

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017299.D
 Acq On : 02 Jul 2020 09:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Quant Time: Jul 03 01:08:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 02 03:02:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	173221	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	167704	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	86902	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39554	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	35870	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	87676	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.60%
20) 2-Butanone-d5	3.96	46	126029	47.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.12%
24) Chloroform-d	4.38	84	118599	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.06	65	62995	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.07	84	201809	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.09	67	60636	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.33	98	186522	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
45) trans-1,3-Dichloropropene-	7.64	79	24079	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
48) 2-Hexanone-d5	8.11	63	96195	46.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.08%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	46359	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	74826	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	62916	4.550 ug/L	100
3) Chloromethane	1.25	50	51408	4.387 ug/L	98
5) Vinyl chloride	1.32	62	51770	4.555 ug/L	96
6) Bromomethane	1.53	94	29785	4.496 ug/L	100
8) Chloroethane	1.60	64	31768	5.057 ug/L	100
9) Trichlorofluoromethane	1.77	101	97825	5.314 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44504	4.851 ug/L	99
12) 1,1-Dichloroethene	2.13	96	40129	4.827 ug/L	89
13) Acetone	2.24	43	27851	20.794 ug/L	86
14) Carbon disulfide	2.31	76	113921	4.573 ug/L	99
15) Methyl Acetate	2.46	43	10940	3.341 ug/L #	90
16) Methylene chloride	2.52	84	44046	4.947 ug/L	95
17) Methyl tert-butyl Ether	2.79	73	107448	5.147 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	43444	4.931 ug/L	99
19) 1,1-Dichloroethane	3.21	63	95768	4.838 ug/L	98
21) 2-Butanone	4.04	43	108092	42.811 ug/L #	68
22) cis-1,2-Dichloroethene	3.94	96	54528	4.526 ug/L	99

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 Data File : VV017299.D
 Acq On : 02 Jul 2020 09:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Quant Time: Jul 03 01:08:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 02 03:02:49 2020
 Response via : Initial Calibration

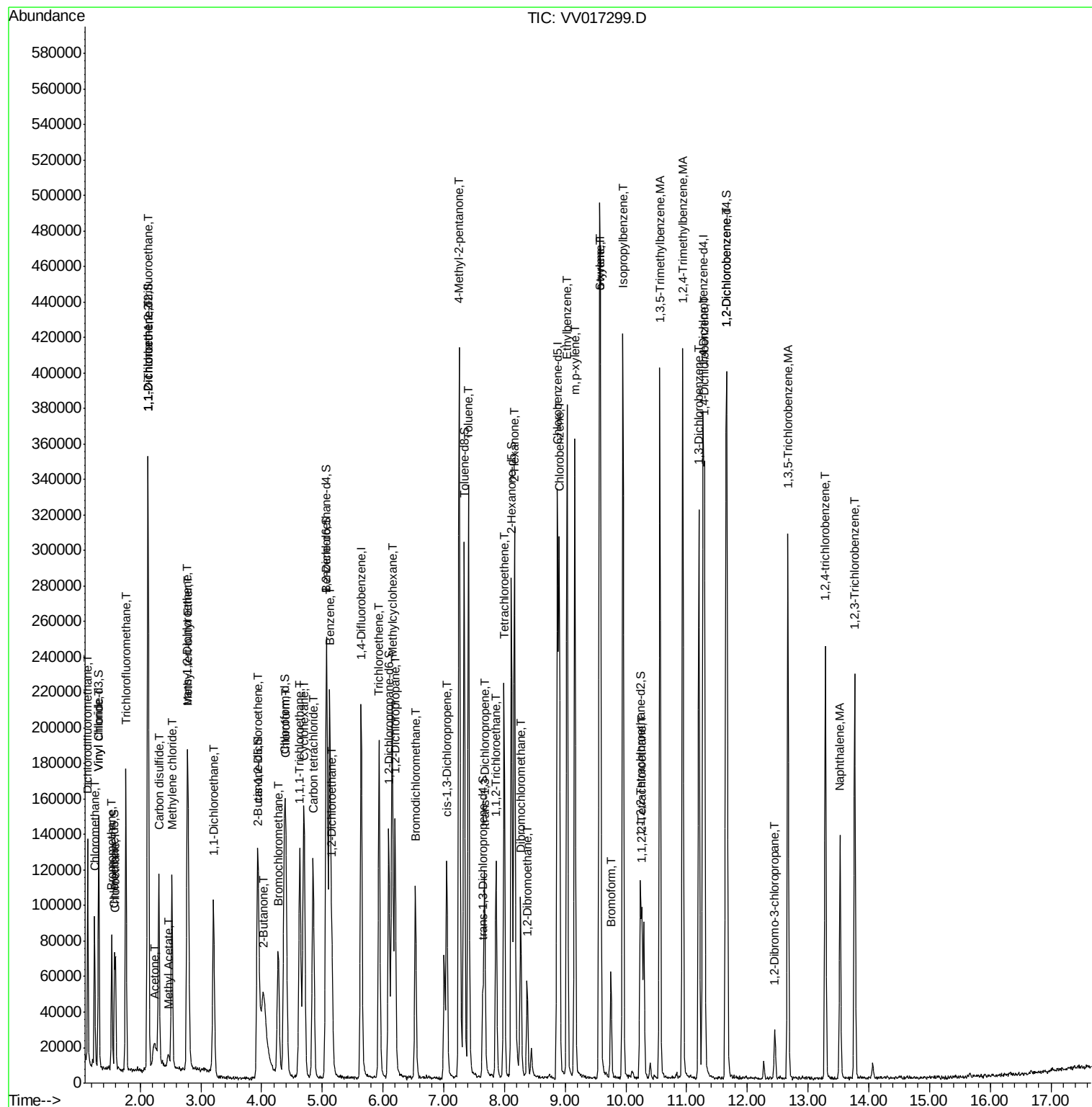
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	25372	4.956	ug/L	90
25) Chloroform	4.40	83	105884	4.897	ug/L	97
27) 1,2-Dichloroethane	5.16	62	68563	5.104	ug/L	96
29) 1,1,1-Trichloroethane	4.63	97	101499	5.052	ug/L	99
30) Cyclohexane	4.70	56	76978	4.026	ug/L	96
31) Carbon tetrachloride	4.85	117	92230	5.087	ug/L	98
33) Benzene	5.12	78	208348	4.744	ug/L	100
34) Trichloroethene	5.94	95	63215	4.916	ug/L	97
35) Methylcyclohexane	6.15	83	79868	3.995	ug/L	99
37) 1,2-Dichloropropane	6.20	63	50922	4.684	ug/L	98
38) Bromodichloromethane	6.53	83	71633	4.851	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	70830	4.385	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	282190	44.955	ug/L	100
42) Toluene	7.41	91	232702	4.557	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	201599	4.415	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	213711	4.596	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	61677	4.414	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	36072	4.678	ug/L	98
49) Tetrachloroethene	7.99	164	47789	4.617	ug/L	98
50) 2-Hexanone	8.16	43	201754	45.164	ug/L	100
51) Dibromochloromethane	8.27	129	47788	5.113	ug/L	98
52) 1,2-Dibromoethane	8.38	107	35284	4.825	ug/L #	90
53) Chlorobenzene	8.90	112	147389	4.630	ug/L	99
54) Ethylbenzene	9.03	91	247412	4.539	ug/L	99
55) m,p-xylene	9.16	106	93942	4.395	ug/L	96
56) o-xylene	9.56	106	91181	4.571	ug/L	100
57) Styrene	9.58	104	158053	4.782	ug/L	97
58) Isopropylbenzene	9.95	105	247275	4.504	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	40995	5.140	ug/L	97
62) Bromoform	9.75	173	25235	5.428	ug/L	94
63) 1,3-Dichlorobenzene	11.20	146	121992	4.663	ug/L	97
64) 1,4-Dichlorobenzene	11.29	146	120730	4.540	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	115110	4.848	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6537	4.977	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	91791	4.367	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	71009	4.104	ug/L	100
70) Naphthalene	13.53	128	104419	4.273	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	66330	4.700	ug/L	98

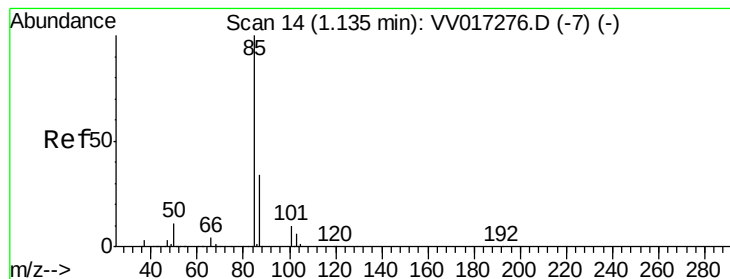
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VV017299.D
Acq On : 02 Jul 2020 09:46
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Jul 03 01:08:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 02 03:02:49 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.550 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

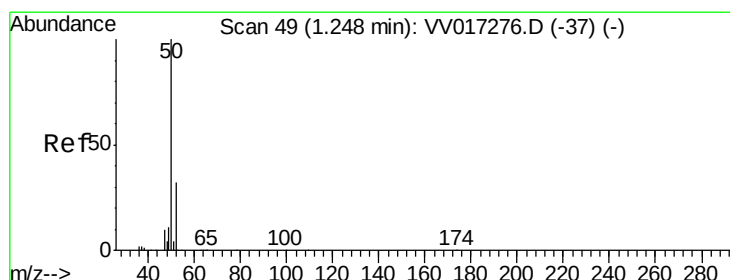
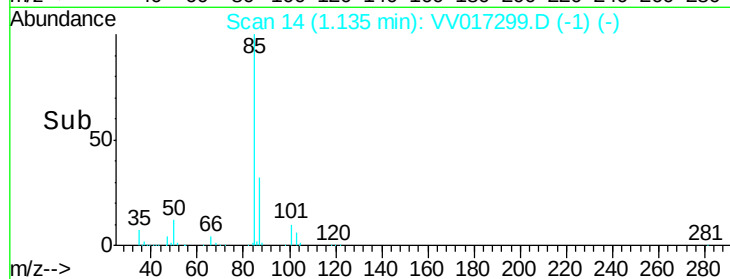
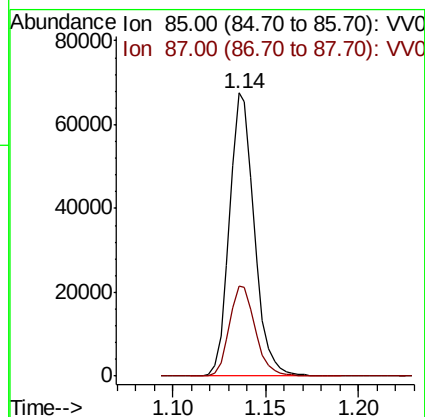
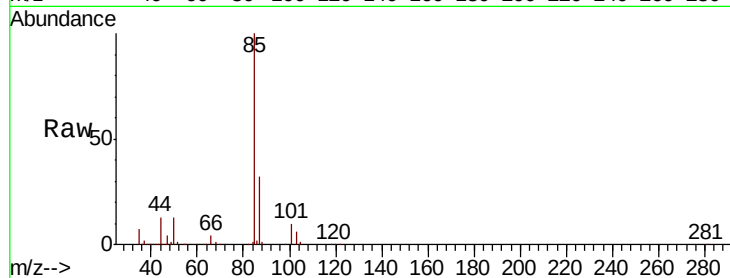
VSTD00544

Tot Ion: 85 Resp: 62916

Ion Ratio Lower Upper

85 100

87 33.2 26.3 39.5



#3

Chloromethane

Concen: 4.387 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017299.D

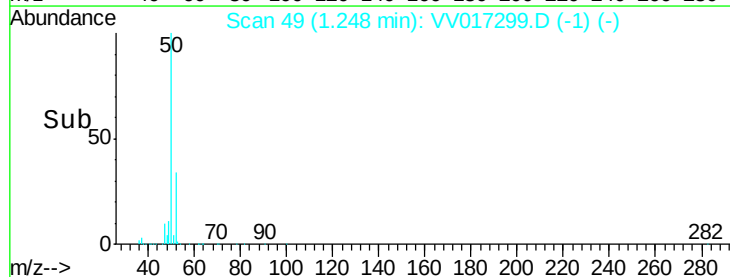
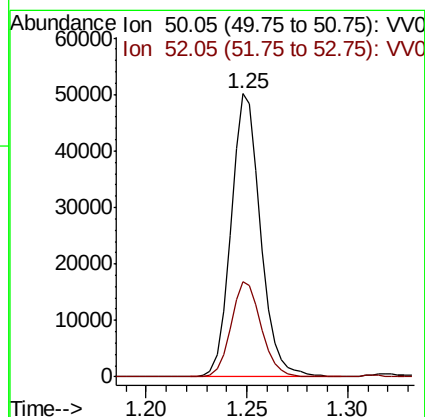
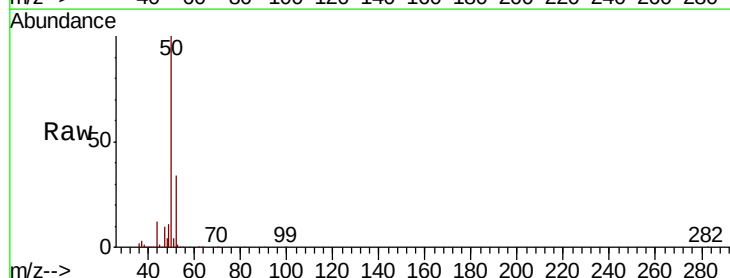
Acq: 02 Jul 2020 09:46

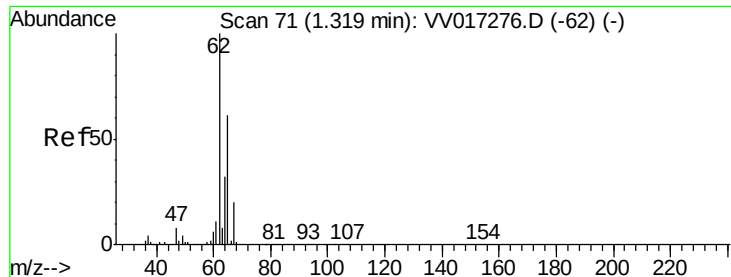
Tgt Ion: 50 Resp: 51408

Ion Ratio Lower Upper

50 100

52 33.5 22.5 41.9





#5

Vinyl chloride

Concen: 4.555 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

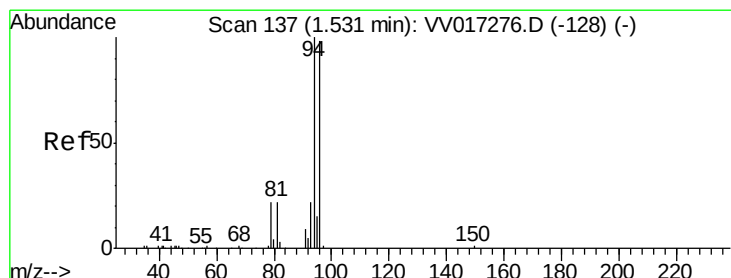
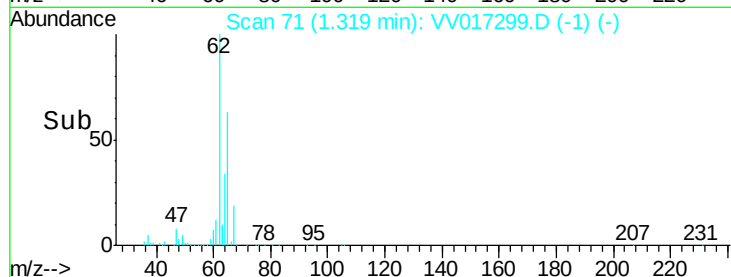
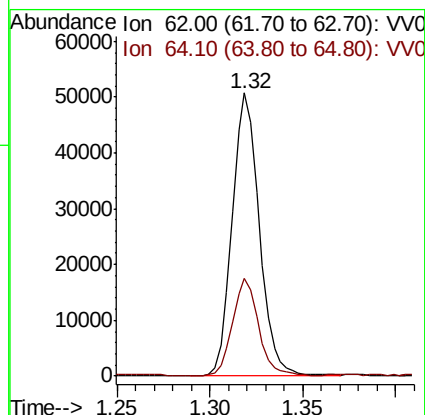
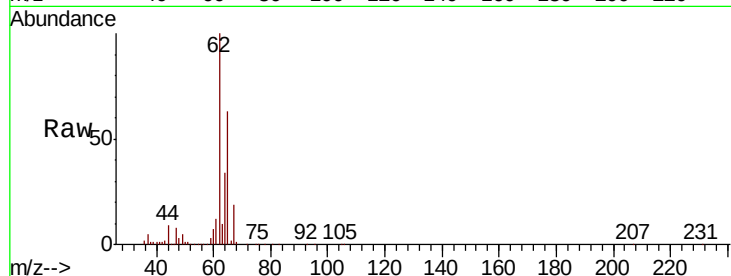
VSTD00544

Tot Ion: 62 Resp: 51770

Ion Ratio Lower Upper

62 100

64 34.3 22.5 41.7



#6

Bromomethane

Concen: 4.496 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017299.D

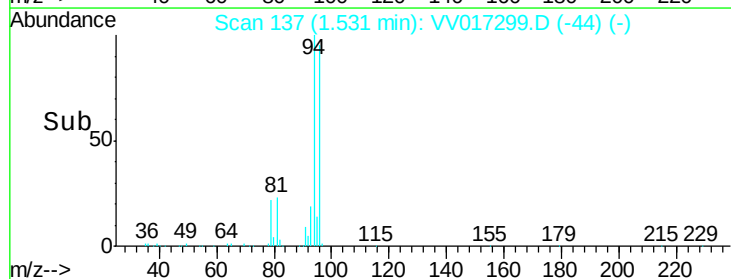
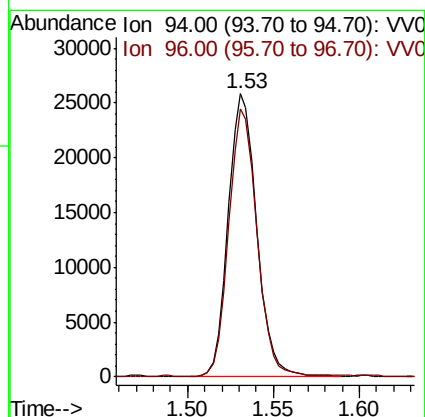
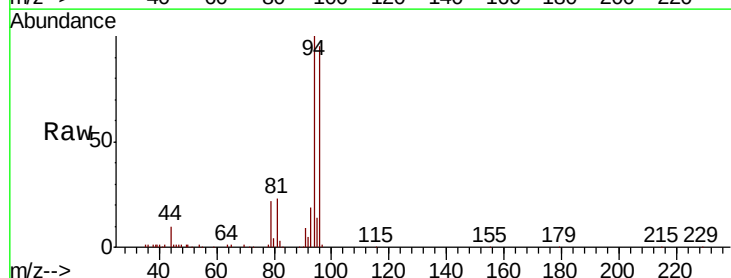
Acq: 02 Jul 2020 09:46

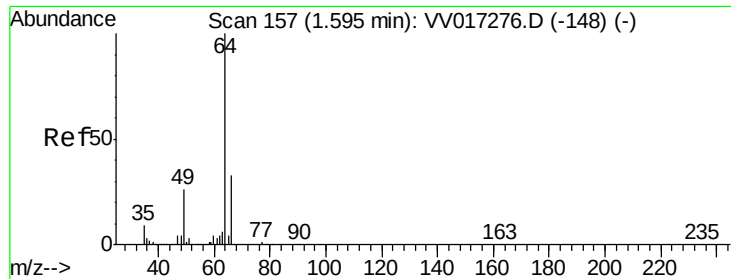
Tgt Ion: 94 Resp: 29785

Ion Ratio Lower Upper

94 100

96 94.8 66.2 123.0





#8

Chloroethane

Concen: 5.057 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

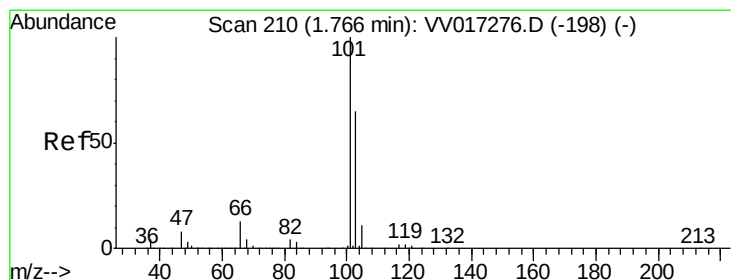
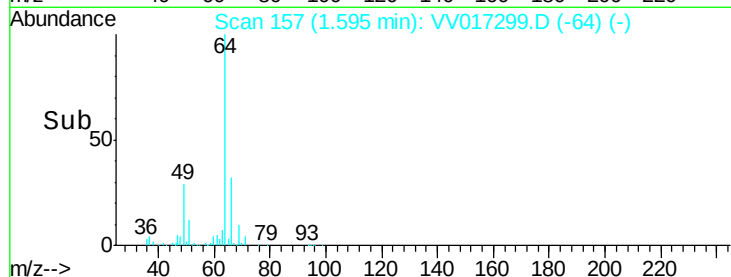
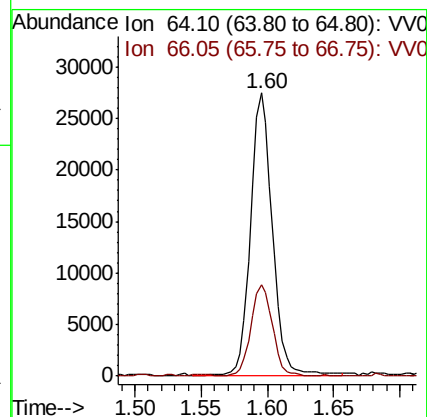
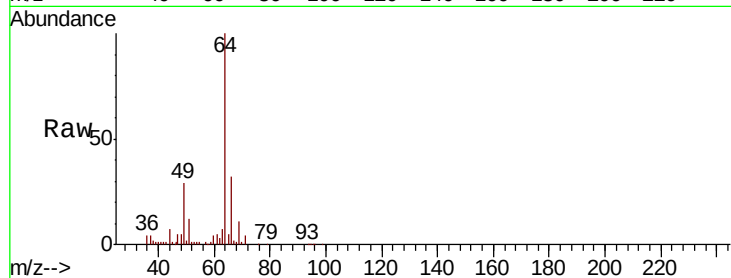
VSTD00544

Tot Ion: 64 Resp: 31768

Ion Ratio Lower Upper

64 100

66 32.3 22.8 42.4



#9

Trichlorofluoromethane

Concen: 5.314 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV017299.D

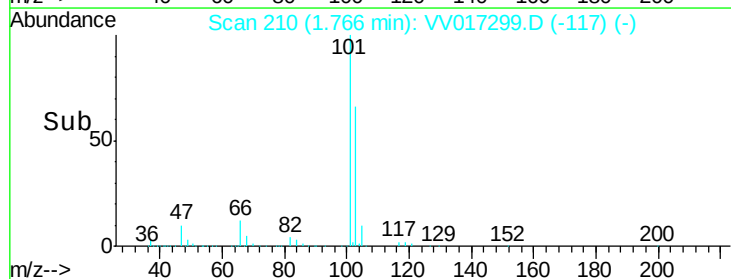
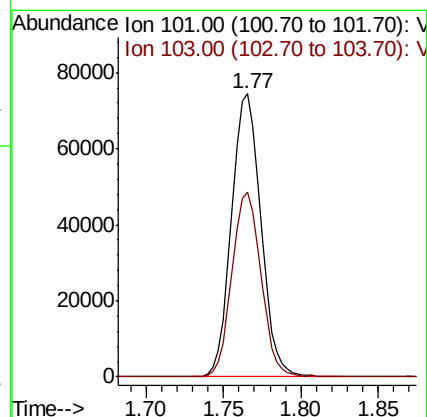
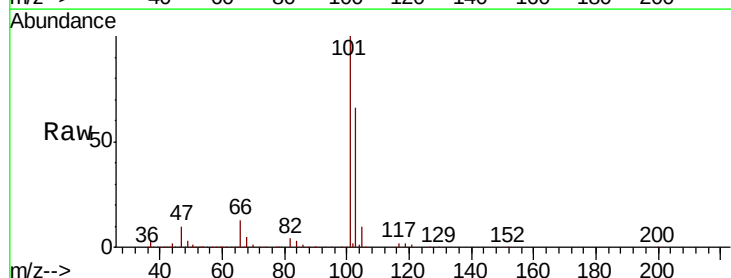
Acq: 02 Jul 2020 09:46

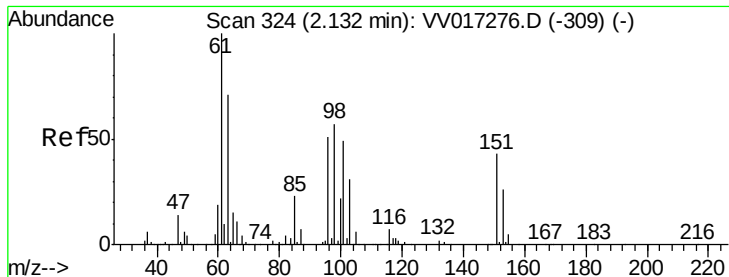
Tgt Ion: 101 Resp: 97825

Ion Ratio Lower Upper

101 100

103 64.5 50.9 76.3





#10

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

Concen: 4.851 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

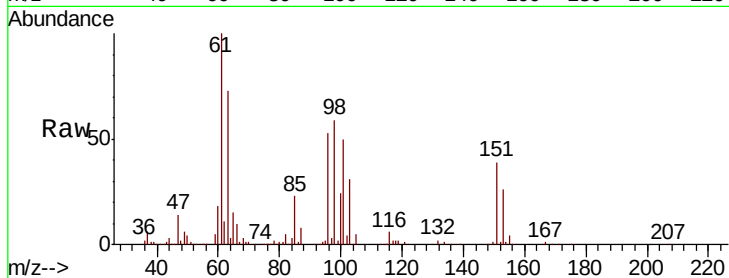
Tot Ion:101 Resp: 44504

Ion Ratio Lower Upper

101 100

85 44.6 35.4 53.2

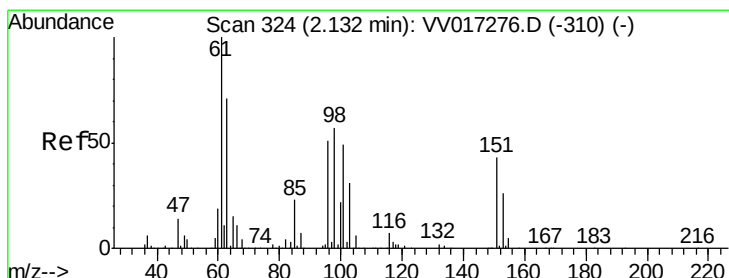
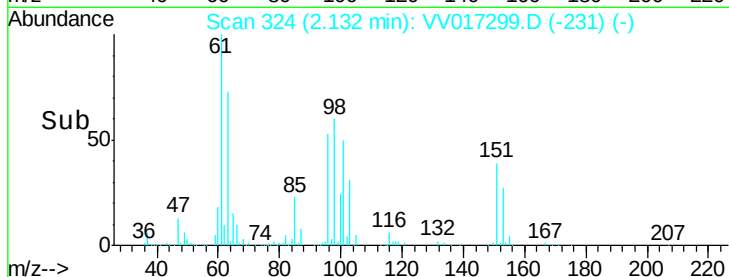
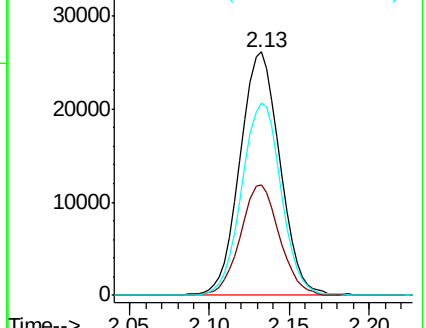
151 78.1 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV017276.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV017276.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV017276.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 4.827 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

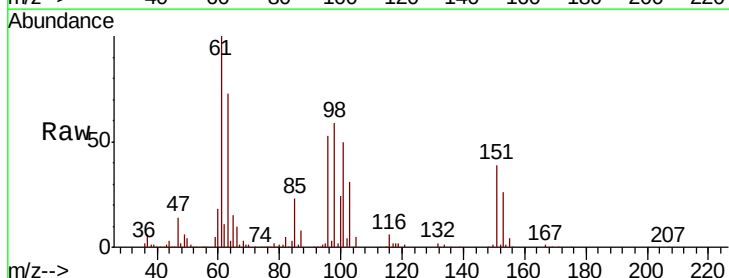
Tgt Ion: 96 Resp: 40129

Ion Ratio Lower Upper

96 100

61 190.0 125.0 232.2

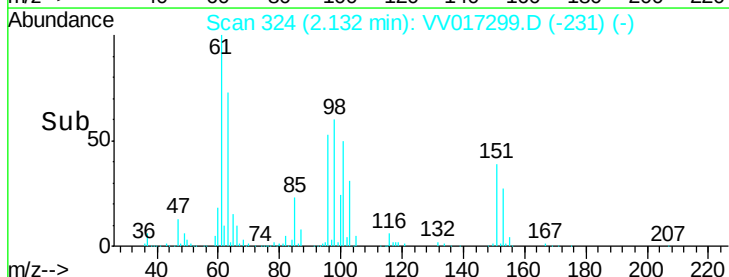
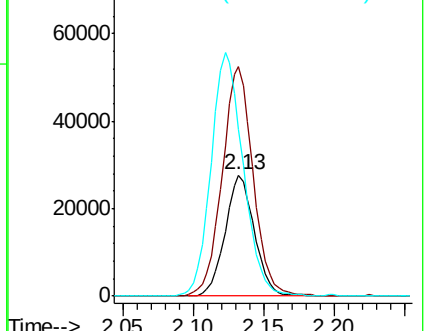
63 138.3 109.8 203.8

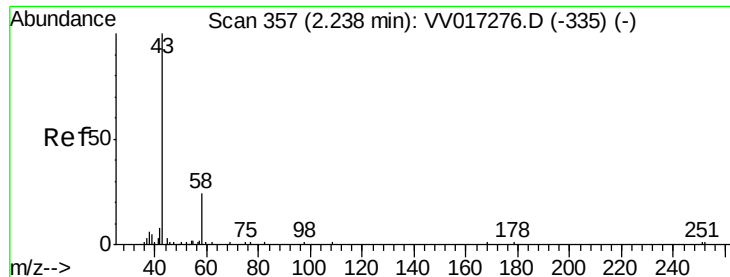


Abundance Ion 96.00 (95.70 to 96.70): VV017276.D (-310) (-)

Ion 61.05 (60.75 to 61.75): VV017276.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV017276.D (-310) (-)





#13

Acetone

Concen: 20.794 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

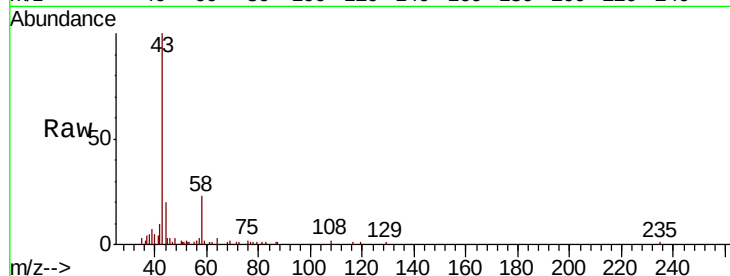
VSTD00544

Tot Ion: 43 Resp: 27851

Ion Ratio Lower Upper

43 100

58 21.5 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017276.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV017276.D (-335) (-)

2.24

10000

8000

6000

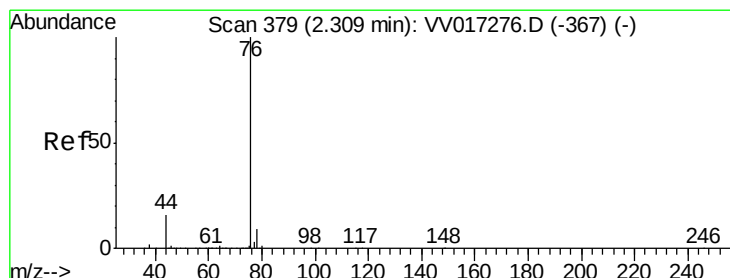
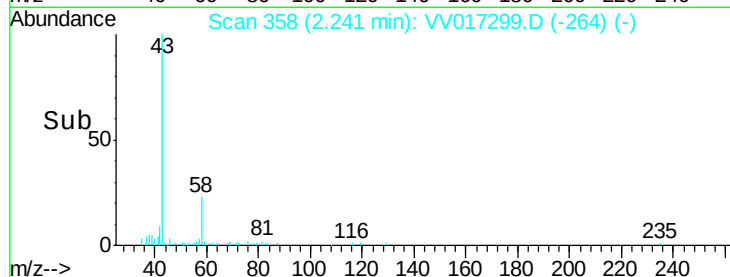
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 4.573 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017299.D

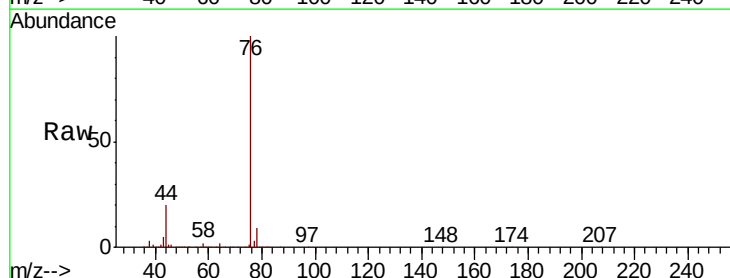
Acq: 02 Jul 2020 09:46

Tgt Ion: 76 Resp: 113921

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV017276.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017276.D (-367) (-)

2.31

80000

60000

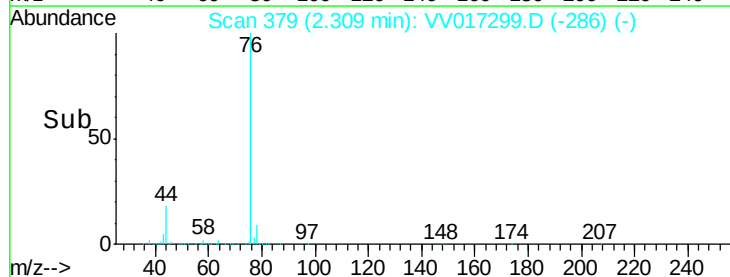
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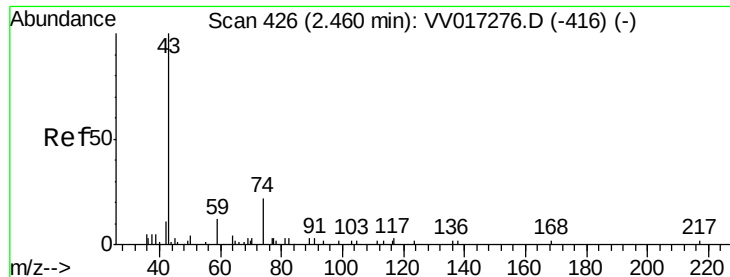
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Time-->

2.20 2.25 2.30 2.35 2.40

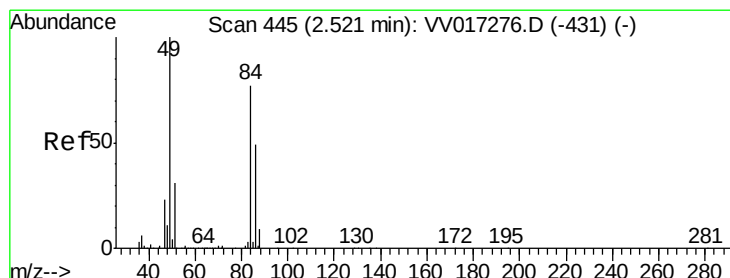
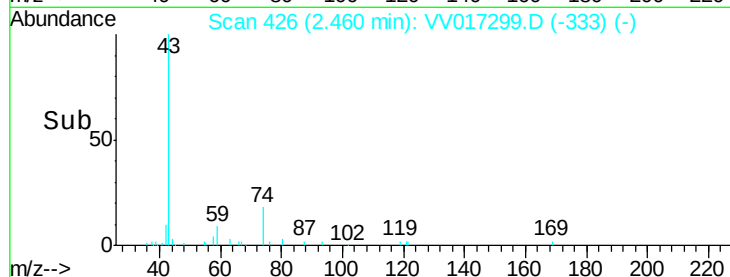
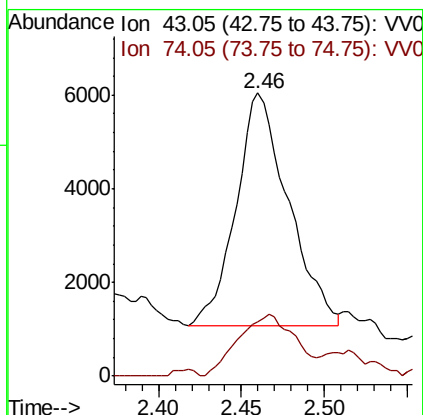
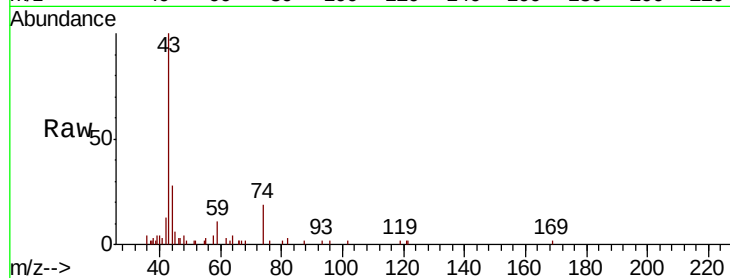




#15
Methvl Acetate
Concen: 3.341 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

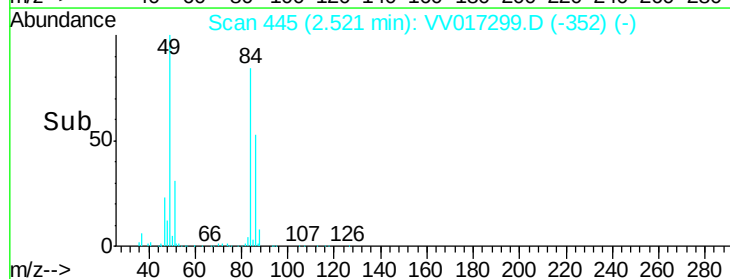
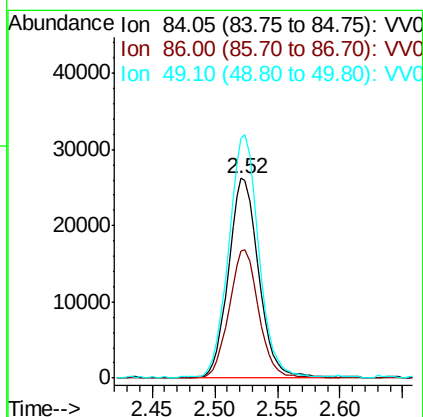
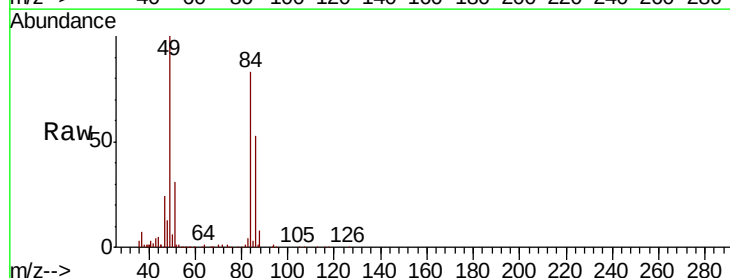
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

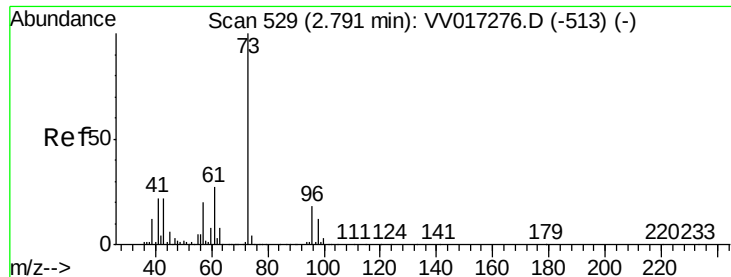
Tot Ion: 43 Resp: 10940
Ion Ratio Lower Upper
43 100
74 28.8 19.1 28.7#



#16
Methylene chloride
Concen: 4.947 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

Tgt Ion: 84 Resp: 44046
Ion Ratio Lower Upper
84 100
86 63.4 45.8 85.0
49 120.1 89.6 166.4

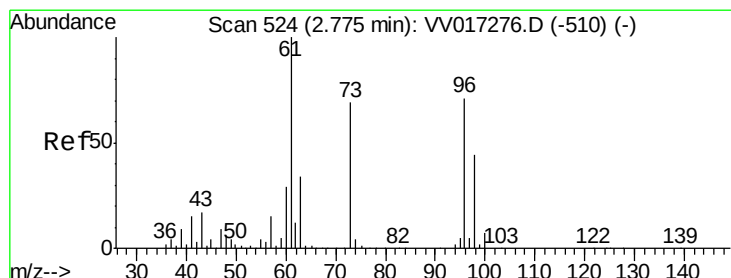
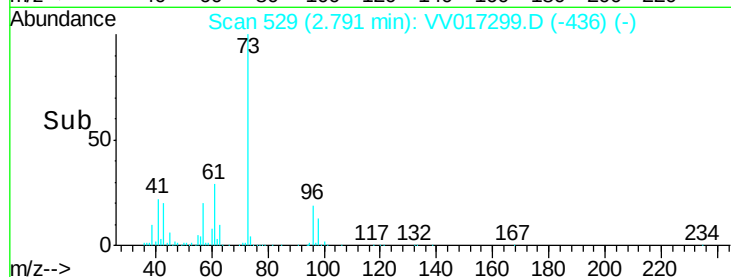
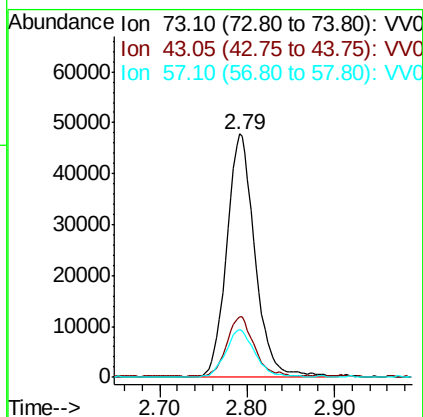
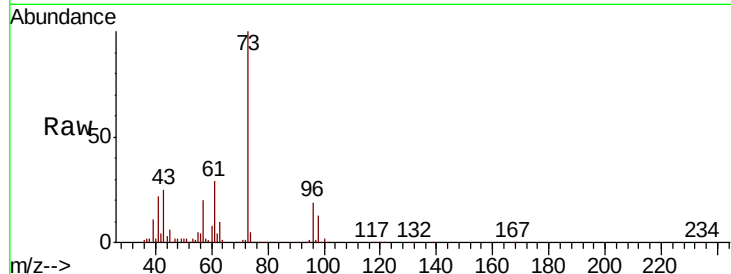




#17
Methyl tert-butyl Ether
Concen: 5.147 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

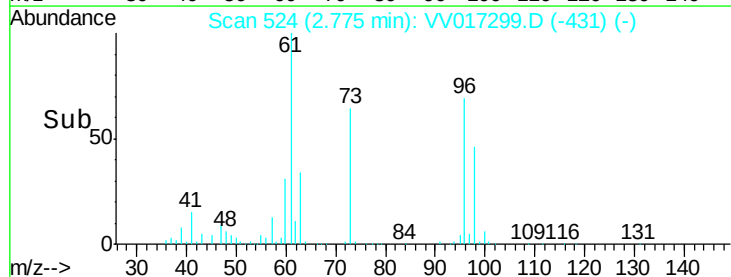
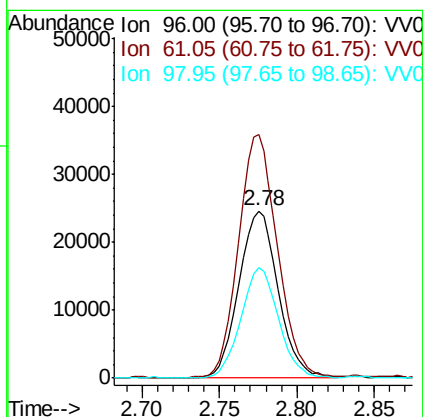
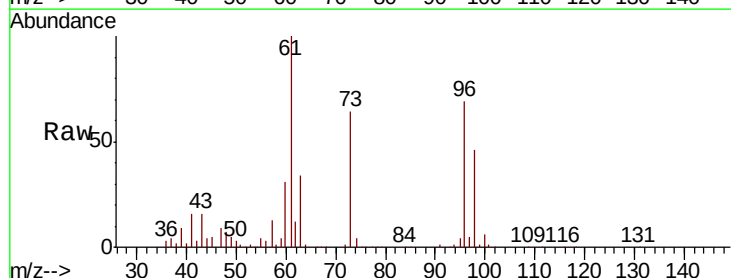
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

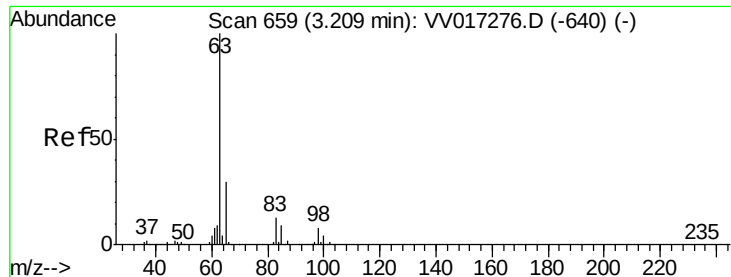
Tot Ion: 73 Resp: 107448
Ion Ratio Lower Upper
73 100
43 23.6 18.6 28.0
57 20.2 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 4.931 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

Tgt Ion: 96 Resp: 43444
Ion Ratio Lower Upper
96 100
61 146.0 102.3 189.9
98 66.5 44.7 82.9

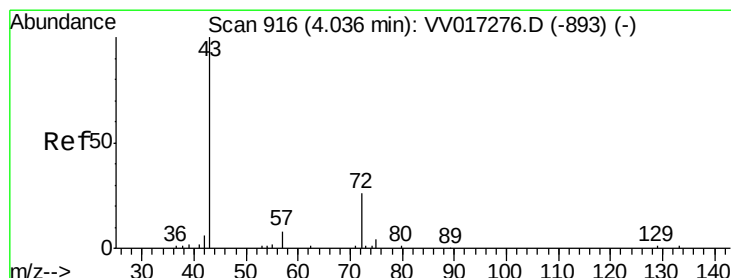
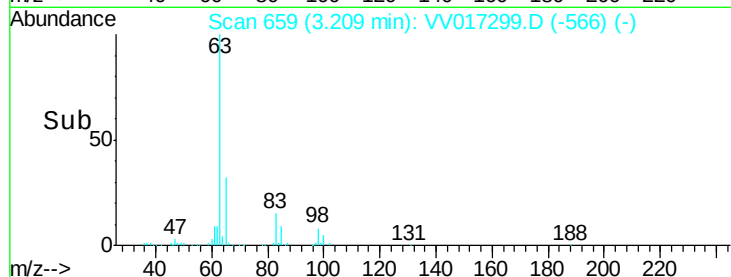
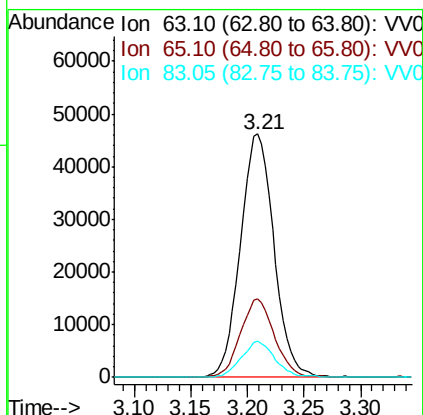
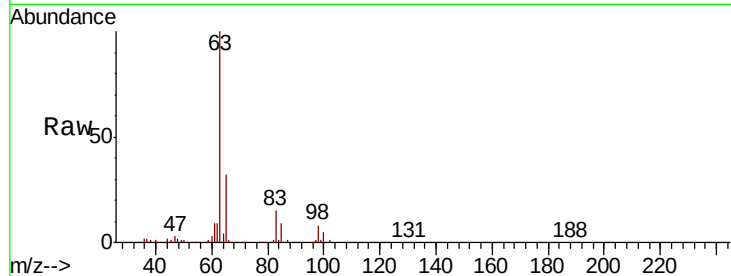




#19
 1,1-Dichloroethane
 Concen: 4.838 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

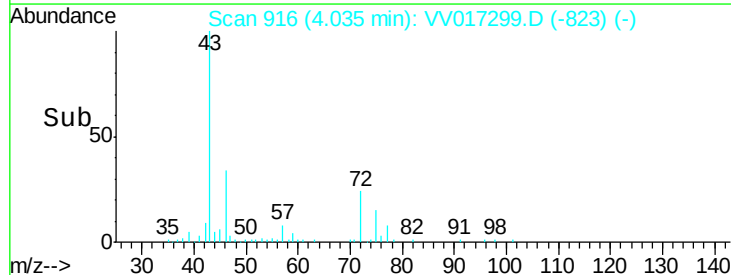
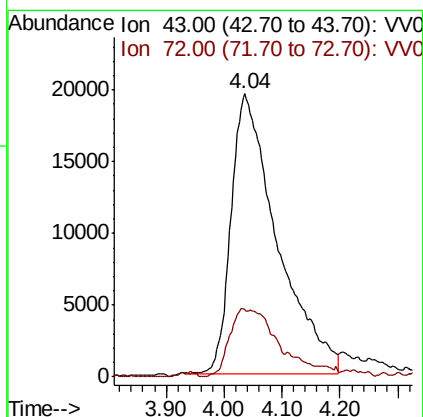
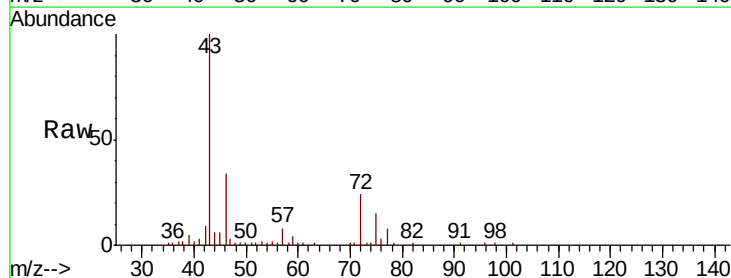
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

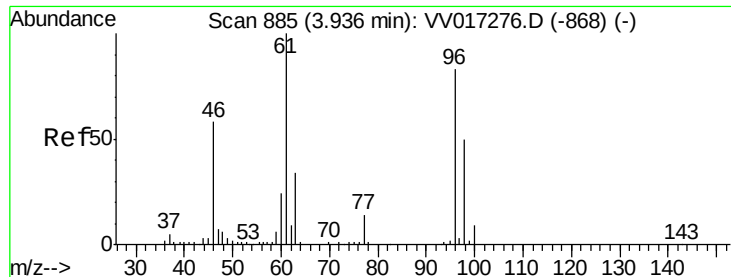
Tot Ion: 63 Resp: 95768
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.8 40.4
 83 14.7 9.7 17.9



#21
 2-Butanone
 Concen: 42.811 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

Tgt Ion: 43 Resp: 108092
 Ion Ratio Lower Upper
 43 100
 72 9.1 12.4 37.4#

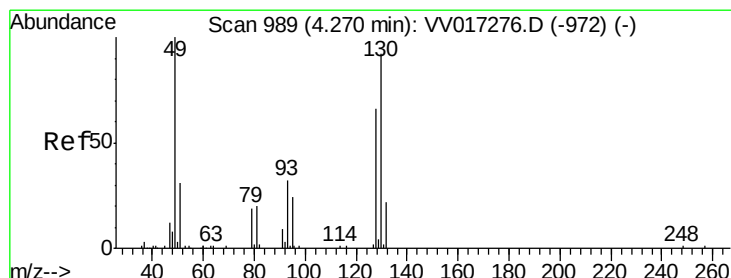
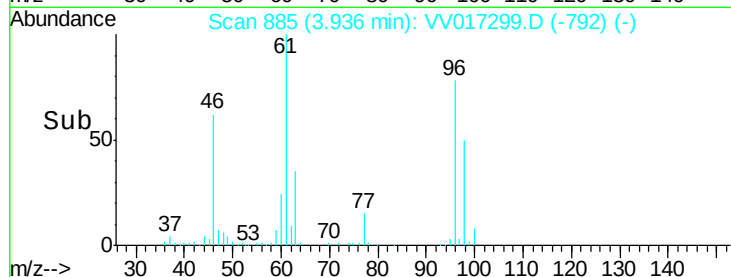
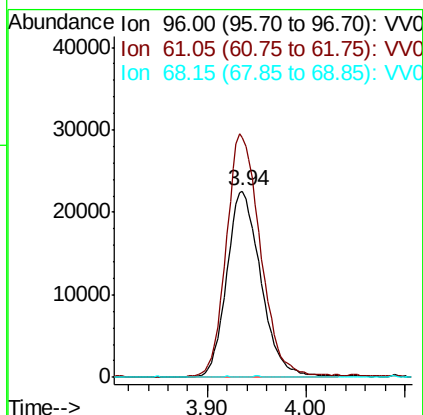
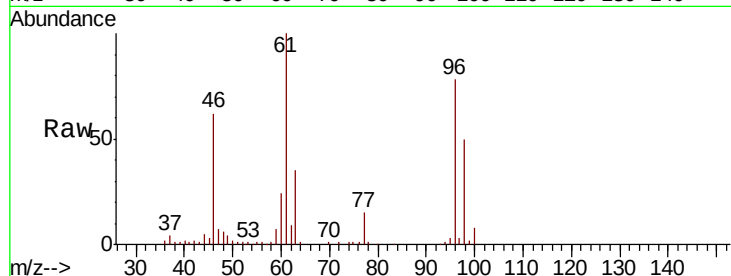




#22
 cis-1,2-Dichloroethene
 Concen: 4.526 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

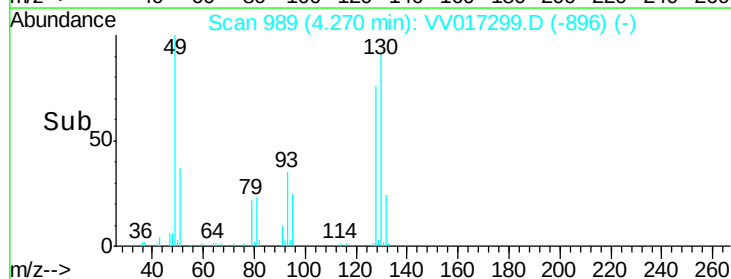
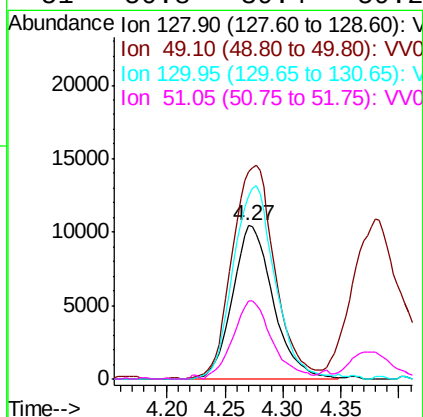
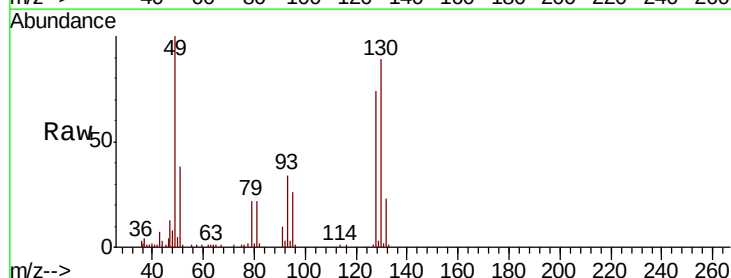
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

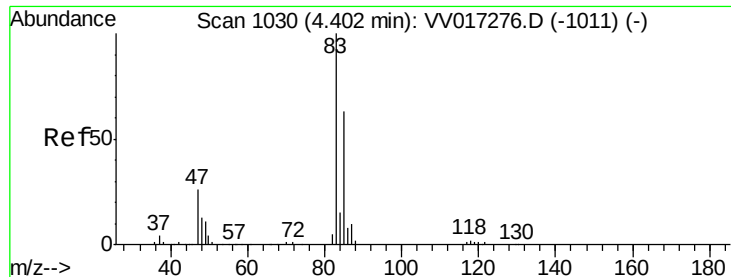
Tot Ion: 96 Resp: 54528
 Ion Ratio Lower Upper
 96 100
 61 128.8 91.0 169.0
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.956 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

Tgt Ion: 128 Resp: 25372
 Ion Ratio Lower Upper
 128 100
 49 135.0 110.8 205.8
 130 119.6 86.0 159.8
 51 50.8 39.4 59.2

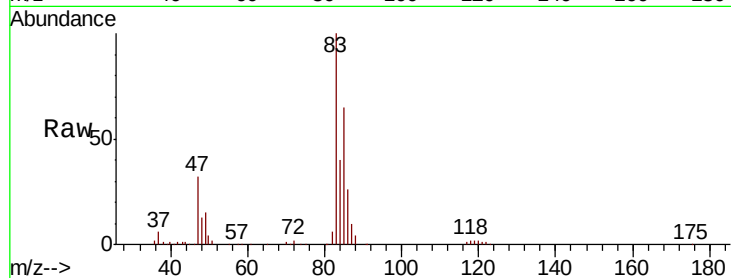




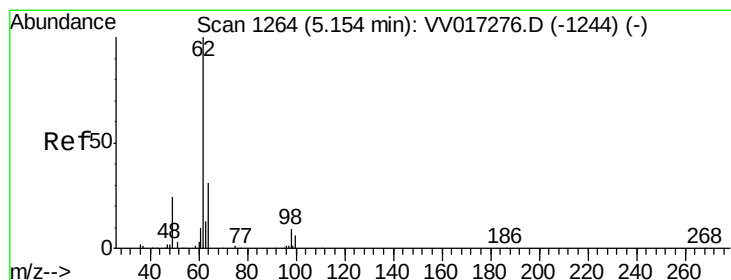
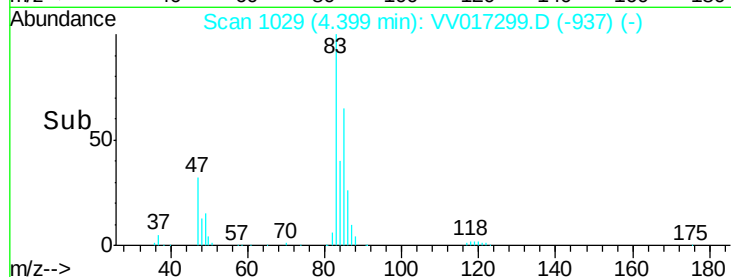
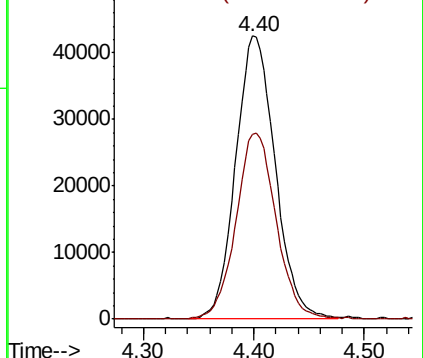
#25
Chloroform
Concen: 4.897 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Tot Ion: 83 Resp: 105884
Ion Ratio Lower Upper
83 100
85 65.2 44.2 82.2

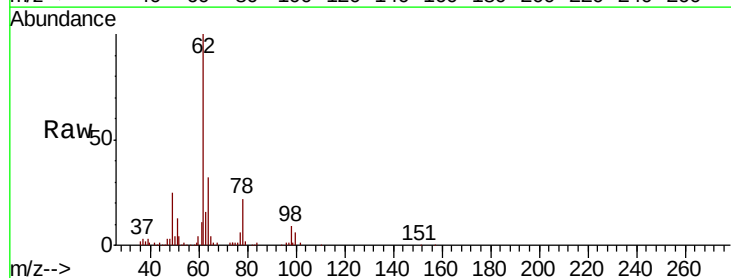


Abundance Ion 83.05 (82.75 to 83.75): VV017276.D (-1011) (-)
Ion 85.00 (84.70 to 85.70): VV017299.D (-937) (-)

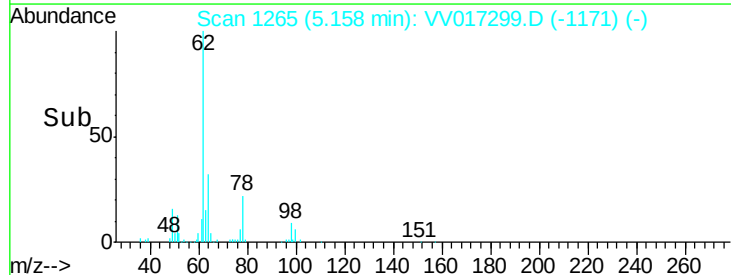
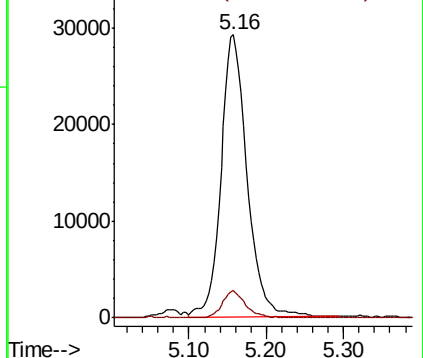


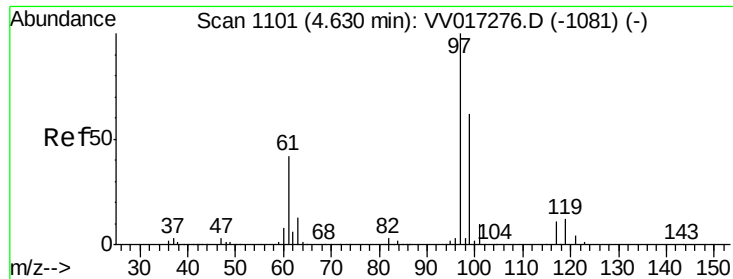
#27
1,2-Dichloroethane
Concen: 5.104 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

Tgt Ion: 62 Resp: 68563
Ion Ratio Lower Upper
62 100
98 9.7 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VV017276.D (-1244) (-)
Ion 98.05 (97.75 to 98.75): VV017299.D (-1171) (-)

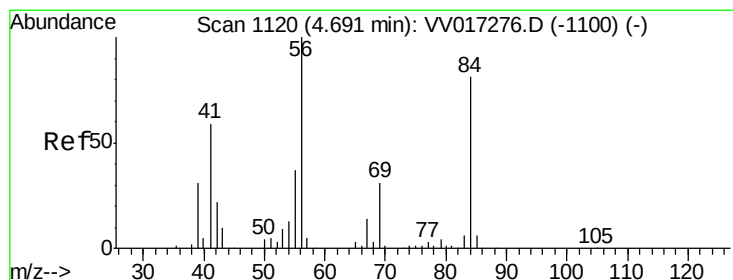
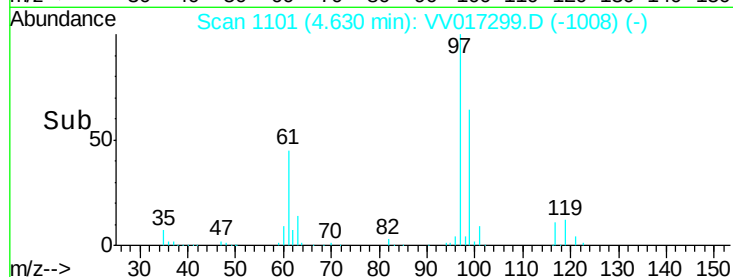
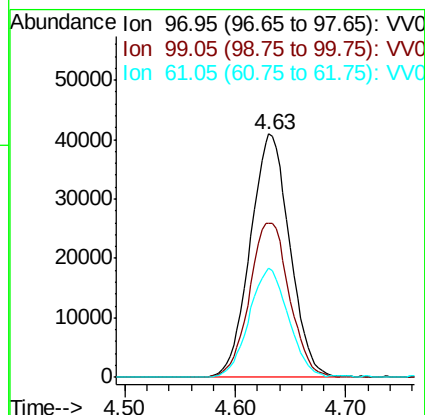
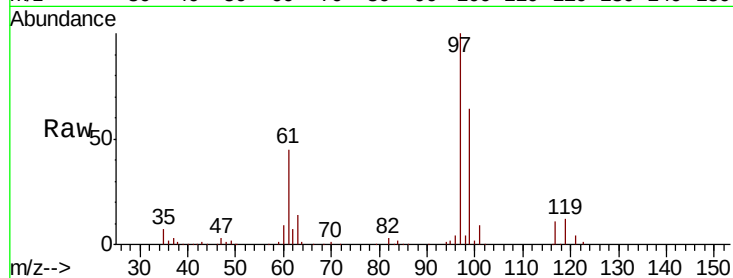




#29
1,1,1-Trichloroethane
Concen: 5.052 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

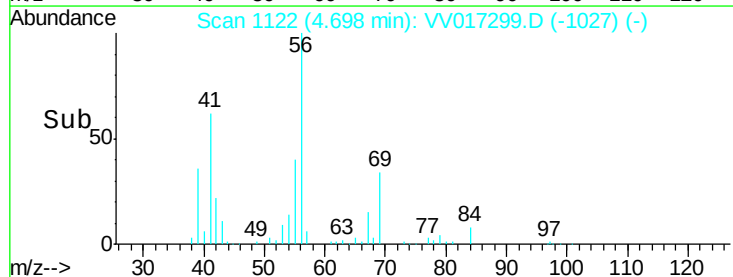
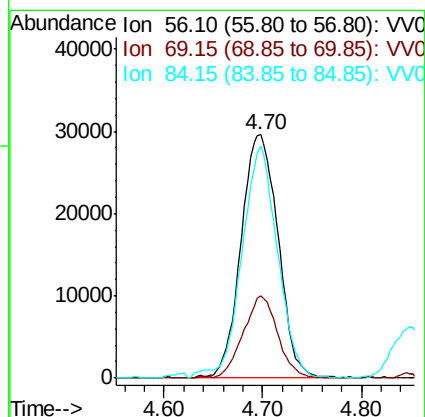
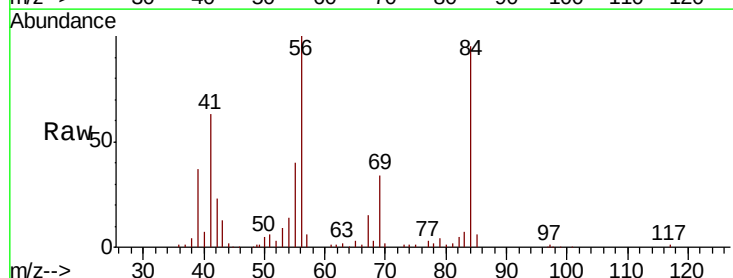
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

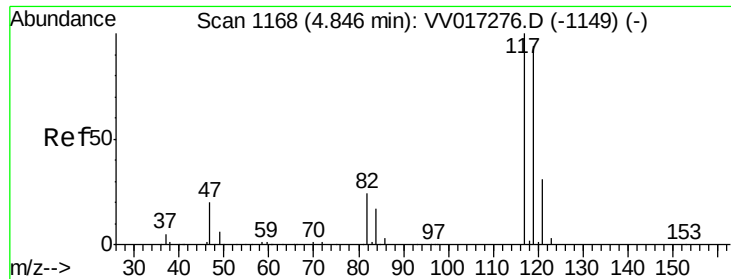
Tot Ion: 97 Resp: 101499
Ion Ratio Lower Upper
97 100
99 64.2 50.3 75.5
61 44.4 36.0 54.0



#30
Cyclohexane
Concen: 4.026 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

Tgt Ion: 56 Resp: 76978
Ion Ratio Lower Upper
56 100
69 31.4 24.4 36.6
84 91.6 69.9 104.9

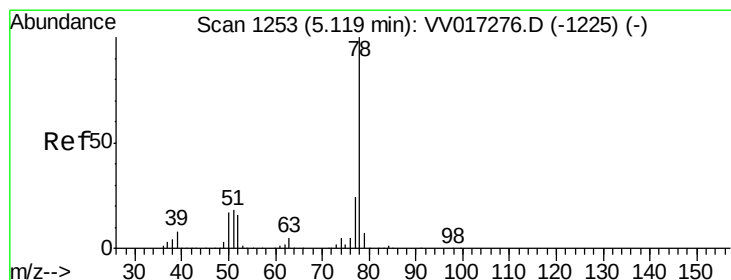
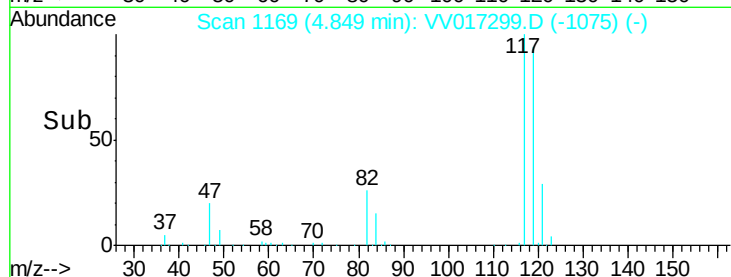
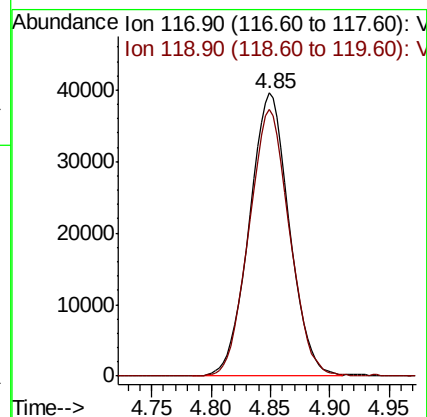
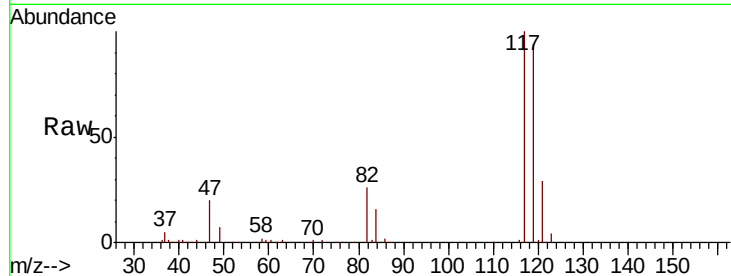




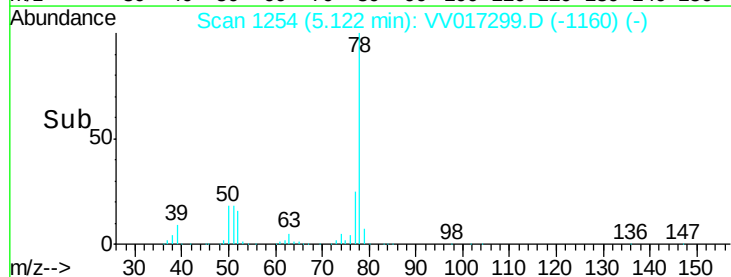
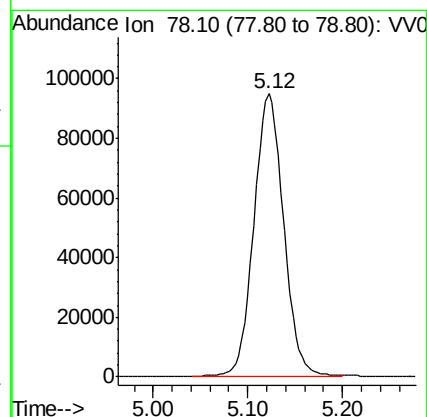
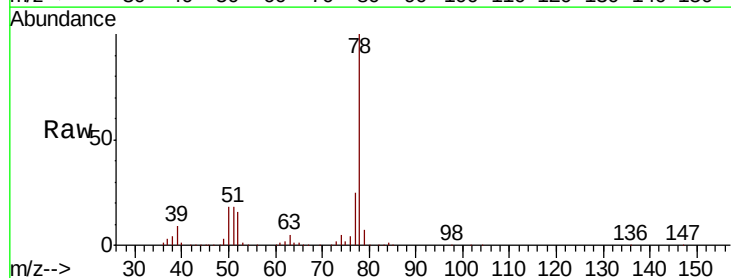
#31
Carbon tetrachloride
Concen: 5.087 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. 0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

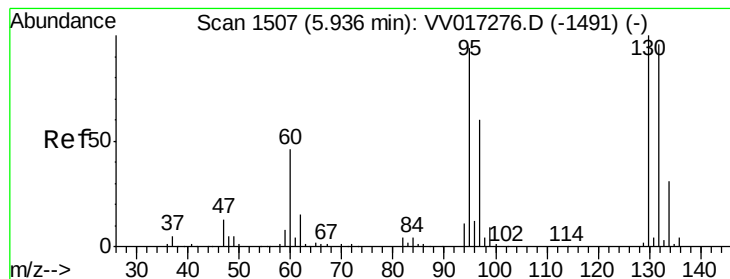
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Tot Ion:117 Resp: 92230
Ion Ratio Lower Upper
117 100
119 95.3 77.8 116.8



#33
Benzene
Concen: 4.744 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46
Tgt Ion: 78 Resp: 208348





#34

Trichloroethene

Concen: 4.916 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

Tot Ion: 95 Resp: 63215

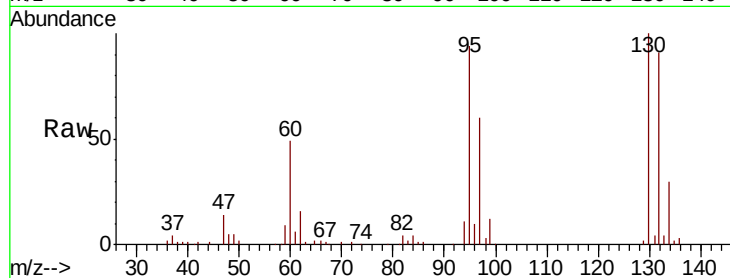
Ion Ratio Lower Upper

95 100

97 64.1 45.3 84.1

132 96.4 68.8 127.8

130 106.0 70.2 130.4

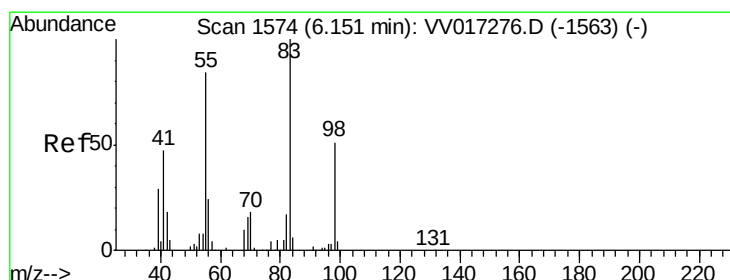
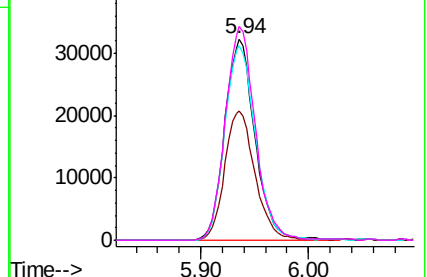
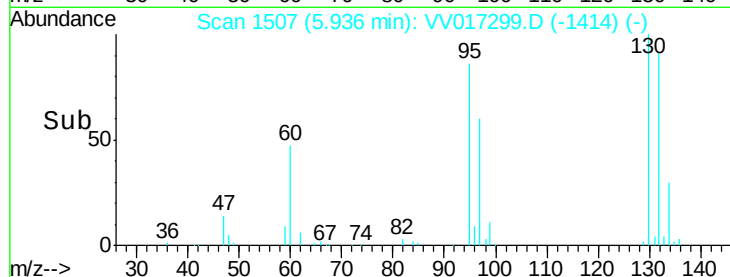


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 3.995 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

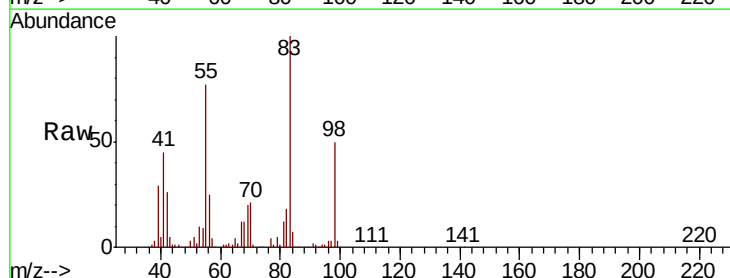
Tgt Ion: 83 Resp: 79868

Ion Ratio Lower Upper

83 100

55 79.3 63.6 95.4

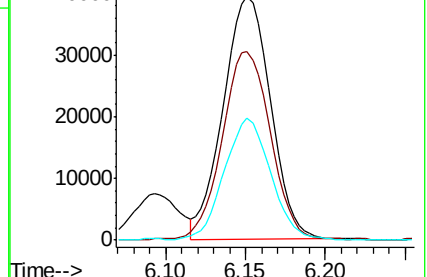
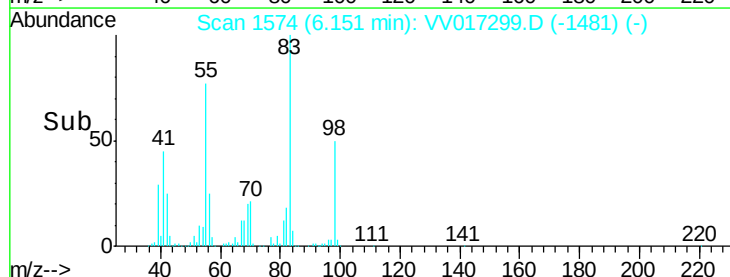
98 49.3 38.8 58.2

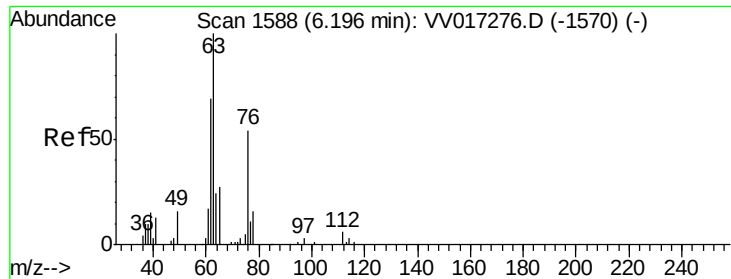


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

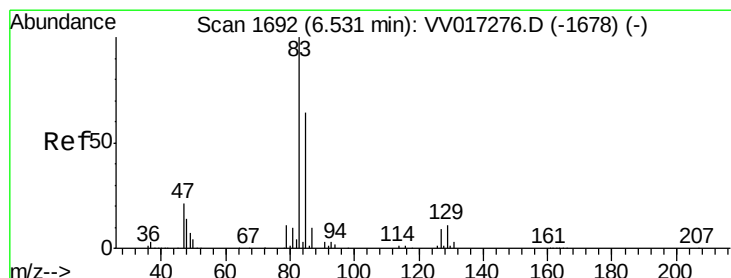
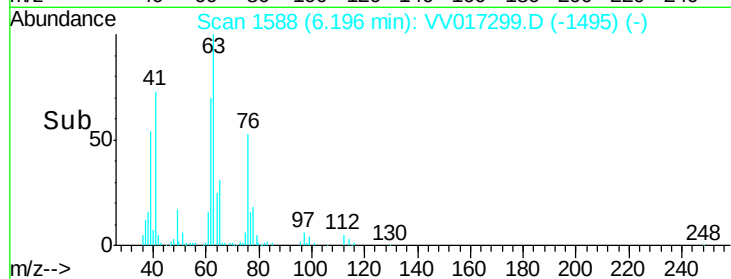
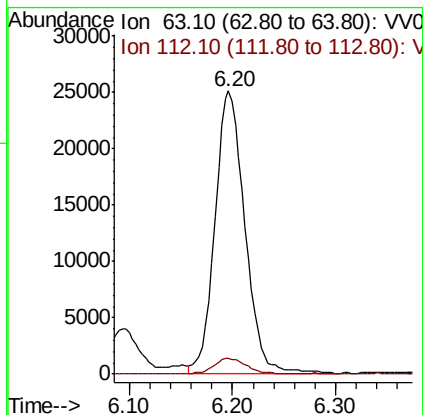
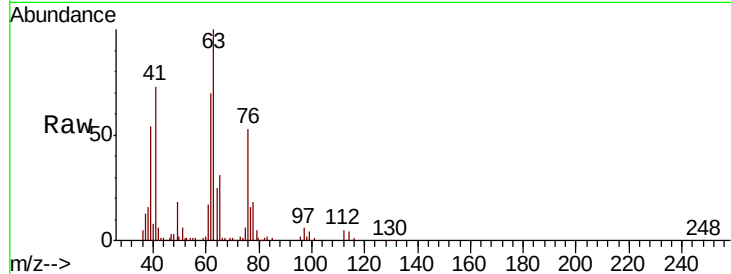




#37
 1,2-Dichloropropane
 Concen: 4.684 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

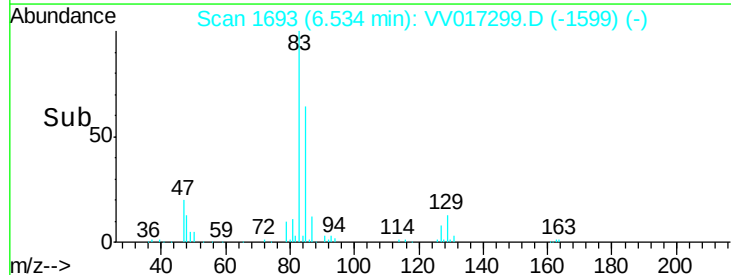
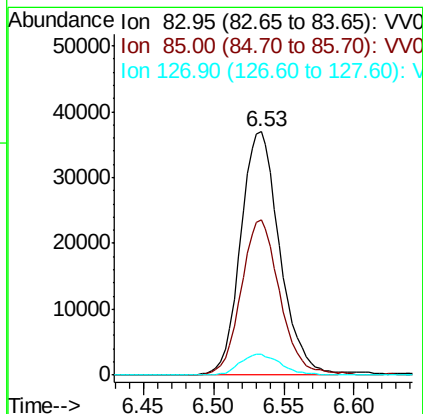
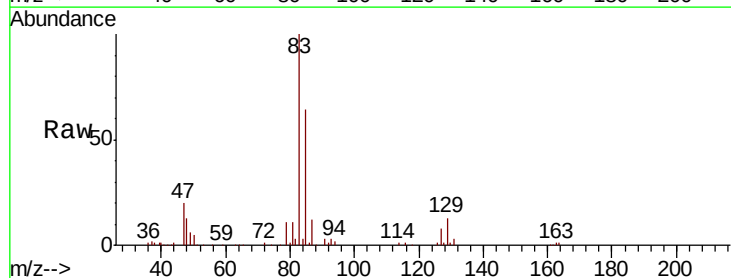
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00544

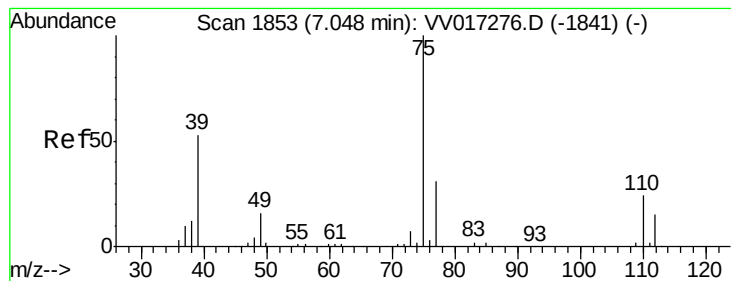
Tot Ion: 63 Resp: 50922
 Ion Ratio Lower Upper
 63 100
 112 6.0 4.4 6.6



#38
 Bromodichloromethane
 Concen: 4.851 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

Tgt Ion: 83 Resp: 71633
 Ion Ratio Lower Upper
 83 100
 85 63.8 43.4 80.6
 127 8.4 7.9 11.9



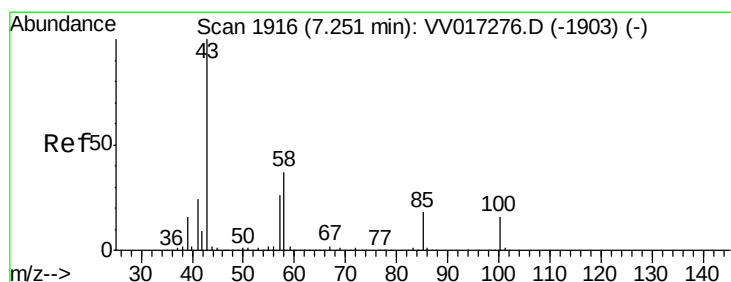
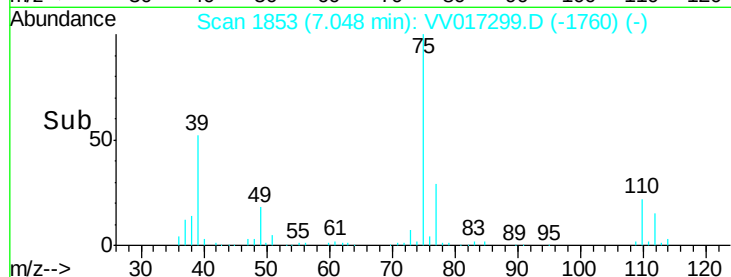
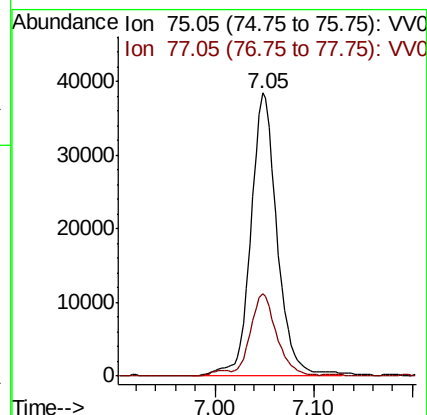
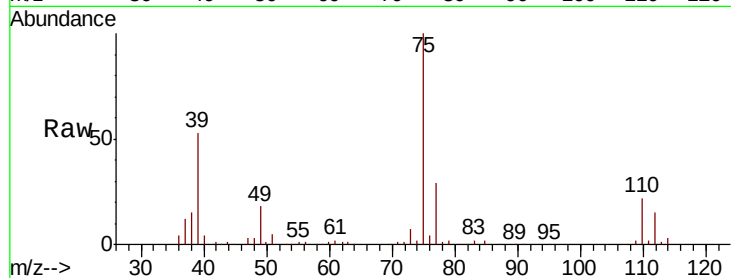


#39

cis-1,3-Dichloropropene
 Concen: 4.385 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

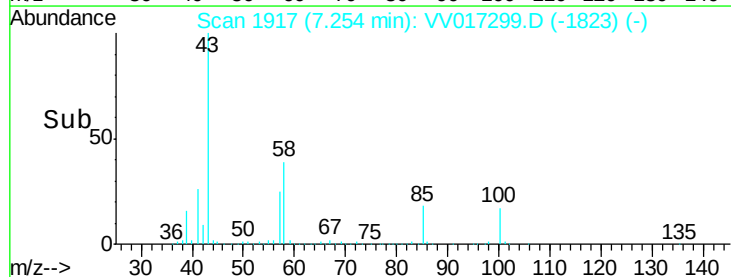
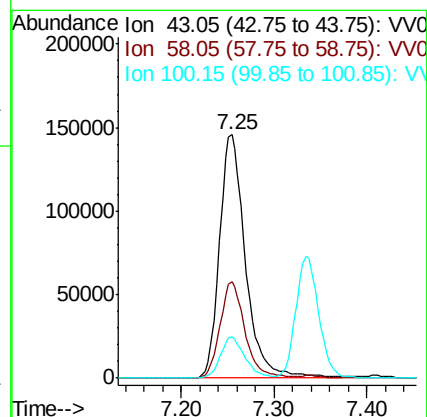
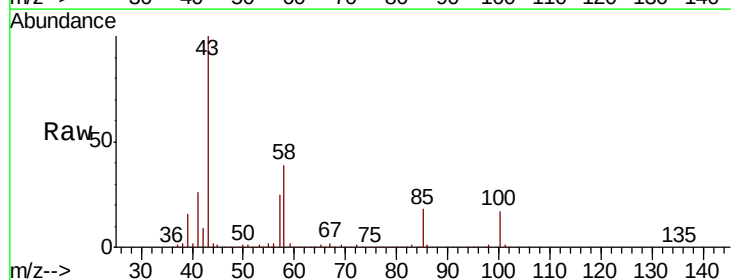
Tot Ion: 75 Resp: 70830
 Ion Ratio Lower Upper
 75 100
 77 29.2 22.3 41.5

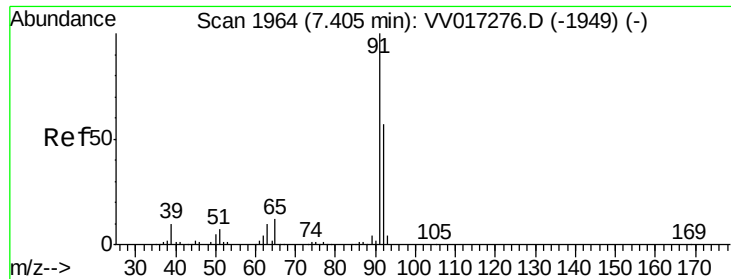


#40

4-Methyl-2-pentanone
 Concen: 44.955 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

Tgt Ion: 43 Resp: 282190
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.4 45.6
 100 16.0 12.7 19.1





#42

Toluene

Concen: 4.557 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

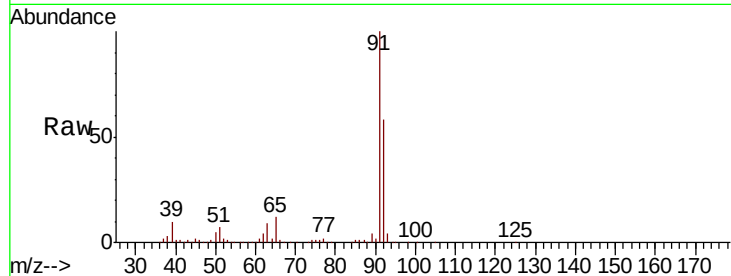
VSTD00544

Tot Ion: 91 Resp: 232702

Ion Ratio Lower Upper

91 100

92 58.1 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017276.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017299.D (-2323) (-)

7.41

150000

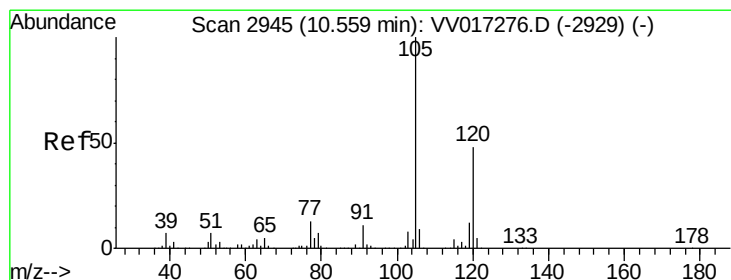
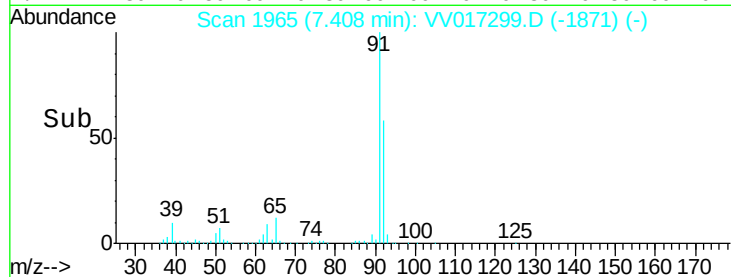
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 4.415 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017299.D

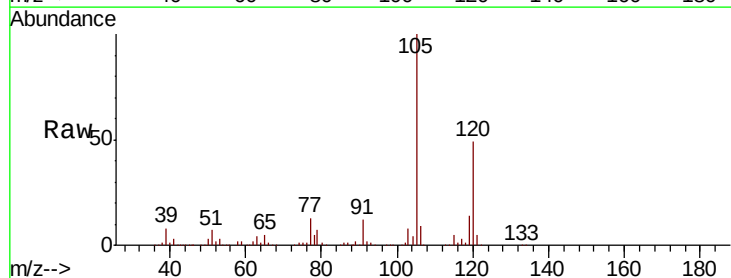
Acq: 02 Jul 2020 09:46

Tgt Ion: 105 Resp: 201599

Ion Ratio Lower Upper

105 100

120 49.4 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017276.D (-2929) (-)

Ion 120.00 (119.70 to 120.70): VV017299.D (-2323) (-)

10.56

150000

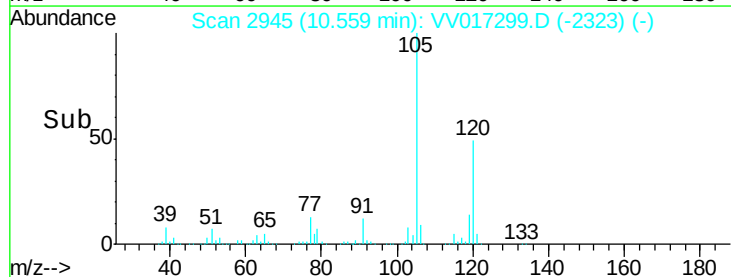
100000

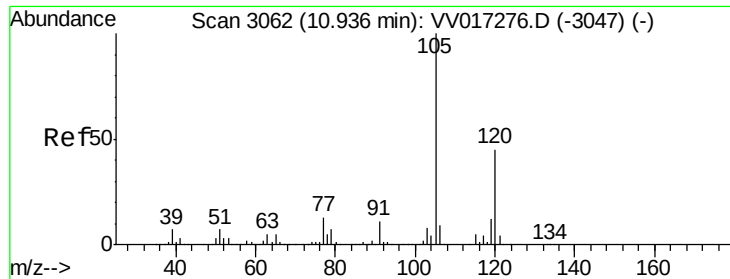
50000

0

10.50 10.55 10.60

Time-->





#44

1,2,4-Trimethylbenzene

Concen: 4.596 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

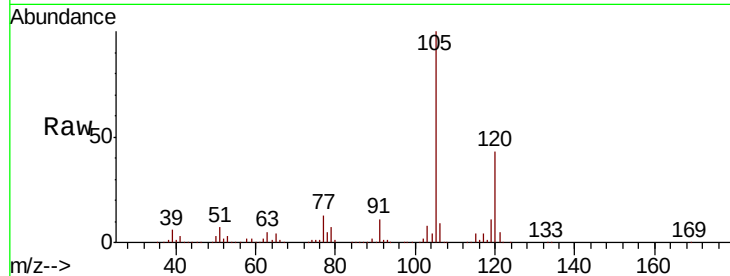
VSTD00544

Tot Ion:105 Resp: 213711

Ion Ratio Lower Upper

105 100

120 44.6 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.94

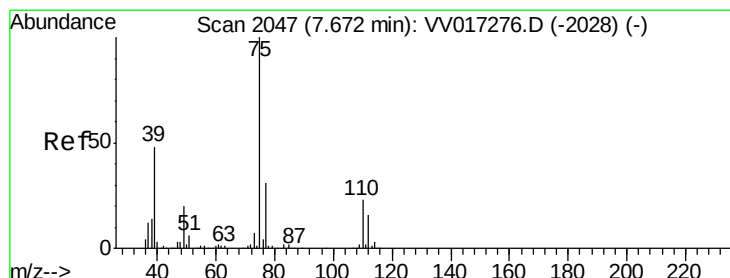
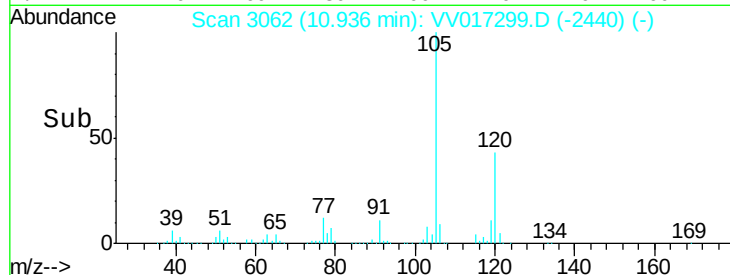
150000

100000

50000

0

Time--> 10.85 10.90 10.95 11.00



#46

trans-1,3-Dichloropropene

Concen: 4.414 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV017299.D

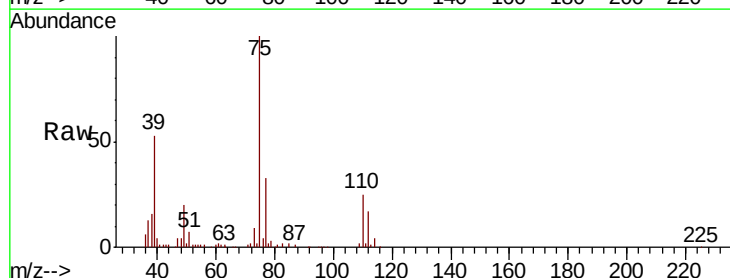
Acq: 02 Jul 2020 09:46

Tgt Ion: 75 Resp: 61677

Ion Ratio Lower Upper

75 100

77 33.2 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

40000

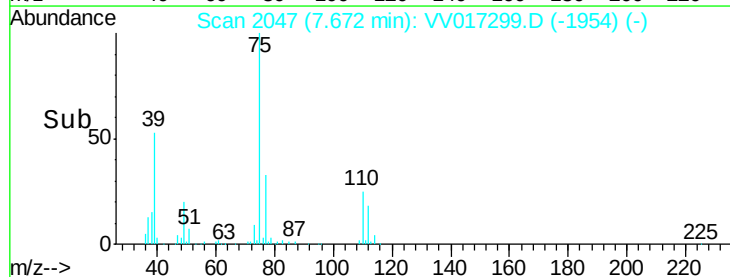
30000

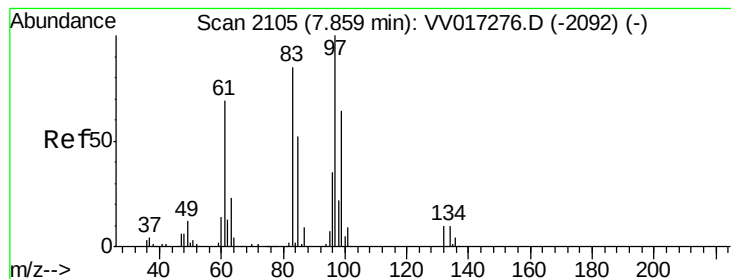
20000

10000

0

Time--> 7.60 7.70 7.80





#47

1,1,2-Trichloroethane

Concen: 4.678 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

Tot Ion: 97 Resp: 36072

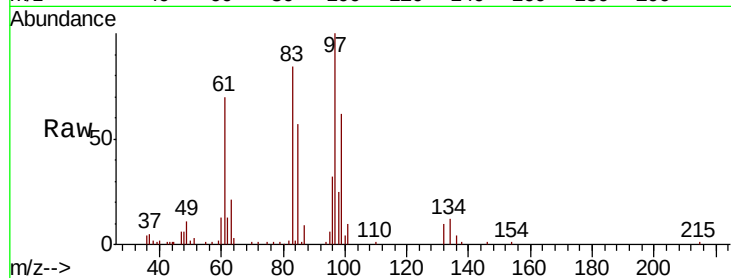
Ion Ratio Lower Upper

97 100

99 62.2 43.6 81.0

83 84.2 57.4 106.6

85 56.8 38.8 72.0

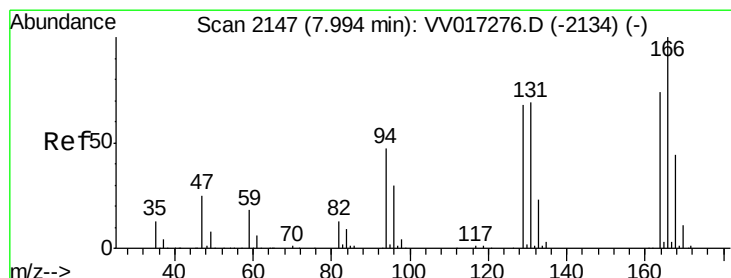
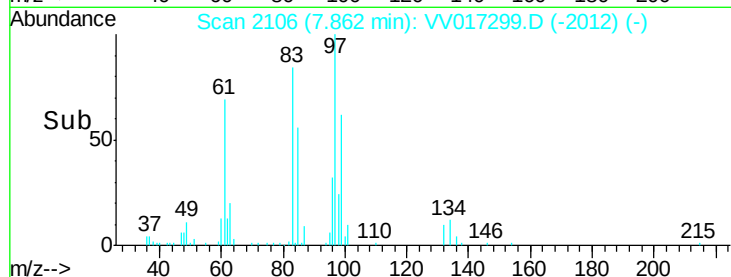
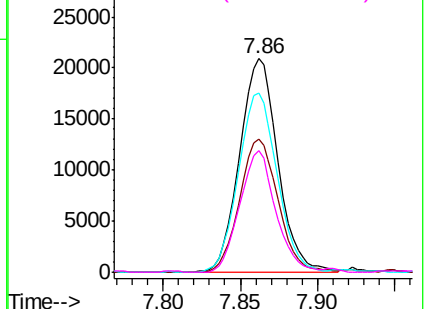


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49

Tetrachloroethene

Concen: 4.617 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Tgt Ion: 164 Resp: 47789

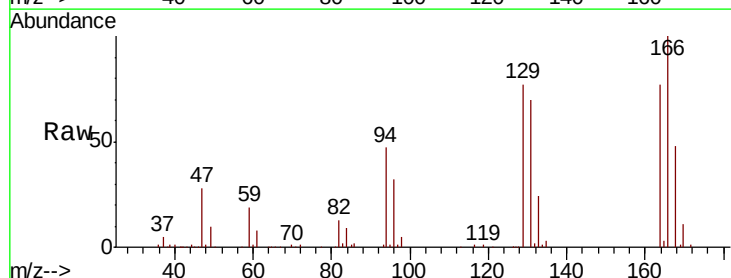
Ion Ratio Lower Upper

164 100

129 99.7 65.2 121.0

131 91.3 64.1 119.1

166 129.7 90.2 167.4

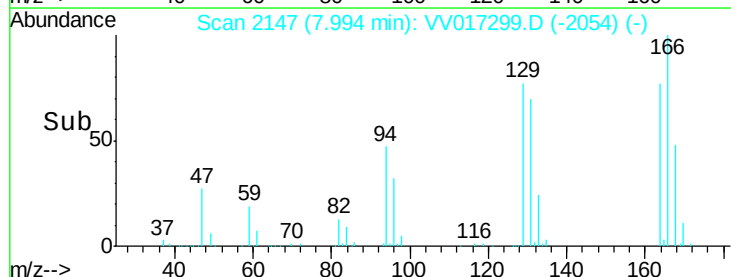
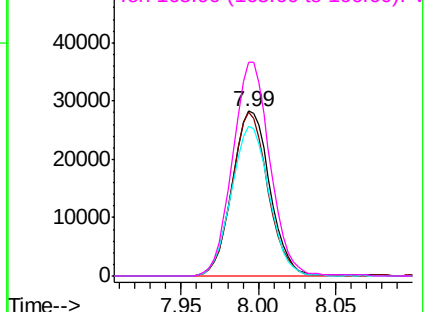


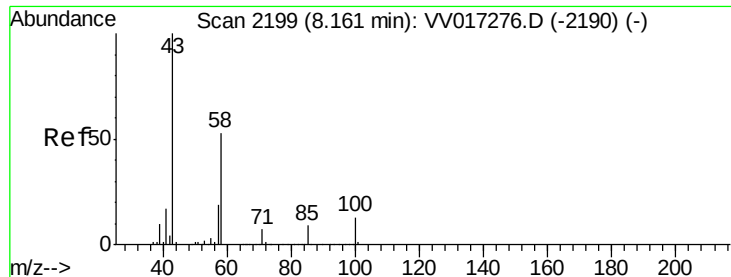
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

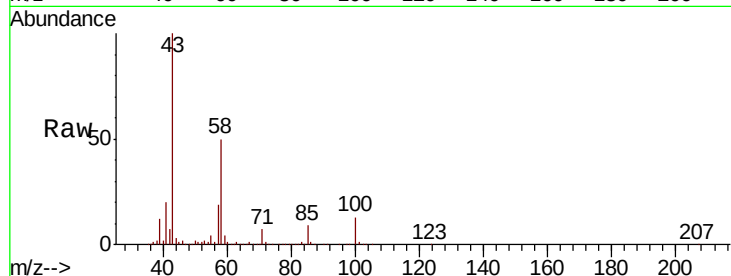




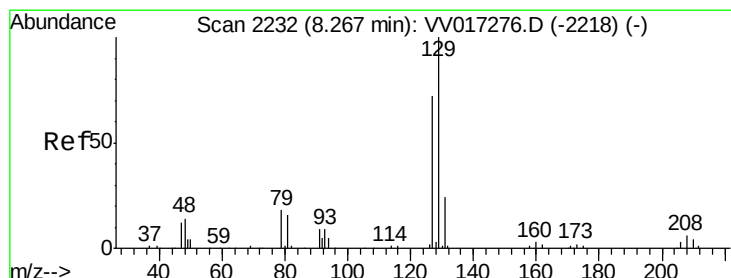
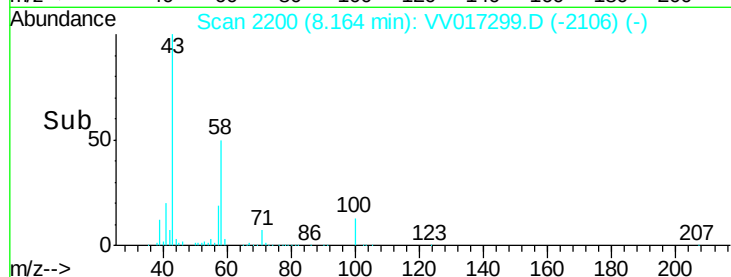
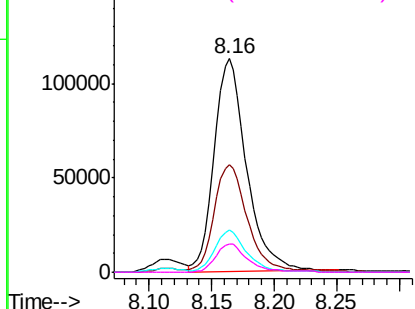
#50
2-Hexanone
Concen: 45.164 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Tot Ion: 43 Resp: 201754
Ion Ratio Lower Upper
43 100
58 52.2 41.6 62.4
57 19.3 15.4 23.0
100 12.5 10.1 15.1

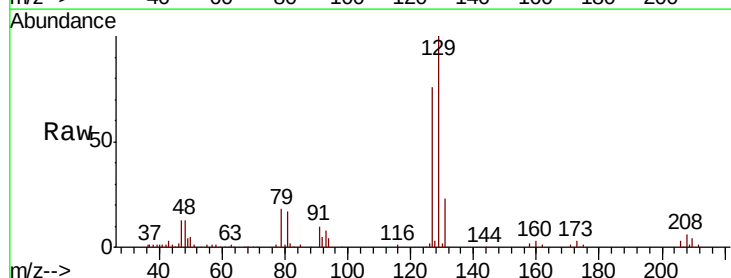


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

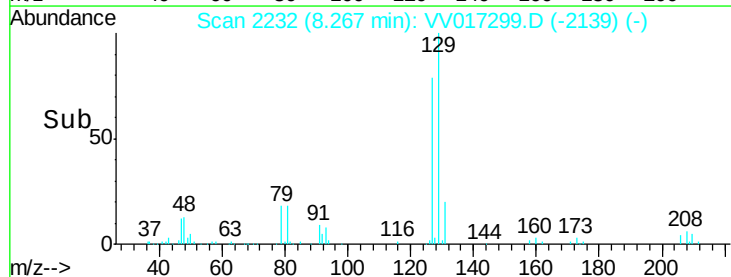
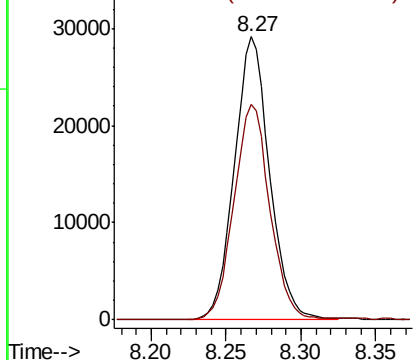


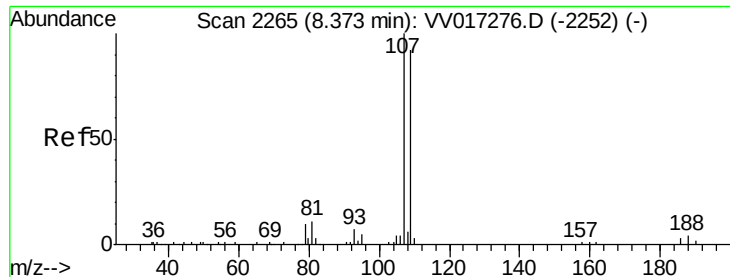
#51
Dibromochloromethane
Concen: 5.113 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

Tgt Ion: 129 Resp: 47788
Ion Ratio Lower Upper
129 100
127 75.9 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 4.825 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

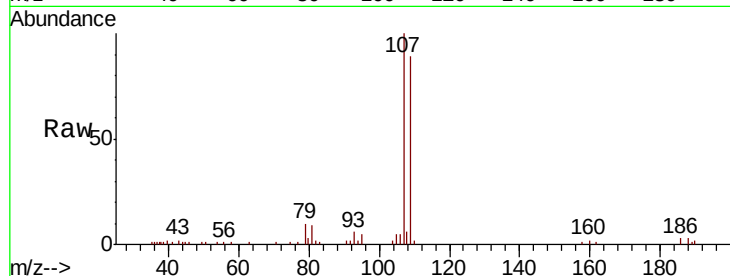
Tot Ion:107 Resp: 35284

Ion Ratio Lower Upper

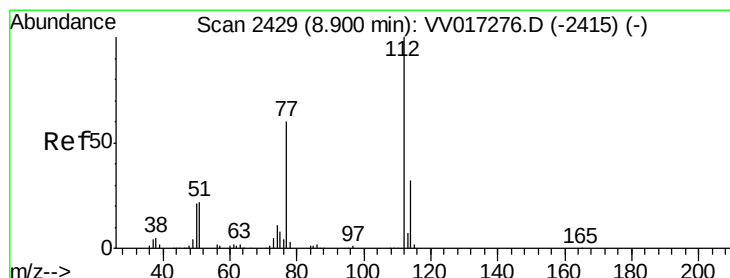
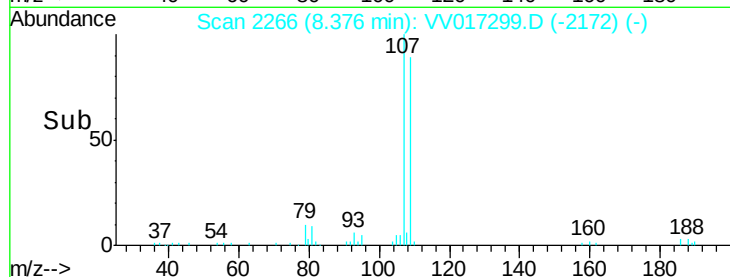
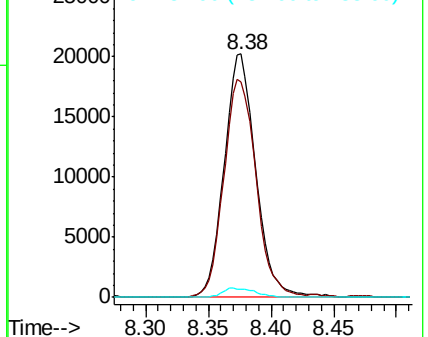
107 100

109 88.6 69.4 128.8

188 3.2 3.9 5.9#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 4.630 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

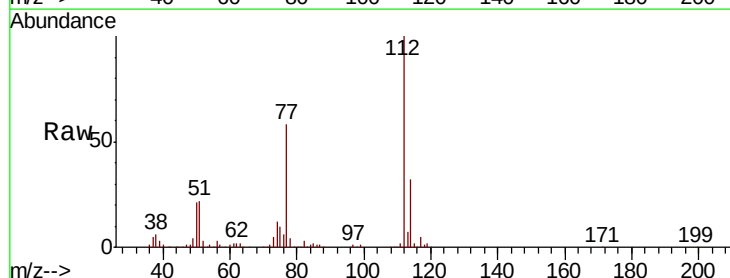
Tgt Ion:112 Resp: 147389

Ion Ratio Lower Upper

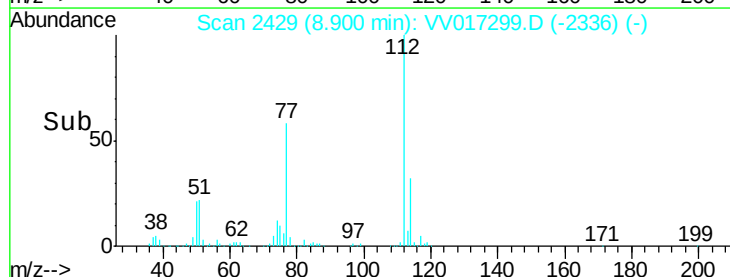
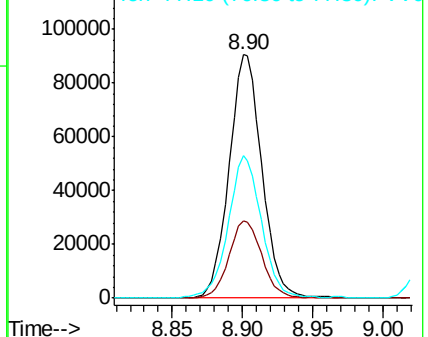
112 100

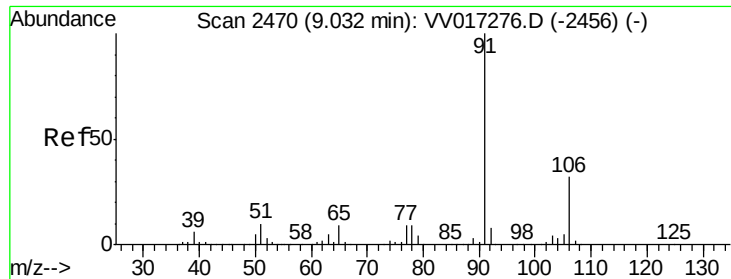
114 31.9 22.0 41.0

77 58.5 46.0 69.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

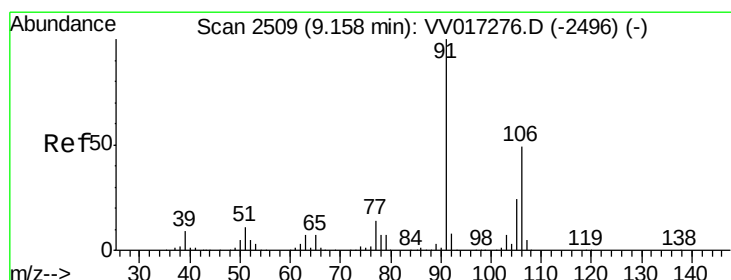
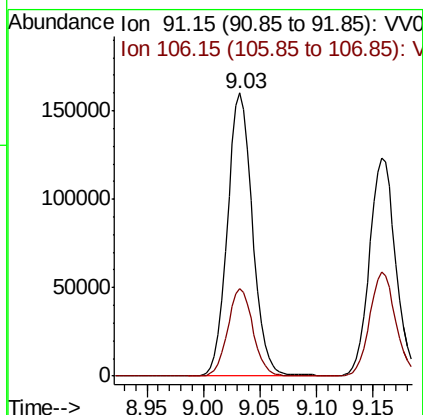
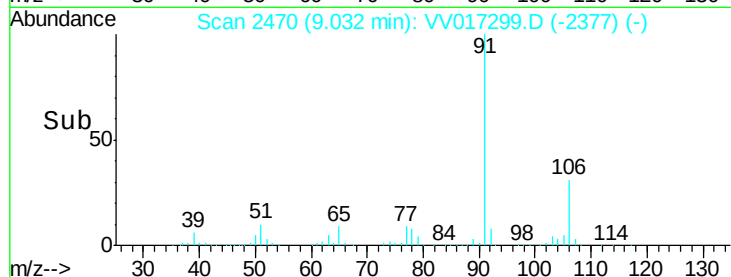
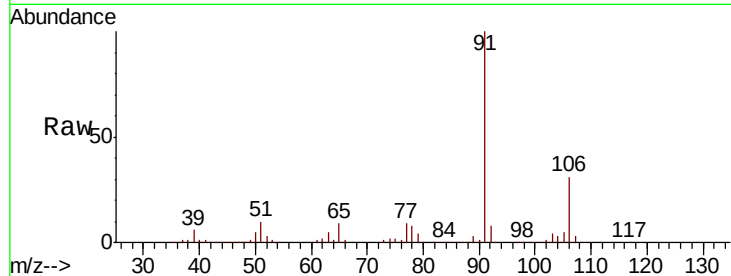




#54
Ethylbenzene
Concen: 4.539 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

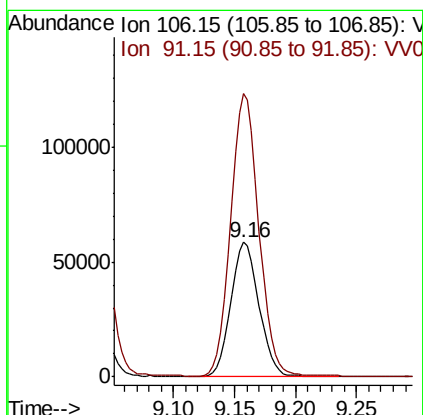
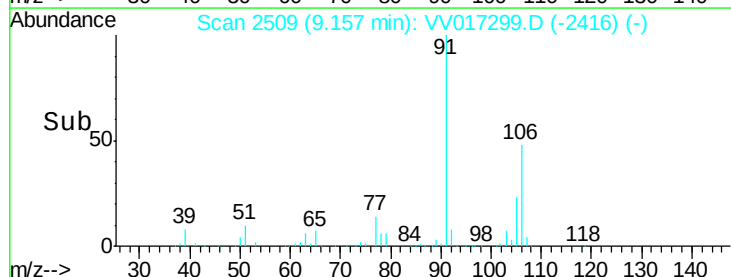
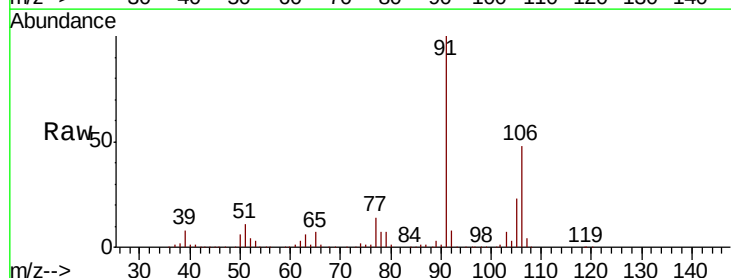
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

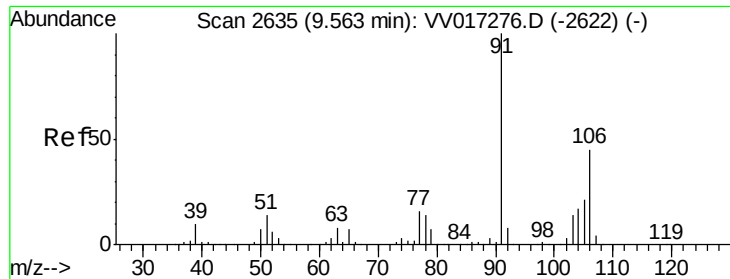
Tot Ion: 91 Resp: 247412
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.1



#55
m,p-xylene
Concen: 4.395 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

Tgt Ion: 106 Resp: 93942
Ion Ratio Lower Upper
106 100
91 210.2 142.7 264.9

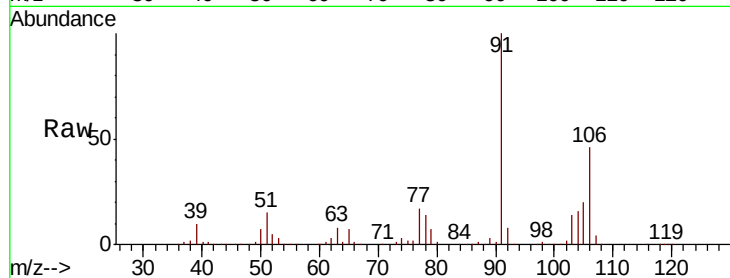




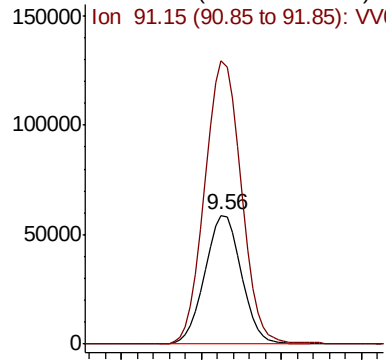
#56
o-xylene
Concen: 4.571 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

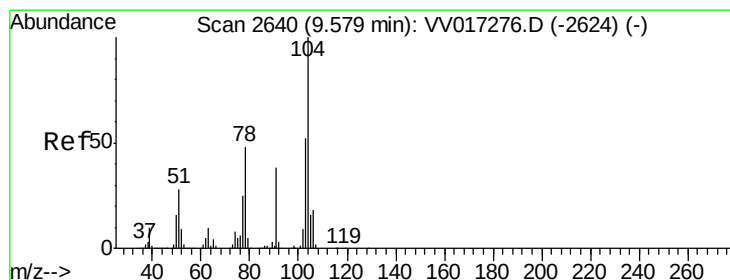
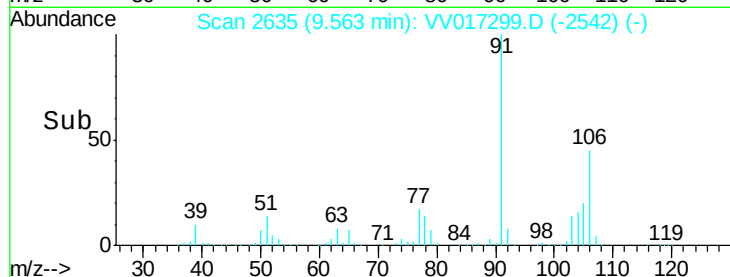
Tot Ion:106 Resp: 91181
Ion Ratio Lower Upper
106 100
91 219.7 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

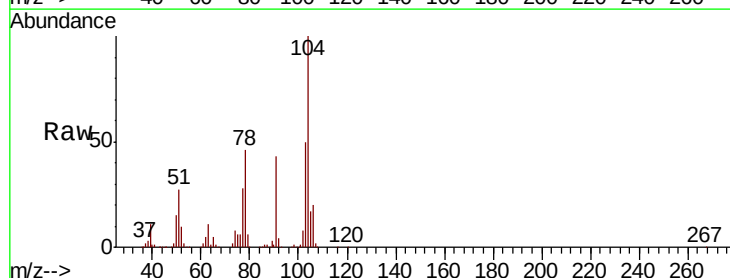


Time-->

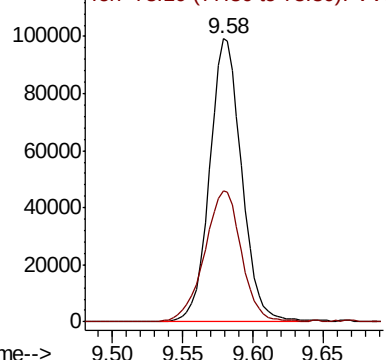


#57
Styrene
Concen: 4.782 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017299.D
Acq: 02 Jul 2020 09:46

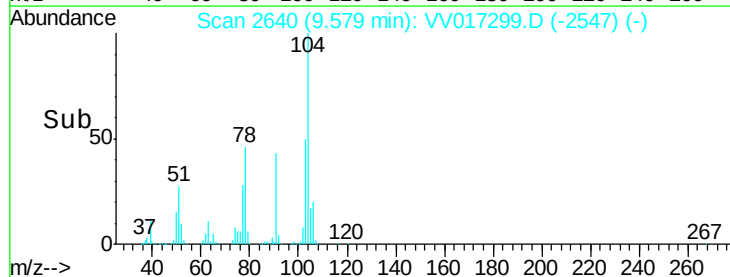
Tgt Ion:104 Resp: 158053
Ion Ratio Lower Upper
104 100
78 46.1 33.9 62.9

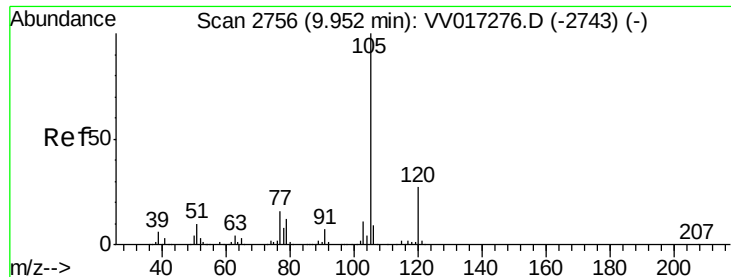


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time-->





#58

Isopropylbenzene

Concen: 4.504 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

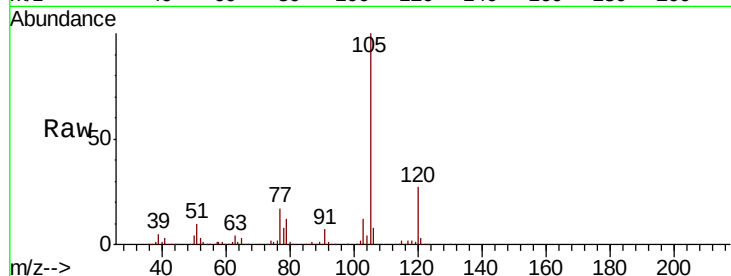
Tot Ion:105 Resp: 247275

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

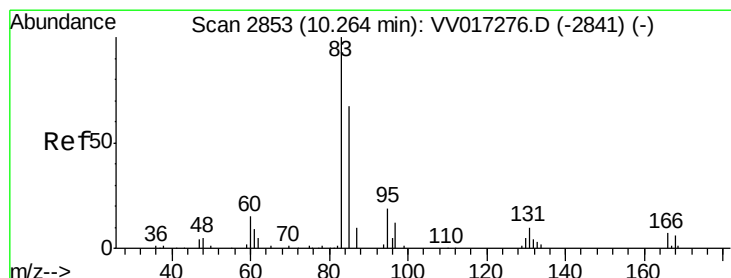
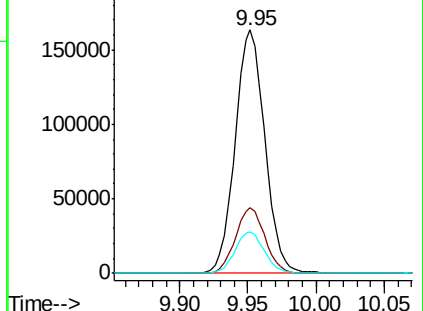
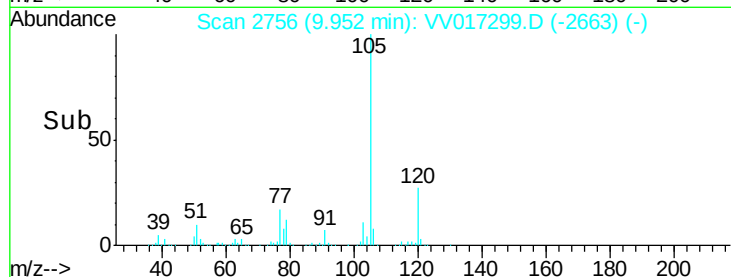
77 16.6 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): VV017299.D (-2663) (-)

Ion 120.10 (119.80 to 120.80): VV017299.D (-2663) (-)

Ion 77.10 (76.80 to 77.80): VV017299.D (-2663) (-)



#60

1,1,2,2-Tetrachloroethane

Concen: 5.140 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

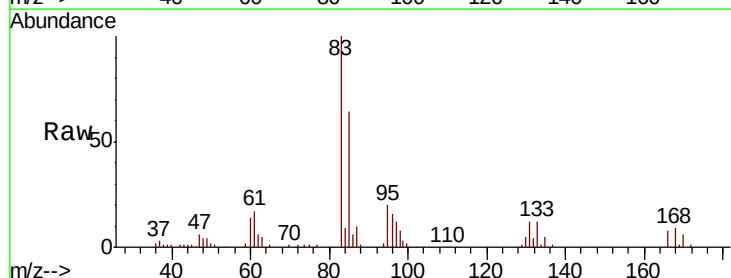
Tgt Ion: 83 Resp: 40995

Ion Ratio Lower Upper

83 100

85 63.7 42.9 79.7

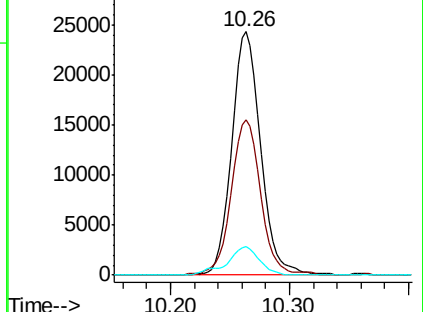
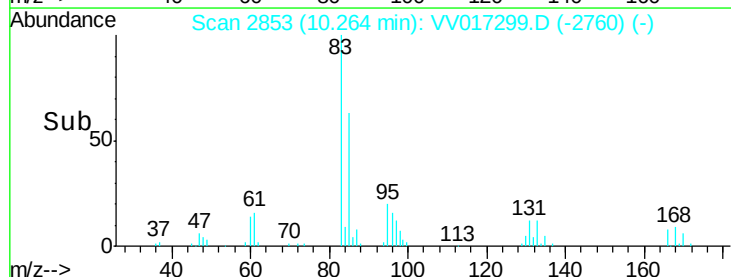
131 11.5 8.6 13.0

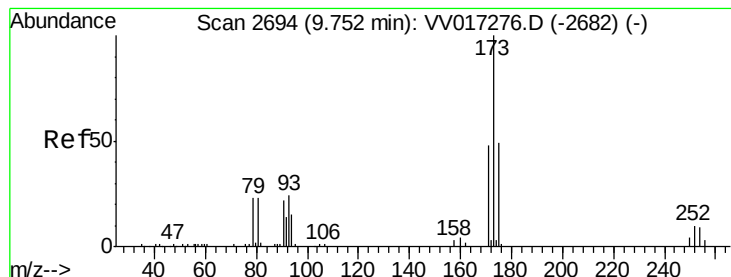


Abundance Ion 82.95 (82.65 to 83.65): VV017299.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV017299.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV017299.D (-2760) (-)





#62

Bromoform

Concen: 5.428 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

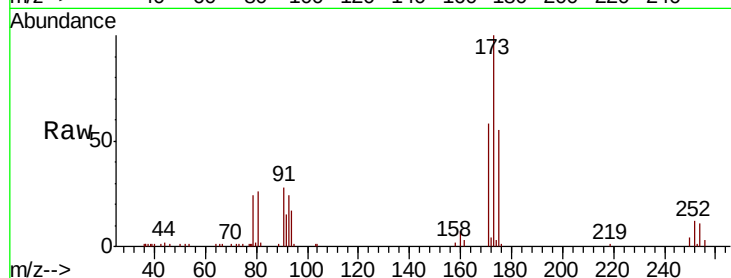
Tot Ion:173 Resp: 25235

Ion Ratio Lower Upper

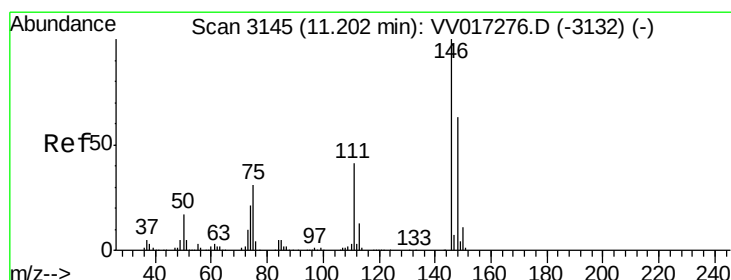
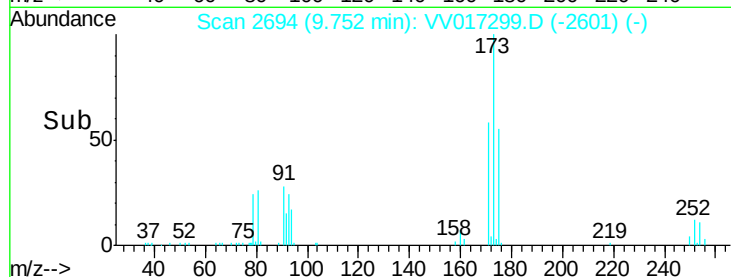
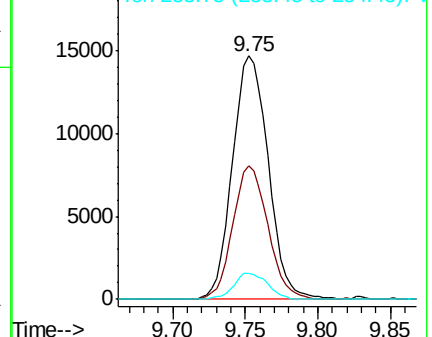
173 100

175 53.7 39.4 59.2

254 10.1 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.663 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

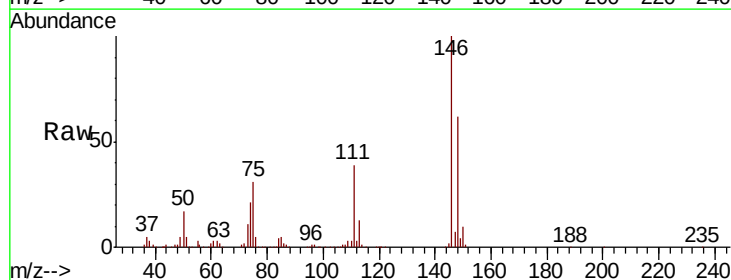
Tgt Ion:146 Resp: 121992

Ion Ratio Lower Upper

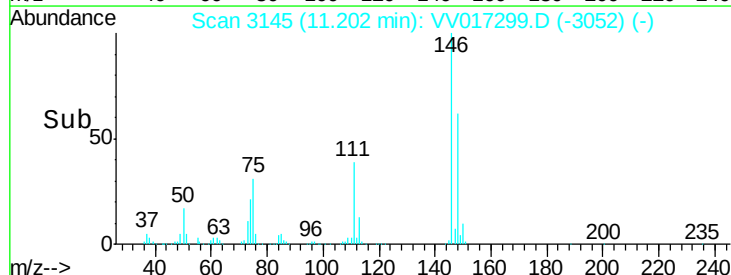
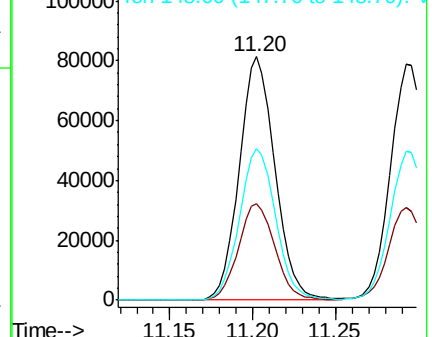
146 100

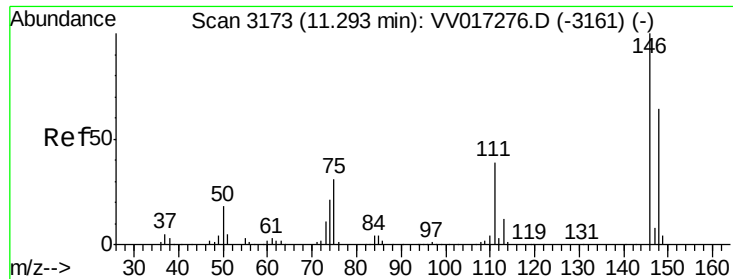
111 39.5 29.2 54.2

148 62.4 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

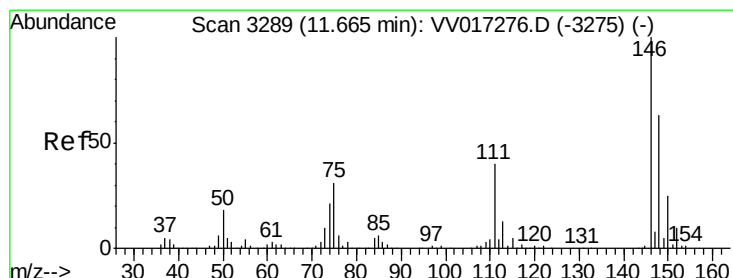
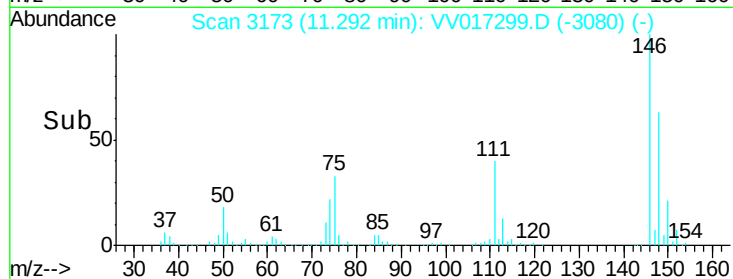
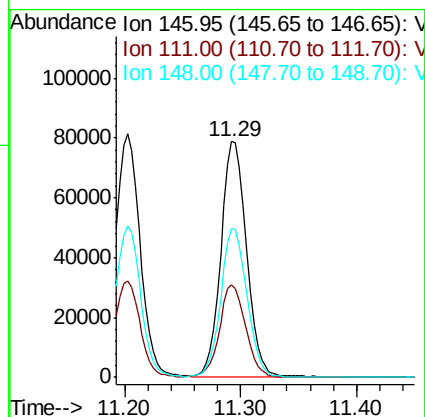
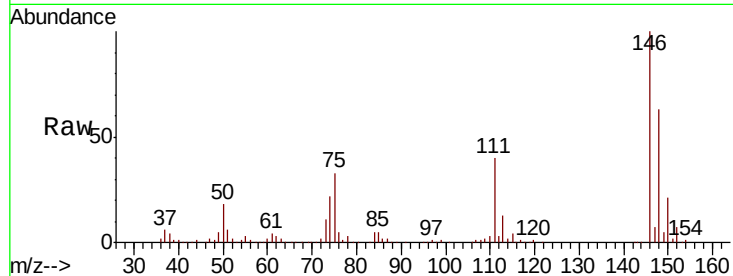




#64
 1,4-Dichlorobenzene
 Concen: 4.540 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

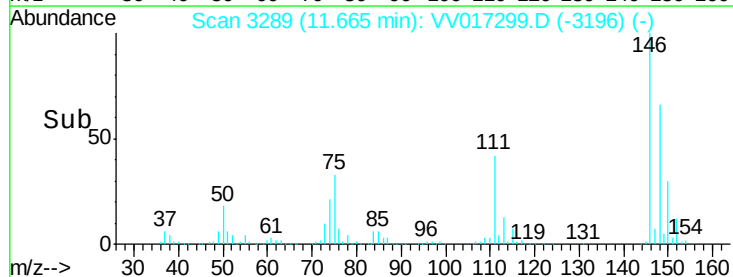
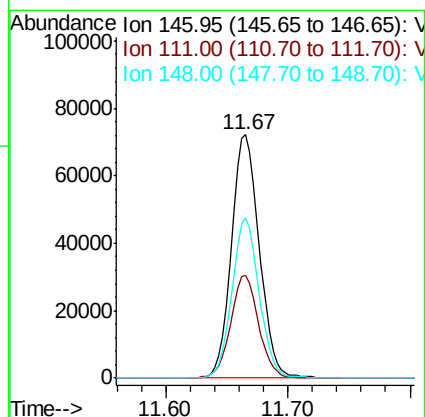
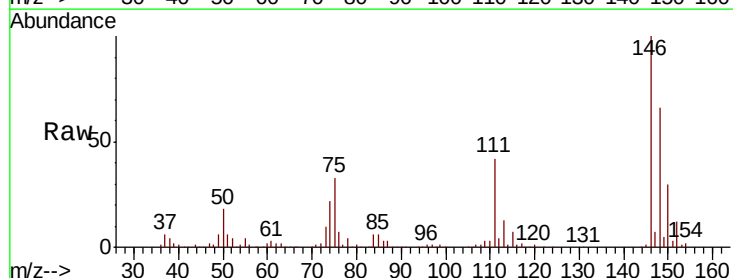
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

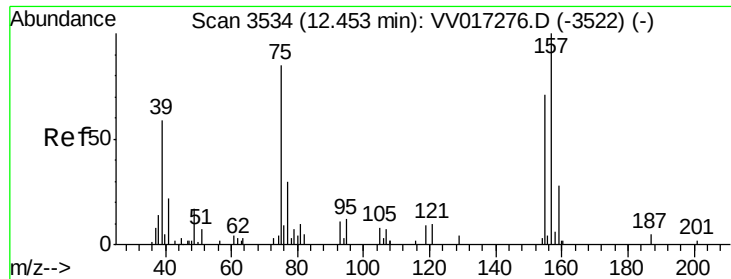
Tot Ion:146 Resp: 120730
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.4 50.8
 148 63.2 44.3 82.3



#66
 1,2-Dichlorobenzene
 Concen: 4.848 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

Tgt Ion:146 Resp: 115110
 Ion Ratio Lower Upper
 146 100
 111 42.3 34.4 51.6
 148 65.7 49.9 74.9

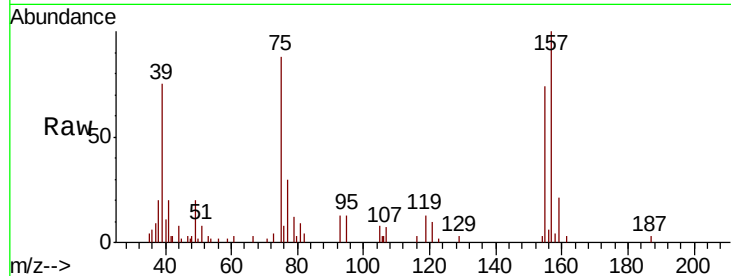




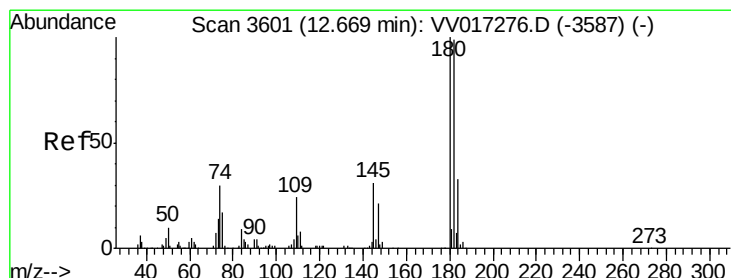
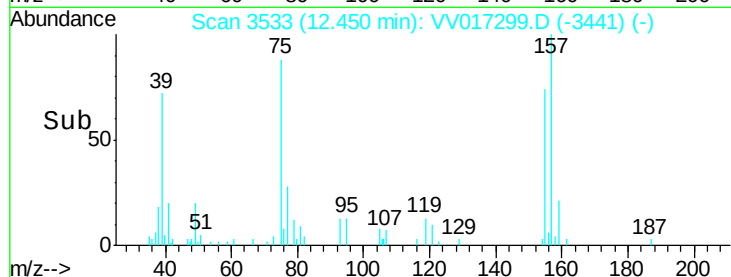
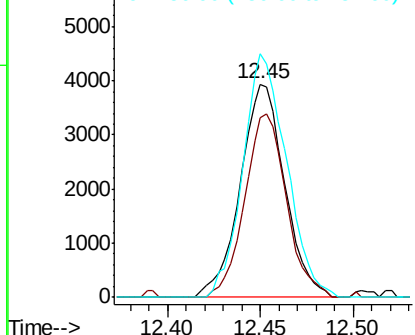
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.977 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tot Ion: 75 Resp: 6537
 Ion Ratio Lower Upper
 75 100
 155 84.2 71.1 106.7
 157 114.3 88.3 132.5

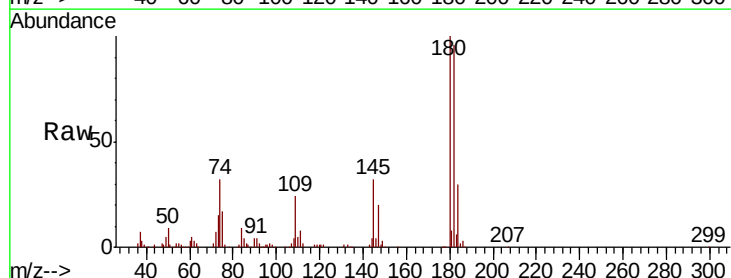


Abundance Ion 75.05 (74.75 to 75.75): VV017299.D (-3441) (-)
 Ion 154.95 (154.65 to 155.65): VV017299.D (-3441) (-)
 Ion 156.90 (156.60 to 157.60): VV017299.D (-3441) (-)

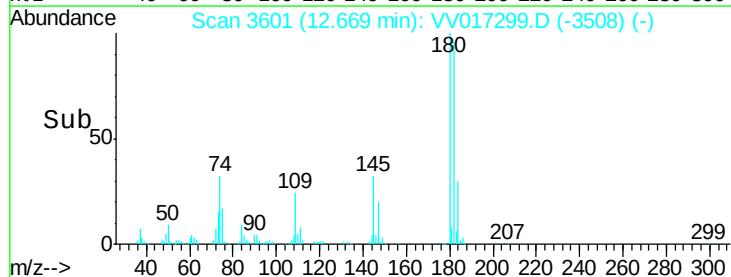
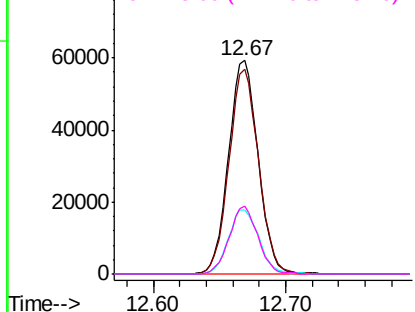


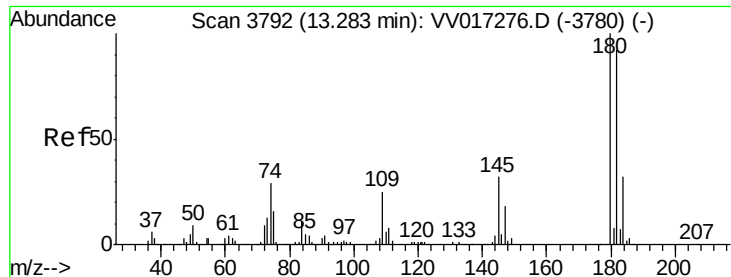
#68
 1,3,5-Trichlorobenzene
 Concen: 4.367 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

Tgt Ion: 180 Resp: 91791
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.4 116.2
 184 30.7 24.2 36.4
 145 30.7 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): VV017299.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV017299.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV017299.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV017299.D (-3508) (-)

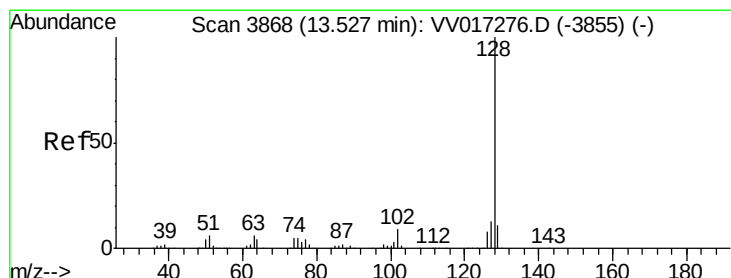
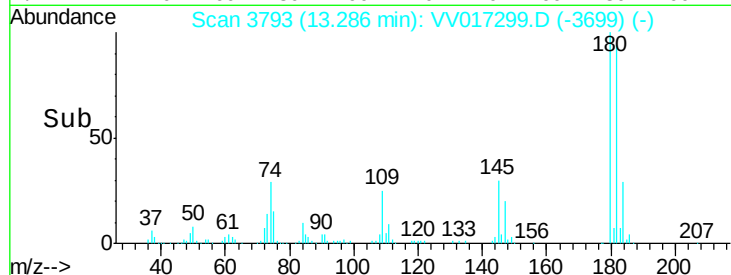
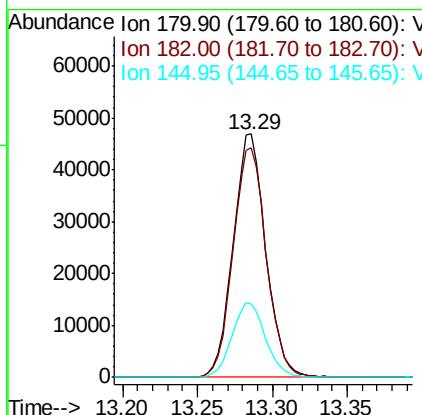
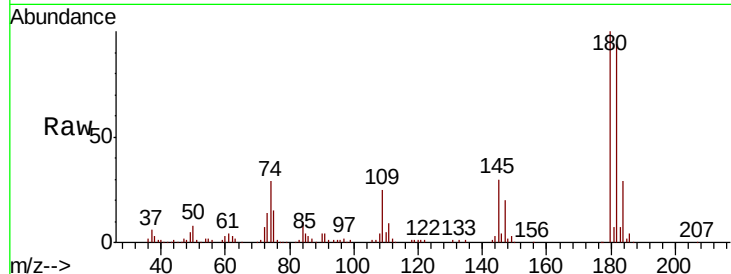




#69
 1,2,4-trichlorobenzene
 Concen: 4.104 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

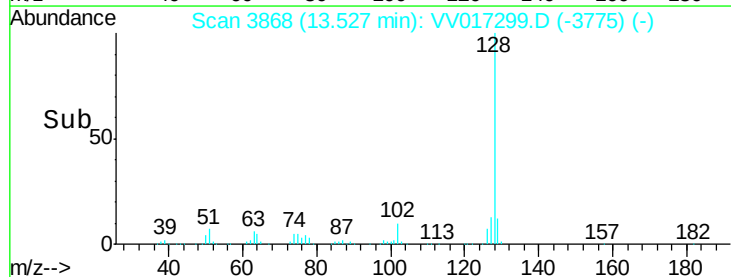
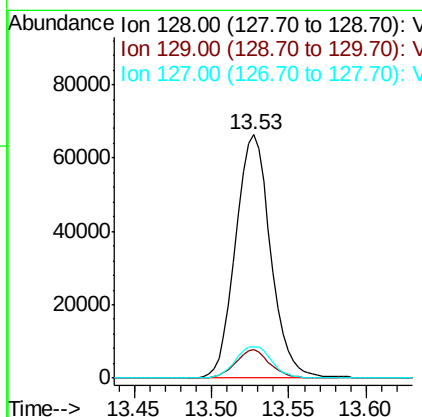
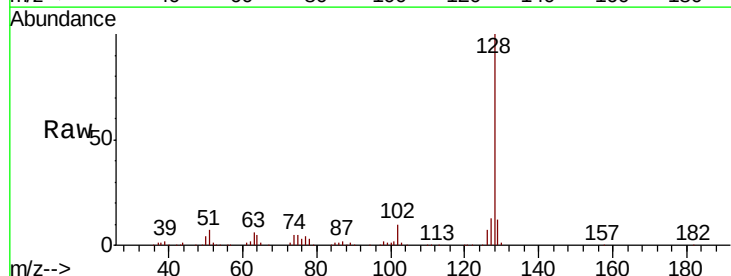
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

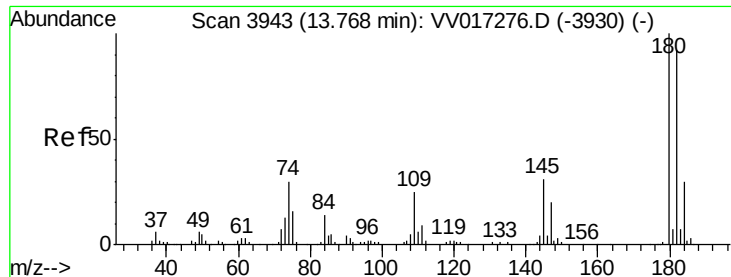
Tot Ion:180 Resp: 71009
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.6 114.8
 145 31.4 25.0 37.6



#70
 Naphthalene
 Concen: 4.273 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV017299.D
 Acq: 02 Jul 2020 09:46

Tgt Ion:128 Resp: 104419
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.8 13.2
 127 13.6 10.5 15.7





#71

1,2,3-Trichlorobenzene

Concen: 4.700 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017299.D

Acq: 02 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

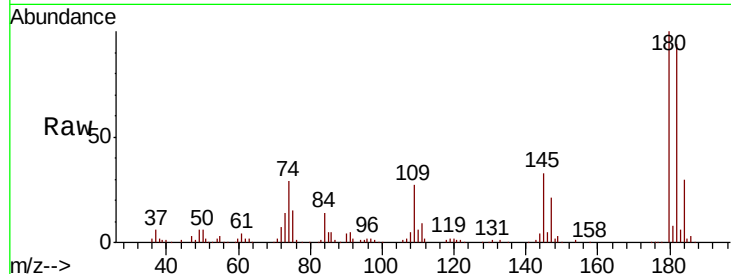
Tot Ion:180 Resp: 66330

Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.0

145 33.7 25.9 38.9



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

