

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060028.D
 Acq On : 18 Jul 2024 19:35
 Operator : MD/SY
 Sample : P3217-04DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 19 01:37:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 01:30:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	155368	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	157563	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	79070	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.596	65	48001	4.440	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.800%
7) Chloroethane-d5	1.911	69	45133	4.494	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.560	65	18490	4.381	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	4.628	46	140840	55.727	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.460%
24) Chloroform-d	5.055	84	99640	4.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.695	65	51777	4.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.721	84	205425	4.866	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.685	67	64977	4.830	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.891	98	172016	4.510	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	8.177	79	23069	5.038	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.627	63	113635	55.924	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.840%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	58293	4.869	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	73859	5.175	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%

Target Compounds

						Qvalue
5) Vinyl chloride	1.599	62	132414	8.324	ug/L	99
13) Acetone	2.647	43	9877	5.908	ug/L	78
16) Methylene chloride	3.039	84	5084	0.350	ug/L	92
22) cis-1,2-Dichloroethene	4.657	96	261038	18.893	ug/L	99
33) Benzene	5.772	78	7936	0.152	ug/L	100
35) Methylcyclohexane	6.685	83	15136	0.836	ug/L #	21
37) 1,2-Dichloropropane	6.682	63	6734	0.479	ug/L #	88
42) Toluene	7.965	91	360698	6.512	ug/L	99
49) Dibromochloromethane	8.547	129	3014	0.254	ug/L #	10
51) Chlorobenzene	9.444	112	36593	1.011	ug/L	97
52) Ethylbenzene	9.566	91	30721	0.556	ug/L	100
53) m,p-Xylene	9.688	106	45932	2.152	ug/L	97
54) o-Xylene	10.097	106	25725	1.260	ug/L	94
60) Isopropylbenzene	10.479	105	3591	0.069	ug/L #	83
61) 1,2,3-Trichloropropane	11.807	75	9662	1.159	ug/L #	63
62) 1,3,5-Trimethylbenzene	11.084	105	16068	0.407	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	52029	1.363	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	37597	1.411	ug/L	98
71) Naphthalene	14.084	128	50116	2.213	ug/L	98

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Response via : Initial Calibration

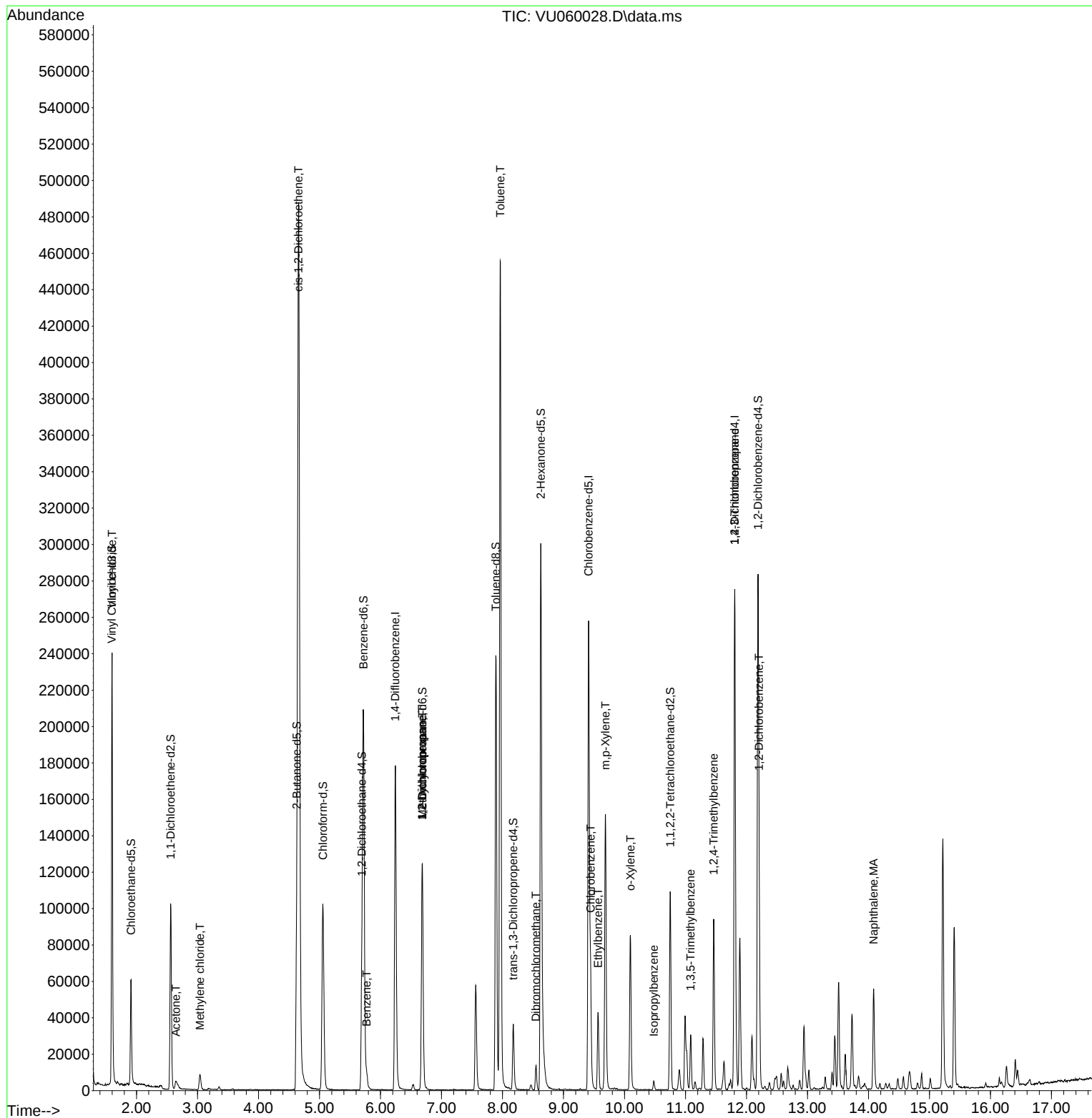
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

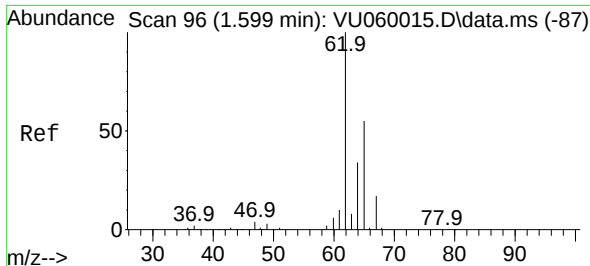
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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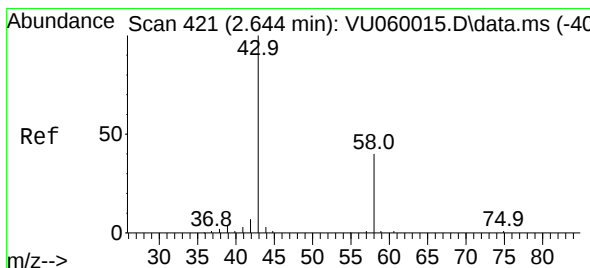
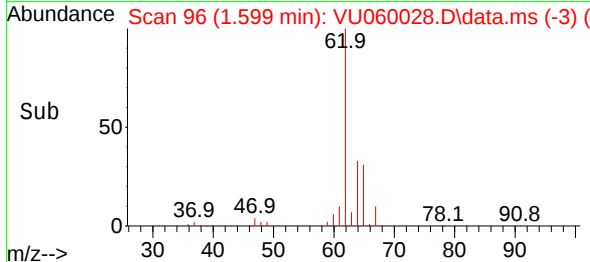
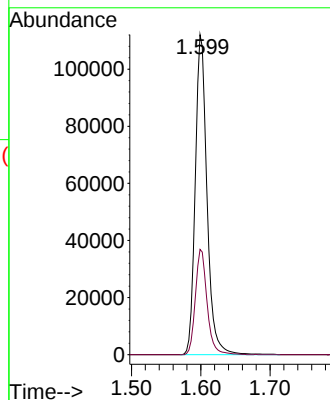
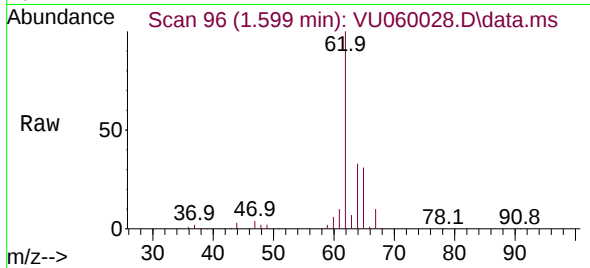




#5
 Vinyl chloride
 Concen: 8.324 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU060028.D
 Acq: 18 Jul 2024 19:35

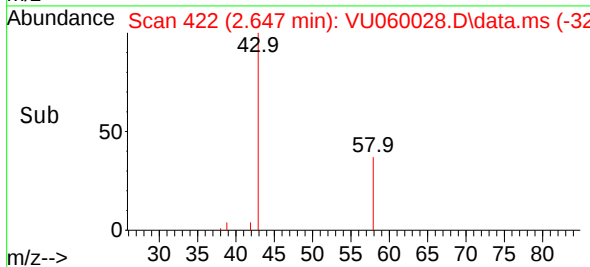
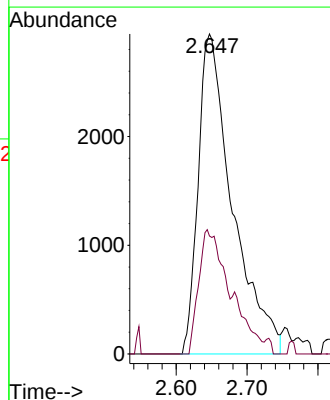
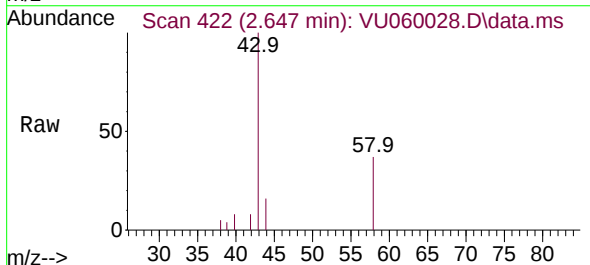
Instrument :
 MSVOA_U
 ClientSampleId :

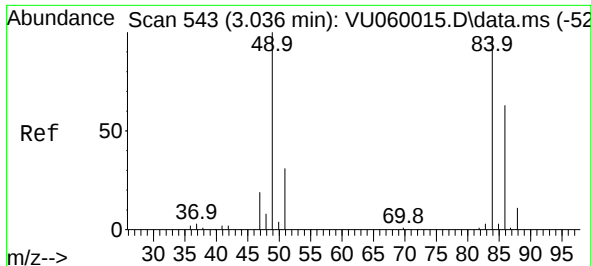
Tgt Ion: 62 Resp: 132414
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.8 42.4



#13
 Acetone
 Concen: 5.908 ug/L
 RT: 2.647 min Scan# 422
 Delta R.T. 0.003 min
 Lab File: VU060028.D
 Acq: 18 Jul 2024 19:35

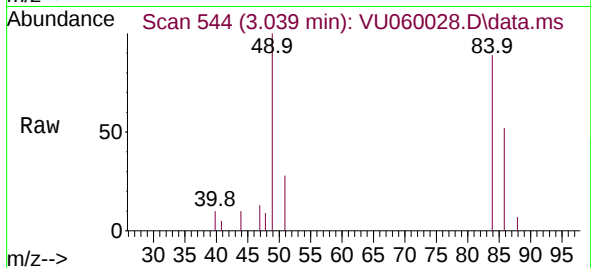
Tgt Ion: 43 Resp: 9877
 Ion Ratio Lower Upper
 43 100
 58 27.6 0.0 82.2



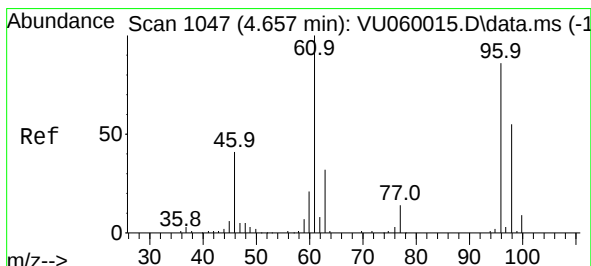
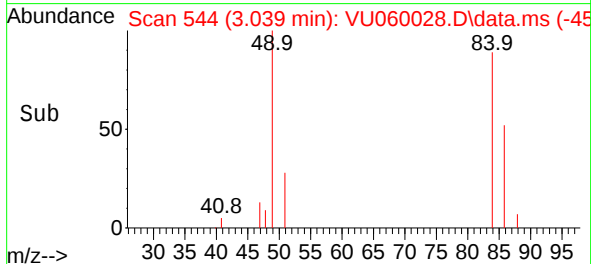
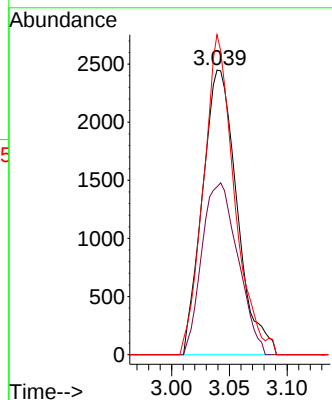


#16
Methylene chloride
Concen: 0.350 ug/L
RT: 3.039 min Scan# 543
Delta R.T. 0.003 min
Lab File: VU060028.D
Acq: 18 Jul 2024 19:35

Instrument :
MSVOA_U
ClientSampleId :

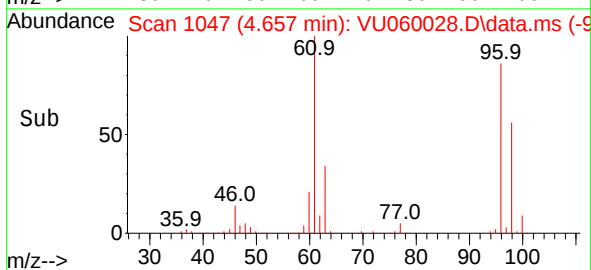
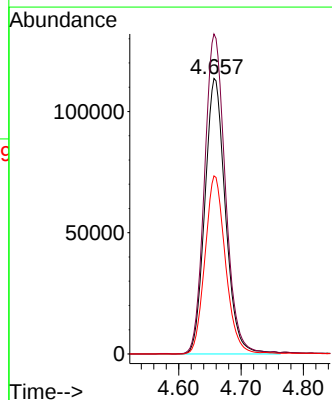
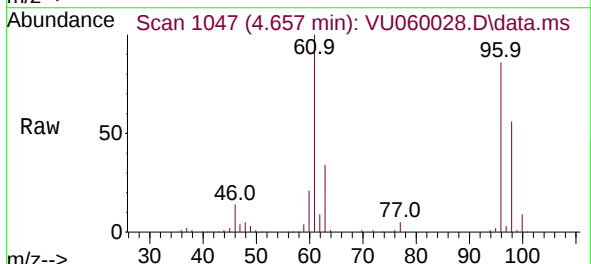


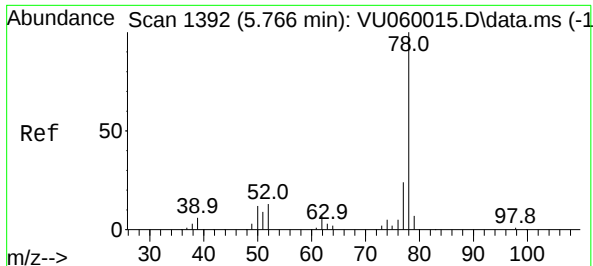
Tgt Ion: 84 Resp: 5084
Ion Ratio Lower Upper
84 100
86 59.0 44.4 82.5
49 112.4 72.0 133.6



#22
cis-1,2-Dichloroethene
Concen: 18.893 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU060028.D
Acq: 18 Jul 2024 19:35

Tgt Ion: 96 Resp: 261038
Ion Ratio Lower Upper
96 100
61 116.2 80.2 148.9
98 64.7 44.7 83.1





#33

Benzene

Concen: 0.152 ug/L

RT: 5.772 min Scan# 14

Delta R.T. 0.006 min

Lab File: VU060028.D

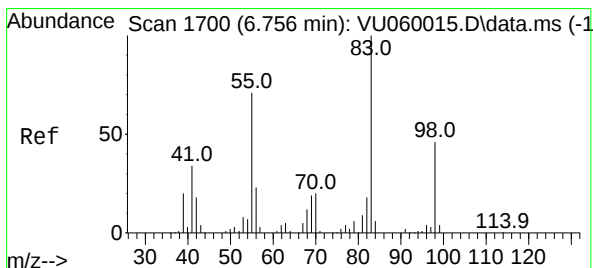
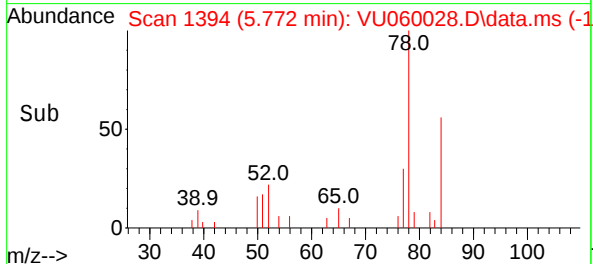
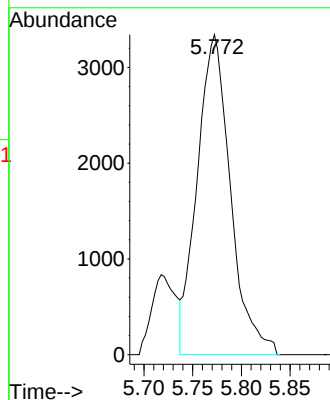
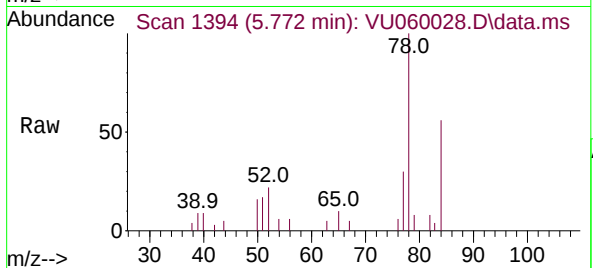
Acq: 18 Jul 2024 19:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 7936



#35

Methylcyclohexane

Concen: 0.836 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU060028.D

Acq: 18 Jul 2024 19:35

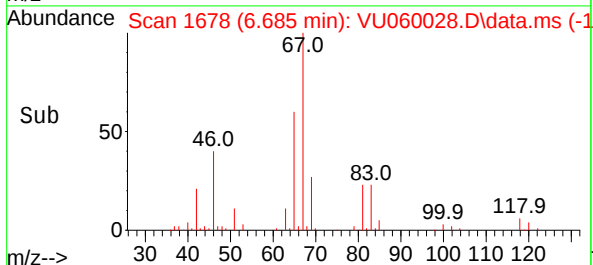
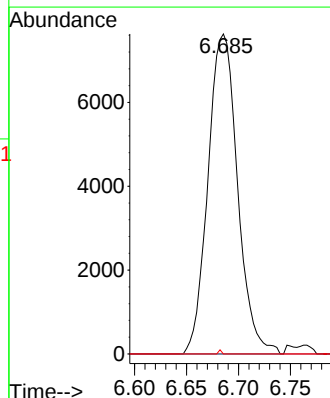
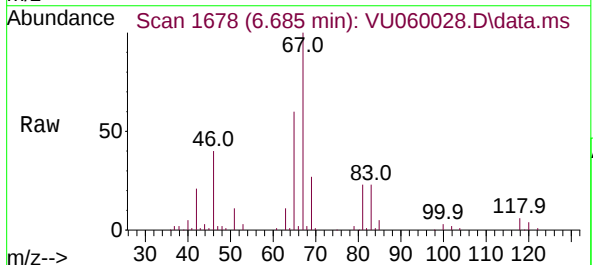
Tgt Ion: 83 Resp: 15136

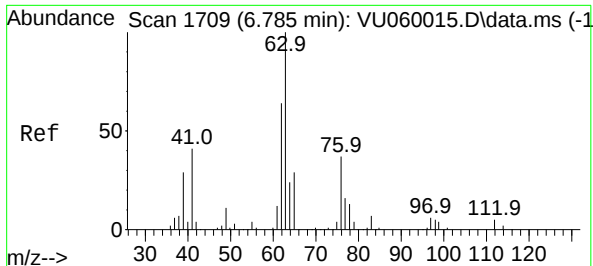
Ion Ratio Lower Upper

83 100

55 0.0 56.7 85.1#

98 0.1 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.479 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU060028.D

Acq: 18 Jul 2024 19:35

Instrument :

MSVOA_U

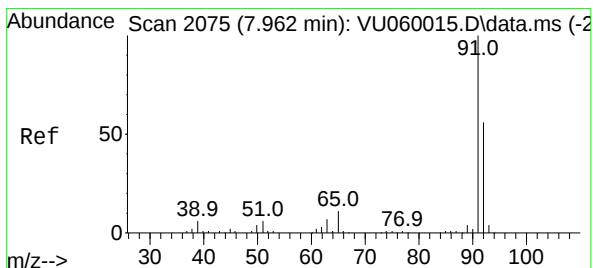
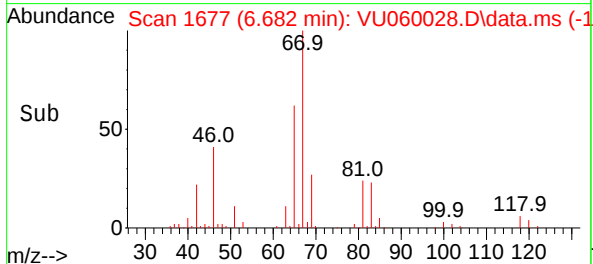
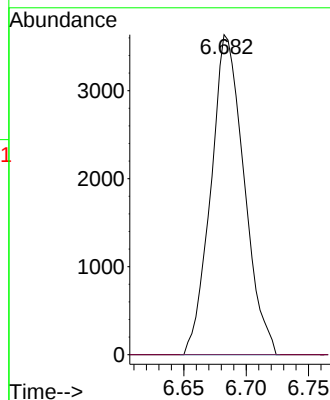
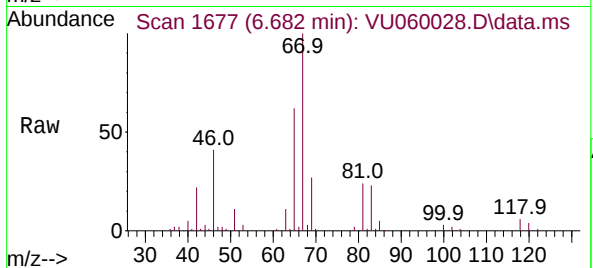
ClientSampleId :

Tgt Ion: 63 Resp: 6734

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#42

Toluene

Concen: 6.512 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU060028.D

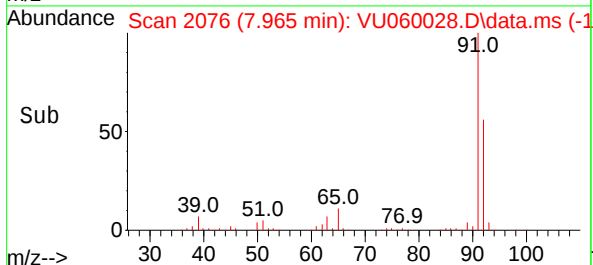
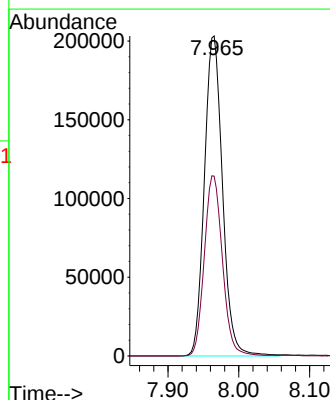
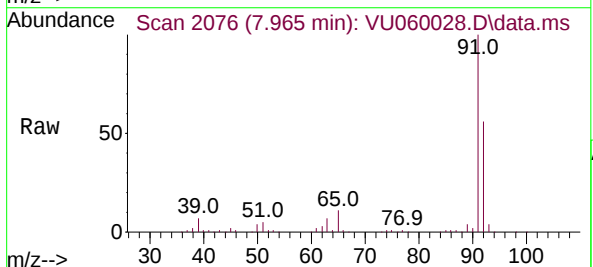
Acq: 18 Jul 2024 19:35

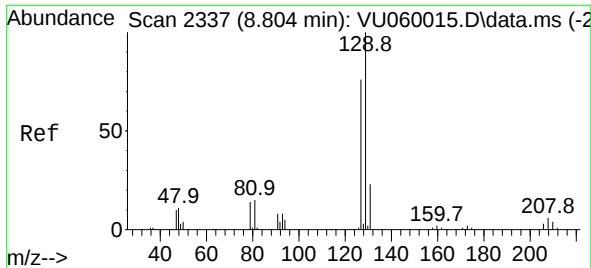
Tgt Ion: 91 Resp: 360698

Ion Ratio Lower Upper

91 100

92 56.2 39.8 73.8





#49

Dibromochloromethane

Concen: 0.254 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min MSVOA_U

Lab File: VU060028.D

Acq: 18 Jul 2024 19:35

Instrument :

MSVOA_U

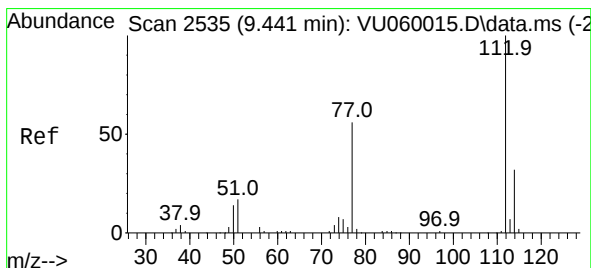
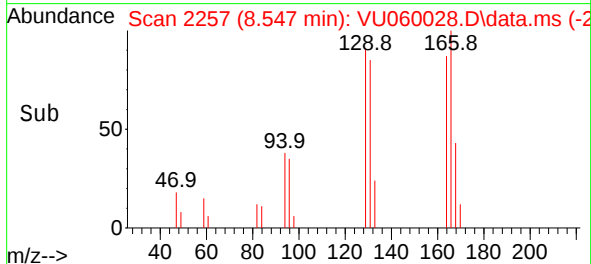
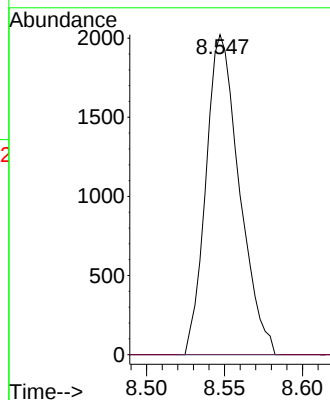
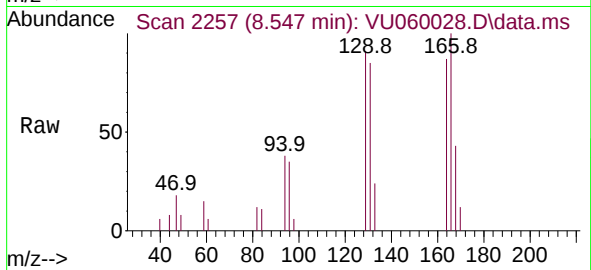
ClientSampleId :

Tgt Ion:129 Resp: 3014

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#



#51

Chlorobenzene

Concen: 1.011 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU060028.D

Acq: 18 Jul 2024 19:35

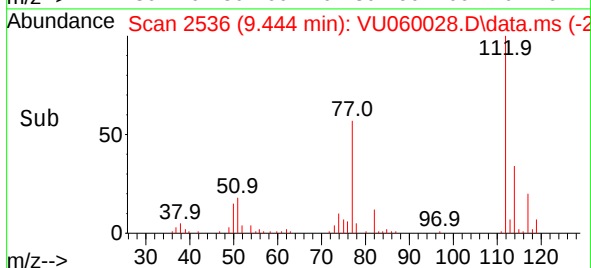
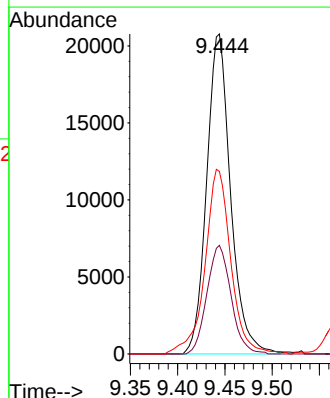
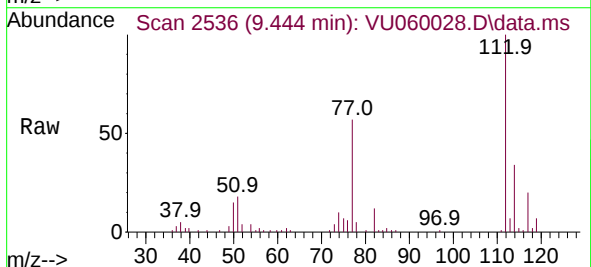
Tgt Ion:112 Resp: 36593

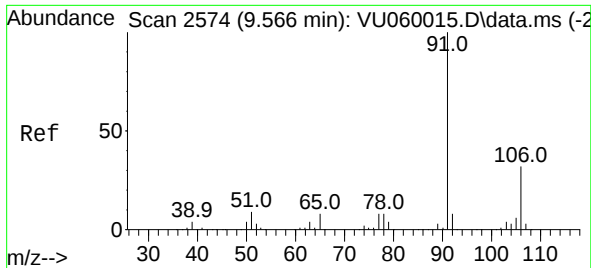
Ion Ratio Lower Upper

112 100

114 34.0 22.1 41.1

77 57.0 44.7 67.1

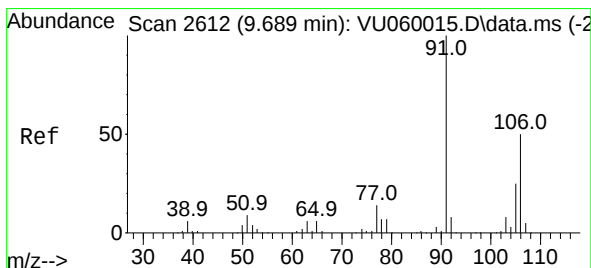
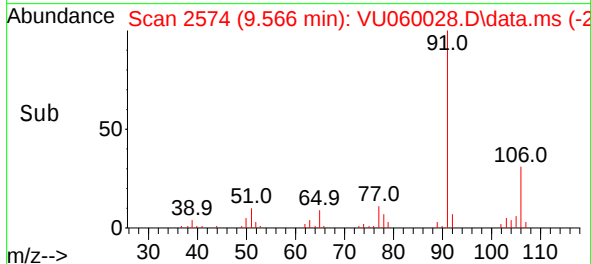
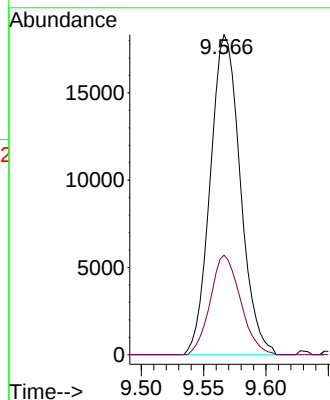
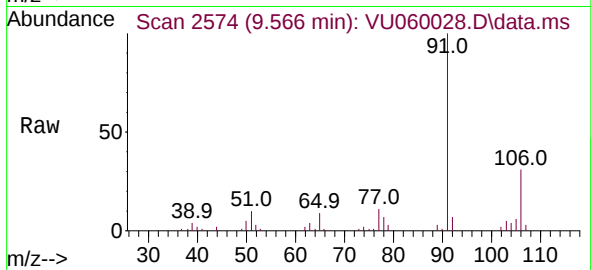




#52
Ethylbenzene
Concen: 0.556 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU060028.D
Acq: 18 Jul 2024 19:35

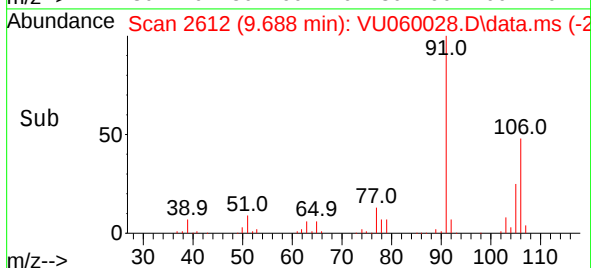
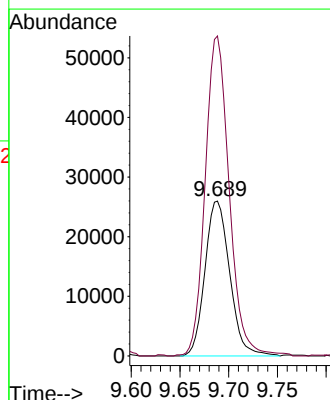
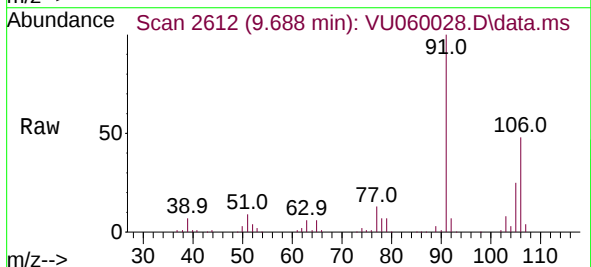
Instrument :
MSVOA_U
ClientSampleId :

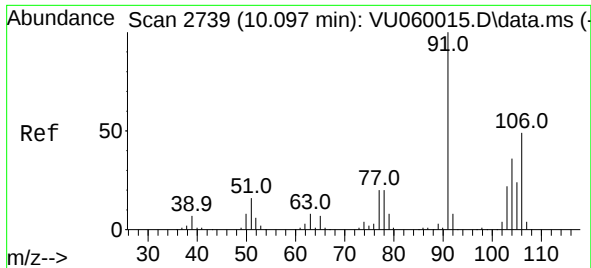
Tgt Ion: 91 Resp: 30721
Ion Ratio Lower Upper
91 100
106 31.1 21.9 40.7



#53
m,p-Xylene
Concen: 2.152 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU060028.D
Acq: 18 Jul 2024 19:35

Tgt Ion:106 Resp: 45932
Ion Ratio Lower Upper
106 100
91 206.6 141.3 262.5

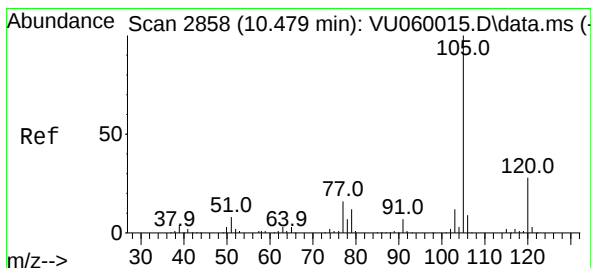
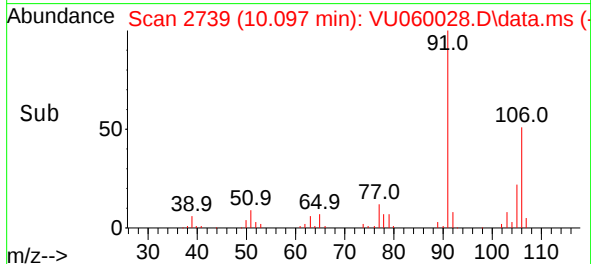
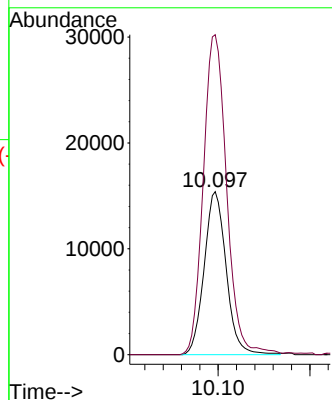
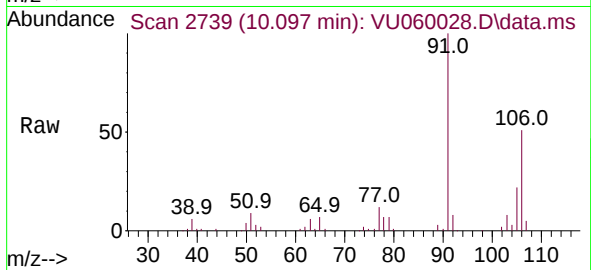




#54
o-Xylene
Concen: 1.260 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060028.D
Acq: 18 Jul 2024 19:35

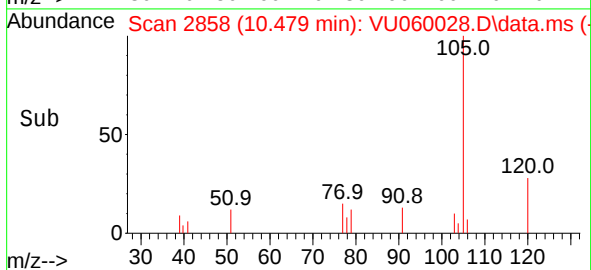
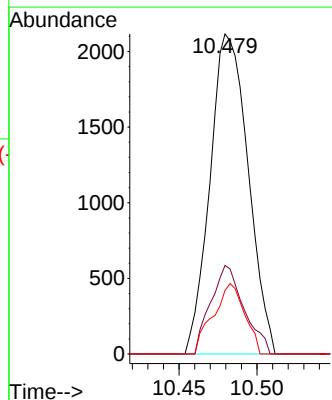
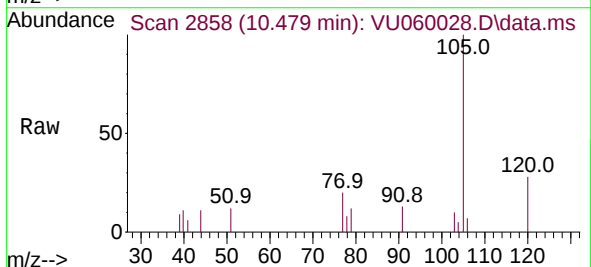
Instrument :
MSVOA_U
ClientSampleId :

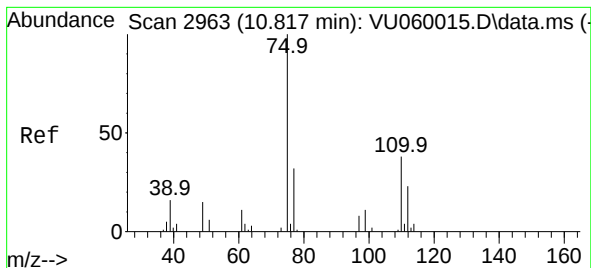
Tgt Ion:106 Resp: 25725
Ion Ratio Lower Upper
106 100
91 196.2 143.6 266.6



#60
Isopropylbenzene
Concen: 0.069 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU060028.D
Acq: 18 Jul 2024 19:35

Tgt Ion:105 Resp: 3591
Ion Ratio Lower Upper
105 100
120 24.3 21.9 32.9
77 0.0 12.1 18.1#





#61

1,2,3-Trichloropropane

Concen: 1.159 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU060028.D

Acq: 18 Jul 2024 19:35

Instrument :

MSVOA_U

ClientSampleId :

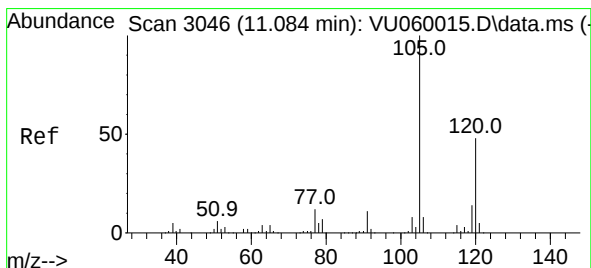
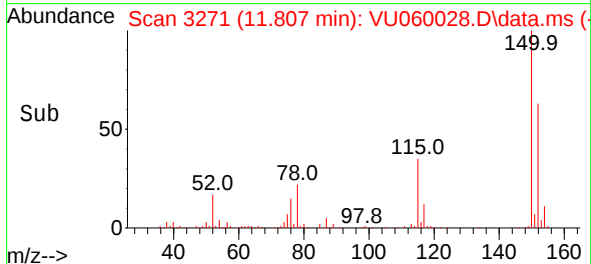
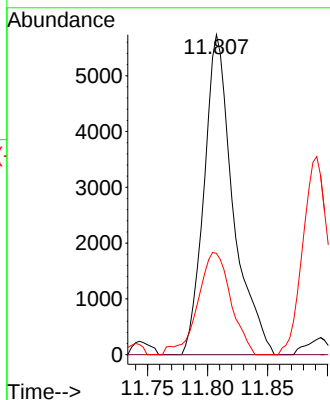
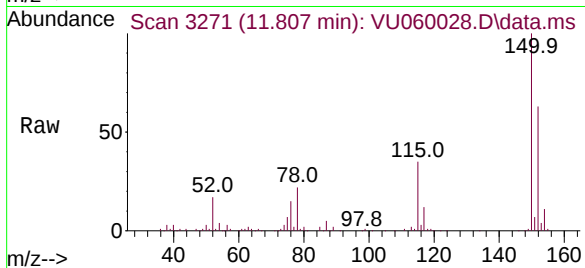
Tgt Ion: 75 Resp: 9662

Ion Ratio Lower Upper

75 100

110 0.0 30.8 46.2#

77 36.3 26.2 39.2



#62

1,3,5-Trimethylbenzene

Concen: 0.407 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU060028.D

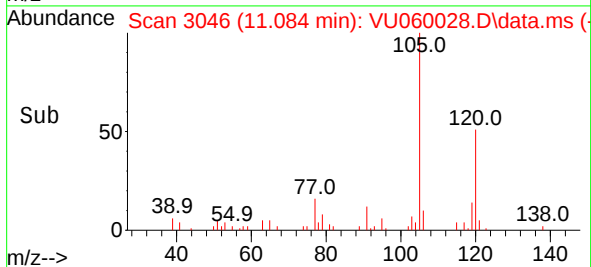
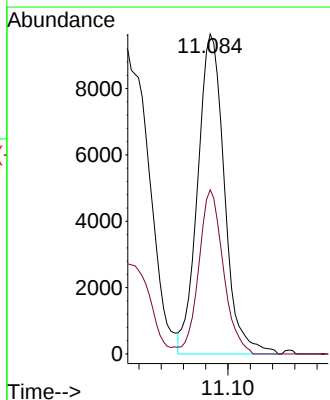
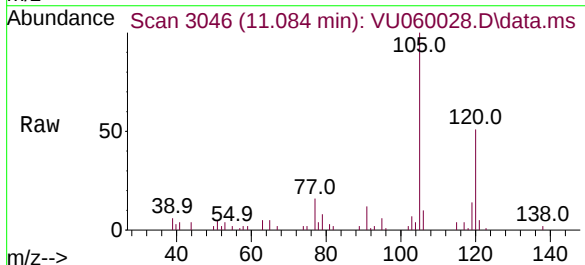
Acq: 18 Jul 2024 19:35

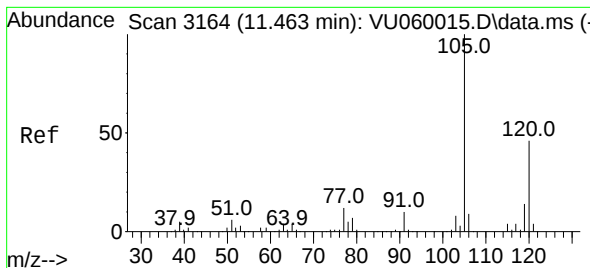
Tgt Ion:105 Resp: 16068

Ion Ratio Lower Upper

105 100

120 47.1 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 1.363 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU060028.D

Acq: 18 Jul 2024 19:35

Instrument :

MSVOA_U

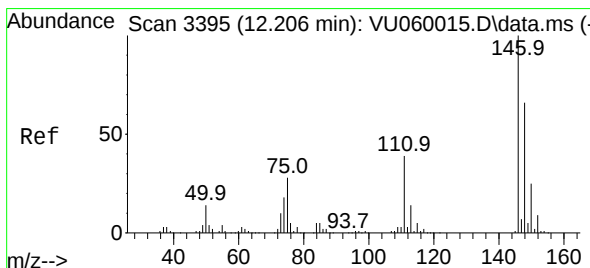
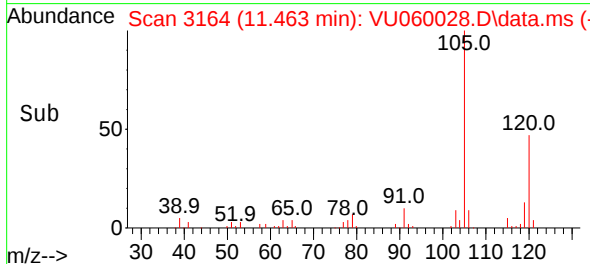
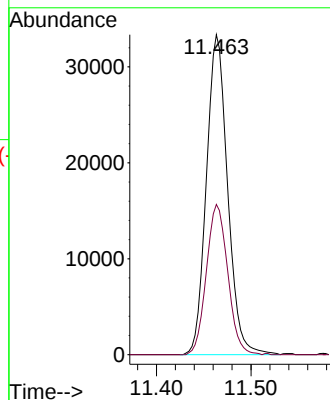
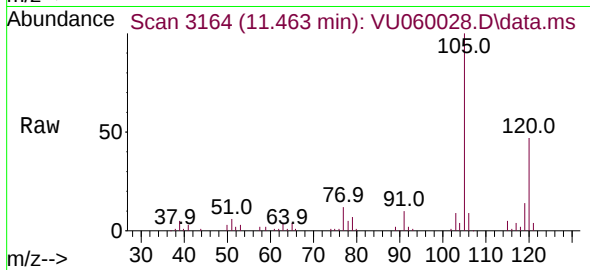
ClientSampleId :

Tgt Ion:105 Resp: 52029

Ion Ratio Lower Upper

105 100

120 47.2 36.7 55.1



#67

1,2-Dichlorobenzene

Concen: 1.411 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU060028.D

Acq: 18 Jul 2024 19:35

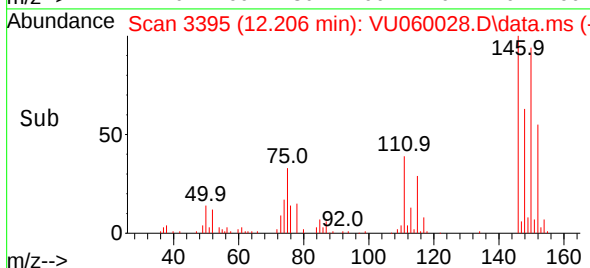
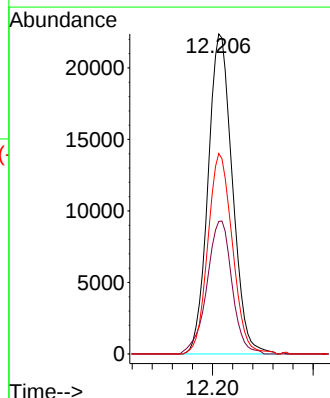
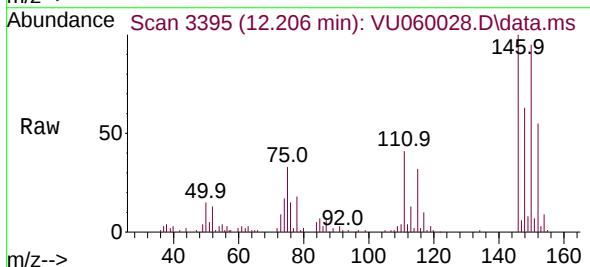
Tgt Ion:146 Resp: 37597

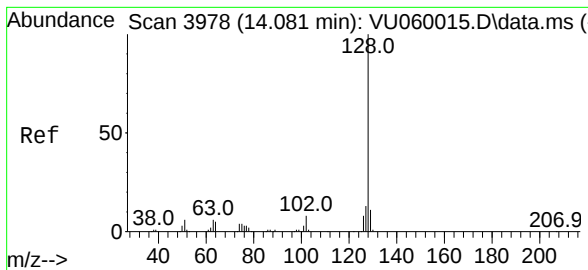
Ion Ratio Lower Upper

146 100

111 41.4 30.9 46.3

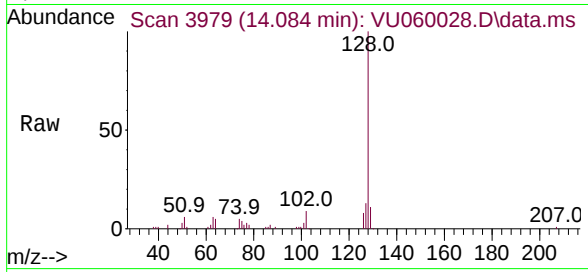
148 62.6 49.8 74.8





#71
Naphthalene
Concen: 2.213 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU060028.D
Acq: 18 Jul 2024 19:35

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	50116
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.2	12.4
127	12.4	10.6	16.0

