

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061843.D
 Acq On : 19 Nov 2024 04:41
 Operator : MD/SY
 Sample : P4885-14
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 05:02:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 19 03:37:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	173751	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	215995	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	68803	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	33504	2.984	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.600%
7) Chloroethane-d5	1.907	69	33751	3.522	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.400%
11) 1,1-Dichloroethene-d2	2.560	65	16470	3.270	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	4.611	46	104914	44.030	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.060%
24) Chloroform-d	5.052	84	91146	4.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	5.692	65	48408	4.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.718	84	182068	3.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	61.000%#
36) 1,2-Dichloropropane-d6	6.682	67	58110	3.297	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	66.000%
41) Toluene-d8	7.891	98	228414	4.101	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.174	79	22836	3.518	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.400%
46) 2-Hexanone-d5	8.624	63	103993	40.539	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.080%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	47226	3.399	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	68.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	56591	4.618	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	6690	0.595	ug/L	95
16) Methylene chloride	3.036	84	32778	2.712	ug/L	94
17) Methyl tert-butyl Ether	3.357	73	4594	0.179	ug/L #	88
22) cis-1,2-Dichloroethene	4.653	96	2507	0.193	ug/L	78
27) 1,2-Dichloroethane	5.795	62	4976	0.359	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	35148	1.430	ug/L	99
31) Carbon tetrachloride	5.309	117	4560	0.218	ug/L	97
34) Trichloroethene	6.534	95	28828	1.633	ug/L	98
35) Methylcyclohexane	6.682	83	13691	0.514	ug/L #	22
37) 1,2-Dichloropropane	6.676	63	6046	0.365	ug/L #	89
42) Toluene	7.965	91	51340	0.729	ug/L	98
47) Tetrachloroethene	8.544	164	71052	5.357	ug/L	97
49) Dibromochloromethane	8.544	129	68989	5.442	ug/L #	10
51) Chlorobenzene	9.441	112	22043	0.487	ug/L	95
52) Ethylbenzene	9.566	91	15871	0.212	ug/L	99
53) m,p-Xylene	9.692	106	12538	0.437	ug/L	82
57) 1,1,2,2-Tetrachloroethane	10.772	83	2455	0.167	ug/L #	89
61) 1,2,3-Trichloropropane	11.804	75	9092	1.403	ug/L #	63
67) 1,2-Dichlorobenzene	12.203	146	9764	0.480	ug/L #	84

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 19 03:37:44 2024
Response via : Initial Calibration

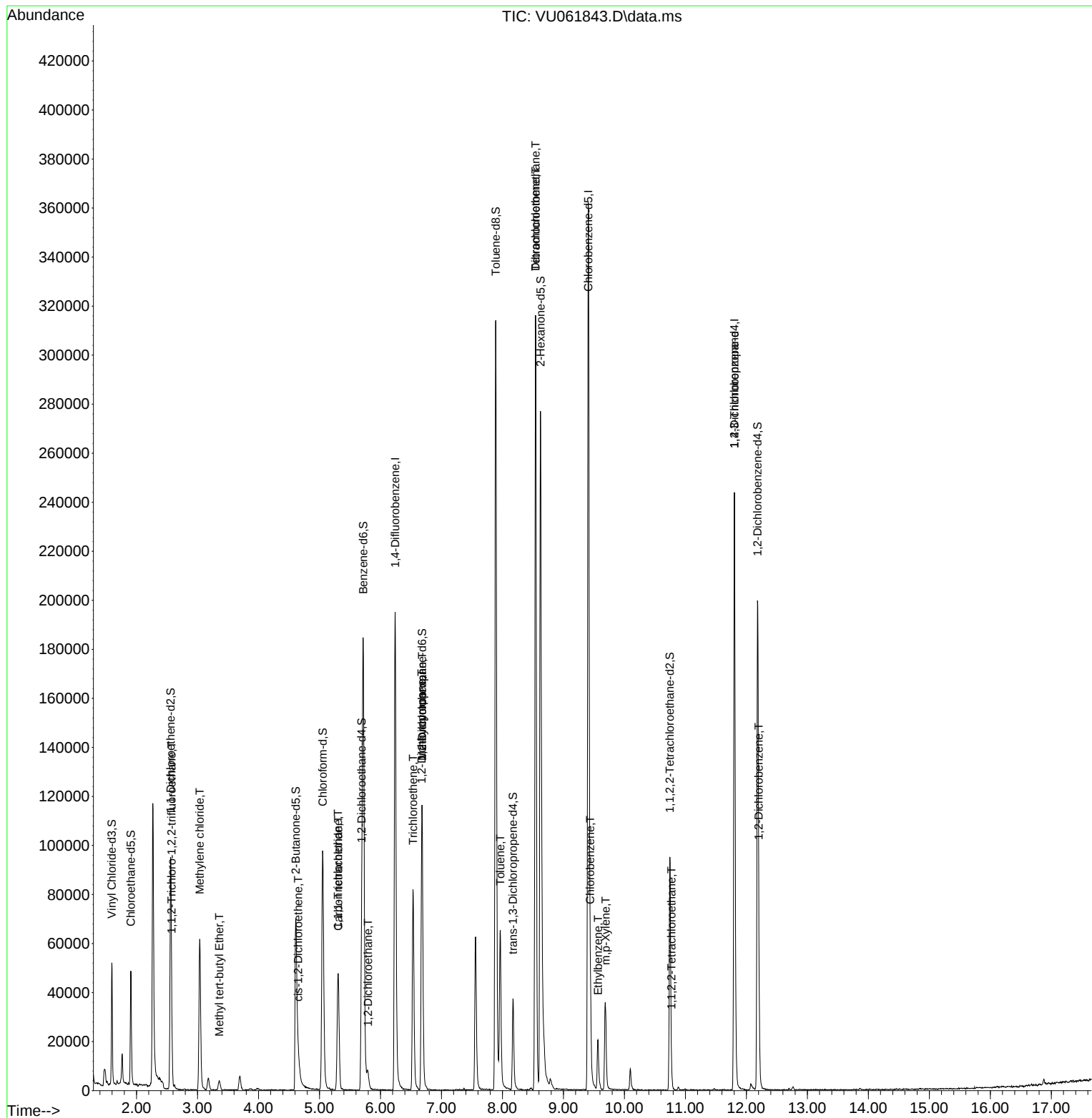
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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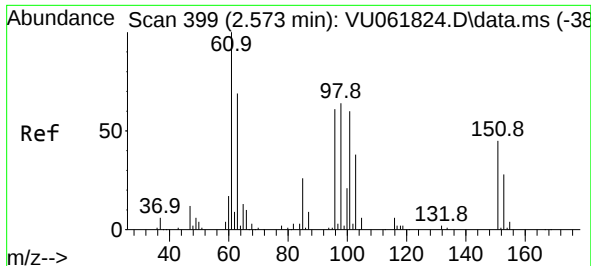
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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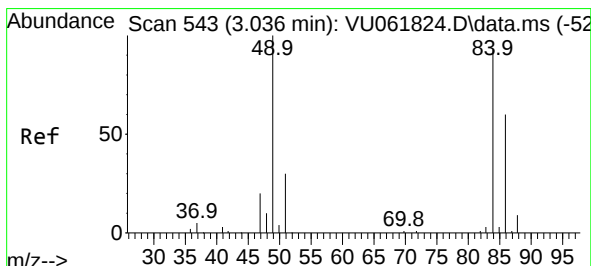
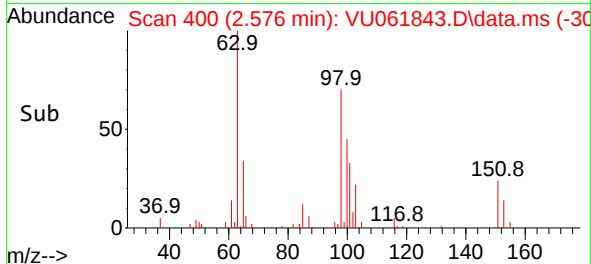
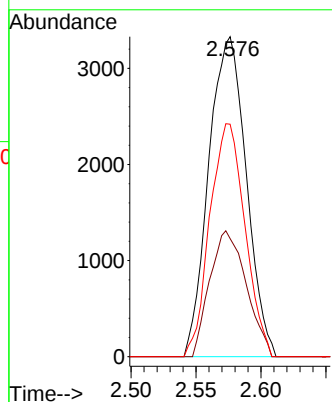
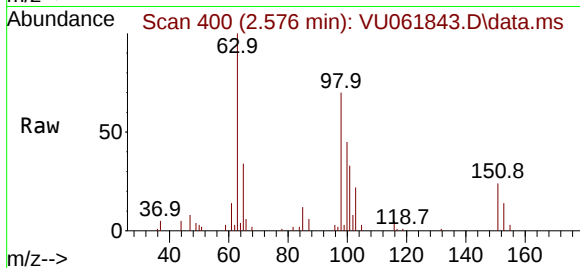




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.595 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU061843.D
Acq: 19 Nov 2024 04:41

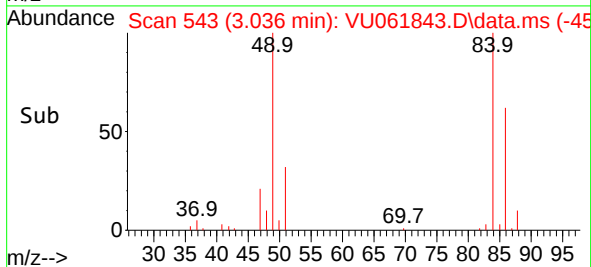
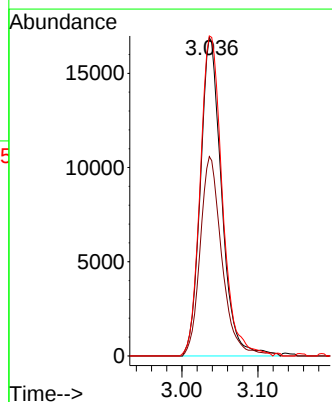
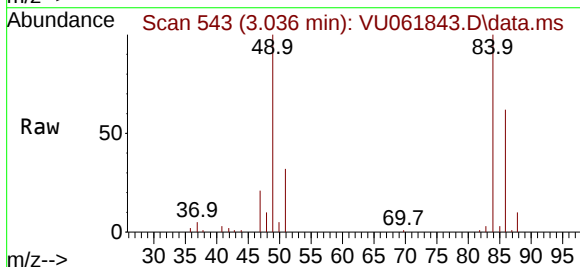
Instrument :
MSVOA_U
ClientSampleId :

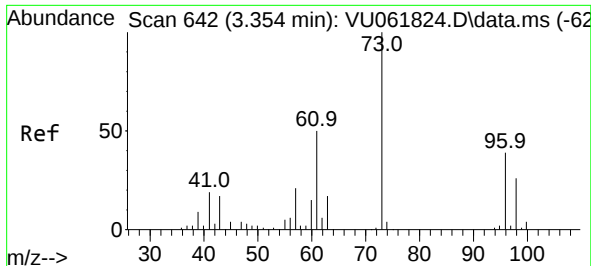
Tgt Ion:101 Resp: 6690
Ion Ratio Lower Upper
101 100
85 38.3 35.1 52.7
151 68.2 56.9 85.3



#16
Methylene chloride
Concen: 2.712 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061843.D
Acq: 19 Nov 2024 04:41

Tgt Ion: 84 Resp: 32778
Ion Ratio Lower Upper
84 100
86 62.6 45.1 83.7
49 100.4 76.3 141.7





#17

Methyl tert-butyl Ether

Concen: 0.179 ug/L

RT: 3.357 min Scan# 64

Delta R.T. 0.003 min

Lab File: VU061843.D

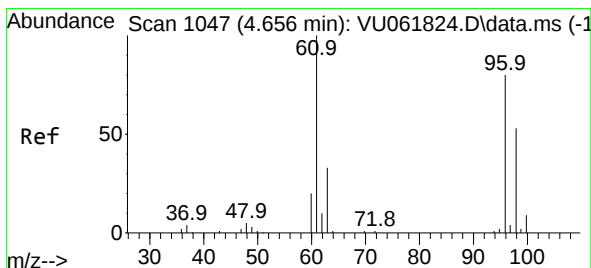
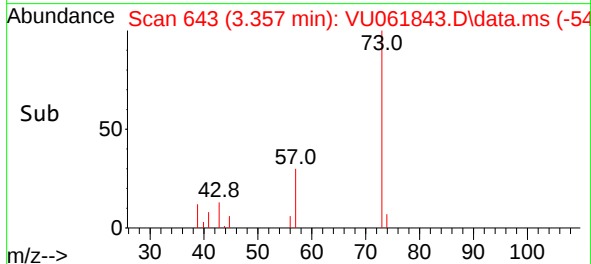
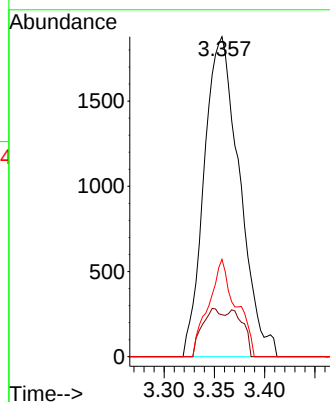
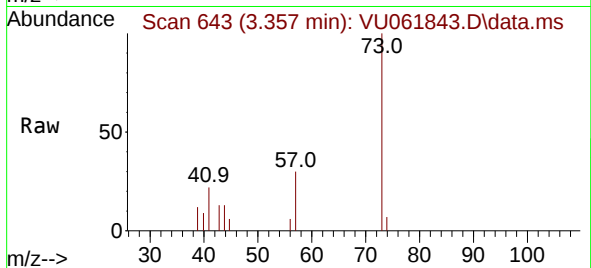
Acq: 19 Nov 2024 04:41

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 73	Resp: 4594
Ion Ratio	Lower Upper
73 100	
43 9.3	14.2 21.4#
57 23.6	16.9 25.3



#22

cis-1,2-Dichloroethene

Concen: 0.193 ug/L

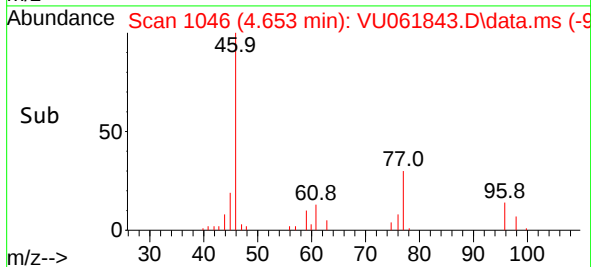
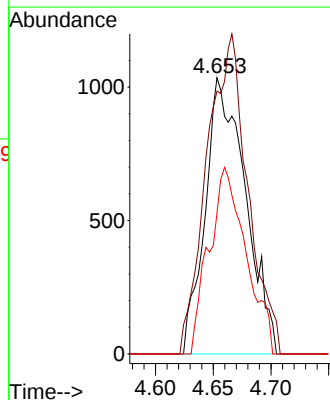
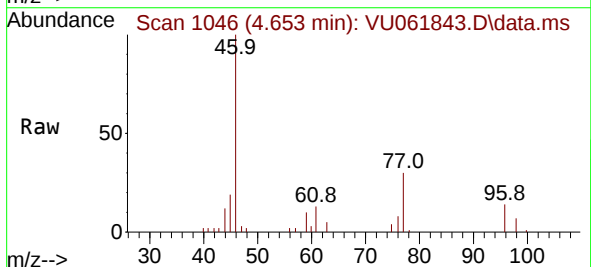
RT: 4.653 min Scan# 1046

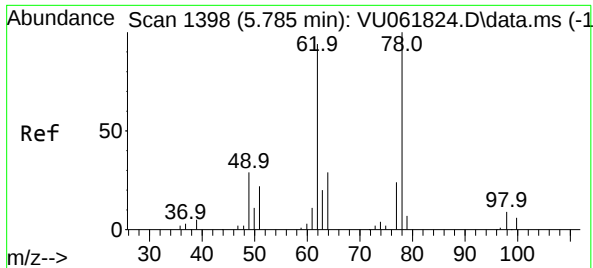
Delta R.T. -0.003 min

Lab File: VU061843.D

Acq: 19 Nov 2024 04:41

Tgt Ion: 96	Resp: 2507
Ion Ratio	Lower Upper
96 100	
61 95.2	85.6 159.0
98 51.0	45.6 84.8

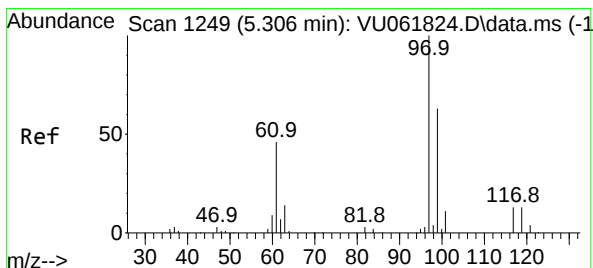
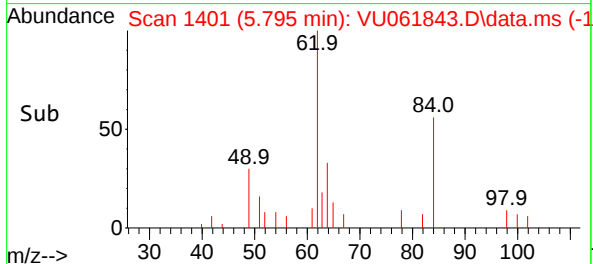
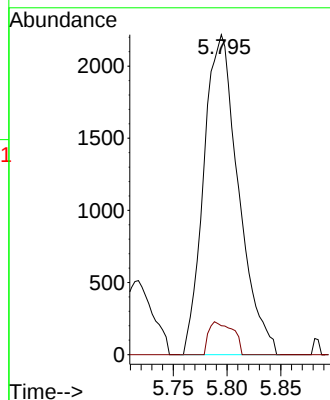
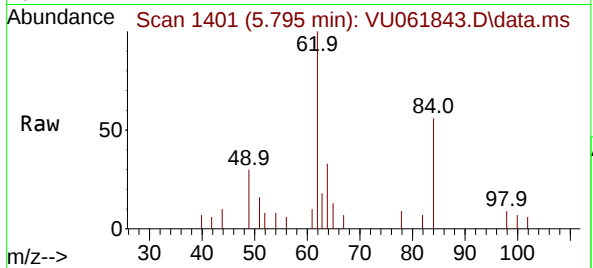




#27
 1,2-Dichloroethane
 Concen: 0.359 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.010 min
 Lab File: VU061843.D
 Acq: 19 Nov 2024 04:41

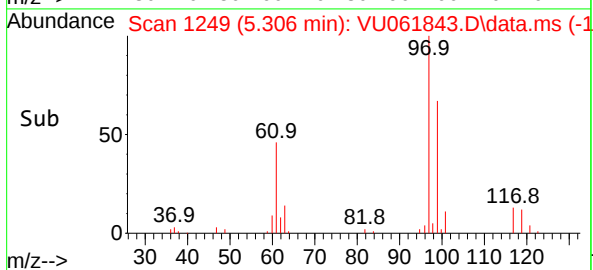
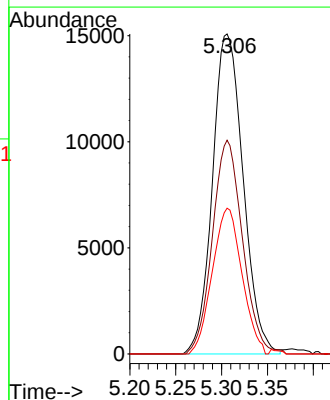
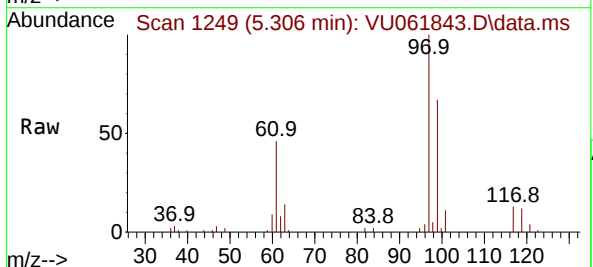
Instrument :
 MSVOA_U
 ClientSampleId :

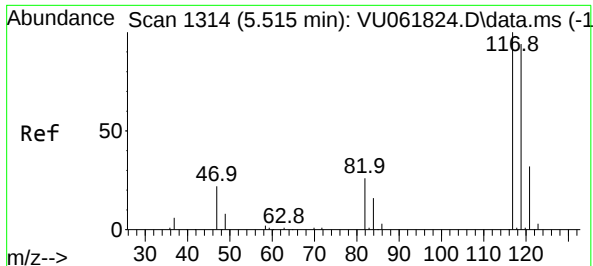
Tgt Ion: 62 Resp: 4976
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.7 11.5



#29
 1,1,1-Trichloroethane
 Concen: 1.430 ug/L
 RT: 5.306 min Scan# 1249
 Delta R.T. 0.000 min
 Lab File: VU061843.D
 Acq: 19 Nov 2024 04:41

Tgt Ion: 97 Resp: 35148
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.7 77.5
 61 44.0 35.4 53.0

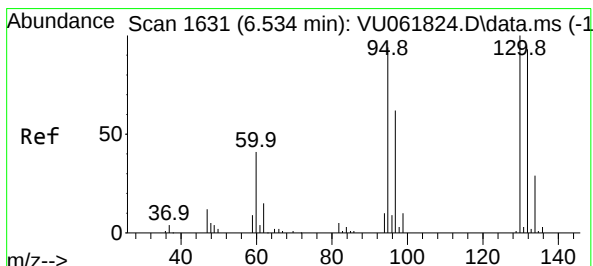
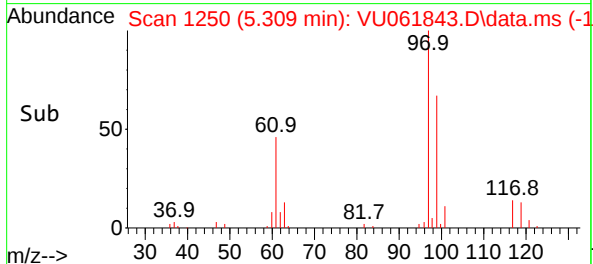
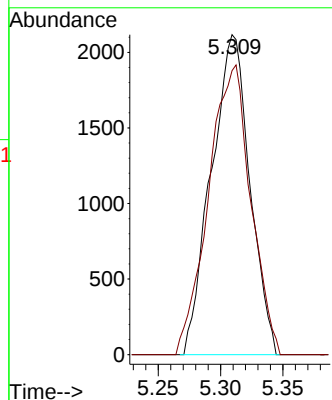
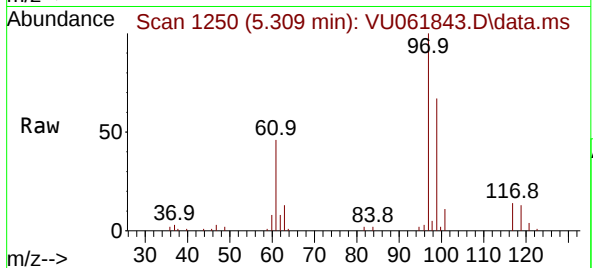




#31
Carbon tetrachloride
Concen: 0.218 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU061843.D
Acq: 19 Nov 2024 04:41

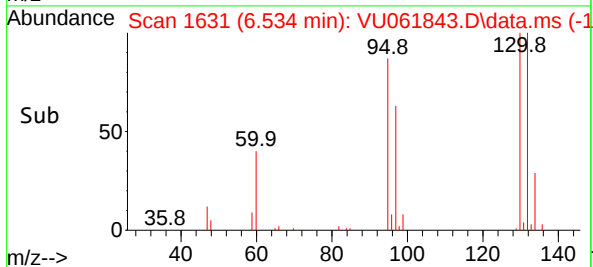
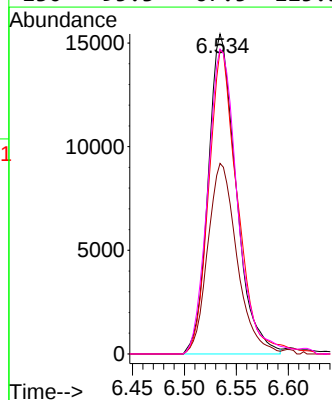
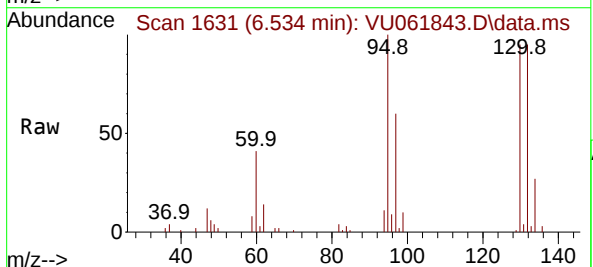
Instrument :
MSVOA_U
ClientSampleId :

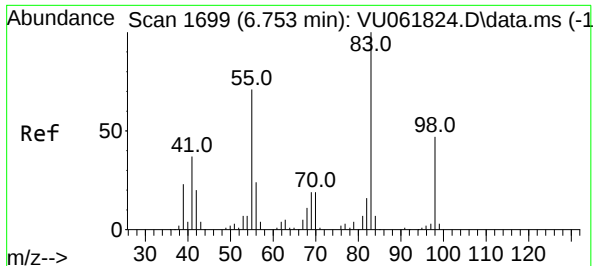
Tgt Ion:117 Resp: 4560
Ion Ratio Lower Upper
117 100
119 98.8 76.6 114.8



#34
Trichloroethene
Concen: 1.633 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU061843.D
Acq: 19 Nov 2024 04:41

Tgt Ion: 95 Resp: 28828
Ion Ratio Lower Upper
95 100
97 59.6 43.5 80.9
132 95.0 65.2 121.0
130 95.3 67.5 125.3

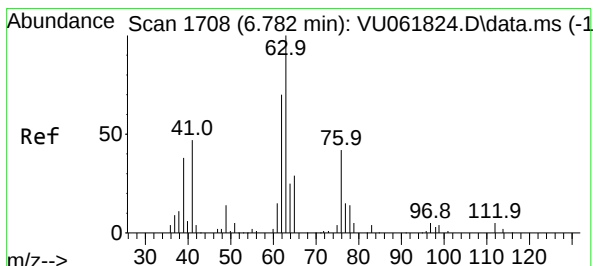
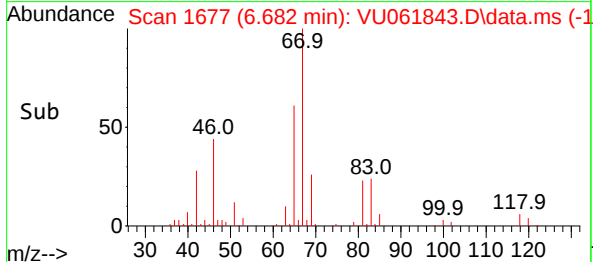
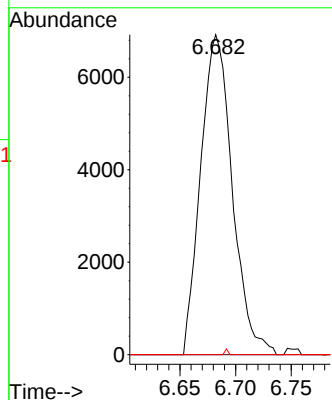
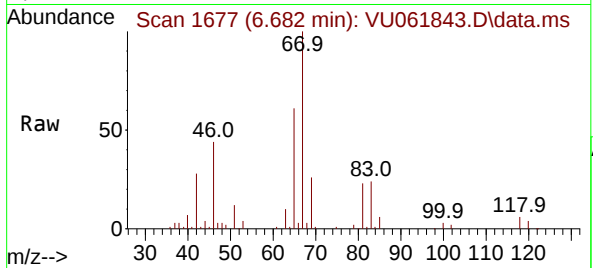




#35
Methylcyclohexane
Concen: 0.514 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.071 min
Lab File: VU061843.D
Acq: 19 Nov 2024 04:41

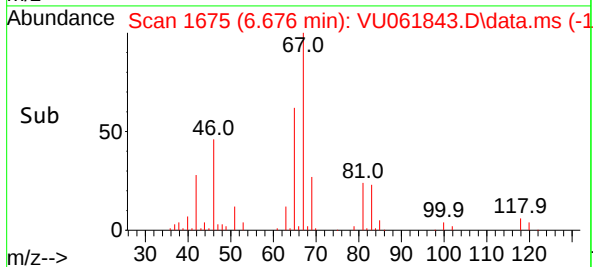
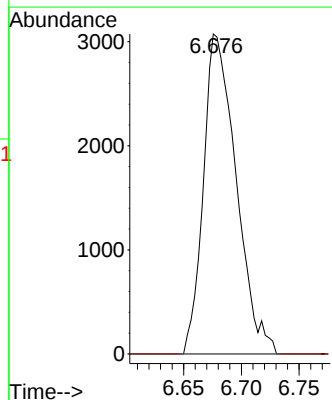
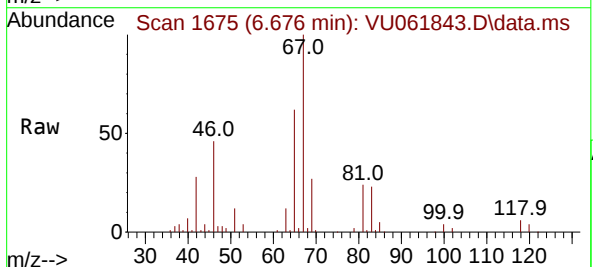
Instrument :
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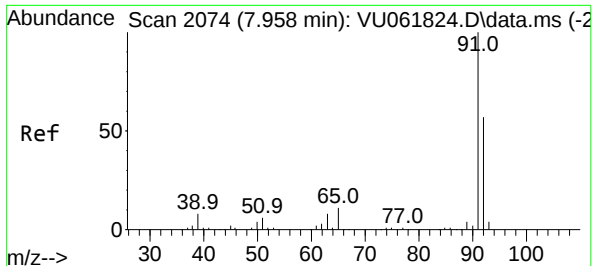
Tgt Ion: 83 Resp: 13691
Ion Ratio Lower Upper
83 100
55 0.0 56.4 84.6#
98 3.3 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 0.365 ug/L
RT: 6.676 min Scan# 1675
Delta R.T. -0.106 min
Lab File: VU061843.D
Acq: 19 Nov 2024 04:41

Tgt Ion: 63 Resp: 6046
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#





#42

Toluene

Concen: 0.729 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.007 min

Lab File: VU061843.D

Acq: 19 Nov 2024 04:41

Instrument :

MSVOA_U

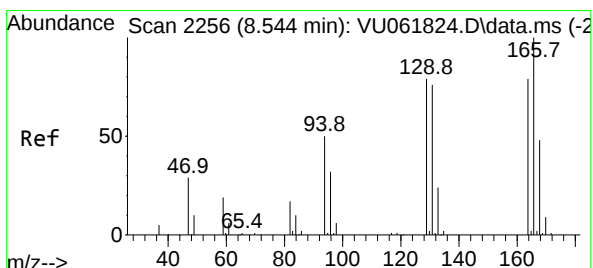
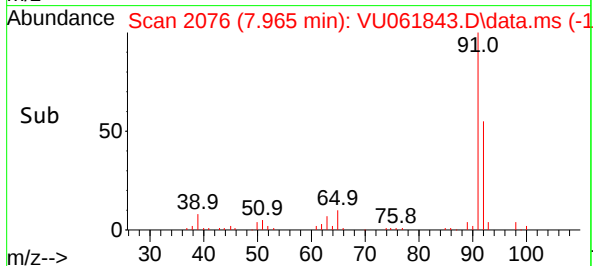
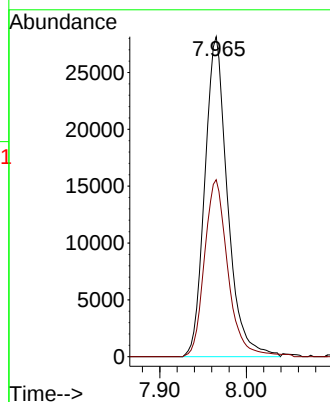
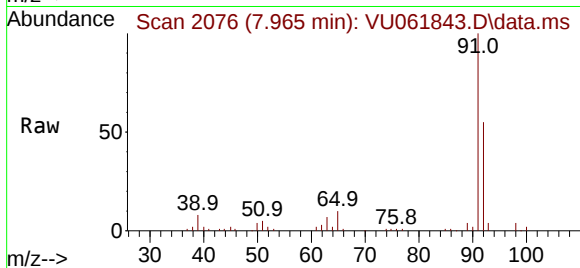
ClientSampleId :

Tgt Ion: 91 Resp: 51340

Ion Ratio Lower Upper

91 100

92 55.3 39.7 73.7



#47

Tetrachloroethene

Concen: 5.357 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061843.D

Acq: 19 Nov 2024 04:41

Tgt Ion: 164 Resp: 71052

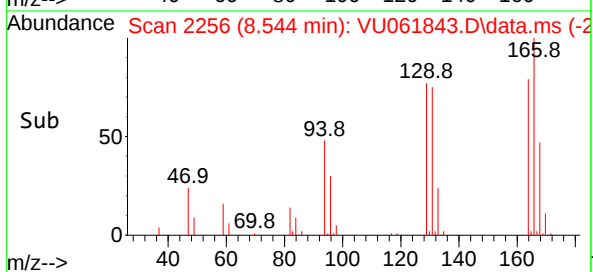
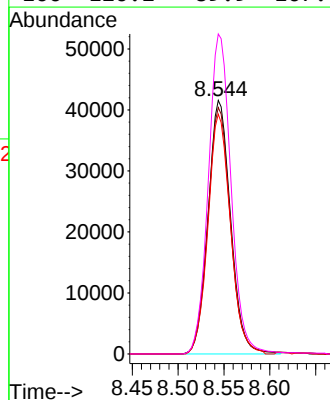
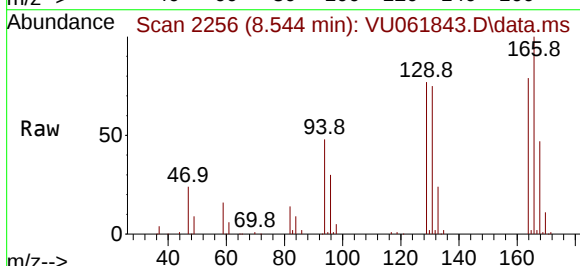
Ion Ratio Lower Upper

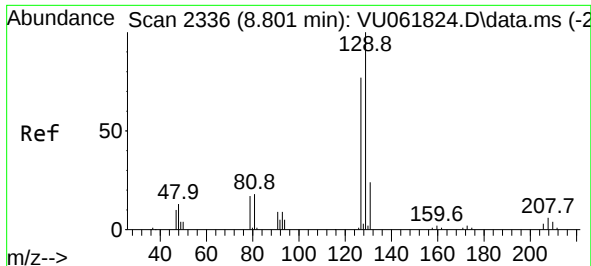
164 100

129 97.2 71.7 133.3

131 94.6 68.2 126.6

166 126.2 89.9 167.0





#49

Dibromochloromethane

Concen: 5.442 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU061843.D

Acq: 19 Nov 2024 04:41

Instrument :

MSVOA_U

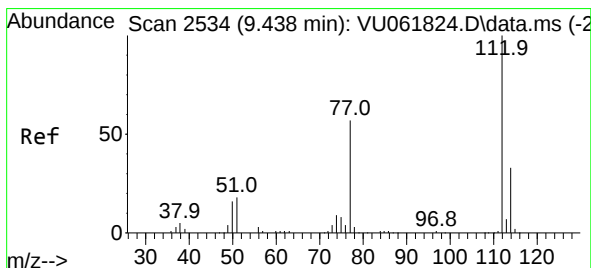
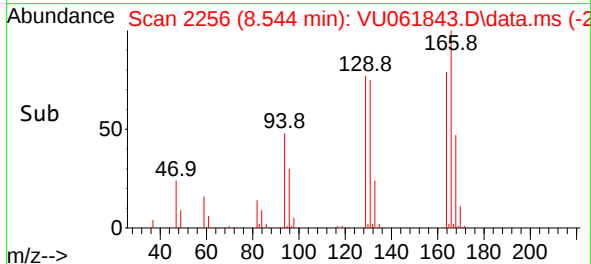
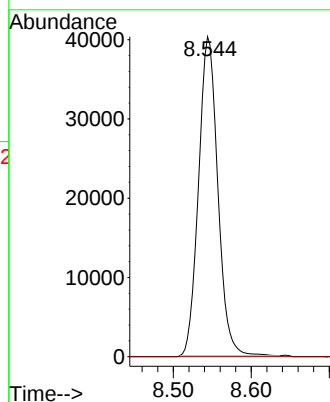
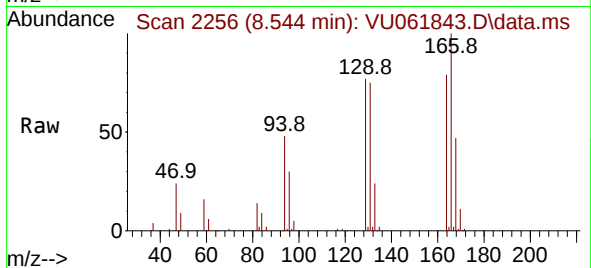
ClientSampleId :

Tgt Ion:129 Resp: 68989

Ion Ratio Lower Upper

129 100

127 0.0 55.1 102.3#



#51

Chlorobenzene

Concen: 0.487 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061843.D

Acq: 19 Nov 2024 04:41

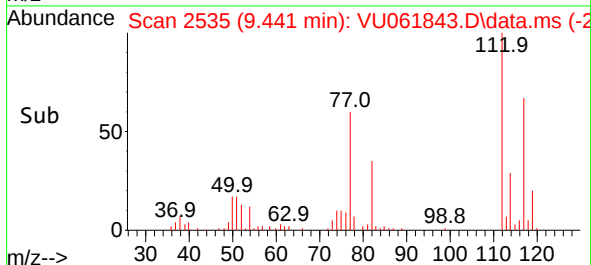
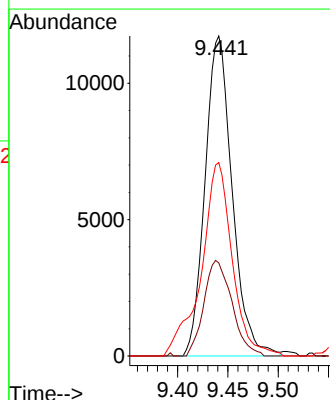
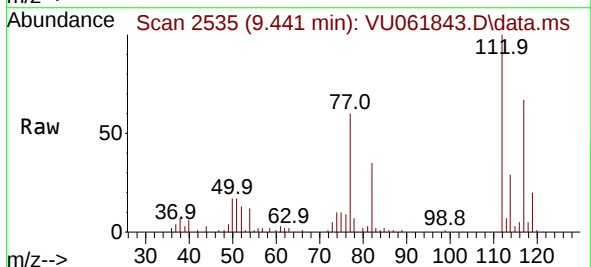
Tgt Ion:112 Resp: 22043

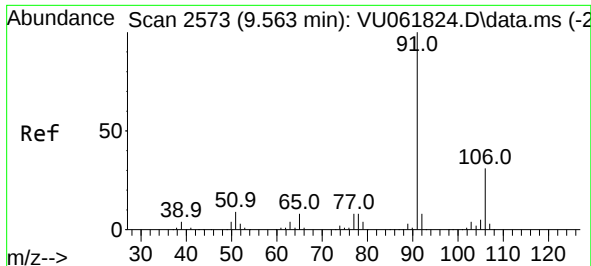
Ion Ratio Lower Upper

112 100

114 29.1 22.5 41.9

77 60.5 45.3 67.9





#52

Ethylbenzene

Concen: 0.212 ug/L

RT: 9.566 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU061843.D

Acq: 19 Nov 2024 04:41

Instrument :

MSVOA_U

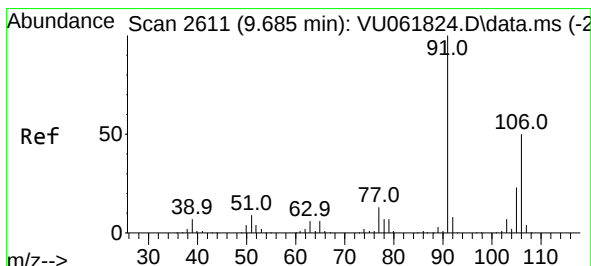
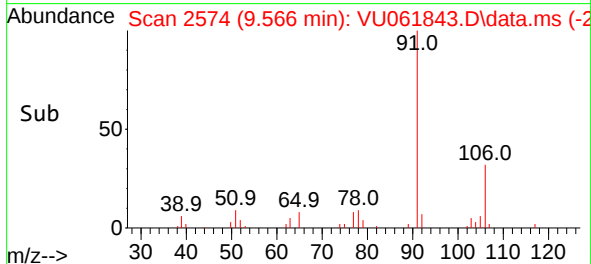
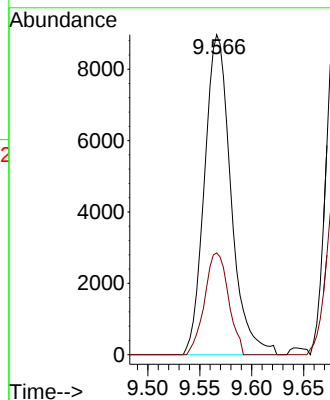
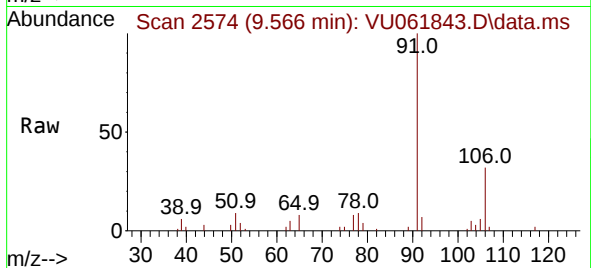
ClientSampleId :

Tgt Ion: 91 Resp: 15871

Ion Ratio Lower Upper

91 100

106 31.8 21.7 40.3



#53

m,p-Xylene

Concen: 0.437 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.007 min

Lab File: VU061843.D

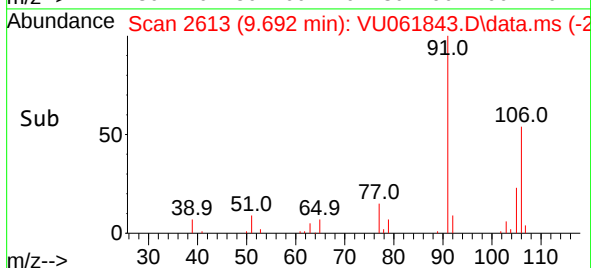
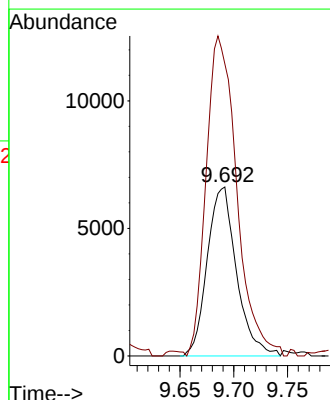
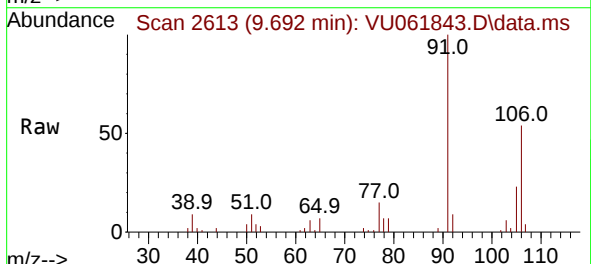
Acq: 19 Nov 2024 04:41

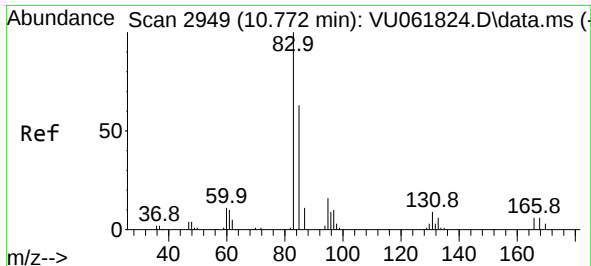
Tgt Ion:106 Resp: 12538

Ion Ratio Lower Upper

106 100

91 173.0 140.4 260.8

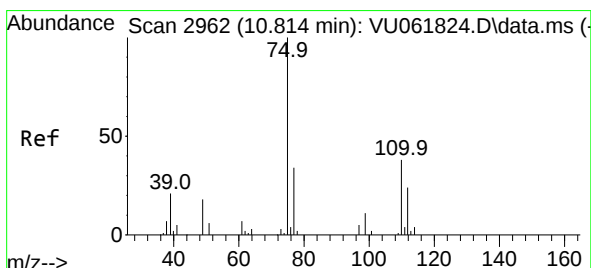
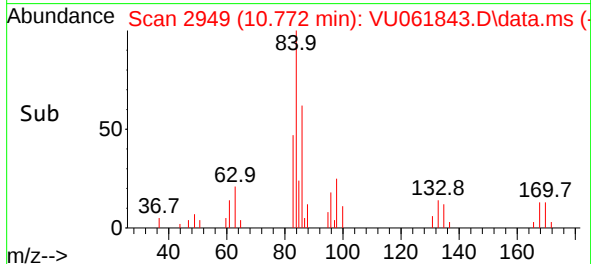
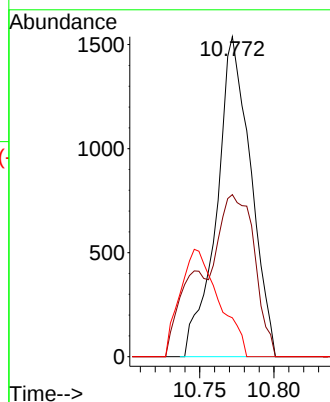
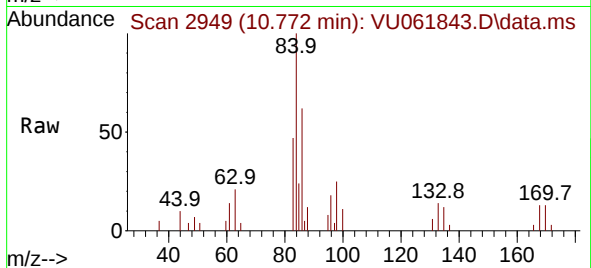




#57
1,1,2,2-Tetrachloroethane
Concen: 0.167 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU061843.D
Acq: 19 Nov 2024 04:41

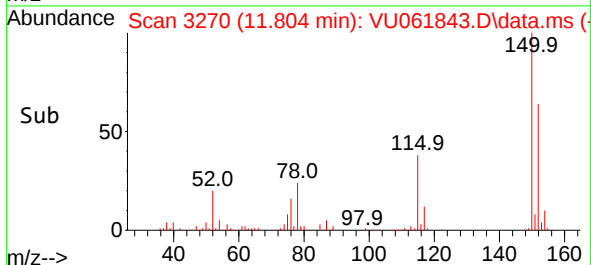
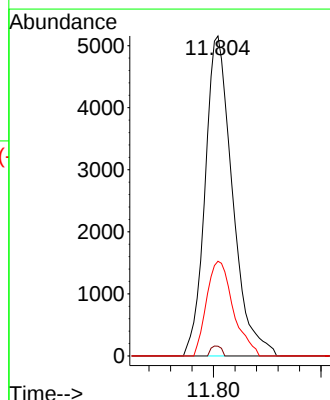
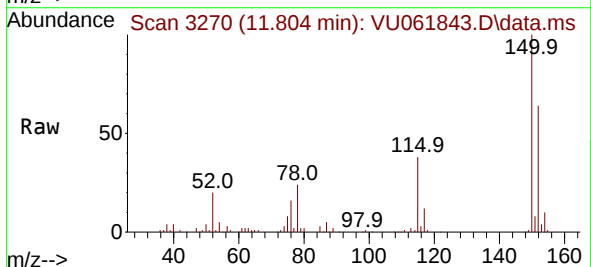
Instrument :
MSVOA_U
ClientSampleId :

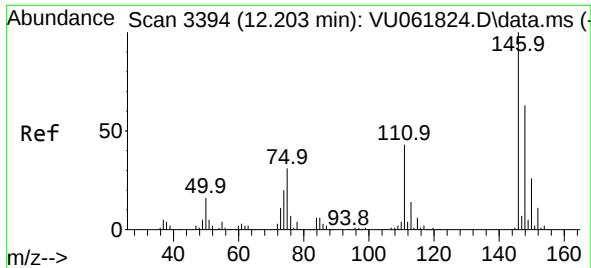
Tgt Ion:	83	Resp:	2455
Ion	Ratio	Lower	Upper
83	100		
85	50.7	41.9	77.9
131	12.2	7.8	11.6#



#61
1,2,3-Trichloropropane
Concen: 1.403 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.990 min
Lab File: VU061843.D
Acq: 19 Nov 2024 04:41

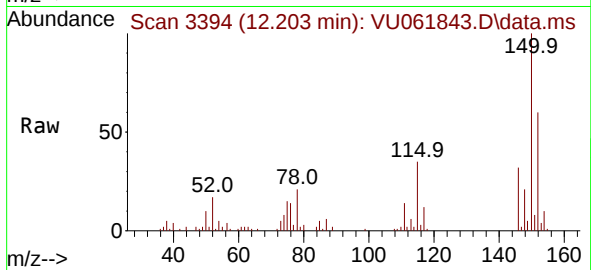
Tgt Ion:	75	Resp:	9092
Ion	Ratio	Lower	Upper
75	100		
110	1.2	31.3	46.9#
77	28.8	26.0	39.0





#67
 1,2-Dichlorobenzene
 Concen: 0.480 ug/L
 RT: 12.203 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU061843.D
 Acq: 19 Nov 2024 04:41

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	9764
Ion	Ratio	Lower	Upper
146	100		
111	49.4	35.2	52.8
148	82.2	52.6	79.0#

