

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
 Data File : VU046530.D
 Acq On : 21 Dec 2021 18:09
 Operator : SY/MD
 Sample : M5152-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 05:46:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 21 14:35:13 2021
 Response via : Initial Calibration

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

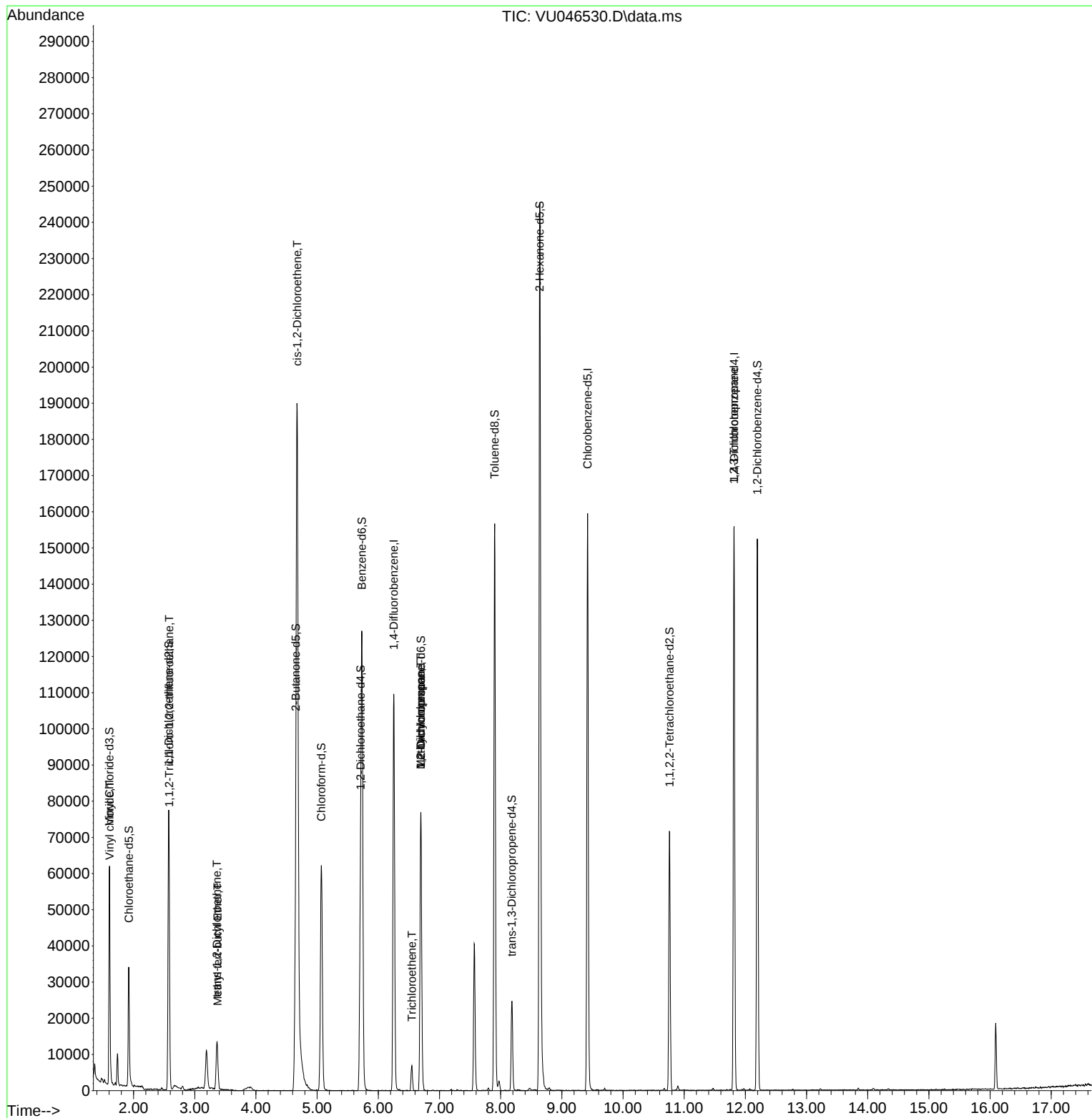
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	90662	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	88509	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	41841	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	34016	4.763	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.200%
7) Chloroethane-d5	1.922	69	27132	4.825	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.575	65	14647	4.864	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.200%
20) 2-Butanone-d5	4.652	46	108047	52.161	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.320%
24) Chloroform-d	5.070	84	60795	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.710	65	36188	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.732	84	120732	4.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	6.697	67	36197	4.882	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.903	98	104047	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	8.182	79	15676	4.572	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.639	63	97308	48.335	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.680%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	34941	4.592	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	39606	5.139	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.610	62	13774	1.171	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	374	0.048	ug/L #	21
17) Methyl tert-butyl Ether	3.372	73	4368	0.188	ug/L #	88
18) trans-1,2-Dichloroethene	3.363	96	4504	0.529	ug/L	97
22) cis-1,2-Dichloroethene	4.674	96	87086	9.365	ug/L	97
34) Trichloroethene	6.549	95	2366	0.255	ug/L	98
35) Methylcyclohexane	6.694	83	9065	0.694	ug/L #	18
37) 1,2-Dichloropropane	6.694	63	3874	0.432	ug/L #	88
61) 1,2,3-Trichloropropane	11.812	75	4702	0.677	ug/L #	65

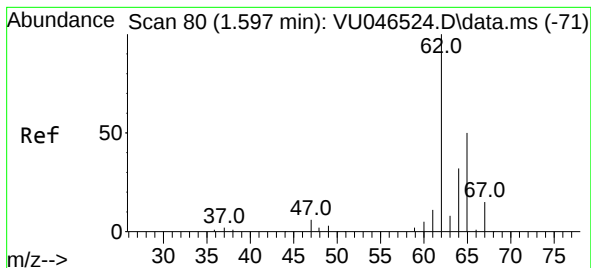
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.171 ug/L

RT: 1.610 min Scan# 84

Delta R.T. 0.013 min

Lab File: VU046530.D

Acq: 21 Dec 2021 18:09

Instrument :

MSVOA_U

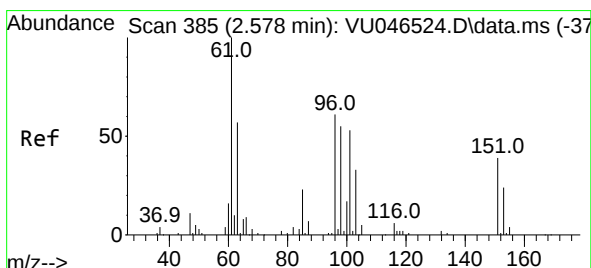
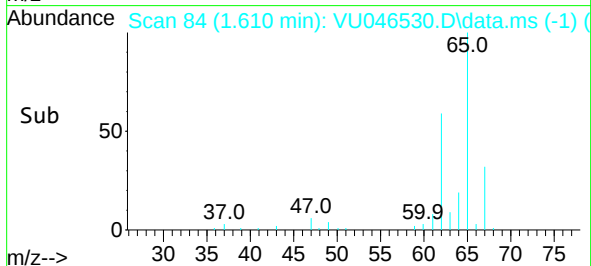
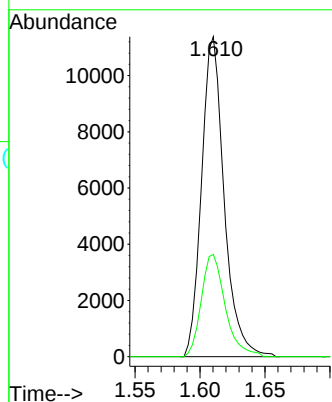
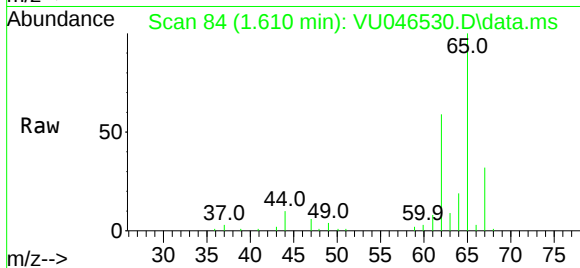
ClientSampleId :

Tgt Ion: 62 Resp: 13774

Ion Ratio Lower Upper

62 100

64 32.0 22.9 42.5



#10

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

Concen: 0.048 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU046530.D

Acq: 21 Dec 2021 18:09

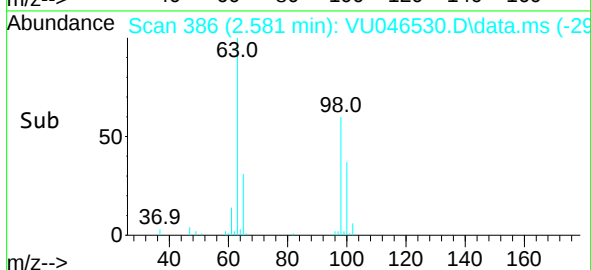
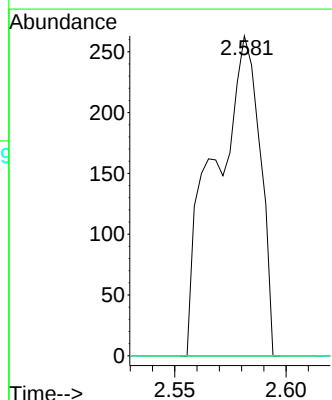
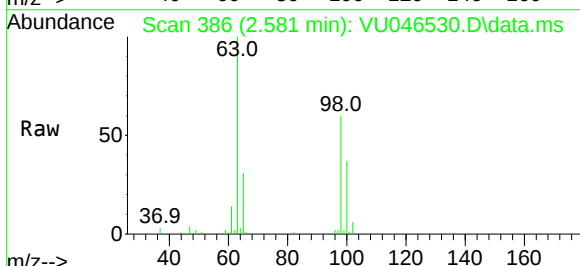
Tgt Ion: 101 Resp: 374

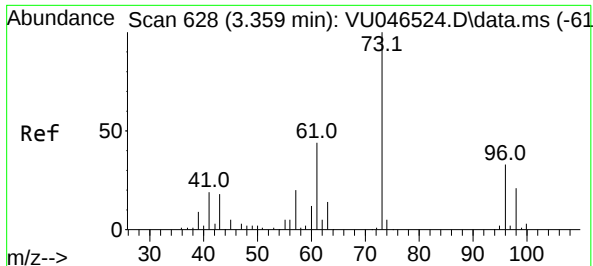
Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

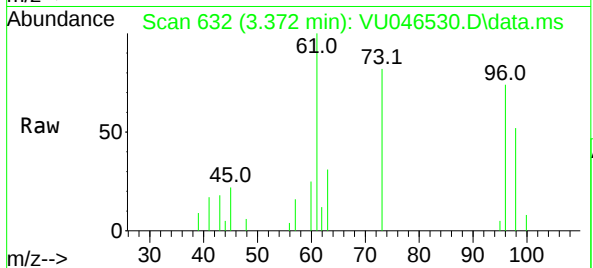
151 0.0 56.1 84.1#



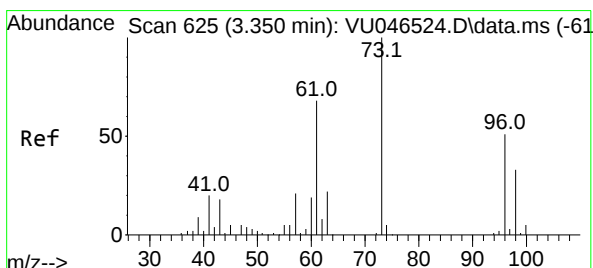
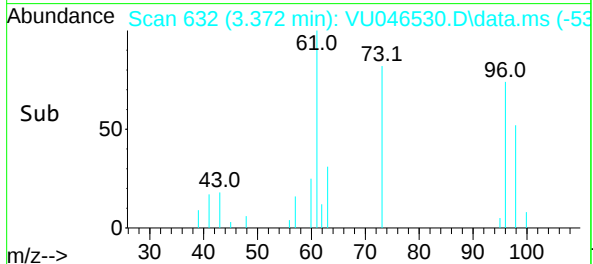
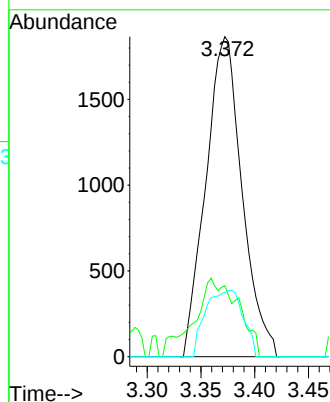


#17
Methyl tert-butyl Ether
Concen: 0.188 ug/L
RT: 3.372 min Scan# 61
Delta R.T. 0.013 min
Lab File: VU046530.D
Acq: 21 Dec 2021 18:09

Instrument :
MSVOA_U
ClientSampleId :

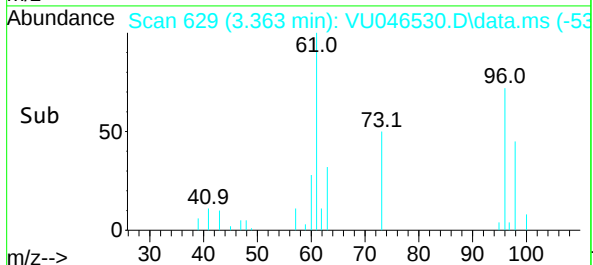
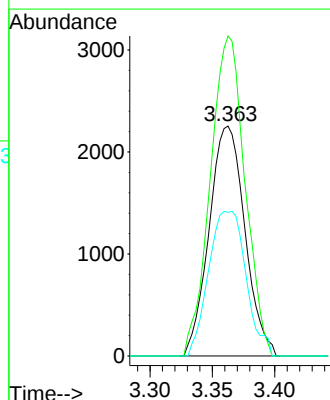
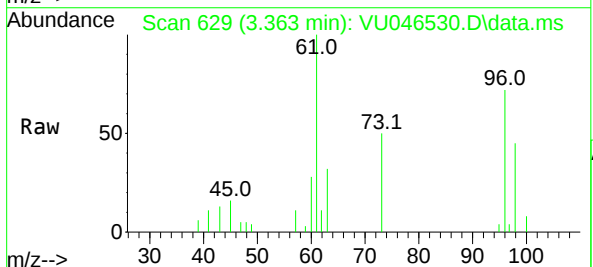


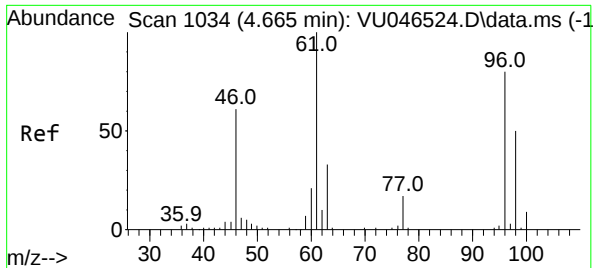
Tgt Ion: 73 Resp: 4368
Ion Ratio Lower Upper
73 100
43 30.1 14.8 22.2#
57 21.4 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 0.529 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.013 min
Lab File: VU046530.D
Acq: 21 Dec 2021 18:09

Tgt Ion: 96 Resp: 4504
Ion Ratio Lower Upper
96 100
61 139.2 100.8 187.2
98 62.5 45.1 83.7





#22

cis-1,2-Dichloroethene

Concen: 9.365 ug/L

RT: 4.674 min Scan# 1034

Delta R.T. 0.010 min

Lab File: VU046530.D

Acq: 21 Dec 2021 18:09

Instrument :

MSVOA_U

ClientSampleId :

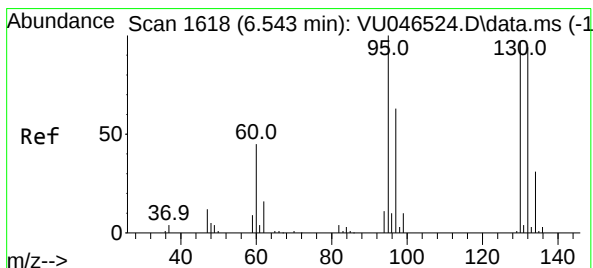
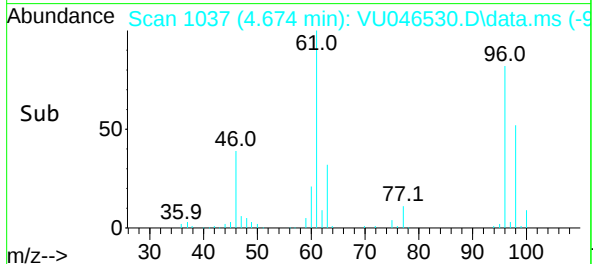
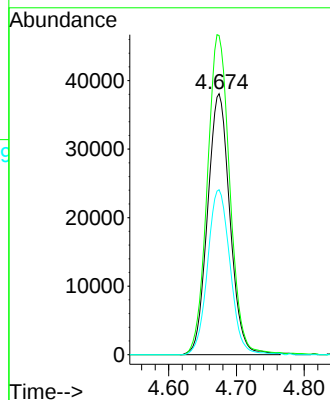
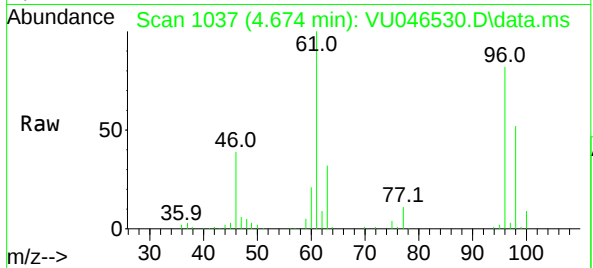
Tgt Ion: 96 Resp: 87086

Ion Ratio Lower Upper

96 100

61 122.3 88.5 164.3

98 63.2 44.4 82.5



#34

Trichloroethene

Concen: 0.255 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VU046530.D

Acq: 21 Dec 2021 18:09

Tgt Ion: 95 Resp: 2366

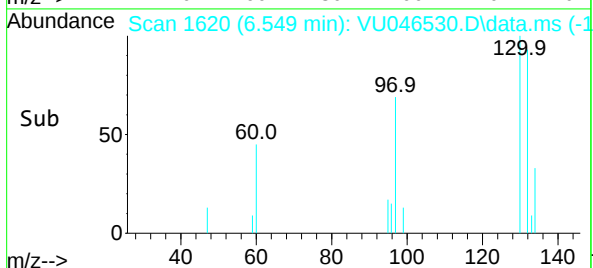
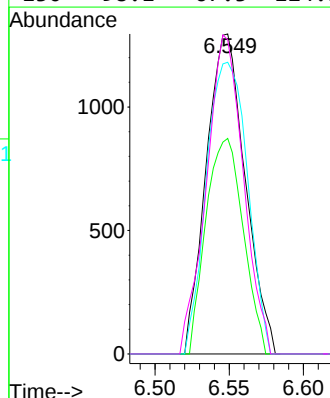
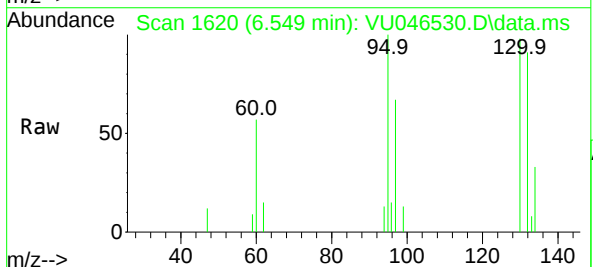
Ion Ratio Lower Upper

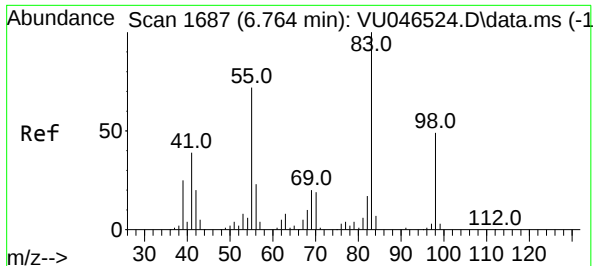
95 100

97 67.4 46.5 86.5

132 91.1 65.1 120.9

130 98.1 67.3 124.9

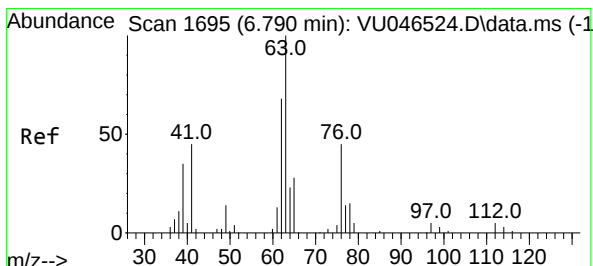
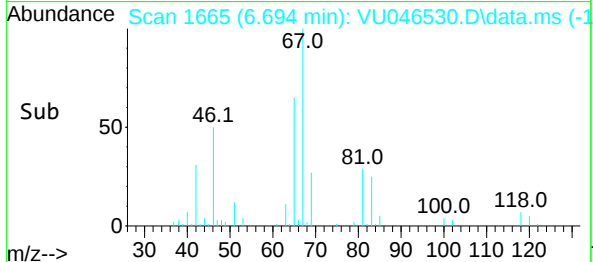
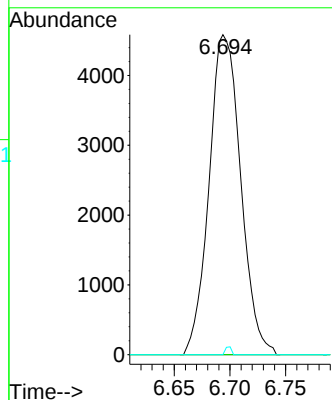
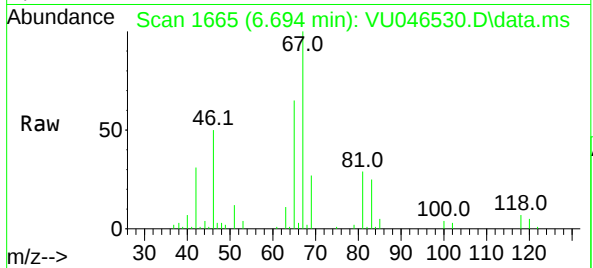




#35
Methylcyclohexane
Concen: 0.694 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU046530.D
Acq: 21 Dec 2021 18:09

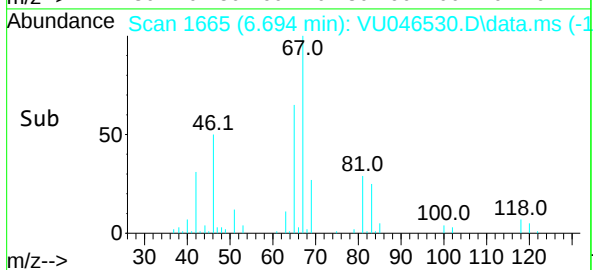
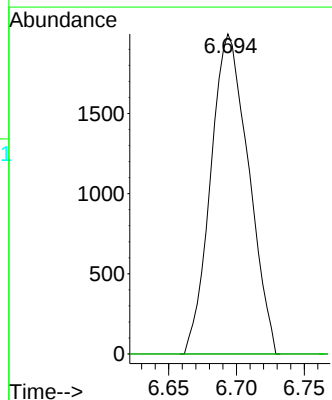
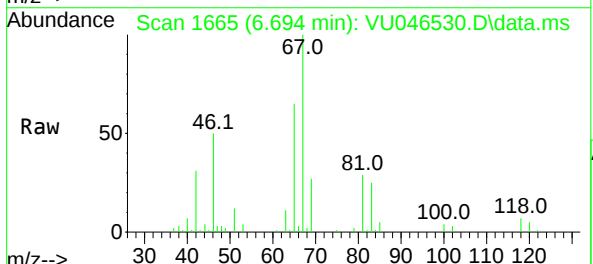
Instrument :
MSVOA_U
ClientSampleId :

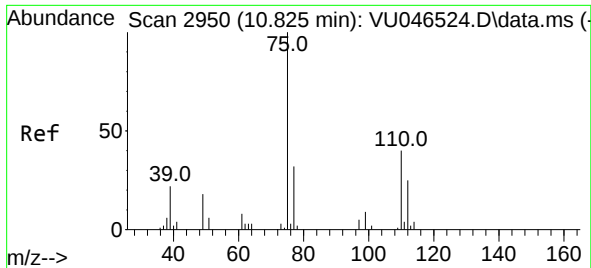
Tgt Ion: 83 Resp: 9065
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.5 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.432 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.096 min
Lab File: VU046530.D
Acq: 21 Dec 2021 18:09

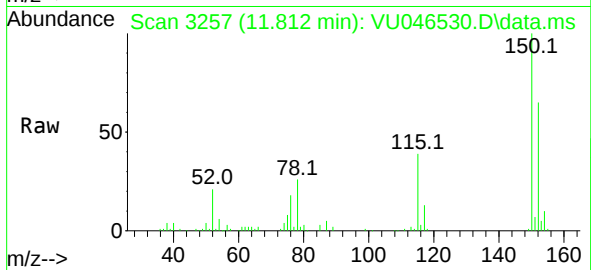
Tgt Ion: 63 Resp: 3874
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#61
 1,2,3-Trichloropropane
 Concen: 0.677 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046530.D
 Acq: 21 Dec 2021 18:09

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 4702
 Ion Ratio Lower Upper
 75 100
 110 0.0 29.9 44.9#
 77 30.9 25.5 38.3

