

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101022\
 Data File : VU051327.D
 Acq On : 10 Oct 2022 15:13
 Operator : JC/MD
 Sample : N5013-08DL 25X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 01:01:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 11 00:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	201305	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	210257	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	98025	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	54886	3.380	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.600%
7) Chloroethane-d5	1.913	69	56060	4.018	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.400%
11) 1,1-Dichloroethene-d2	2.565	65	23253	3.623	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	4.626	46	193259	54.057	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.120%
24) Chloroform-d	5.064	84	138384	4.571	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.700	65	75127	4.812	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.726	84	246028	4.254	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.690	67	92788	4.723	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.896	98	188832	3.649	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	8.179	79	32590	5.050	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.000%
46) 2-Hexanone-d5	8.633	63	119769	55.063	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.120%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	81028	5.164	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	82200	4.825	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	9858	0.436	ug/L	91
8) Chloroethane	1.932	64	13293	0.922	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	954	0.061	ug/L #	45
13) Acetone	2.633	43	9028	3.367	ug/L	98
16) Methylene chloride	3.041	84	12966	0.598	ug/L	93
19) 1,1-Dichloroethane	3.867	63	4690	0.147	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	49945	2.920	ug/L	93
27) 1,2-Dichloroethane	5.777	62	11800	0.592	ug/L #	74
33) Benzene	5.774	78	1385675	19.741	ug/L	100
37) 1,2-Dichloropropane	6.694	63	9610	0.500	ug/L #	88
42) Toluene	7.967	91	2130950	28.601	ug/L	99
51) Chlorobenzene	9.446	112	185178	4.160	ug/L	99
52) Ethylbenzene	9.568	91	229859	3.433	ug/L	100
53) m,p-Xylene	9.690	106	249705	9.616	ug/L	100
54) o-Xylene	10.099	106	63224	2.573	ug/L	100
55) Styrene	10.099	104	5738	0.136	ug/L #	1
60) Isopropylbenzene	10.481	105	42311	0.681	ug/L	100
61) 1,2,3-Trichloropropane	10.099	75	1822	0.147	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.086	105	10419	0.633	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 11 00:58:34 2022
Response via : Initial Calibration

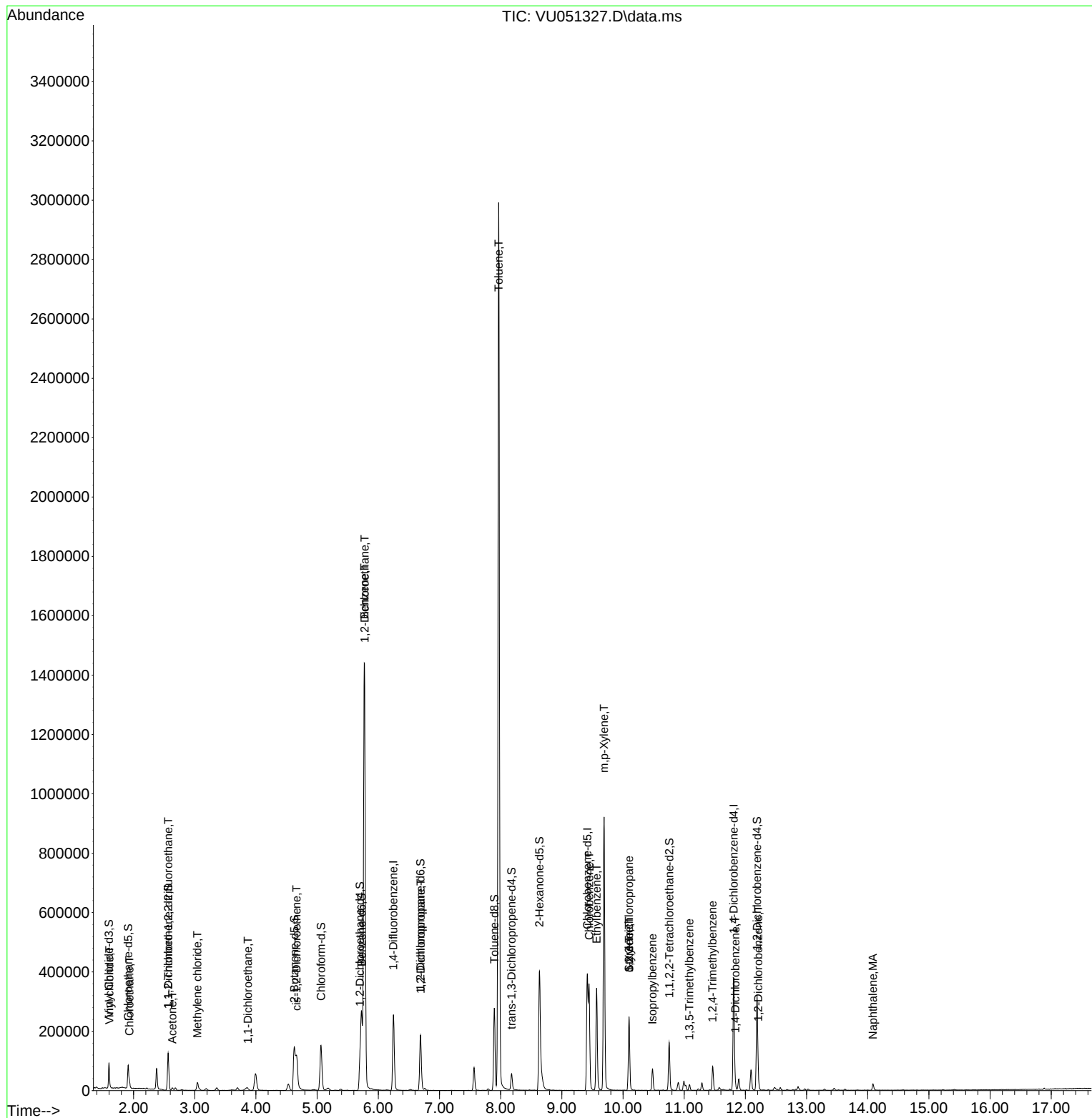
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.465	105	41927	0.900	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	6239	0.206	ug/L	89
67) 1,2-Dichlorobenzene	12.211	146	8657	0.290	ug/L	94
71) Naphthalene	14.086	128	19753	0.706	ug/L	97

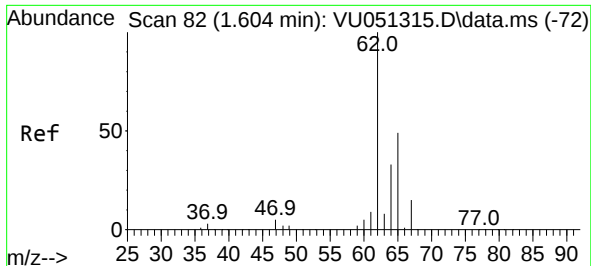
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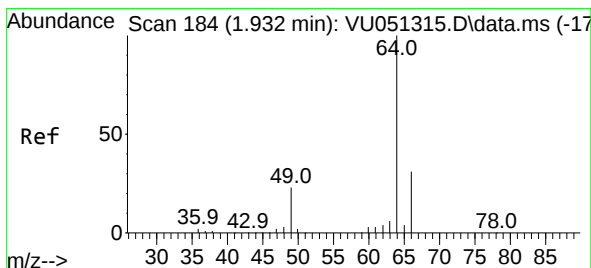
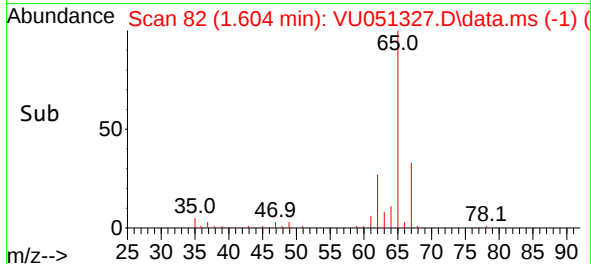
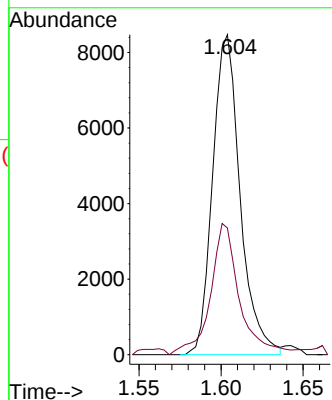
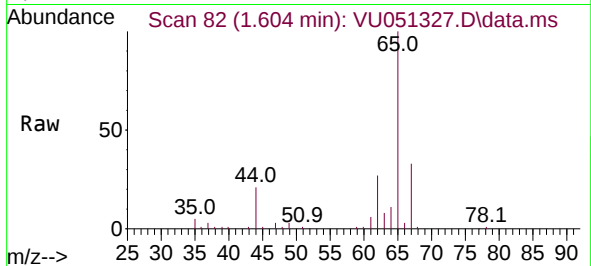




#5
 Vinyl chloride
 Concen: 0.436 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU051327.D
 Acq: 10 Oct 2022 15:13

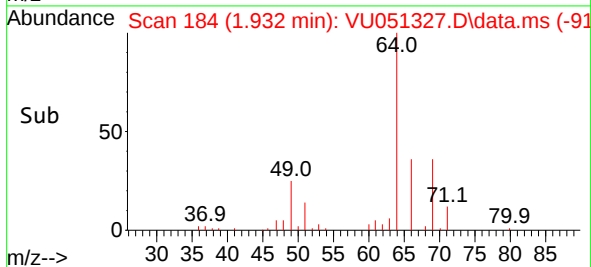
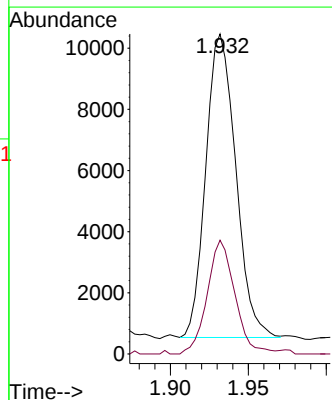
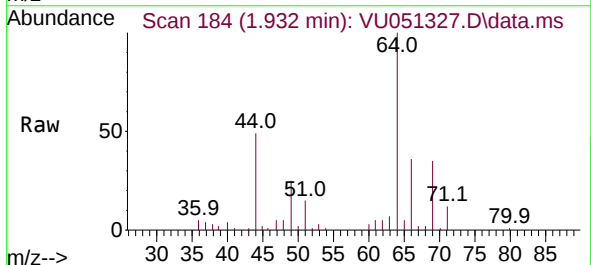
Instrument :
 MSVOA_U
 ClientSampleId :

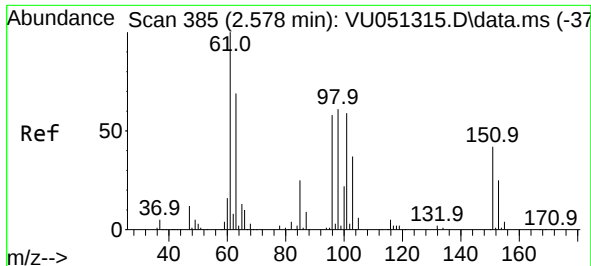
Tgt Ion: 62 Resp: 9858
 Ion Ratio Lower Upper
 62 100
 64 39.6 24.0 44.6



#8
 Chloroethane
 Concen: 0.922 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. 0.000 min
 Lab File: VU051327.D
 Acq: 10 Oct 2022 15:13

Tgt Ion: 64 Resp: 13293
 Ion Ratio Lower Upper
 64 100
 66 35.5 22.3 41.3





#10

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

Concen: 0.061 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU051327.D

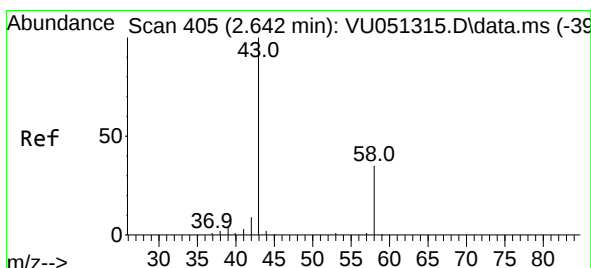
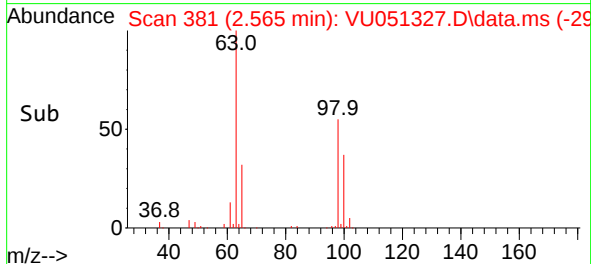
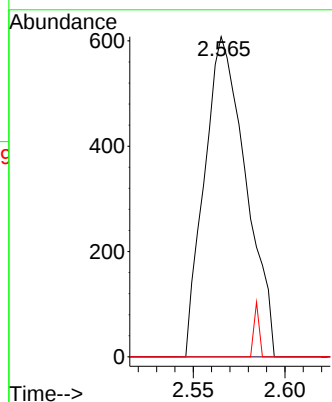
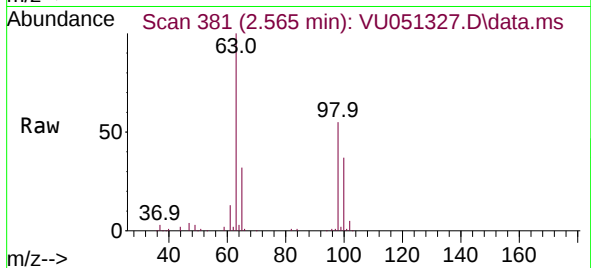
Acq: 10 Oct 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	954
Ion	Ratio	Lower	Upper
101	100		
85	37.5	34.6	51.8
151	2.1	56.5	84.7#



#13

Acetone

Concen: 3.367 ug/L

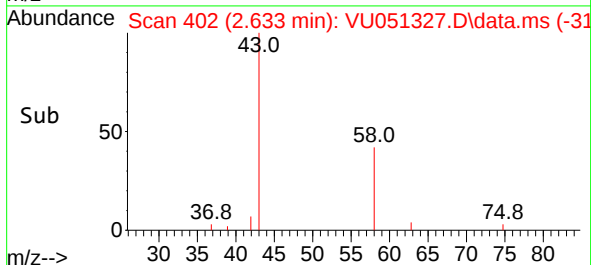
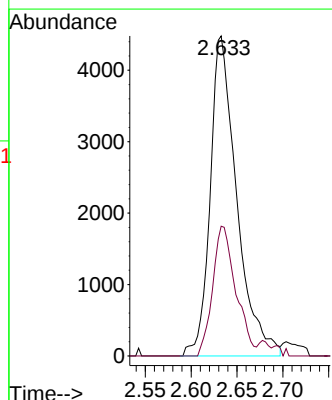
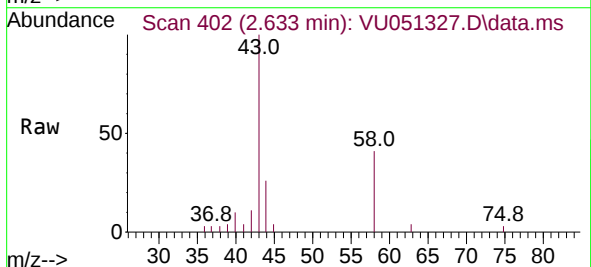
RT: 2.633 min Scan# 402

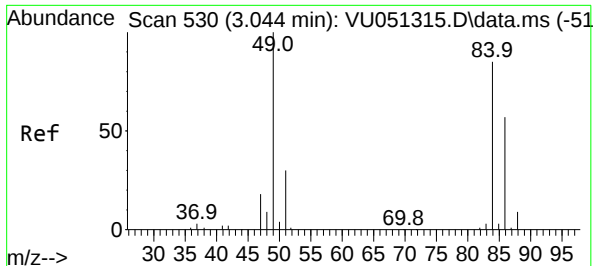
Delta R.T. -0.010 min

Lab File: VU051327.D

Acq: 10 Oct 2022 15:13

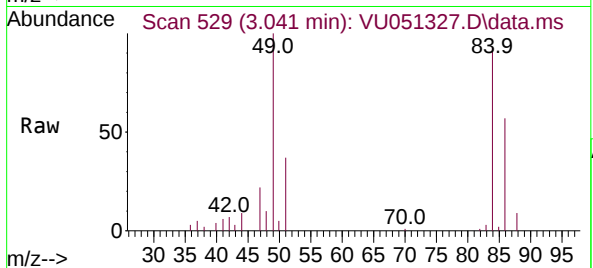
Tgt Ion:	43	Resp:	9028
Ion	Ratio	Lower	Upper
43	100		
58	35.5	0.0	68.8



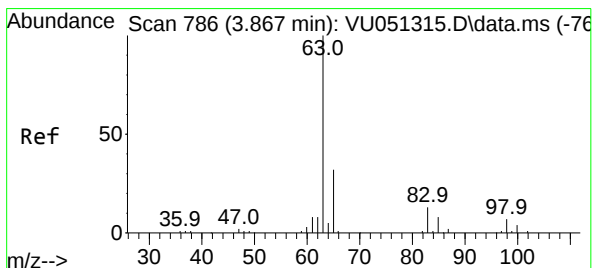
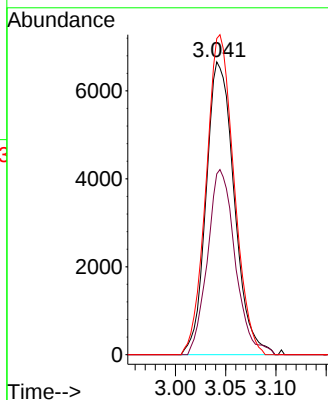
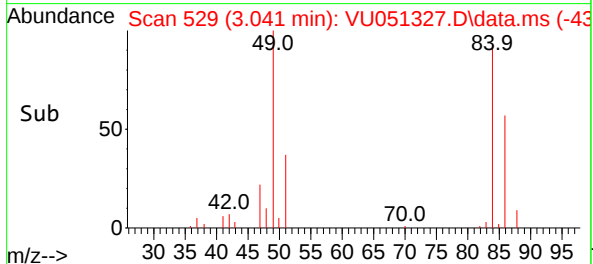


#16
Methylene chloride
Concen: 0.598 ug/L
RT: 3.041 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU051327.D
Acq: 10 Oct 2022 15:13

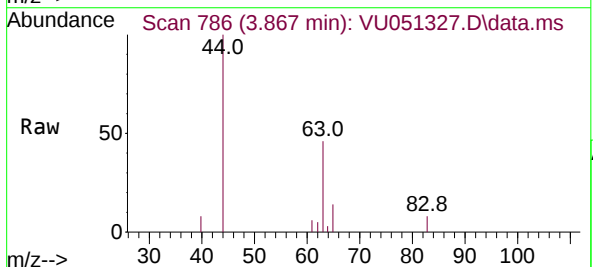
Instrument :
MSVOA_U
ClientSampleId :



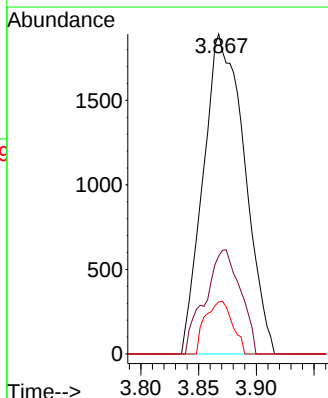
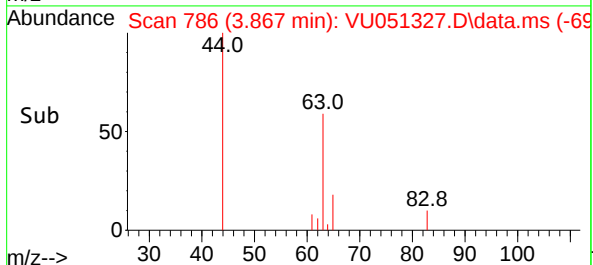
Tgt Ion: 84 Resp: 12966
Ion Ratio Lower Upper
84 100
86 61.8 46.5 86.3
49 108.0 81.3 151.1

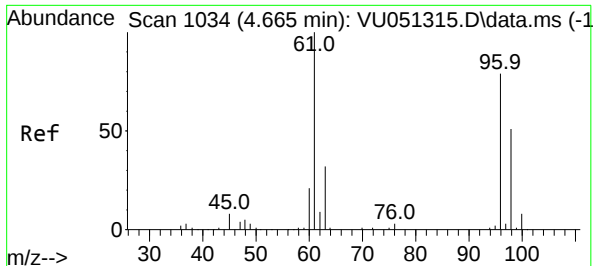


#19
1,1-Dichloroethane
Concen: 0.147 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU051327.D
Acq: 10 Oct 2022 15:13



Tgt Ion: 63 Resp: 4690
Ion Ratio Lower Upper
63 100
65 30.6 22.0 41.0
83 16.2 9.0 16.6

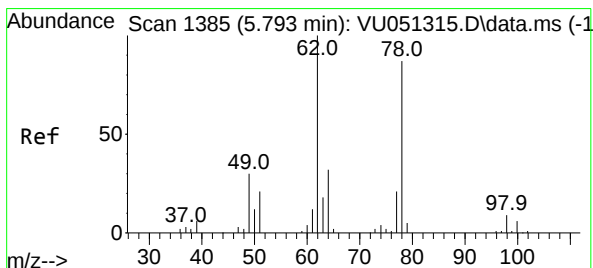
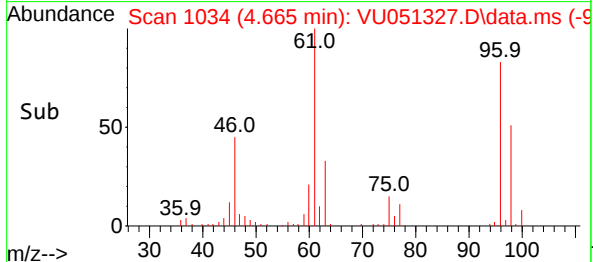
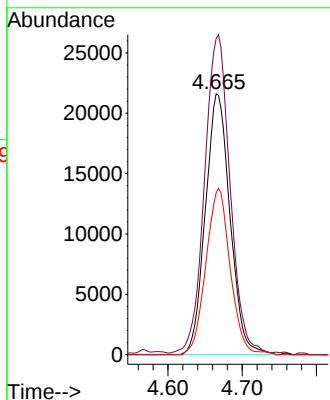
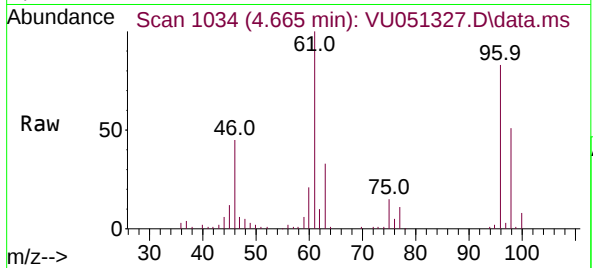




#22
 cis-1,2-Dichloroethene
 Concen: 2.920 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU051327.D
 Acq: 10 Oct 2022 15:13

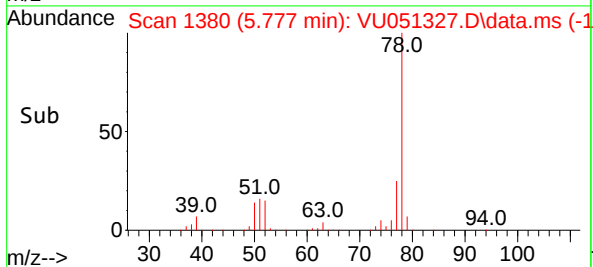
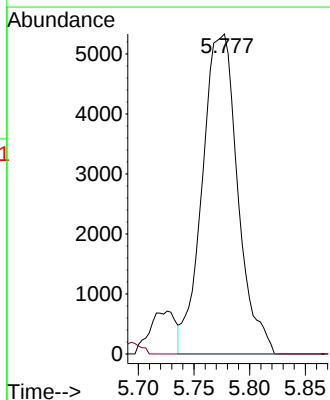
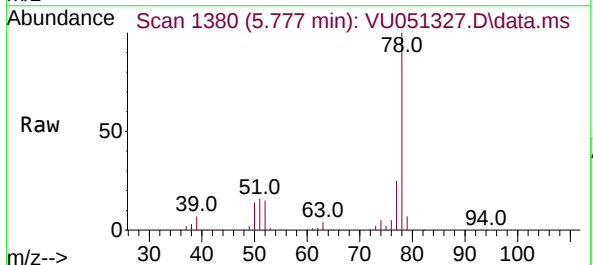
Instrument :
 MSVOA_U
 ClientSampleId :

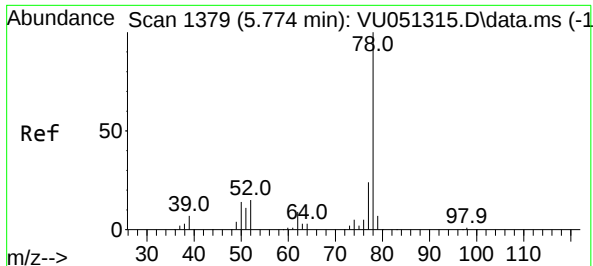
Tgt Ion: 96 Resp: 49945
 Ion Ratio Lower Upper
 96 100
 61 121.2 90.6 168.2
 98 62.0 47.5 88.3



#27
 1,2-Dichloroethane
 Concen: 0.592 ug/L
 RT: 5.777 min Scan# 1380
 Delta R.T. -0.016 min
 Lab File: VU051327.D
 Acq: 10 Oct 2022 15:13

Tgt Ion: 62 Resp: 11800
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.7 11.5#

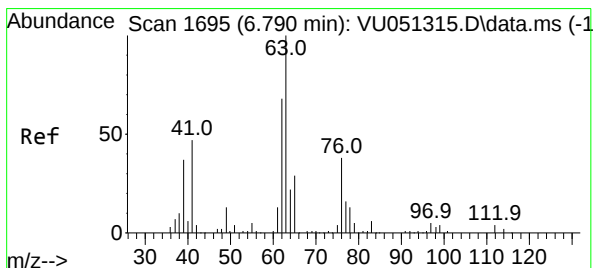
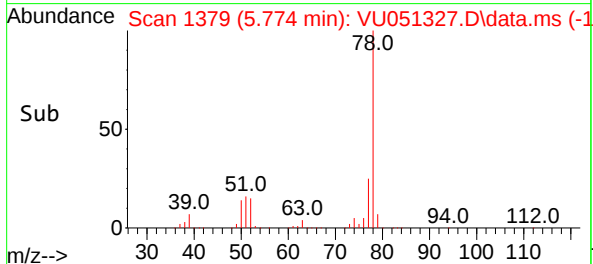
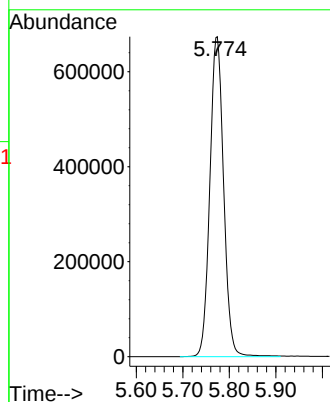
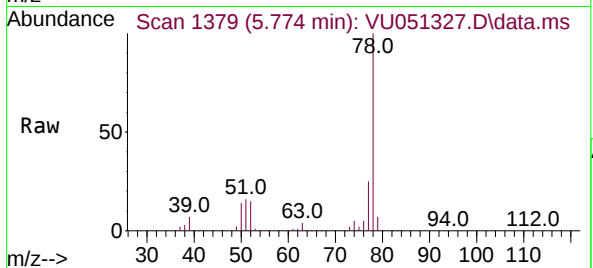




#33
Benzene
Concen: 19.741 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051327.D
Acq: 10 Oct 2022 15:13

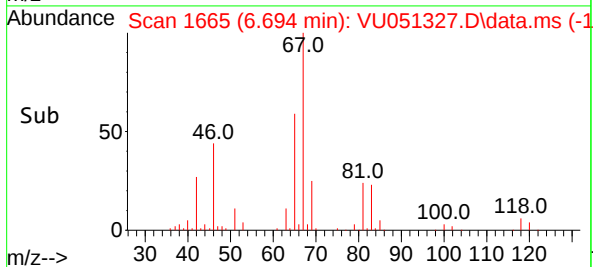
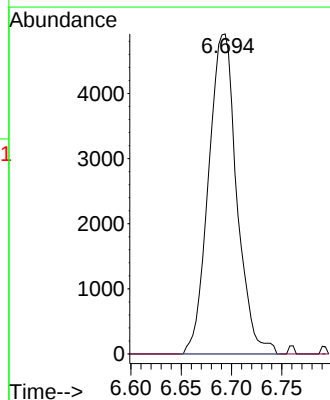
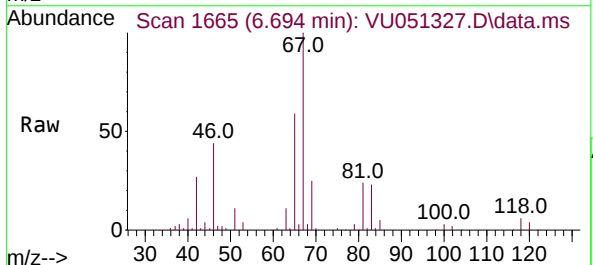
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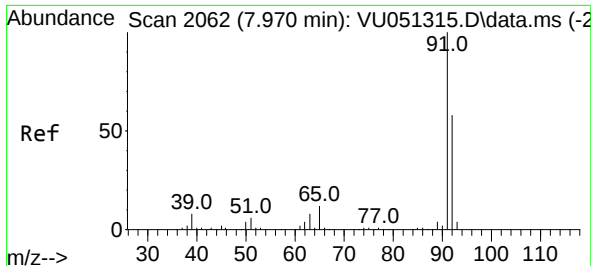
Tgt Ion: 78 Resp: 1385675



#37
1,2-Dichloropropane
Concen: 0.500 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.096 min
Lab File: VU051327.D
Acq: 10 Oct 2022 15:13

Tgt Ion: 63 Resp: 9610
Ion Ratio Lower Upper
63 100
112 0.2 3.2 4.8#





#42

Toluene

Concen: 28.601 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051327.D

Acq: 10 Oct 2022 15:13

Instrument :

MSVOA_U

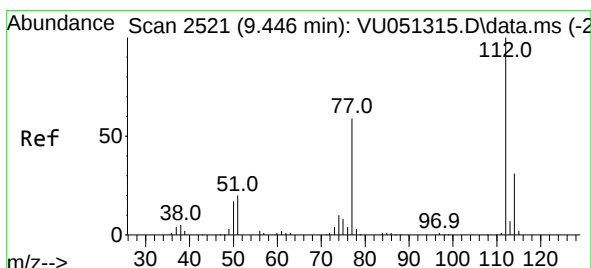
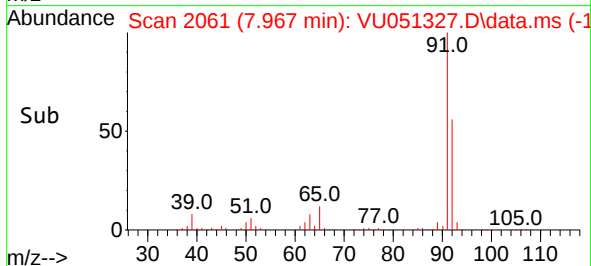
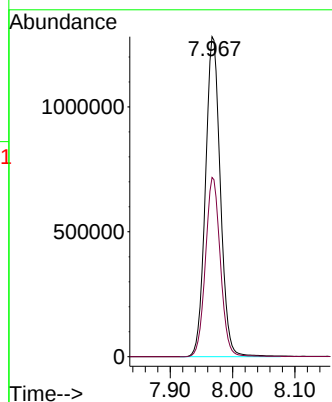
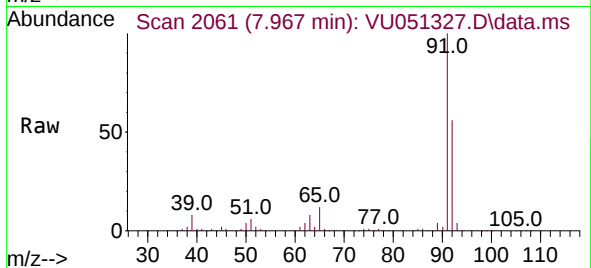
ClientSampleId :

Tgt Ion: 91 Resp: 2130950

Ion Ratio Lower Upper

91 100

92 56.0 39.9 74.1



#51

Chlorobenzene

Concen: 4.160 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051327.D

Acq: 10 Oct 2022 15:13

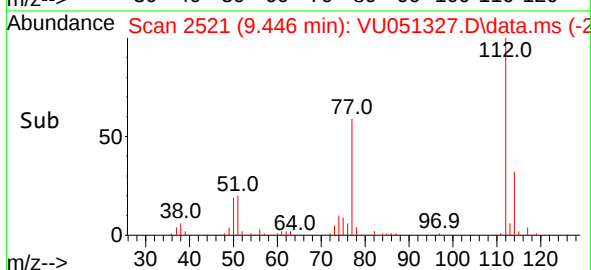
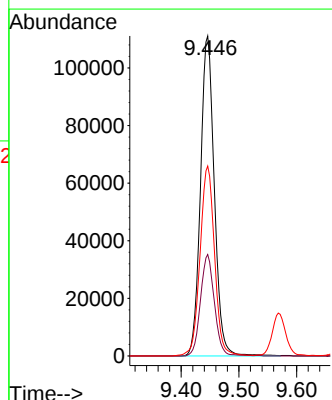
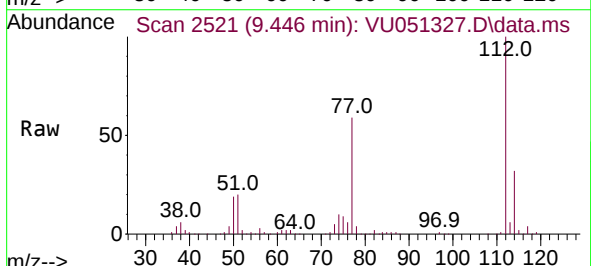
Tgt Ion: 112 Resp: 185178

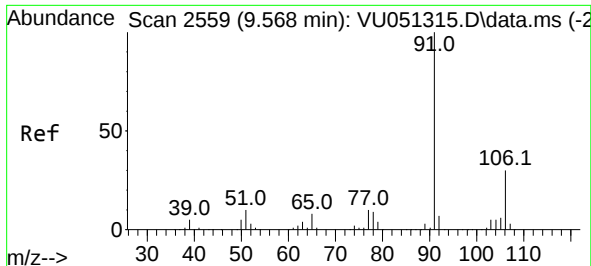
Ion Ratio Lower Upper

112 100

114 31.7 22.3 41.5

77 59.3 48.1 72.1

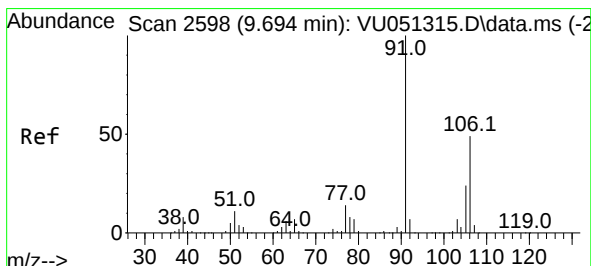
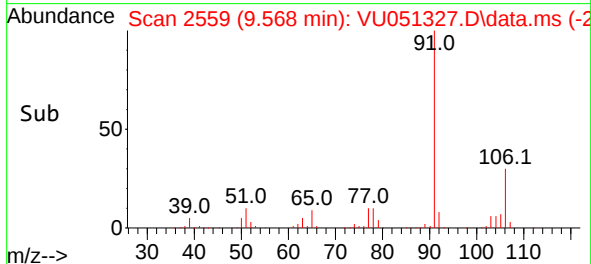
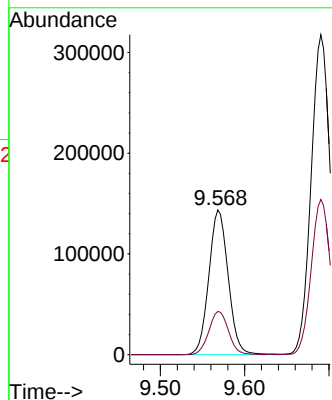
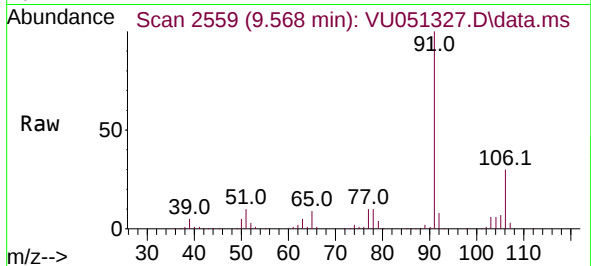




#52
Ethylbenzene
Concen: 3.433 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051327.D
Acq: 10 Oct 2022 15:13

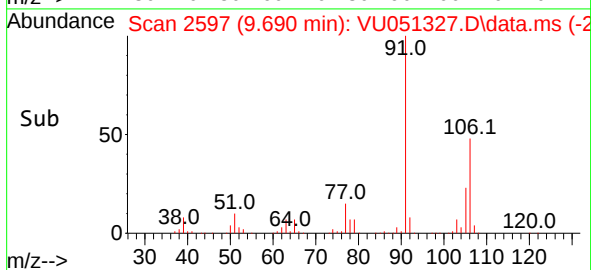
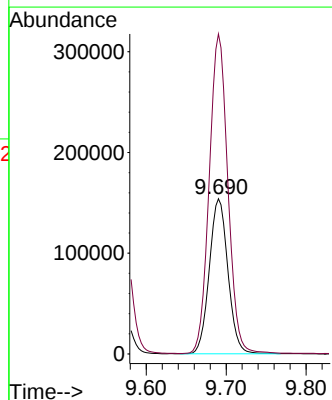
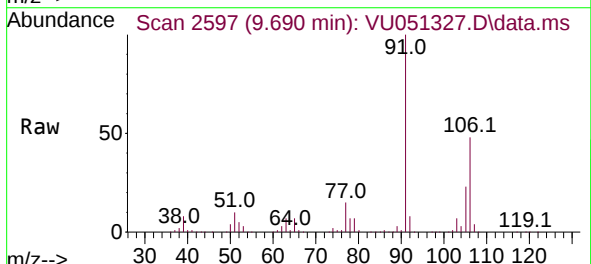
Instrument :
MSVOA_U
ClientSampleId :

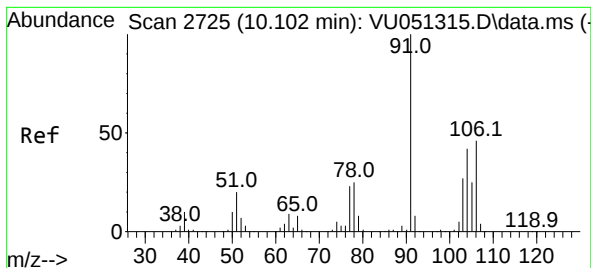
Tgt Ion: 91 Resp: 229859
Ion Ratio Lower Upper
91 100
106 29.8 20.9 38.7



#53
m,p-Xylene
Concen: 9.616 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051327.D
Acq: 10 Oct 2022 15:13

Tgt Ion: 106 Resp: 249705
Ion Ratio Lower Upper
106 100
91 206.2 143.9 267.3





#54

o-Xylene

Concen: 2.573 ug/L

RT: 10.099 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU051327.D

Acq: 10 Oct 2022 15:13

Instrument :

MSVOA_U

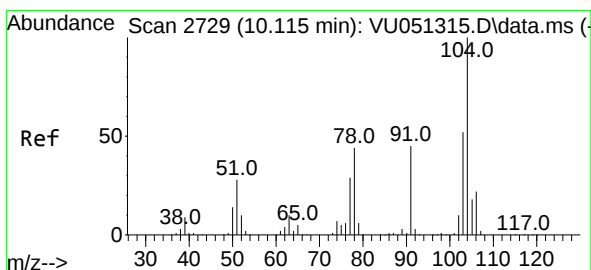
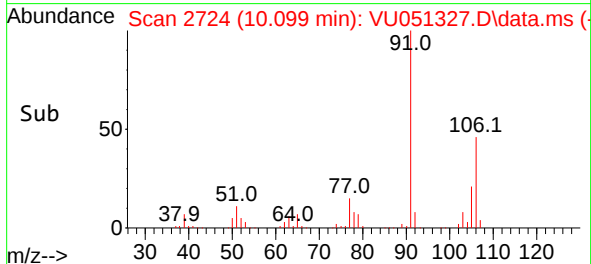
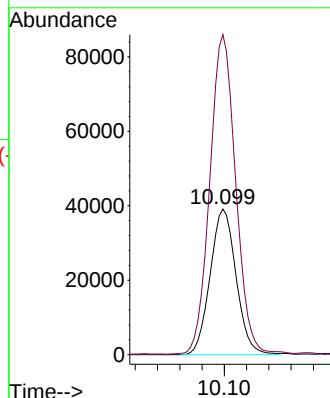
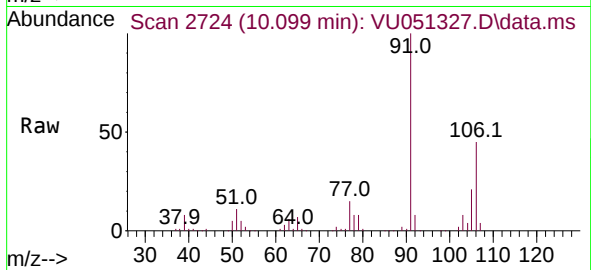
ClientSampleId :

Tgt Ion:106 Resp: 63224

Ion Ratio Lower Upper

106 100

91 219.8 154.4 286.8



#55

Styrene

Concen: 0.136 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. -0.016 min

Lab File: VU051327.D

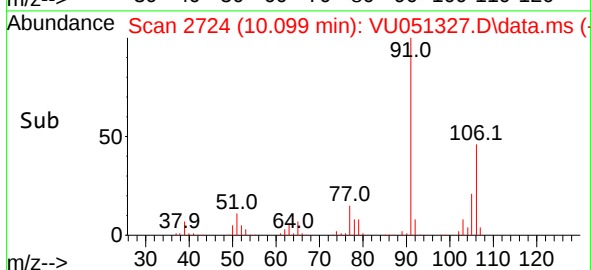
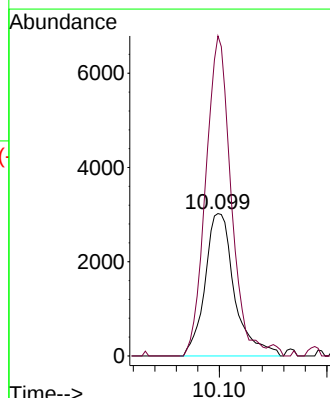
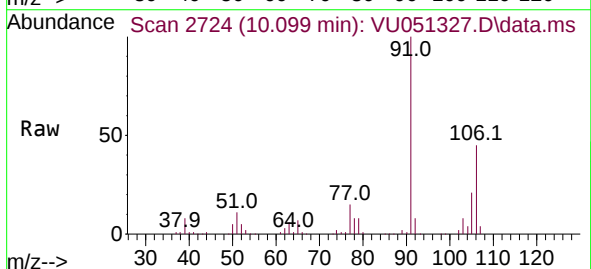
Acq: 10 Oct 2022 15:13

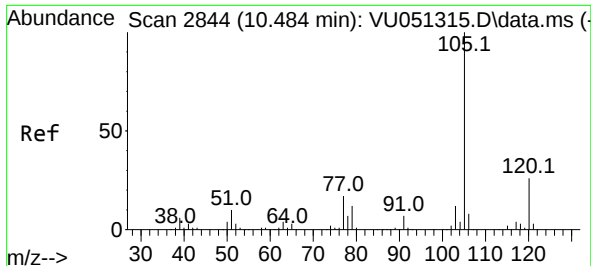
Tgt Ion:104 Resp: 5738

Ion Ratio Lower Upper

104 100

78 224.7 32.1 59.7#

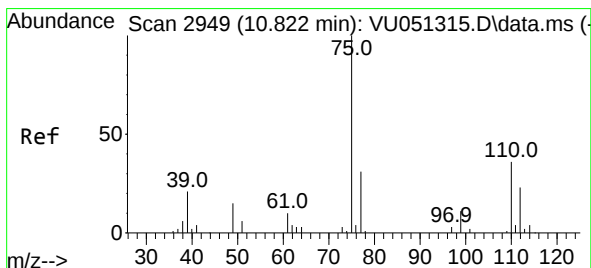
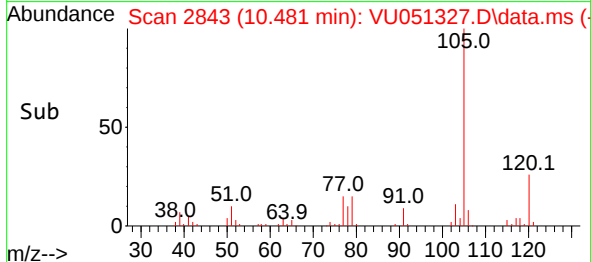
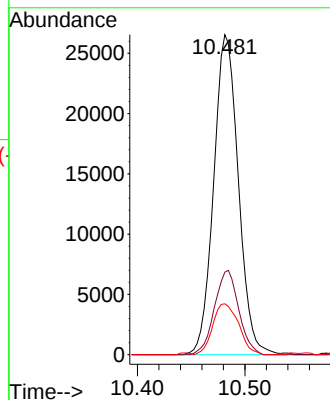
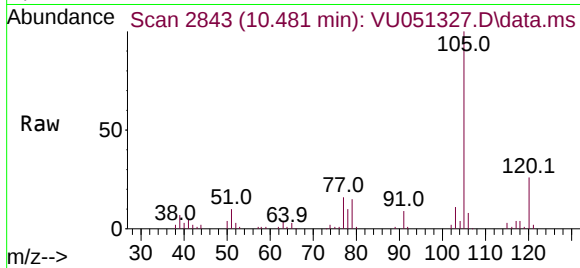




#60
Isopropylbenzene
Concen: 0.681 ug/L
RT: 10.481 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU051327.D
Acq: 10 Oct 2022 15:13

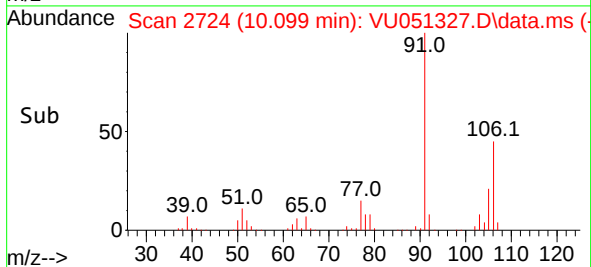
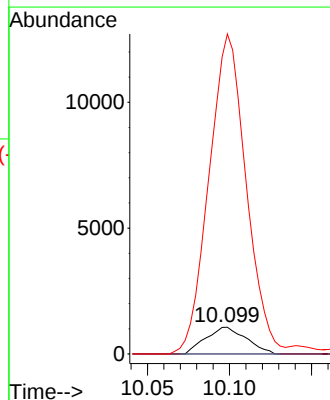
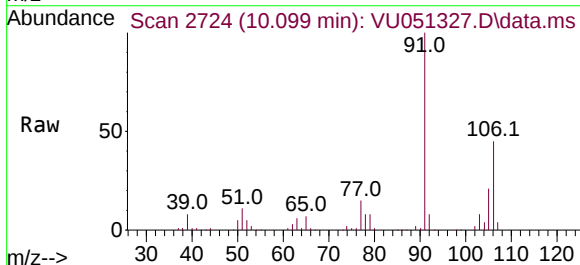
Instrument :
MSVOA_U
ClientSampleId :

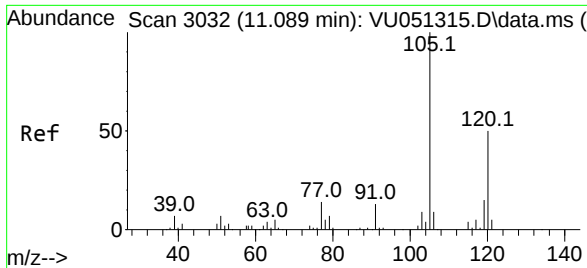
Tgt Ion:105 Resp: 42311
Ion Ratio Lower Upper
105 100
120 25.9 20.6 30.8
77 16.7 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 0.147 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.723 min
Lab File: VU051327.D
Acq: 10 Oct 2022 15:13

Tgt Ion: 75 Resp: 1822
Ion Ratio Lower Upper
75 100
110 0.0 27.0 40.6#
77 1098.6 26.4 39.6#

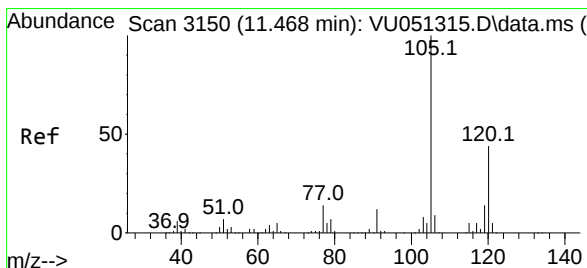
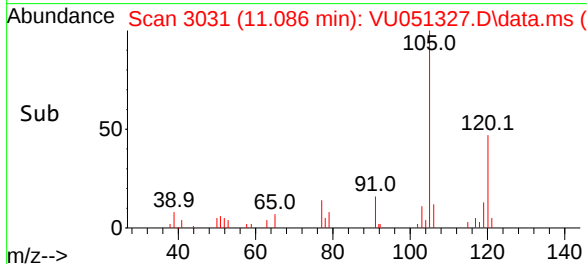
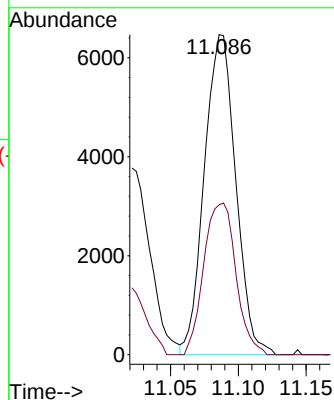
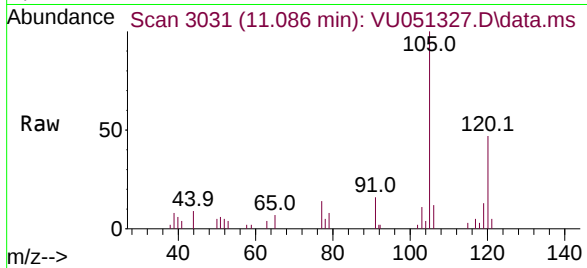




#62
 1,3,5-Trimethylbenzene
 Concen: 0.633 ug/L
 RT: 11.086 min Scan# 3032
 Delta R.T. -0.003 min
 Lab File: VU051327.D
 Acq: 10 Oct 2022 15:13

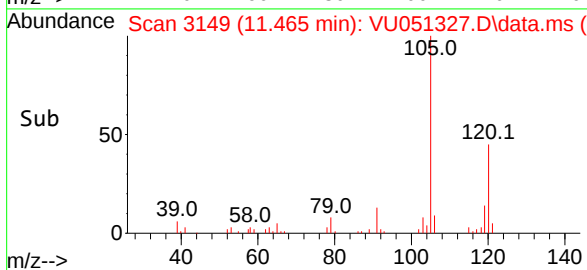
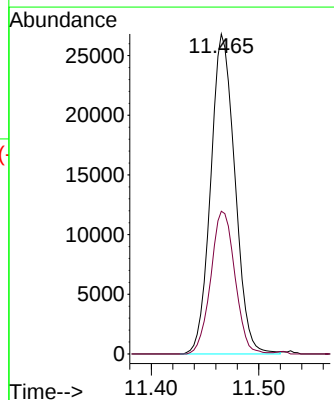
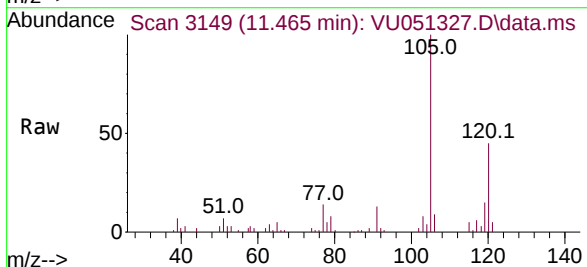
Instrument :
 MSVOA_U
 ClientSampleId :

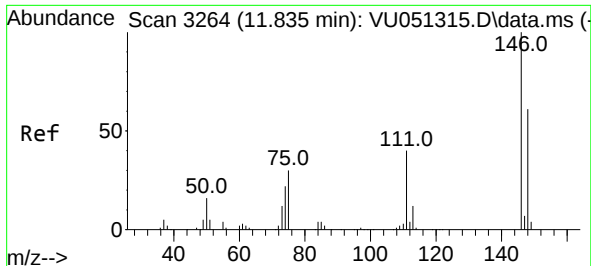
Tgt Ion:105 Resp: 10419
 Ion Ratio Lower Upper
 105 100
 120 48.5 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.900 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051327.D
 Acq: 10 Oct 2022 15:13

Tgt Ion:105 Resp: 41927
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.6 53.4

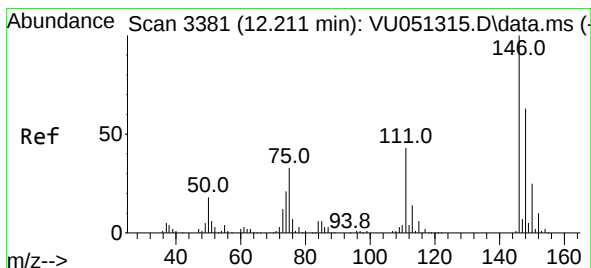
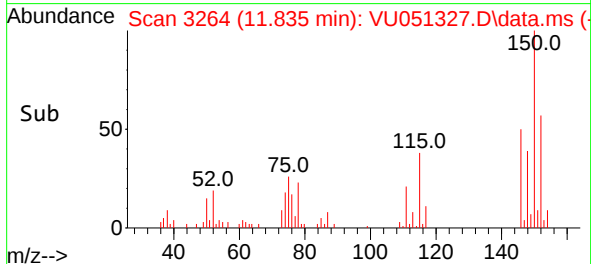
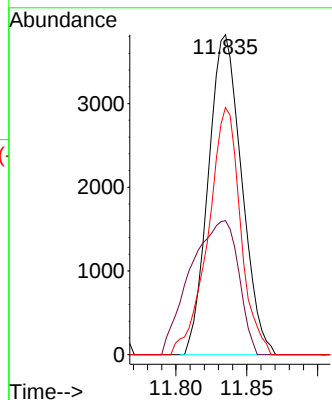
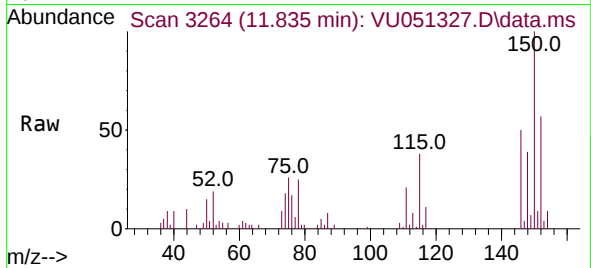




#65
 1,4-Dichlorobenzene
 Concen: 0.206 ug/L
 RT: 11.835 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU051327.D
 Acq: 10 Oct 2022 15:13

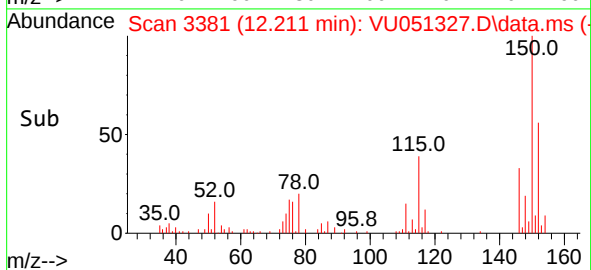
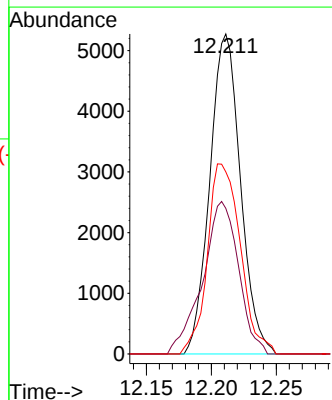
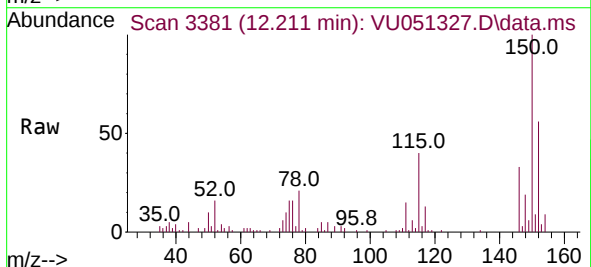
Instrument :
 MSVOA_U
 ClientSampleId :

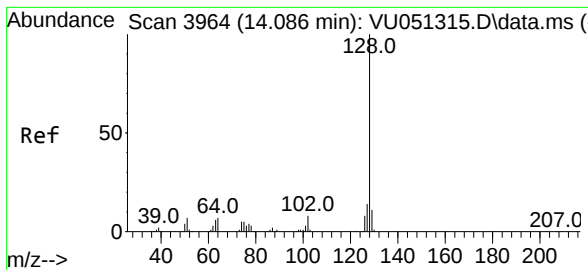
Tgt Ion:146 Resp: 6239
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.1 54.1
 148 77.3 44.2 82.0



#67
 1,2-Dichlorobenzene
 Concen: 0.290 ug/L
 RT: 12.211 min Scan# 3381
 Delta R.T. 0.000 min
 Lab File: VU051327.D
 Acq: 10 Oct 2022 15:13

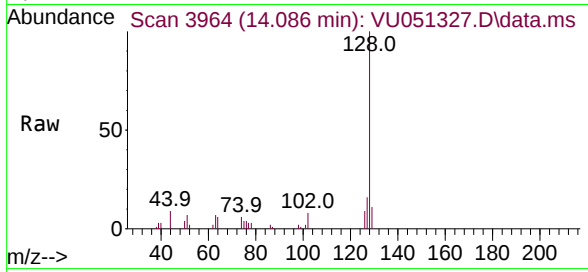
Tgt Ion:146 Resp: 8657
 Ion Ratio Lower Upper
 146 100
 111 45.5 35.5 53.3
 148 56.9 50.9 76.3





#71
 Naphthalene
 Concen: 0.706 ug/L
 RT: 14.086 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU051327.D
 Acq: 10 Oct 2022 15:13

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	19753
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	15.5	11.1	16.7

