

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
 Data File : VV019749.D
 Acq On : 19 Dec 2020 20:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Quant Time: Dec 21 03:42:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 03:36:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	758649	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	713989	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	346200	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	231827	42.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.22%
7) Chloroethane-d5	1.57	69	193260	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.08%
11) 1,1-Dichloroethene-d2	2.11	63	450146	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
21) 2-Butanone-d5	3.89	46	344526	116.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.52%
24) Chloroform-d	4.35	84	454463	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
26) 1,2-Dichloroethane-d4	5.03	65	304963	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.20%
32) Benzene-d6	5.05	84	878253	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
36) 1,2-Dichloropropane-d6	6.07	67	279922	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.86%
41) Toluene-d8	7.32	98	781533	45.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.16%
43) trans-1,3-Dichloropropene-	7.62	79	140006	41.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.52%
47) 2-Hexanone-d5	8.09	63	234870	100.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.32%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	370119	45.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.74%
64) 1,2-Dichlorobenzene-d4	11.63	152	292187	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	253687	41.436	ug/L	99
3) Chloromethane	1.24	50	289558	44.494	ug/L	99
5) Vinyl chloride	1.31	62	285292	43.705	ug/L	99
6) Bromomethane	1.52	94	171167	43.664	ug/L	99
8) Chloroethane	1.59	64	180790	45.917	ug/L	98
9) Trichlorofluoromethane	1.76	101	349723	43.851	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	197931	44.940	ug/L	98
12) 1,1-Dichloroethene	2.12	96	197663	43.735	ug/L #	67
13) Acetone	2.19	43	247563	98.278	ug/L	99
14) Carbon disulfide	2.30	76	572444	38.547	ug/L	99
15) Methyl Acetate	2.43	43	268258	48.879	ug/L	97
16) Methylene chloride	2.51	84	246035	46.430	ug/L	97
17) trans-1,2-Dichloroethene	2.76	96	215808	43.564	ug/L	98
18) Methyl tert-butyl Ether	2.77	73	762423	44.045	ug/L	99
19) 1,1-Dichloroethane	3.19	63	444981	46.333	ug/L	99
20) cis-1,2-Dichloroethene	3.91	96	243723	44.755	ug/L #	97
22) 2-Butanone	3.97	43	372304	100.758	ug/L	97

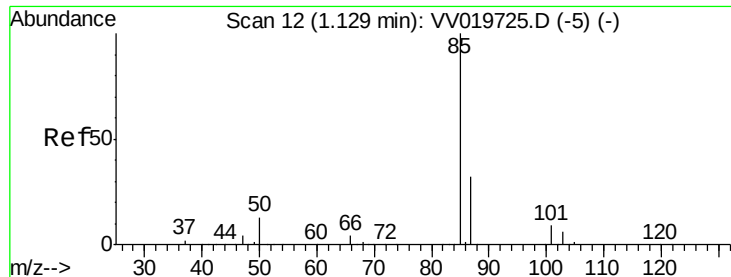
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	120548	44.990	ug/L	94
25) Chloroform	4.38	83	448933	46.804	ug/L	100
27) 1,2-Dichloroethane	5.13	62	365541	46.001	ug/L	99
29) Cyclohexane	4.68	56	368023	42.056	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	377082	42.120	ug/L	98
31) Carbon tetrachloride	4.83	117	308938	40.878	ug/L	99
33) Benzene	5.10	78	943381	45.210	ug/L	100
34) Trichloroethene	5.92	95	240493	43.629	ug/L	98
35) Methylcyclohexane	6.13	83	359302	42.906	ug/L	97
37) 1,2-Dichloropropane	6.17	63	254592	46.720	ug/L	100
38) Bromodichloromethane	6.51	83	333114	43.715	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	398053	43.981	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	745194	94.786	ug/L	98
42) Toluene	7.39	91	968242	44.025	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	385217	42.035	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	234172	45.252	ug/L	99
46) Tetrachloroethene	7.98	164	159317	41.769	ug/L	97
48) 2-Hexanone	8.14	43	565855	94.856	ug/L	97
49) Dibromochloromethane	8.25	129	238834	42.144	ug/L	100
50) 1,2-Dibromoethane	8.35	107	245307	45.015	ug/L	98
51) Chlorobenzene	8.88	112	617094	43.932	ug/L	100
52) Ethylbenzene	9.02	91	1094086	43.663	ug/L	99
53) m,p-Xylene	9.14	106	403980	43.154	ug/L	98
54) o-xylene	9.55	106	392584	42.785	ug/L	99
55) Styrene	9.56	104	696612	43.560	ug/L	100
56) Isopropylbenzene	9.94	105	1057291	43.252	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	380196	45.686	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	316428	46.684	ug/L	99
61) Bromoform	9.73	173	151813	39.631	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	467313	43.996	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	476475	44.299	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	476854	45.433	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	88994	40.620	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	341027	45.442	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	313693	44.706	ug/L	99
69) Naphthalene	13.51	128	1037217	42.571	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	305210	44.510	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 41.436 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

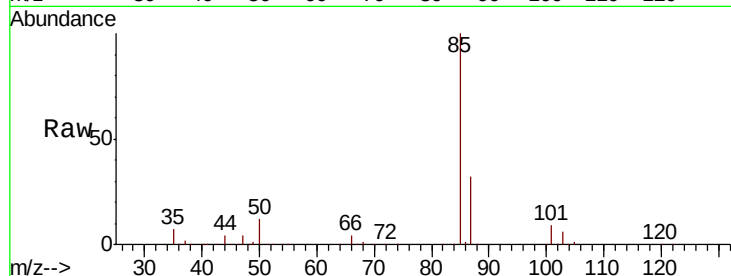
VSTD05098

Tot Ion: 85 Resp: 253687

Ion Ratio Lower Upper

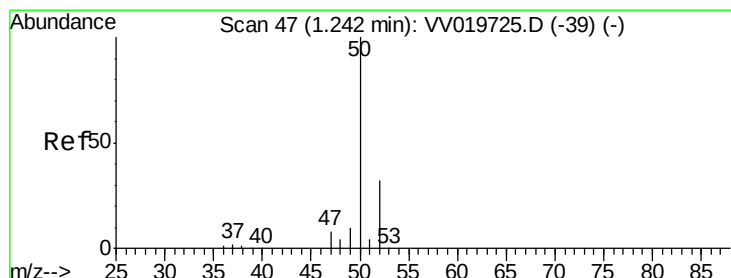
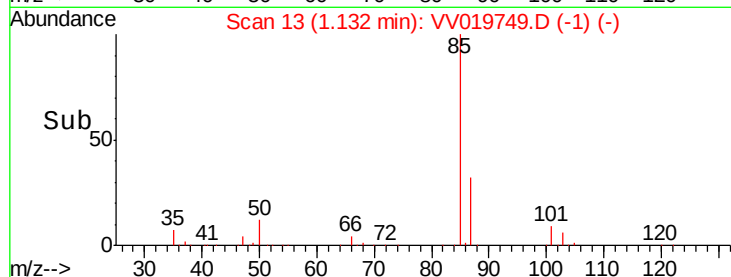
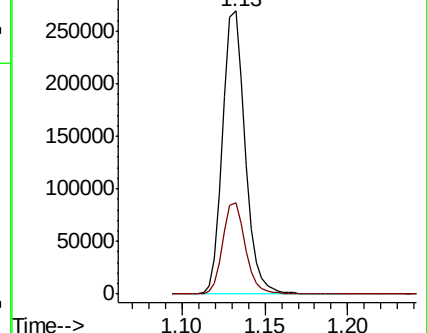
85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 44.494 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019749.D

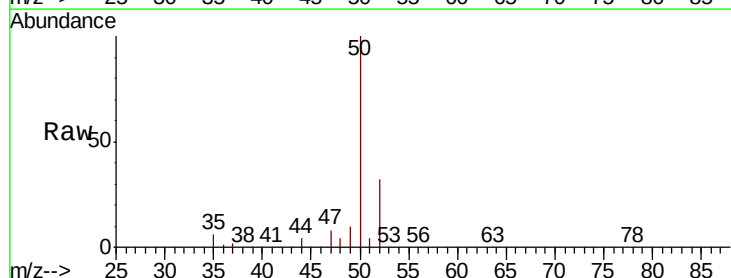
Acq: 19 Dec 2020 20:00

Tgt Ion: 50 Resp: 289558

Ion Ratio Lower Upper

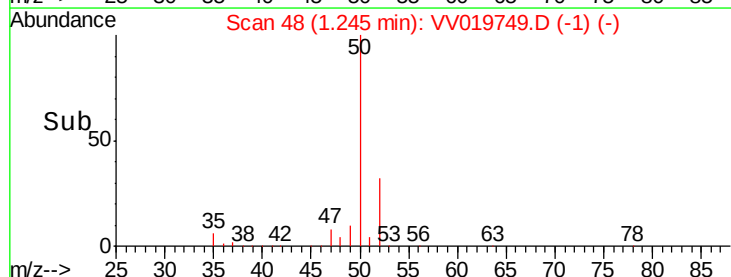
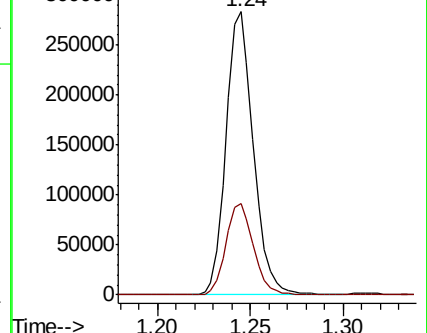
50 100

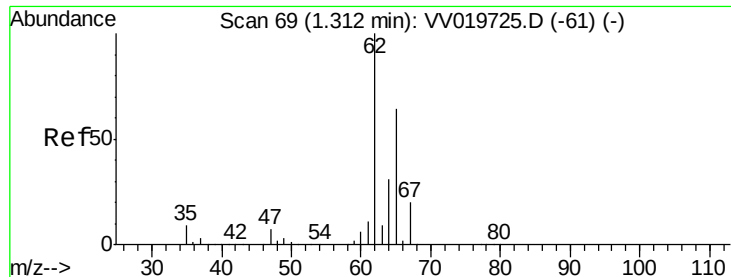
52 32.5 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 43.705 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

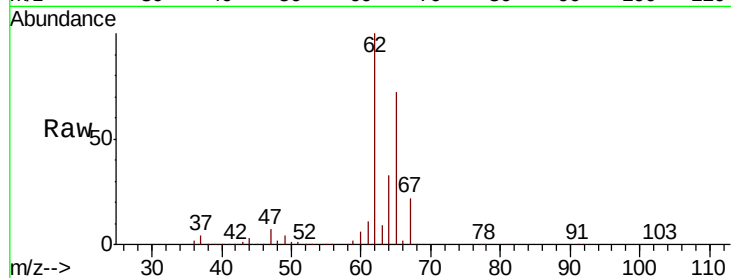
VSTD05098

Tot Ion: 62 Resp: 285292

Ion Ratio Lower Upper

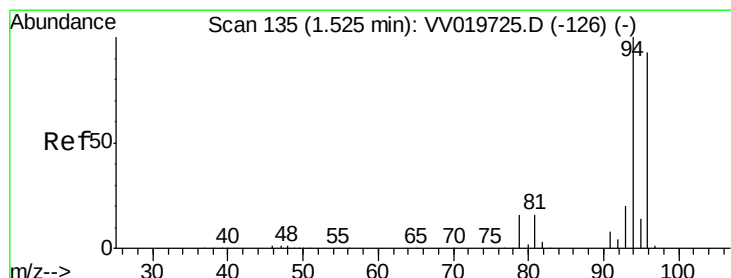
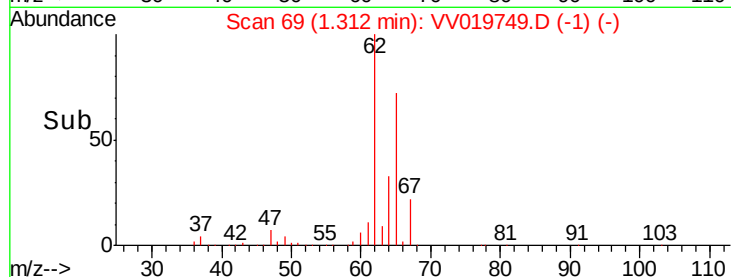
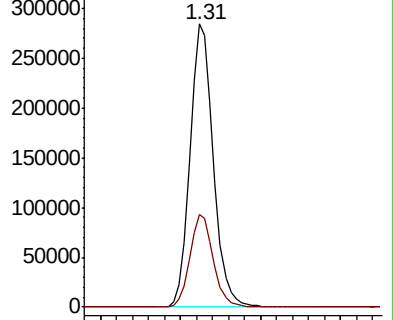
62 100

64 32.7 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 43.664 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019749.D

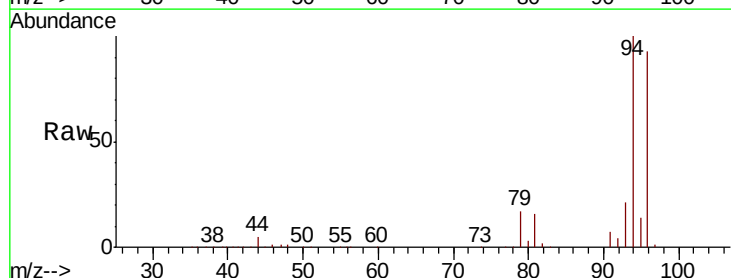
Acq: 19 Dec 2020 20:00

Tgt Ion: 94 Resp: 171167

Ion Ratio Lower Upper

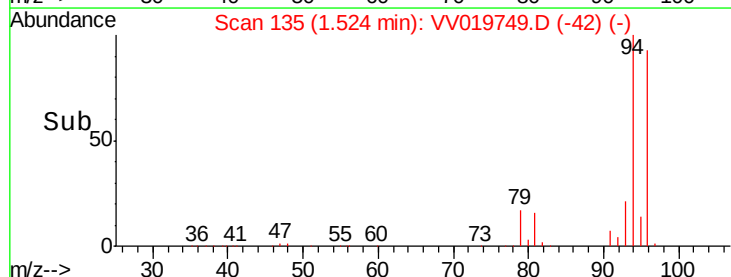
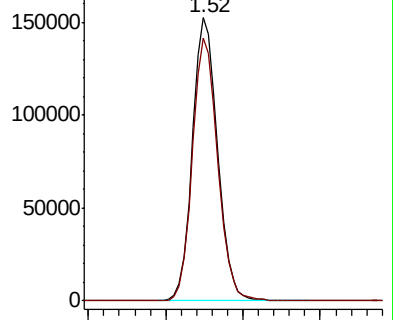
94 100

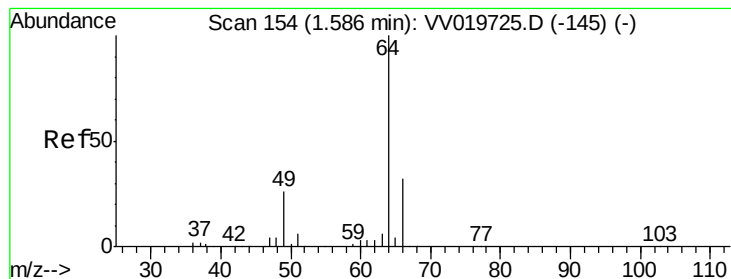
96 92.7 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 45.917 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

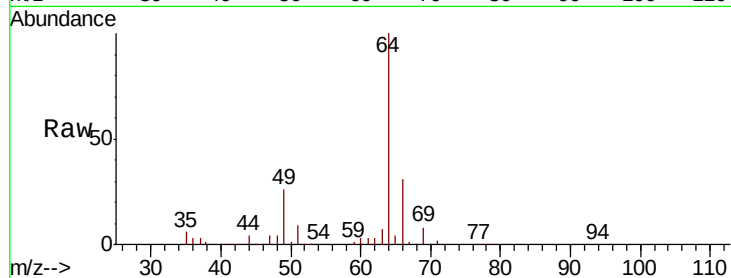
VSTD05098

Tot Ion: 64 Resp: 180790

Ion Ratio Lower Upper

64 100

66 31.2 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019725.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV019725.D (-145) (-)

1.59

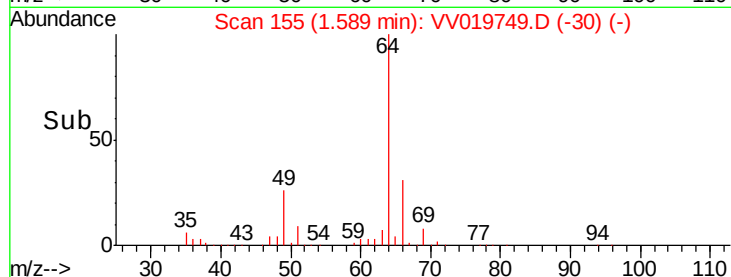
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100000

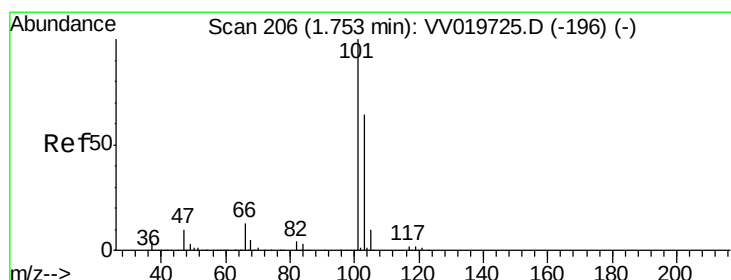
50000

0

Time-->



Time-->



#9

Trichlorofluoromethane

Concen: 43.851 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV019749.D

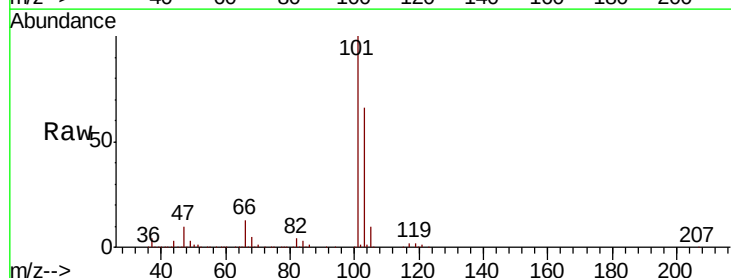
Acq: 19 Dec 2020 20:00

Tgt Ion: 101 Resp: 349723

Ion Ratio Lower Upper

101 100

103 65.0 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019725.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019725.D (-196) (-)

1.76

300000

250000

200000

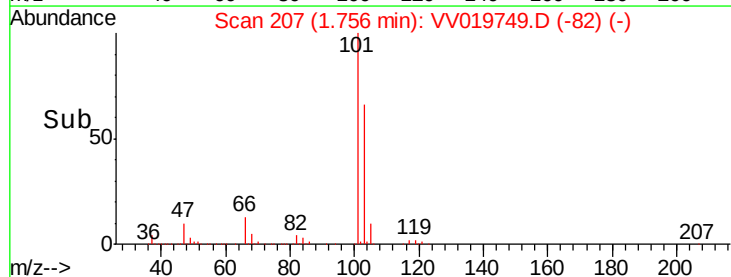
150000

100000

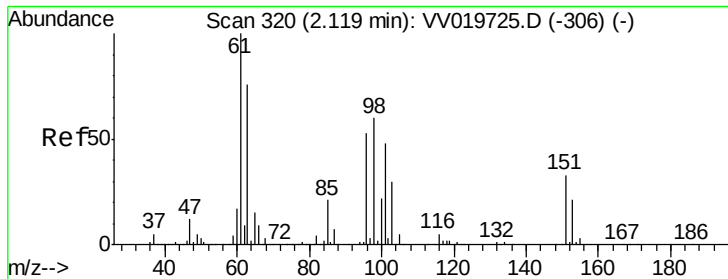
50000

0

Time-->



Time-->



#10

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

Concen: 44.940 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

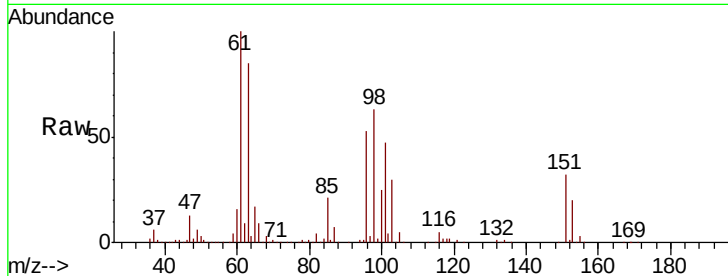
Tot Ion:101 Resp: 197931

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.4

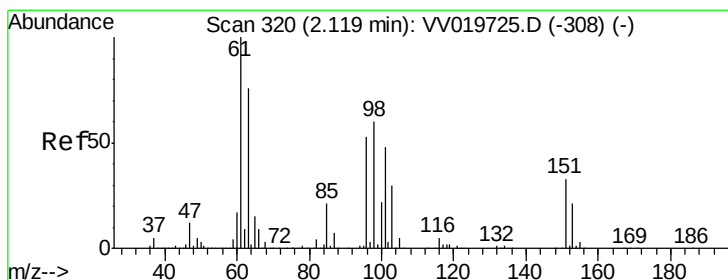
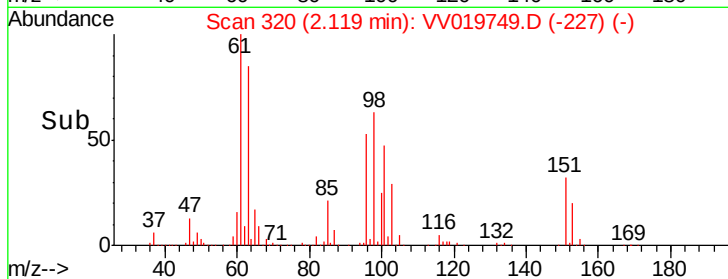
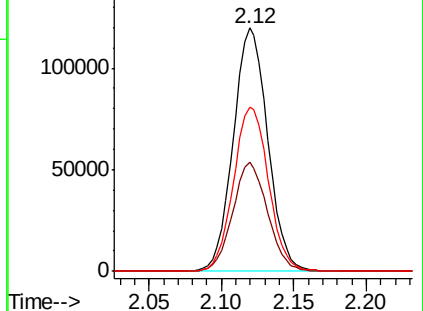
151 68.6 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019749.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019749.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019749.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 43.735 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

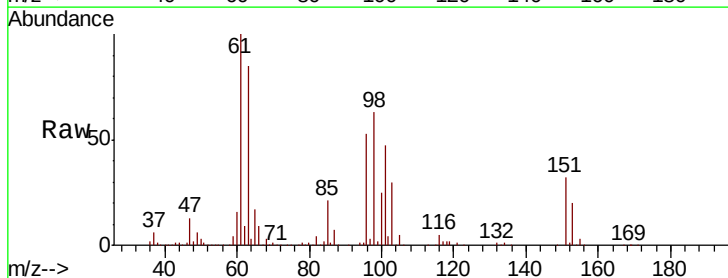
Tgt Ion: 96 Resp: 197663

Ion Ratio Lower Upper

96 100

61 189.5 120.7 224.1

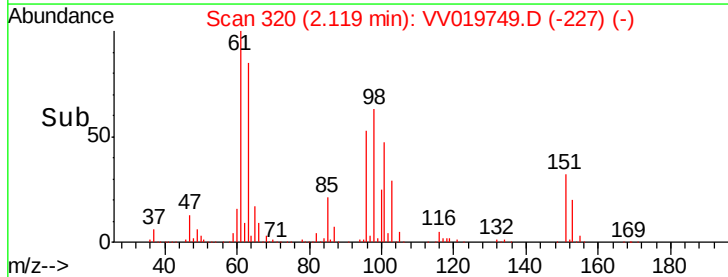
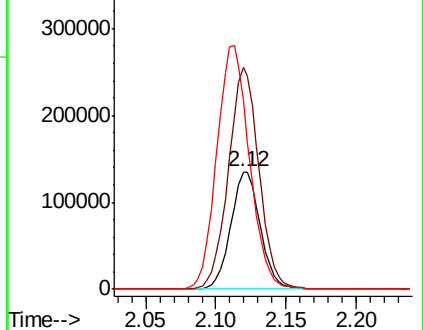
63 160.9 64.3 119.5#

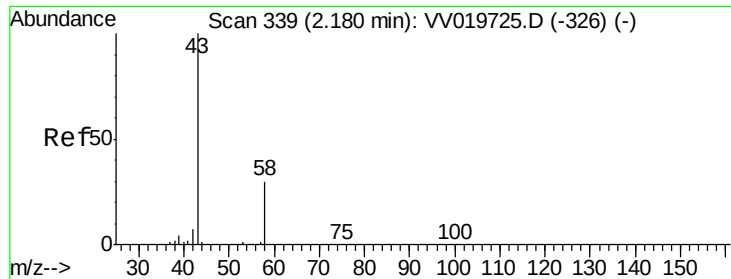


Abundance Ion 96.00 (95.70 to 96.70): VV019749.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019749.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019749.D (-227) (-)





#13

Acetone

Concen: 98.278 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

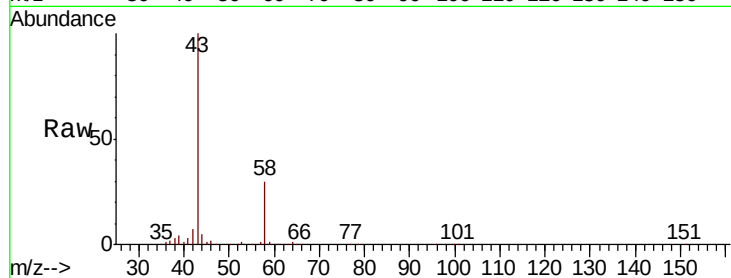
VSTD05098

Tot Ion: 43 Resp: 247563

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019725.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019725.D (-326) (-)

2.19

100000

80000

60000

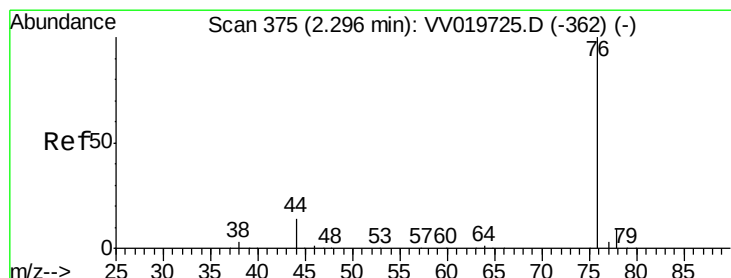
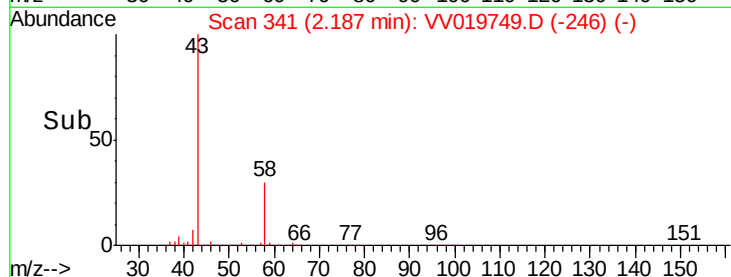
40000

20000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 38.547 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019749.D

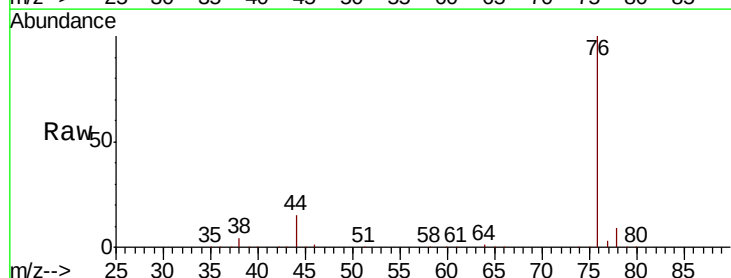
Acq: 19 Dec 2020 20:00

Tgt Ion: 76 Resp: 572444

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019725.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VV019725.D (-362) (-)

2.30

400000

300000

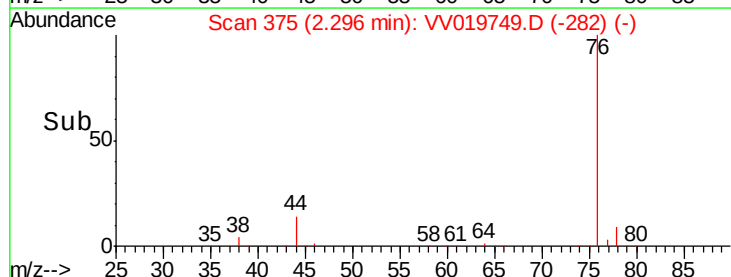
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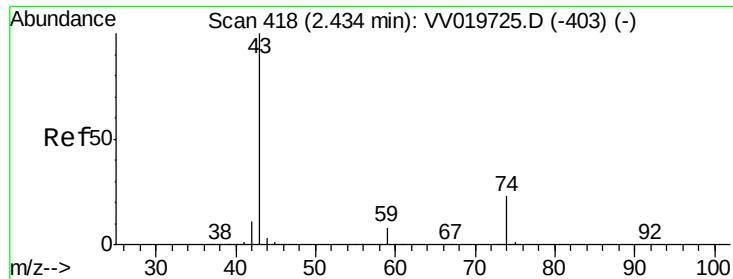
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Time-->

2.25 2.30 2.35

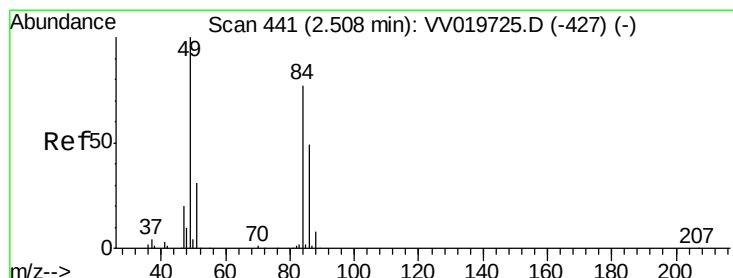
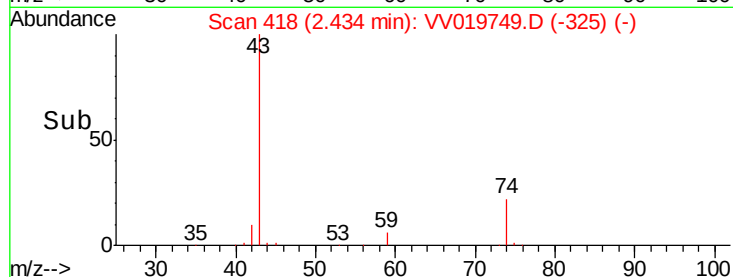
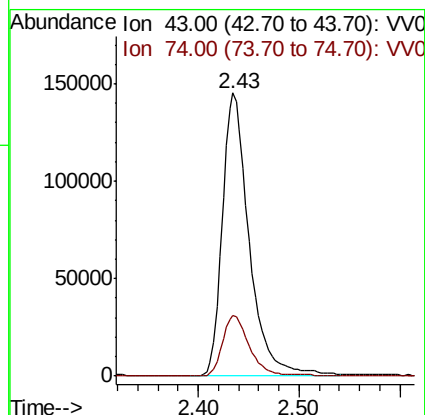
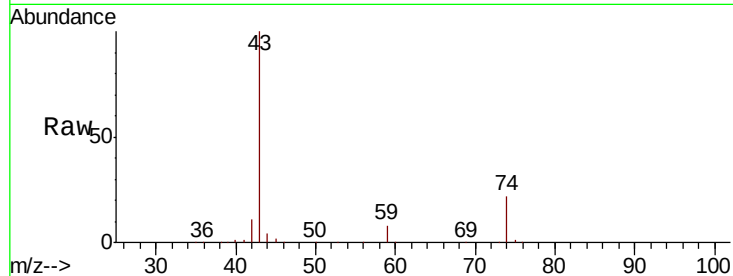




#15
Methvl Acetate
Concen: 48.879 ug/L
RT: 2.43 min Scan# 418
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

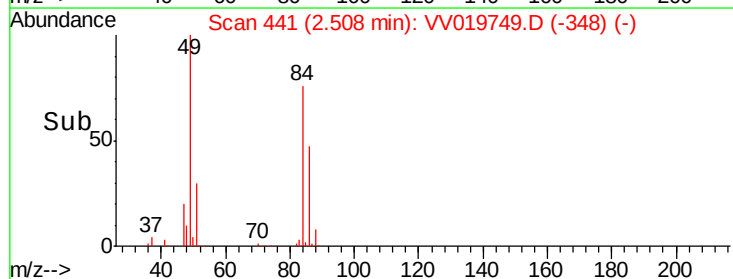
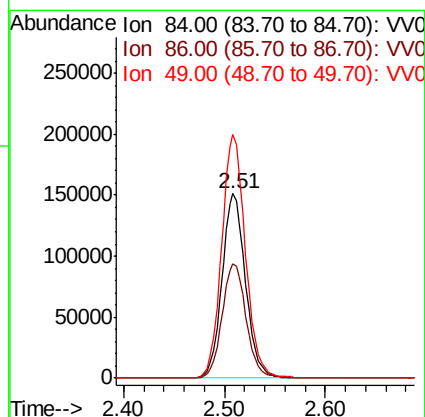
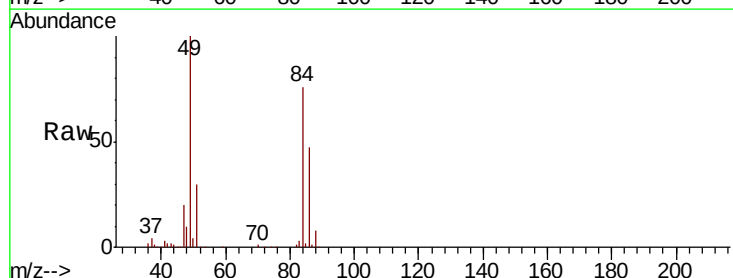
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

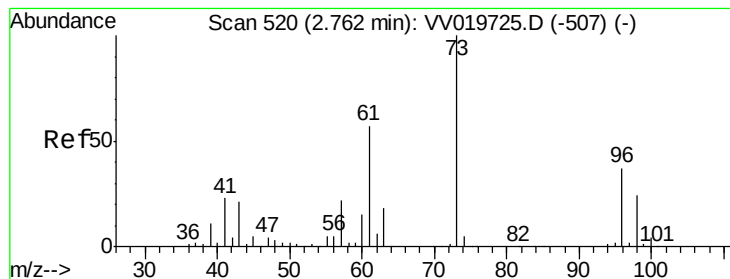
Tot Ion: 43 Resp: 268258
Ion Ratio Lower Upper
43 100
74 21.4 18.2 27.4



#16
Methylene chloride
Concen: 46.430 ug/L
RT: 2.51 min Scan# 441
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

Tgt Ion: 84 Resp: 246035
Ion Ratio Lower Upper
84 100
86 61.8 45.7 84.9
49 132.1 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 43.564 ug/L

RT: 2.76 min Scan# 520

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

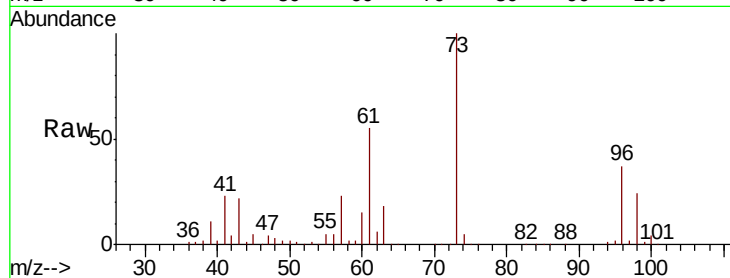
MSVOA_V

ClientSampleId :

VSTD05098

Tot Ion: 96 Resp: 215808

Ion	Ratio	Lower	Upper
96	100		
61	150.3	103.5	192.1
98	64.6	44.4	82.5

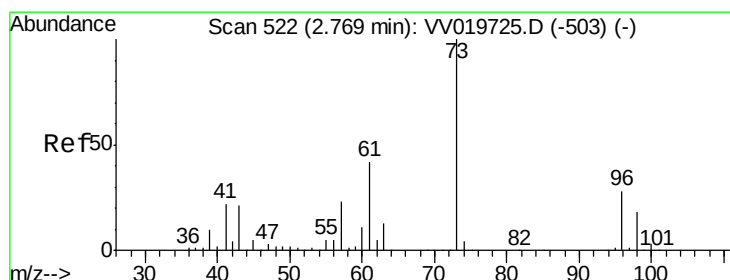
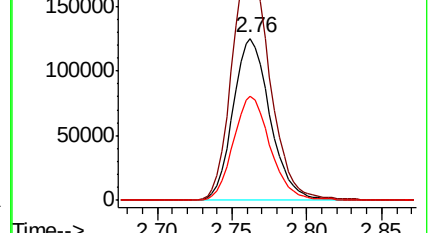
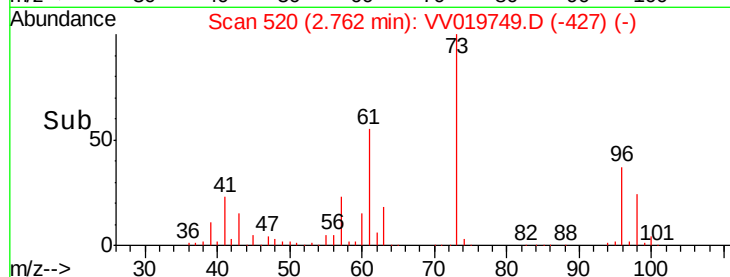


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 44.045 ug/L

RT: 2.77 min Scan# 522

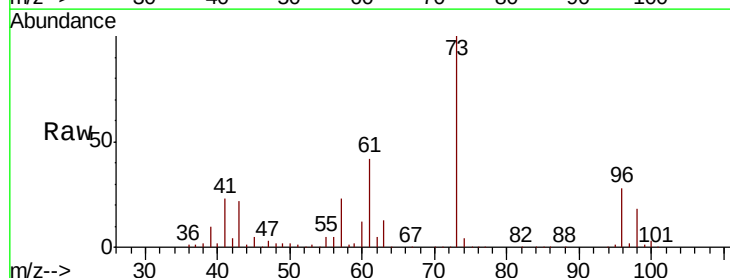
Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Tgt Ion: 73 Resp: 762423

Ion	Ratio	Lower	Upper
73	100		
43	21.4	17.3	25.9
57	22.6	17.5	26.3

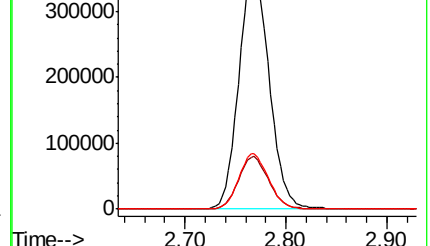
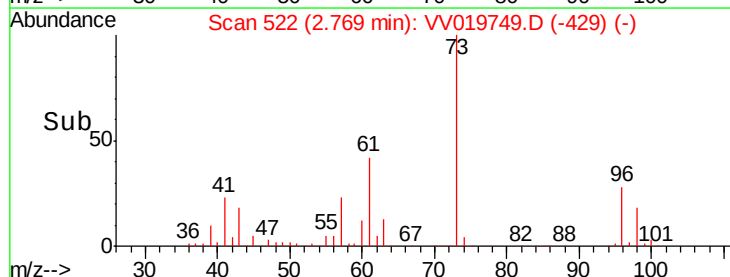


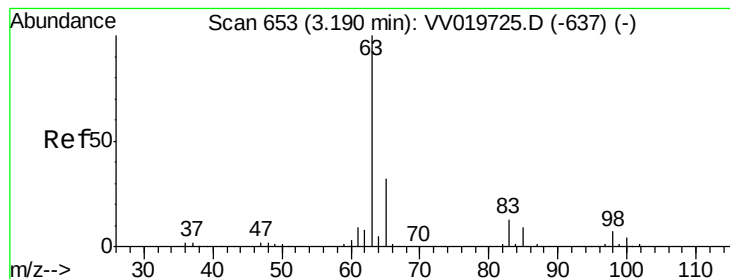
Abundance

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: 46.333 ug/L

RT: 3.19 min Scan# 653

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

VSTD05098

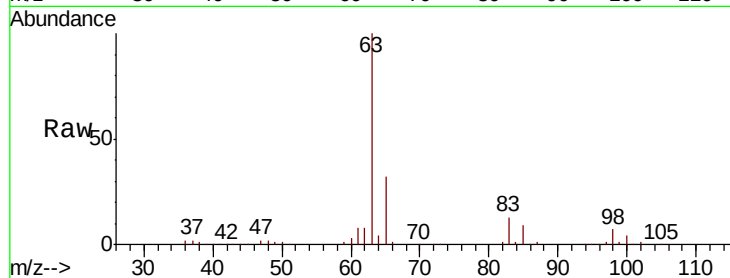
Tot Ion: 63 Resp: 444981

Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

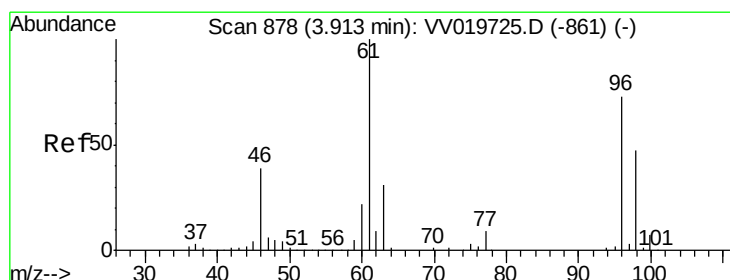
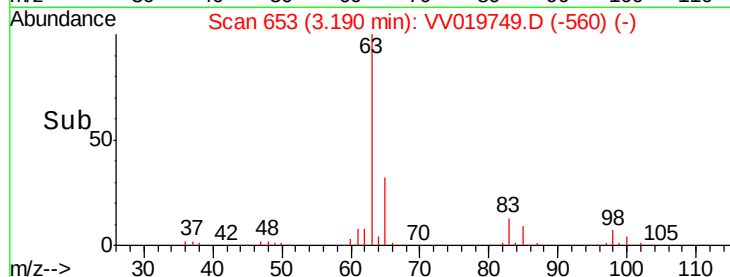
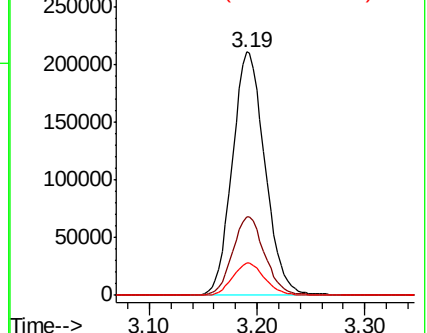
83 13.1 9.6 17.8



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: 44.755 ug/L

RT: 3.91 min Scan# 878

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

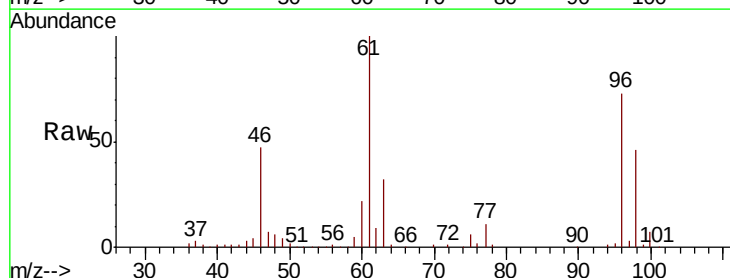
Tgt Ion: 96 Resp: 243723

Ion Ratio Lower Upper

96 100

61 137.7 94.1 174.8

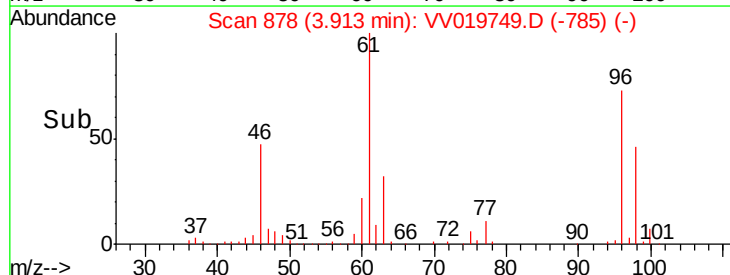
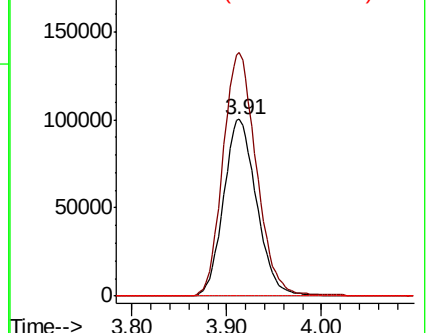
68 0.0 0.1 0.1#

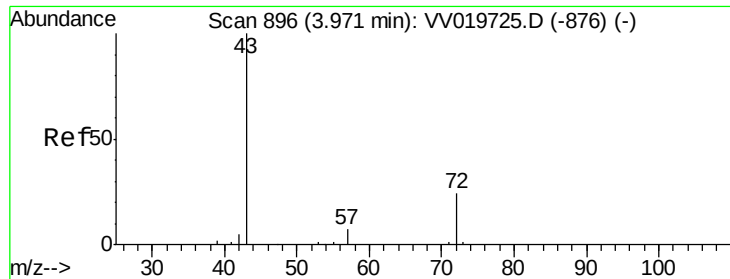


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 100.758 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

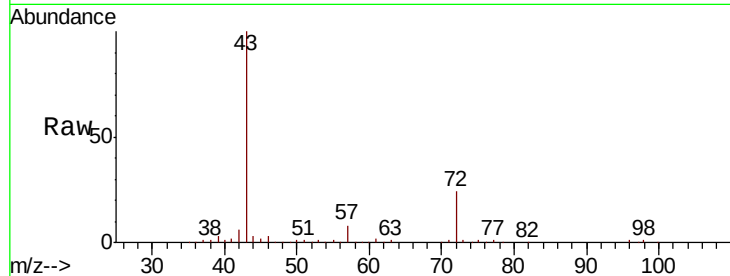
VSTD05098

Tot Ion: 43 Resp: 372304

Ion Ratio Lower Upper

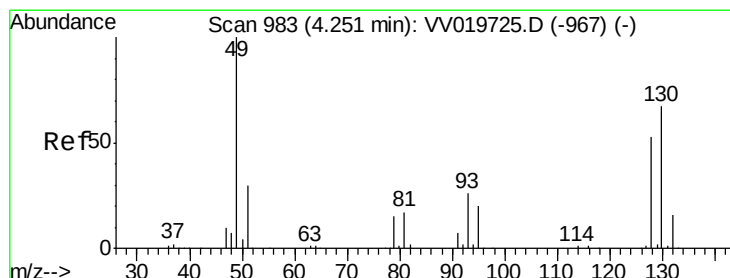
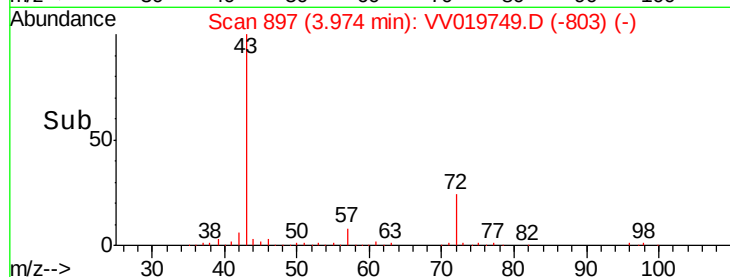
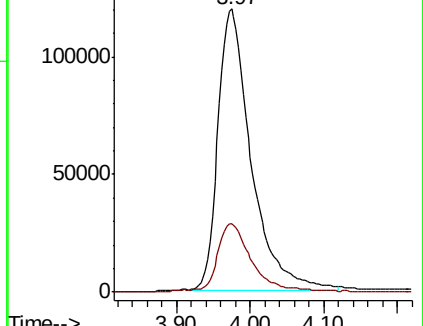
43 100

72 22.9 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019725.D (-876) (-)

Ion 72.00 (71.70 to 72.70): VV019725.D (-876) (-)



#23

Bromochloromethane

Concen: 44.990 ug/L

RT: 4.25 min Scan# 982

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Tgt Ion:128 Resp: 120548

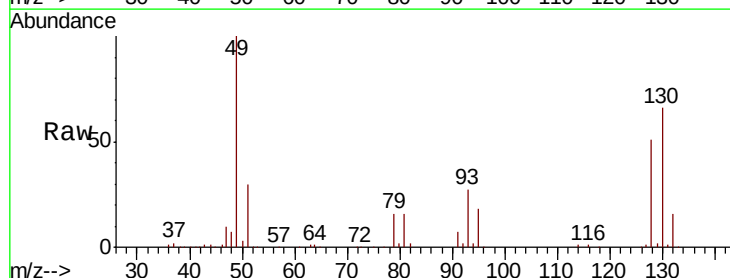
Ion Ratio Lower Upper

128 100

49 195.2 127.0 235.8

130 129.2 90.3 167.7

51 59.5 44.5 66.7

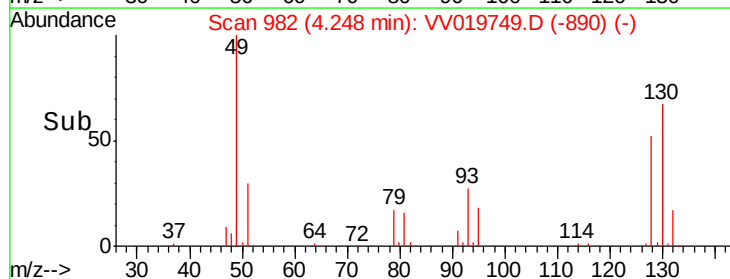
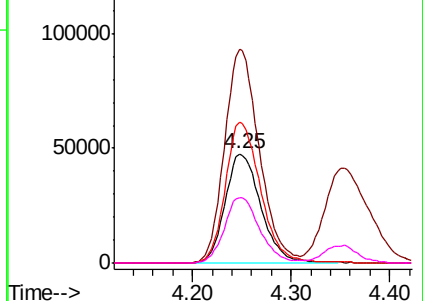


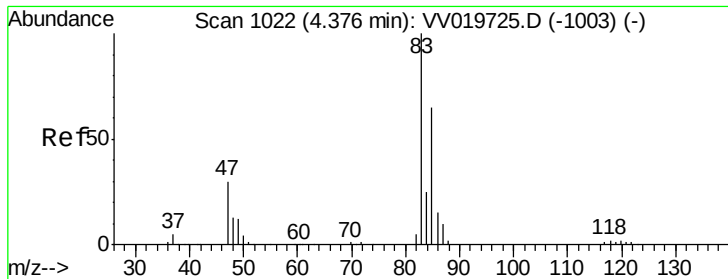
Abundance Ion 128.00 (127.70 to 128.70): VV019749.D (-890) (-)

Ion 49.00 (48.70 to 49.70): VV019749.D (-890) (-)

Ion 130.00 (129.70 to 130.70): VV019749.D (-890) (-)

Ion 51.00 (50.70 to 51.70): VV019749.D (-890) (-)

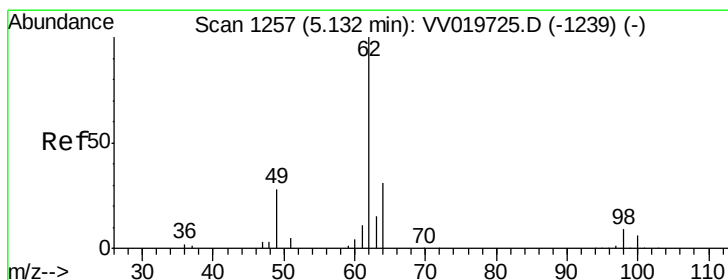
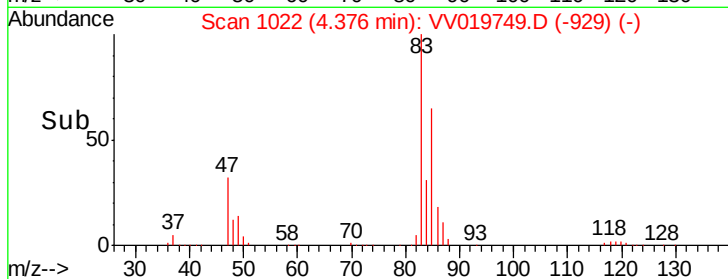
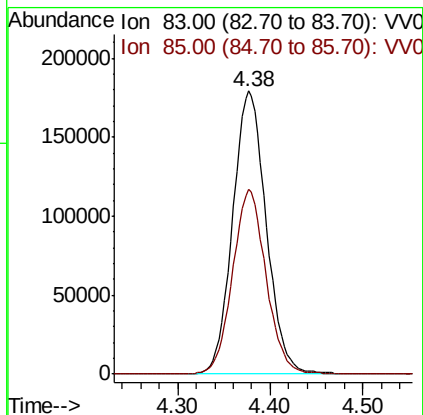
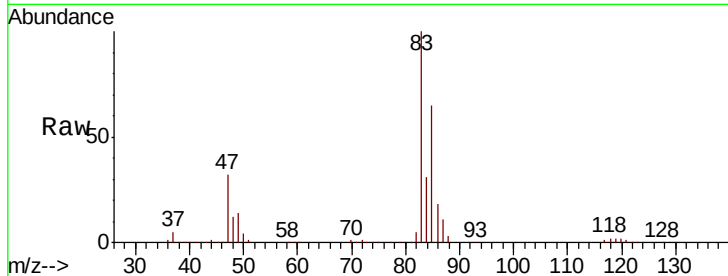




#25
Chloroform
Concen: 46.804 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

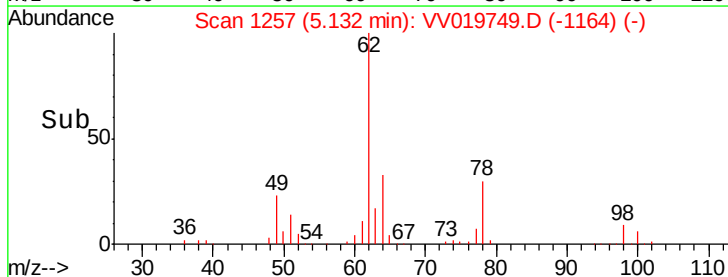
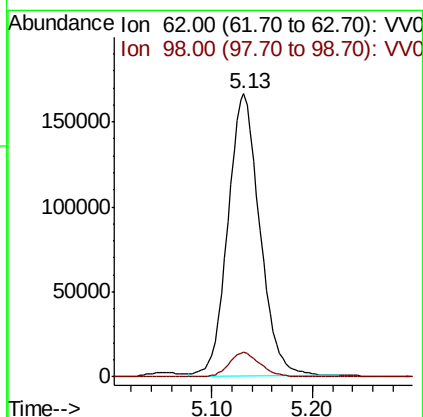
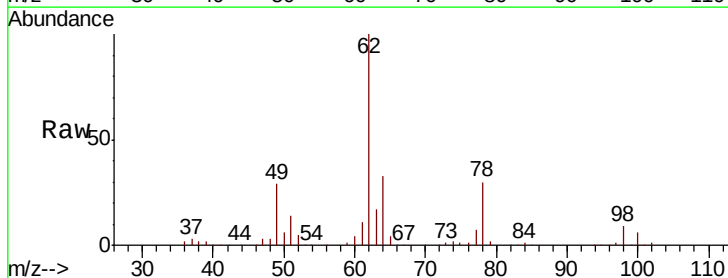
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

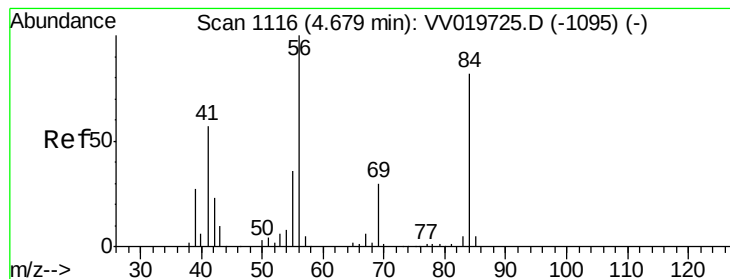
Tot Ion: 83 Resp: 448933
Ion Ratio Lower Upper
83 100
85 65.3 45.6 84.6



#27
1,2-Dichloroethane
Concen: 46.001 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

Tgt Ion: 62 Resp: 365541
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0





#29

Cyclohexane

Concen: 42.056 ug/L

RT: 4.68 min Scan# 1116

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

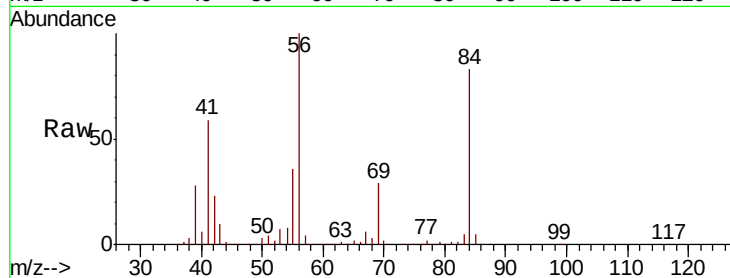
Tot Ion: 56 Resp: 368023

Ion Ratio Lower Upper

56 100

69 30.1 24.6 37.0

84 83.3 68.2 102.4

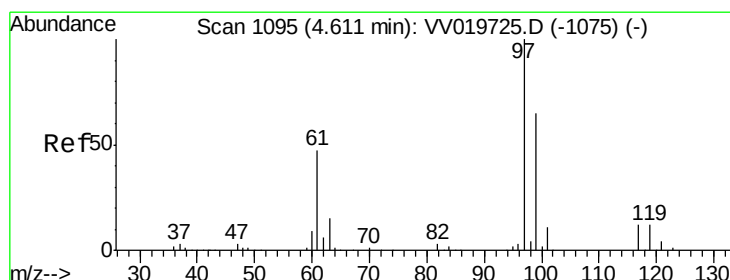
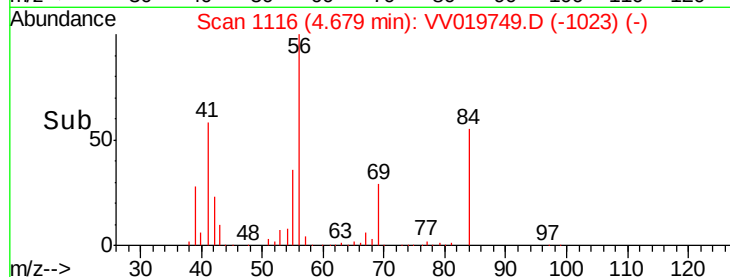
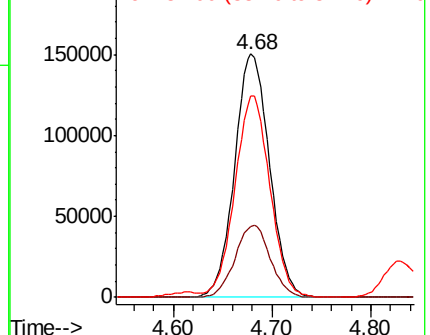


Abundance

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: 42.120 ug/L

RT: 4.61 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

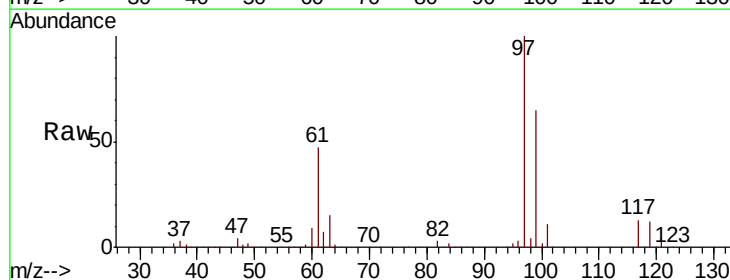
Tgt Ion: 97 Resp: 377082

Ion Ratio Lower Upper

97 100

99 65.3 51.3 76.9

61 47.7 36.3 54.5

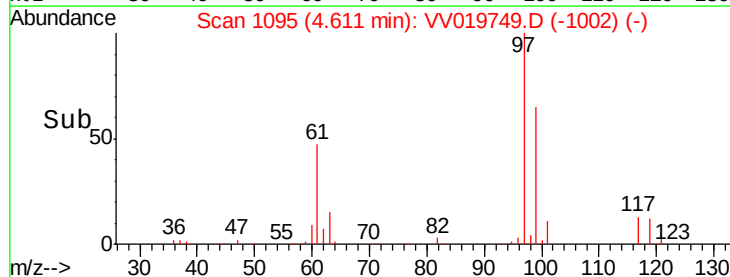
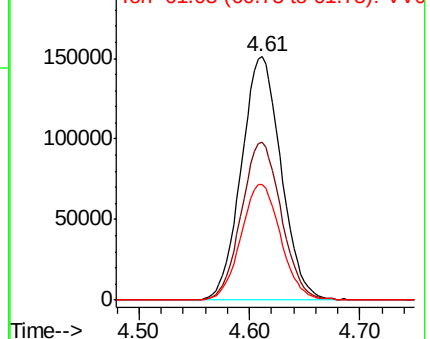


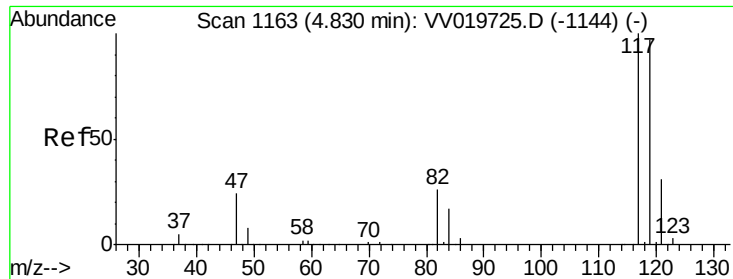
Abundance

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: 40.878 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

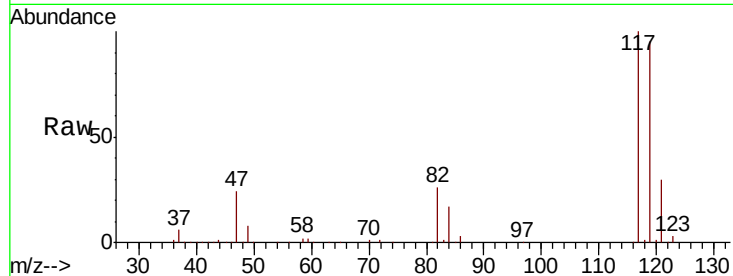
VSTD05098

Tot Ion:117 Resp: 308938

Ion Ratio Lower Upper

117 100

119 95.7 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

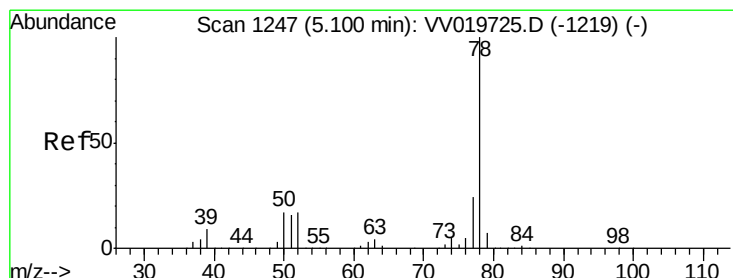
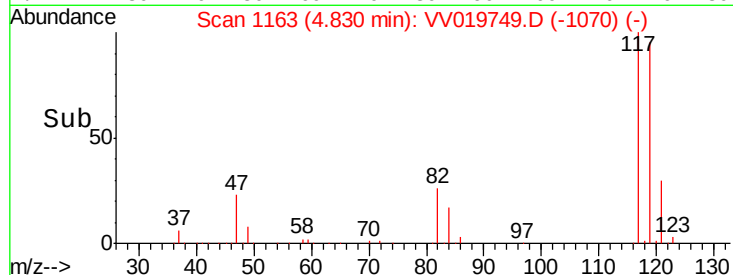
100000

50000

0

4.70 4.80 4.90

4.83



#33

Benzene

Concen: 45.210 ug/L

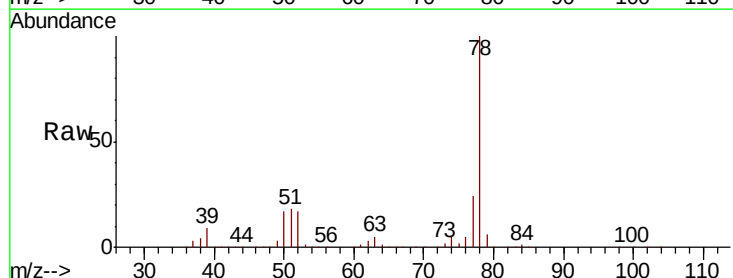
RT: 5.10 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Tgt Ion: 78 Resp: 943381



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

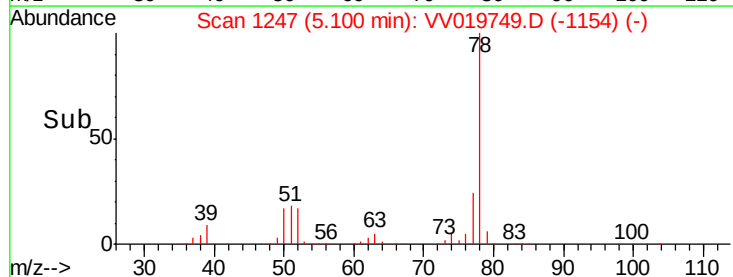
200000

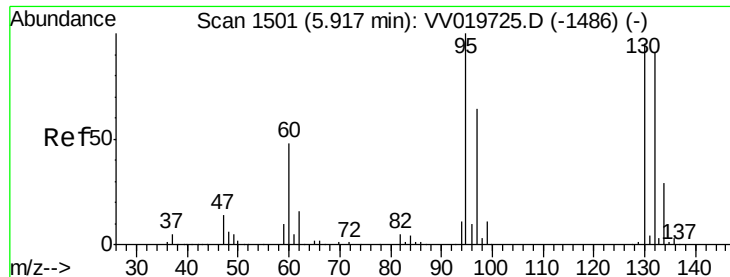
100000

0

5.00 5.10 5.20

5.10





#34

Trichloroethene

Concen: 43.629 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

Tot Ion: 95 Resp: 240493

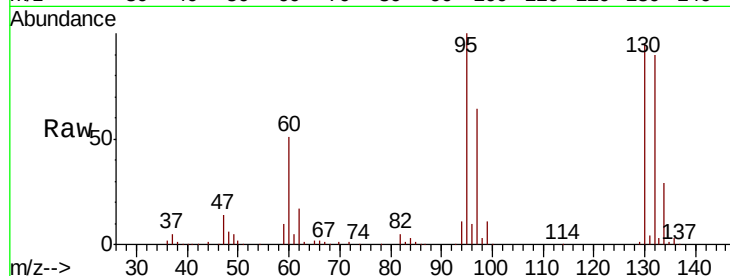
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.4

132 89.7 64.3 119.3

130 95.2 67.8 125.8

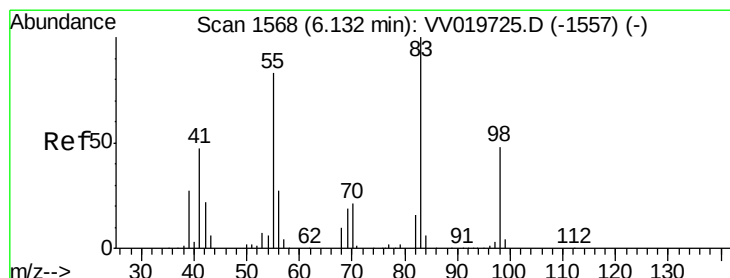
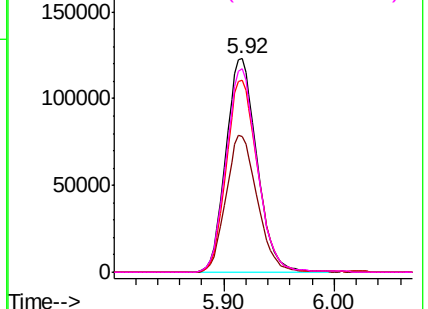
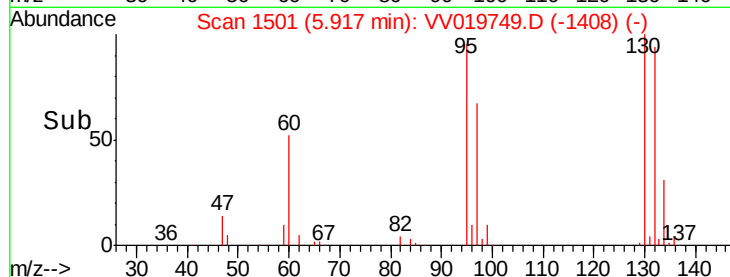


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 42.906 ug/L

RT: 6.13 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

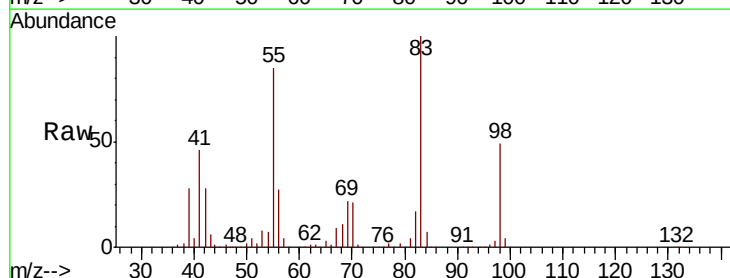
Tgt Ion: 83 Resp: 359302

Ion Ratio Lower Upper

83 100

55 83.2 64.2 96.4

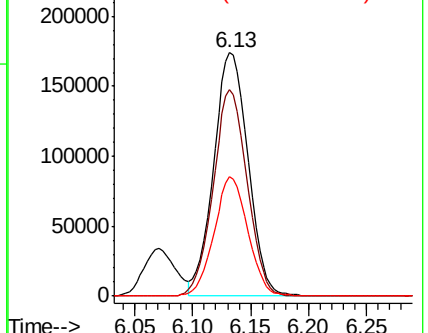
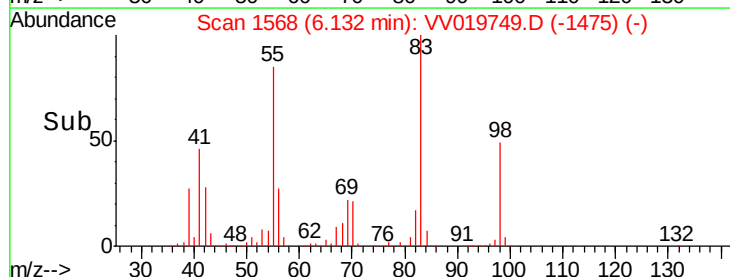
98 48.2 39.3 58.9

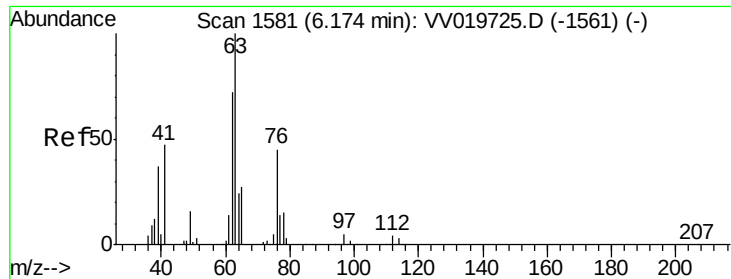


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

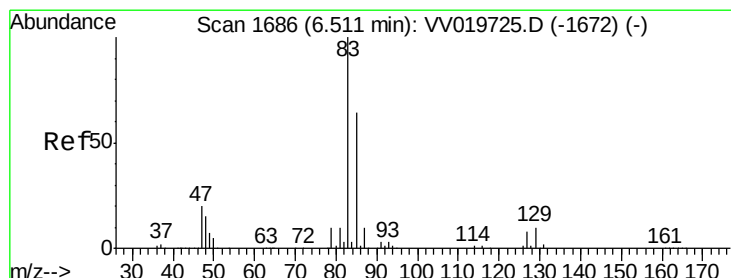
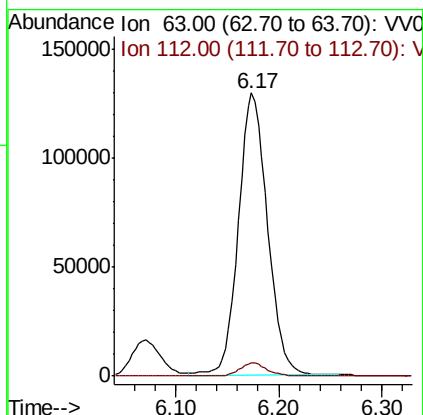
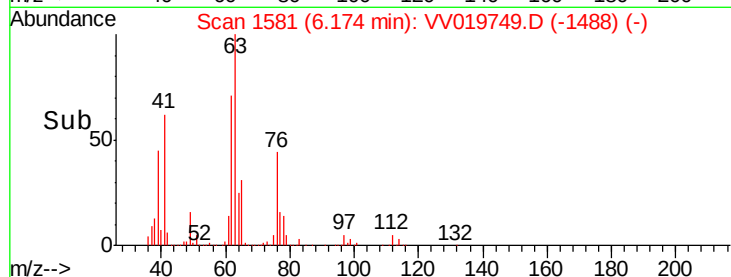
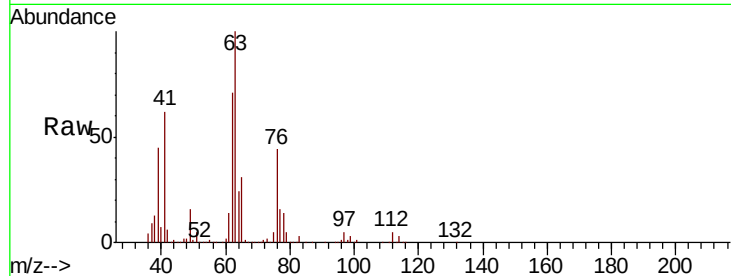




#37
 1,2-Dichloropropane
 Concen: 46.720 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

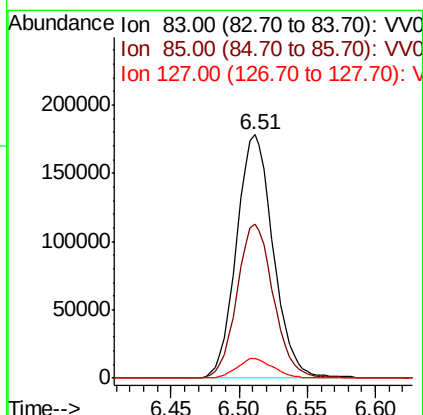
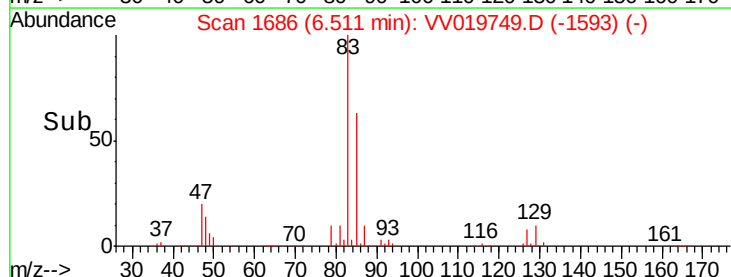
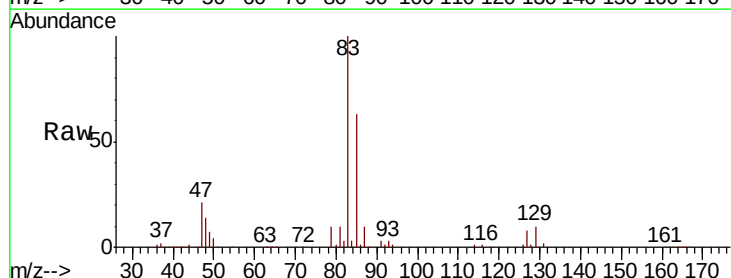
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

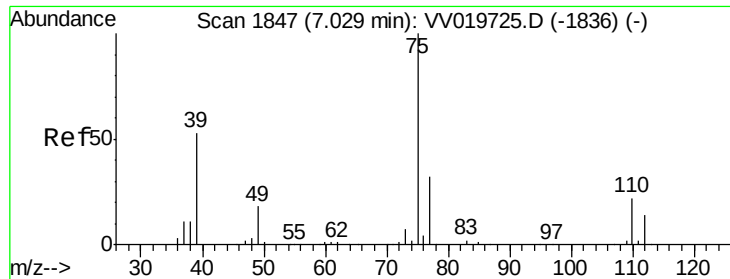
Tot Ion: 63 Resp: 254592
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 43.715 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

Tgt Ion: 83 Resp: 333114
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.9 83.5
 127 8.2 6.7 10.1

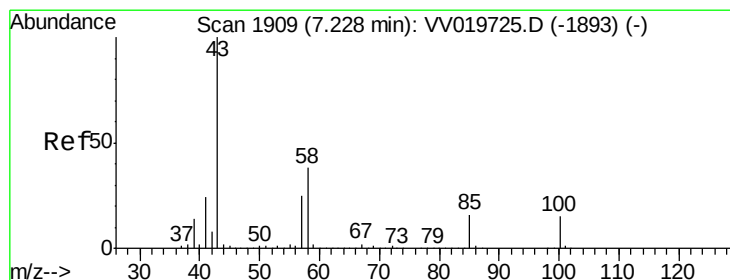
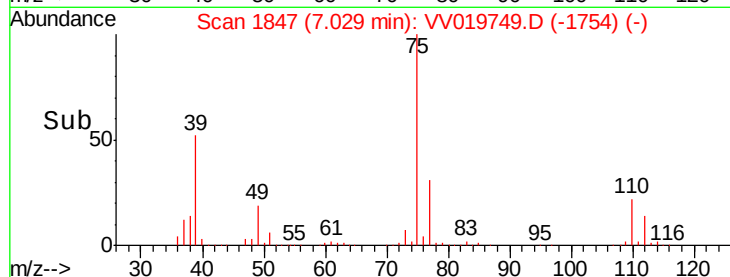
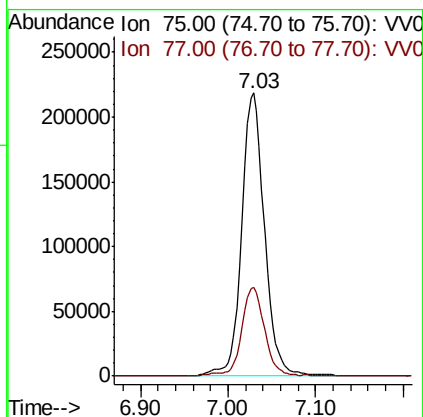
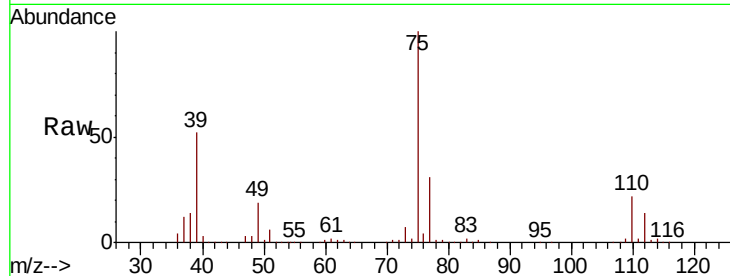




#39
 cis-1,3-Dichloropropene
 Concen: 43.981 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

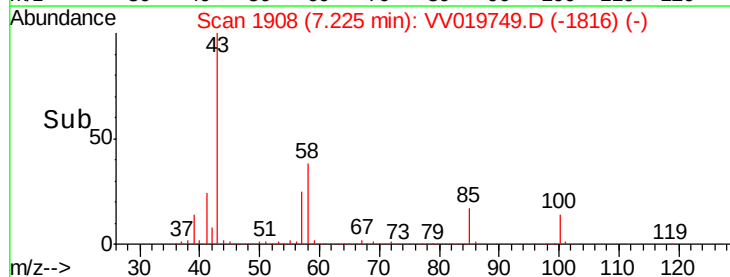
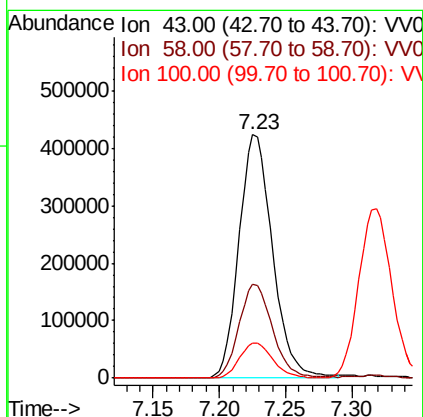
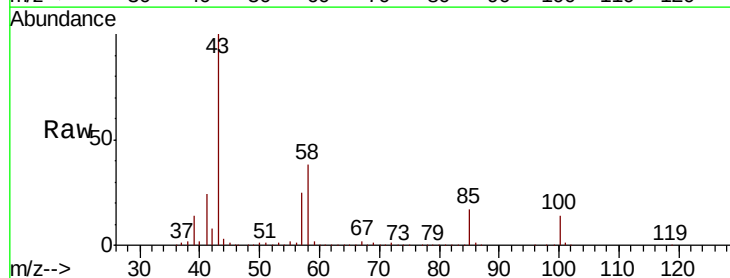
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

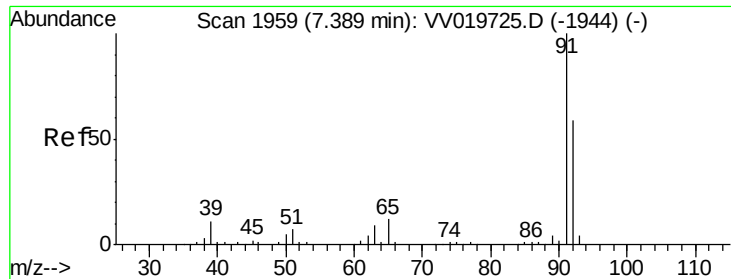
Tot Ion: 75 Resp: 398053
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 94.786 ug/L
 RT: 7.23 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

Tgt Ion: 43 Resp: 745194
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.7 47.5
 100 14.5 12.5 18.7





#42

Toluene

Concen: 44.025 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

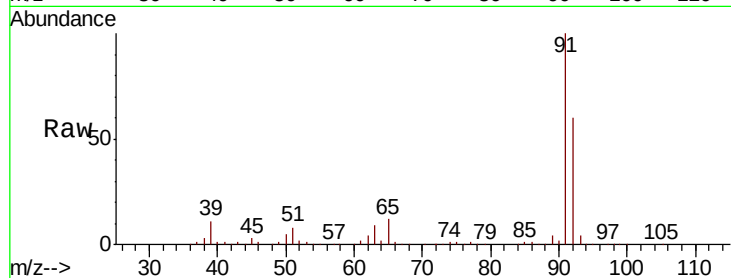
VSTD05098

Tot Ion: 91 Resp: 968242

Ion Ratio Lower Upper

91 100

92 59.6 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV019749.D (-1866) (-)

Ion 92.00 (91.70 to 92.70): VV019749.D (-1866) (-)

600000

500000

400000

300000

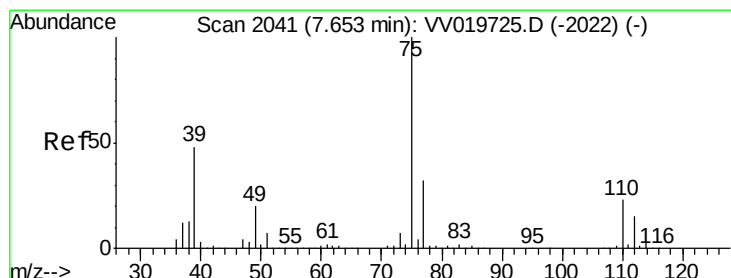
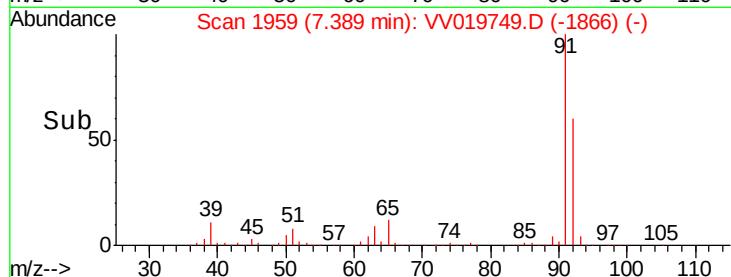
200000

100000

0

7.30 7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 42.035 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019749.D

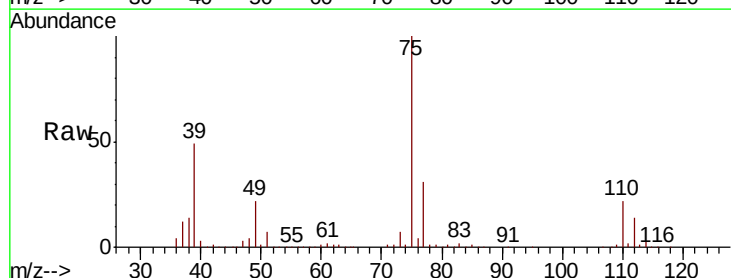
Acq: 19 Dec 2020 20:00

Tgt Ion: 75 Resp: 385217

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV019749.D (-1948) (-)

Ion 77.00 (76.70 to 77.70): VV019749.D (-1948) (-)

250000

200000

150000

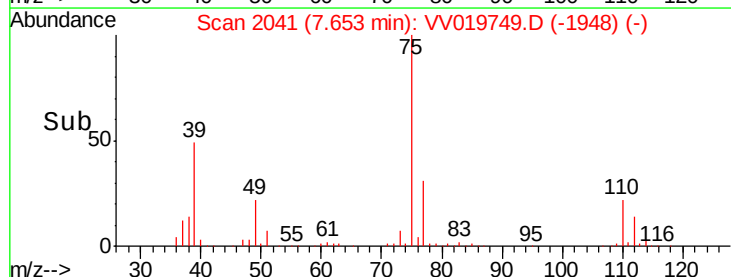
100000

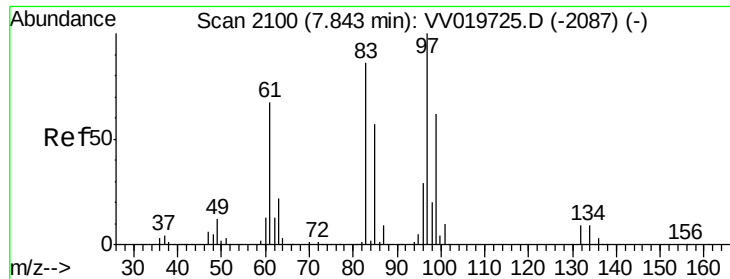
50000

0

7.50 7.60 7.70 7.80

Time-->

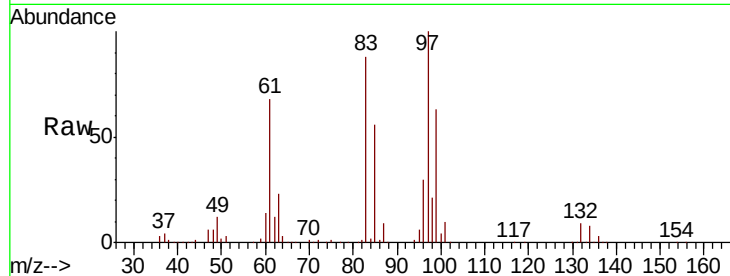




#45
1,1,2-Trichloroethane
Concen: 45.252 ug/L
RT: 7.84 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tot Ion:	97	Resp:	234172
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.1	81.9
83	87.7	60.0	111.4
85	56.3	38.6	71.8



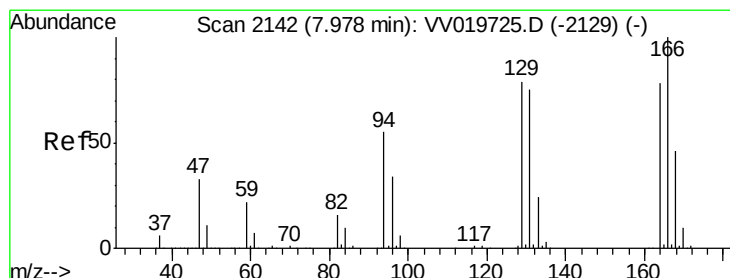
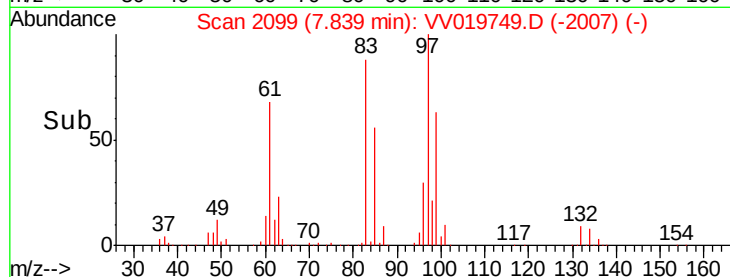
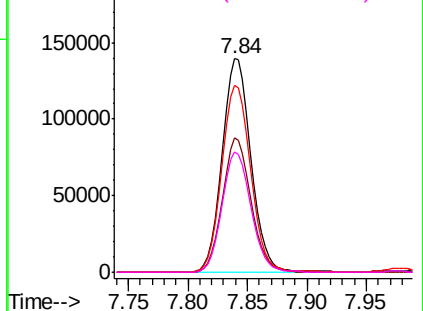
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

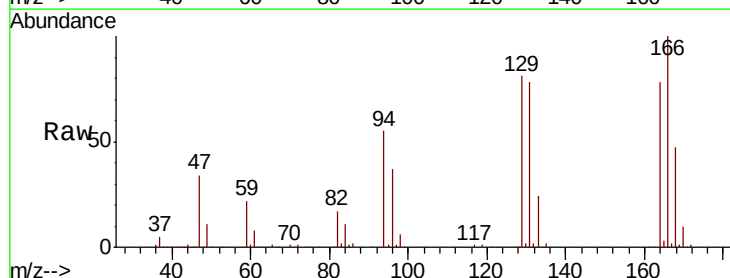
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 41.769 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

Tgt Ion:	164	Resp:	159317
Ion	Ratio	Lower	Upper
164	100		
129	103.6	70.6	131.0
131	99.7	68.0	126.4
166	127.9	86.9	161.5



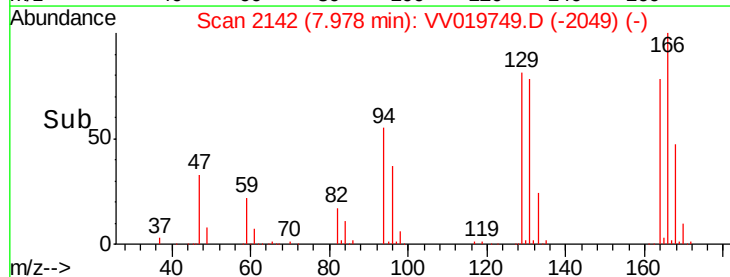
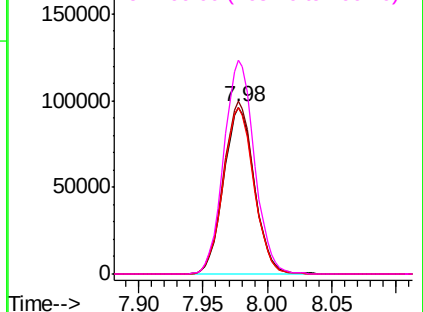
Abundance

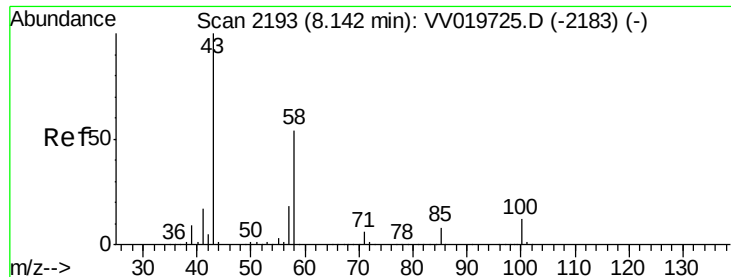
Ion 164.00 (163.70 to 164.70): V

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

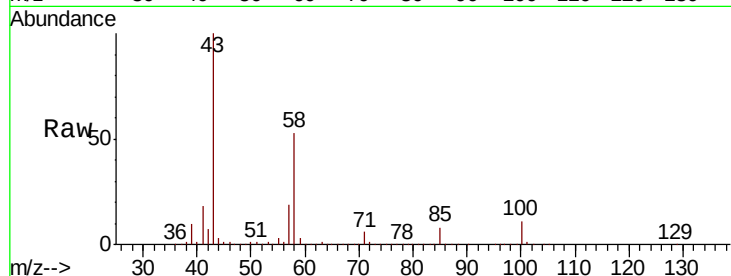




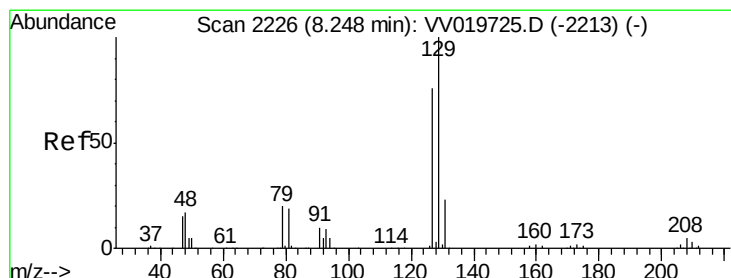
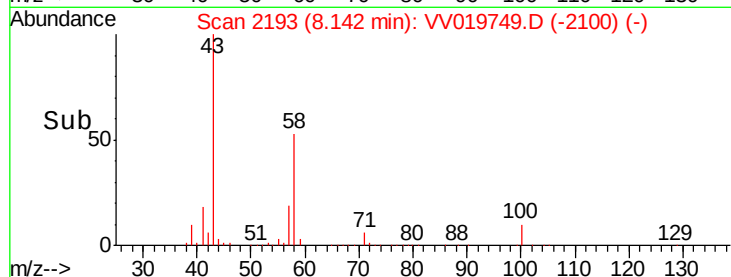
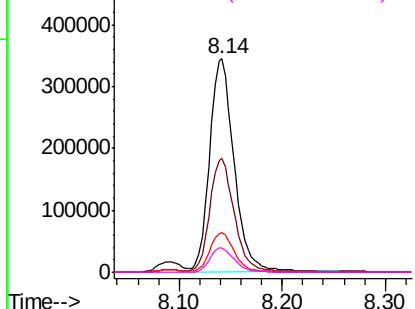
#48
2-Hexanone
Concen: 94.856 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tot Ion: 43 Resp: 565855
Ion Ratio Lower Upper
43 100
58 53.7 44.4 66.6
57 18.2 15.7 23.5
100 11.4 9.9 14.9

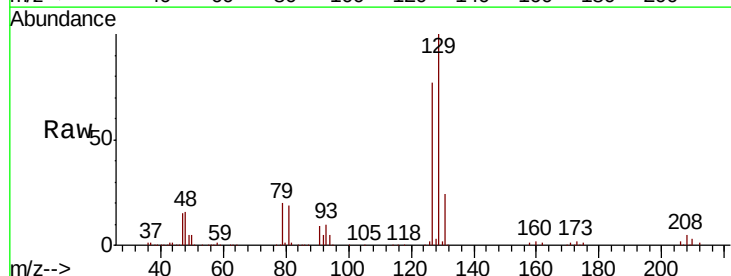


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

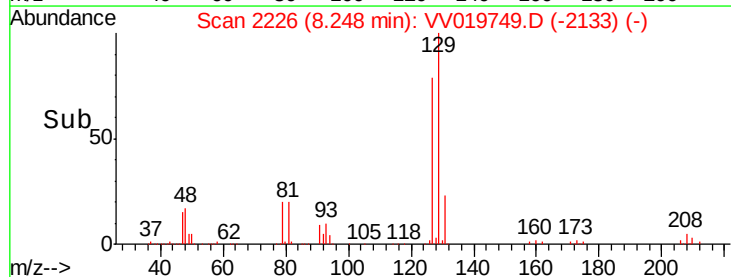
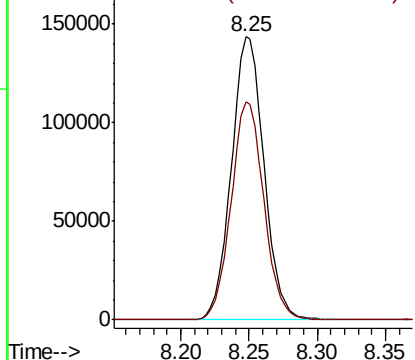


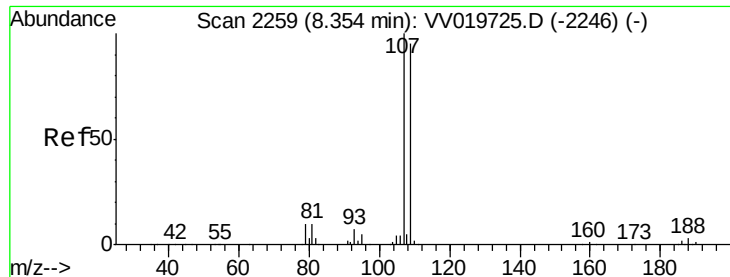
#49
Dibromochloromethane
Concen: 42.144 ug/L
RT: 8.25 min Scan# 2226
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

Tgt Ion: 129 Resp: 238834
Ion Ratio Lower Upper
129 100
127 77.3 54.2 100.6



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

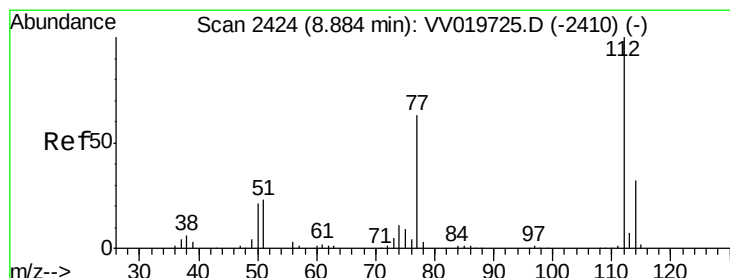
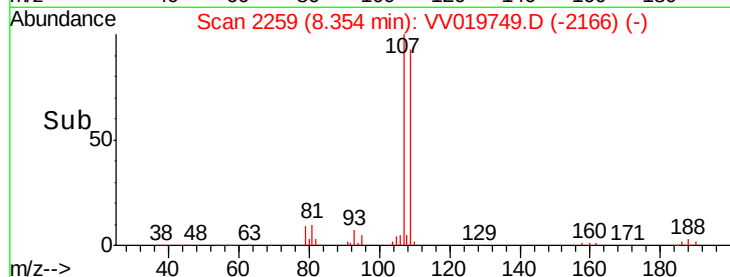
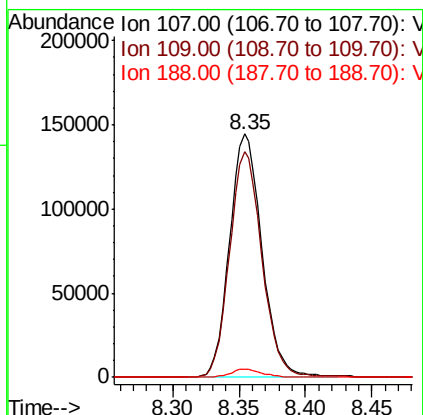
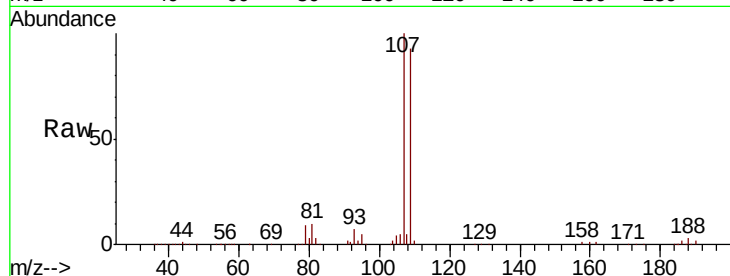




#50
 1,2-Dibromoethane
 Concen: 45.015 ug/L
 RT: 8.35 min Scan# 2259
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

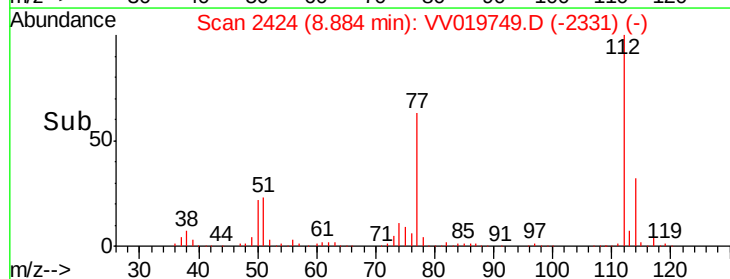
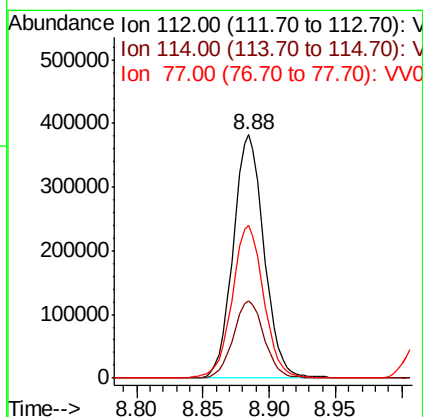
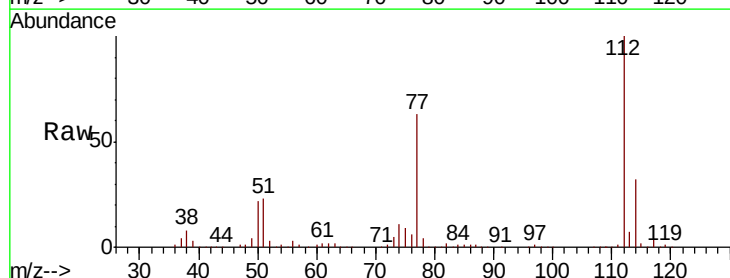
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

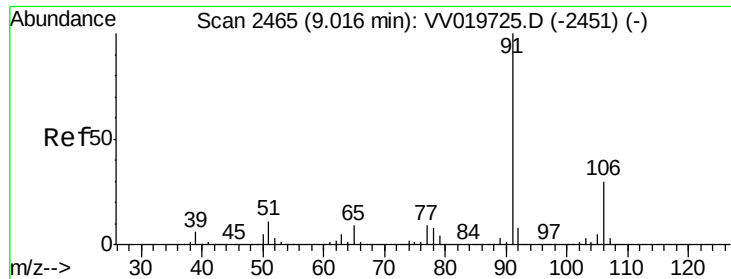
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	66.4	123.2
188	3.4	2.9	4.3



#51
 Chlorobenzene
 Concen: 43.932 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.2	41.2
77	62.8	50.6	75.8





#52

Ethylbenzene

Concen: 43.663 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

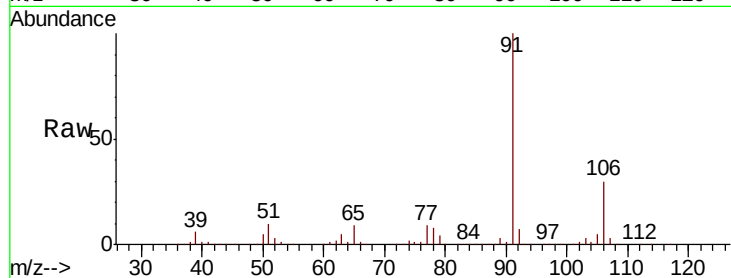
VSTD05098

Tot Ion: 91 Resp: 1094086

Ion Ratio Lower Upper

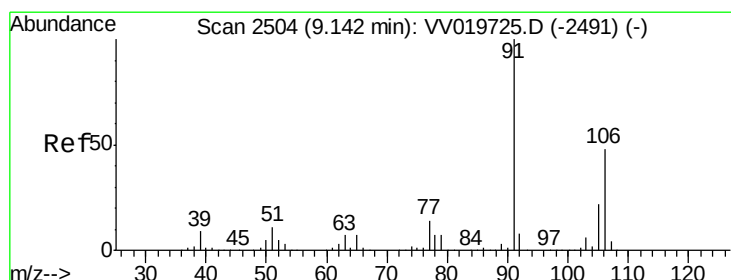
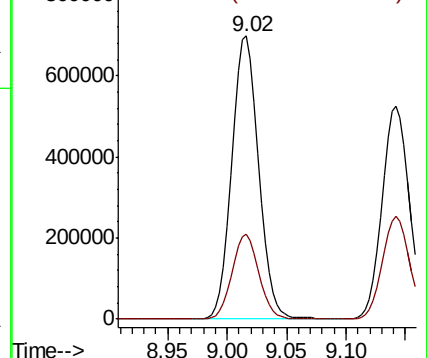
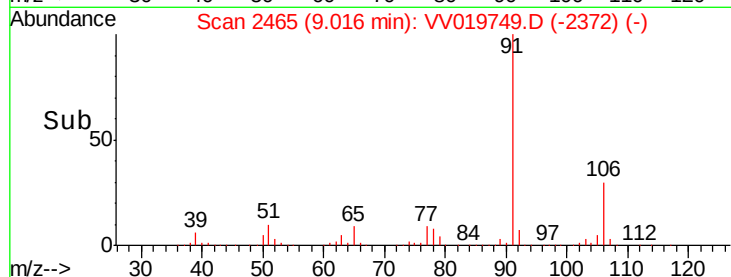
91 100

106 29.8 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV019749.D (-2372) (-)

Ion 106.00 (105.70 to 106.70): VV019749.D (-2372) (-)



#53

m,p-Xylene

Concen: 43.154 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019749.D

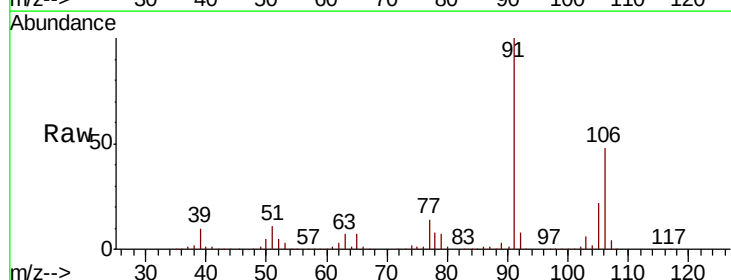
Acq: 19 Dec 2020 20:00

Tgt Ion: 106 Resp: 403980

Ion Ratio Lower Upper

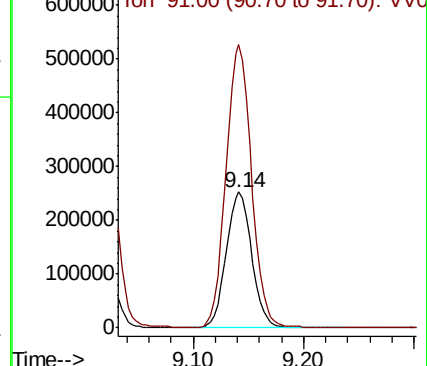
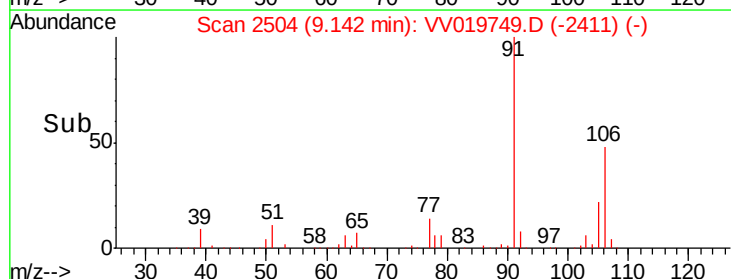
106 100

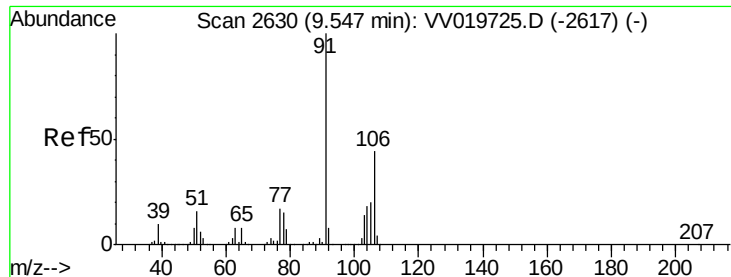
91 208.1 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): VV019749.D (-2411) (-)

Ion 91.00 (90.70 to 91.70): VV019749.D (-2411) (-)

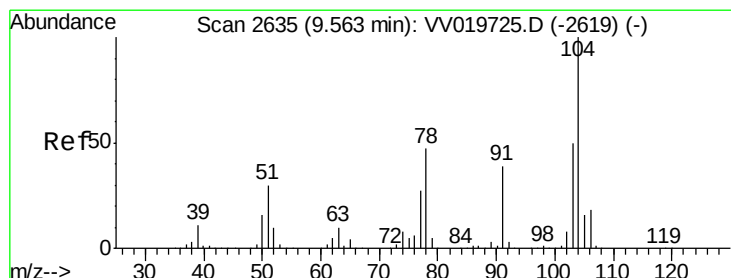
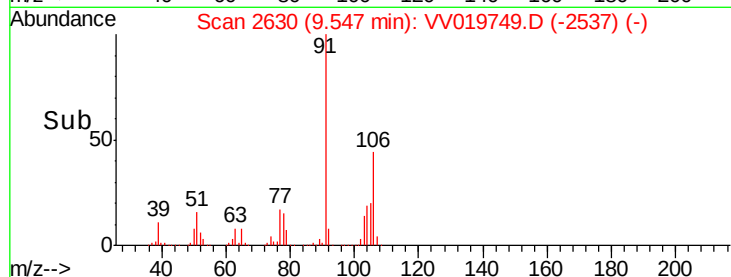
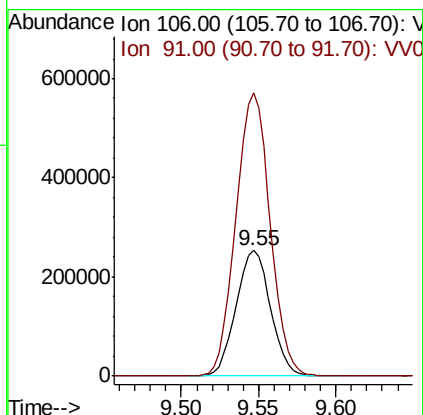
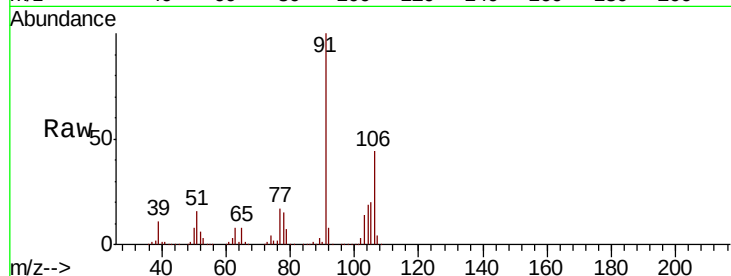




#54
o-xylene
Concen: 42.785 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

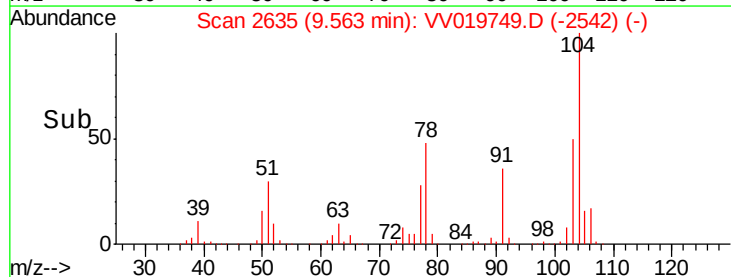
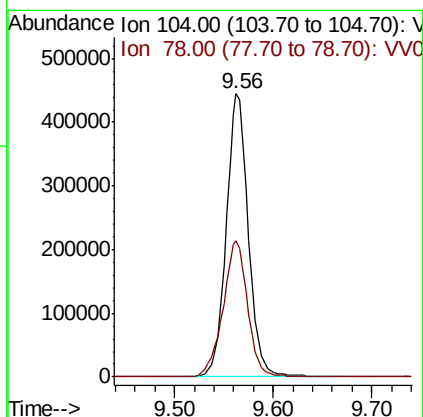
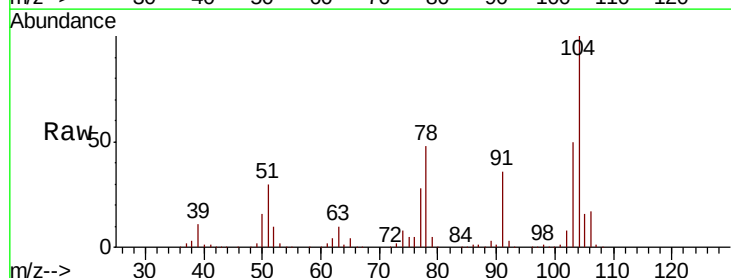
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

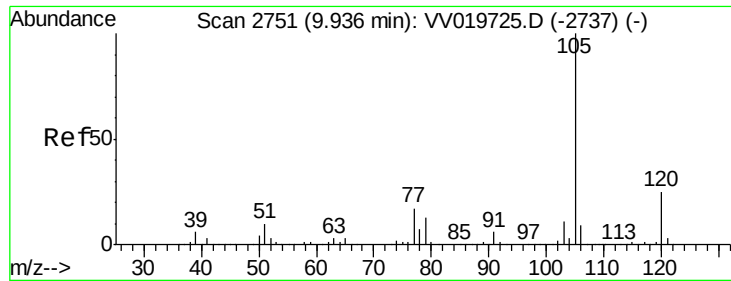
Tot Ion:106 Resp: 392584
Ion Ratio Lower Upper
106 100
91 225.6 156.7 291.1



#55
Styrene
Concen: 43.560 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019749.D
Acq: 19 Dec 2020 20:00

Tgt Ion:104 Resp: 696612
Ion Ratio Lower Upper
104 100
78 48.3 33.7 62.7





#56

Isopropylbenzene

Concen: 43.252 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

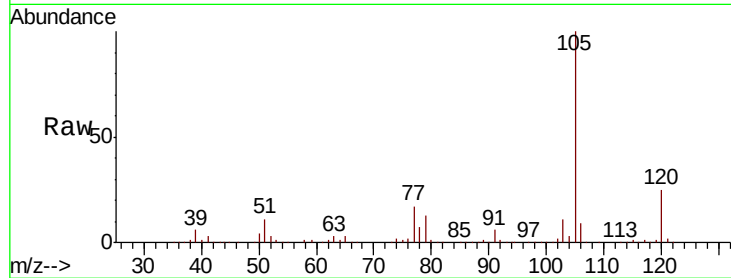
Tot Ion:105 Resp: 1057291

Ion Ratio Lower Upper

105 100

120 25.2 20.6 31.0

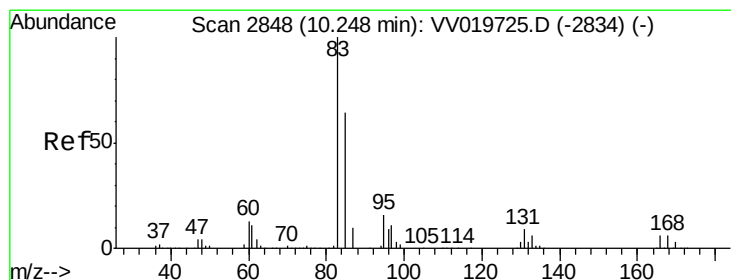
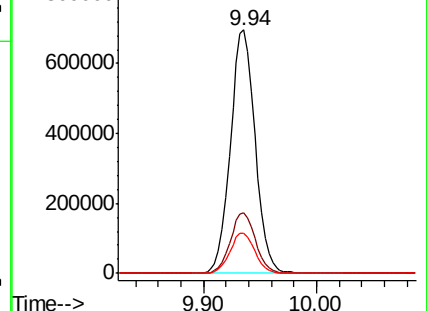
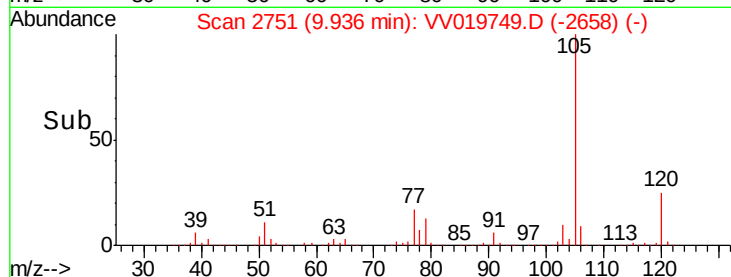
77 16.9 13.2 19.8



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 45.686 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

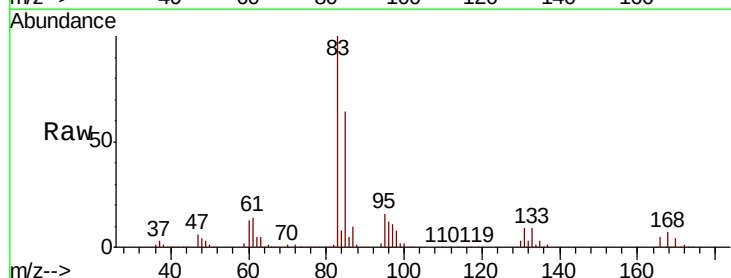
Tgt Ion: 83 Resp: 380196

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

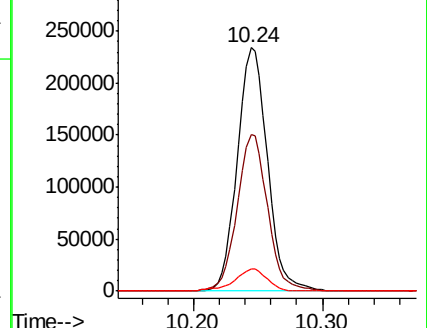
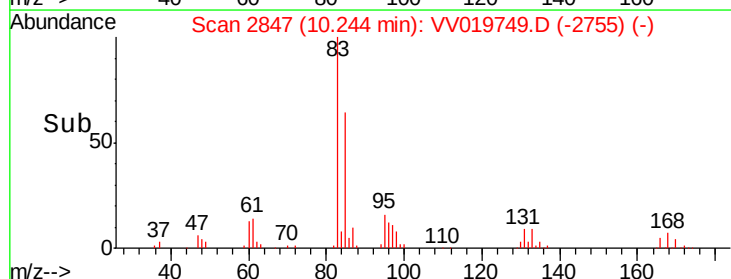
131 8.9 7.6 11.4

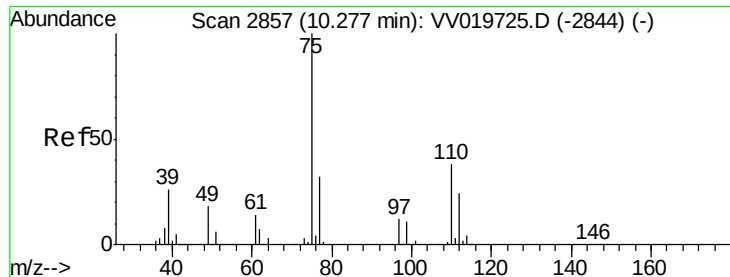


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.684 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

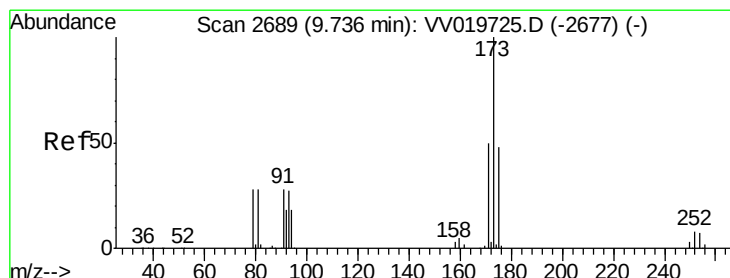
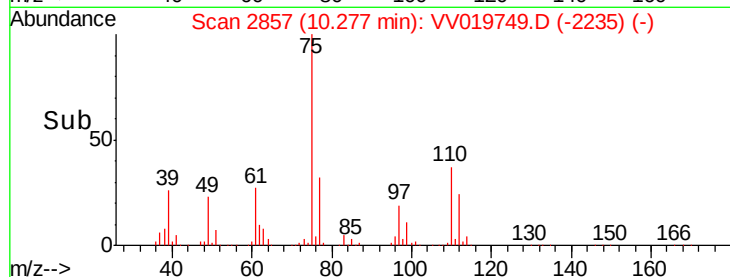
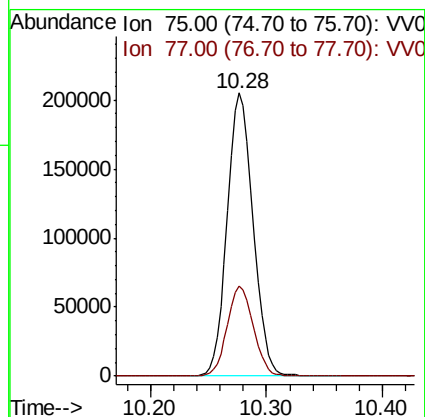
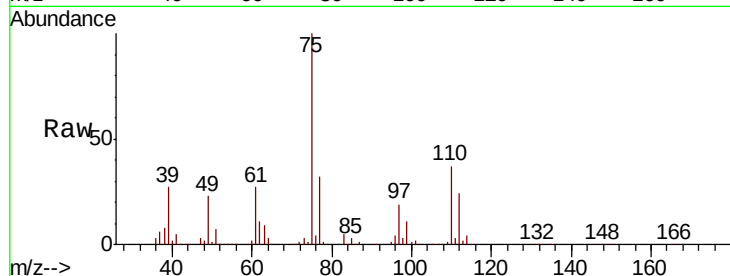
VSTD05098

Tot Ion: 75 Resp: 316428

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



#61

Bromoform

Concen: 39.631 ug/L

RT: 9.73 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

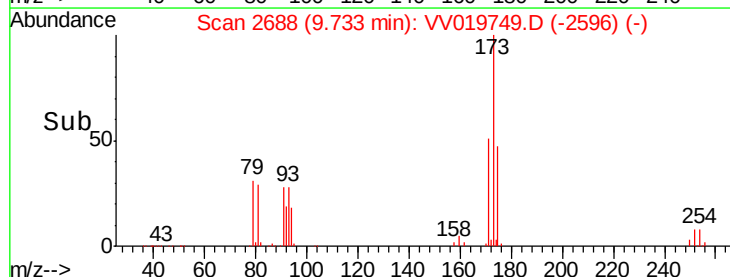
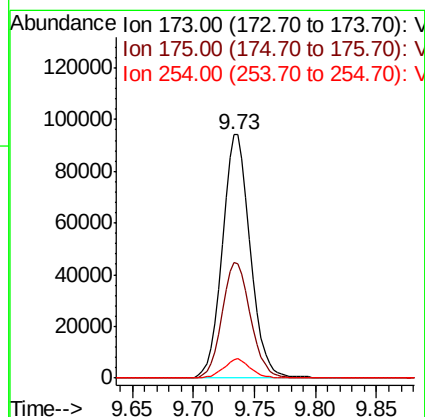
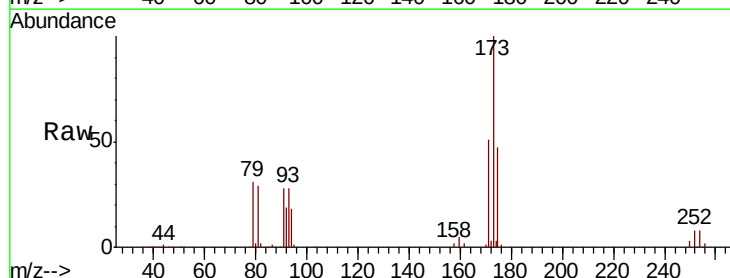
Tgt Ion: 173 Resp: 151813

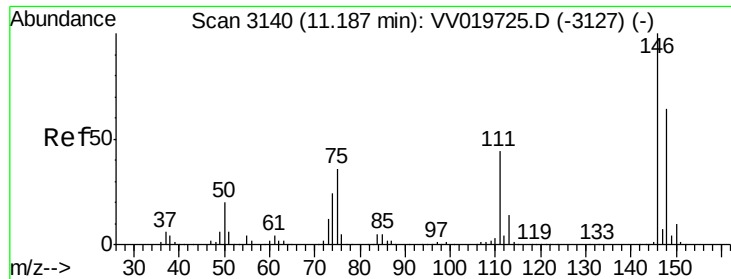
Ion Ratio Lower Upper

173 100

175 48.3 38.4 57.6

254 7.6 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 43.996 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

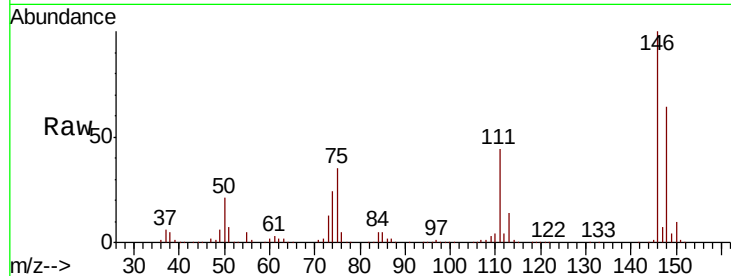
Tot Ion:146 Resp: 467313

Ion Ratio Lower Upper

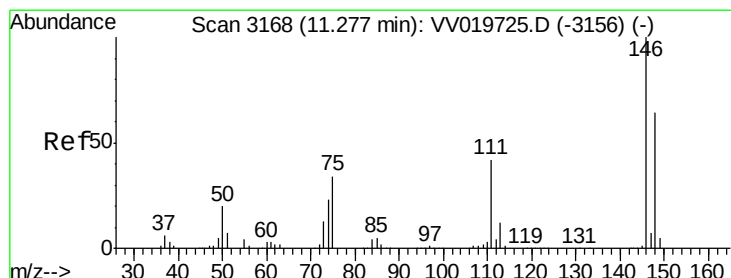
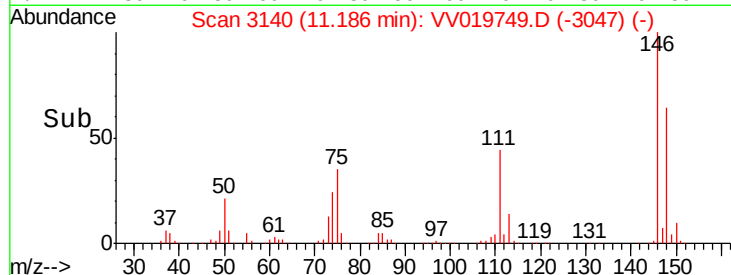
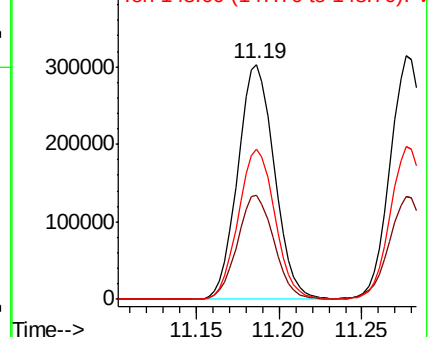
146 100

111 44.3 30.7 57.1

148 63.8 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: 44.299 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

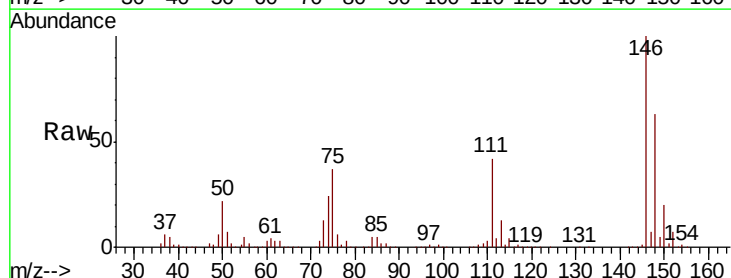
Tgt Ion:146 Resp: 476475

Ion Ratio Lower Upper

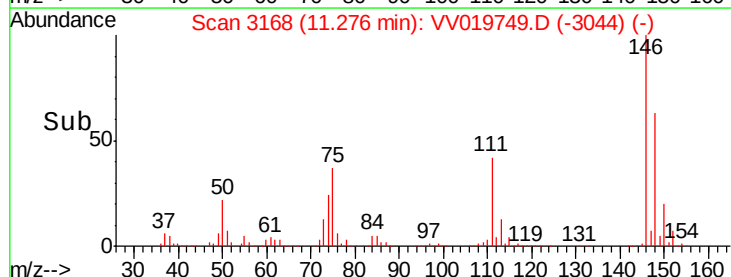
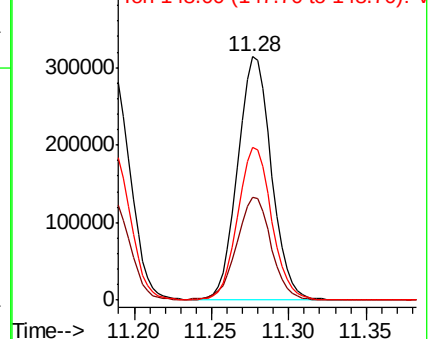
146 100

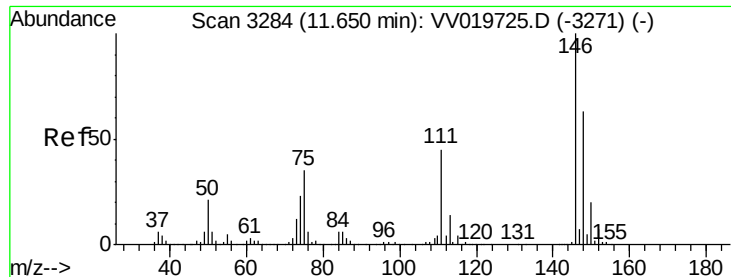
111 42.4 29.8 55.4

148 62.5 44.2 82.0



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

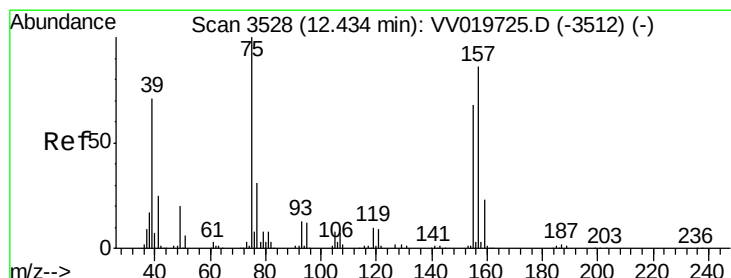
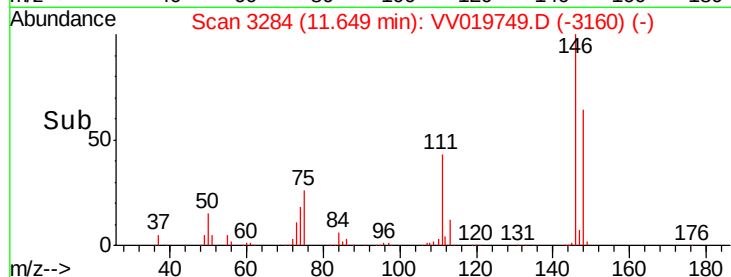
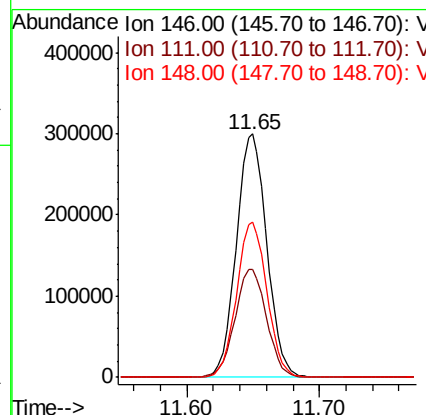
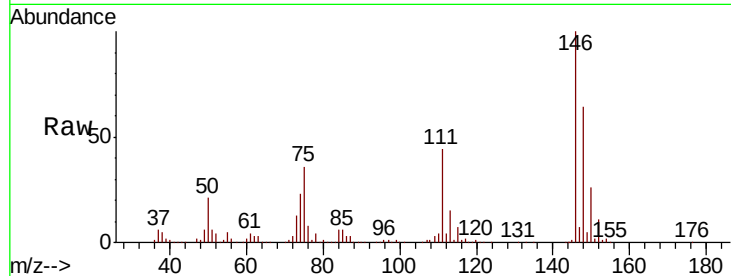




#65
 1,2-Dichlorobenzene
 Concen: 45.433 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

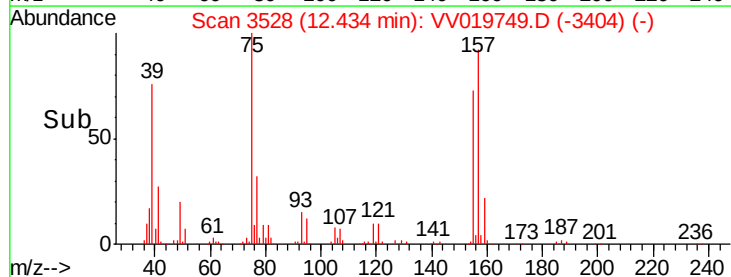
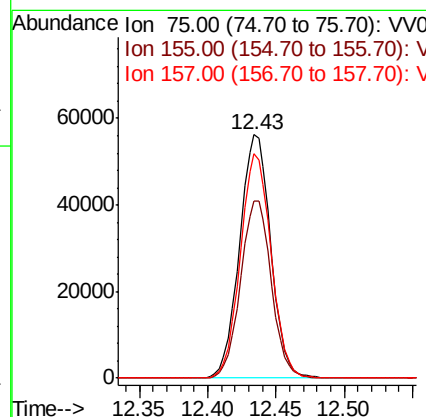
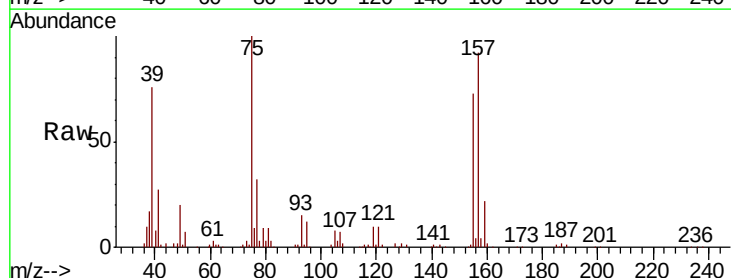
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

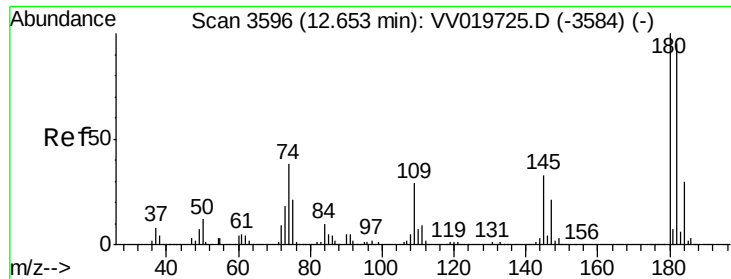
Tot Ion:146 Resp: 476854
 Ion Ratio Lower Upper
 146 100
 111 44.4 36.6 55.0
 148 63.8 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 40.620 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

Tgt Ion: 75 Resp: 88994
 Ion Ratio Lower Upper
 75 100
 155 72.8 61.1 91.7
 157 92.0 78.7 118.1

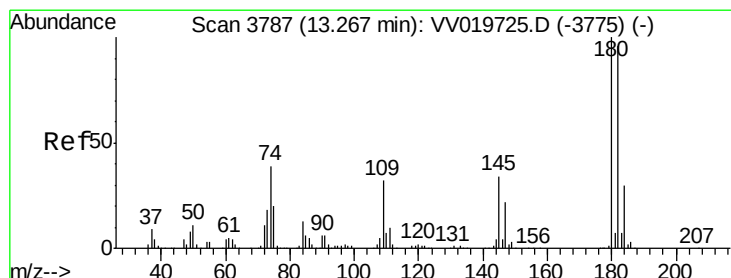
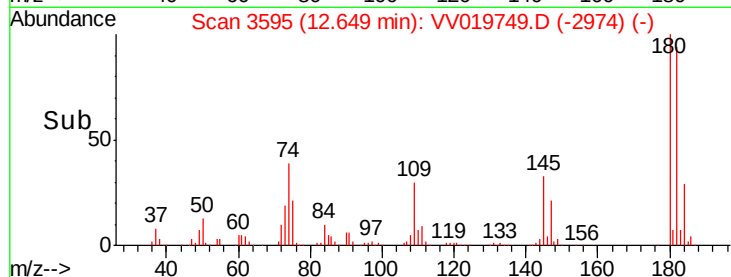
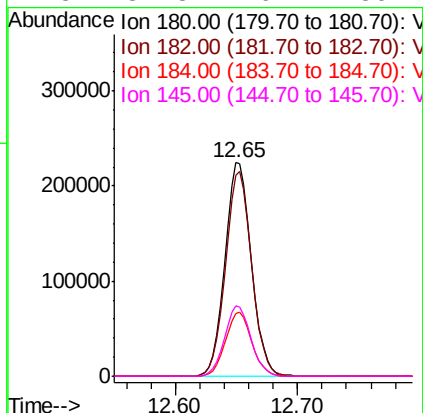
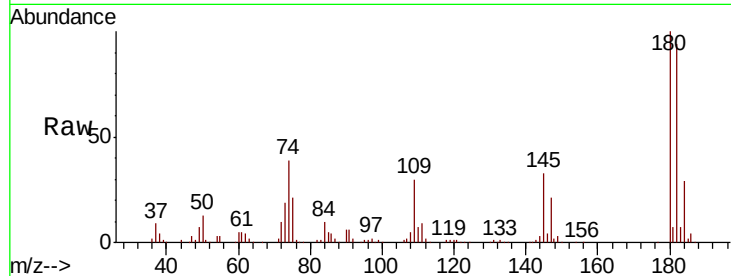




#67
 1,3,5-Trichlorobenzene
 Concen: 45.442 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

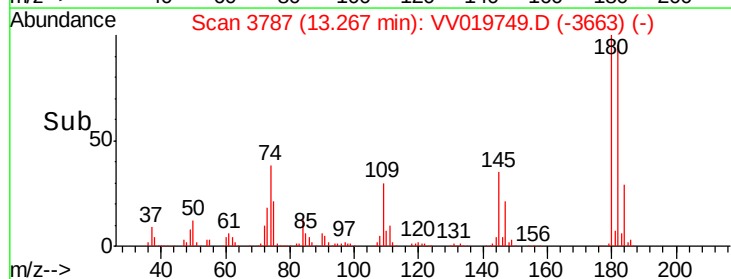
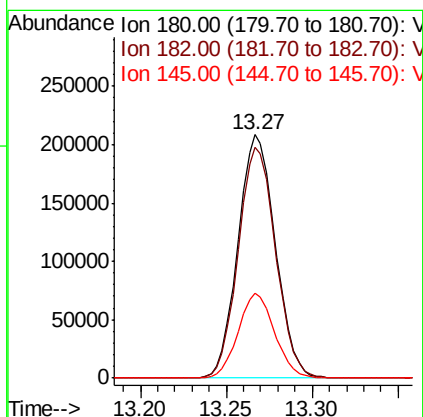
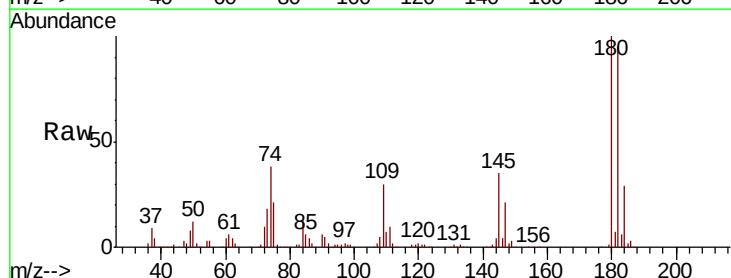
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

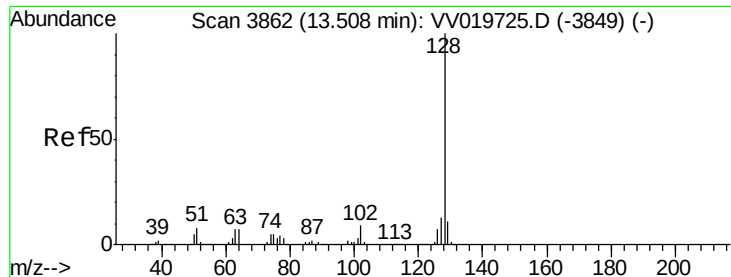
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
184	29.9	23.9	35.9
145	32.8	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 44.706 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. -0.00 min
 Lab File: VV019749.D
 Acq: 19 Dec 2020 20:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
145	34.1	27.0	40.6





#69

Naphthalene

Concen: 42.571 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Instrument :

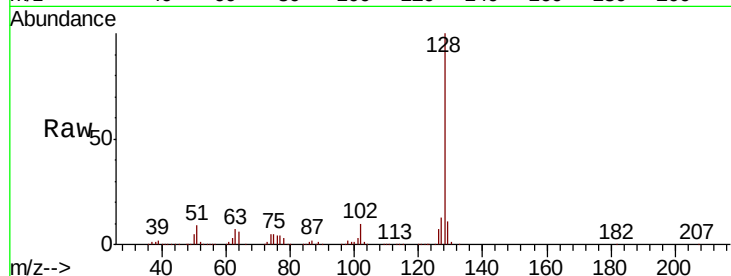
MSVOA_V

ClientSampleId :

VSTD05098

Tot Ion:128 Resp: 1037217

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.6	12.8

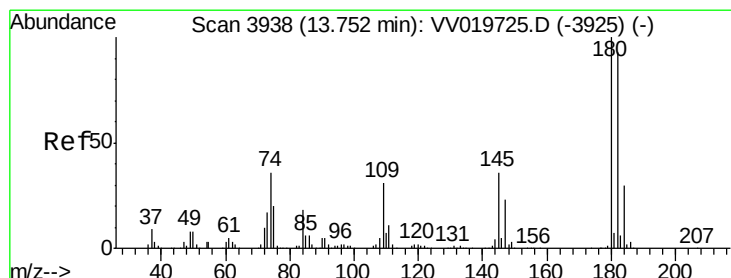
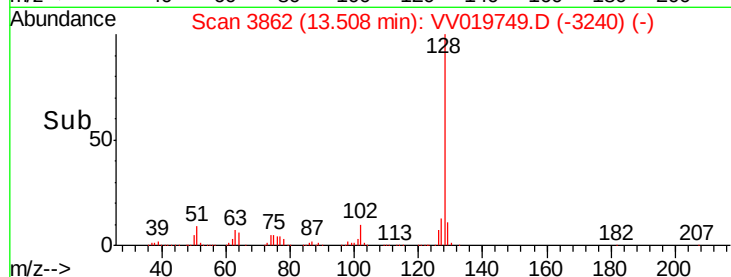
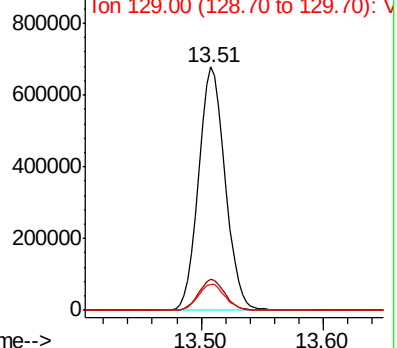


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 44.510 ug/L

RT: 13.75 min Scan# 3937

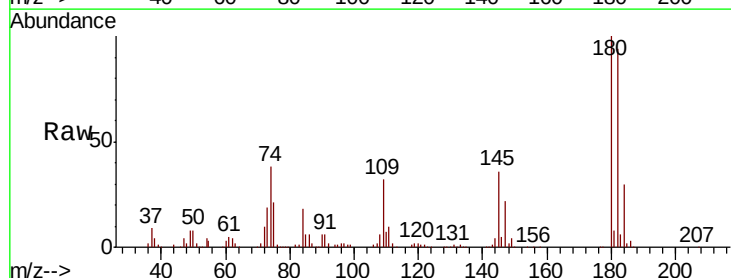
Delta R.T. -0.00 min

Lab File: VV019749.D

Acq: 19 Dec 2020 20:00

Tgt Ion:180 Resp: 305210

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.6
145	36.0	29.1	43.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

