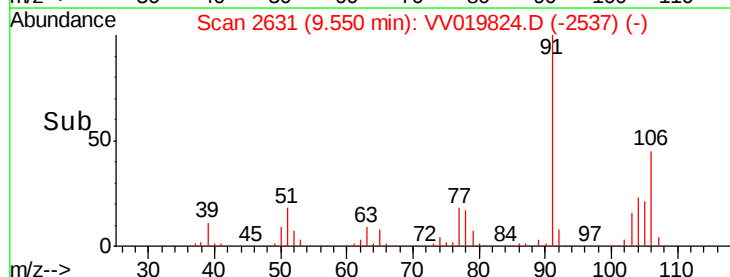
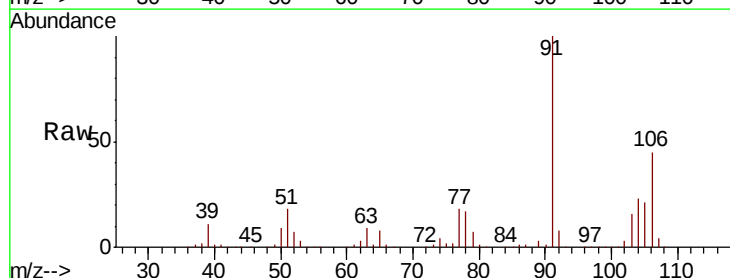
Acq: 23 Dec 2020 20:11

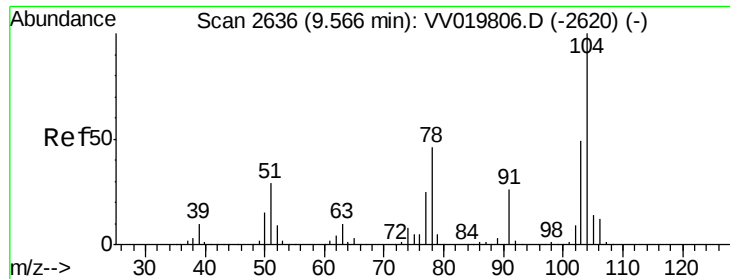
Tgt Ion:106 Resp: 372540

Ion Ratio Lower Upper

106 100

91 221.9 156.7 291.1





#55

Stvrene

Concen: 47.696 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

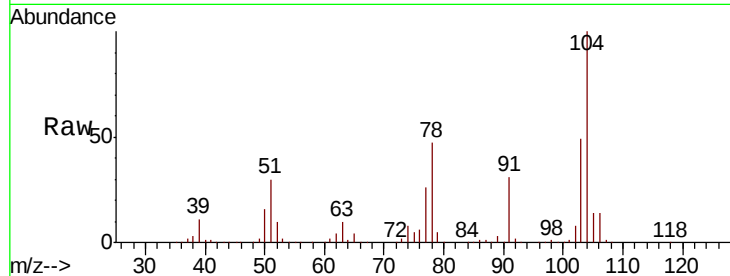
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

Tot Ion:104 Resp: 660367

Ion Ratio Lower Upper

104 100

78 47.3 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.57

400000

300000

200000

100000

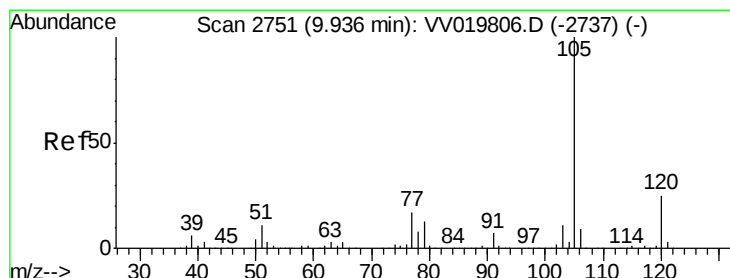
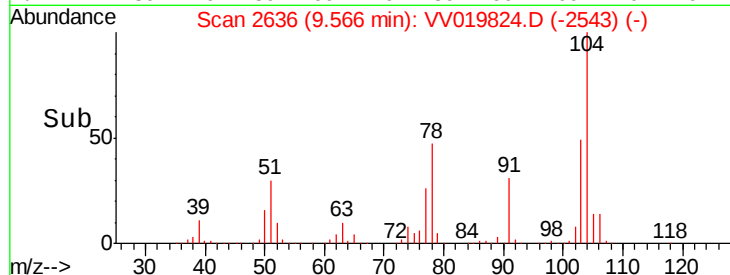
0

Time-->

9.50

9.60

9.70



#56

Isopropylbenzene

Concen: 46.700 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

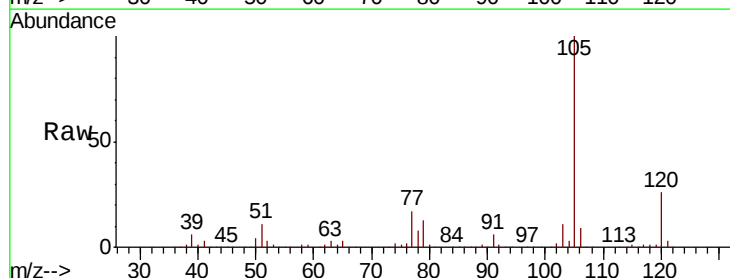
Tgt Ion:105 Resp: 988316

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

77 16.8 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

9.94

800000

600000

400000

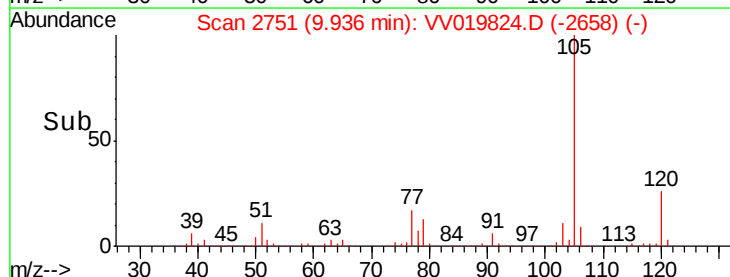
200000

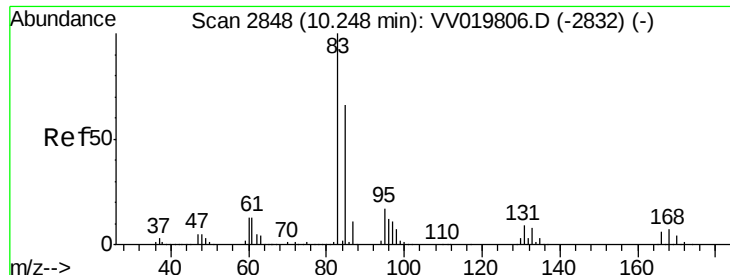
0

Time-->

9.90

10.00





#58

1,1,2,2-Tetrachloroethane

Concen: 51.188 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

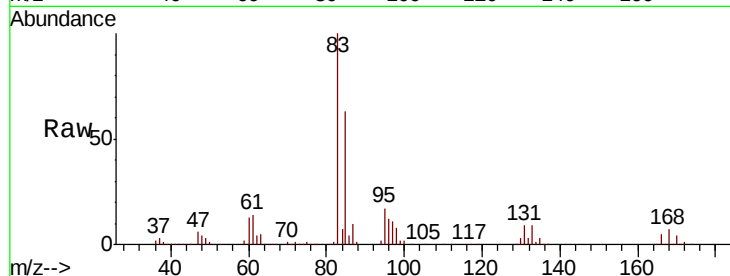
Tot Ion: 83 Resp: 368797

Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.5

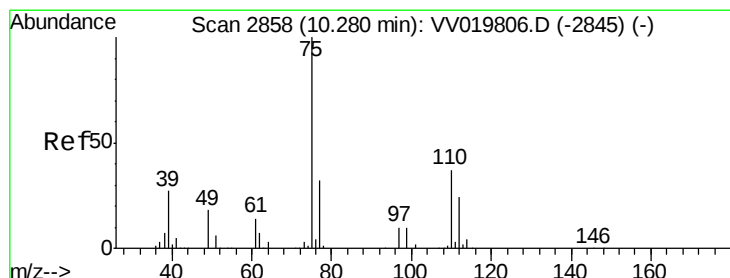
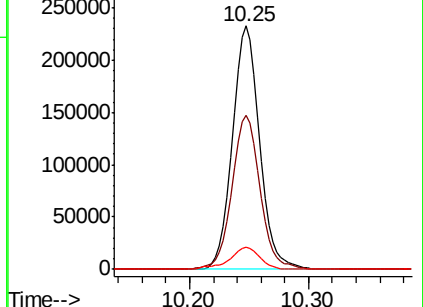
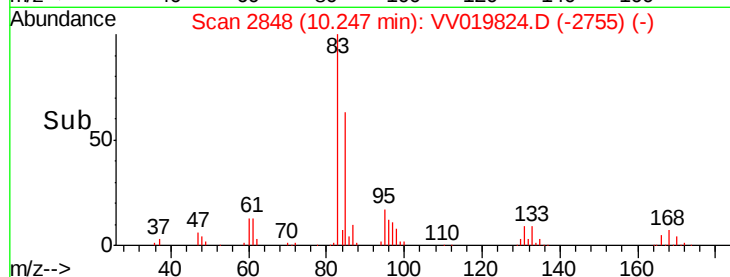
131 9.0 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV019824.D (-2755) (-)

Ion 85.00 (84.70 to 85.70): VV019824.D (-2755) (-)

Ion 131.00 (130.70 to 131.70): VV019824.D (-2755) (-)



#59

1,2,3-Trichloropropane

Concen: 53.818 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV019824.D

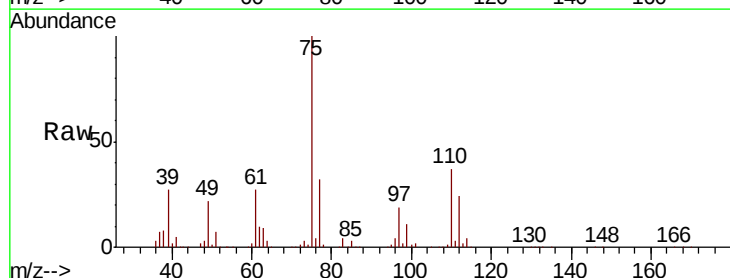
Acq: 23 Dec 2020 20:11

Tgt Ion: 75 Resp: 315818

Ion Ratio Lower Upper

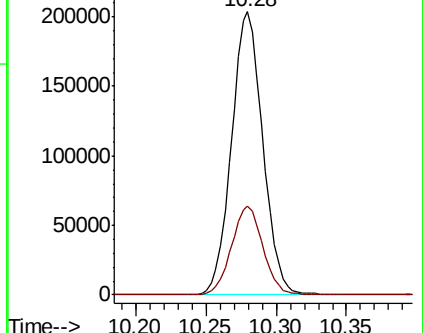
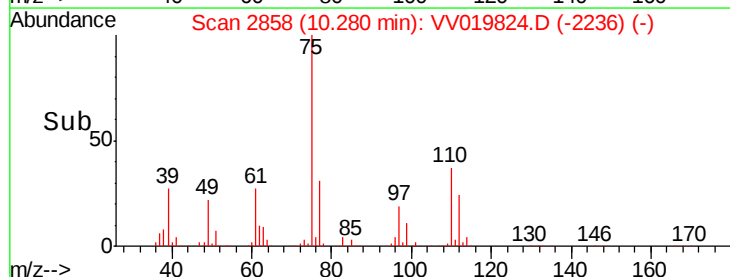
75 100

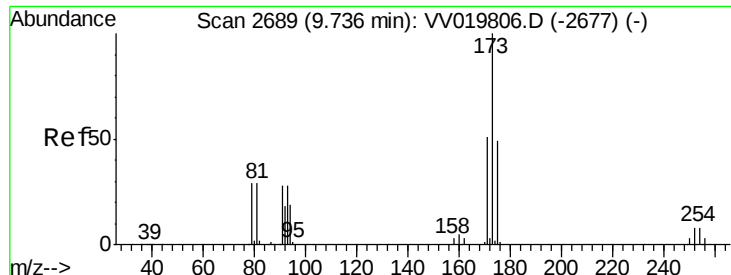
77 31.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019824.D (-2236) (-)

Ion 77.00 (76.70 to 77.70): VV019824.D (-2236) (-)





#61

Bromoform

Concen: 43.383 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

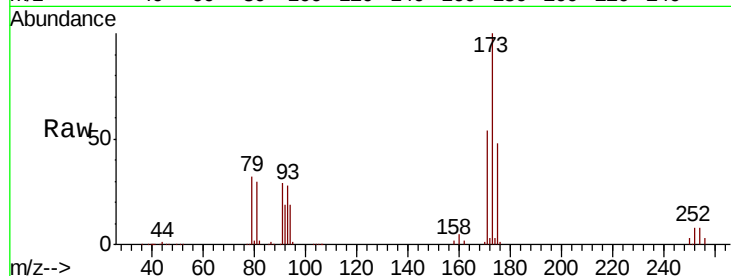
Tot Ion:173 Resp: 143139

Ion Ratio Lower Upper

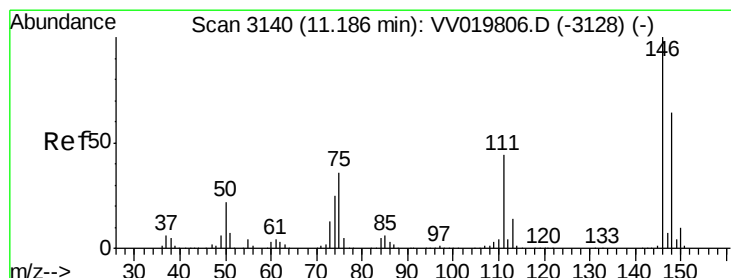
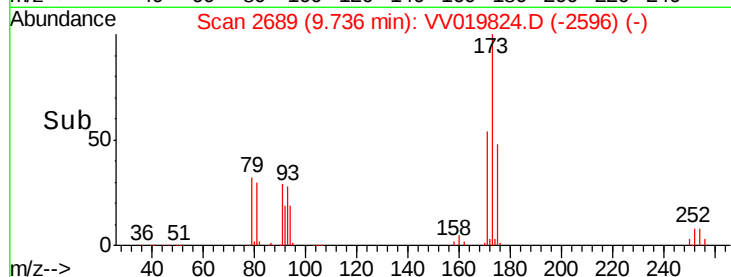
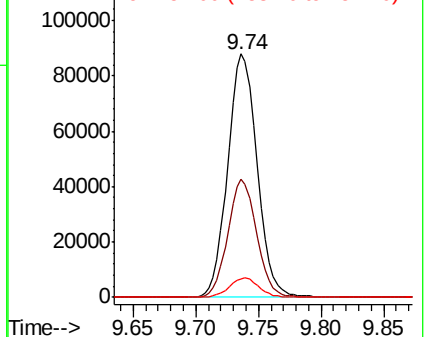
173 100

175 47.6 38.4 57.6

254 7.9 6.6 10.0



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: 47.838 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

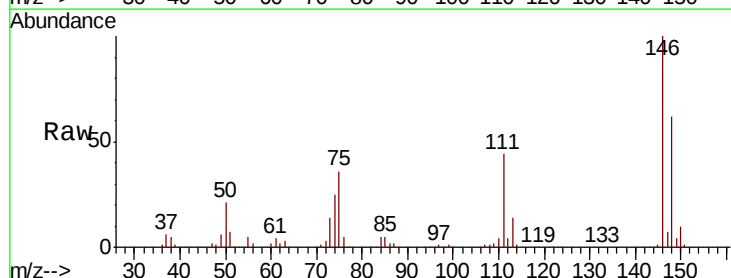
Tgt Ion:146 Resp: 437659

Ion Ratio Lower Upper

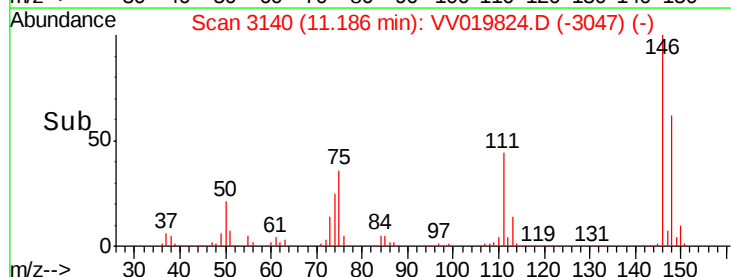
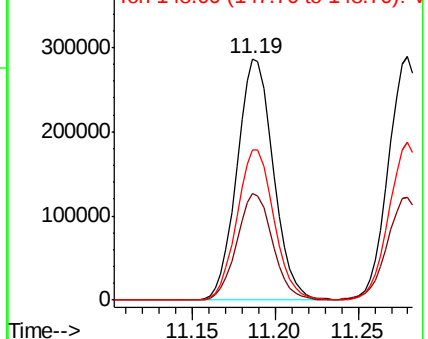
146 100

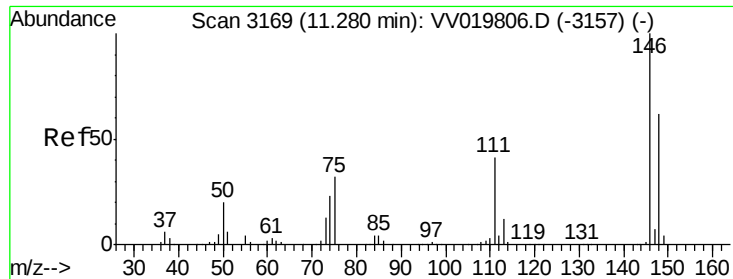
111 44.1 30.7 57.1

148 62.3 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

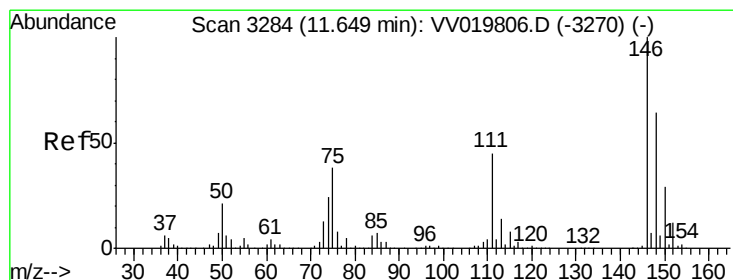
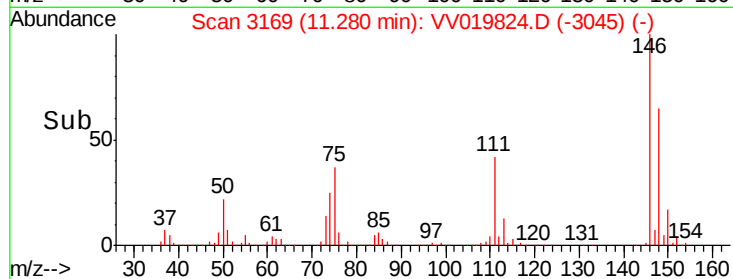
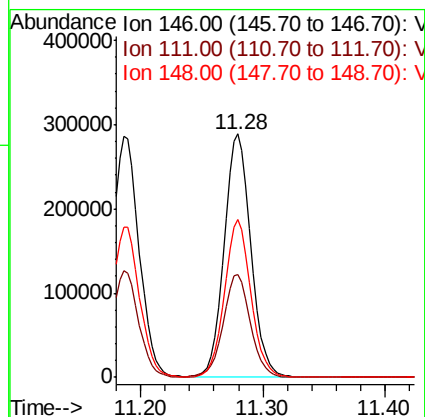
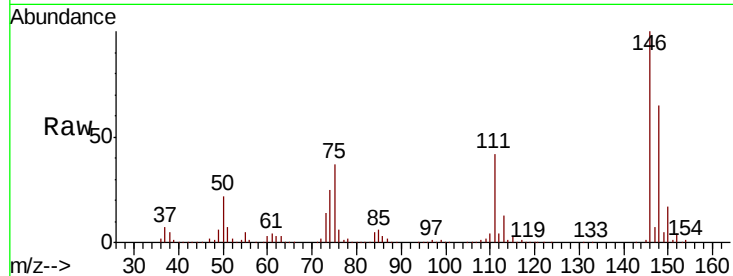




#63
 1,4-Dichlorobenzene
 Concen: 47.988 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VV019824.D
 Acq: 23 Dec 2020 20:11

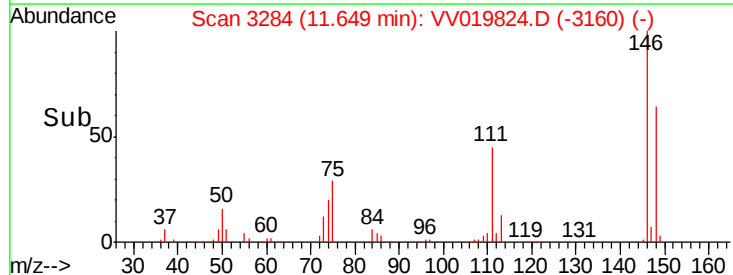
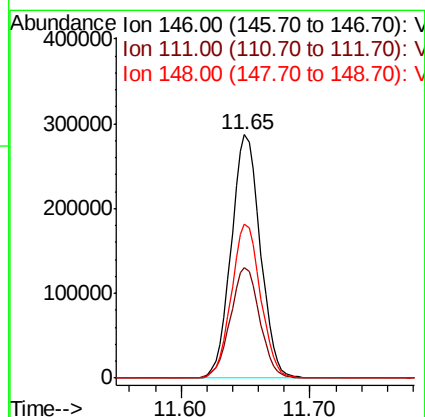
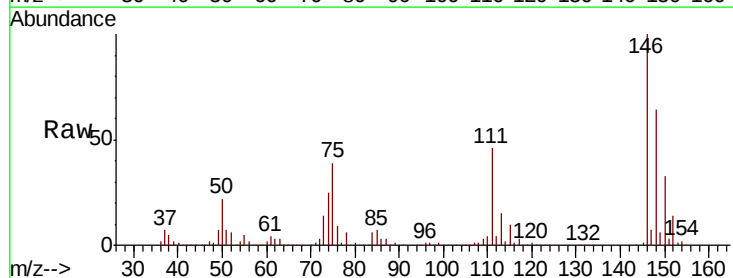
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

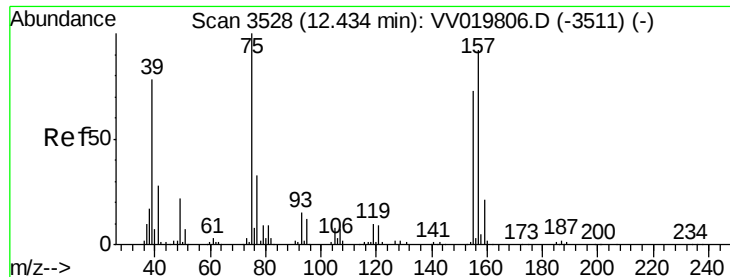
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	29.8	55.4
148	64.9	44.2	82.0



#65
 1,2-Dichlorobenzene
 Concen: 49.657 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VV019824.D
 Acq: 23 Dec 2020 20:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	36.6	55.0
148	63.5	50.7	76.1





#66

1,2-Dibromo-3-chloropropane

Concen: 47.408 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

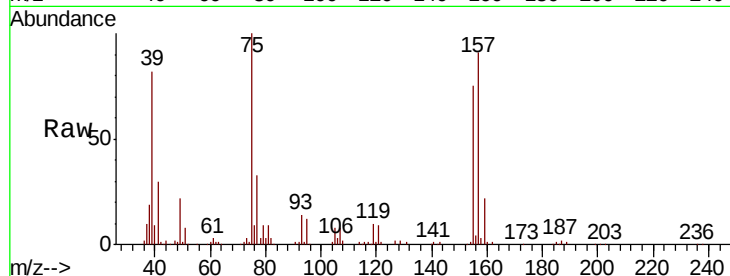
Tot Ion: 75 Resp: 89462

Ion Ratio Lower Upper

75 100

155 74.5 61.1 91.7

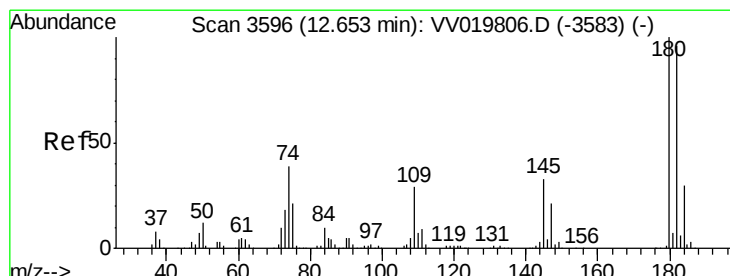
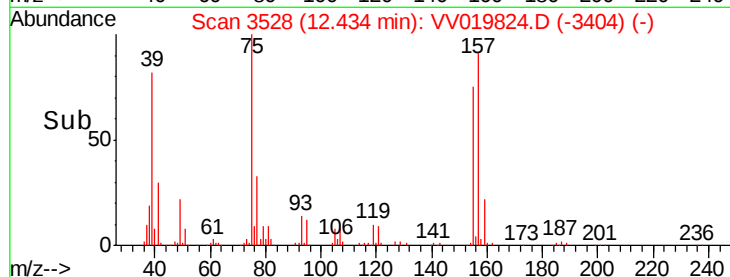
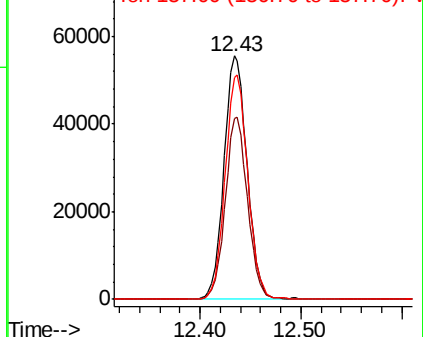
157 91.0 78.7 118.1



Abundance Ion 75.00 (74.70 to 75.70): VV019824.D (-2974) (-)

Ion 155.00 (154.70 to 155.70): VV019824.D (-2974) (-)

Ion 157.00 (156.70 to 157.70): VV019824.D (-2974) (-)



#67

1,3,5-Trichlorobenzene

Concen: 48.663 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VV019824.D

Acq: 23 Dec 2020 20:11

Tgt Ion: 180 Resp: 314553

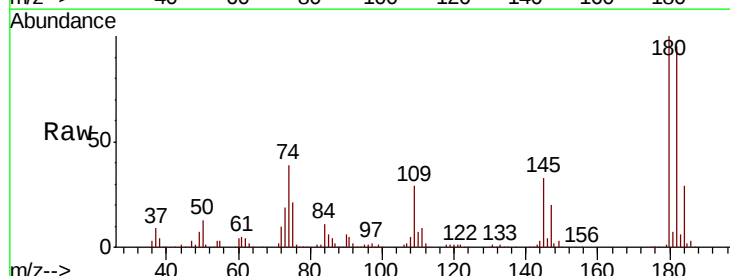
Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.6

184 29.7 23.9 35.9

145 33.0 26.2 39.2

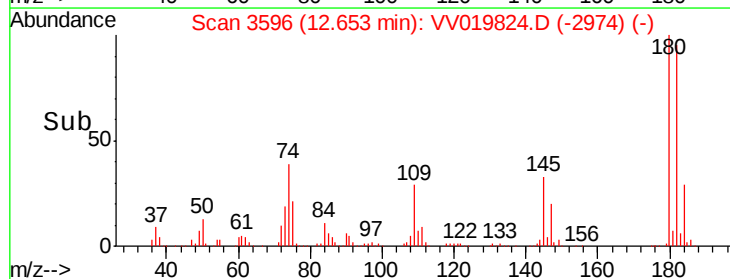
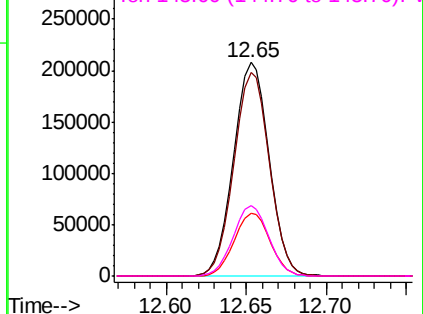


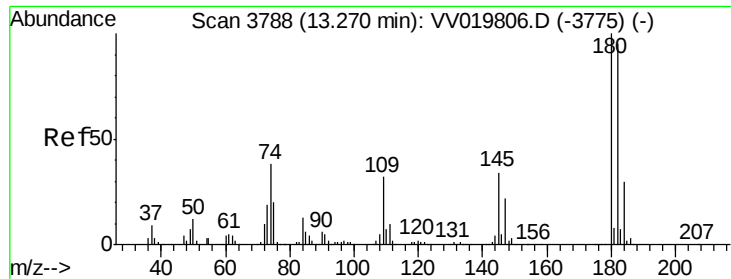
Abundance Ion 180.00 (179.70 to 180.70): VV019824.D (-2974) (-)

Ion 182.00 (181.70 to 182.70): VV019824.D (-2974) (-)

Ion 184.00 (183.70 to 184.70): VV019824.D (-2974) (-)

Ion 145.00 (144.70 to 145.70): VV019824.D (-2974) (-)

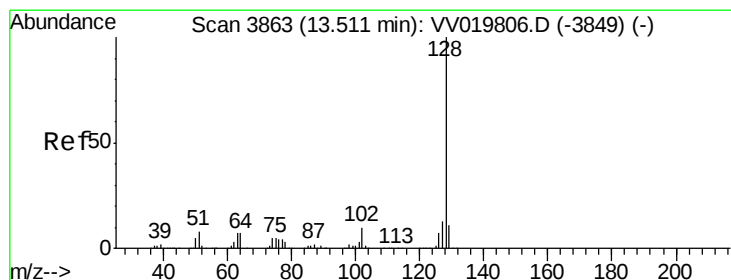
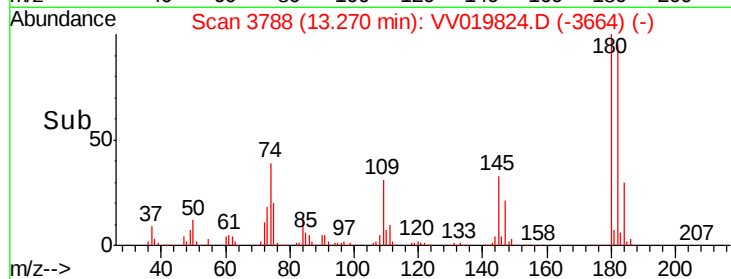
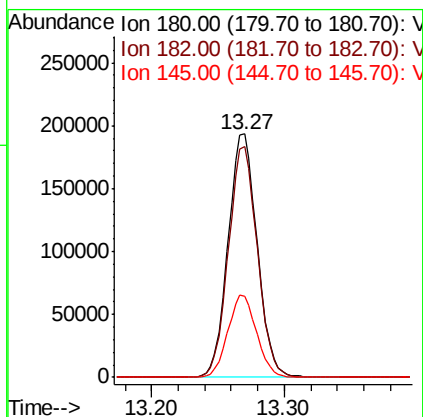
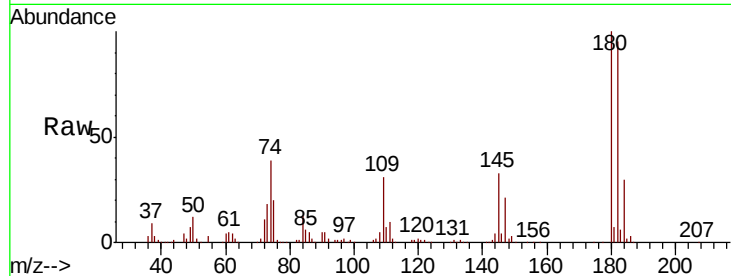




#68
1,2,4-trichlorobenzene
Concen: 48.746 ug/L
RT: 13.27 min Scan# 3788
Delta R.T. -0.00 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

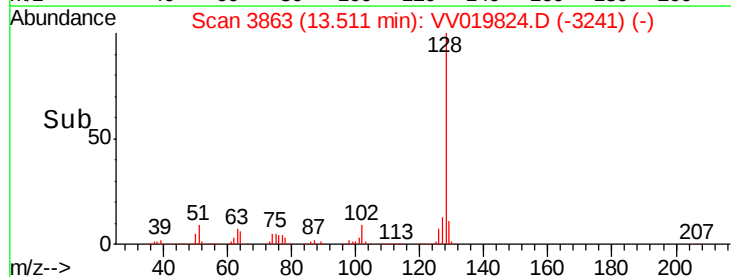
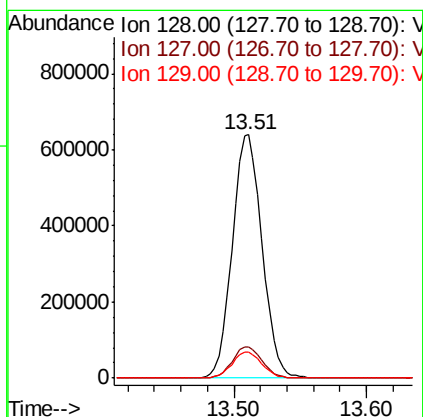
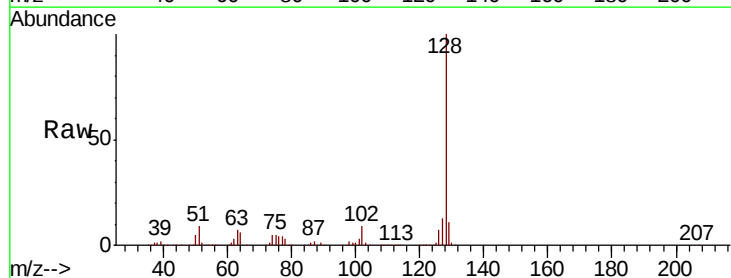
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

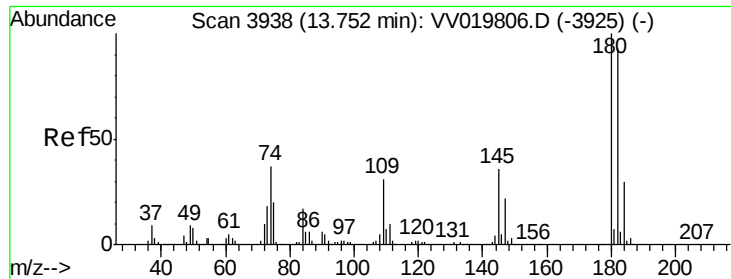
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.5	114.7
145	33.4	27.0	40.6



#69
Naphthalene
Concen: 47.512 ug/L
RT: 13.51 min Scan# 3863
Delta R.T. -0.00 min
Lab File: VV019824.D
Acq: 23 Dec 2020 20:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.6	12.8





#70
 1,2,3-Trichlorobenzene
 Concen: 49.474 ug/L
 RT: 13.75 min Scan# 3938
 Delta R.T. -0.00 min
 Lab File: VV019824.D
 Acq: 23 Dec 2020 20:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Tot Ion:	180	Resp:	292206
Ion Ratio	Lower	Upper	
180	100		
182	94.3	75.8	113.6
145	35.0	29.1	43.7

