

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092622\
 Data File : VU050942.D
 Acq On : 26 Sep 2022 13:16
 Operator : JC/MD
 Sample : N4747-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45A7

Quant Time: Sep 26 20:54:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 26 20:52:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	3754	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.420	117	3682	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	3380	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	1240	31.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.760%
7) Chloroethane-d5	1.909	69	536	19.350	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	38.700%#
11) 1,1-Dichloroethene-d2	2.568	63	2076	34.303	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.600%
21) 2-Butanone-d5	4.671	46	64	2.549	ug/L	0.05
Spiked Amount	100.000	Range	40 - 130	Recovery	=	2.550%#
24) Chloroform-d	5.073	84	622	10.205	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	20.400%#
26) 1,2-Dichloroethane-d4	5.703	65	1903	50.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.320%
32) Benzene-d6	5.732	84	2487	20.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	41.020%#
36) 1,2-Dichloropropane-d6	6.690	67	525	12.825	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	25.640%#
41) Toluene-d8	7.899	98	3937	37.138	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.280%#
43) trans-1,3-Dichloroprop...	8.179	79	103	5.784	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	11.560%#
47) 2-Hexanone-d5	8.639	63	266	15.768	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	15.770%#
56) 1,1,2,2-Tetrachloroeth...	10.761	84	2040	32.686	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	65.380%
66) 1,2-Dichlorobenzene-d4	12.195	152	3428	48.439	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	127	3.267	ug/L	# 42
3) Chloromethane	1.517	50	373	8.254	ug/L	# 36
5) Vinyl chloride	1.600	62	264	5.967	ug/L	# 66
6) Bromomethane	1.938	94	43	1.924	ug/L	# 4
8) Chloroethane	1.935	64	50	2.041	ug/L	# 42
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	94	3.060	ug/L	# 21
12) 1,1-Dichloroethene	2.578	96	39	1.351	ug/L	# 1
13) Acetone	2.623	43	216	10.159	ug/L	# 39
14) Carbon disulfide	2.793	76	707	7.747	ug/L	# 74
15) Methyl Acetate	2.742	43	40	0.997	ug/L	# 50
20) cis-1,2-Dichloroethene	4.668	96	241	7.348	ug/L	# 62
22) 2-Butanone	4.719	43	99	3.532	ug/L	# 45
29) Cyclohexane	5.388	56	90	1.776	ug/L	# 18
34) Trichloroethene	6.539	95	898	28.530	ug/L	# 86
35) Methylcyclohexane	6.755	83	136	2.682	ug/L	# 70
48) 2-Hexanone	8.690	43	2917	68.315	ug/L	# 76
51) Chlorobenzene	9.449	112	106	1.291	ug/L	# 76
52) Ethylbenzene	9.574	91	99	0.738	ug/L	# 45
60) 1,2,3-Trichloropropane	11.803	75	191	2.009	ug/L	# 40

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QLast Update : Mon Sep 26 20:52:47 2022
Response via : Initial Calibration

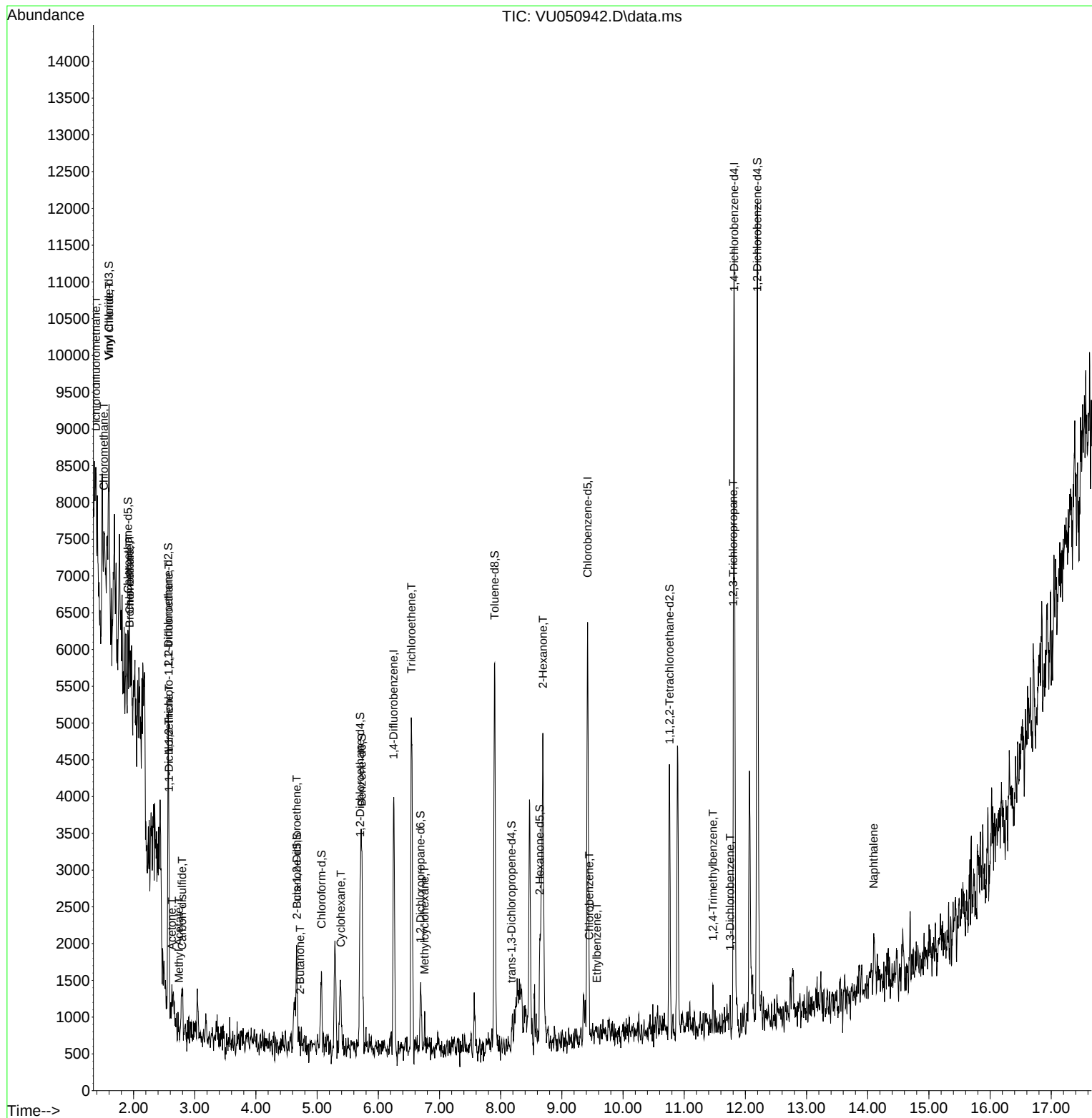
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.471	105	339	1.724	ug/L #	57
64) 1,3-Dichlorobenzene	11.751	146	130	1.177	ug/L #	25
71) Naphthalene	14.098	128	439	1.806	ug/L #	69

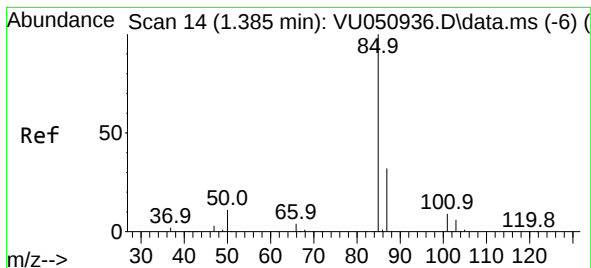
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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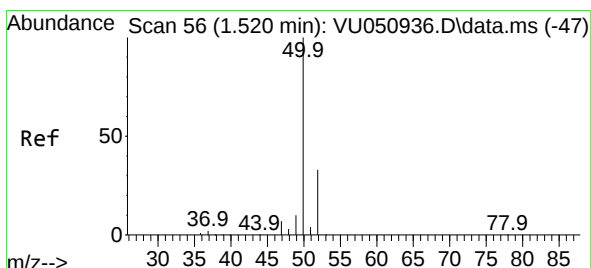
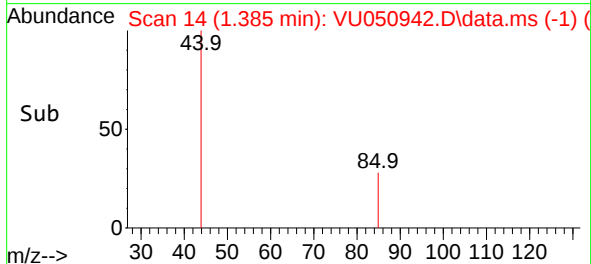
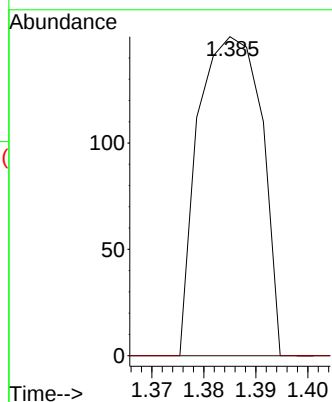
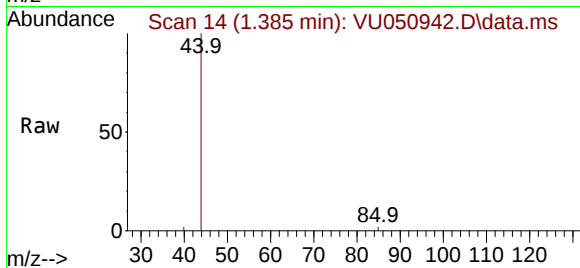




#2
Dichlorodifluoromethane
Concen: 3.267 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

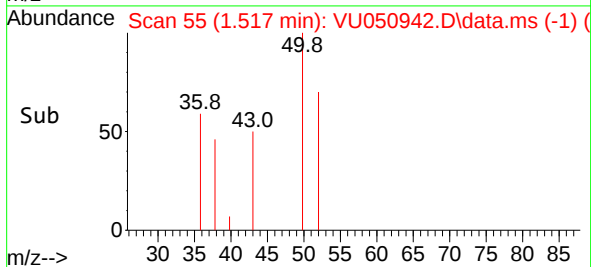
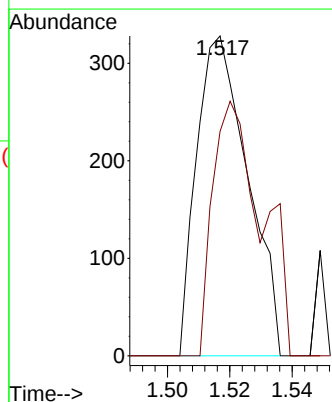
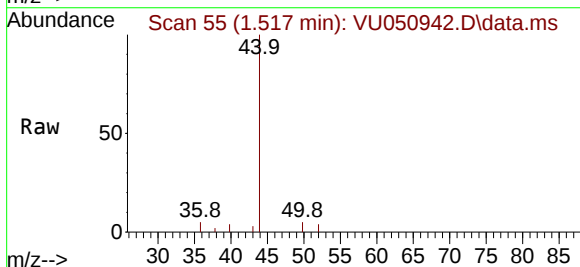
Instrument :
MSVOA_U
ClientSampleId :
E45A7

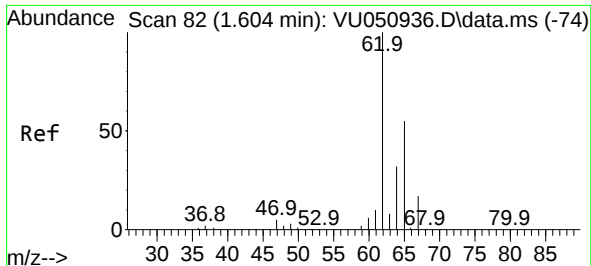
Tgt Ion: 85 Resp: 127
Ion Ratio Lower Upper
85 100
87 0.0 25.8 38.8#



#3
Chloromethane
Concen: 8.254 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

Tgt Ion: 50 Resp: 373
Ion Ratio Lower Upper
50 100
52 70.1 23.7 43.9#

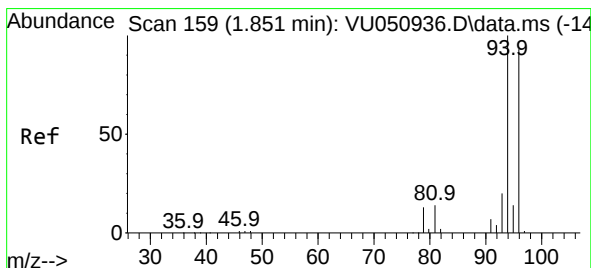
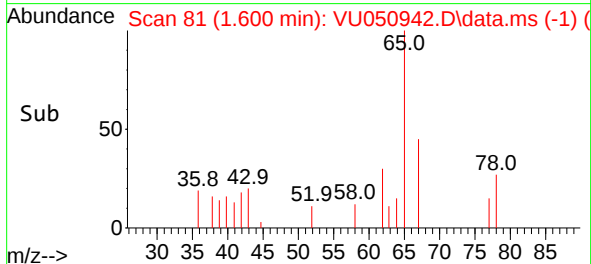
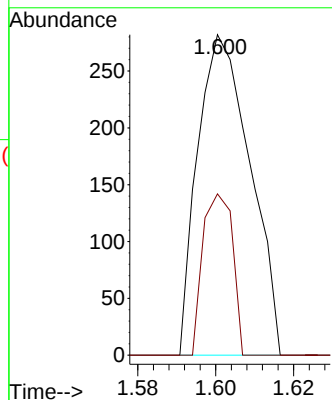
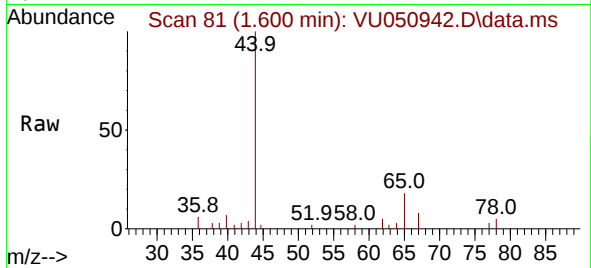




#5
 Vinyl chloride
 Concen: 5.967 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU050942.D
 Acq: 26 Sep 2022 13:16

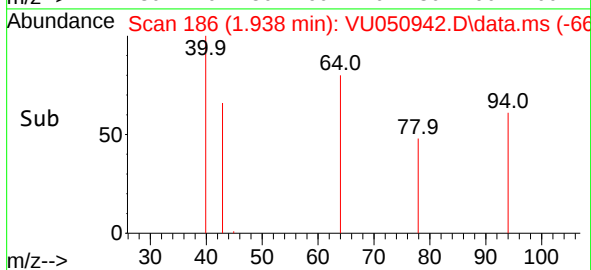
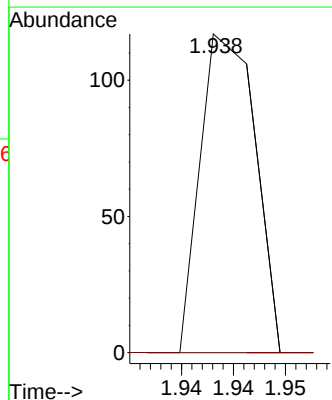
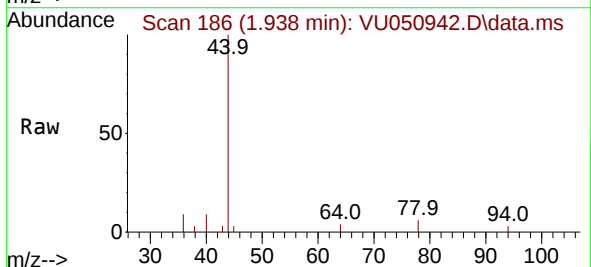
Instrument :
 MSVOA_U
 ClientSampleId :
 E45A7

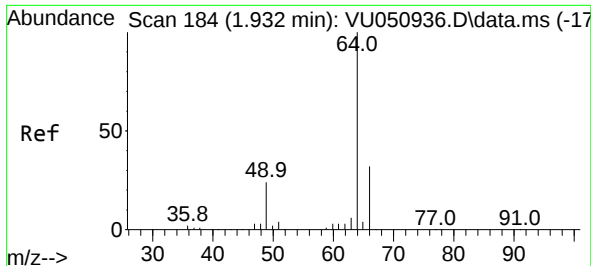
Tgt Ion: 62 Resp: 264
 Ion Ratio Lower Upper
 62 100
 64 50.4 22.2 41.2#



#6
 Bromomethane
 Concen: 1.924 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.087 min
 Lab File: VU050942.D
 Acq: 26 Sep 2022 13:16

Tgt Ion: 94 Resp: 43
 Ion Ratio Lower Upper
 94 100
 96 0.0 64.0 119.0#





#8

Chloroethane

Concen: 2.041 ug/L

RT: 1.935 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU050942.D

Acq: 26 Sep 2022 13:16

Instrument :

MSVOA_U

ClientSampleId :

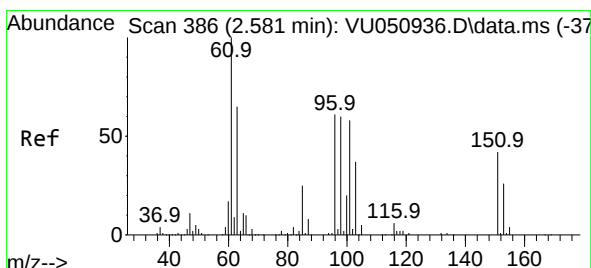
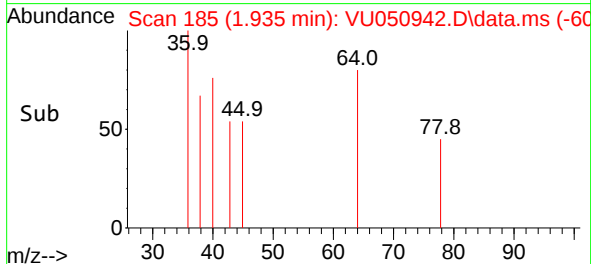
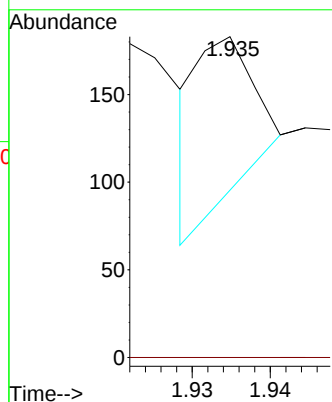
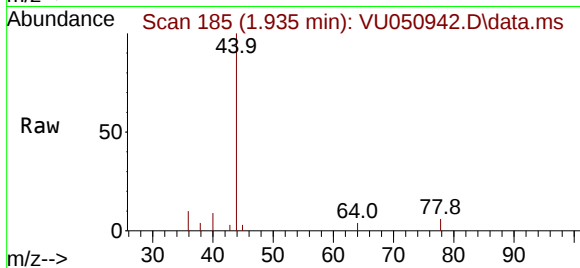
E45A7

Tgt Ion: 64 Resp: 50

Ion Ratio Lower Upper

64 100

66 0.0 22.9 42.5#



#10

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

Concen: 3.060 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.007 min

Lab File: VU050942.D

Acq: 26 Sep 2022 13:16

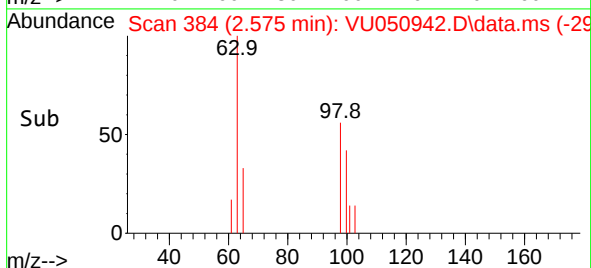
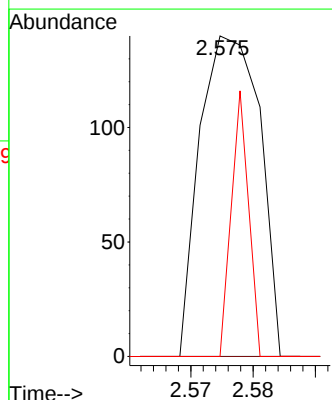
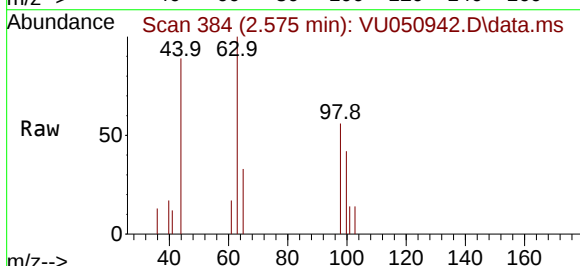
Tgt Ion:101 Resp: 94

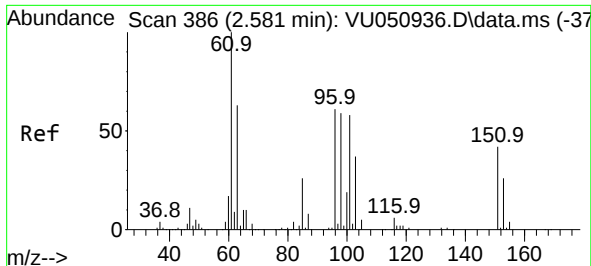
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#





#12

1,1-Dichloroethene

Concen: 1.351 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU050942.D

Acq: 26 Sep 2022 13:16

Instrument :

MSVOA_U

ClientSampleId :

E45A7

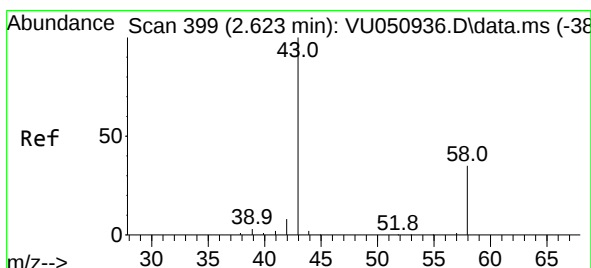
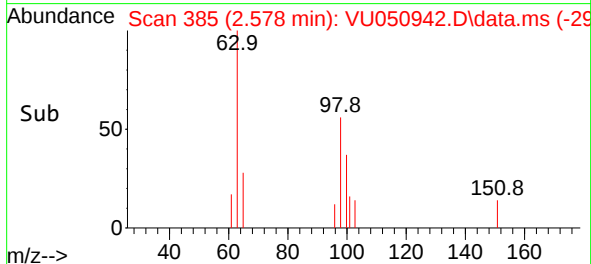
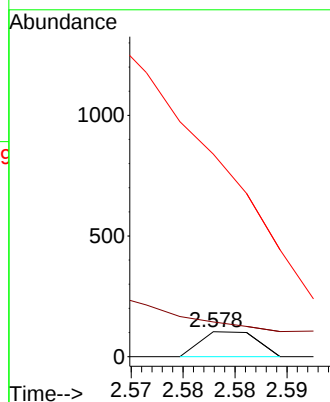
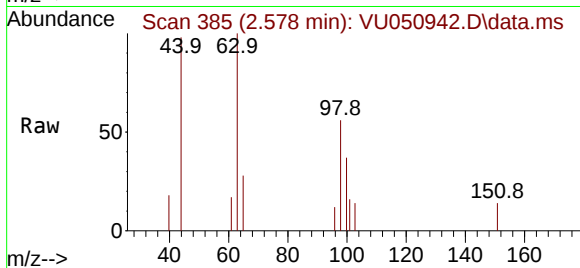
Tgt Ion: 96 Resp: 39

Ion Ratio Lower Upper

96 100

61 139.8 118.6 220.2

63 814.6 90.4 168.0#



#13

Acetone

Concen: 10.159 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU050942.D

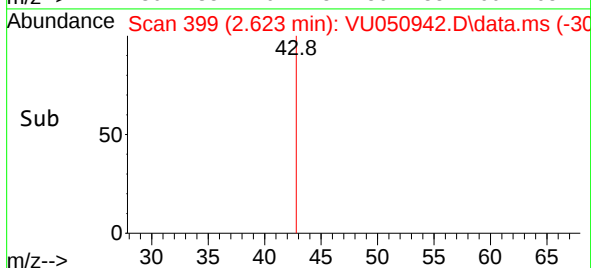
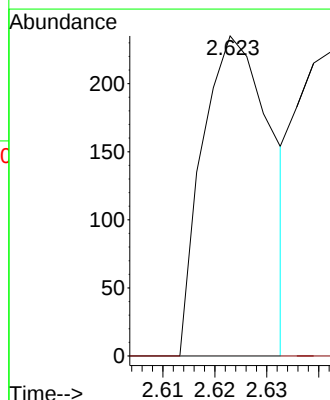
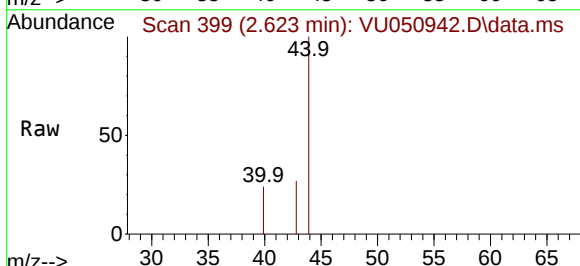
Acq: 26 Sep 2022 13:16

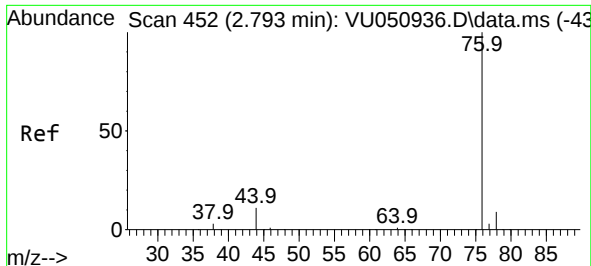
Tgt Ion: 43 Resp: 216

Ion Ratio Lower Upper

43 100

58 0.0 0.0 71.4

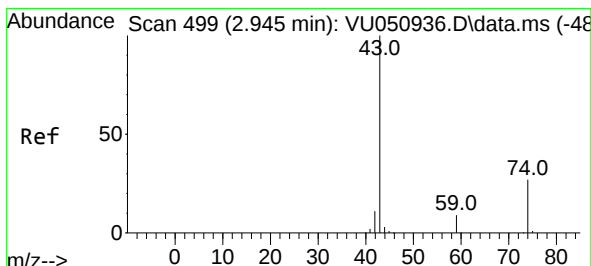
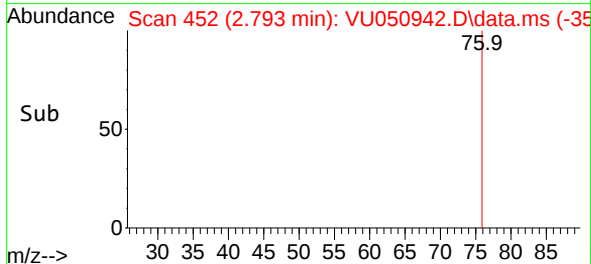
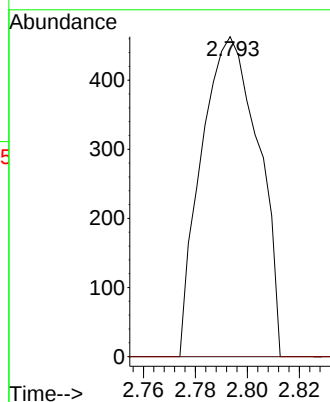
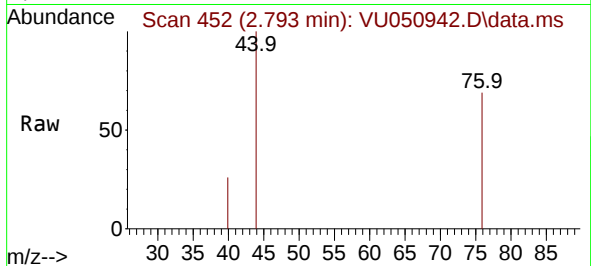




#14
Carbon disulfide
Concen: 7.747 ug/L
RT: 2.793 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

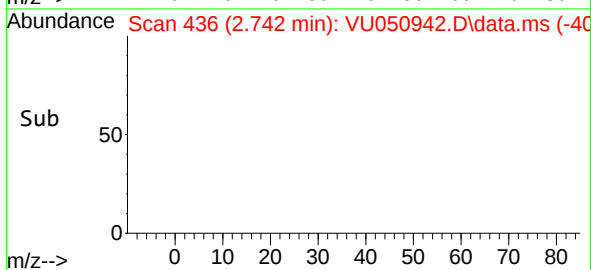
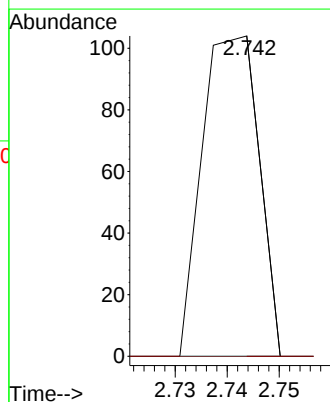
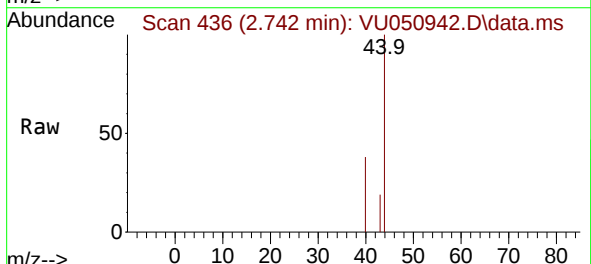
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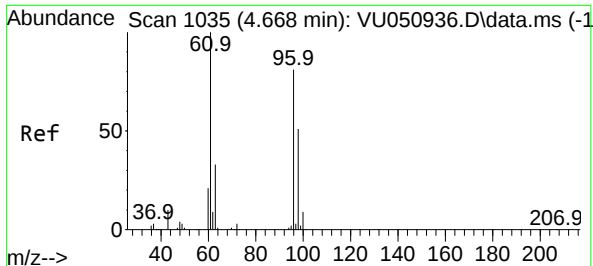
Tgt Ion: 76 Resp: 707
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#15
Methyl Acetate
Concen: 0.997 ug/L
RT: 2.742 min Scan# 436
Delta R.T. -0.203 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

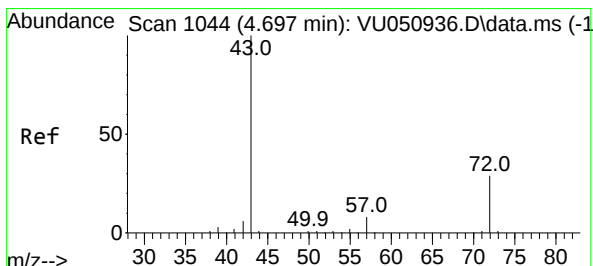
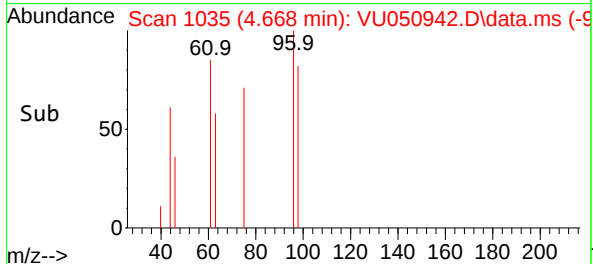
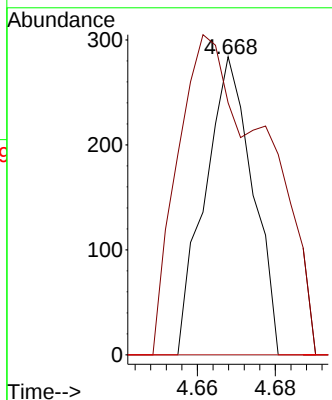
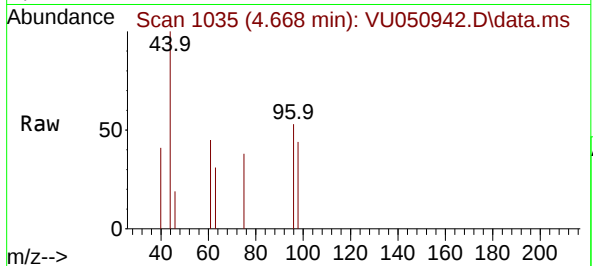




#20
 cis-1,2-Dichloroethene
 Concen: 7.348 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU050942.D
 Acq: 26 Sep 2022 13:16

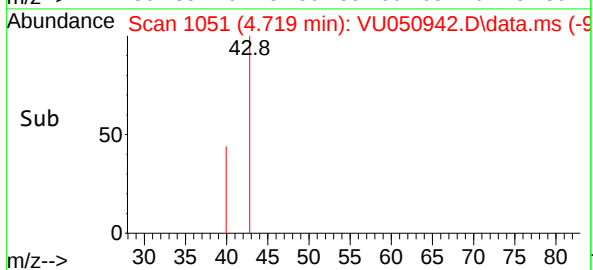
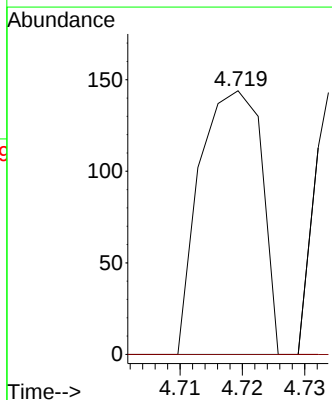
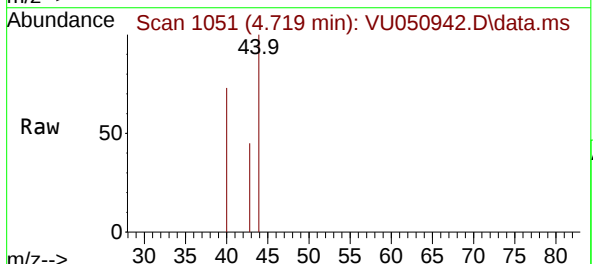
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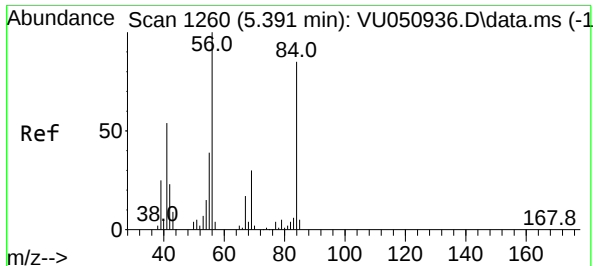
Tgt Ion: 96 Resp: 241
 Ion Ratio Lower Upper
 96 100
 61 84.5 90.1 167.3#
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 3.532 ug/L
 RT: 4.719 min Scan# 1051
 Delta R.T. 0.022 min
 Lab File: VU050942.D
 Acq: 26 Sep 2022 13:16

Tgt Ion: 43 Resp: 99
 Ion Ratio Lower Upper
 43 100
 72 0.0 14.8 44.3#





#29

Cyclohexane

Concen: 1.776 ug/L

RT: 5.388 min Scan# 1617

Delta R.T. -0.003 min

Lab File: VU050942.D

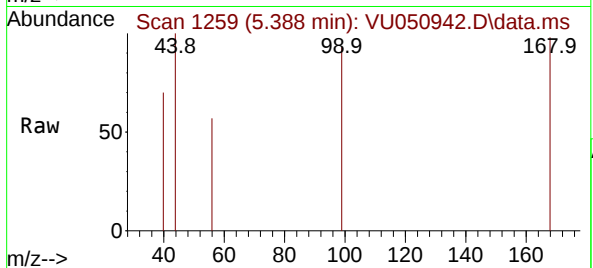
Acq: 26 Sep 2022 13:16

Instrument :

MSVOA_U

ClientSampleId :

E45A7



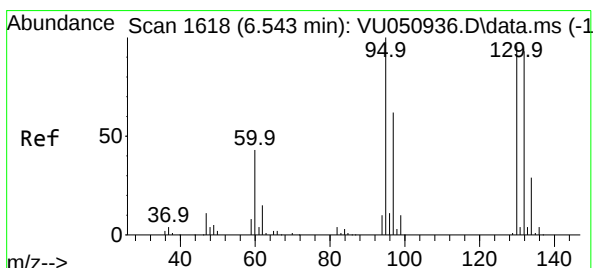
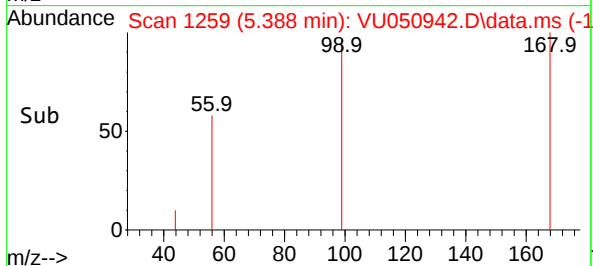
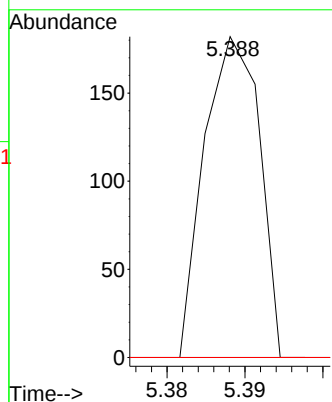
Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

69 0.0 24.2 36.4#

84 0.0 66.4 99.6#



#34

Trichloroethene

Concen: 28.530 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.003 min

Lab File: VU050942.D

Acq: 26 Sep 2022 13:16

Tgt Ion: 95 Resp: 898

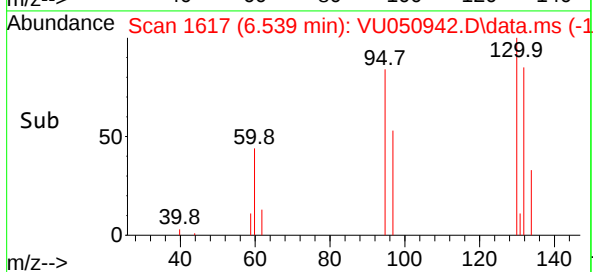
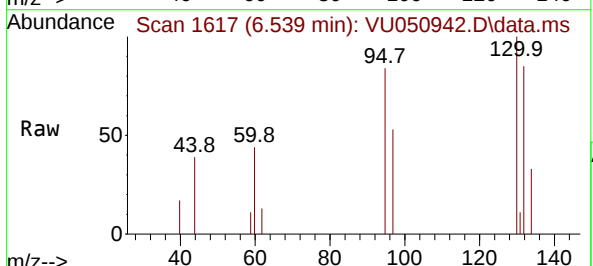
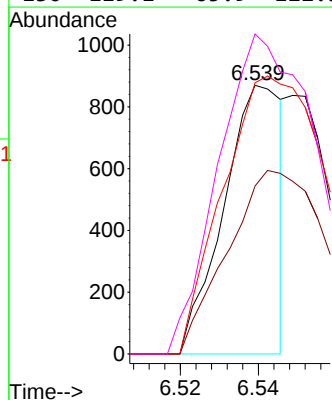
Ion Ratio Lower Upper

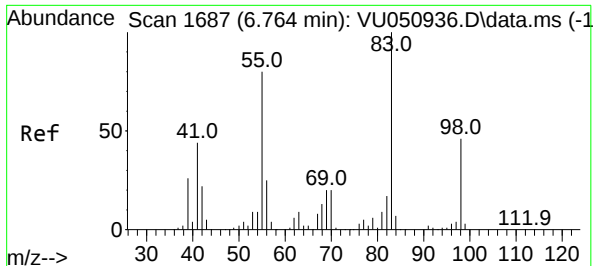
95 100

97 62.5 43.9 81.5

132 100.9 63.1 117.1

130 119.1 65.9 122.3

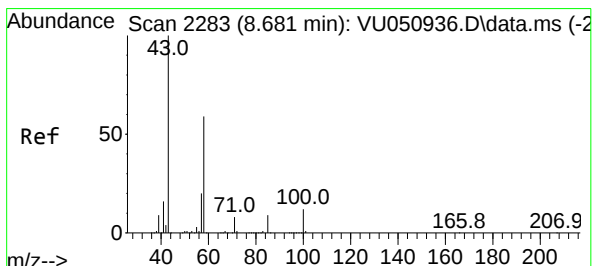
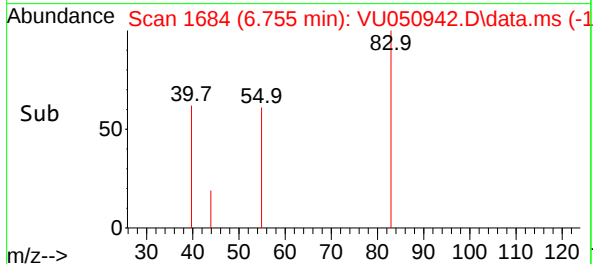
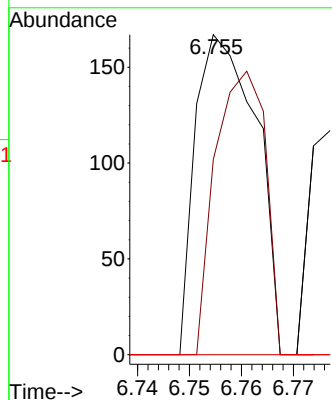
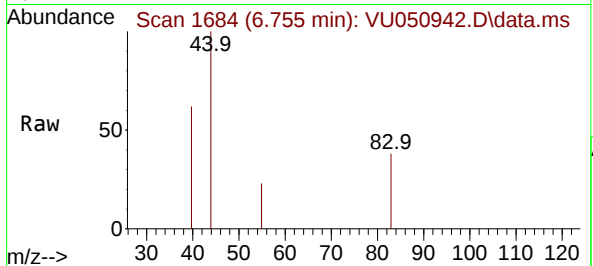




#35
Methylcyclohexane
Concen: 2.682 ug/L
RT: 6.755 min Scan# 1
Delta R.T. -0.010 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

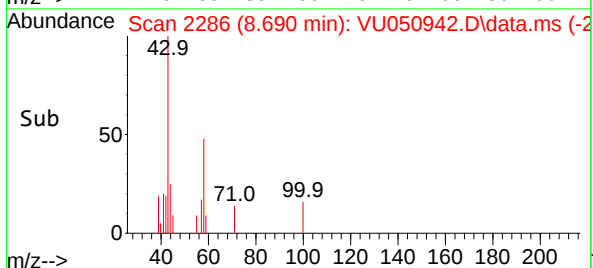
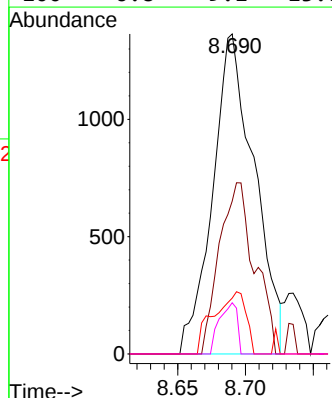
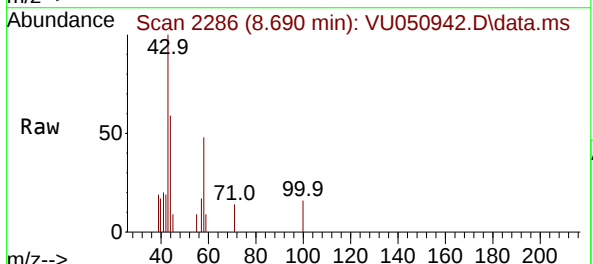
Instrument :
MSVOA_U
ClientSampleId :
E45A7

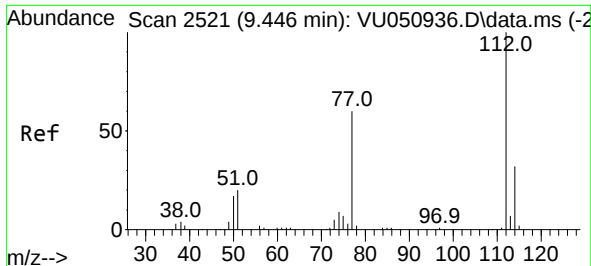
Tgt Ion: 83 Resp: 136
Ion Ratio Lower Upper
83 100
55 72.8 64.7 97.1
98 0.0 35.2 52.8#



#48
2-Hexanone
Concen: 68.315 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. 0.010 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

Tgt Ion: 43 Resp: 2917
Ion Ratio Lower Upper
43 100
58 37.7 47.2 70.8#
57 10.9 16.2 24.4#
100 6.8 9.1 13.7#

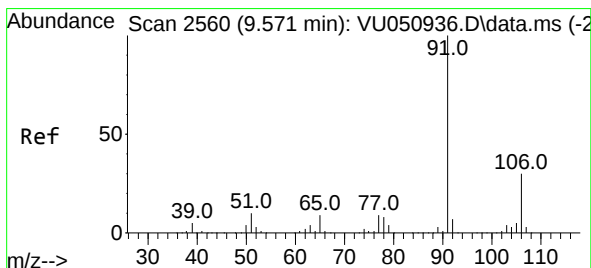
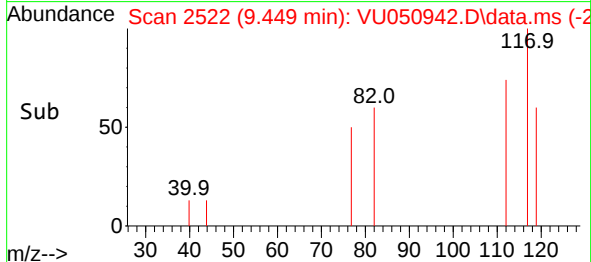
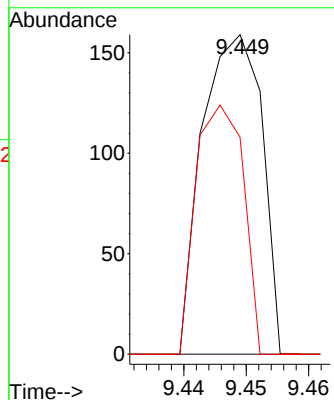
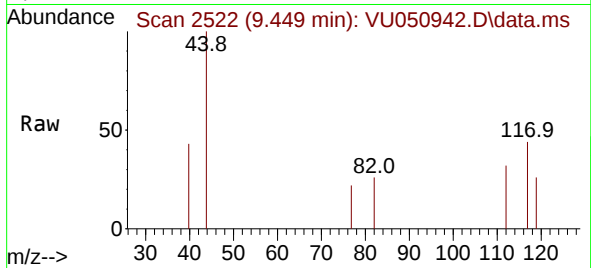




#51
Chlorobenzene
Concen: 1.291 ug/L
RT: 9.449 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

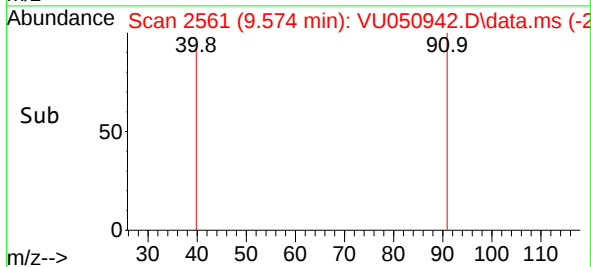
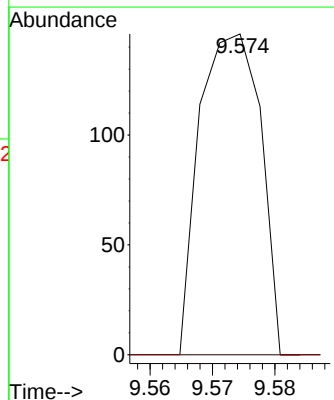
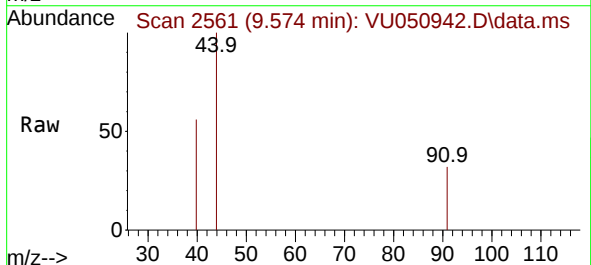
Instrument :
MSVOA_U
ClientSampleId :
E45A7

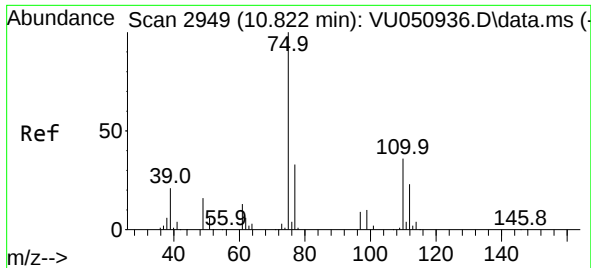
Tgt Ion:	112	Resp:	106
Ion	Ratio	Lower	Upper
112	100		
114	0.0	22.3	41.3#
77	67.9	49.8	74.8



#52
Ethylbenzene
Concen: 0.738 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

Tgt Ion:	91	Resp:	99
Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.0	39.0#

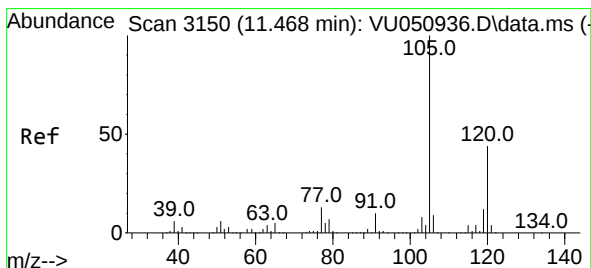
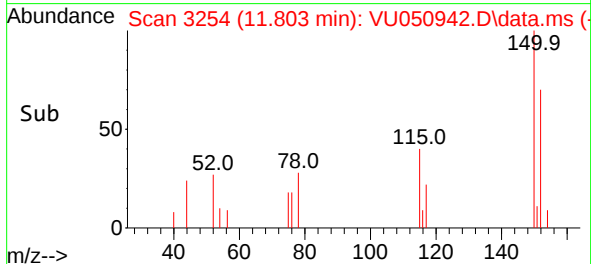
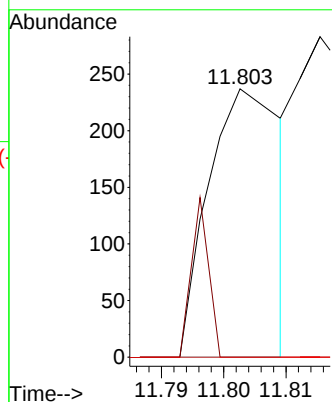
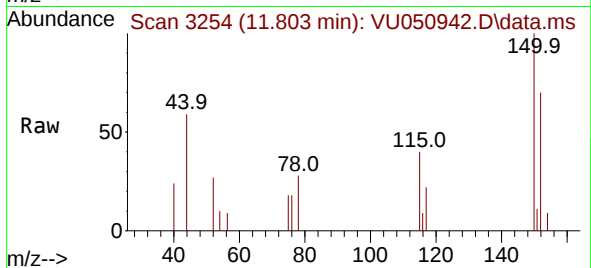




#60
 1,2,3-Trichloropropane
 Concen: 2.009 ug/L
 RT: 11.803 min Scan# 3151
 Delta R.T. 0.981 min
 Lab File: VU050942.D
 Acq: 26 Sep 2022 13:16

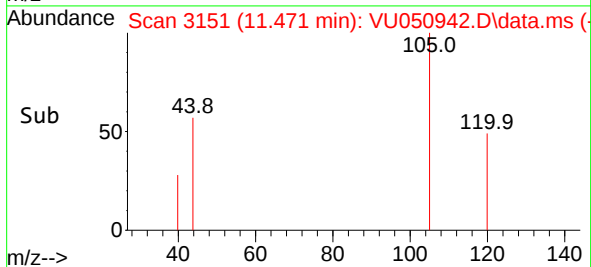
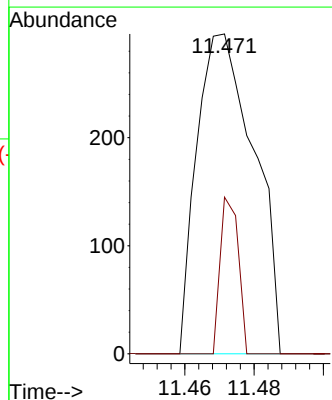
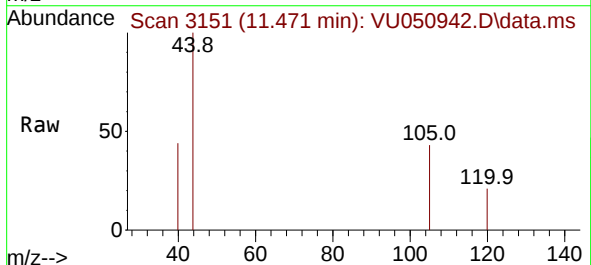
Instrument :
 MSVOA_U
 ClientSampleId :
 E45A7

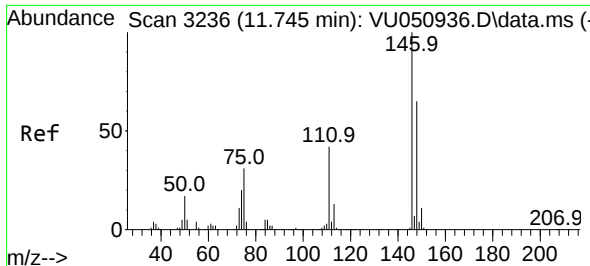
Tgt Ion: 75 Resp: 191
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.4#
 110 0.0 28.6 43.0#



#63
 1,2,4-Trimethylbenzene
 Concen: 1.724 ug/L
 RT: 11.471 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VU050942.D
 Acq: 26 Sep 2022 13:16

Tgt Ion: 105 Resp: 339
 Ion Ratio Lower Upper
 105 100
 120 15.6 34.9 52.3#

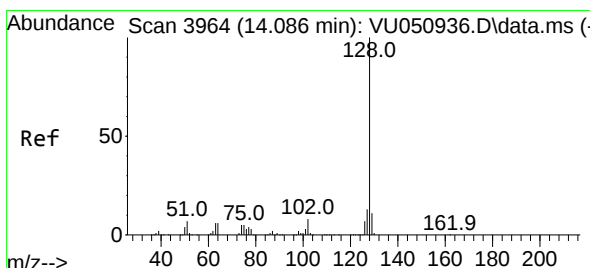
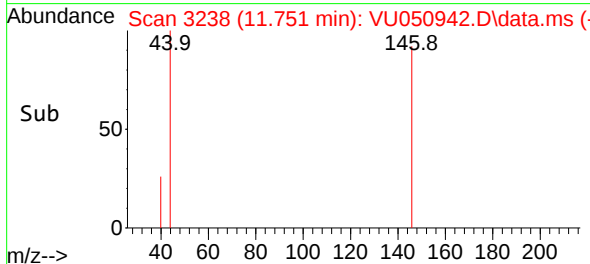
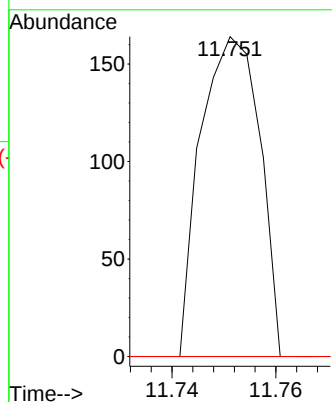
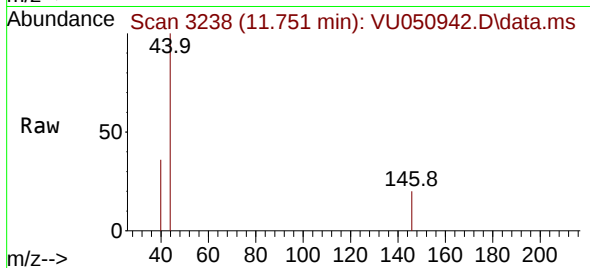




#64
1,3-Dichlorobenzene
Concen: 1.177 ug/L
RT: 11.751 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

Instrument :
MSVOA_U
ClientSampleId :
E45A7

Tgt Ion:146 Resp: 130
Ion Ratio Lower Upper
146 100
111 0.0 27.9 51.7#
148 0.0 44.4 82.5#



#71
Naphthalene
Concen: 1.806 ug/L
RT: 14.098 min Scan# 3968
Delta R.T. 0.013 min
Lab File: VU050942.D
Acq: 26 Sep 2022 13:16

Tgt Ion:128 Resp: 439
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.5 12.7#

