

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011323\
 Data File : VU052666.D
 Acq On : 13 Jan 2023 15:27
 Operator : JC/MD
 Sample : N1139-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Quant Time: Jan 13 22:26:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 11 00:53:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	149488	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	145772	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	78381	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	47455	3.613	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.200%
7) Chloroethane-d5	1.913	69	43820	4.096	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.000%
11) 1,1-Dichloroethene-d2	2.565	65	23823	4.119	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.400%
20) 2-Butanone-d5	4.655	46	141085	40.178	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.360%
24) Chloroform-d	5.057	84	106866	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.700	65	55339	4.399	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.723	84	218684	4.629	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
36) 1,2-Dichloropropane-d6	6.687	67	72340	4.595	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.893	98	190986	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.176	79	28968	4.947	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.632	63	132293	54.392	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.780%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	53072	4.403	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	72231	5.062	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	10457	0.560	ug/L	95
8) Chloroethane	1.938	64	2034	0.179	ug/L #	66
12) 1,1-Dichloroethene	2.578	96	11122	0.858	ug/L #	1
13) Acetone	2.681	43	2374988	943.048	ug/L	78
14) Carbon disulfide	2.964	76	226641	5.060	ug/L	100
15) Methyl Acetate	2.961	43	119646	19.816	ug/L #	90
19) 1,1-Dichloroethane	3.864	63	45581	1.661	ug/L	98
21) 2-Butanone	4.723	43	6010617	1482.606	ug/L	100
22) cis-1,2-Dichloroethene	4.662	96	187693	13.223	ug/L	98
34) Trichloroethene	6.539	95	181999	13.335	ug/L	98
35) Methylcyclohexane	6.687	83	16061	0.713	ug/L #	1
40) 4-Methyl-2-pentanone	7.825	43	15861	1.791	ug/L #	44
44) trans-1,3-Dichloropropene	8.160	75	2933	0.173	ug/L #	30
45) 1,1,2-Trichloroethane	8.272	97	1410	0.145	ug/L #	12
48) 2-Hexanone	8.571	43	496963	76.644	ug/L #	38
61) 1,2,3-Trichloropropane	10.960	75	5292	0.581	ug/L #	43
68) 1,2-Dibromo-3-chloropr...	12.996	75	1333	0.634	ug/L #	12

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QLast Update : Wed Jan 11 00:53:59 2023
Response via : Initial Calibration

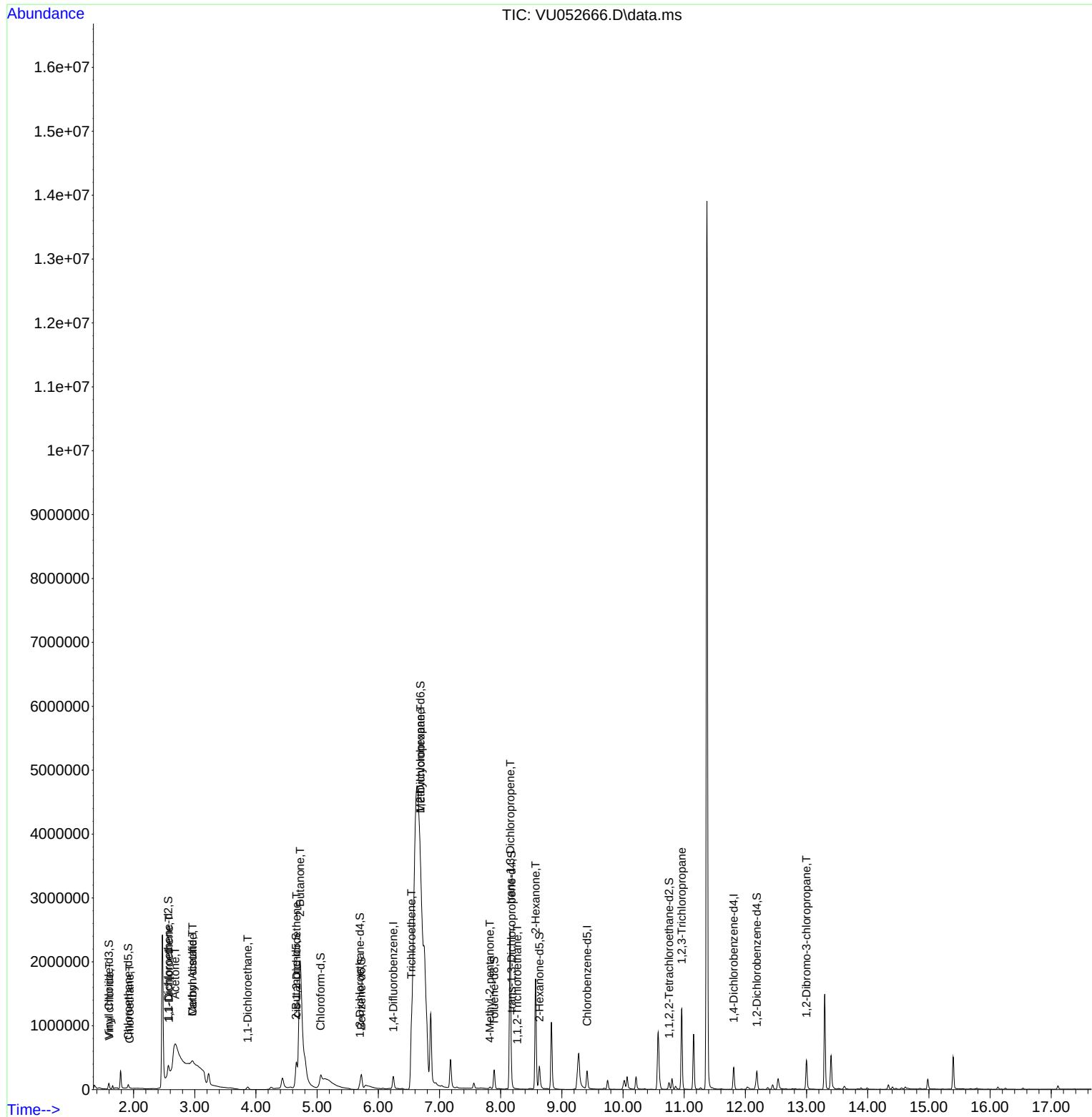
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

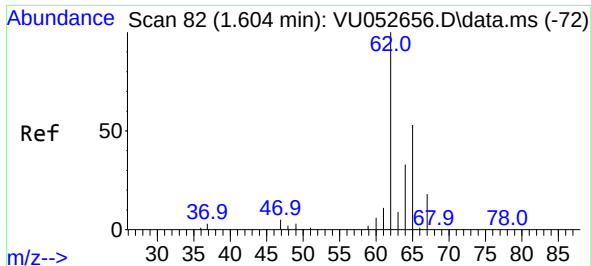
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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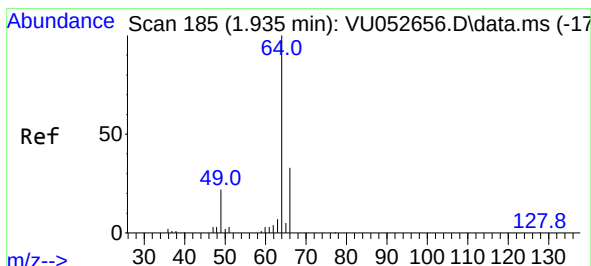
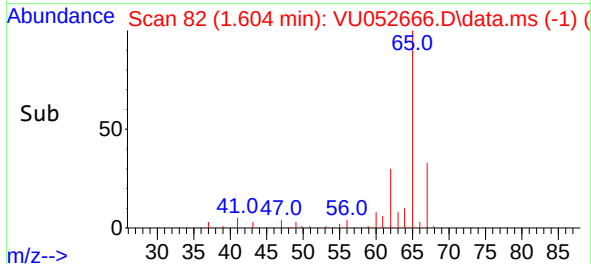
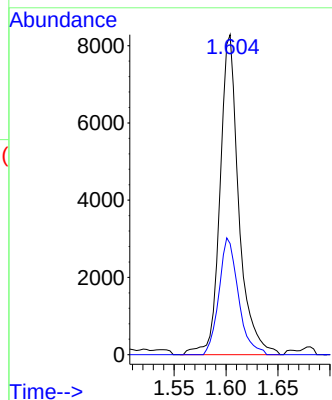
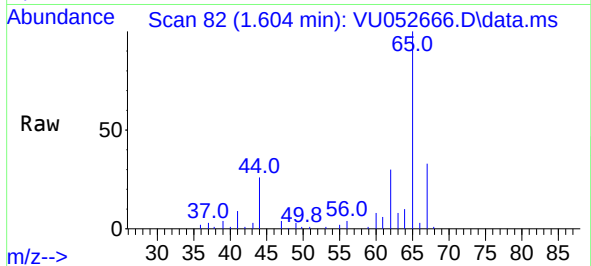




#5
Vinyl chloride
Concen: 0.560 ug/L
RT: 1.604 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

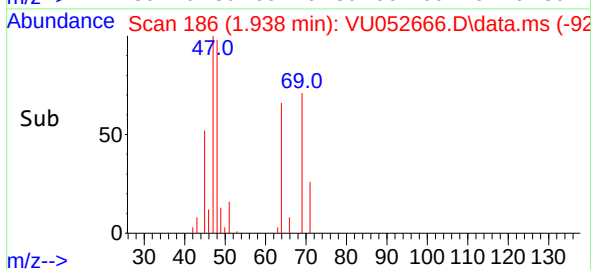
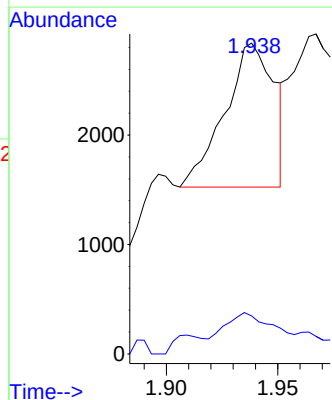
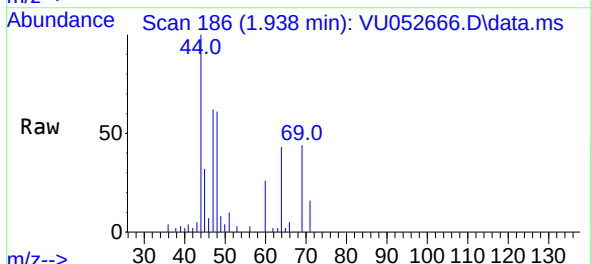
Instrument :
MSVOA_U
ClientSampleId :
MDL02

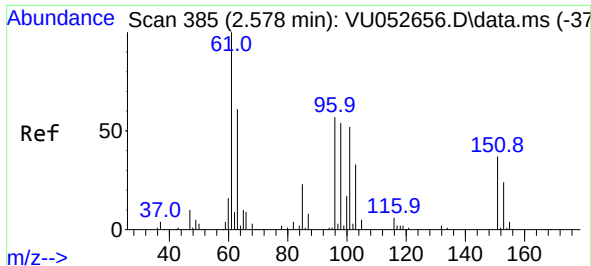
Tgt Ion: 62 Resp: 10457
Ion Ratio Lower Upper
62 100
64 34.7 22.3 41.3



#8
Chloroethane
Concen: 0.179 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

Tgt Ion: 64 Resp: 2034
Ion Ratio Lower Upper
64 100
66 12.3 21.6 40.2#

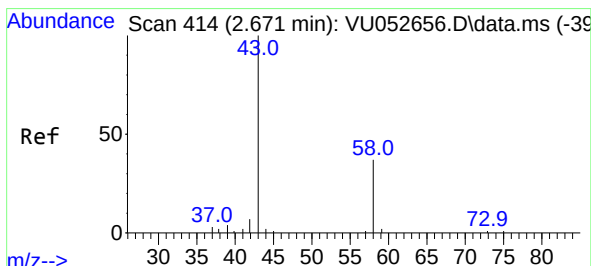
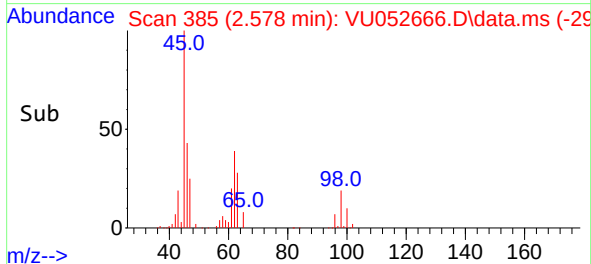
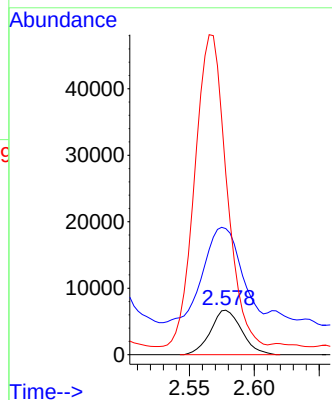
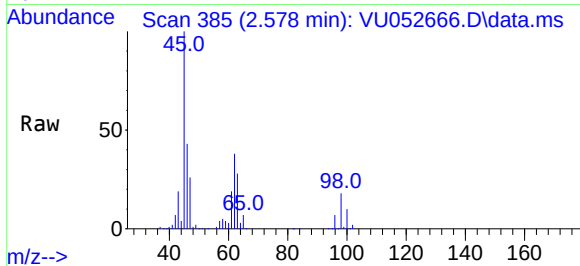




#12
1,1-Dichloroethene
Concen: 0.858 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

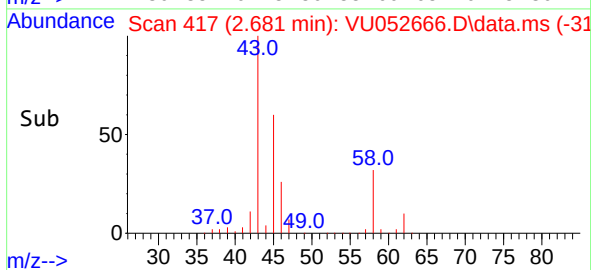
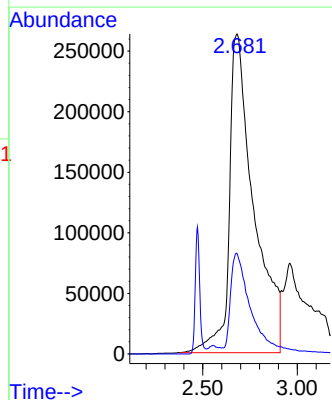
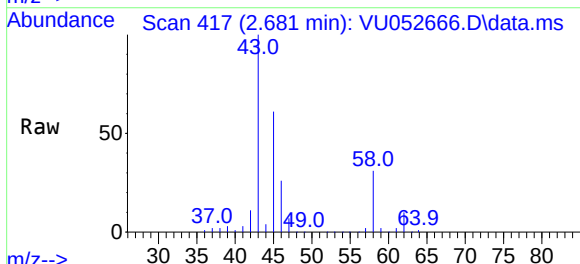
Instrument :
MSVOA_U
ClientSampleId :
MDL02

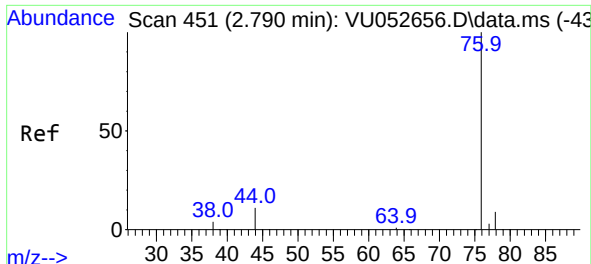
Tgt Ion: 96 Resp: 11122
Ion Ratio Lower Upper
96 100
61 283.2 129.6 240.8#
63 406.4 83.7 155.5#



#13
Acetone
Concen: 943.048 ug/L
RT: 2.681 min Scan# 417
Delta R.T. 0.019 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

Tgt Ion: 43 Resp: 2374988
Ion Ratio Lower Upper
43 100
58 21.6 0.0 68.8

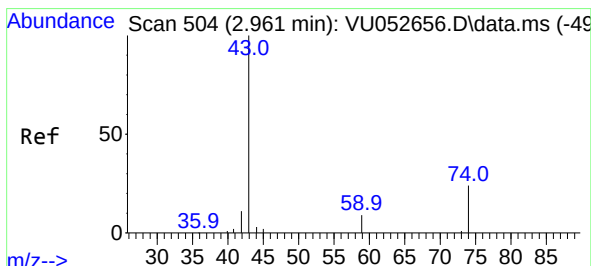
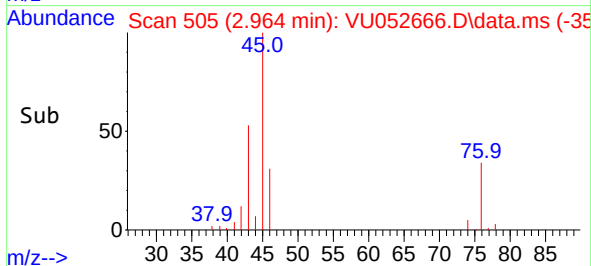
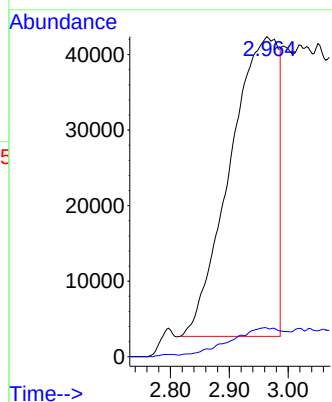
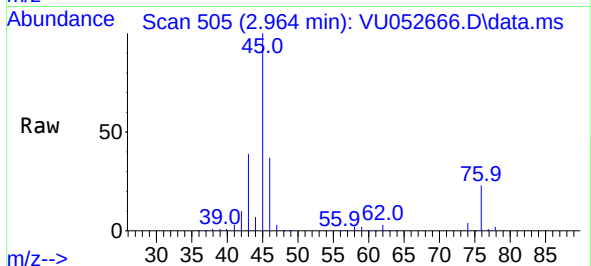




#14
Carbon disulfide
Concen: 5.060 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.170 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

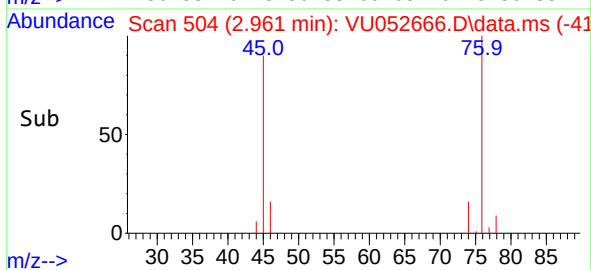
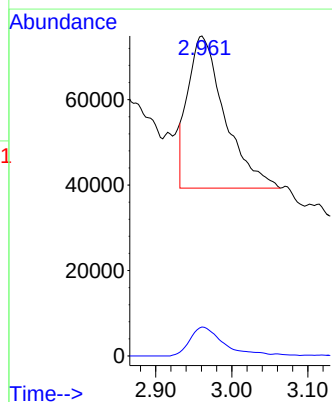
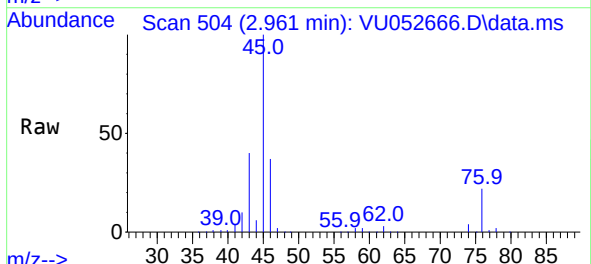
Instrument :
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ClientSampleId :
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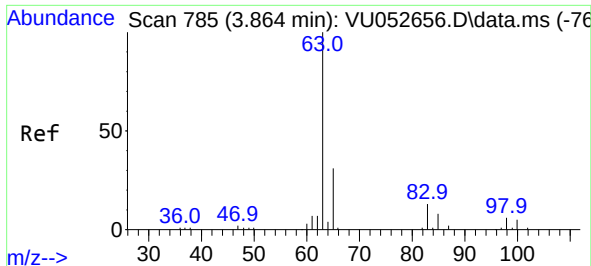
Tgt Ion: 76 Resp: 226641
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#15
Methyl Acetate
Concen: 19.816 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

Tgt Ion: 43 Resp: 119646
Ion Ratio Lower Upper
43 100
74 17.3 17.5 26.3#

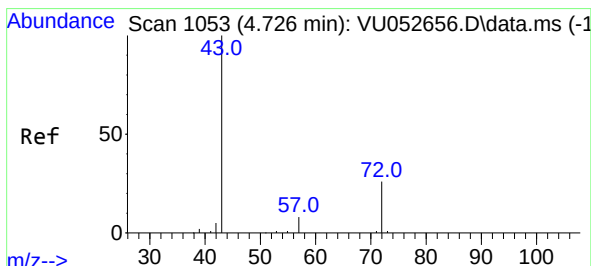
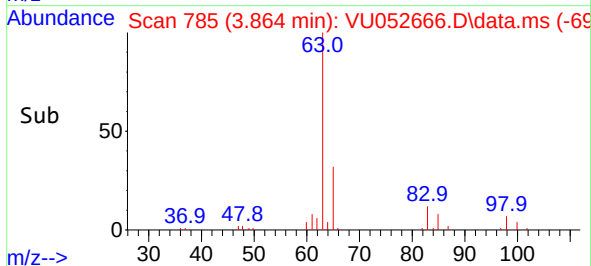
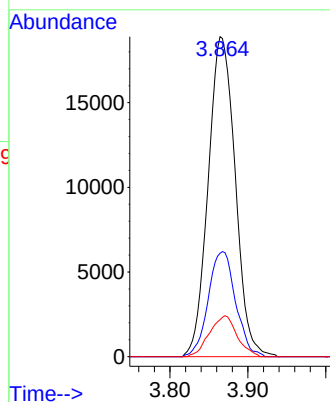
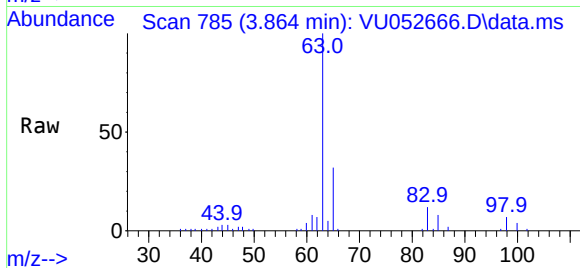




#19
1,1-Dichloroethane
Concen: 1.661 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

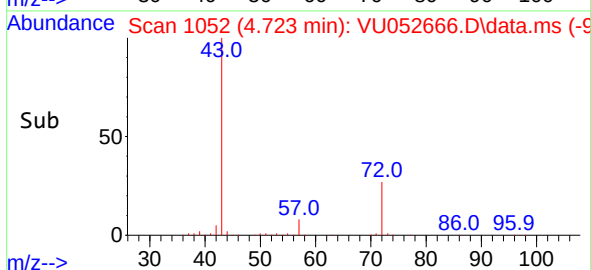
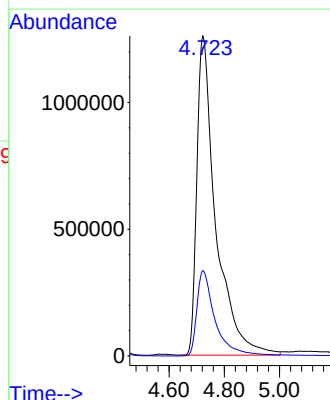
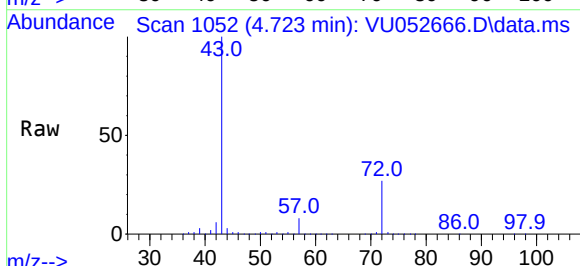
Instrument :
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ClientSampleId :
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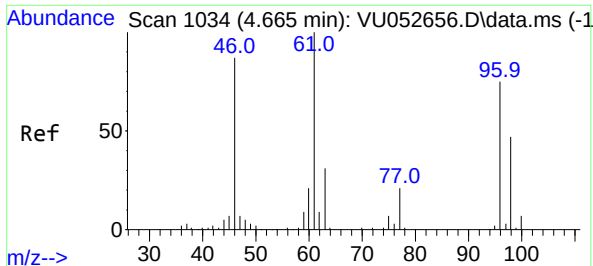
Tgt Ion: 63 Resp: 45581
Ion Ratio Lower Upper
63 100
65 32.3 22.0 41.0
83 11.6 8.9 16.5



#21
2-Butanone
Concen: 1482.606 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.007 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

Tgt Ion: 43 Resp: 6010617
Ion Ratio Lower Upper
43 100
72 25.6 12.9 38.6

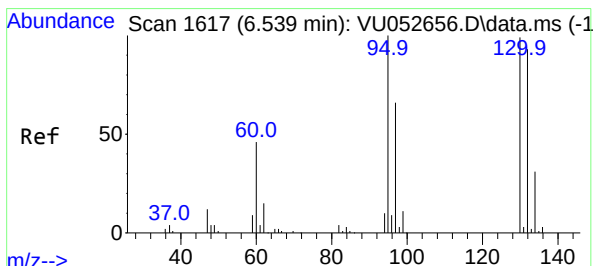
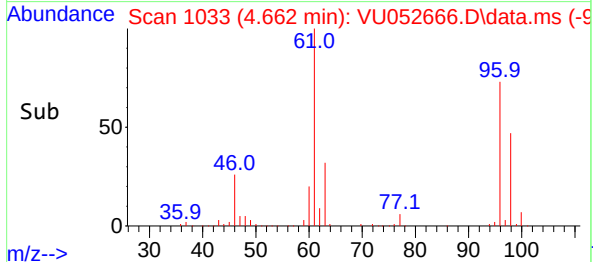
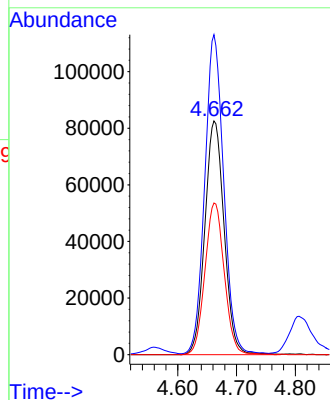
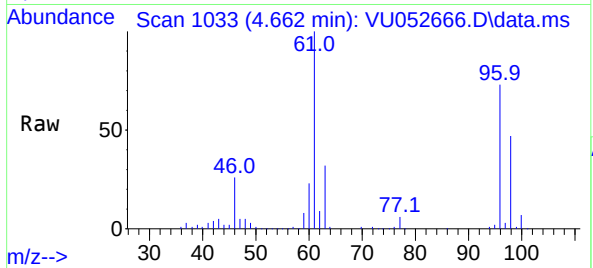




#22
cis-1,2-Dichloroethene
Concen: 13.223 ug/L
RT: 4.662 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

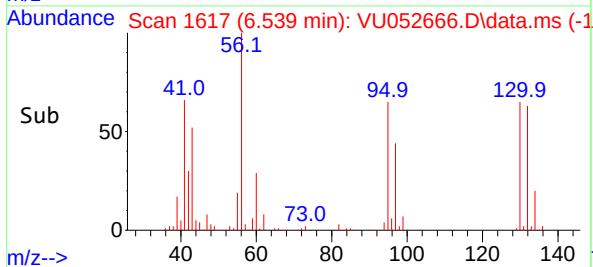
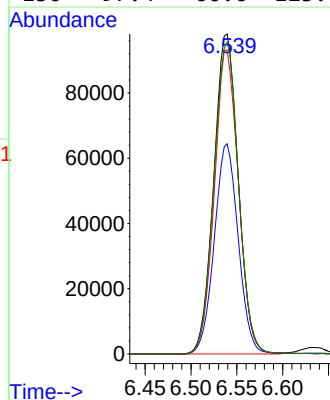
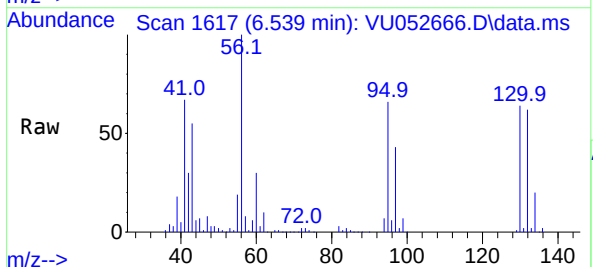
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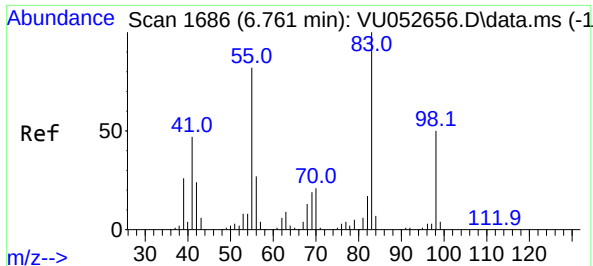
Tgt Ion: 96 Resp: 187693
Ion Ratio Lower Upper
96 100
61 136.9 94.6 175.8
98 64.9 43.3 80.3



#34
Trichloroethene
Concen: 13.335 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052666.D
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Tgt Ion: 95 Resp: 181999
Ion Ratio Lower Upper
95 100
97 65.7 46.0 85.4
132 95.0 64.0 118.8
130 97.4 66.6 123.8

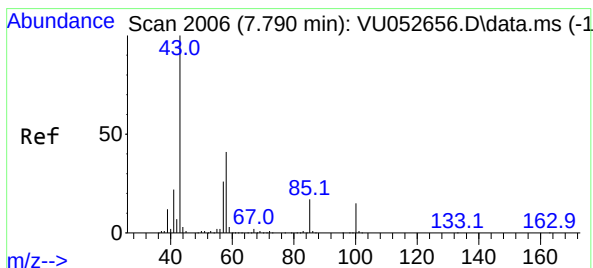
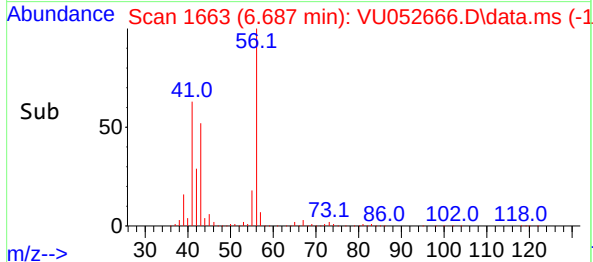
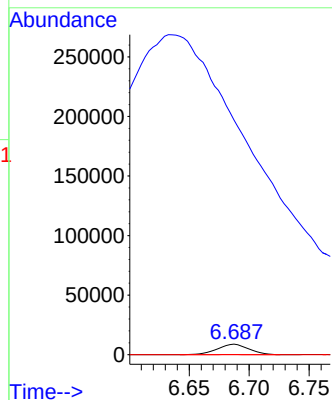
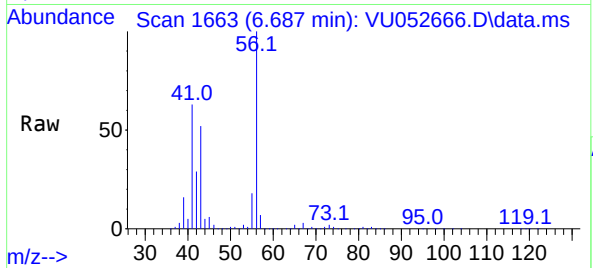




#35
Methylcyclohexane
Concen: 0.713 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.071 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

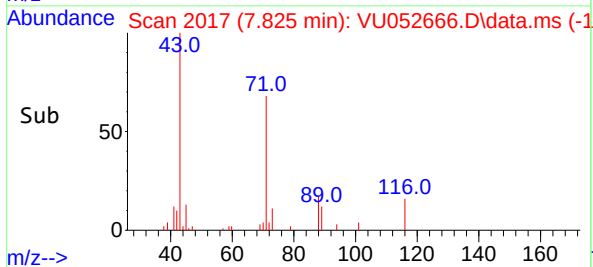
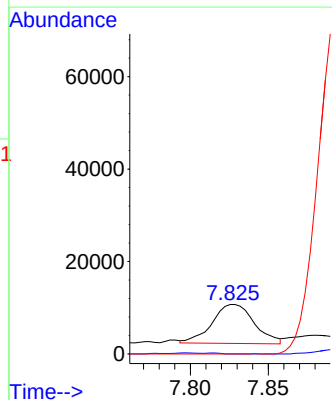
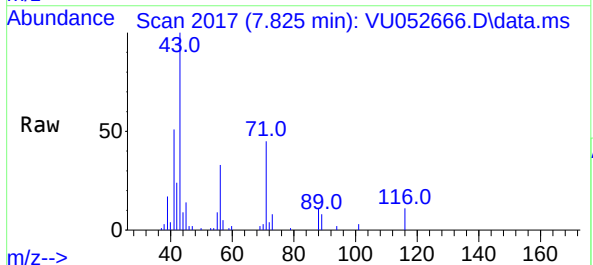
Instrument :
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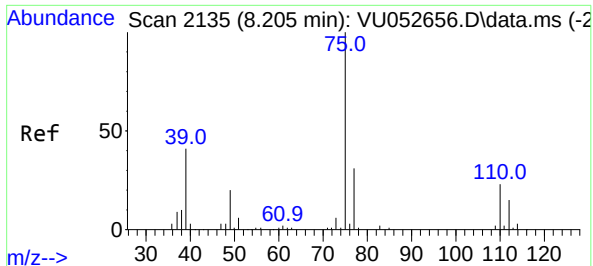
Tgt Ion: 83 Resp: 16061
Ion Ratio Lower Upper
83 100
55 16012.3 67.6 101.4#
98 0.8 37.1 55.7#



#40
4-Methyl-2-pentanone
Concen: 1.791 ug/L
RT: 7.825 min Scan# 2017
Delta R.T. 0.035 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

Tgt Ion: 43 Resp: 15861
Ion Ratio Lower Upper
43 100
58 0.9 32.0 48.0#
100 0.0 11.3 16.9#

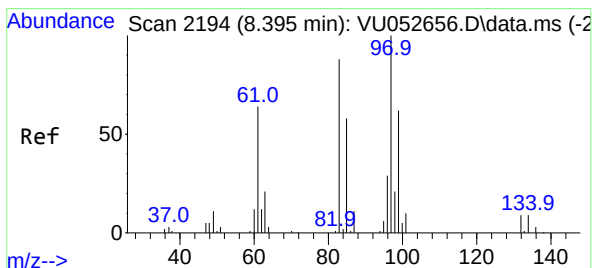
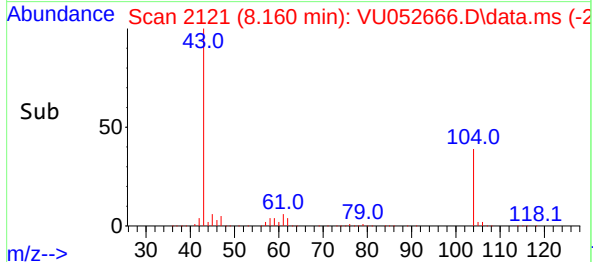
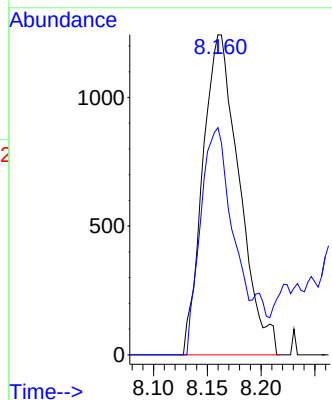
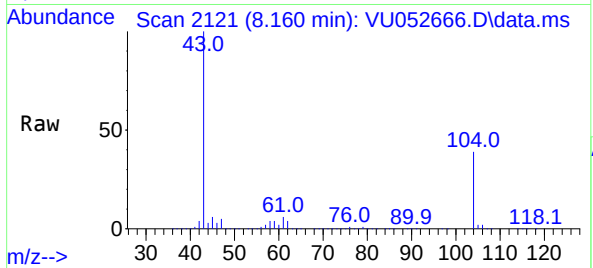




#44
trans-1,3-Dichloropropene
Concen: 0.173 ug/L
RT: 8.160 min Scan# 2135
Delta R.T. -0.045 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

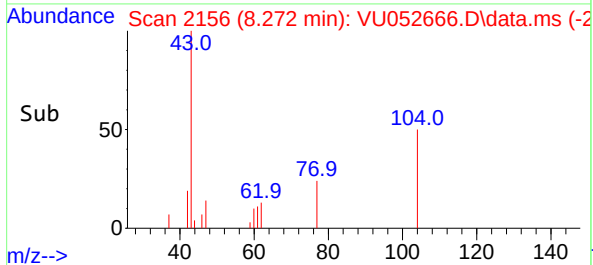
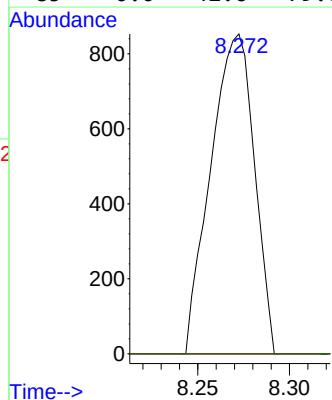
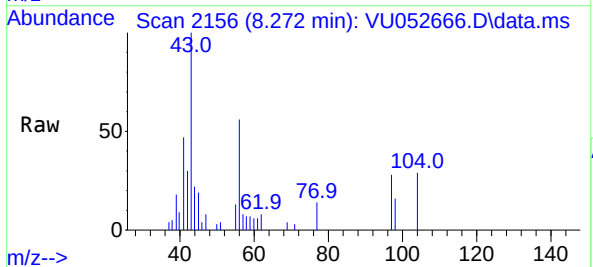
Instrument :
MSVOA_U
ClientSampleId :
MDL02

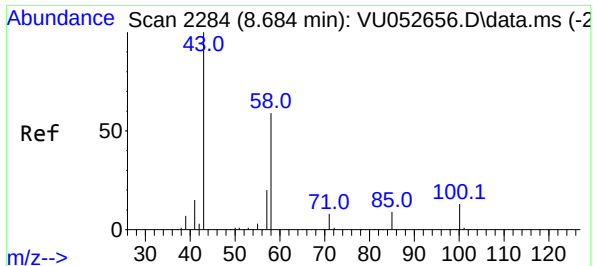
Tgt Ion: 75 Resp: 2933
Ion Ratio Lower Upper
75 100
77 71.0 22.3 41.5#



#45
1,1,2-Trichloroethane
Concen: 0.145 ug/L
RT: 8.272 min Scan# 2156
Delta R.T. -0.122 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

Tgt Ion: 97 Resp: 1410
Ion Ratio Lower Upper
97 100
99 0.0 44.8 83.2#
83 0.0 65.3 121.3#
85 0.0 42.6 79.0#

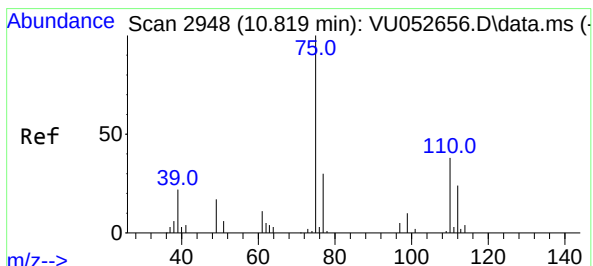
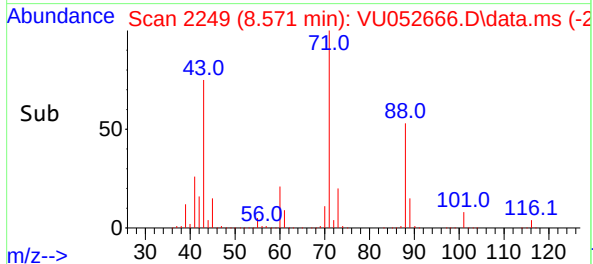
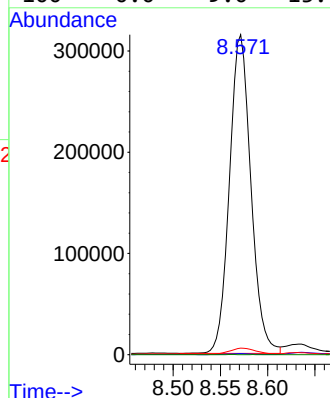
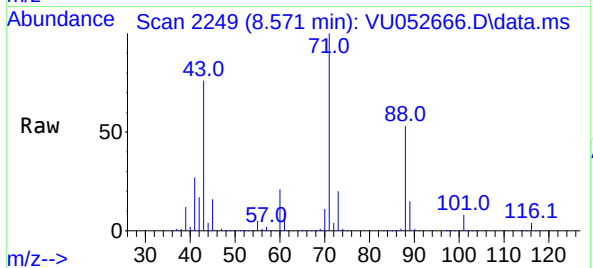




#48
2-Hexanone
Concen: 76.644 ug/L
RT: 8.571 min Scan# 21
Delta R.T. -0.109 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

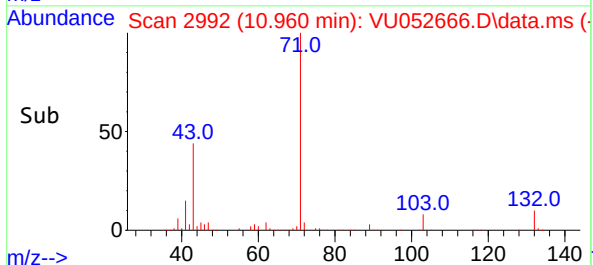
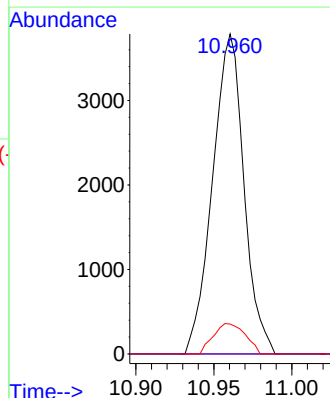
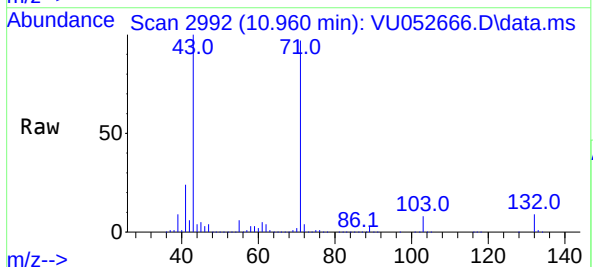
Instrument :
MSVOA_U
ClientSampleId :
MDL02

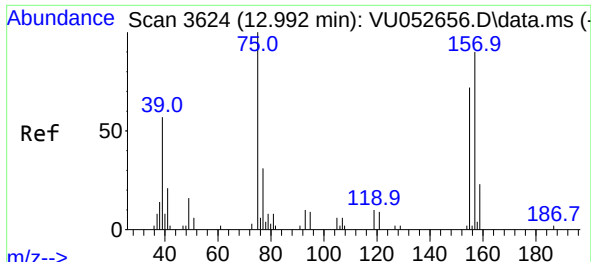
Tgt Ion: 43 Resp: 496963
Ion Ratio Lower Upper
43 100
58 0.4 45.1 67.7#
57 2.2 15.1 22.7#
100 0.0 9.0 13.4#



#61
1,2,3-Trichloropropane
Concen: 0.581 ug/L
RT: 10.960 min Scan# 2992
Delta R.T. 0.142 min
Lab File: VU052666.D
Acq: 13 Jan 2023 15:27

Tgt Ion: 75 Resp: 5292
Ion Ratio Lower Upper
75 100
110 0.0 27.2 40.8#
77 0.0 24.0 36.0#





#68

1,2-Dibromo-3-chloropropane

Concen: 0.634 ug/L

RT: 12.996 min Scan# 30

Delta R.T. 0.006 min

Lab File: VU052666.D

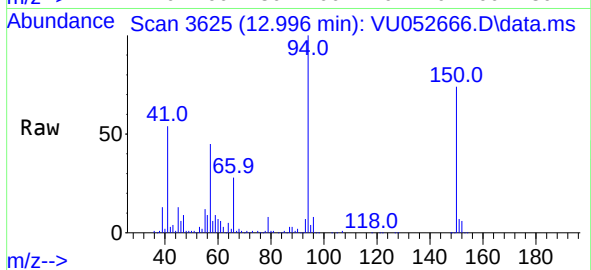
Acq: 13 Jan 2023 15:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02



Tgt Ion: 75 Resp: 1333

Ion Ratio Lower Upper

75 100

155 0.0 48.0 72.0#

157 0.0 69.3 103.9#

