

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092023\
 Data File : VU055427.D
 Acq On : 20 Sep 2023 16:05
 Operator : MD/SY
 Sample : 04398-07DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 00:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 21 00:26:15 2023
 Response via : Initial Calibration

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

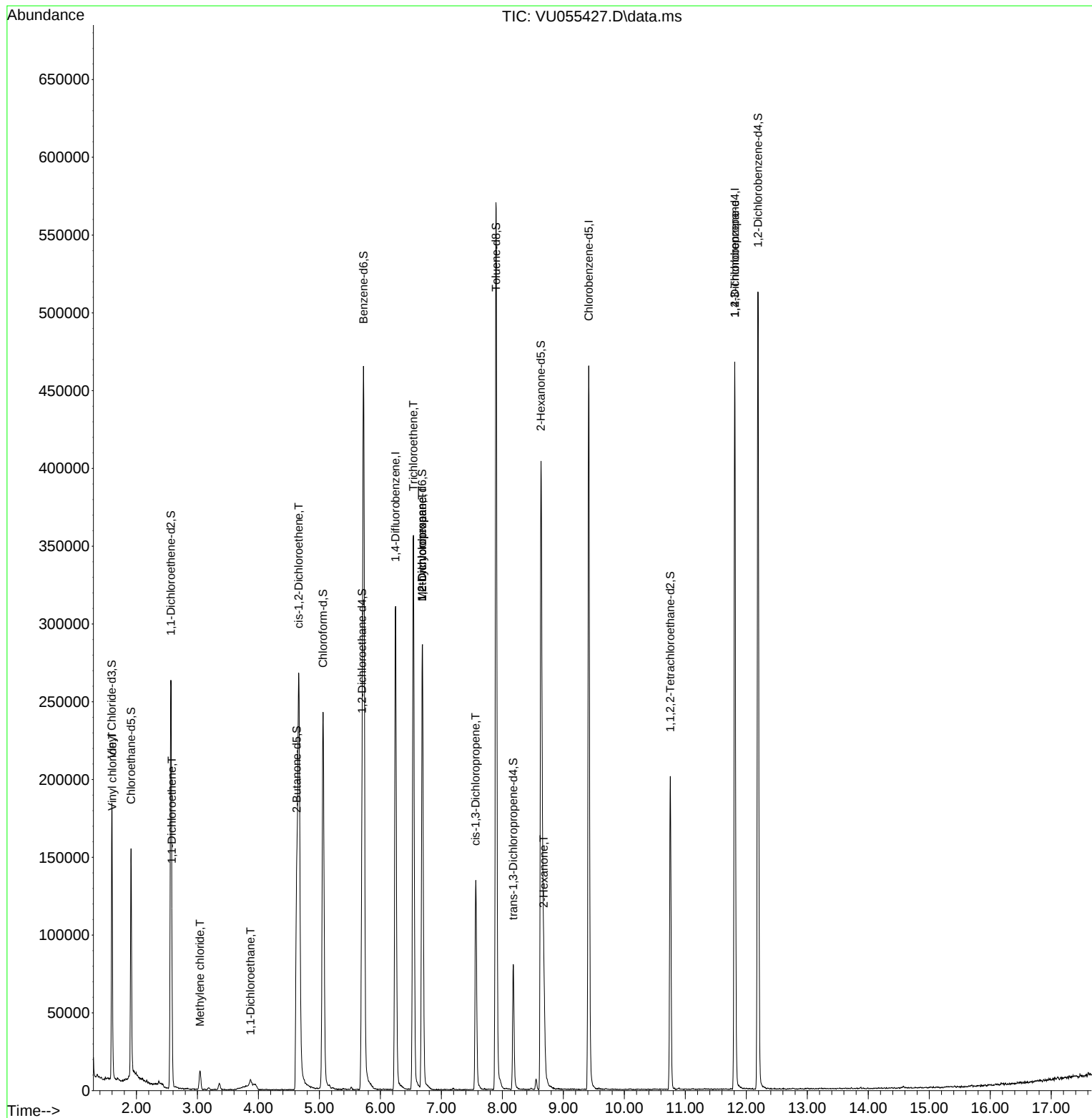
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	255237	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	262891	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	124818	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	113009	4.381	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.911	69	102546	4.511	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.563	65	46864	4.414	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.628	46	233780	50.173	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.340%
24) Chloroform-d	5.058	84	229072	4.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.698	65	117299	5.226	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
32) Benzene-d6	5.724	84	448342	4.876	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.685	67	137214	4.994	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.894	98	392608	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.177	79	46913	4.866	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.400%
46) 2-Hexanone-d5	8.631	63	128020	43.653	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	99232	4.819	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	133764	5.310	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						
5) Vinyl chloride	1.602	62	19109	0.810	ug/L	89
12) 1,1-Dichloroethene	2.579	96	9911	0.555	ug/L #	1
16) Methylene chloride	3.039	84	6410	0.300	ug/L	97
19) 1,1-Dichloroethane	3.869	63	4242	0.128	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	116656	5.594	ug/L	97
34) Trichloroethene	6.541	95	121943	5.697	ug/L	97
35) Methylcyclohexane	6.685	83	33980	1.102	ug/L #	21
37) 1,2-Dichloropropane	6.685	63	15319	0.774	ug/L #	90
39) cis-1,3-Dichloropropene	7.560	75	3431	0.130	ug/L #	52
48) 2-Hexanone	8.679	43	39420	5.666	ug/L #	73
61) 1,2,3-Trichloropropane	11.811	75	15542	1.595	ug/L #	68

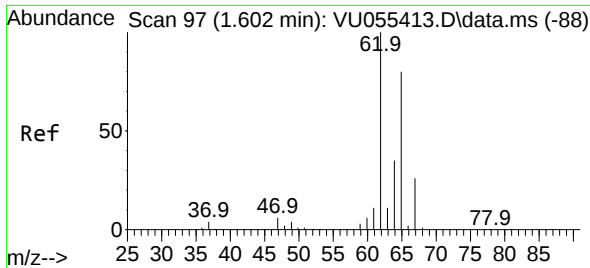
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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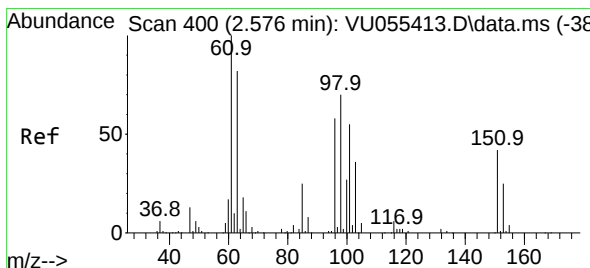
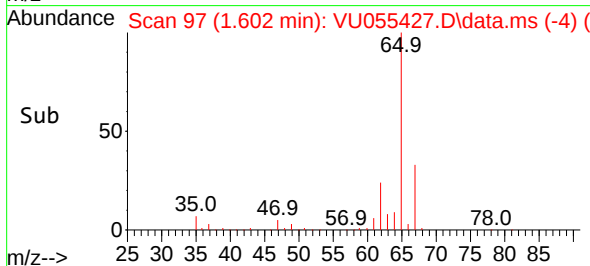
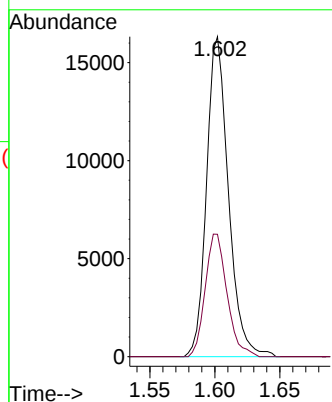
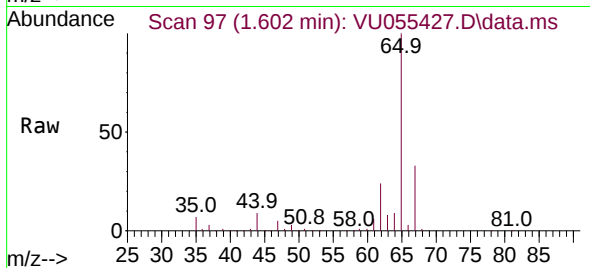




#5
 Vinyl chloride
 Concen: 0.810 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055427.D
 Acq: 20 Sep 2023 16:05

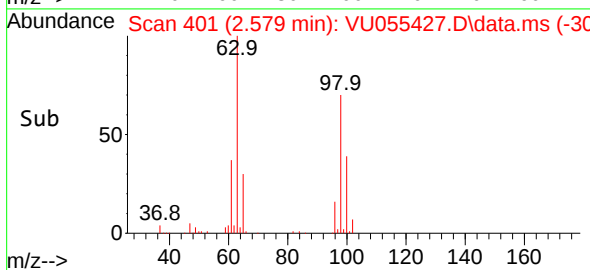
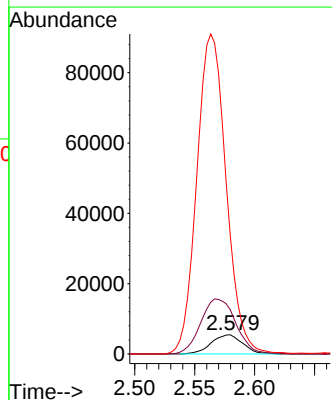
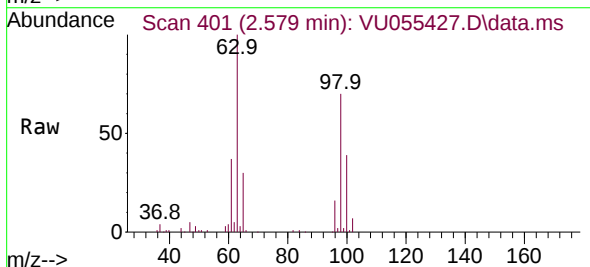
Instrument :
 MSVOA_U
 ClientSampleId :

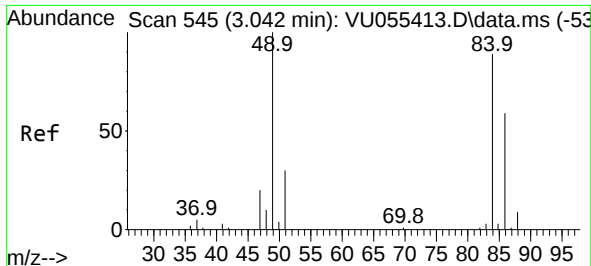
Tgt Ion: 62 Resp: 19109
 Ion Ratio Lower Upper
 62 100
 64 38.3 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 0.555 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU055427.D
 Acq: 20 Sep 2023 16:05

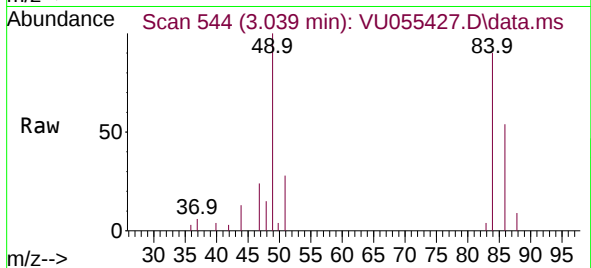
Tgt Ion: 96 Resp: 9911
 Ion Ratio Lower Upper
 96 100
 61 231.7 114.5 212.7#
 63 626.4 98.3 182.5#



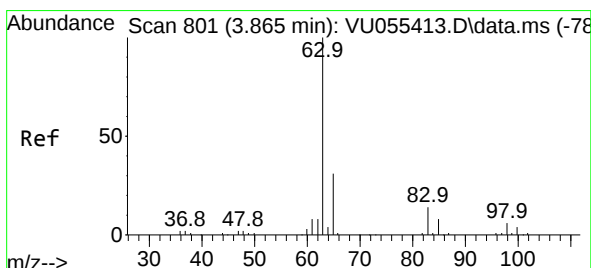
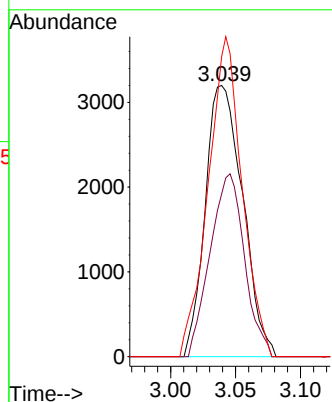
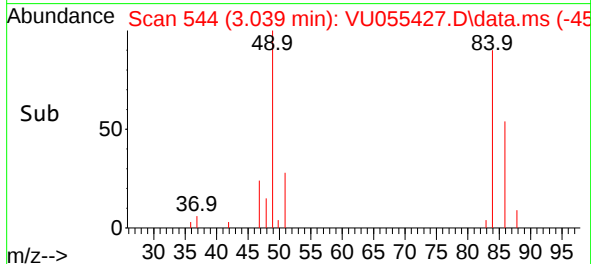


#16
Methylene chloride
Concen: 0.300 ug/L
RT: 3.039 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU055427.D
Acq: 20 Sep 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :

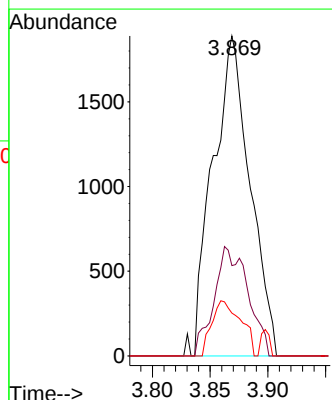
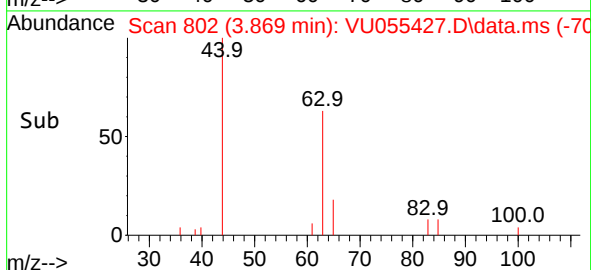
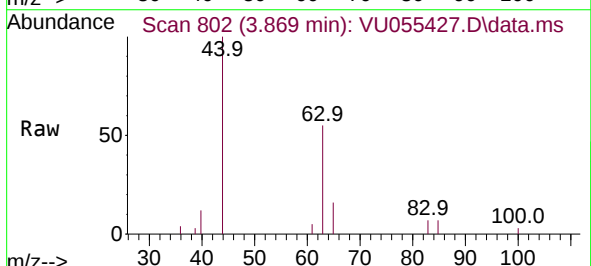


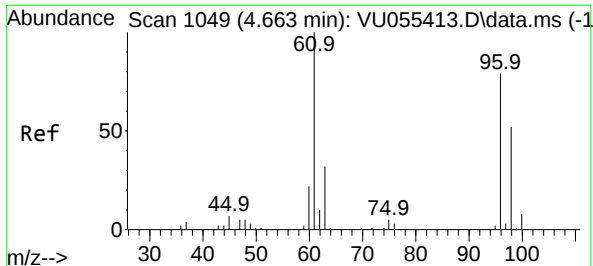
Tgt Ion: 84 Resp: 6410
Ion Ratio Lower Upper
84 100
86 60.0 44.9 83.3
49 114.8 78.8 146.3



#19
1,1-Dichloroethane
Concen: 0.128 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055427.D
Acq: 20 Sep 2023 16:05

Tgt Ion: 63 Resp: 4242
Ion Ratio Lower Upper
63 100
65 28.2 22.0 41.0
83 13.4 10.1 18.9

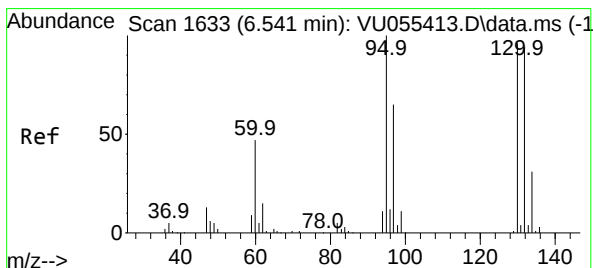
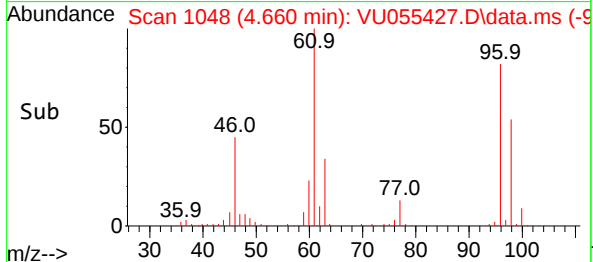
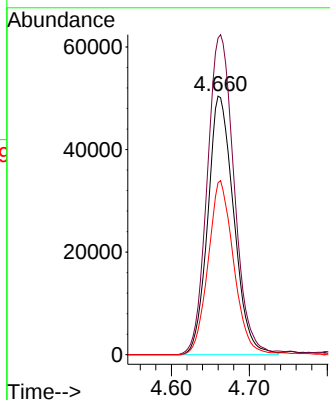
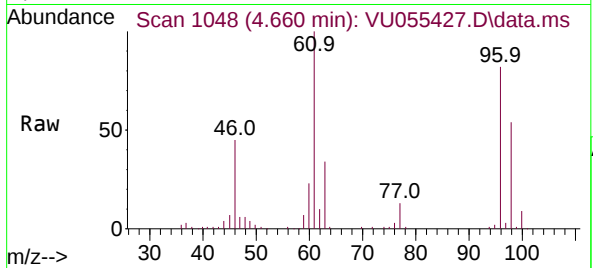




#22
 cis-1,2-Dichloroethene
 Concen: 5.594 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU055427.D
 Acq: 20 Sep 2023 16:05

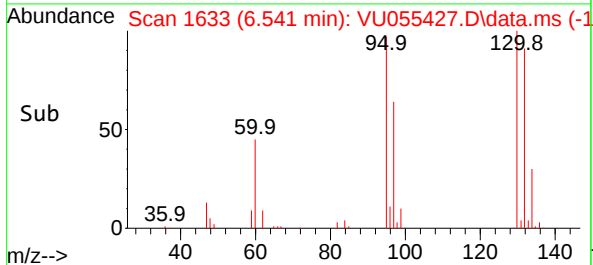
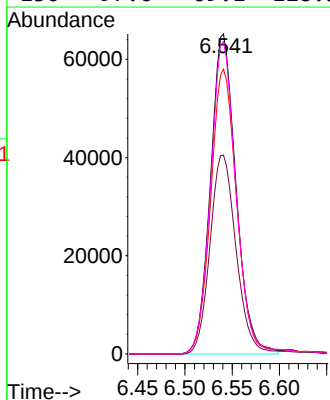
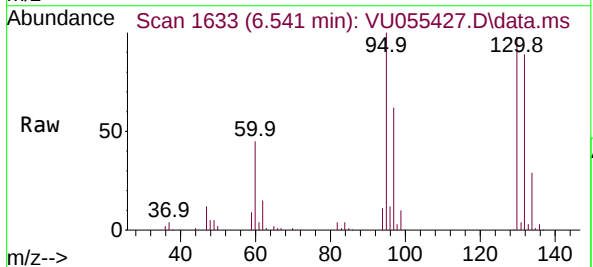
Instrument :
 MSVOA_U
 ClientSampleId :

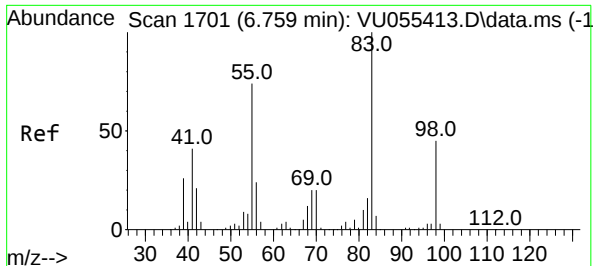
Tgt Ion: 96 Resp: 116656
 Ion Ratio Lower Upper
 96 100
 61 122.5 87.8 163.2
 98 66.5 44.4 82.4



#34
 Trichloroethene
 Concen: 5.697 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. 0.000 min
 Lab File: VU055427.D
 Acq: 20 Sep 2023 16:05

Tgt Ion: 95 Resp: 121943
 Ion Ratio Lower Upper
 95 100
 97 62.2 45.4 84.2
 132 89.0 65.2 121.2
 130 97.6 69.1 128.3

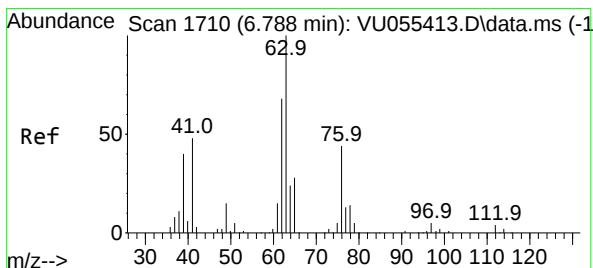
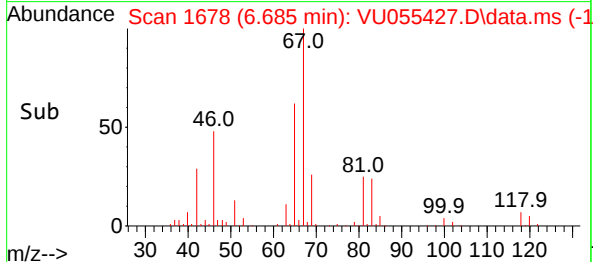
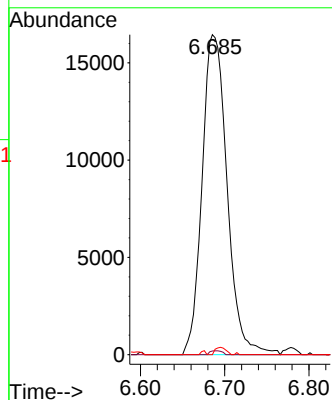
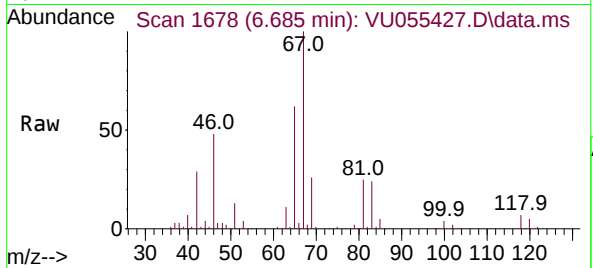




#35
Methylcyclohexane
Concen: 1.102 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU055427.D
Acq: 20 Sep 2023 16:05

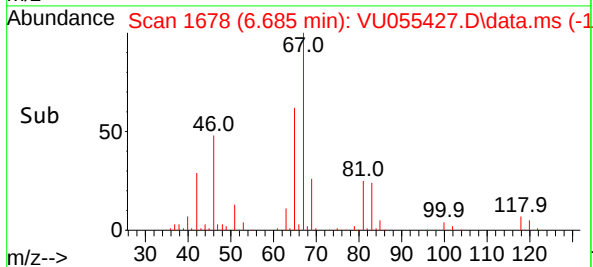
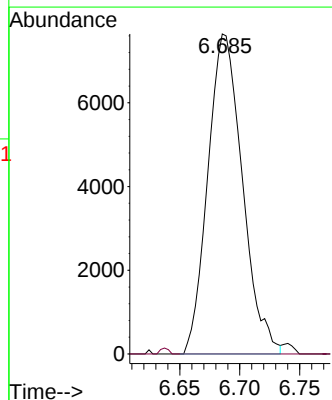
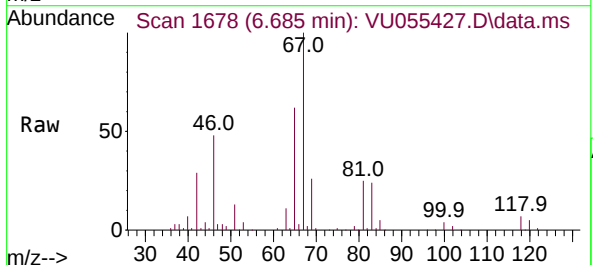
Instrument :
MSVOA_U
ClientSampleId :

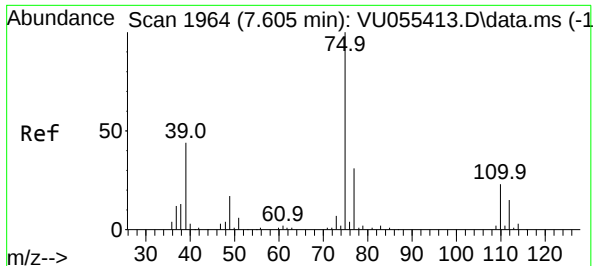
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.6	59.1	88.7#
98	1.0	36.3	54.5#



#37
1,2-Dichloropropane
Concen: 0.774 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.103 min
Lab File: VU055427.D
Acq: 20 Sep 2023 16:05

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.5	3.0	4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.130 ug/L

RT: 7.560 min Scan# 1964

Delta R.T. -0.045 min

Lab File: VU055427.D

Acq: 20 Sep 2023 16:05

Instrument :

MSVOA_U

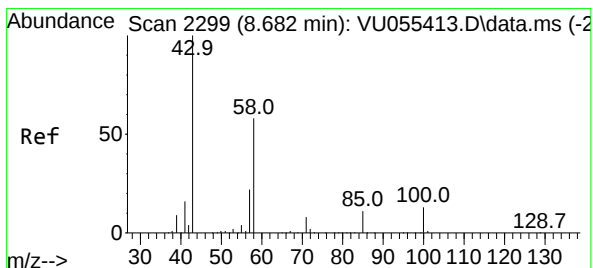
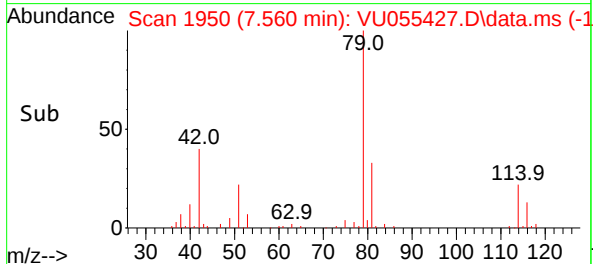
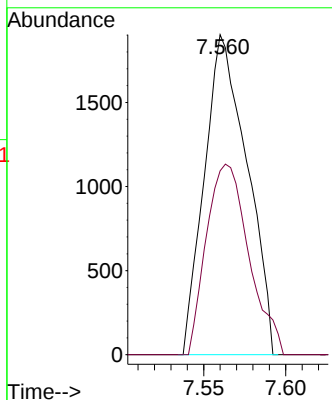
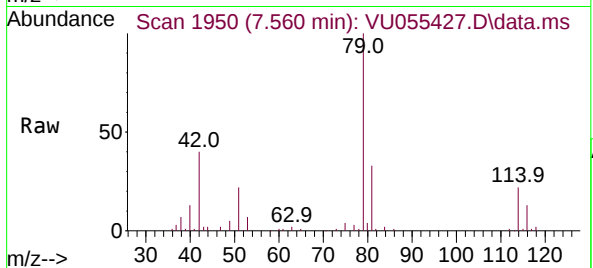
ClientSampleId :

Tgt Ion: 75 Resp: 3431

Ion Ratio Lower Upper

75 100

77 57.4 21.6 40.2#



#48

2-Hexanone

Concen: 5.666 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. -0.003 min

Lab File: VU055427.D

Acq: 20 Sep 2023 16:05

Tgt Ion: 43 Resp: 39420

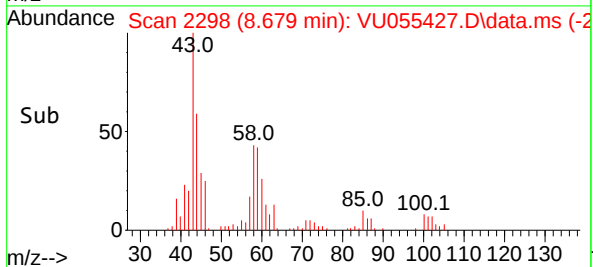
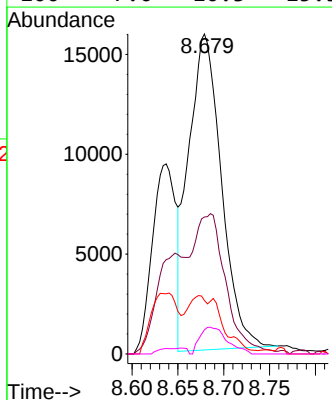
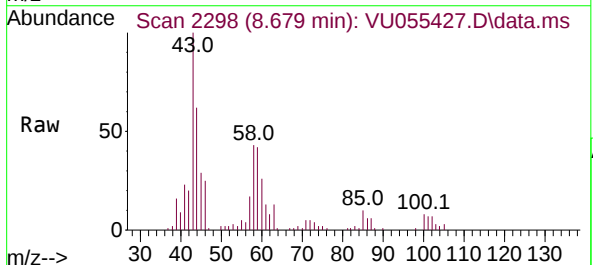
Ion Ratio Lower Upper

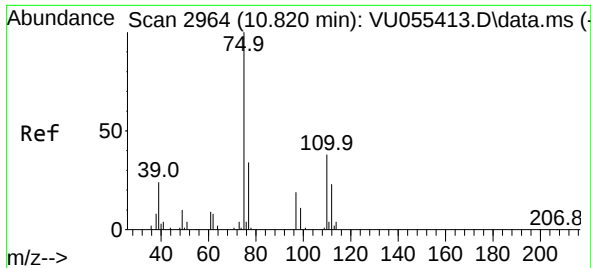
43 100

58 40.5 48.5 72.7#

57 3.7 17.0 25.4#

100 7.0 10.3 15.5#





#61

1,2,3-Trichloropropane

Concen: 1.595 ug/L

RT: 11.811 min Scan# 31

Delta R.T. 0.990 min

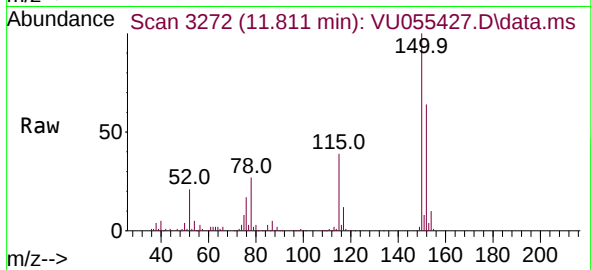
Lab File: VU055427.D

Acq: 20 Sep 2023 16:05

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 15542

Ion Ratio Lower Upper

75 100

110 2.9 30.6 45.8#

77 34.1 26.7 40.1

