

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090921\
 Data File : VU044614.D
 Acq On : 09 Sep 2021 15:15
 Operator : SY/MD
 Sample : VIBLK002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 10 01:44:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090921WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 10 01:38:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	152783	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	152018	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	73827	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	43952	4.876	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.919	69	43736	4.754	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.571	65	21389	4.698	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.000%
20) 2-Butanone-d5	4.645	46	144669	38.283	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.560%
24) Chloroform-d	5.070	84	92244	4.865	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.710	65	55599	4.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.735	84	189538	4.890	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	6.697	67	64146	5.039	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.902	98	162521	4.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.185	79	21327	4.753	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.645	63	140536	48.730	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.460%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	52335	4.637	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	12.198	152	60260	4.947	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
6) Bromomethane	1.864	94	508	0.066	ug/L	97
14) Carbon disulfide	2.800	76	3338	0.107	ug/L #	87
16) Methylene chloride	3.051	84	5015	0.321	ug/L	89
37) 1,2-Dichloropropane	6.697	63	7330	0.606	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1580	0.092	ug/L	86
40) 4-Methyl-2-pentanone	7.806	43	13192	1.402	ug/L #	89
42) Toluene	7.976	91	3703	0.079	ug/L	85
48) 2-Hexanone	8.697	43	19777	2.824	ug/L #	94
51) Chlorobenzene	9.452	112	1728	0.059	ug/L	97
55) Styrene	10.121	104	2288	0.071	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.790	83	1391	0.121	ug/L #	92
61) 1,2,3-Trichloropropane	10.828	75	1030	0.126	ug/L #	72
62) 1,3,5-Trimethylbenzene	11.092	105	2654	0.069	ug/L	95
63) 1,2,4-Trimethylbenzene	11.471	105	3969	0.101	ug/L	94
64) 1,3-Dichlorobenzene	11.748	146	3556	0.165	ug/L	92
65) 1,4-Dichlorobenzene	11.841	146	4356	0.196	ug/L	95
67) 1,2-Dichlorobenzene	12.217	146	3670	0.179	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.002	75	561	0.313	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.224	180	3908	0.239	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 10 01:38:15 2021
Response via : Initial Calibration

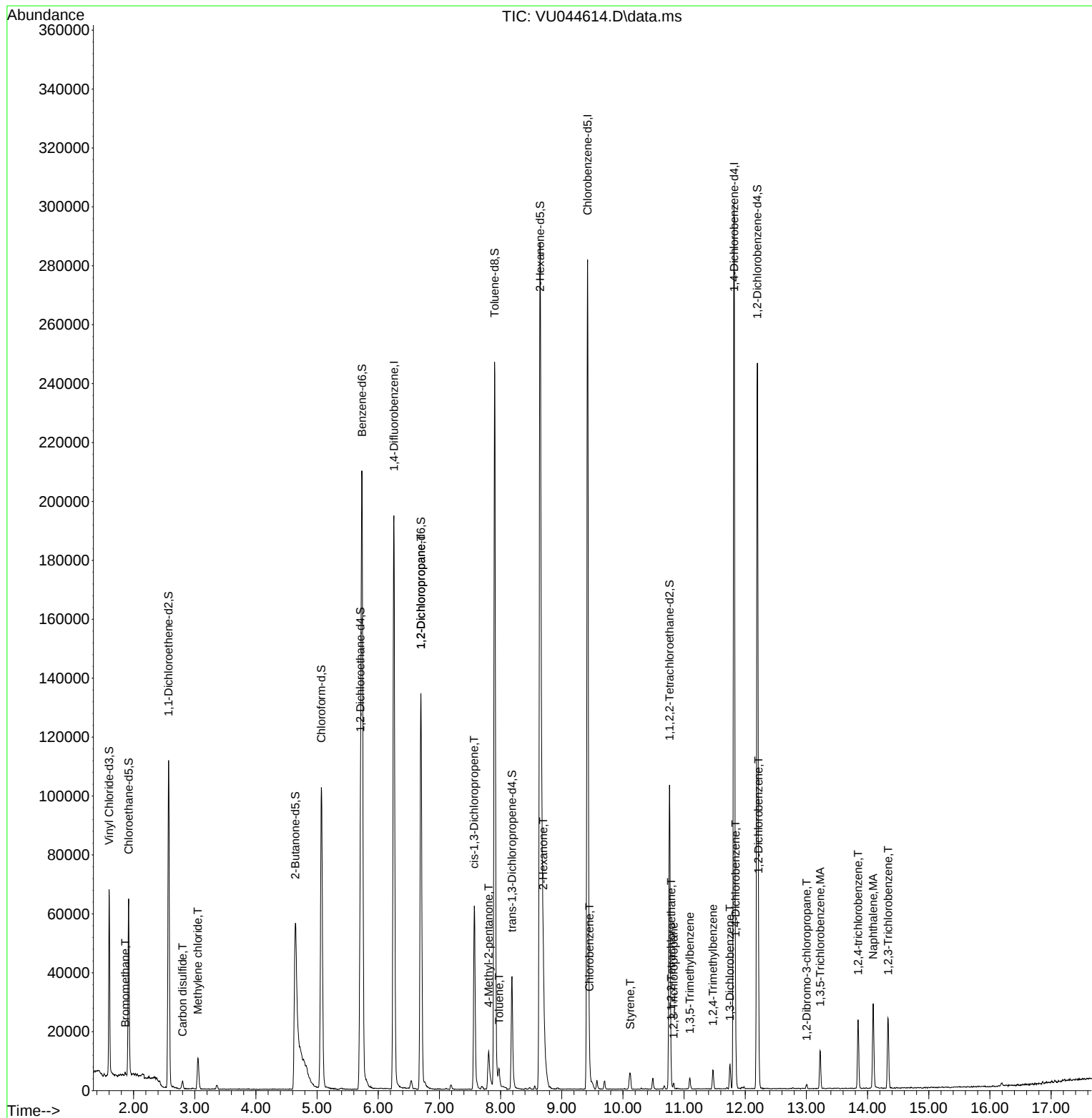
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.844	180	6869	0.497	ug/L	96
71) Naphthalene	14.092	128	23852	0.885	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	7395	0.581	ug/L	99

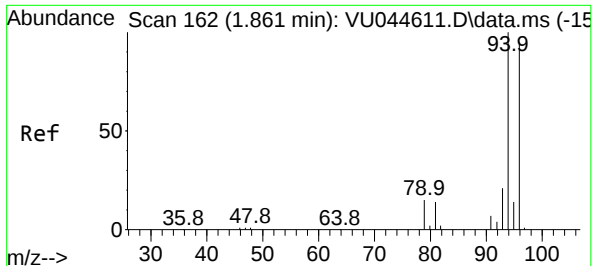
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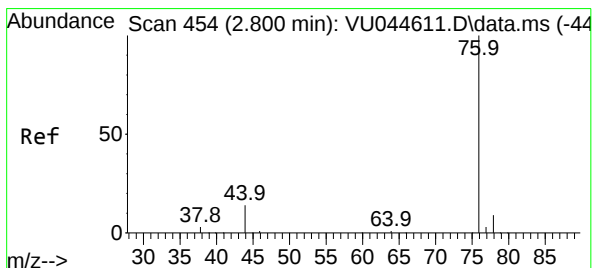
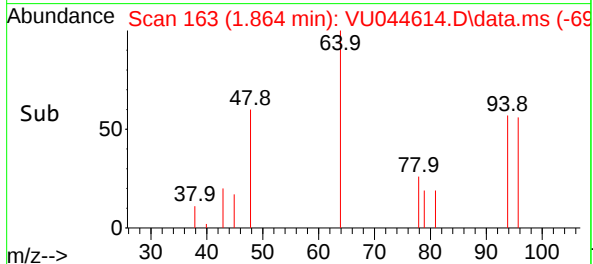
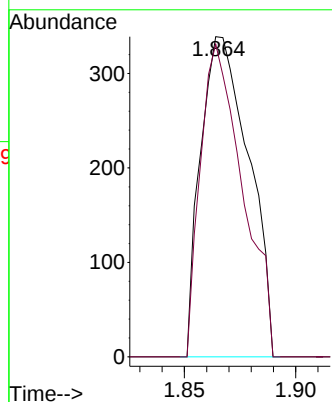
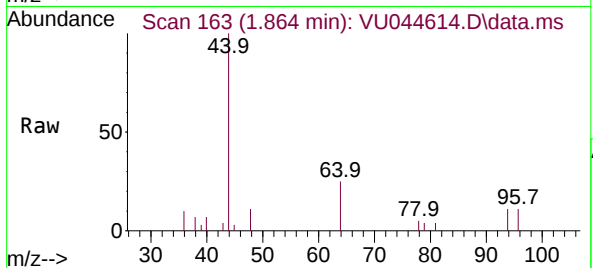




#6
Bromomethane
Concen: 0.066 ug/L
RT: 1.864 min Scan# 163
Delta R.T. 0.003 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

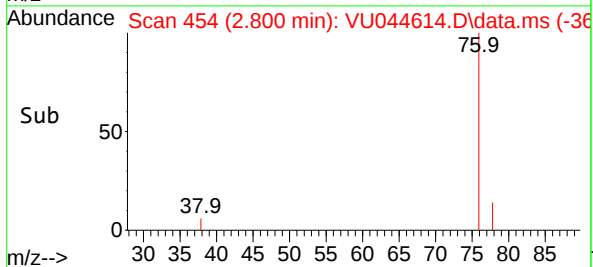
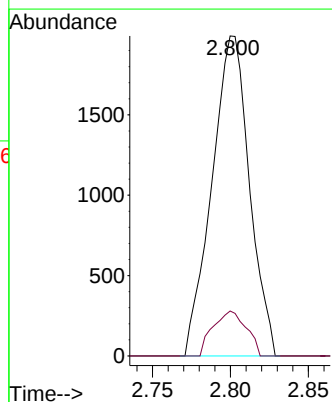
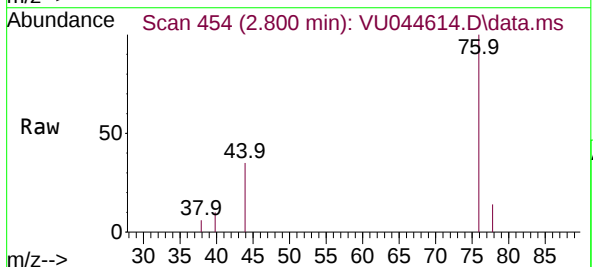
Instrument :
MSVOA_U
ClientSampleId :

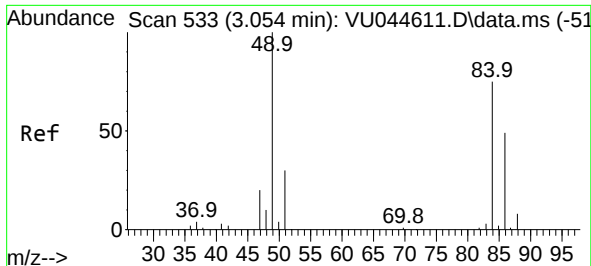
Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 97.6 66.4 123.4



#14
Carbon disulfide
Concen: 0.107 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

Tgt Ion: 76 Resp: 3338
Ion Ratio Lower Upper
76 100
78 14.1 7.4 11.0#

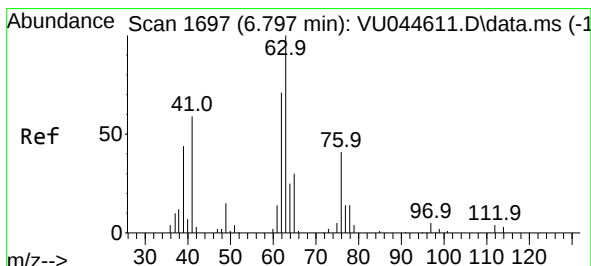
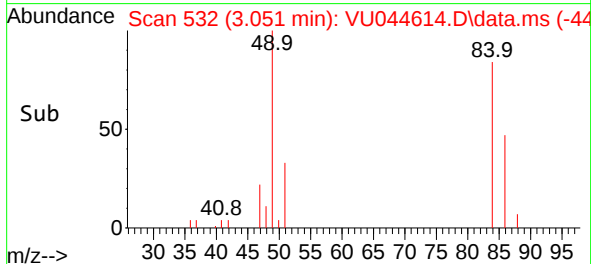
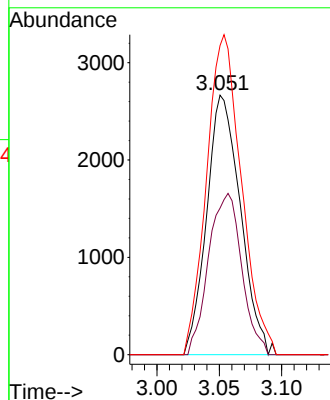
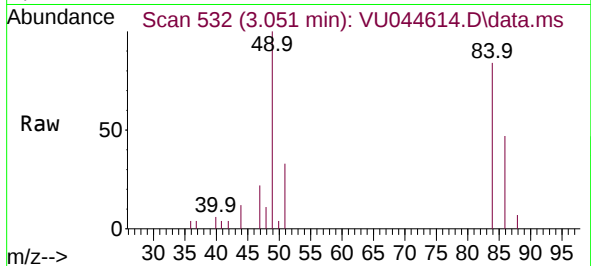




#16
Methylene chloride
Concen: 0.321 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

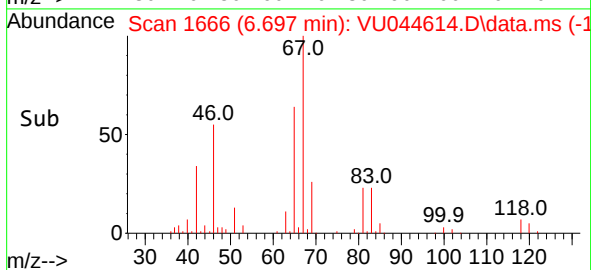
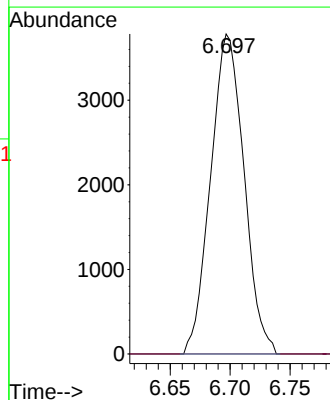
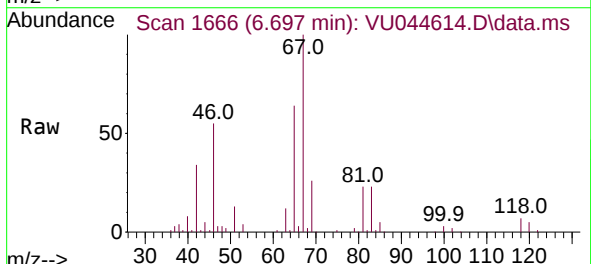
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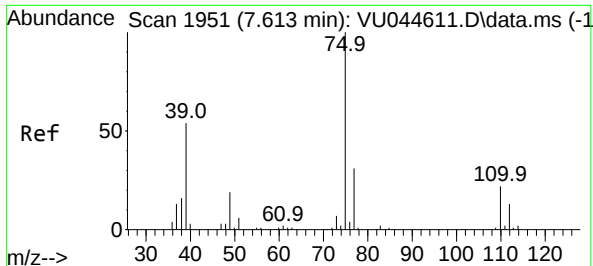
Tgt Ion: 84 Resp: 5015
Ion Ratio Lower Upper
84 100
86 56.5 45.8 85.2
49 119.1 92.9 172.5



#37
1,2-Dichloropropane
Concen: 0.606 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

Tgt Ion: 63 Resp: 7330
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

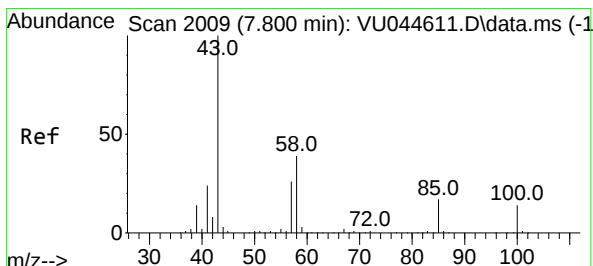
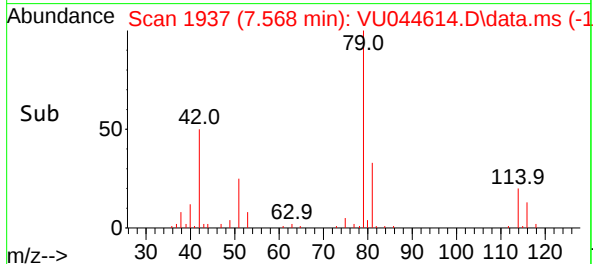
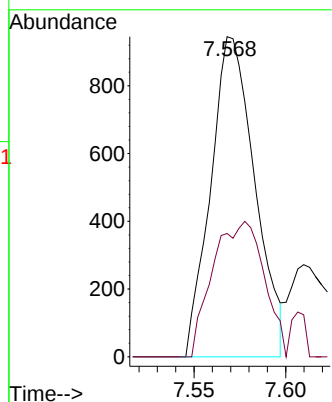
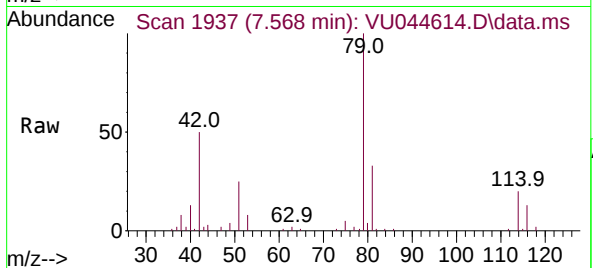




#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.568 min Scan# 1937
 Delta R.T. -0.045 min
 Lab File: VU044614.D
 Acq: 09 Sep 2021 15:15

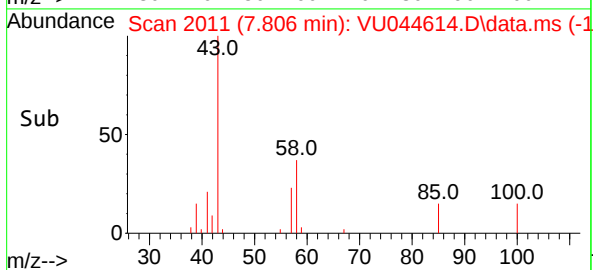
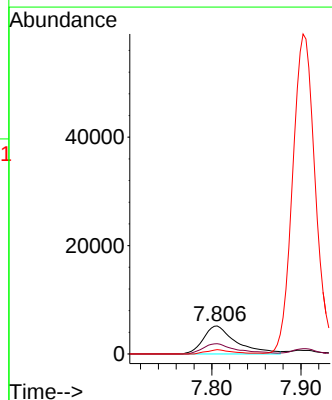
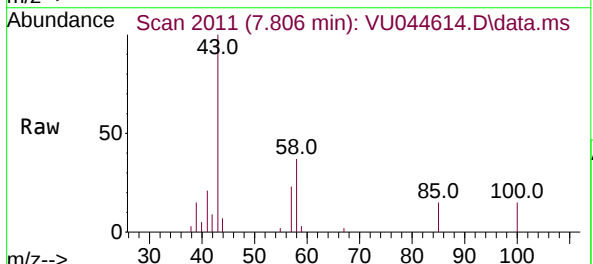
Instrument :
 MSVOA_U
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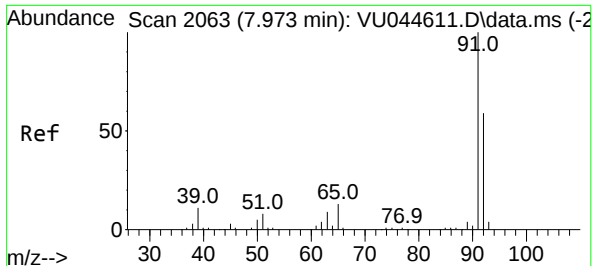
Tgt Ion: 75 Resp: 1580
 Ion Ratio Lower Upper
 75 100
 77 38.5 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 1.402 ug/L
 RT: 7.806 min Scan# 2011
 Delta R.T. 0.006 min
 Lab File: VU044614.D
 Acq: 09 Sep 2021 15:15

Tgt Ion: 43 Resp: 13192
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.2 46.8
 100 0.0 11.4 17.0#

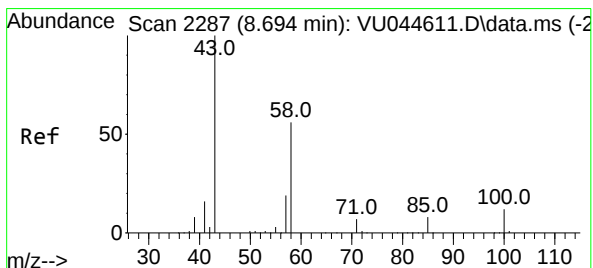
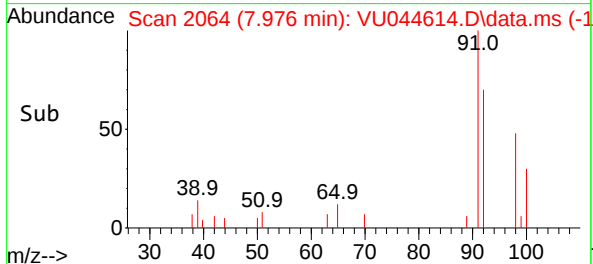
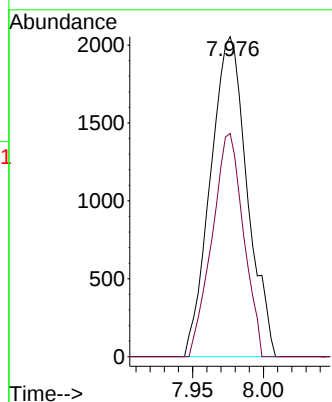
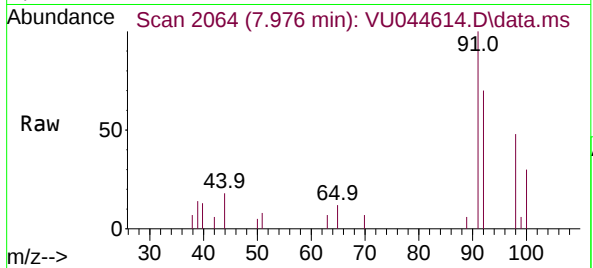




#42
Toluene
Concen: 0.079 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

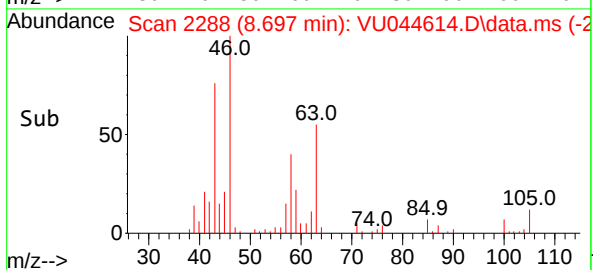
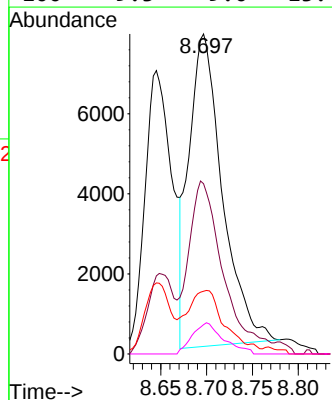
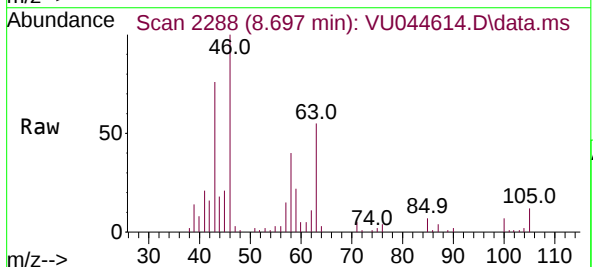
Instrument :
MSVOA_U
ClientSampled :

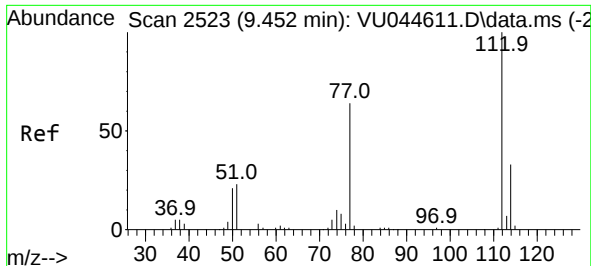
Tgt Ion: 91 Resp: 3703
Ion Ratio Lower Upper
91 100
92 69.8 41.1 76.3



#48
2-Hexanone
Concen: 2.824 ug/L
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

Tgt Ion: 43 Resp: 19777
Ion Ratio Lower Upper
43 100
58 52.1 44.6 66.8
57 22.6 14.8 22.2#
100 9.3 9.0 13.4

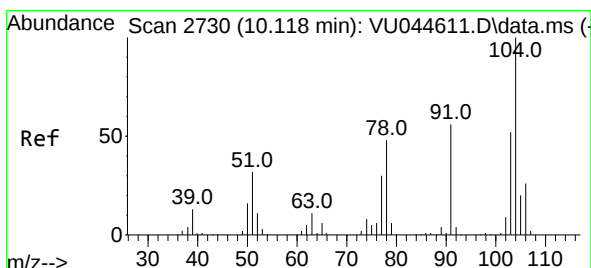
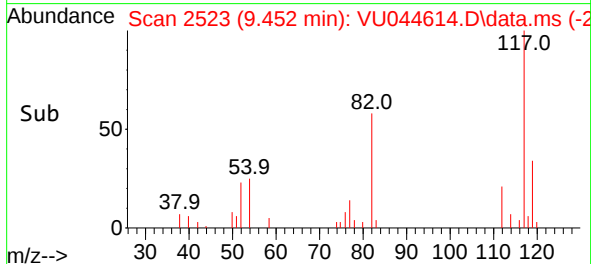
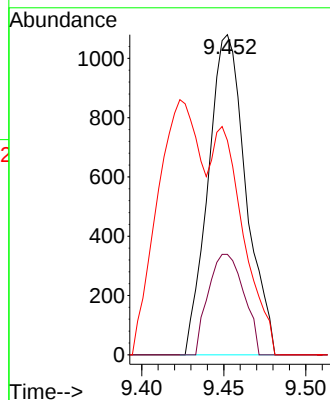
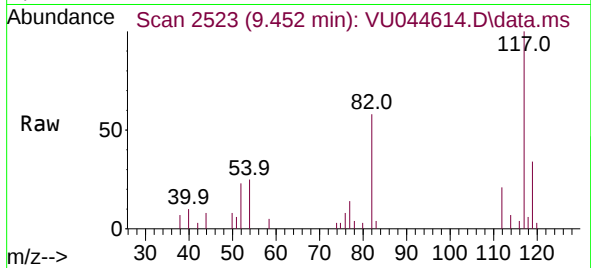




#51
Chlorobenzene
Concen: 0.059 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

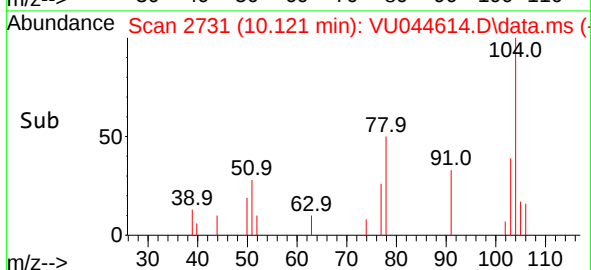
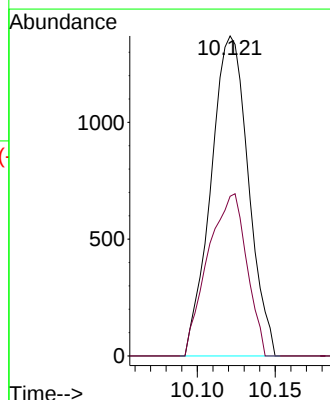
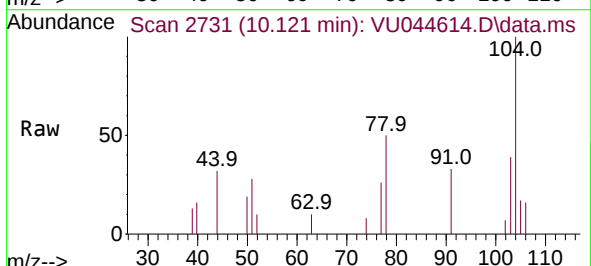
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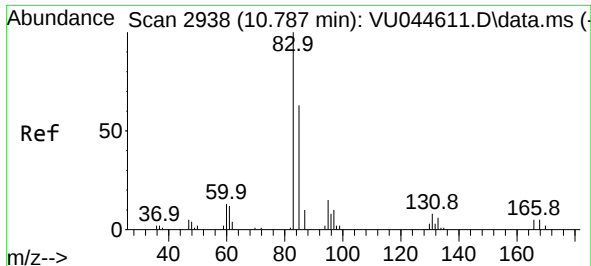
Tgt Ion:	112	Resp:	1728
Ion Ratio	Lower	Upper	
112	100		
114	31.4	22.8	42.4
77	66.9	51.4	77.0



#55
Styrene
Concen: 0.071 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

Tgt Ion:	104	Resp:	2288
Ion Ratio	Lower	Upper	
104	100		
78	49.9	33.6	62.4

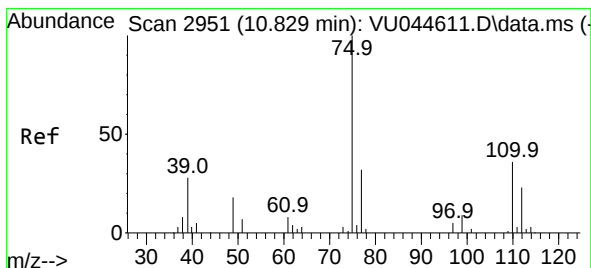
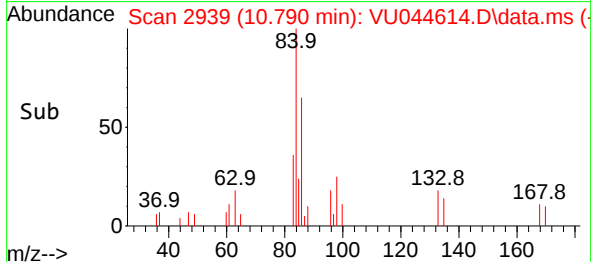
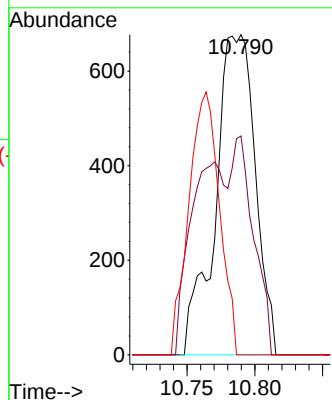
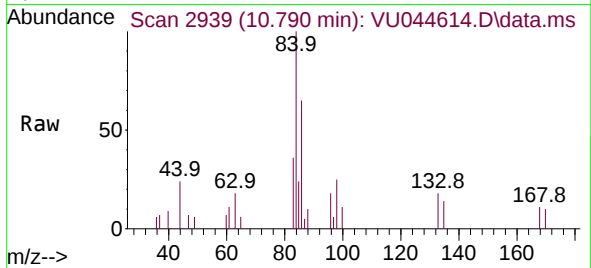




#57
1,1,2,2-Tetrachloroethane
Concen: 0.121 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. 0.003 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

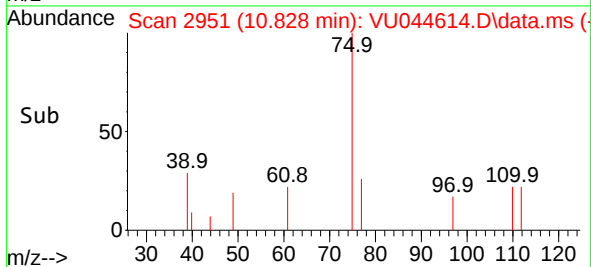
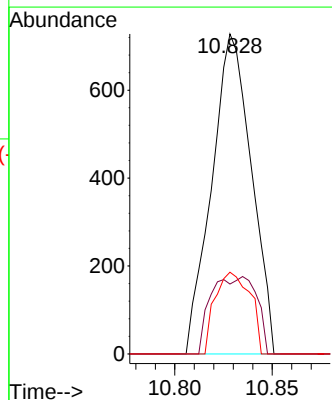
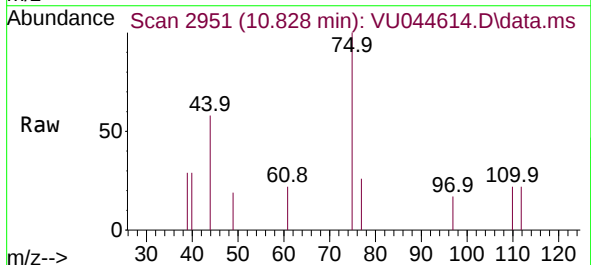
Instrument :
MSVOA_U
ClientSampleId :

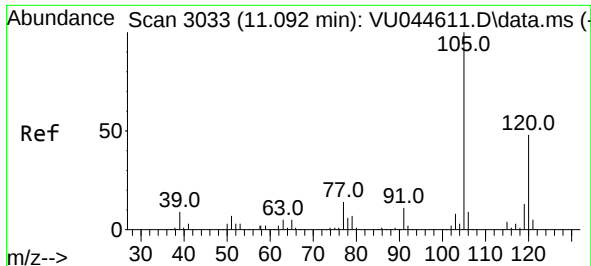
Tgt Ion: 83 Resp: 1391
Ion Ratio Lower Upper
83 100
85 68.4 44.5 82.7
131 0.0 6.6 10.0#



#61
1,2,3-Trichloropropane
Concen: 0.126 ug/L
RT: 10.828 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

Tgt Ion: 75 Resp: 1030
Ion Ratio Lower Upper
75 100
110 13.6 28.8 43.2#
77 22.5 25.9 38.9#

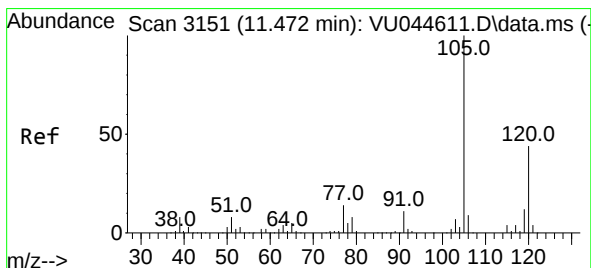
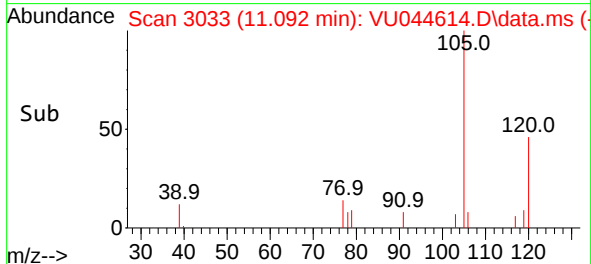
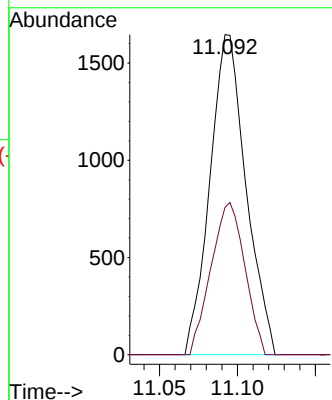
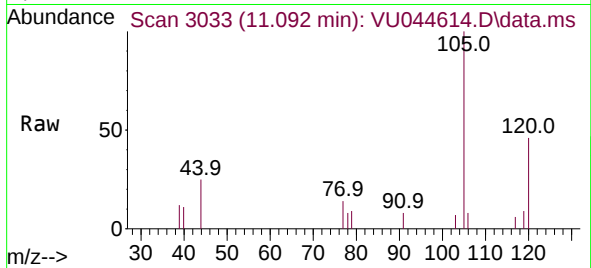




#62
1,3,5-Trimethylbenzene
Concen: 0.069 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

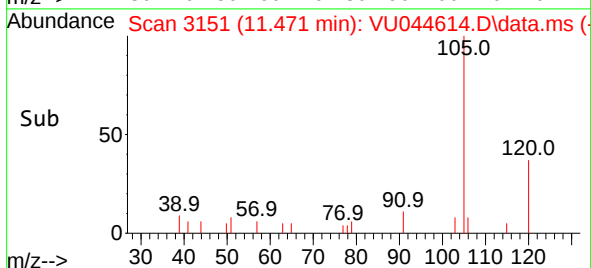
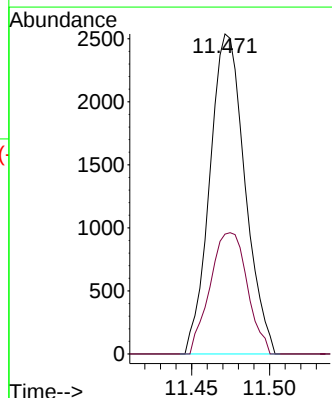
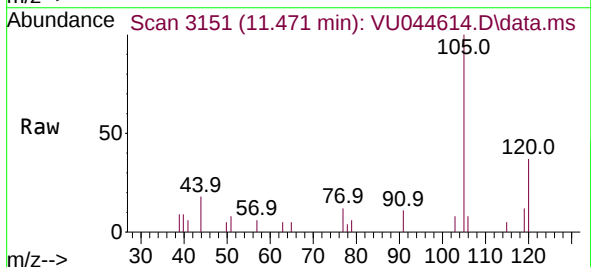
Instrument :
MSVOA_U
ClientSampleId :

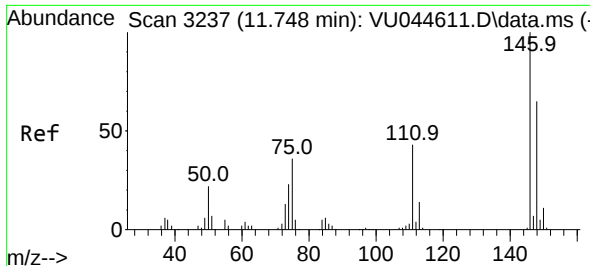
Tgt Ion:105 Resp: 2654
Ion Ratio Lower Upper
105 100
120 44.4 38.2 57.2



#63
1,2,4-Trimethylbenzene
Concen: 0.101 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

Tgt Ion:105 Resp: 3969
Ion Ratio Lower Upper
105 100
120 40.2 35.4 53.2

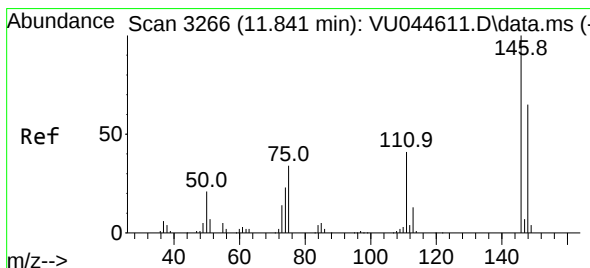
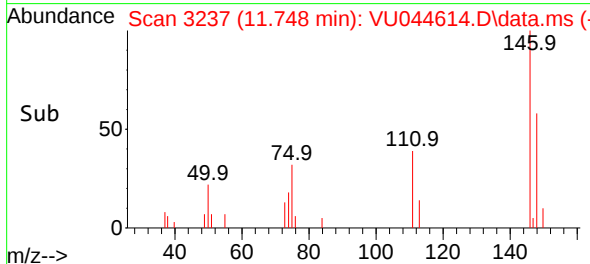
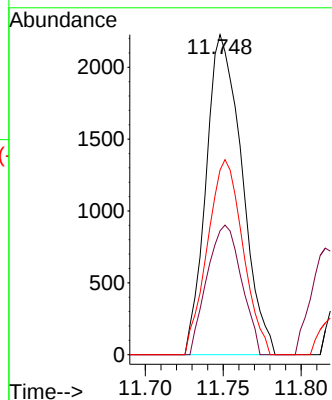
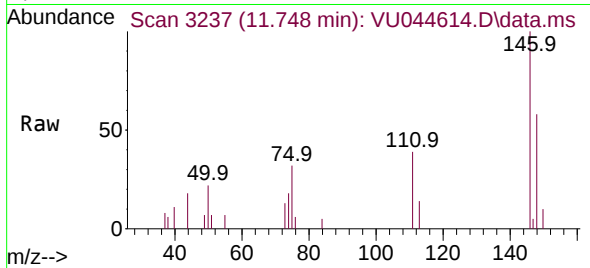




#64
1,3-Dichlorobenzene
Concen: 0.165 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

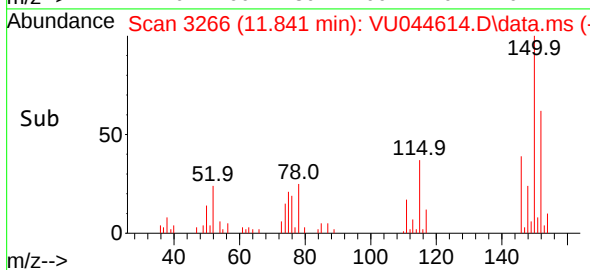
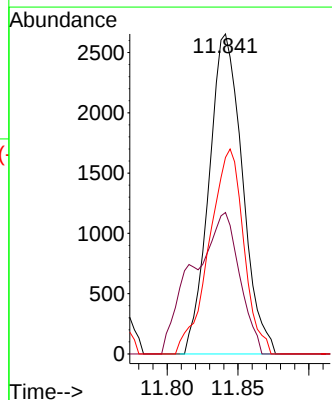
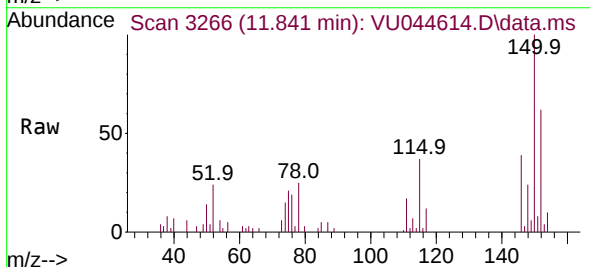
Instrument :
MSVOA_U
ClientSampleId :

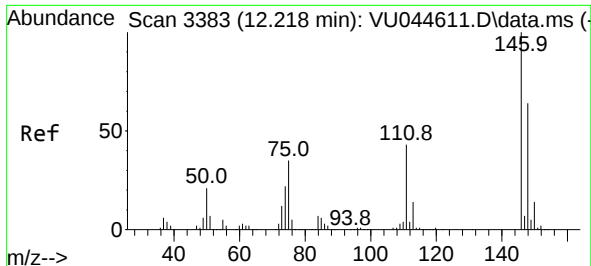
Tgt Ion:146 Resp: 3556
Ion Ratio Lower Upper
146 100
111 38.7 29.8 55.4
148 57.7 45.2 84.0



#65
1,4-Dichlorobenzene
Concen: 0.196 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

Tgt Ion:146 Resp: 4356
Ion Ratio Lower Upper
146 100
111 44.2 28.7 53.3
148 61.4 45.4 84.4

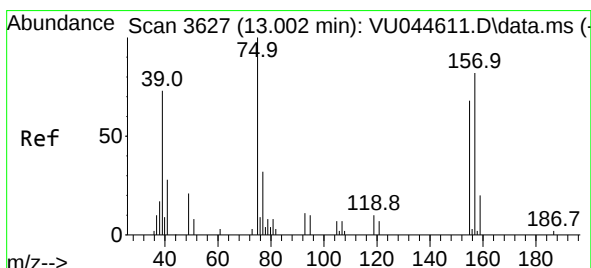
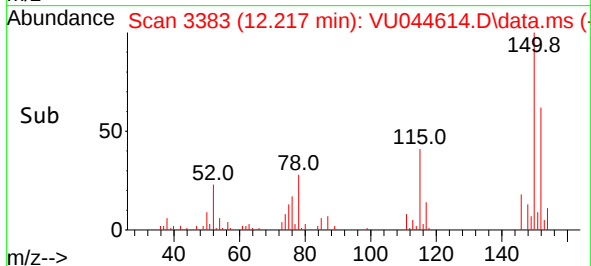
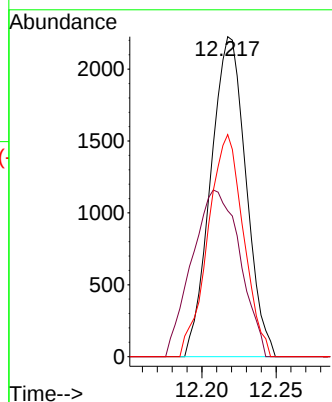
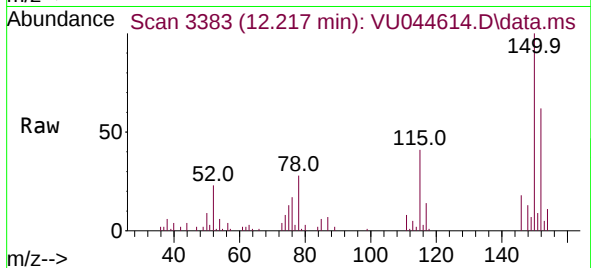




#67
1,2-Dichlorobenzene
Concen: 0.179 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

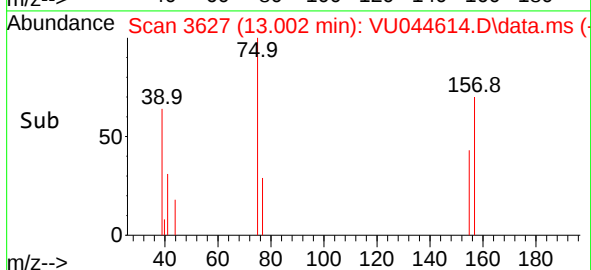
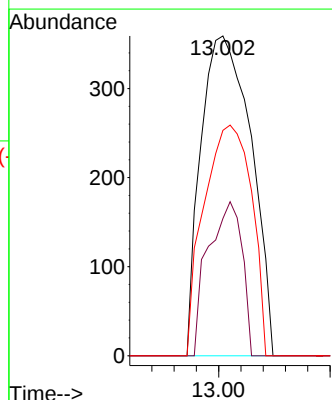
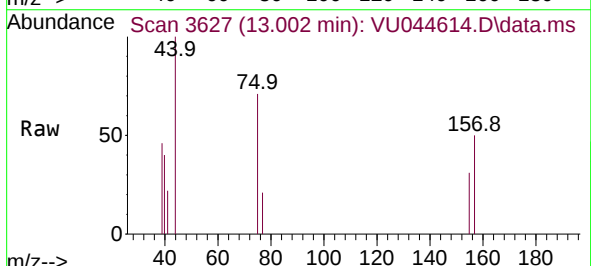
Instrument :
MSVOA_U
ClientSampleId :

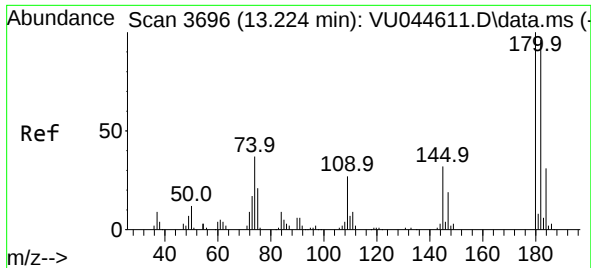
Tgt Ion:146 Resp: 3670
Ion Ratio Lower Upper
146 100
111 45.6 34.6 51.8
148 69.4 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 0.313 ug/L
RT: 13.002 min Scan# 3627
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

Tgt Ion: 75 Resp: 561
Ion Ratio Lower Upper
75 100
155 42.9 54.0 81.0#
157 70.5 65.4 98.2

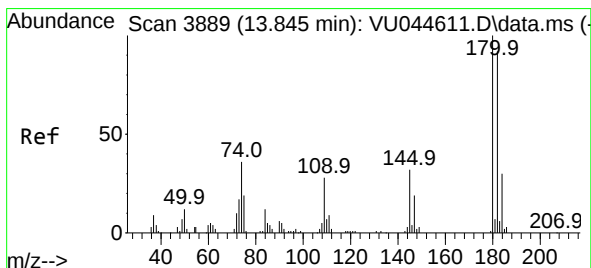
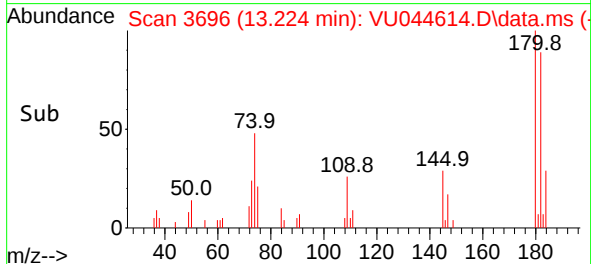
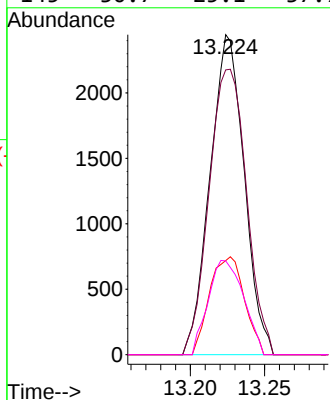
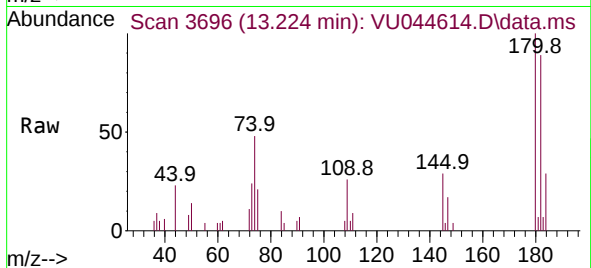




#69
1,3,5-Trichlorobenzene
Concen: 0.239 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

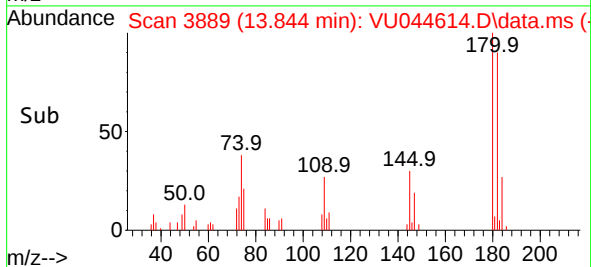
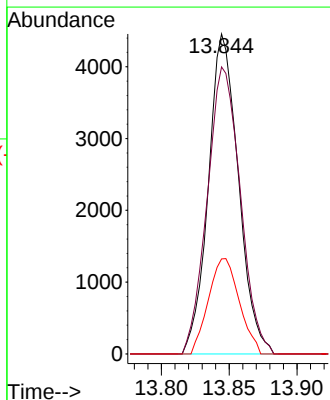
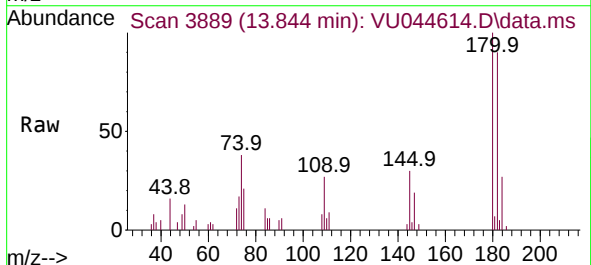
Instrument :
MSVOA_U
ClientSampleId :

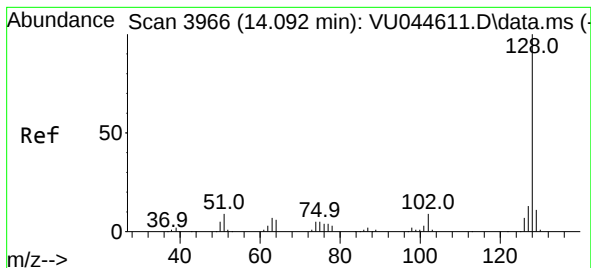
Tgt Ion:	180	Resp:	3908
Ion Ratio	Lower	Upper	
180	100		
182	97.9	76.9	115.3
184	31.2	24.1	36.1
145	30.7	25.1	37.7



#70
1,2,4-trichlorobenzene
Concen: 0.497 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

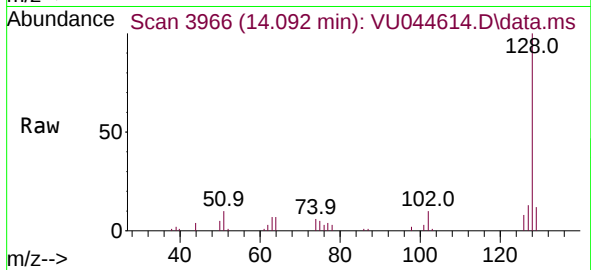
Tgt Ion:	180	Resp:	6869
Ion Ratio	Lower	Upper	
180	100		
182	98.4	75.4	113.0
145	30.5	25.2	37.8



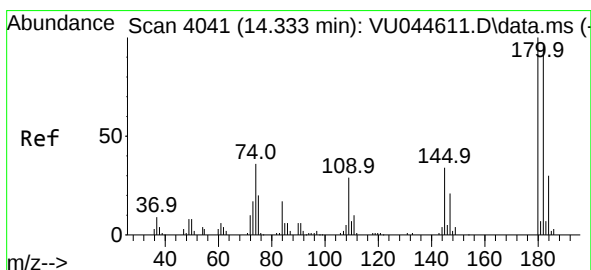
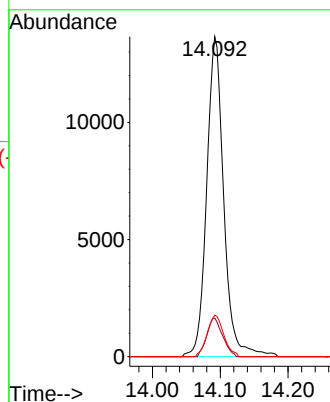
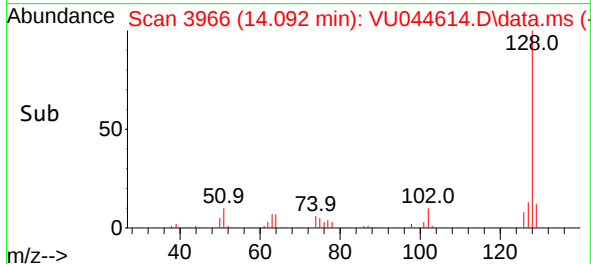


#71
Naphthalene
Concen: 0.885 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15

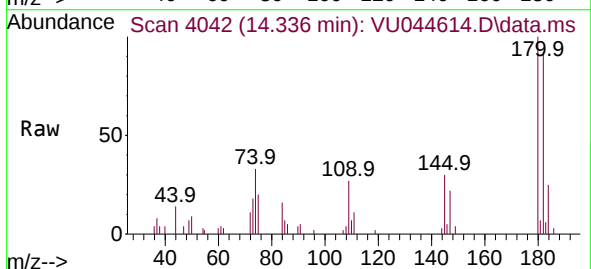
Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 23852
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 12.6 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 0.581 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.003 min
Lab File: VU044614.D
Acq: 09 Sep 2021 15:15



Tgt Ion:180 Resp: 7395
Ion Ratio Lower Upper
180 100
182 94.8 75.9 113.9
145 30.8 27.0 40.6

