

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055614.D
 Acq On : 02 Oct 2023 19:05
 Operator : MD/SY
 Sample : 04679-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 04:59:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	155312	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	158243	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	85060	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	66139	4.213	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.911	69	64405	4.656	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.563	65	25383	3.929	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	4.637	46	94525	33.339	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.680%
24) Chloroform-d	5.059	84	129045	4.545	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	5.702	65	63486	4.648	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.727	84	235348	4.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.689	67	76429	4.621	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.894	98	199328	3.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	8.181	79	24683	4.253	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.634	63	87054	49.314	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.620%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	61874	4.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	77029	4.487	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	2403	0.181	ug/L	98
5) Vinyl chloride	1.602	62	8628	0.601	ug/L #	75
8) Chloroethane	1.933	64	1700	0.182	ug/L #	77
16) Methylene chloride	3.043	84	4071	0.313	ug/L	88
18) trans-1,2-Dichloroethene	3.354	96	3327	0.304	ug/L	98
22) cis-1,2-Dichloroethene	4.666	96	42012	3.311	ug/L	97
34) Trichloroethene	6.541	95	9955	0.773	ug/L	91
42) Toluene	7.968	91	12023	0.247	ug/L	94
48) 2-Hexanone	8.692	43	16461	3.931	ug/L #	72
51) Chlorobenzene	9.444	112	137389	4.415	ug/L	98
61) 1,2,3-Trichloropropane	11.743	75	88276	13.294	ug/L #	48
64) 1,3-Dichlorobenzene	11.743	146	265905	11.329	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	277593	11.834	ug/L	99
67) 1,2-Dichlorobenzene	12.213	146	26219	1.218	ug/L	92
68) 1,2-Dibromo-3-chloropr...	13.219	75	1695	1.473	ug/L #	2
69) 1,3,5-Trichlorobenzene	13.222	180	8167	0.505	ug/L	96
70) 1,2,4-trichlorobenzene	13.836	180	266213	21.604	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	8460	0.789	ug/L	89

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QLast Update : Wed Sep 27 23:33:30 2023
Response via : Initial Calibration

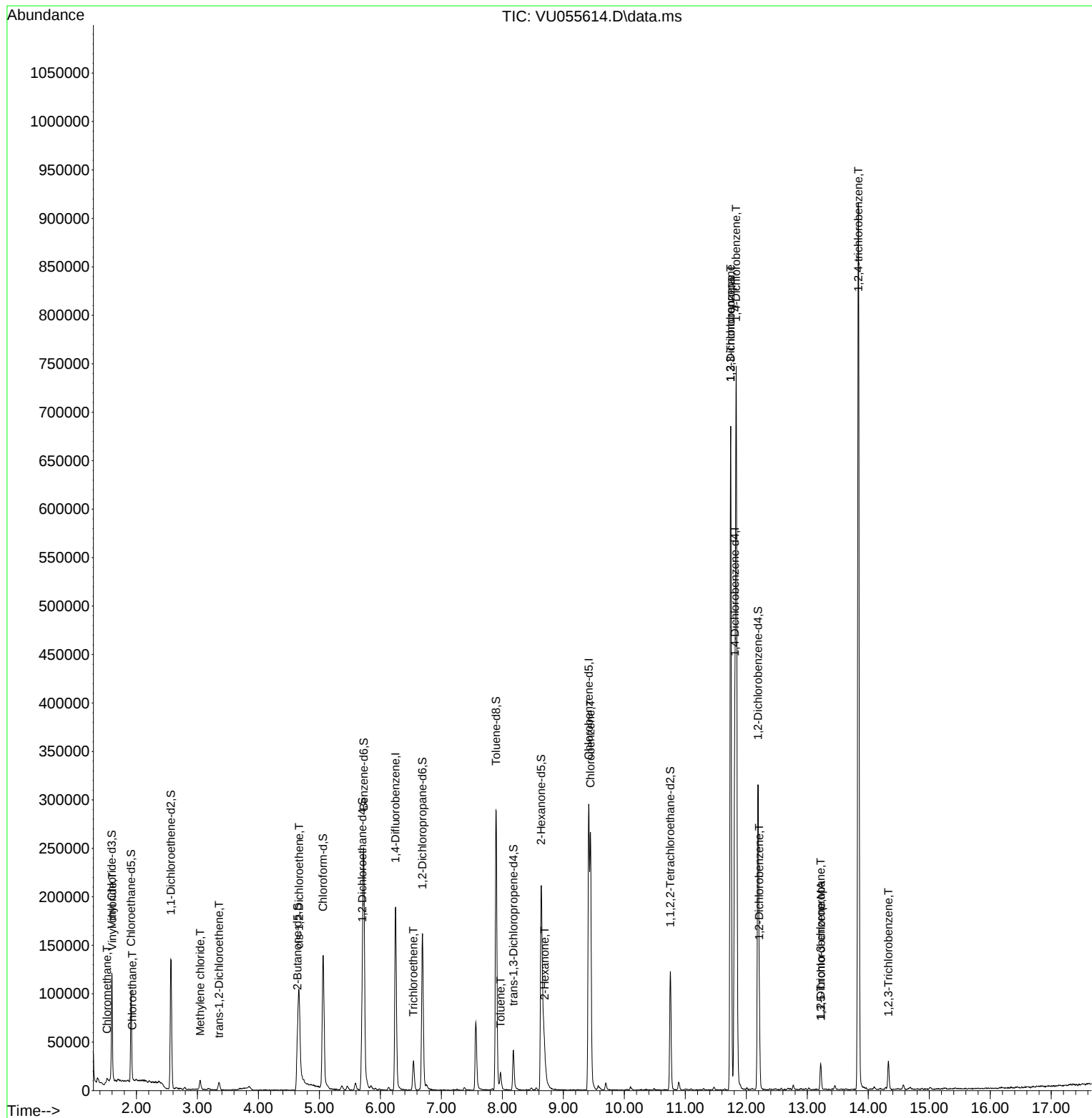
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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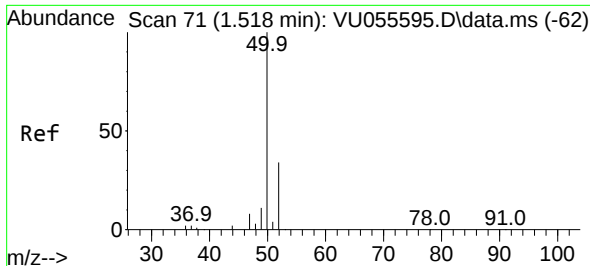
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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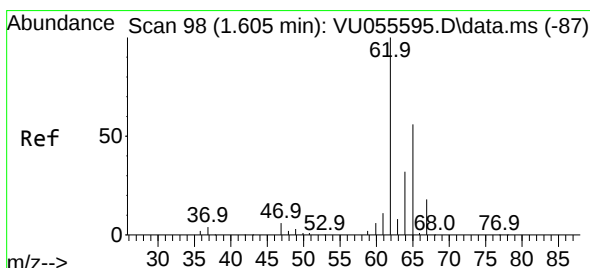
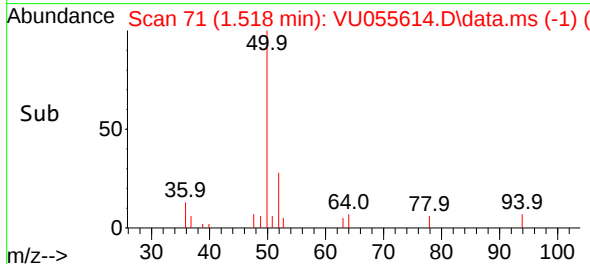
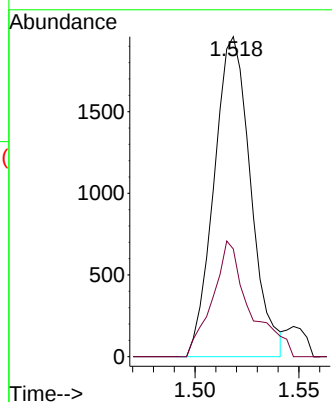
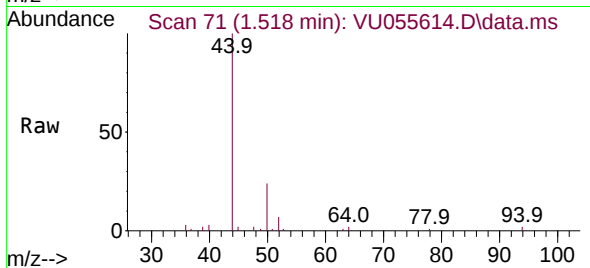
#3
Chloromethane
Concen: 0.181 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

Instrument :

MSVOA_U

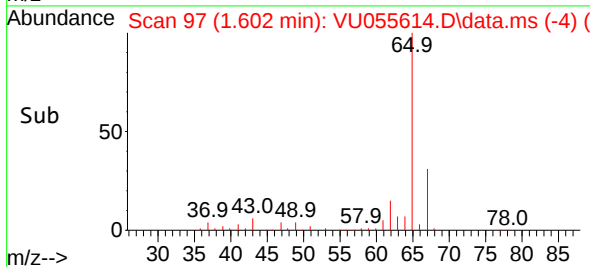
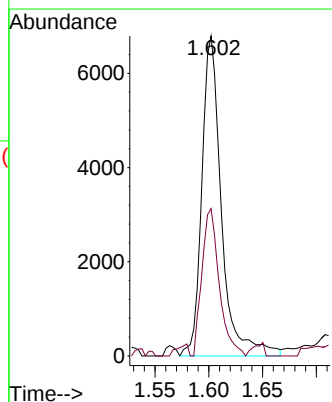
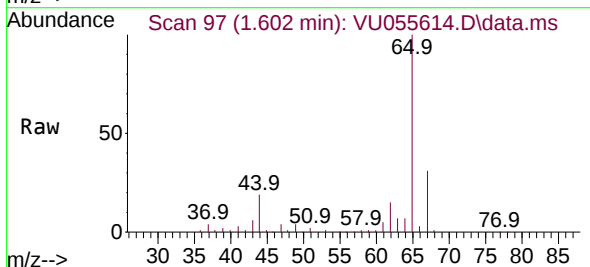
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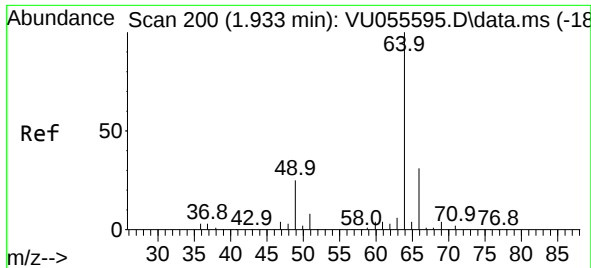
Tgt Ion: 50 Resp: 2403
Ion Ratio Lower Upper
50 100
52 33.6 22.9 42.5



#5
Vinyl chloride
Concen: 0.601 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

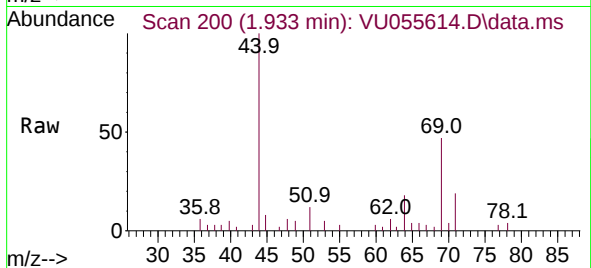
Tgt Ion: 62 Resp: 8628
Ion Ratio Lower Upper
62 100
64 46.1 22.3 41.5#



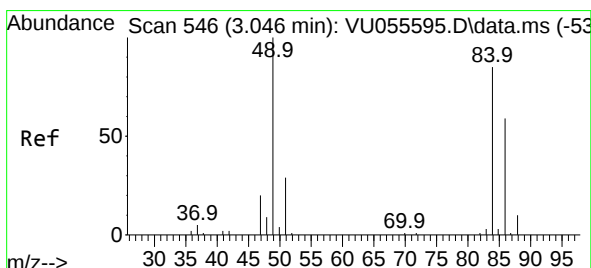
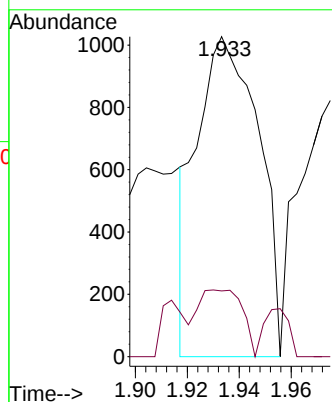
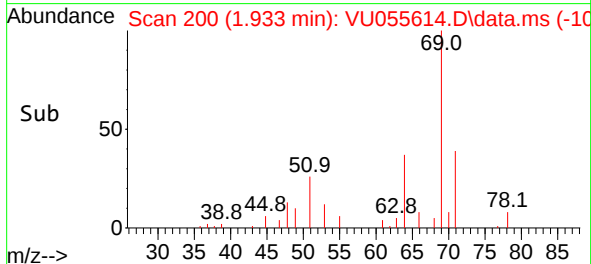


#8
Chloroethane
Concen: 0.182 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

Instrument :
MSVOA_U
ClientSampleId :

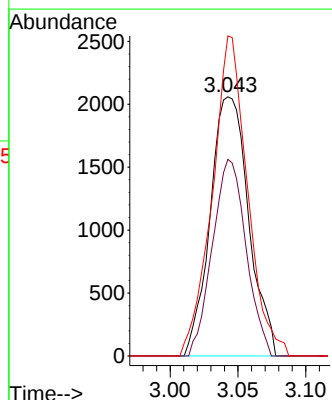
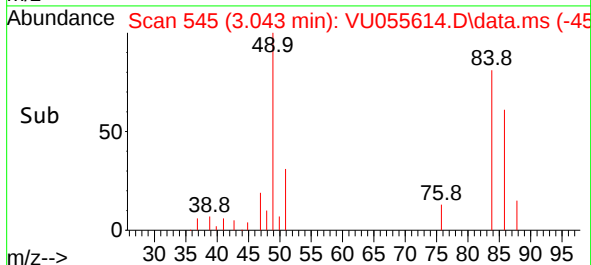
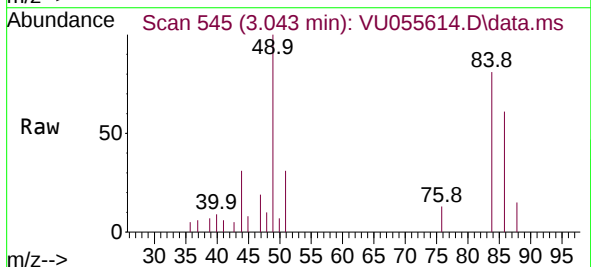


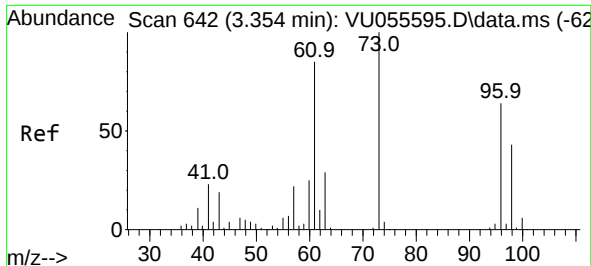
Tgt Ion: 64 Resp: 1700
Ion Ratio Lower Upper
64 100
66 20.5 23.7 44.1#



#16
Methylene chloride
Concen: 0.313 ug/L
RT: 3.043 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

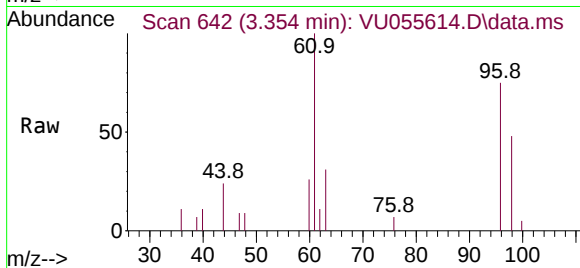
Tgt Ion: 84 Resp: 4071
Ion Ratio Lower Upper
84 100
86 75.9 44.9 83.3
49 123.4 78.8 146.3





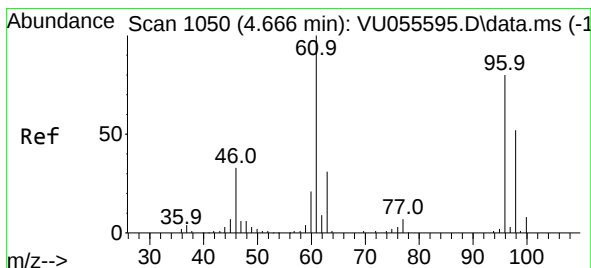
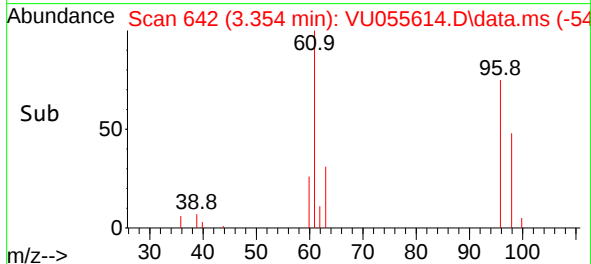
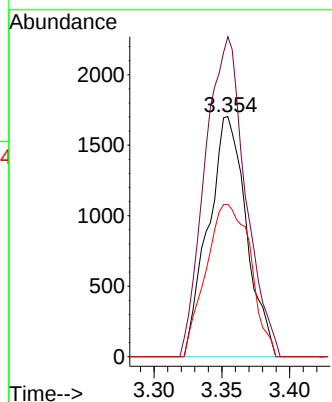
#18
 trans-1,2-Dichloroethene
 Concen: 0.304 ug/L
 RT: 3.354 min Scan# 642
 Delta R.T. 0.003 min
 Lab File: VU055614.D
 Acq: 02 Oct 2023 19:05

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 3327

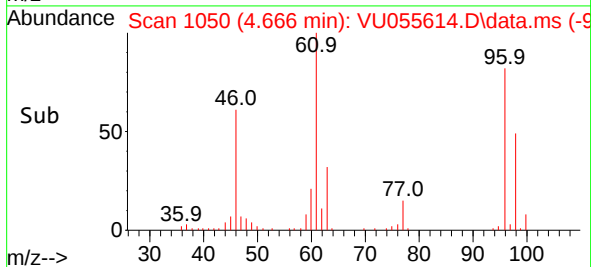
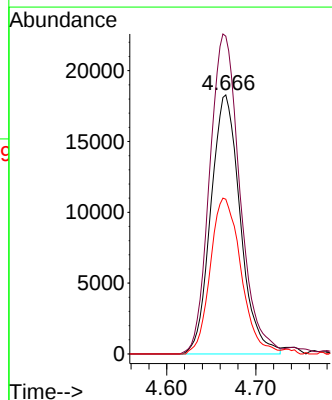
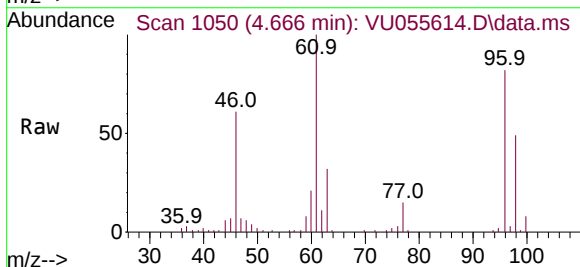
Ion	Ratio	Lower	Upper
96	100		
61	133.2	94.6	175.6
98	63.4	45.7	84.9

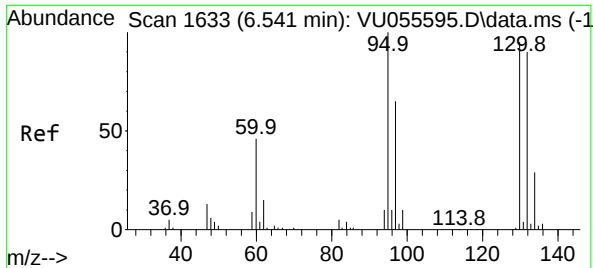


#22
 cis-1,2-Dichloroethene
 Concen: 3.311 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU055614.D
 Acq: 02 Oct 2023 19:05

Tgt Ion: 96 Resp: 42012

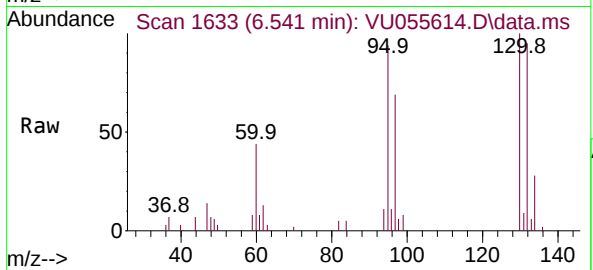
Ion	Ratio	Lower	Upper
96	100		
61	122.7	87.8	163.2
98	59.7	44.4	82.4



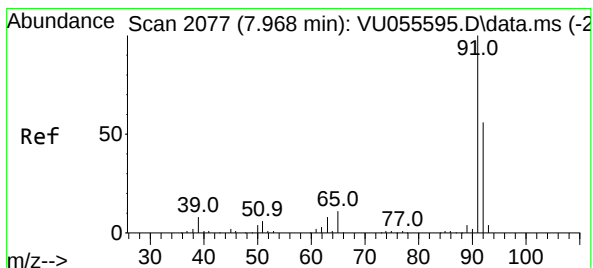
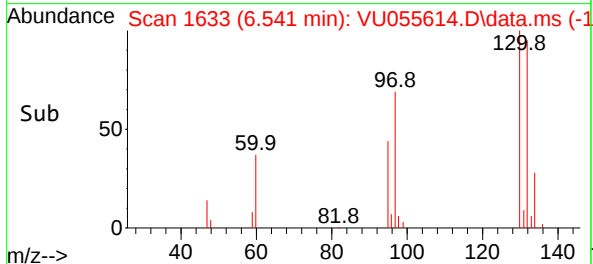
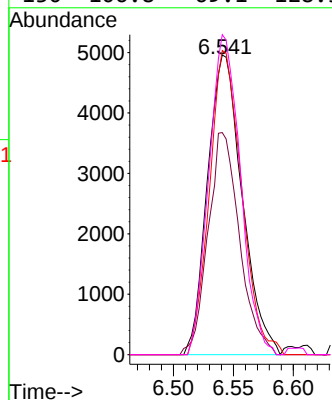


#34
Trichloroethene
Concen: 0.773 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

Instrument :
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ClientSampleId :

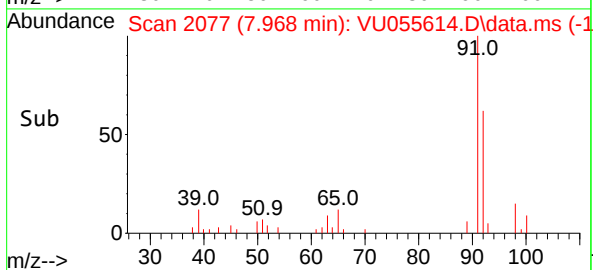
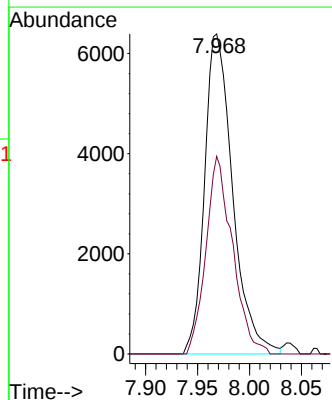
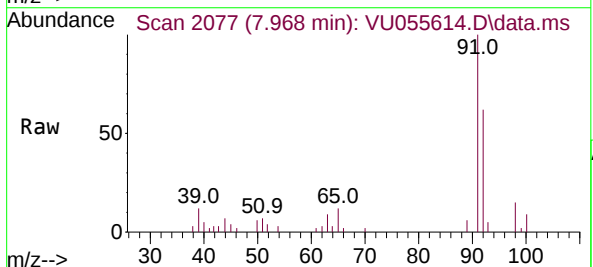


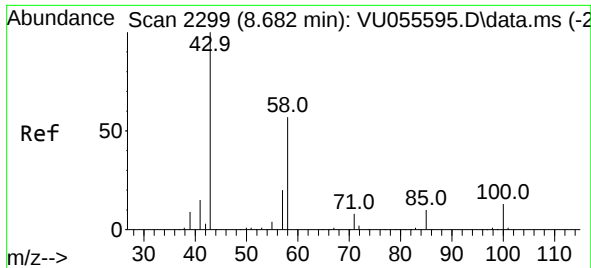
Tgt Ion: 95 Resp: 9955
Ion Ratio Lower Upper
95 100
97 74.1 45.4 84.2
132 101.5 65.2 121.2
130 106.8 69.1 128.3



#42
Toluene
Concen: 0.247 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

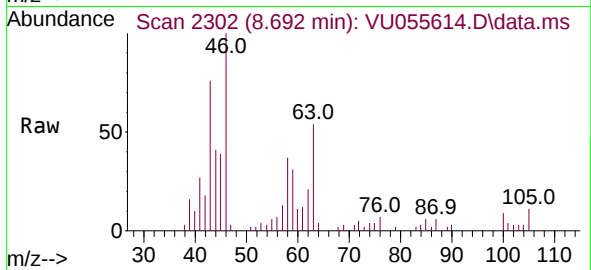
Tgt Ion: 91 Resp: 12023
Ion Ratio Lower Upper
91 100
92 61.8 40.3 74.8



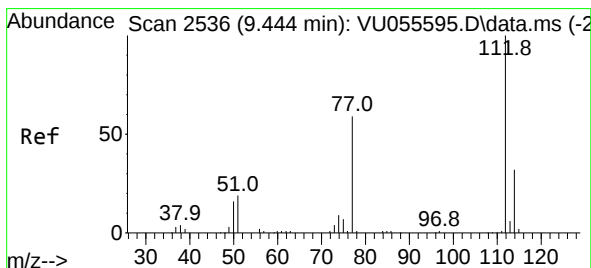
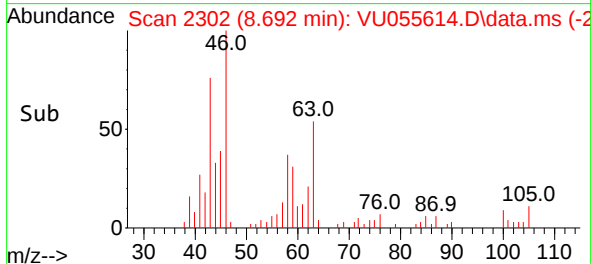
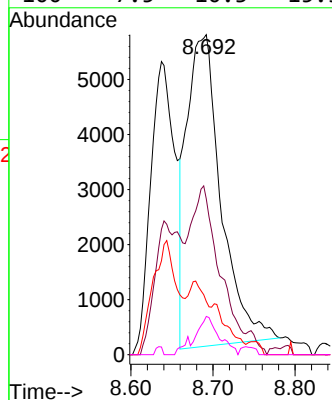


#48
2-Hexanone
Concen: 3.931 ug/L
RT: 8.692 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

Instrument :
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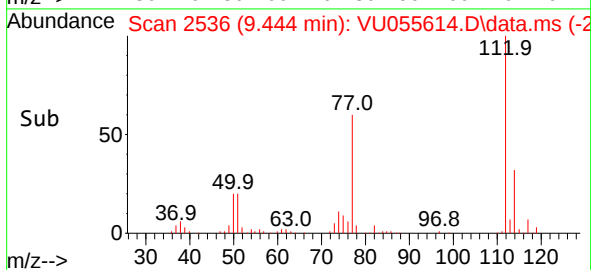
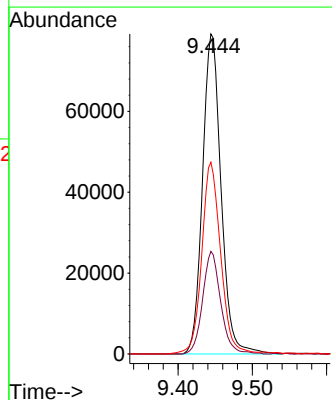
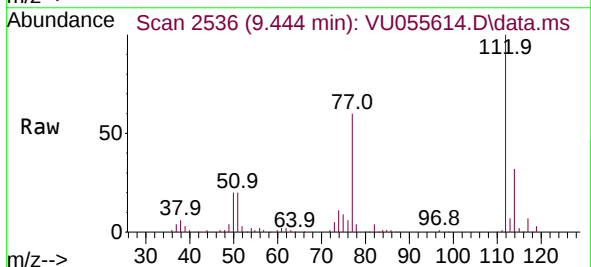


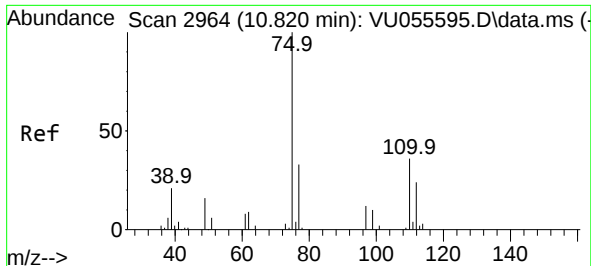
Tgt Ion:	43	Resp:	16461
Ion	Ratio	Lower	Upper
43	100		
58	38.5	48.5	72.7#
57	4.6	17.0	25.4#
100	7.5	10.3	15.5#



#51
Chlorobenzene
Concen: 4.415 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055614.D
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Tgt Ion:	112	Resp:	137389
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.0	40.8
77	59.9	46.9	70.3

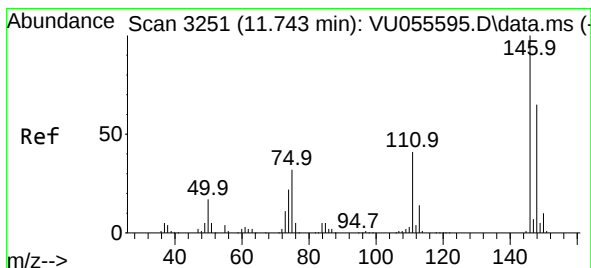
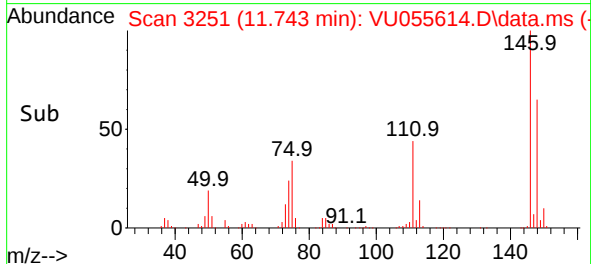
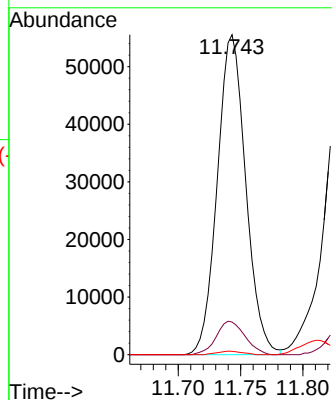
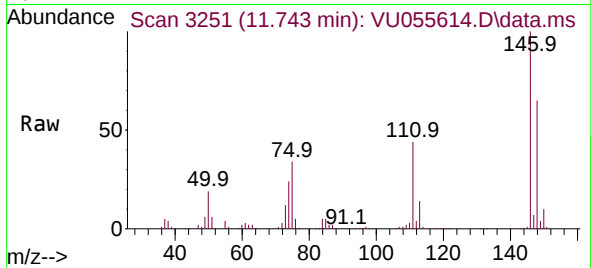




#61
1,2,3-Trichloropropane
Concen: 13.294 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

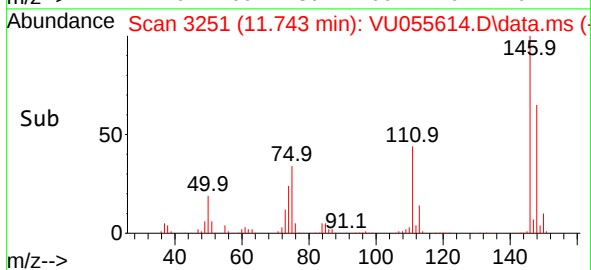
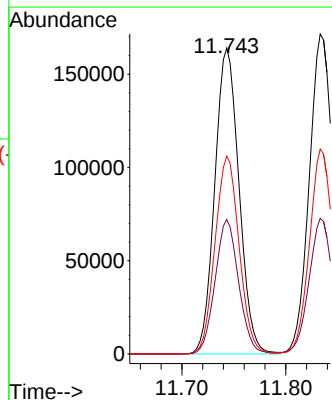
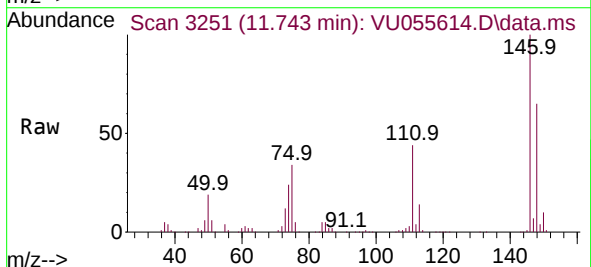
Instrument :
MSVOA_U
ClientSampleId :

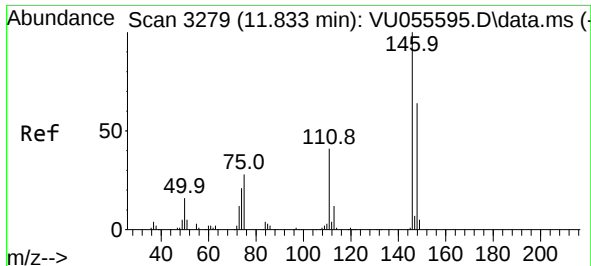
Tgt Ion: 75 Resp: 88276
Ion Ratio Lower Upper
75 100
110 10.6 30.6 45.8#
77 0.0 26.7 40.1#



#64
1,3-Dichlorobenzene
Concen: 11.329 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

Tgt Ion:146 Resp: 265905
Ion Ratio Lower Upper
146 100
111 43.9 28.8 53.6
148 64.7 44.6 82.8

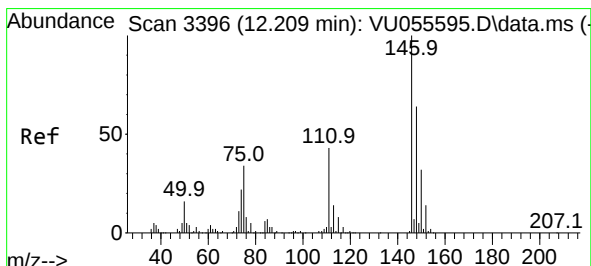
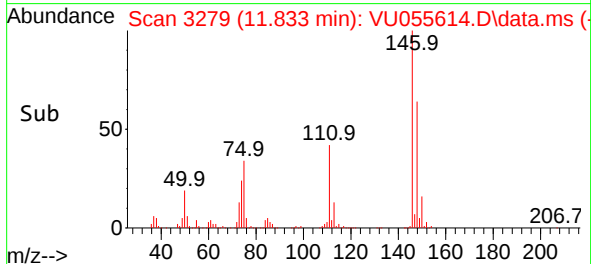
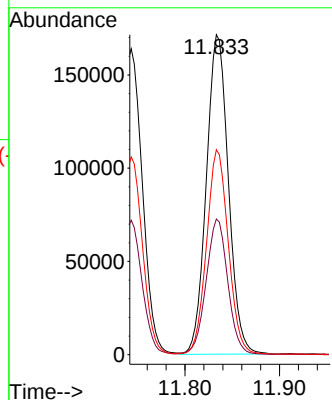
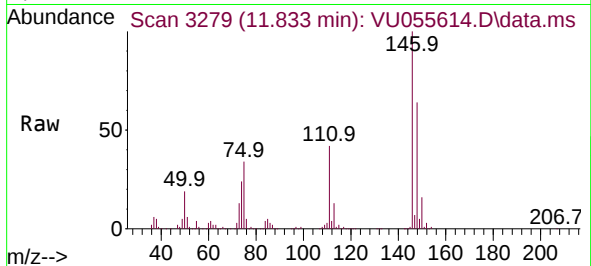




#65
1,4-Dichlorobenzene
Concen: 11.834 ug/L
RT: 11.833 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

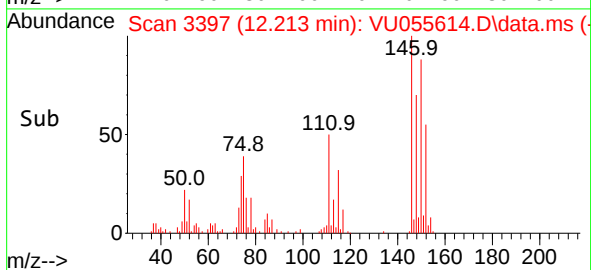
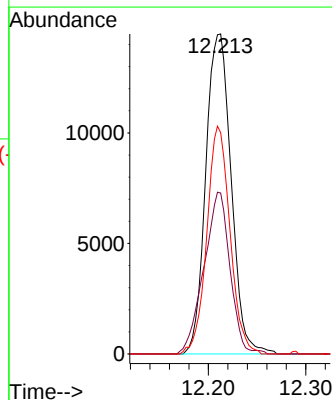
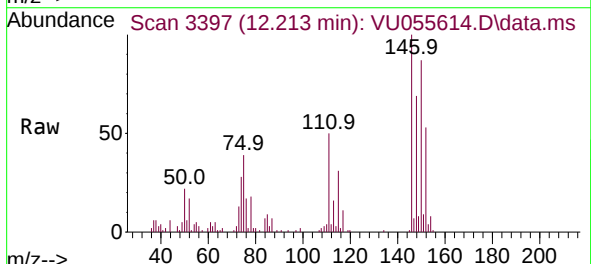
Instrument :
MSVOA_U
ClientSampleId :

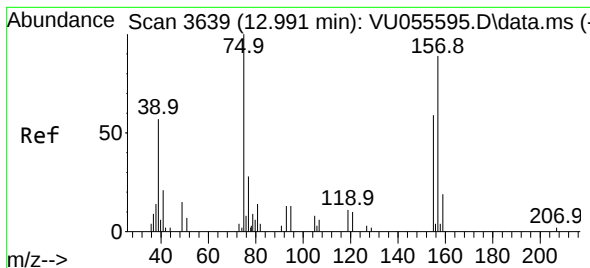
Tgt Ion:146 Resp: 277593
Ion Ratio Lower Upper
146 100
111 42.4 29.0 53.8
148 64.1 45.4 84.4



#67
1,2-Dichlorobenzene
Concen: 1.218 ug/L
RT: 12.213 min Scan# 3397
Delta R.T. 0.003 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

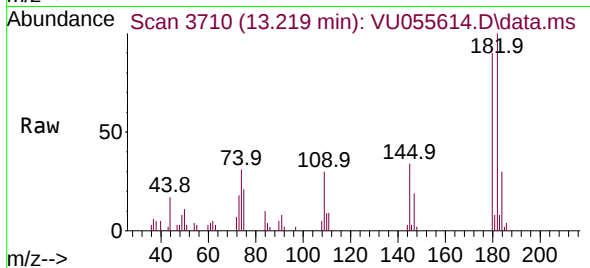
Tgt Ion:146 Resp: 26219
Ion Ratio Lower Upper
146 100
111 50.3 34.6 52.0
148 69.1 51.8 77.8



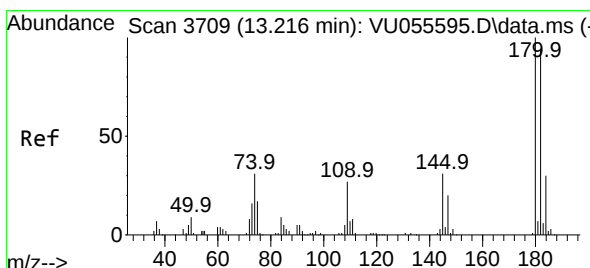
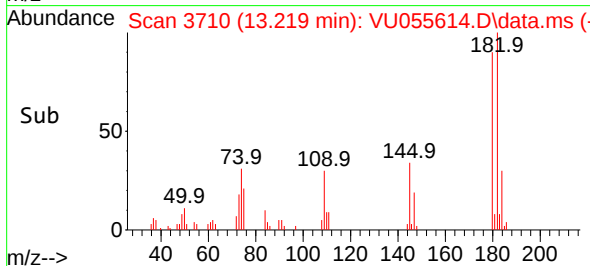
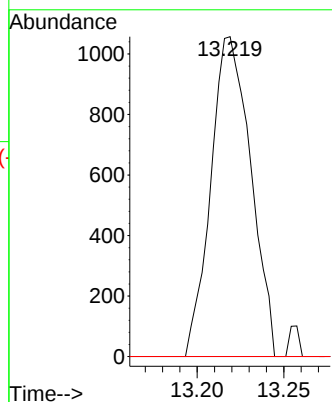


#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.473 ug/L
 RT: 13.219 min Scan# 3710
 Delta R.T. 0.225 min
 Lab File: VU055614.D
 Acq: 02 Oct 2023 19:05

Instrument :
 MSVOA_U
 ClientSampleId :

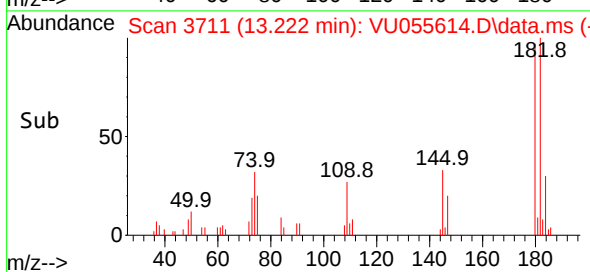
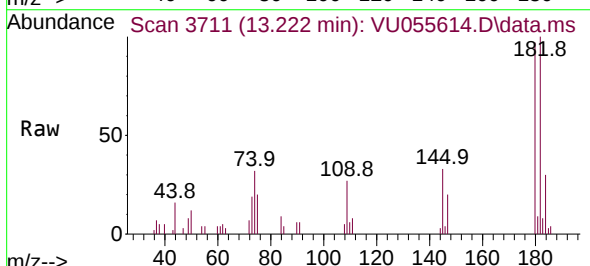
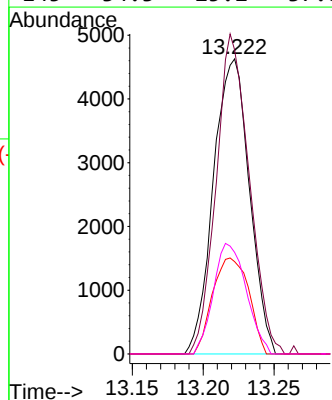


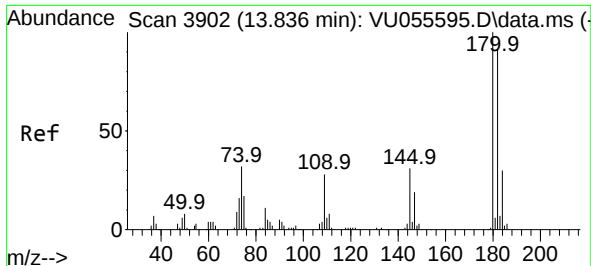
Tgt Ion: 75 Resp: 1695
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.2 103.8#
 157 0.0 81.9 122.9#



#69
 1,3,5-Trichlorobenzene
 Concen: 0.505 ug/L
 RT: 13.222 min Scan# 3711
 Delta R.T. 0.006 min
 Lab File: VU055614.D
 Acq: 02 Oct 2023 19:05

Tgt Ion:180 Resp: 8167
 Ion Ratio Lower Upper
 180 100
 182 99.5 77.1 115.7
 184 32.8 24.0 36.0
 145 34.3 25.2 37.8

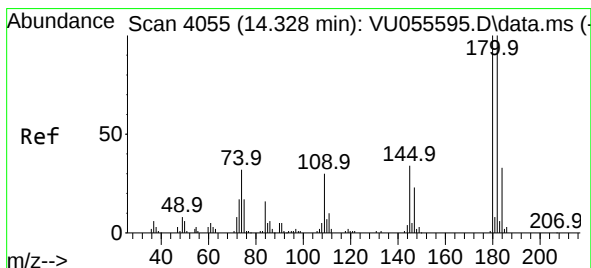
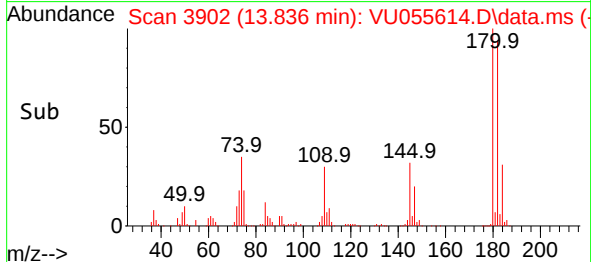
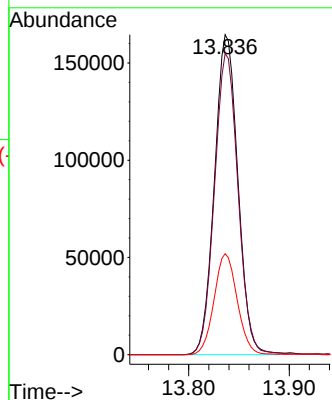
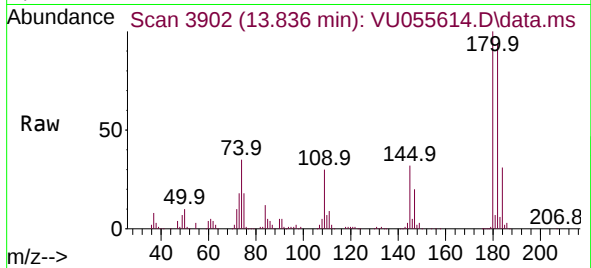




#70
1,2,4-trichlorobenzene
Concen: 21.604 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. -0.000 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 266213
Ion Ratio Lower Upper
180 100
182 94.8 76.4 114.6
145 31.3 25.4 38.0



#72
1,2,3-Trichlorobenzene
Concen: 0.789 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

Tgt Ion:180 Resp: 8460
Ion Ratio Lower Upper
180 100
182 105.6 76.2 114.4
145 38.4 26.0 39.0

