

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090524\
 Data File : VU060629.D
 Acq On : 05 Sep 2024 16:45
 Operator : MD/SY
 Sample : P3809-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 02:07:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 06 02:03:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	122227	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	132018	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	73870	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	27283	5.054	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.000%
7) Chloroethane-d5	1.911	69	28444	3.478	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.600%
11) 1,1-Dichloroethene-d2	2.563	65	12825	4.031	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.600%
20) 2-Butanone-d5	4.637	46	77542	41.769	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.540%
24) Chloroform-d	5.055	84	68146	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.698	65	34603	4.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.721	84	129256	4.477	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
36) 1,2-Dichloropropane-d6	6.685	67	42421	4.554	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.894	98	106117	3.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.177	79	13337	4.001	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.000%
46) 2-Hexanone-d5	8.631	63	59714	37.419	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.840%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	36407	4.393	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	50025	4.593	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	7329	0.619	ug/L	90
8) Chloroethane	1.737	64	95425	8.838	ug/L #	52
13) Acetone	2.650	43	55643	35.820	ug/L	91
14) Carbon disulfide	2.792	76	17238	0.530	ug/L	98
16) Methylene chloride	3.042	84	2934	0.302	ug/L	92
17) Methyl tert-butyl Ether	3.361	73	335829	16.519	ug/L	96
19) 1,1-Dichloroethane	3.869	63	9843	0.557	ug/L	93
21) 2-Butanone	4.724	43	11572	5.447	ug/L	79
22) cis-1,2-Dichloroethene	4.663	96	20194	2.078	ug/L	98
33) Benzene	5.769	78	73098	1.746	ug/L	100
35) Methylcyclohexane	6.756	83	3093	0.199	ug/L #	83
42) Toluene	7.965	91	5880	0.133	ug/L	98
51) Chlorobenzene	9.441	112	60748	2.121	ug/L	99
52) Ethylbenzene	9.569	91	8234	0.176	ug/L	94
54) o-Xylene	10.097	106	2639	0.148	ug/L	94
60) Isopropylbenzene	10.479	105	309605	6.274	ug/L	100
61) 1,2,3-Trichloropropane	10.897	75	2064	0.290	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.463	105	49857	1.355	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	49857	1.329	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 06 02:03:06 2024
Response via : Initial Calibration

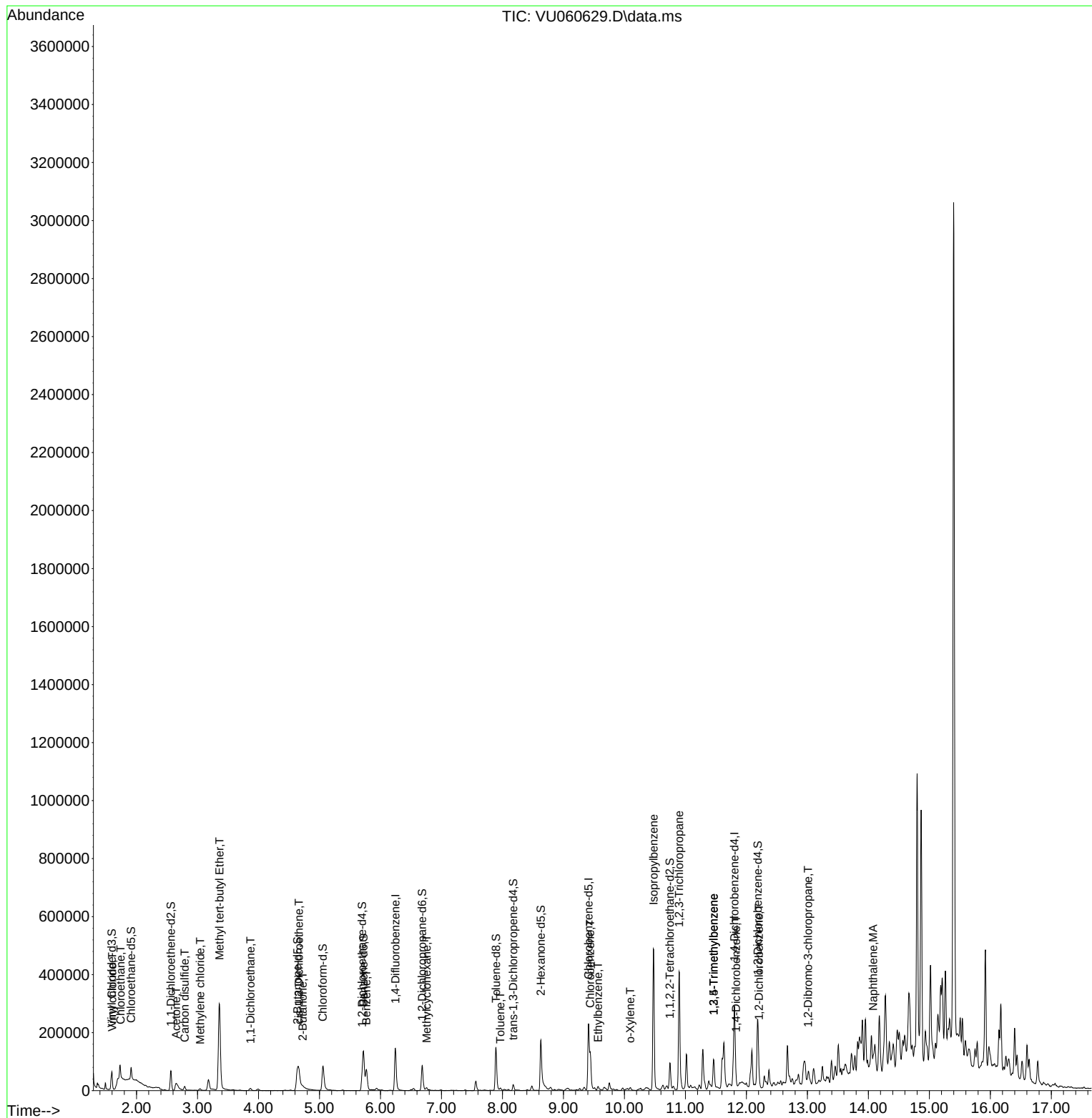
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.833	146	4275	0.174	ug/L #	87
67) 1,2-Dichlorobenzene	12.206	146	6244	0.276	ug/L	90
68) 1,2-Dibromo-3-chloropr...	13.013	75	242	0.150	ug/L #	8
71) Naphthalene	14.080	128	52518	2.736	ug/L #	96

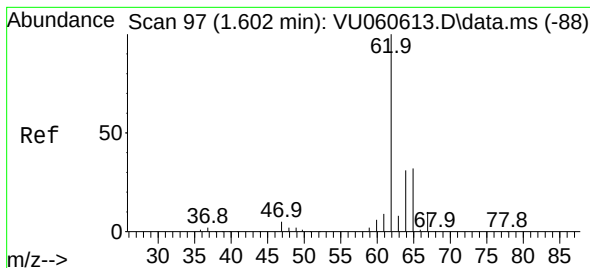
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.619 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU060629.D

Acq: 05 Sep 2024 16:45

Instrument :

MSVOA_U

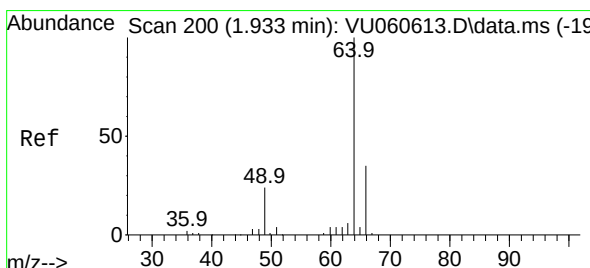
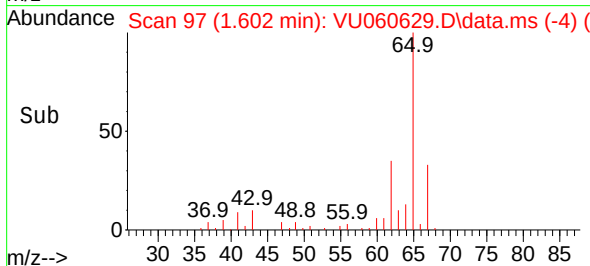
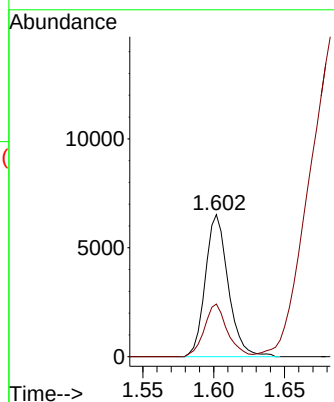
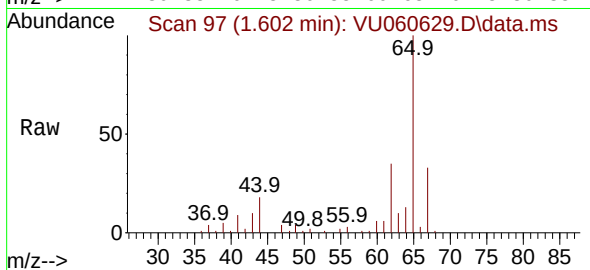
ClientSampleId :

Tgt Ion: 62 Resp: 7329

Ion Ratio Lower Upper

62 100

64 37.0 22.0 40.8



#8

Chloroethane

Concen: 8.838 ug/L

RT: 1.737 min Scan# 139

Delta R.T. -0.196 min

Lab File: VU060629.D

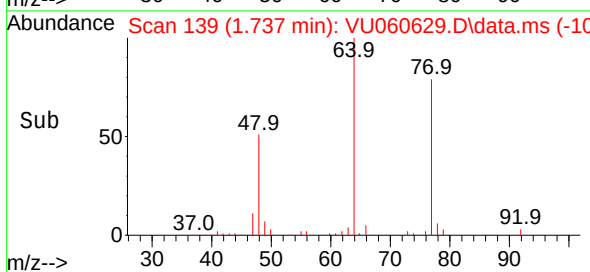
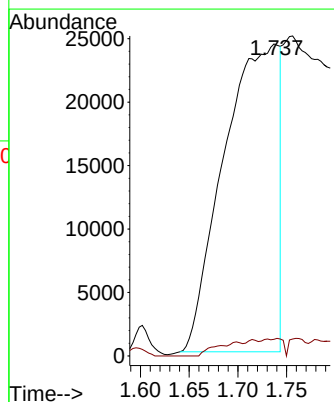
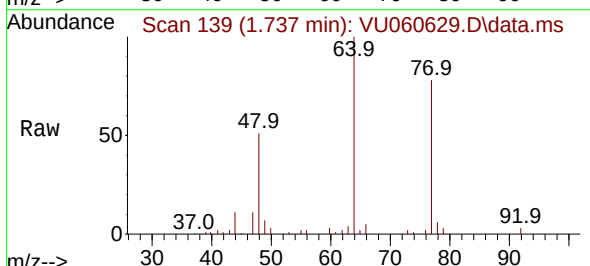
Acq: 05 Sep 2024 16:45

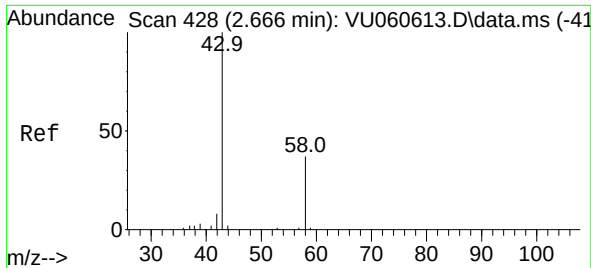
Tgt Ion: 64 Resp: 95425

Ion Ratio Lower Upper

64 100

66 5.3 22.5 41.9#





#13

Acetone

Concen: 35.820 ug/L

RT: 2.650 min Scan# 41

Delta R.T. -0.016 min

Lab File: VU060629.D

Acq: 05 Sep 2024 16:45

Instrument :

MSVOA_U

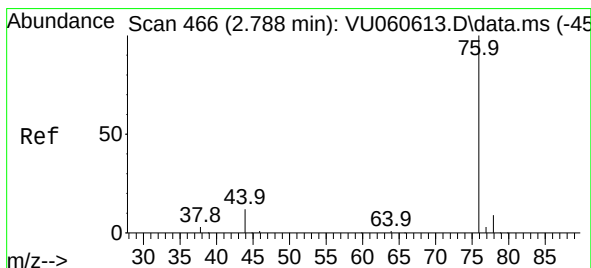
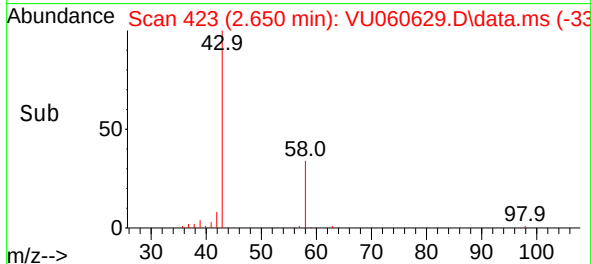
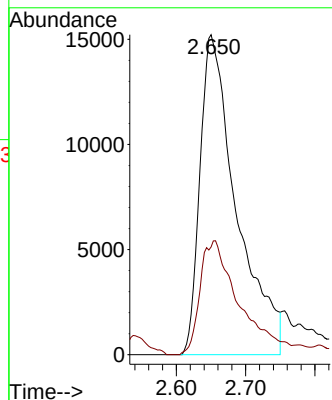
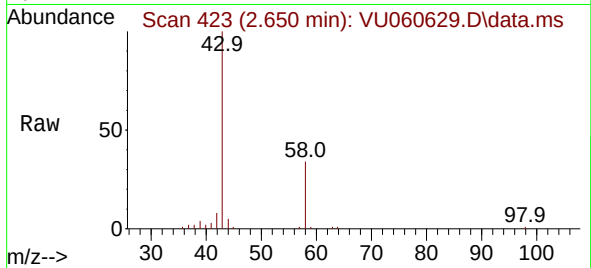
ClientSampleId :

Tgt Ion: 43 Resp: 55643

Ion Ratio Lower Upper

43 100

58 38.4 0.0 66.8



#14

Carbon disulfide

Concen: 0.530 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU060629.D

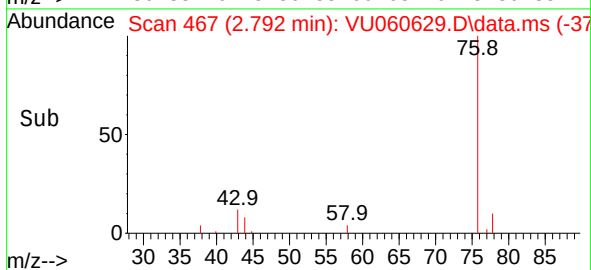
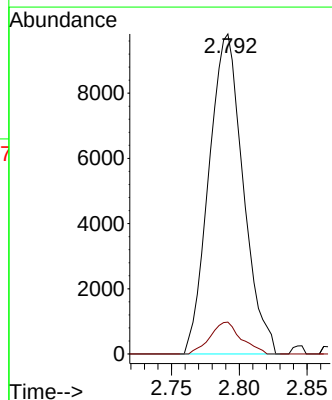
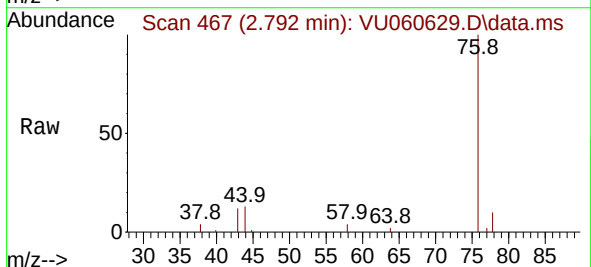
Acq: 05 Sep 2024 16:45

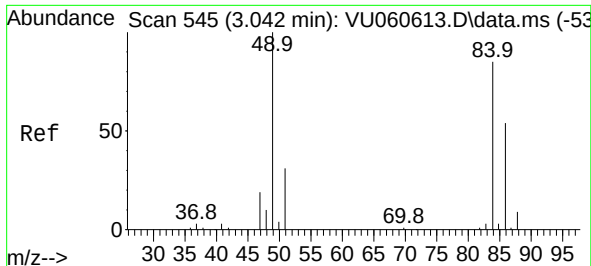
Tgt Ion: 76 Resp: 17238

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2





#16

Methylene chloride

Concen: 0.302 ug/L

RT: 3.042 min Scan# 545

Delta R.T. -0.000 min

Lab File: VU060629.D

Acq: 05 Sep 2024 16:45

Instrument :

MSVOA_U

ClientSampleId :

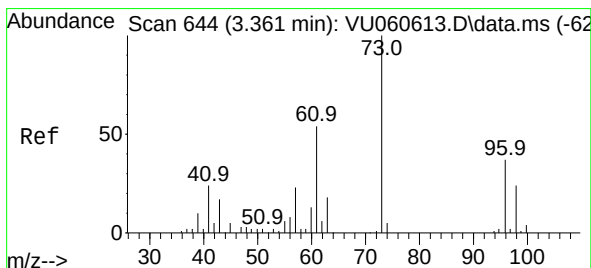
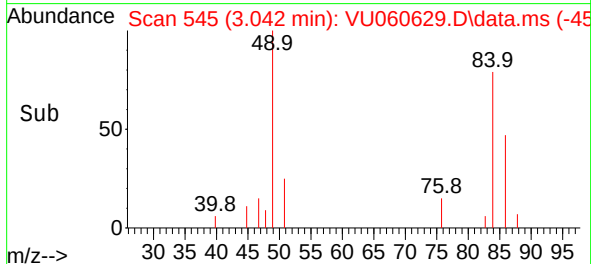
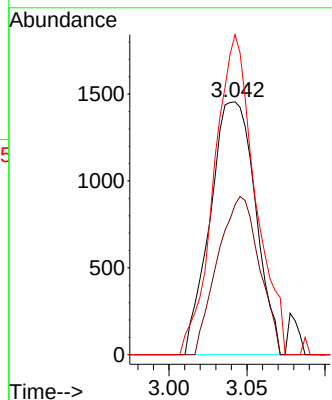
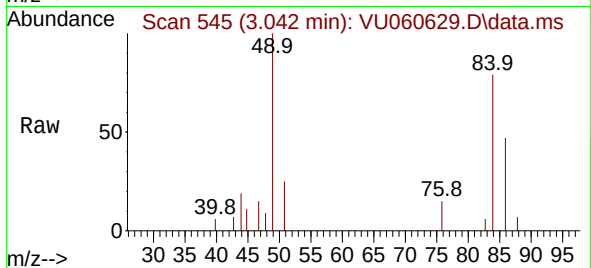
Tgt Ion: 84 Resp: 2934

Ion Ratio Lower Upper

84 100

86 59.3 47.5 88.3

49 126.6 94.4 175.2



#17

Methyl tert-butyl Ether

Concen: 16.519 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.000 min

Lab File: VU060629.D

Acq: 05 Sep 2024 16:45

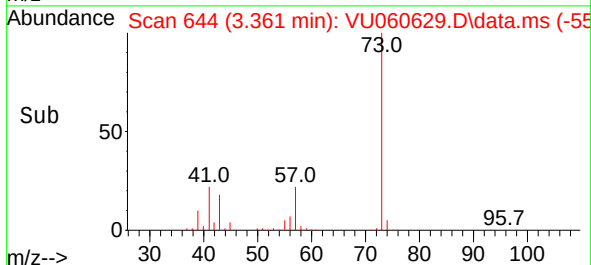
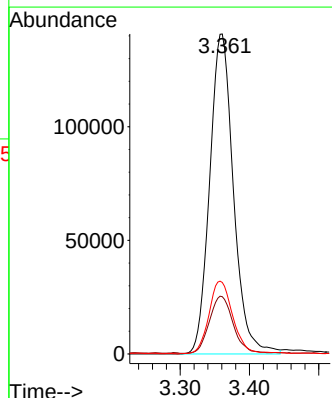
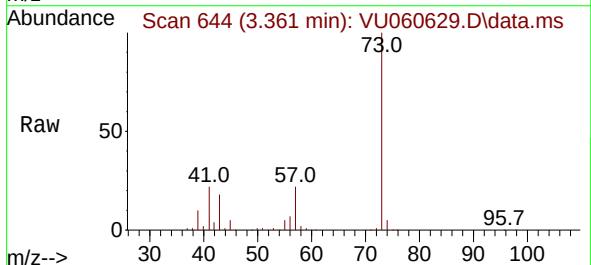
Tgt Ion: 73 Resp: 335829

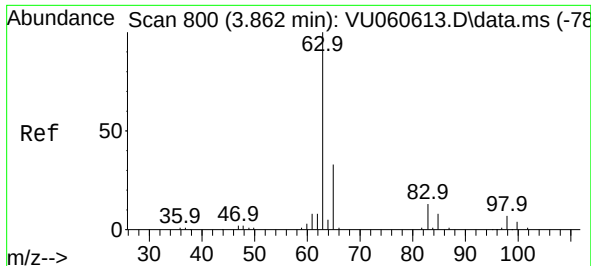
Ion Ratio Lower Upper

73 100

43 17.8 15.8 23.6

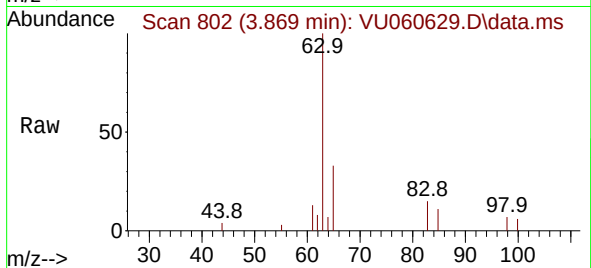
57 22.7 16.8 25.2



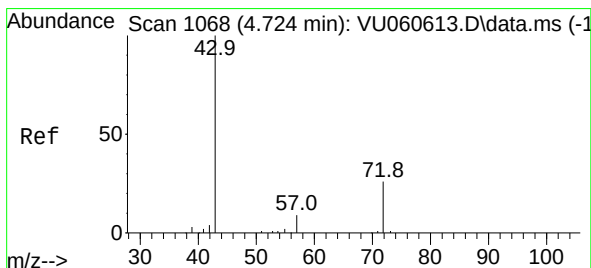
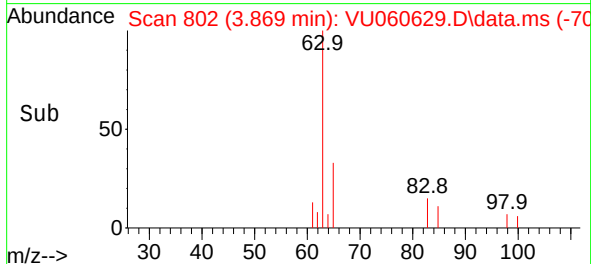
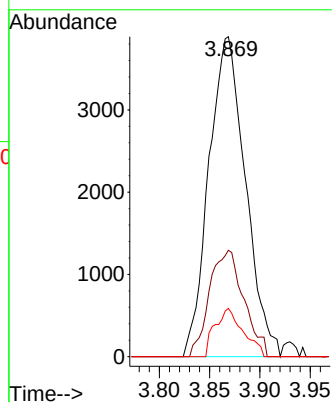


#19
1,1-Dichloroethane
Concen: 0.557 ug/L
RT: 3.869 min Scan# 800
Delta R.T. 0.006 min
Lab File: VU060629.D
Acq: 05 Sep 2024 16:45

Instrument :
MSVOA_U
ClientSampleId :

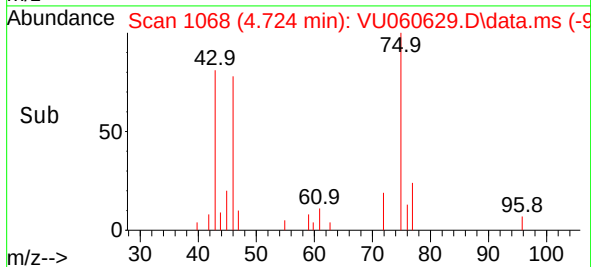
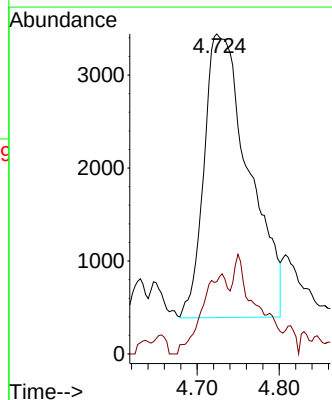
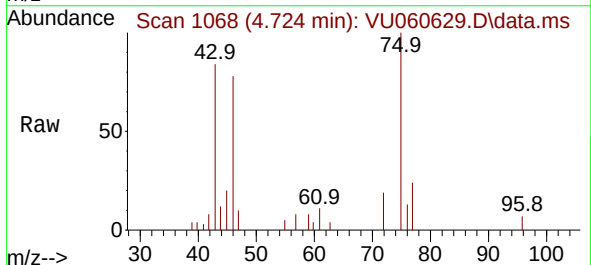


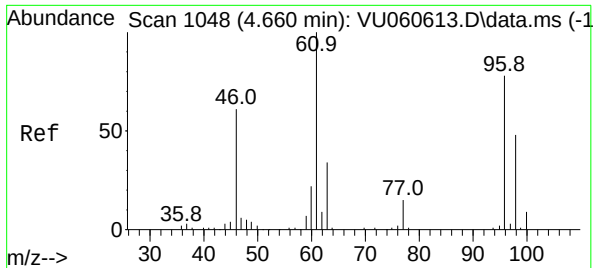
Tgt Ion: 63 Resp: 9843
Ion Ratio Lower Upper
63 100
65 33.2 20.5 38.1
83 15.1 9.2 17.2



#21
2-Butanone
Concen: 5.447 ug/L
RT: 4.724 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VU060629.D
Acq: 05 Sep 2024 16:45

Tgt Ion: 43 Resp: 11572
Ion Ratio Lower Upper
43 100
72 16.8 14.0 42.0

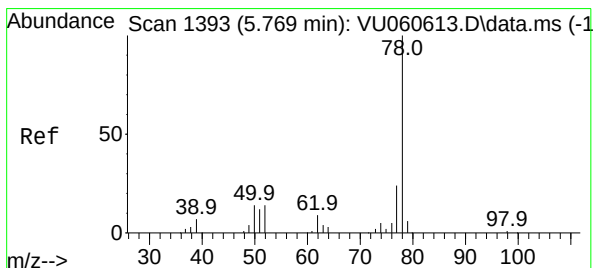
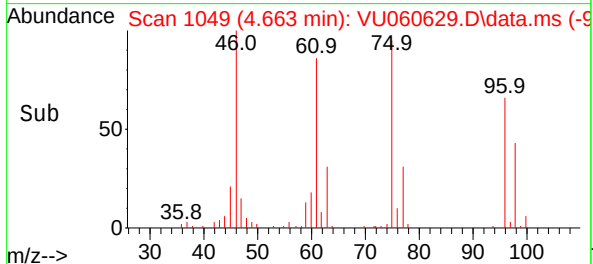
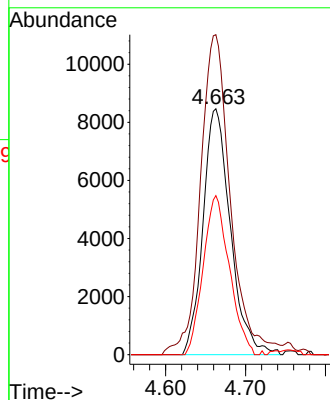
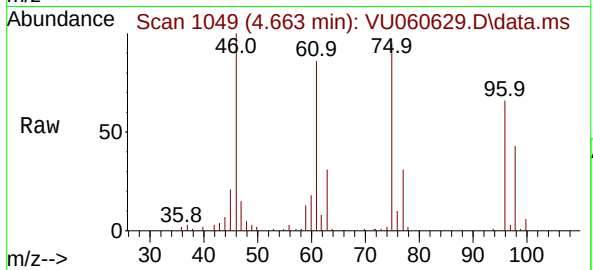




#22
 cis-1,2-Dichloroethene
 Concen: 2.078 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.003 min
 Lab File: VU060629.D
 Acq: 05 Sep 2024 16:45

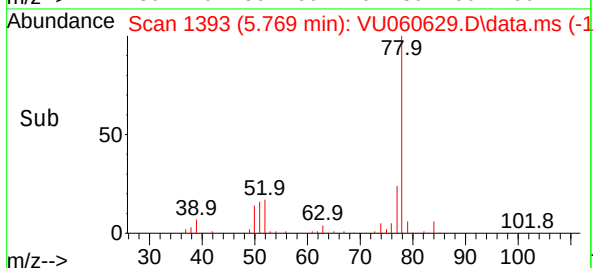
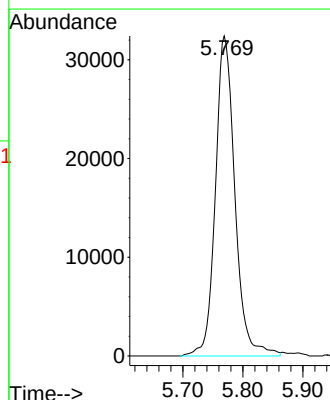
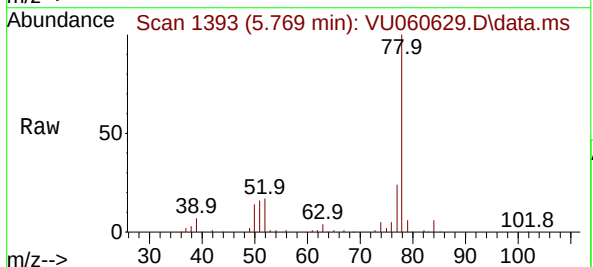
Instrument :
 MSVOA_U
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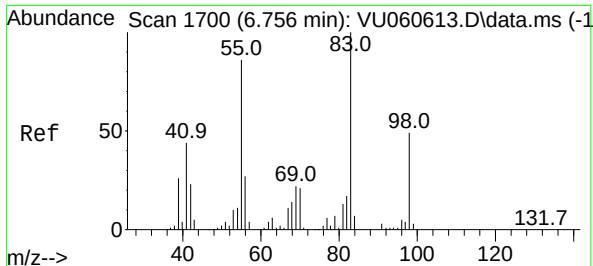
Tgt Ion: 96 Resp: 20194
 Ion Ratio Lower Upper
 96 100
 61 130.1 92.9 172.5
 98 64.7 45.0 83.6



#33
 Benzene
 Concen: 1.746 ug/L
 RT: 5.769 min Scan# 1393
 Delta R.T. -0.000 min
 Lab File: VU060629.D
 Acq: 05 Sep 2024 16:45

Tgt Ion: 78 Resp: 73098





#35

Methylcyclohexane

Concen: 0.199 ug/L

RT: 6.756 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU060629.D

Acq: 05 Sep 2024 16:45

Instrument :

MSVOA_U

ClientSampleId :

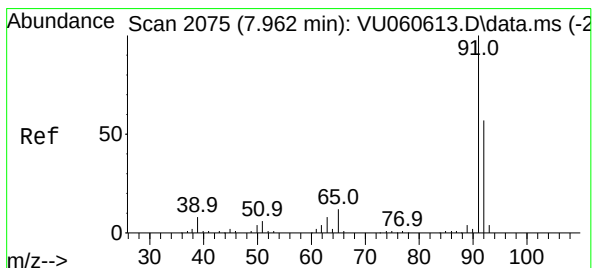
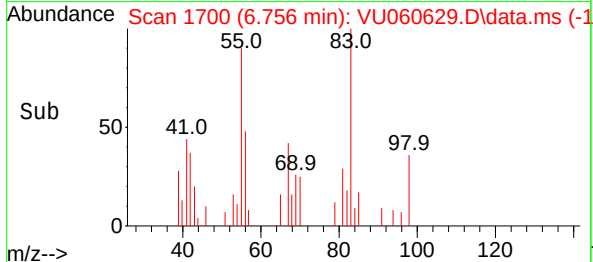
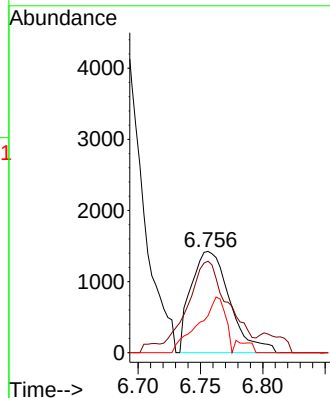
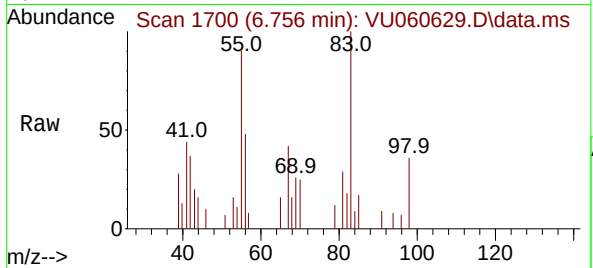
Tgt Ion: 83 Resp: 3093

Ion Ratio Lower Upper

83 100

55 99.8 65.8 98.8#

98 39.7 37.8 56.8



#42

Toluene

Concen: 0.133 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU060629.D

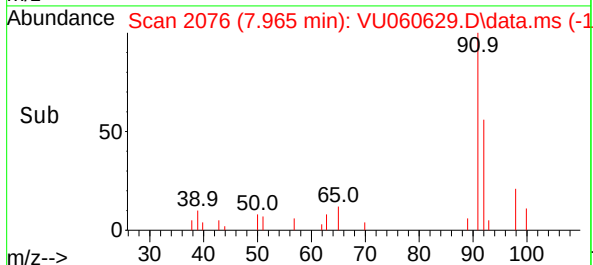
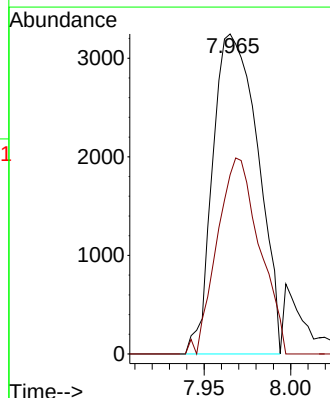
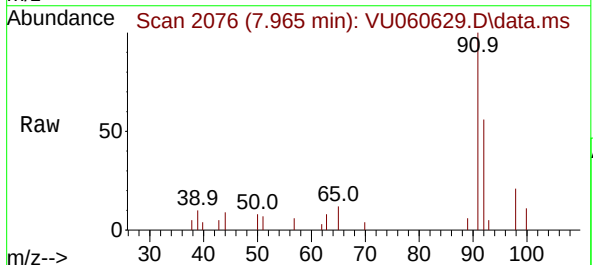
Acq: 05 Sep 2024 16:45

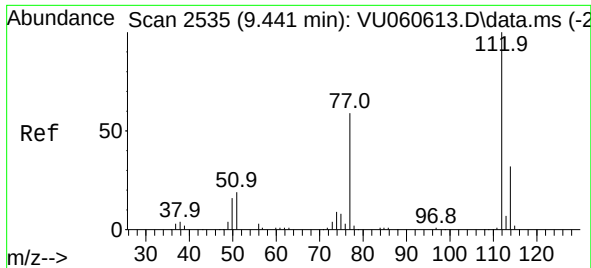
Tgt Ion: 91 Resp: 5880

Ion Ratio Lower Upper

91 100

92 56.0 38.0 70.6

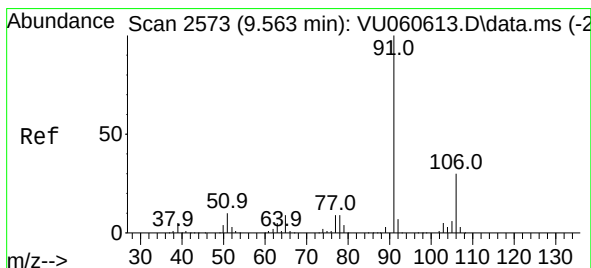
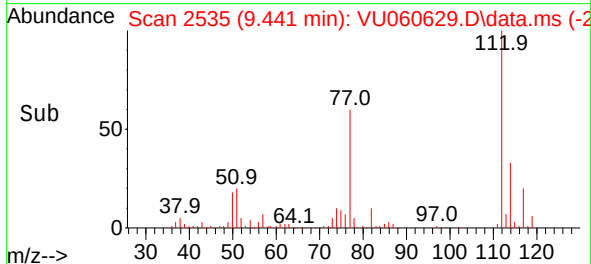
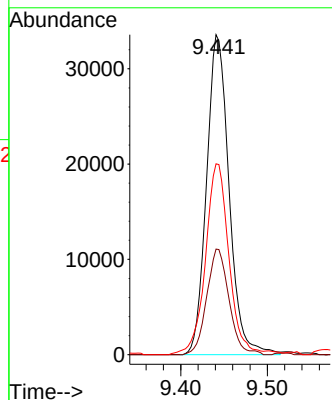
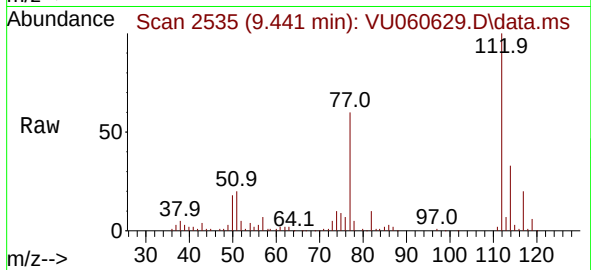




#51
Chlorobenzene
Concen: 2.121 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU060629.D
Acq: 05 Sep 2024 16:45

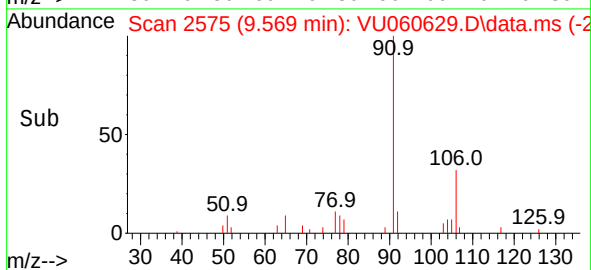
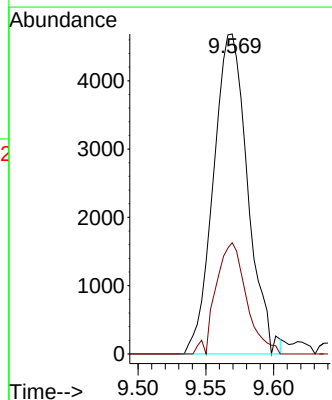
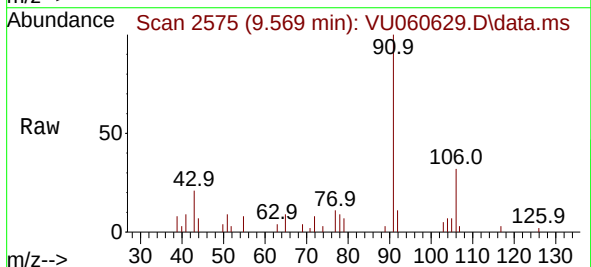
Instrument :
MSVOA_U
ClientSampleId :

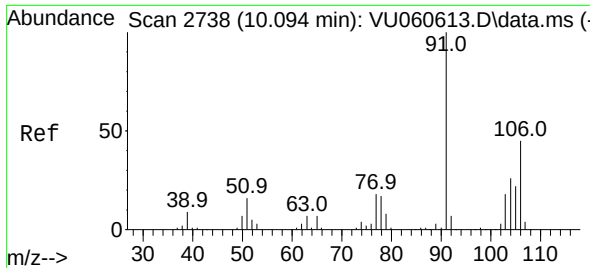
Tgt Ion:112 Resp: 60748
Ion Ratio Lower Upper
112 100
114 33.0 21.9 40.7
77 59.6 47.4 71.2



#52
Ethylbenzene
Concen: 0.176 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.006 min
Lab File: VU060629.D
Acq: 05 Sep 2024 16:45

Tgt Ion: 91 Resp: 8234
Ion Ratio Lower Upper
91 100
106 34.7 21.9 40.7

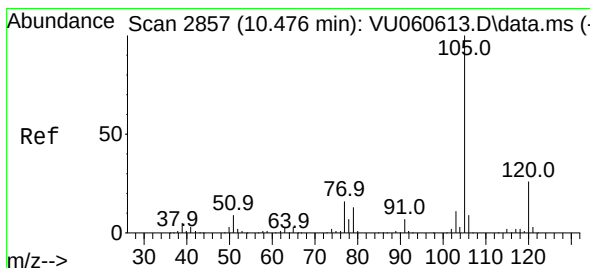
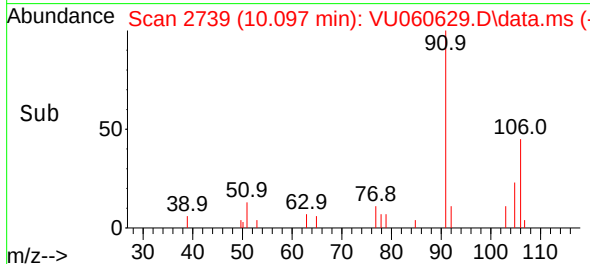
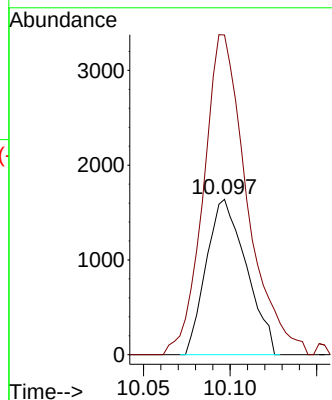
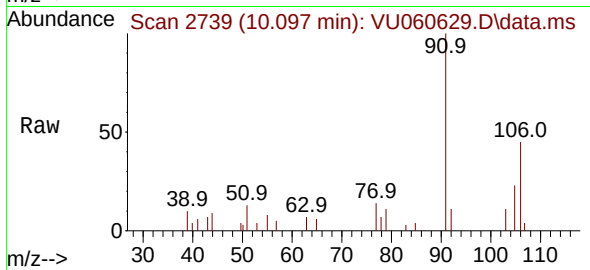




#54
o-Xylene
Concen: 0.148 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060629.D
Acq: 05 Sep 2024 16:45

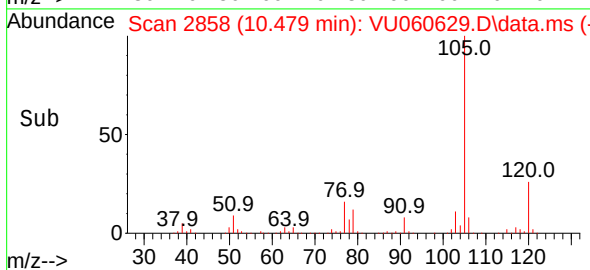
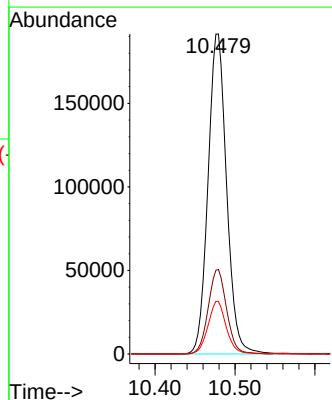
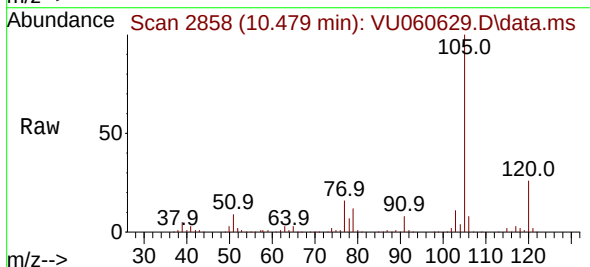
Instrument :
MSVOA_U
ClientSampleId :

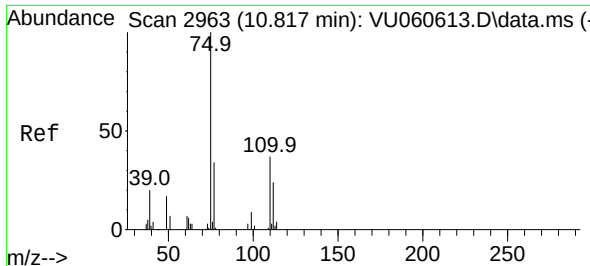
Tgt Ion:106 Resp: 2639
Ion Ratio Lower Upper
106 100
91 205.7 151.1 280.7



#60
Isopropylbenzene
Concen: 6.274 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU060629.D
Acq: 05 Sep 2024 16:45

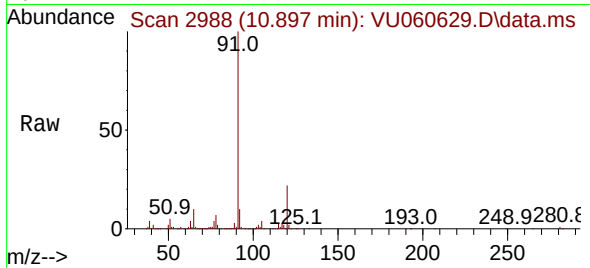
Tgt Ion:105 Resp: 309605
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.4
77 16.2 13.0 19.4



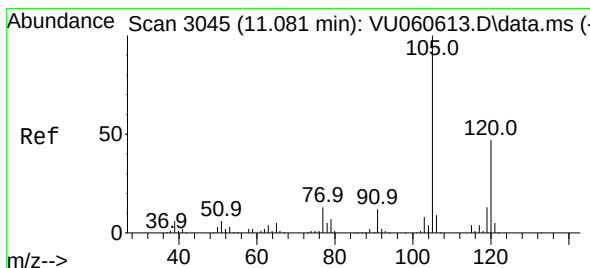
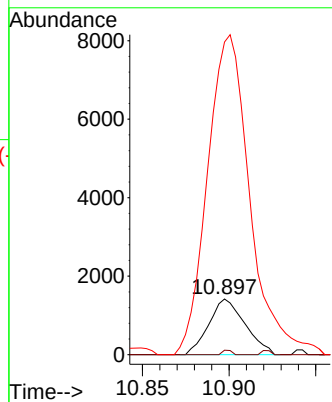
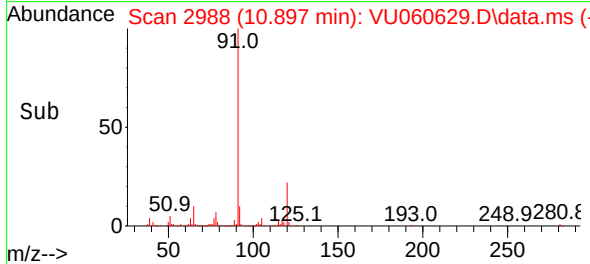


#61
 1,2,3-Trichloropropane
 Concen: 0.290 ug/L
 RT: 10.897 min Scan# 2064
 Delta R.T. 0.080 min
 Lab File: VU060629.D
 Acq: 05 Sep 2024 16:45

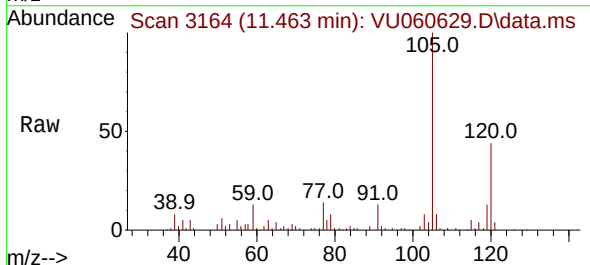
Instrument :
 MSVOA_U
 ClientSampleId :



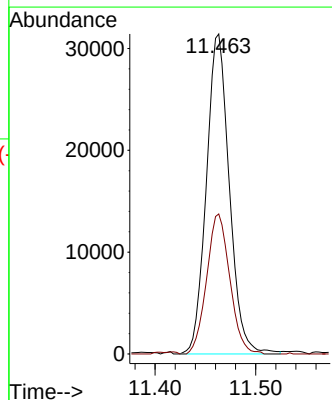
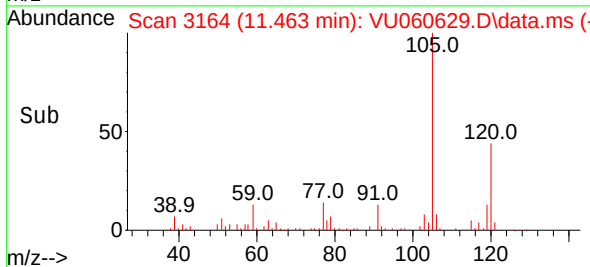
Tgt Ion: 75 Resp: 2064
 Ion Ratio Lower Upper
 75 100
 110 2.0 30.2 45.4#
 77 673.2 25.4 38.2#

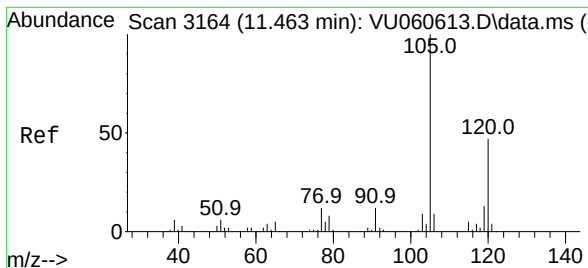


#62
 1,3,5-Trimethylbenzene
 Concen: 1.355 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.383 min
 Lab File: VU060629.D
 Acq: 05 Sep 2024 16:45



Tgt Ion: 105 Resp: 49857
 Ion Ratio Lower Upper
 105 100
 120 44.1 37.4 56.0

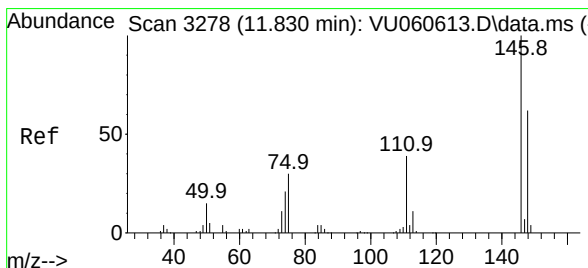
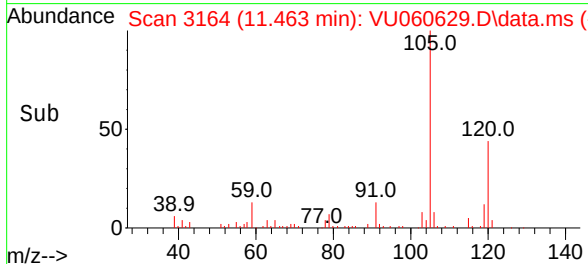
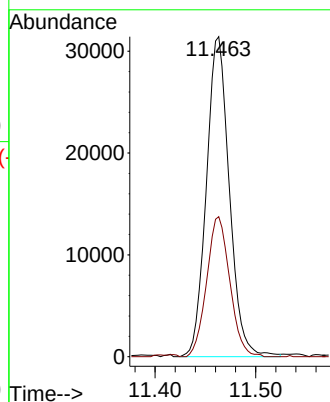
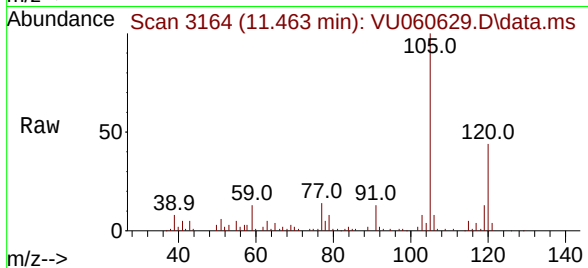




#63
1,2,4-Trimethylbenzene
Concen: 1.329 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU060629.D
Acq: 05 Sep 2024 16:45

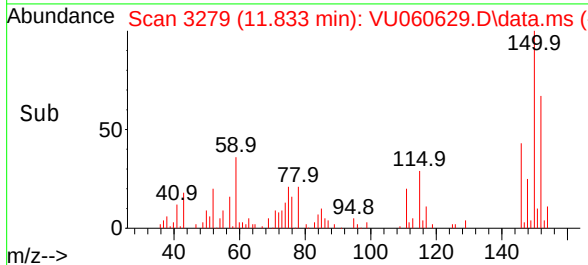
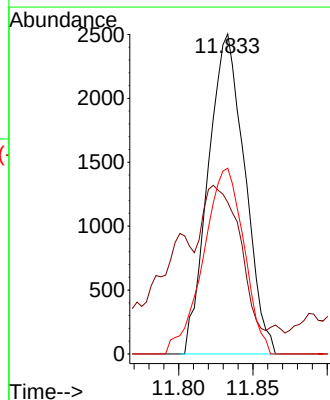
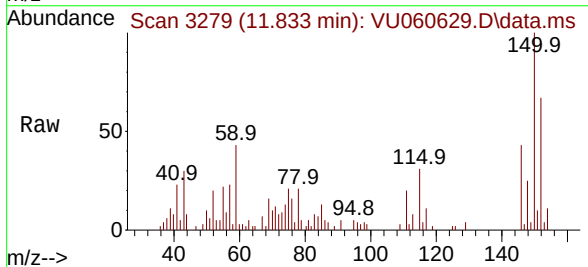
Instrument :
MSVOA_U
ClientSampleId :

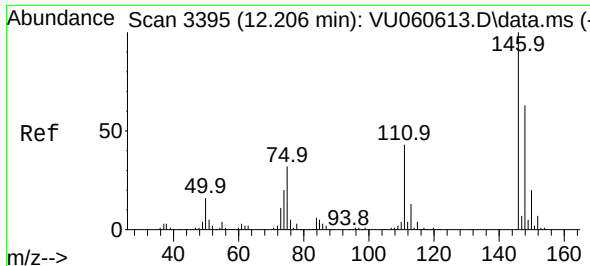
Tgt Ion:105 Resp: 49857
Ion Ratio Lower Upper
105 100
120 44.1 35.7 53.5



#65
1,4-Dichlorobenzene
Concen: 0.174 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU060629.D
Acq: 05 Sep 2024 16:45

Tgt Ion:146 Resp: 4275
Ion Ratio Lower Upper
146 100
111 54.1 27.2 50.4#
148 58.1 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 0.276 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU060629.D

Acq: 05 Sep 2024 16:45

Instrument :

MSVOA_U

ClientSampleId :

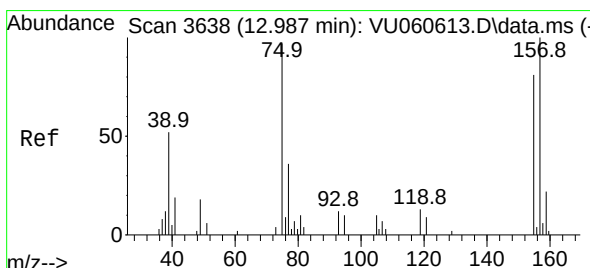
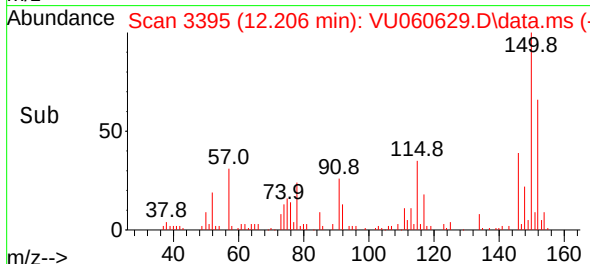
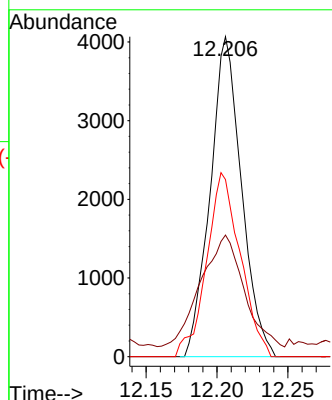
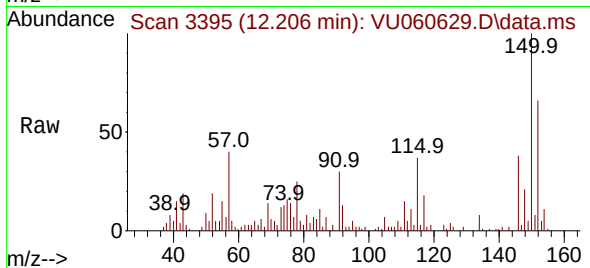
Tgt Ion:146 Resp: 6244

Ion Ratio Lower Upper

146 100

111 38.0 34.6 52.0

148 55.3 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 0.150 ug/L

RT: 13.013 min Scan# 3646

Delta R.T. 0.026 min

Lab File: VU060629.D

Acq: 05 Sep 2024 16:45

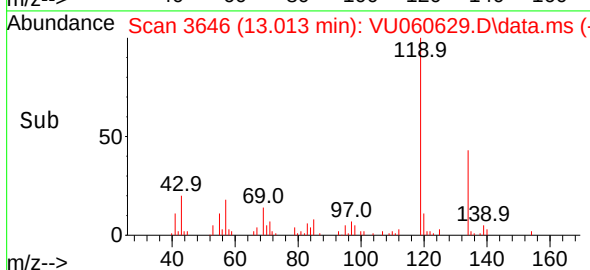
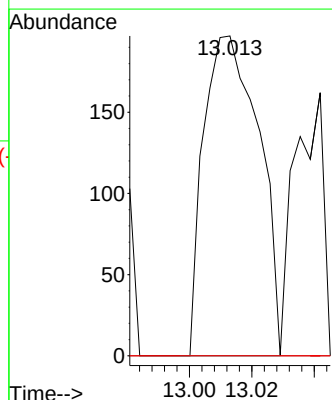
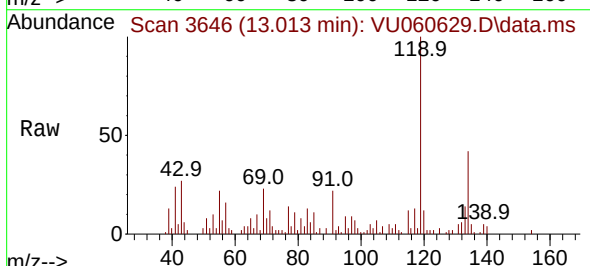
Tgt Ion: 75 Resp: 242

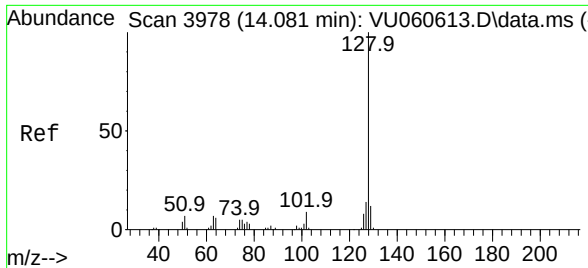
Ion Ratio Lower Upper

75 100

155 0.0 62.7 94.1#

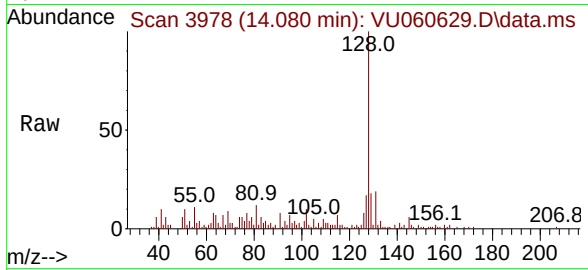
157 0.0 70.4 105.6#





#71
 Naphthalene
 Concen: 2.736 ug/L
 RT: 14.080 min Scan# 3978
 Delta R.T. -0.000 min
 Lab File: VU060629.D
 Acq: 05 Sep 2024 16:45

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	52518
Ion	Ratio	Lower	Upper
128	100		
129	13.4	8.5	12.7#
127	12.9	10.2	15.2

