

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111921\
 Data File : VW023640.D
 Acq On : 19 Nov 2021 13:53
 Operator : SY/MD
 Sample : M4694-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:47:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 22 01:44:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	103615	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	103780	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	45923	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	30524	4.702	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.000%
7) Chloroethane-d5	1.568	69	27162	5.134	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.600%
11) 1,1-Dichloroethene-d2	2.108	63	45383	3.735	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.600%
20) 2-Butanone-d5	3.915	46	40180	35.930	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.860%
24) Chloroform-d	4.349	84	65283	4.719	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.037	65	31844	5.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.050	84	120674	4.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.072	67	37442	4.777	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.317	98	101931	4.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
43) trans-1,3-Dichloroprop...	7.629	79	12468	4.195	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.092	63	45245	41.374	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.740%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	25041	4.442	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	40122	5.247	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%

Target Compounds				Qvalue		
3) Chloromethane	1.237	50	100	0.012	ug/L #	40
5) Vinyl chloride	1.307	62	187	0.022	ug/L #	1
8) Chloroethane	1.587	64	301	0.061	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	474	0.073	ug/L #	18
12) 1,1-Dichloroethene	2.101	96	198	0.032	ug/L #	1
13) Acetone	2.188	43	20	0.029	ug/L #	47
14) Carbon disulfide	2.294	76	92	0.004	ug/L #	75
15) Methyl Acetate	2.449	43	72	0.037	ug/L #	47
16) Methylene chloride	2.507	84	4328	0.480	ug/L	97
21) 2-Butanone	3.937	43	164	0.148	ug/L #	51
25) Chloroform	4.378	83	2114	0.155	ug/L	85
27) 1,2-Dichloroethane	5.088	62	47	0.006	ug/L #	72
33) Benzene	5.053	78	497	0.017	ug/L	100
35) Methylcyclohexane	6.069	83	9056	0.744	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	4404	0.650	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	997	0.102	ug/L #	54
40) 4-Methyl-2-pentanone	7.320	43	460	0.146	ug/L #	1
42) Toluene	7.407	91	1688	0.054	ug/L	99
44) trans-1,3-Dichloropropene	7.632	75	579	0.072	ug/L #	40

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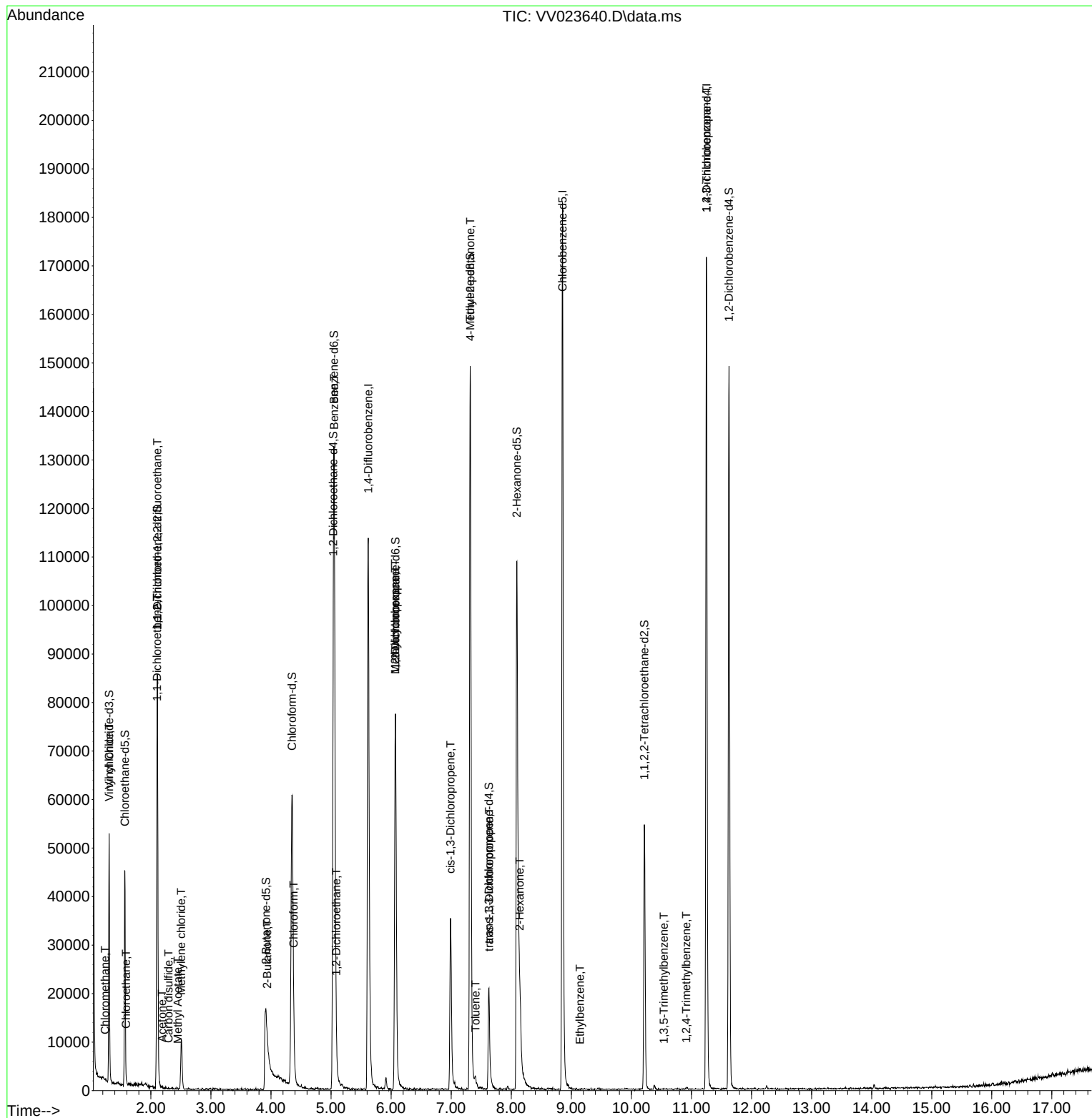
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.140	43	4186	1.902	ug/L #	92
52) Ethylbenzene	9.143	91	109	0.003	ug/L #	42
61) 1,2,3-Trichloropropane	11.249	75	5278	1.730	ug/L #	62
62) 1,3,5-Trimethylbenzene	10.542	105	21	0.001	ug/L #	28
63) 1,2,4-Trimethylbenzene	10.915	105	153	0.007	ug/L #	68

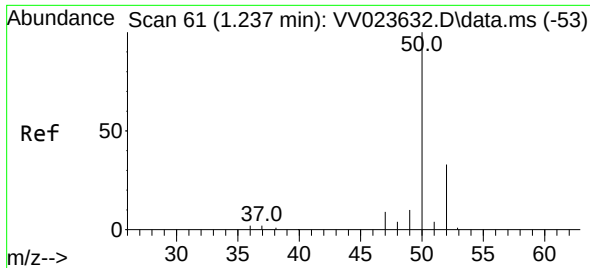
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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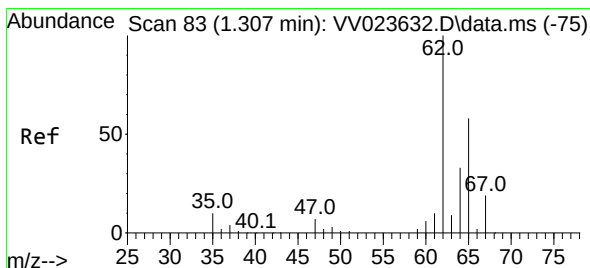
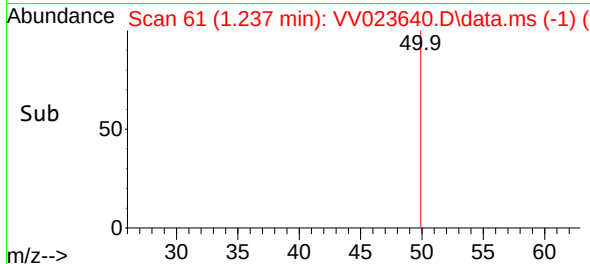
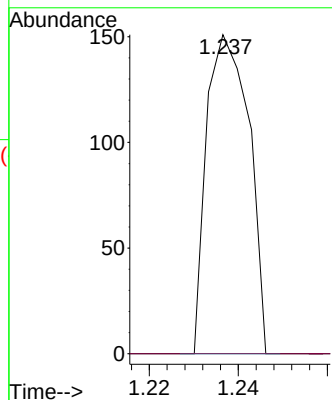
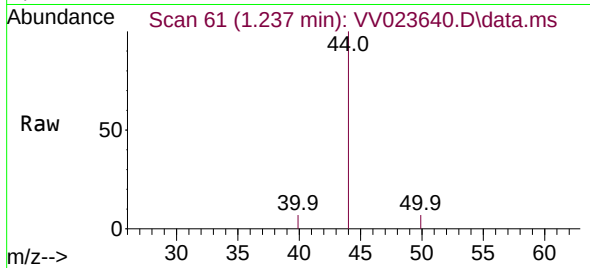




#3
Chloromethane
Concen: 0.012 ug/L
RT: 1.237 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

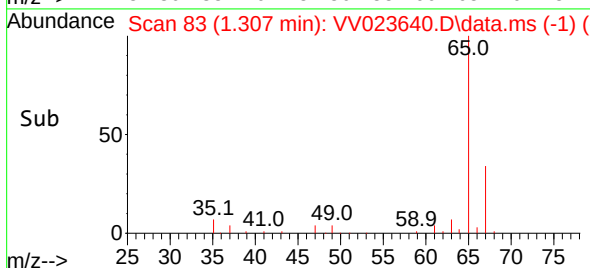
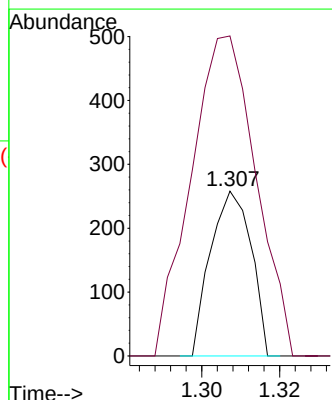
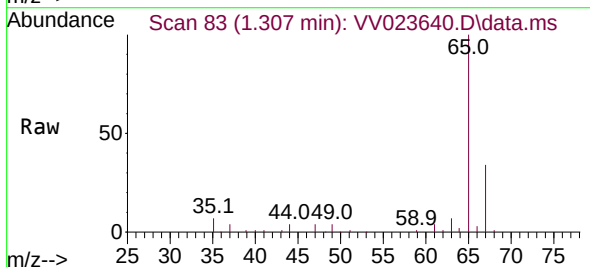
Instrument :
MSVOA_V
ClientSampleId :

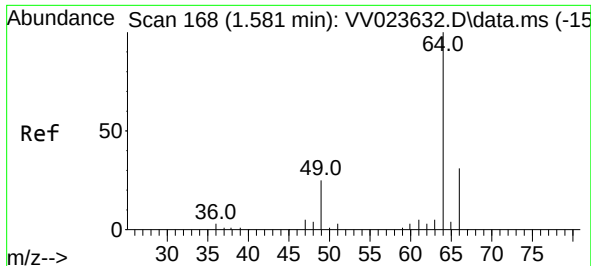
Tgt Ion: 50 Resp: 100
Ion Ratio Lower Upper
50 100
52 0.0 24.3 45.1#



#5
Vinyl chloride
Concen: 0.022 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.000 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

Tgt Ion: 62 Resp: 187
Ion Ratio Lower Upper
62 100
64 194.2 23.1 42.9#





#8

Chloroethane

Concen: 0.061 ug/L

RT: 1.587 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV023640.D

Acq: 19 Nov 2021 13:53

Instrument :

MSVOA_V

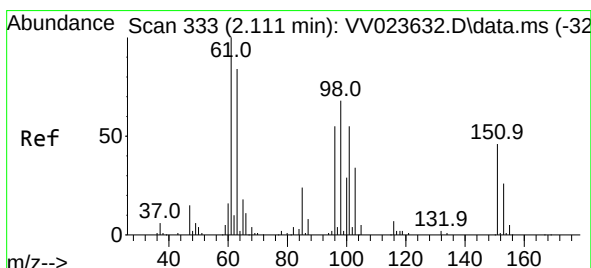
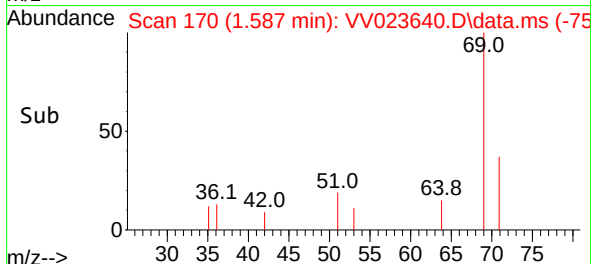
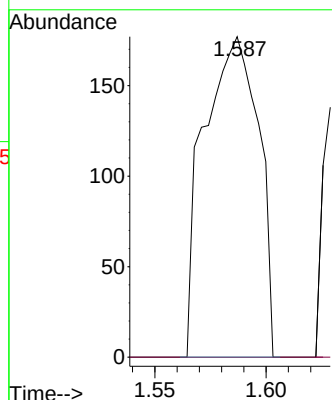
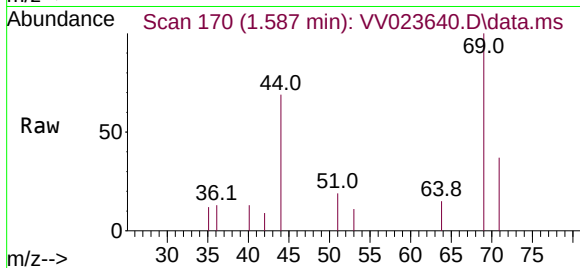
ClientSampleId :

Tgt Ion: 64 Resp: 301

Ion Ratio Lower Upper

64 100

66 0.0 22.1 41.1#



#10

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

Concen: 0.073 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.003 min

Lab File: VV023640.D

Acq: 19 Nov 2021 13:53

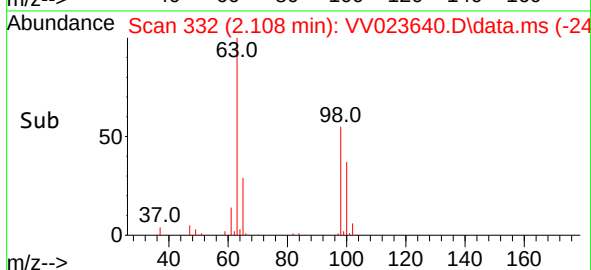
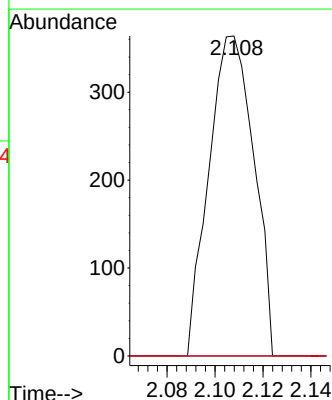
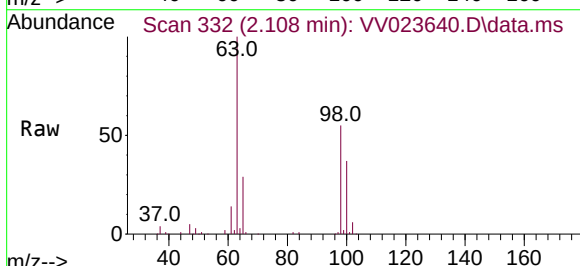
Tgt Ion:101 Resp: 474

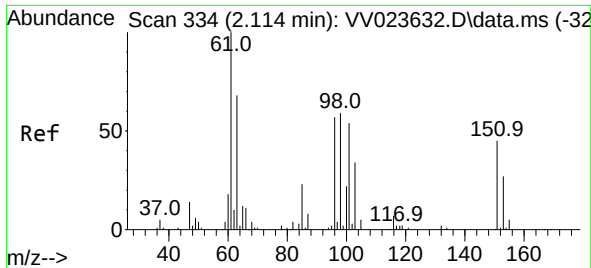
Ion Ratio Lower Upper

101 100

85 0.0 35.3 52.9#

151 0.0 62.2 93.2#

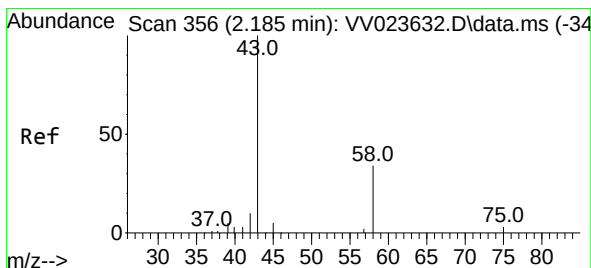
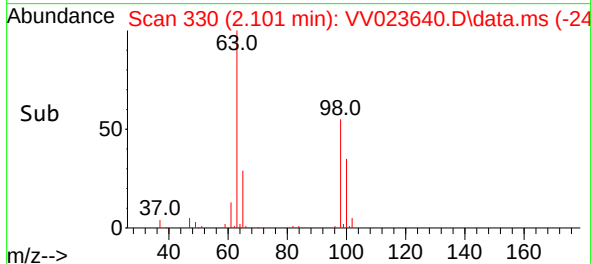
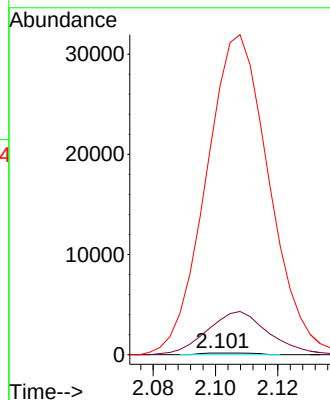
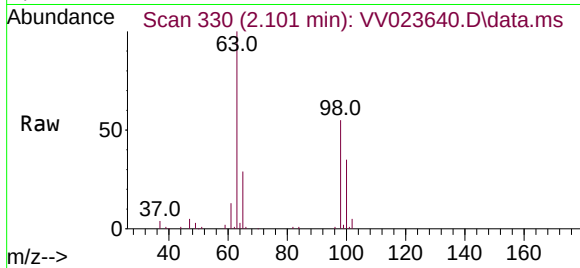




#12
1,1-Dichloroethene
Concen: 0.032 ug/L
RT: 2.101 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

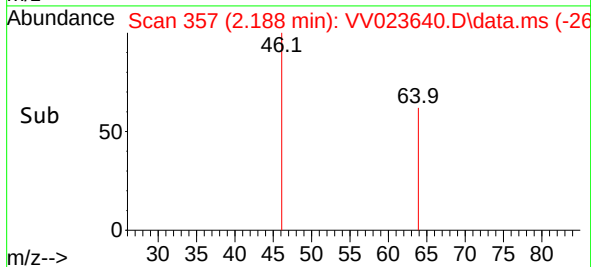
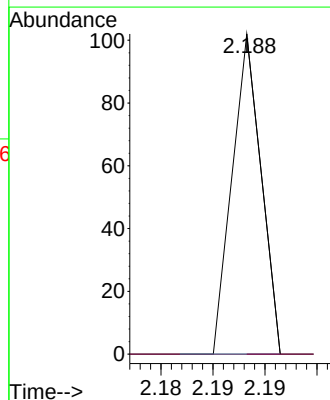
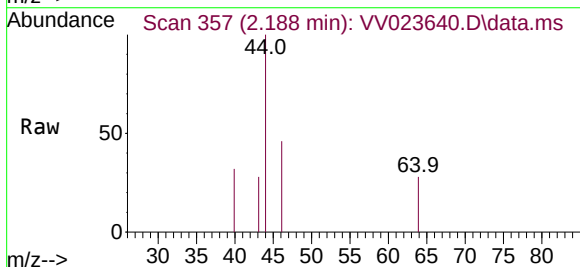
Instrument :
MSVOA_V
ClientSampleId :

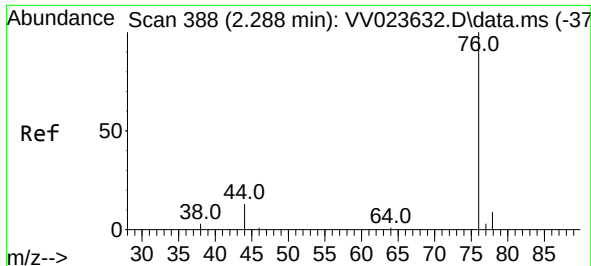
Tgt Ion: 96 Resp: 198
Ion Ratio Lower Upper
96 100
61 2054.8 121.5 225.7#
63 15961.9 99.6 185.0#



#13
Acetone
Concen: 0.029 ug/L
RT: 2.188 min Scan# 357
Delta R.T. 0.003 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 0.0 55.4

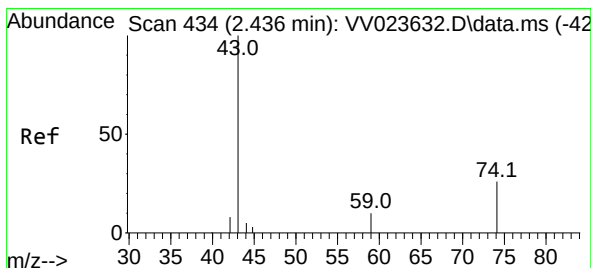
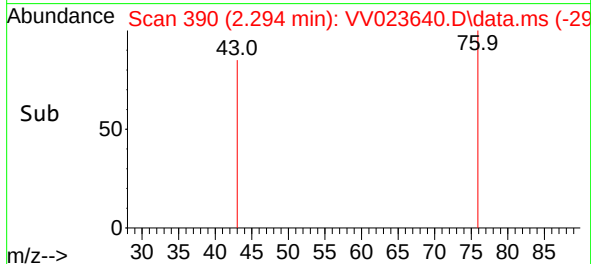
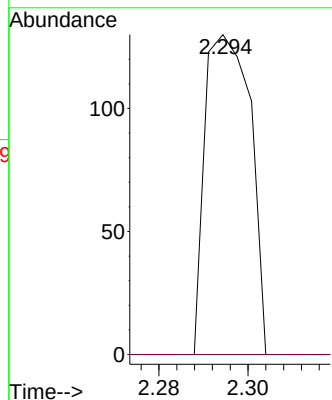
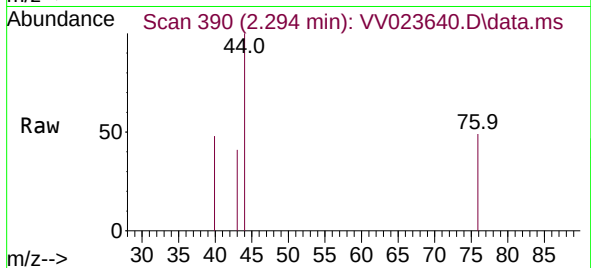




#14
Carbon disulfide
Concen: 0.004 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.006 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

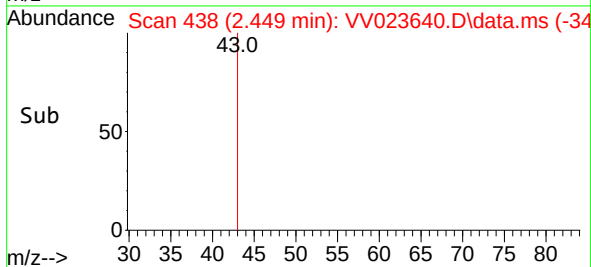
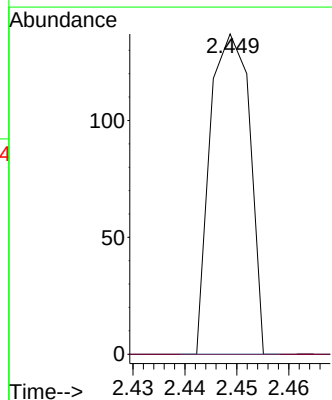
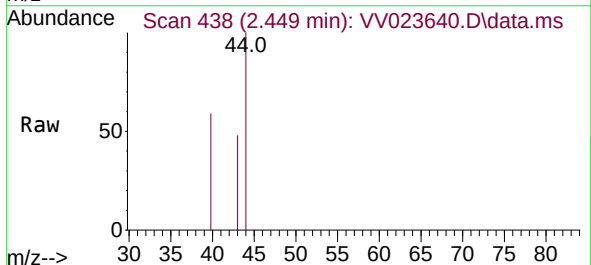
Instrument :
MSVOA_V
ClientSampleId :

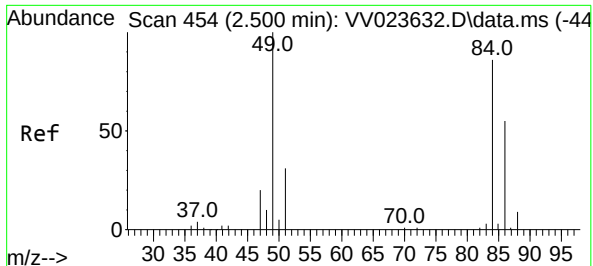
Tgt Ion: 76 Resp: 92
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#15
Methyl Acetate
Concen: 0.037 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.013 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

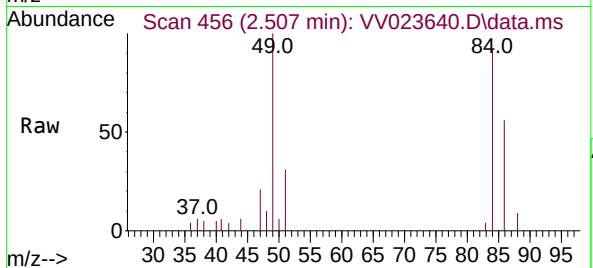
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#





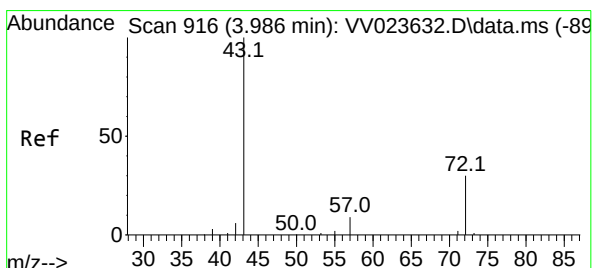
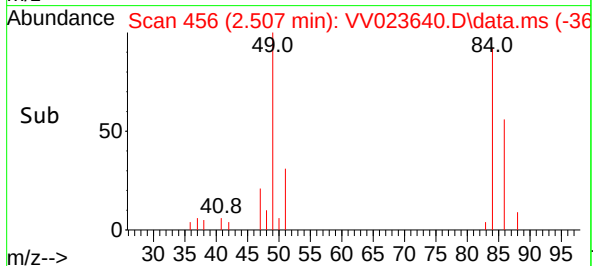
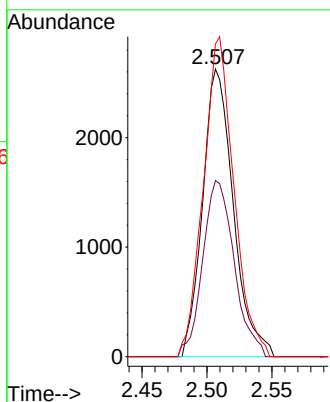
#16
Methylene chloride
Concen: 0.480 ug/L
RT: 2.507 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 4328

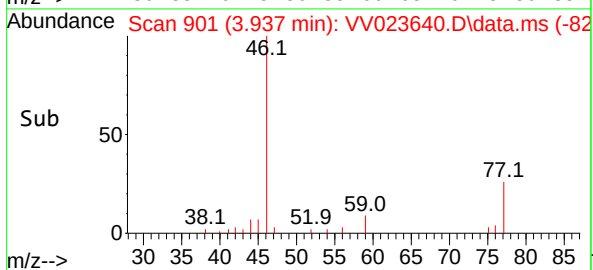
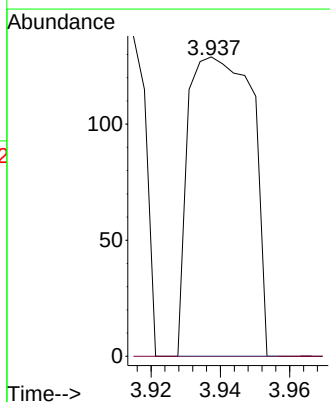
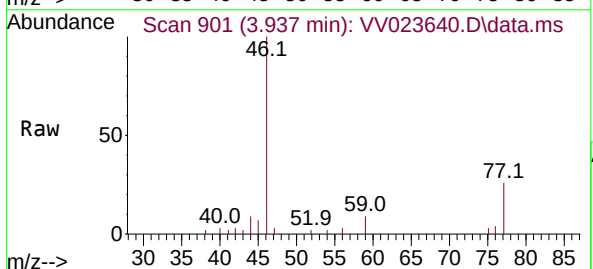
Ion	Ratio	Lower	Upper
84	100		
86	61.3	42.3	78.5
49	108.8	79.7	148.1

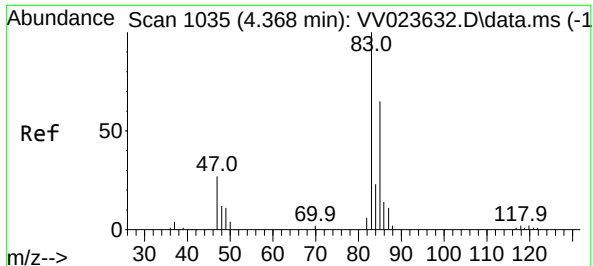


#21
2-Butanone
Concen: 0.148 ug/L
RT: 3.937 min Scan# 901
Delta R.T. -0.048 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

Tgt Ion: 43 Resp: 164

Ion	Ratio	Lower	Upper
43	100		
72	0.0	11.9	35.9#





#25

Chloroform

Concen: 0.155 ug/L

RT: 4.378 min Scan# 1035

Delta R.T. 0.010 min

Lab File: VV023640.D

Acq: 19 Nov 2021 13:53

Instrument :

MSVOA_V

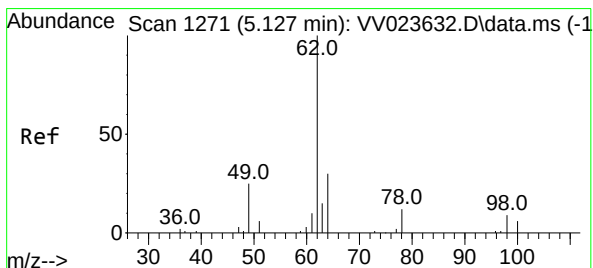
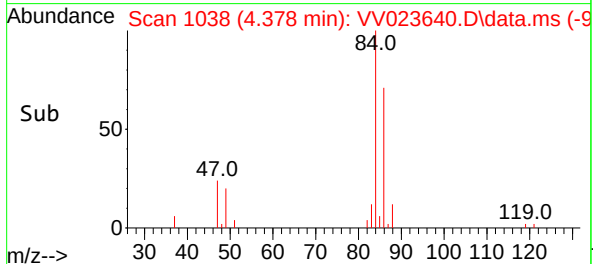
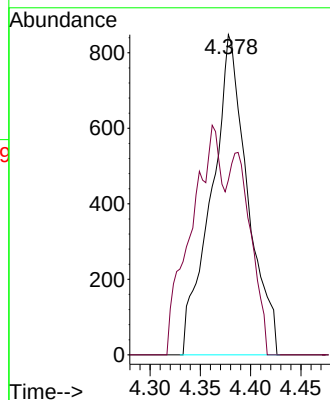
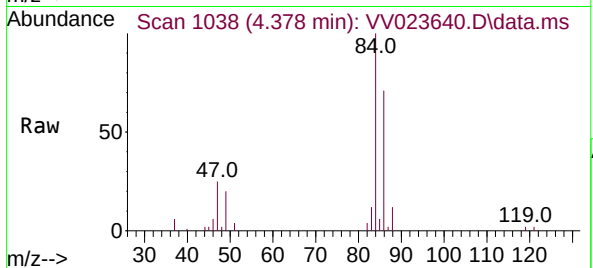
ClientSampleId :

Tgt Ion: 83 Resp: 2114

Ion Ratio Lower Upper

83 100

85 54.6 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.006 ug/L

RT: 5.088 min Scan# 1259

Delta R.T. -0.039 min

Lab File: VV023640.D

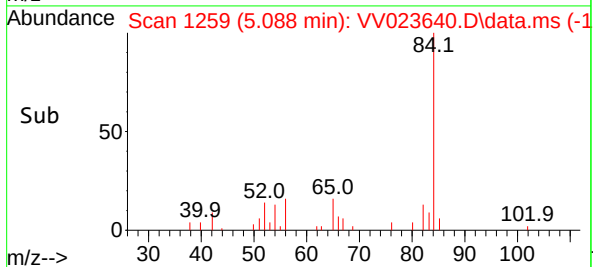
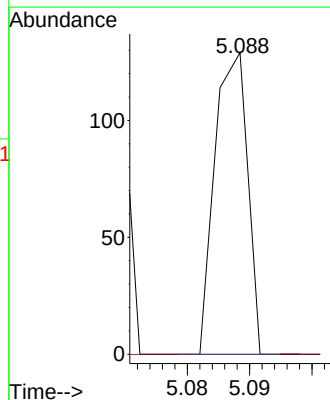
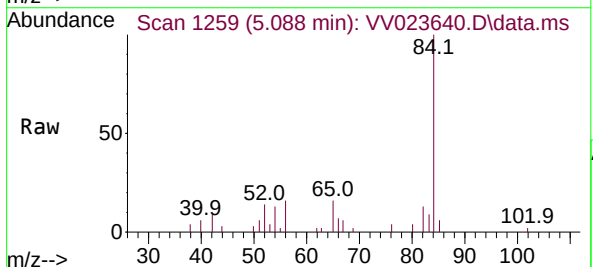
Acq: 19 Nov 2021 13:53

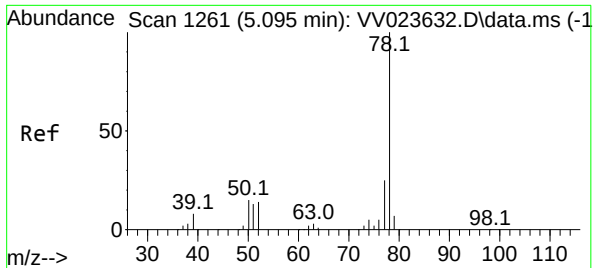
Tgt Ion: 62 Resp: 47

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

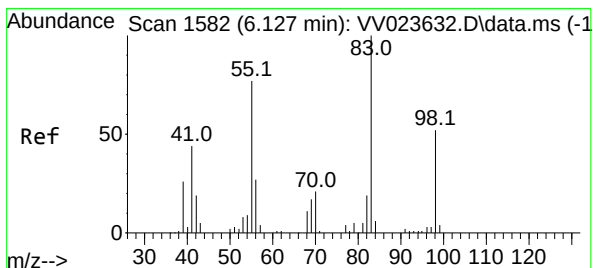
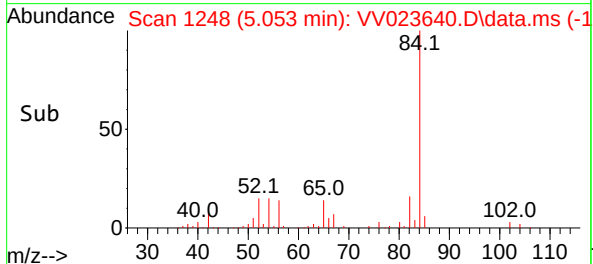
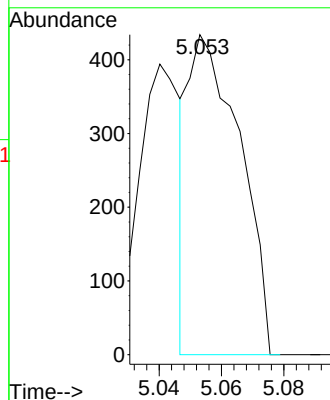
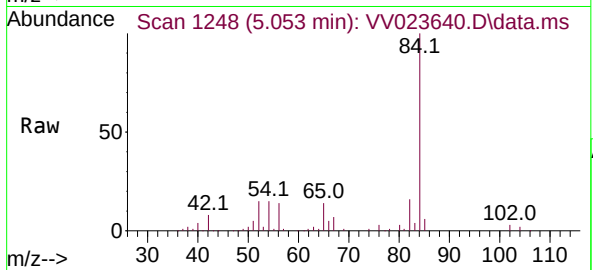




#33
Benzene
Concen: 0.017 ug/L
RT: 5.053 min Scan# 11
Delta R.T. -0.042 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

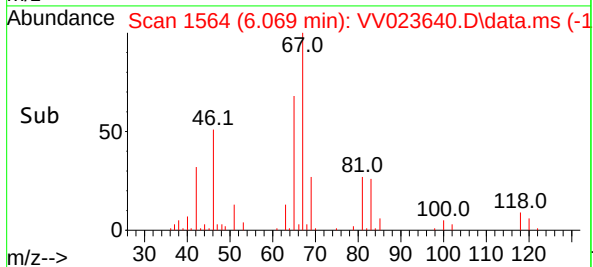
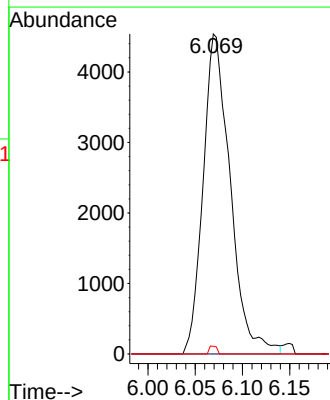
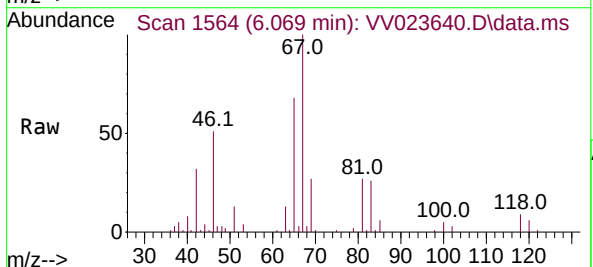
Instrument :
MSVOA_V
ClientSampleId :

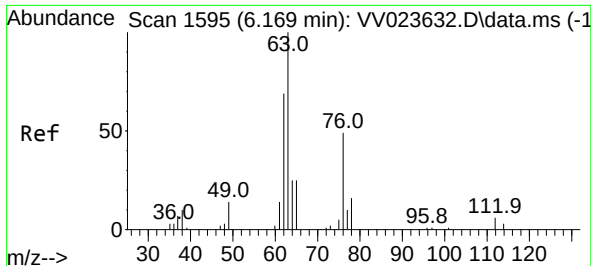
Tgt Ion: 78 Resp: 497



#35
Methylcyclohexane
Concen: 0.744 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

Tgt Ion: 83 Resp: 9056
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 0.7 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.650 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023640.D

Acq: 19 Nov 2021 13:53

Instrument :

MSVOA_V

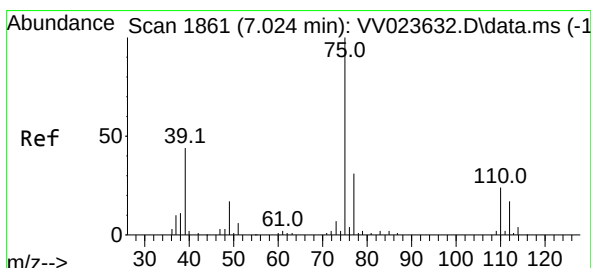
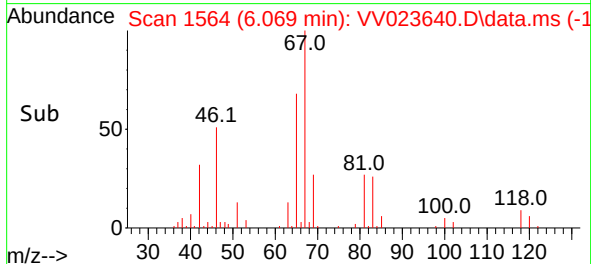
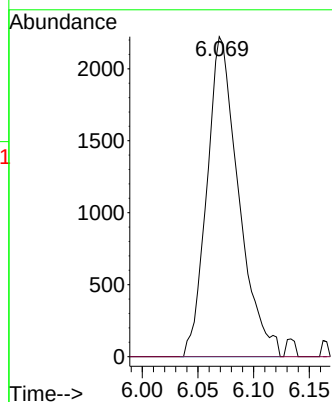
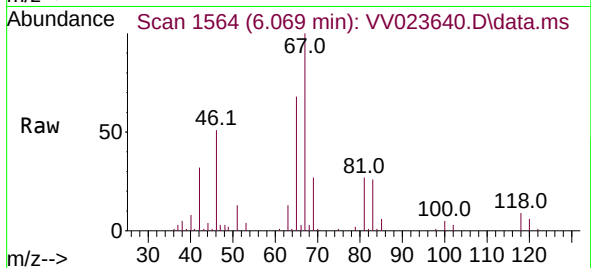
ClientSampleId :

Tgt Ion: 63 Resp: 4404

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV023640.D

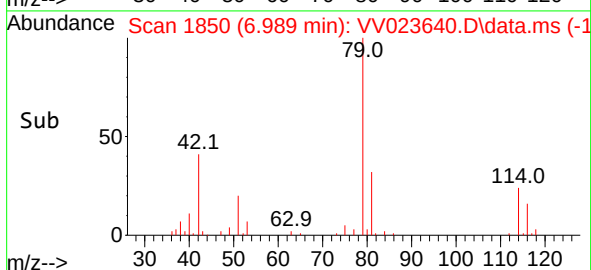
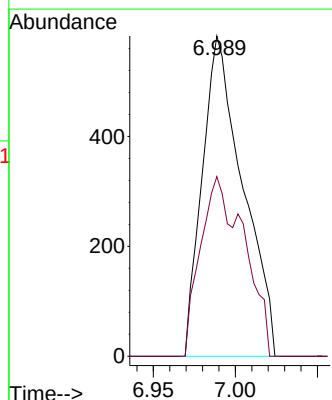
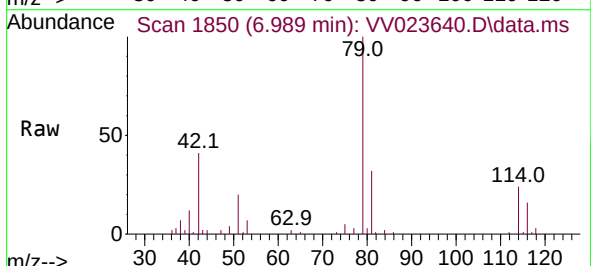
Acq: 19 Nov 2021 13:53

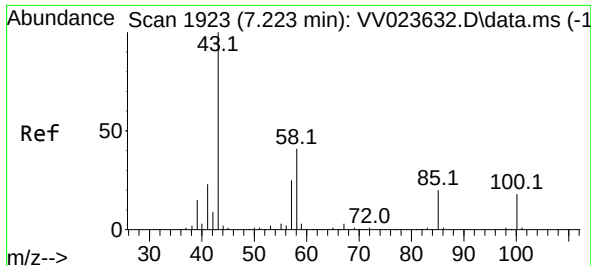
Tgt Ion: 75 Resp: 997

Ion Ratio Lower Upper

75 100

77 56.1 21.6 40.2#





#40

4-Methyl-2-pentanone

Concen: 0.146 ug/L

RT: 7.320 min Scan# 19

Delta R.T. 0.096 min

Lab File: VV023640.D

Acq: 19 Nov 2021 13:53

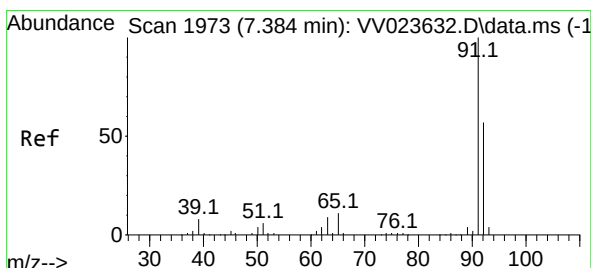
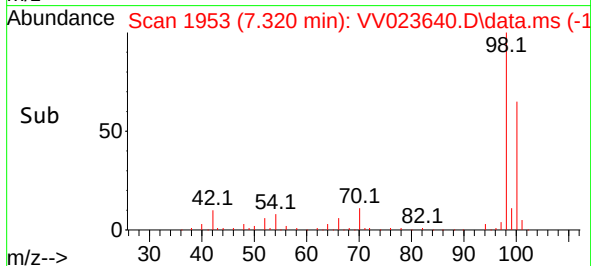
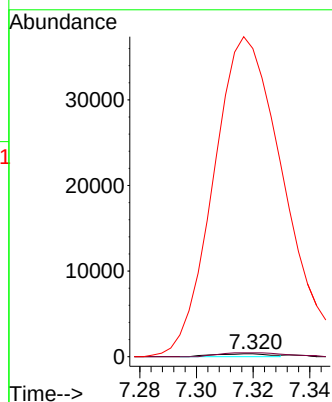
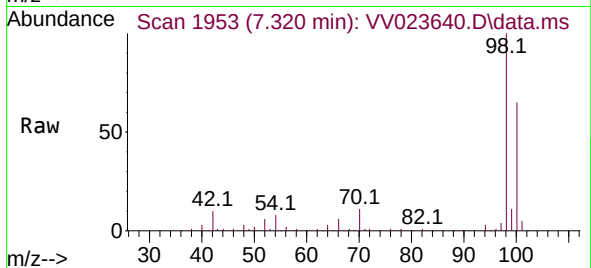
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 460

Ion	Ratio	Lower	Upper
43	100		
58	163.7	31.1	46.7#
100	14451.5	12.6	19.0#



#42

Toluene

Concen: 0.054 ug/L

RT: 7.407 min Scan# 1980

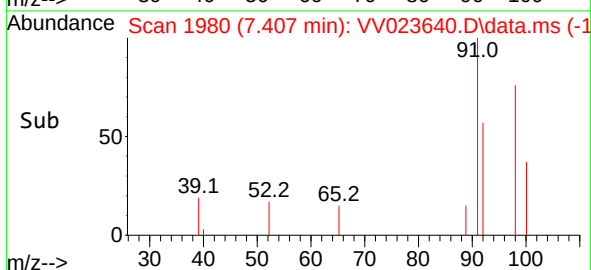
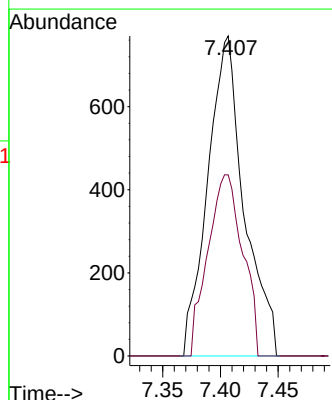
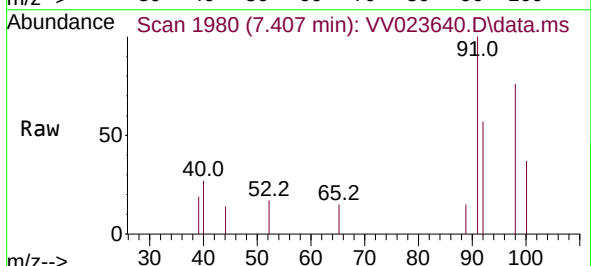
Delta R.T. 0.022 min

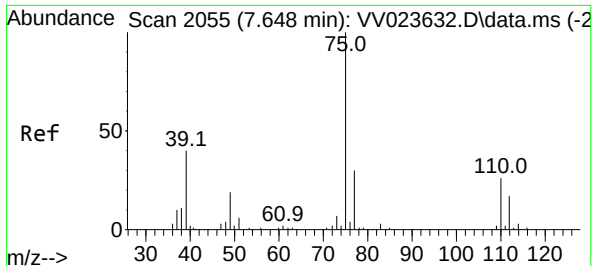
Lab File: VV023640.D

Acq: 19 Nov 2021 13:53

Tgt Ion: 91 Resp: 1688

Ion	Ratio	Lower	Upper
91	100		
92	56.6	39.3	72.9

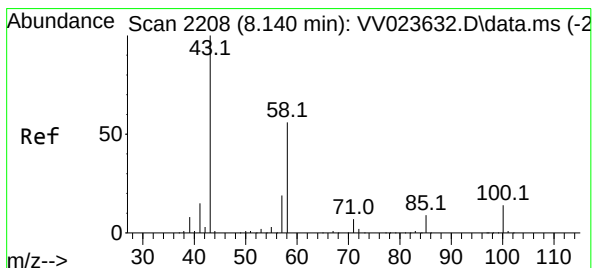
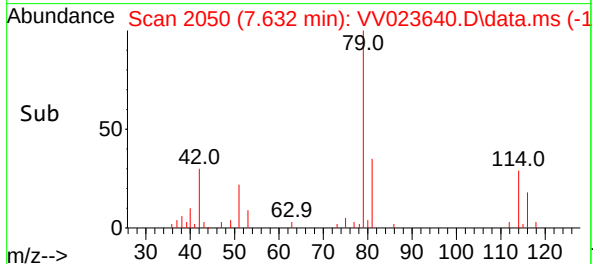
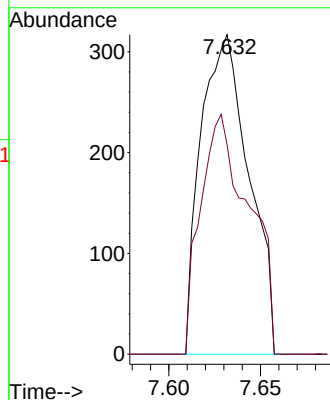
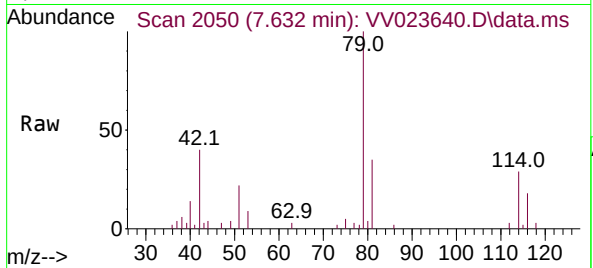




#44
trans-1,3-Dichloropropene
Concen: 0.072 ug/L
RT: 7.632 min Scan# 2050
Delta R.T. -0.016 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

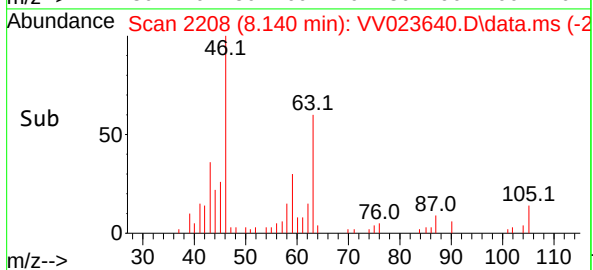
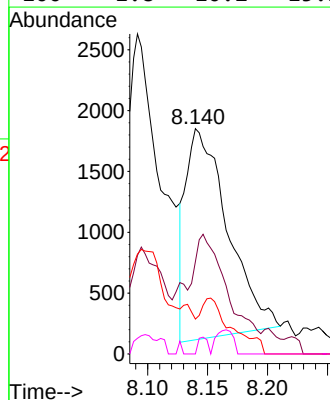
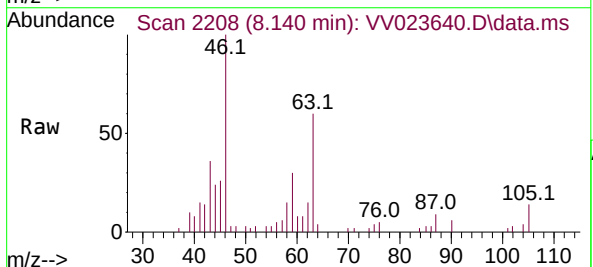
Instrument :
MSVOA_V
ClientSampleId :

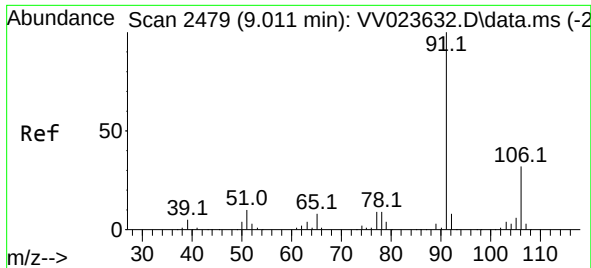
Tgt Ion: 75 Resp: 579
Ion Ratio Lower Upper
75 100
77 65.6 22.5 41.7#



#48
2-Hexanone
Concen: 1.902 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

Tgt Ion: 43 Resp: 4186
Ion Ratio Lower Upper
43 100
58 58.0 43.7 65.5
57 19.9 14.1 21.1
100 1.8 10.2 15.2#

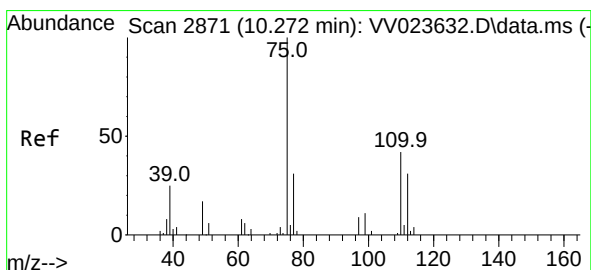
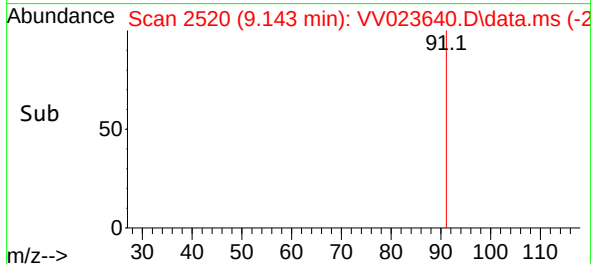
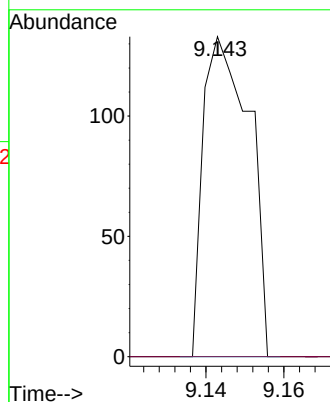
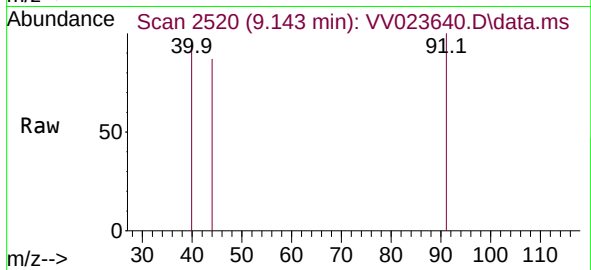




#52
Ethylbenzene
Concen: 0.003 ug/L
RT: 9.143 min Scan# 21
Delta R.T. 0.132 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

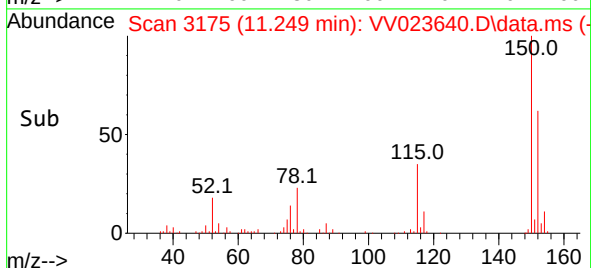
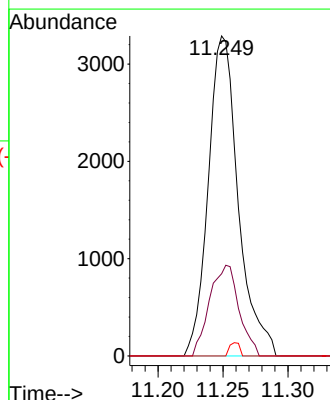
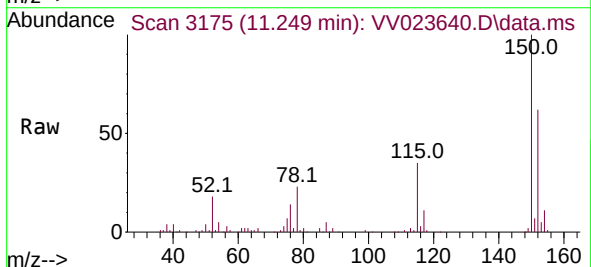
Instrument :
MSVOA_V
ClientSampleId :

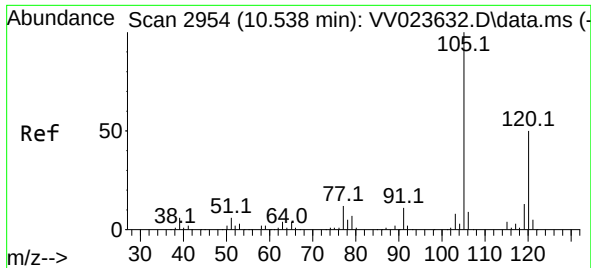
Tgt Ion: 91 Resp: 109
Ion Ratio Lower Upper
91 100
106 0.0 22.5 41.9#



#61
1,2,3-Trichloropropane
Concen: 1.730 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

Tgt Ion: 75 Resp: 5278
Ion Ratio Lower Upper
75 100
77 27.8 26.6 39.8
110 1.4 31.8 47.6#

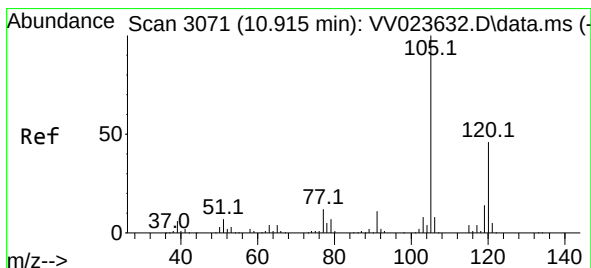
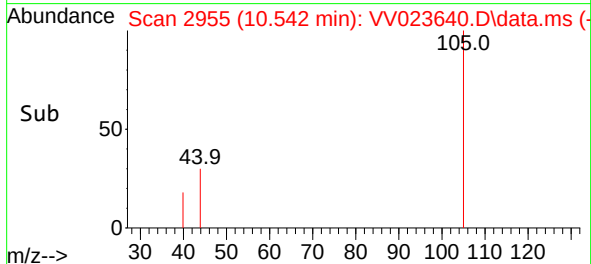
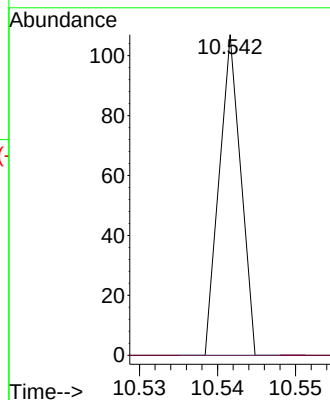
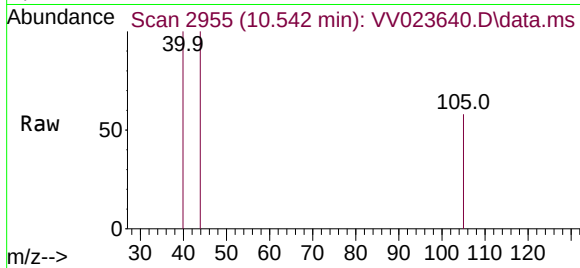




#62
1,3,5-Trimethylbenzene
Concen: 0.001 ug/L
RT: 10.542 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 21
Ion Ratio Lower Upper
105 100
120 0.0 39.7 59.5#



#63
1,2,4-Trimethylbenzene
Concen: 0.007 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV023640.D
Acq: 19 Nov 2021 13:53

Tgt Ion:105 Resp: 153
Ion Ratio Lower Upper
105 100
120 68.0 37.4 56.2#

