

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102723\
 Data File : VU055930.D
 Acq On : 27 Oct 2023 17:55
 Operator : MD/SY
 Sample : 05009-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 23:56:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 05:19:13 2023
 Response via : Initial Calibration

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

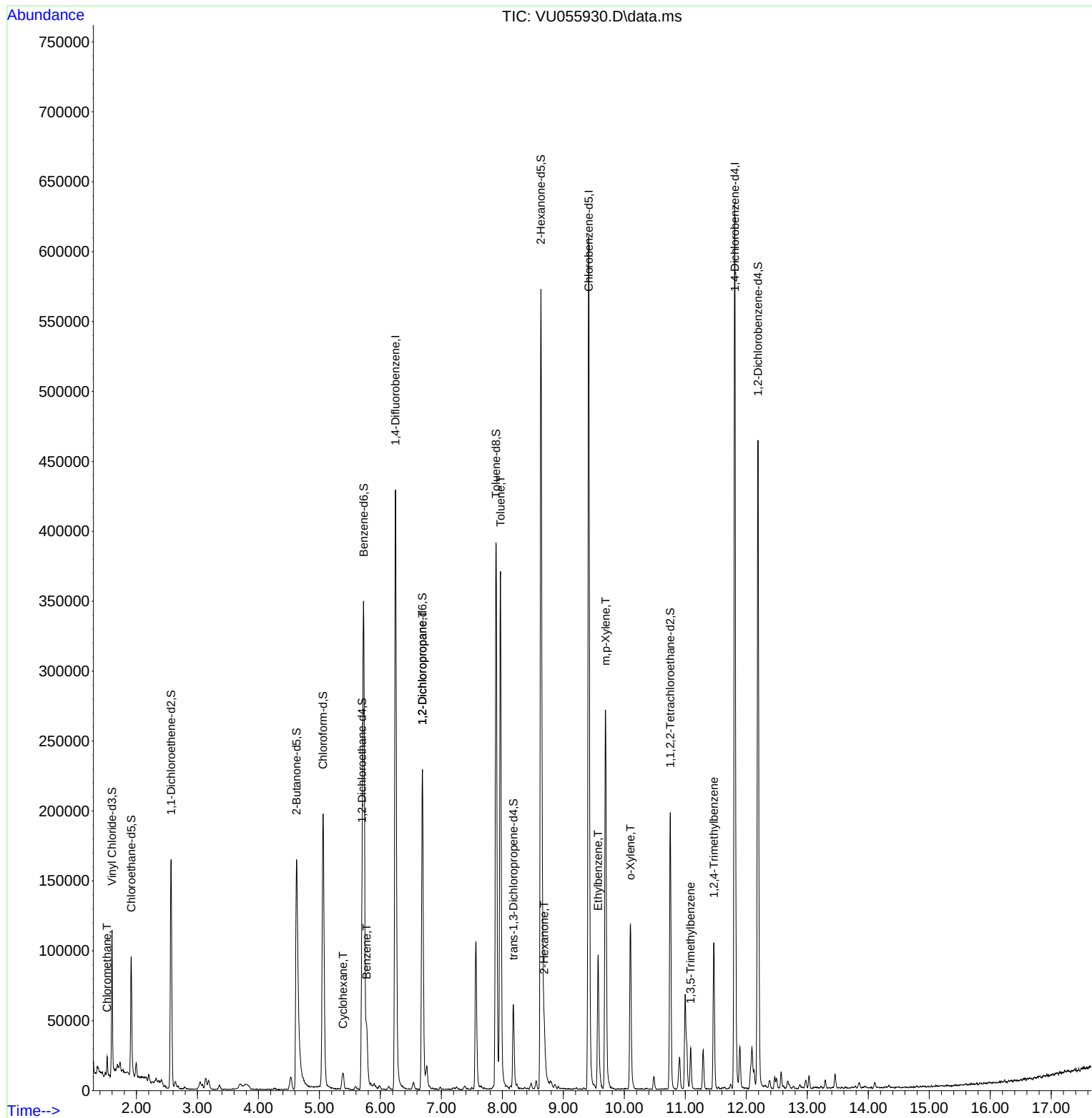
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	368878	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	359178	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	173223	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	69444	2.380	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.600%
7) Chloroethane-d5	1.914	69	66519	2.925	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	58.400%#
11) 1,1-Dichloroethene-d2	2.567	65	32142	2.595	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.800%#
20) 2-Butanone-d5	4.625	46	254719	48.931	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.860%
24) Chloroform-d	5.059	84	191791	3.547	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.000%
26) 1,2-Dichloroethane-d4	5.698	65	93431	3.547	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.000%
32) Benzene-d6	5.724	84	342041	3.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.000%#
36) 1,2-Dichloropropane-d6	6.689	67	119051	3.754	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.000%
41) Toluene-d8	7.894	98	281302	2.898	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.000%#
43) trans-1,3-Dichloroprop...	8.181	79	39277	3.166	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.400%
46) 2-Hexanone-d5	8.631	63	216317	68.695	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.400%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	102773	4.450	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	123894	3.834	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.519	50	9451	0.471	ug/L	97
30) Cyclohexane	5.387	56	5967	0.216	ug/L	97
33) Benzene	5.772	78	38056	0.480	ug/L	100
37) 1,2-Dichloropropane	6.689	63	12338	0.586	ug/L #	89
42) Toluene	7.968	91	288160	3.479	ug/L	99
48) 2-Hexanone	8.685	43	14798	1.855	ug/L #	81
52) Ethylbenzene	9.570	91	70451	0.750	ug/L	99
53) m,p-Xylene	9.692	106	85713	2.443	ug/L	95
54) o-Xylene	10.100	106	34216	0.996	ug/L	94
62) 1,3,5-Trimethylbenzene	11.087	105	16431	0.233	ug/L	92
63) 1,2,4-Trimethylbenzene	11.467	105	63751	0.973	ug/L	96

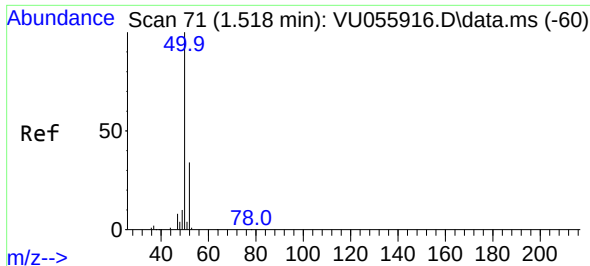
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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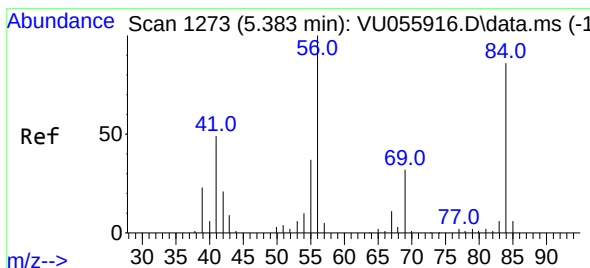
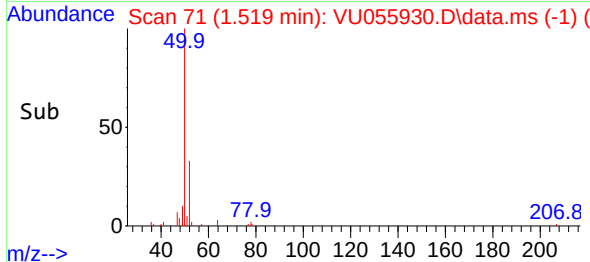
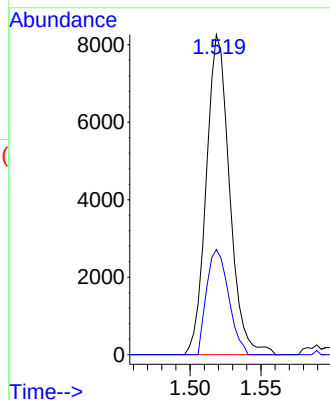
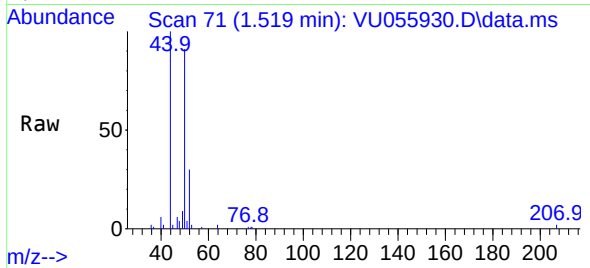




#3
Chloromethane
Concen: 0.471 ug/L
RT: 1.519 min Scan# 71
Delta R.T. 0.004 min
Lab File: VU055930.D
Acq: 27 Oct 2023 17:55

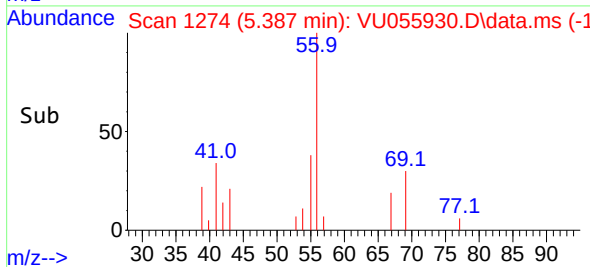
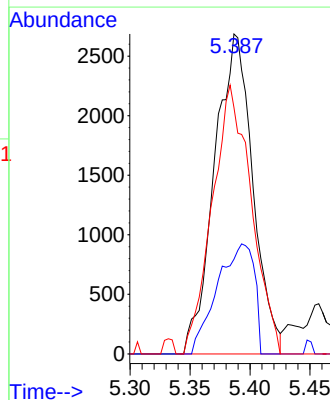
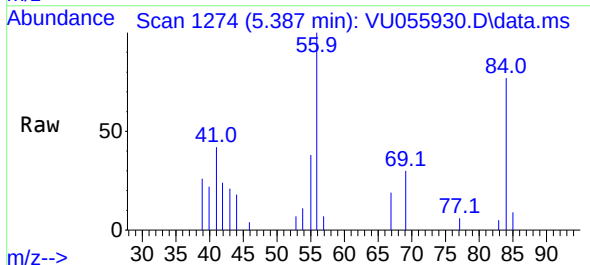
Instrument :
MSVOA_U
ClientSampleId :

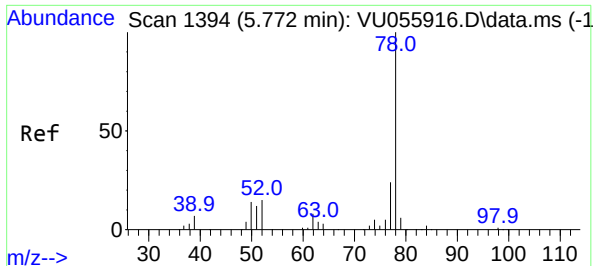
Tgt Ion: 50 Resp: 9451
Ion Ratio Lower Upper
50 100
52 32.9 22.0 40.8



#30
Cyclohexane
Concen: 0.216 ug/L
RT: 5.387 min Scan# 1274
Delta R.T. 0.003 min
Lab File: VU055930.D
Acq: 27 Oct 2023 17:55

Tgt Ion: 56 Resp: 5967
Ion Ratio Lower Upper
56 100
69 33.2 25.4 38.2
84 85.7 71.0 106.6

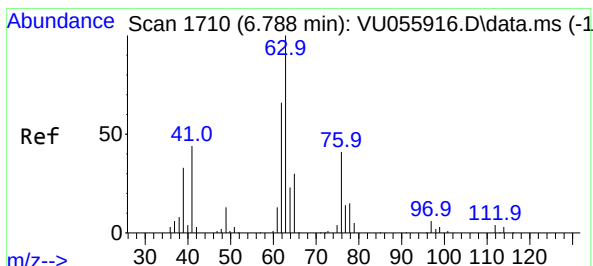
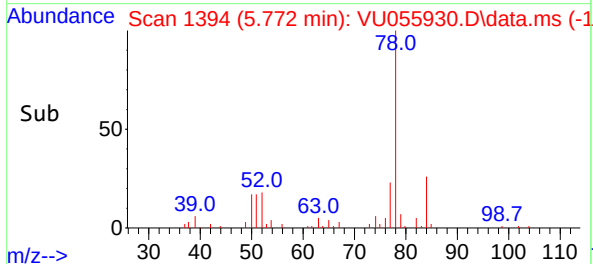
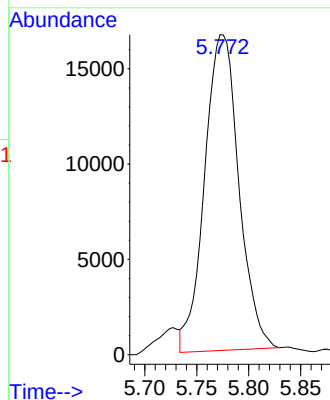
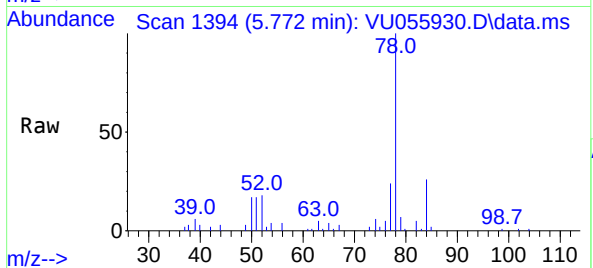




#33
Benzene
Concen: 0.480 ug/L
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055930.D
Acq: 27 Oct 2023 17:55

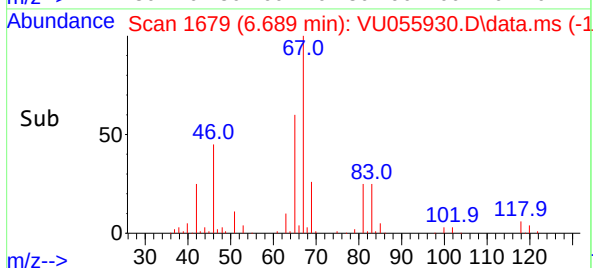
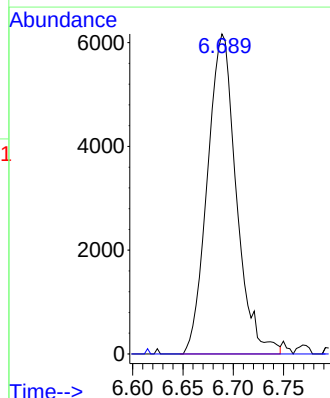
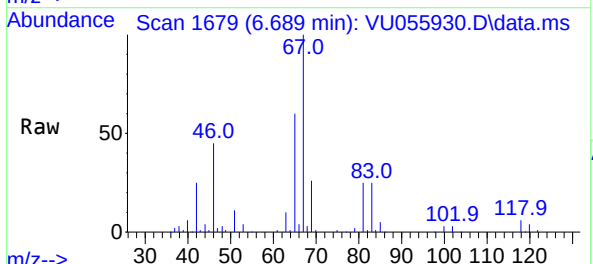
Instrument :
MSVOA_U
ClientSampleId :

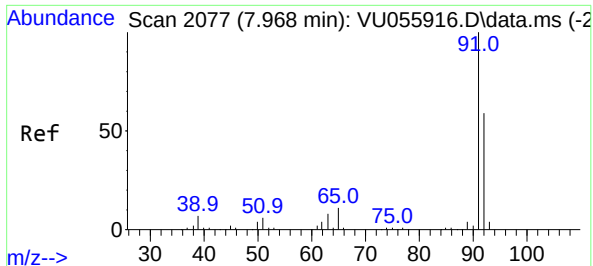
Tgt Ion: 78 Resp: 38056



#37
1,2-Dichloropropane
Concen: 0.586 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.096 min
Lab File: VU055930.D
Acq: 27 Oct 2023 17:55

Tgt Ion: 63 Resp: 12338
Ion Ratio Lower Upper
63 100
112 0.2 3.1 4.7#





#42

Toluene

Concen: 3.479 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055930.D

Acq: 27 Oct 2023 17:55

Instrument :

MSVOA_U

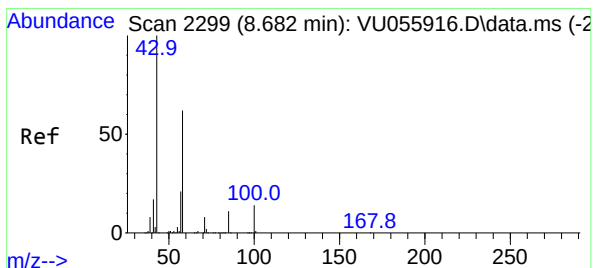
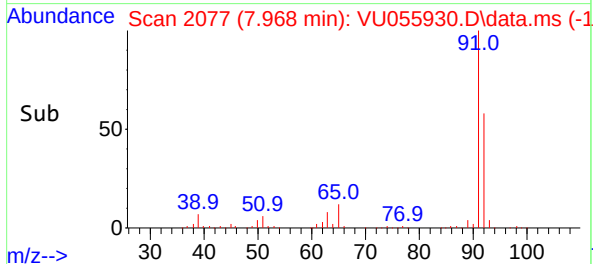
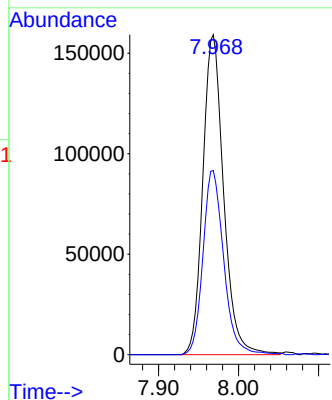
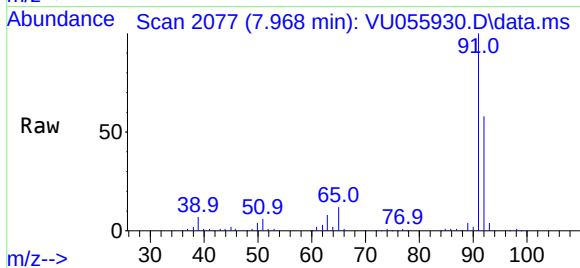
ClientSampleId :

Tgt Ion: 91 Resp: 288160

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#48

2-Hexanone

Concen: 1.855 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055930.D

Acq: 27 Oct 2023 17:55

Tgt Ion: 43 Resp: 14798

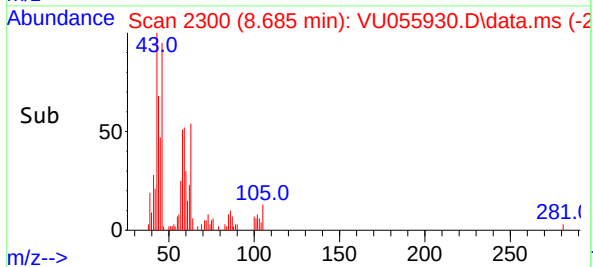
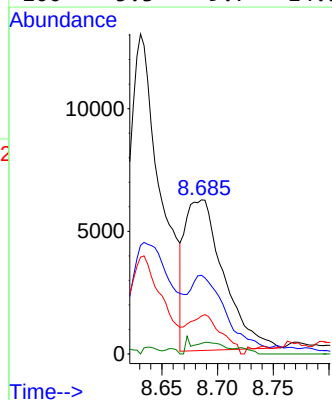
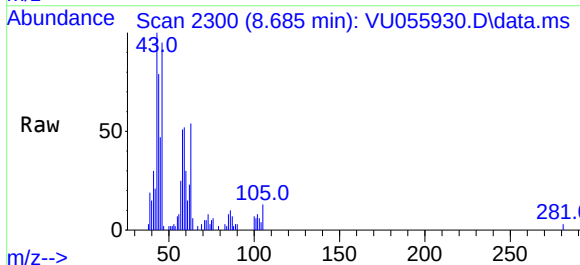
Ion Ratio Lower Upper

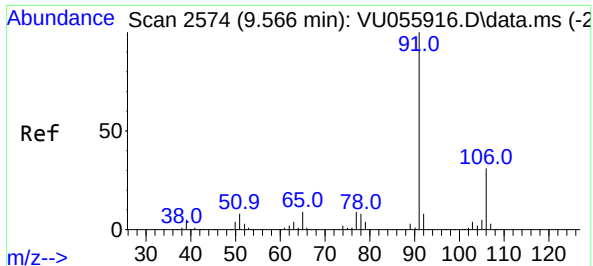
43 100

58 42.2 49.5 74.3#

57 21.1 16.9 25.3

100 5.3 9.7 14.5#

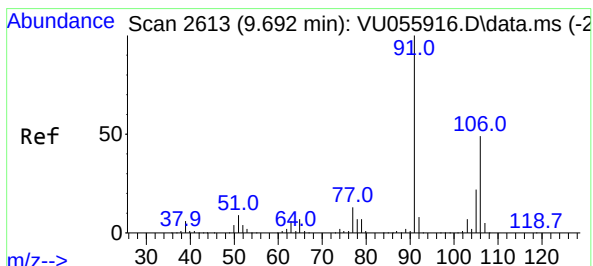
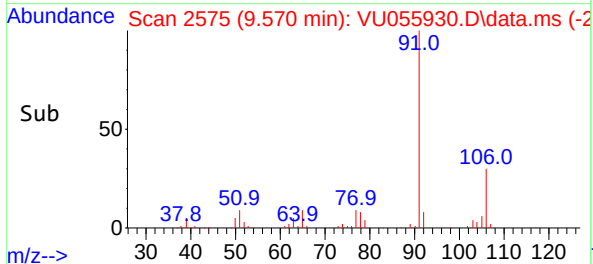
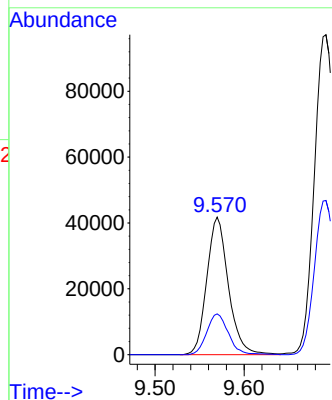
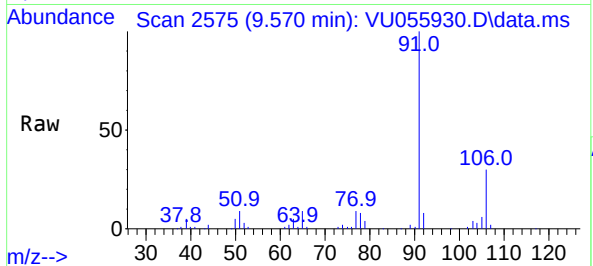




#52
Ethylbenzene
Concen: 0.750 ug/L
RT: 9.570 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055930.D
Acq: 27 Oct 2023 17:55

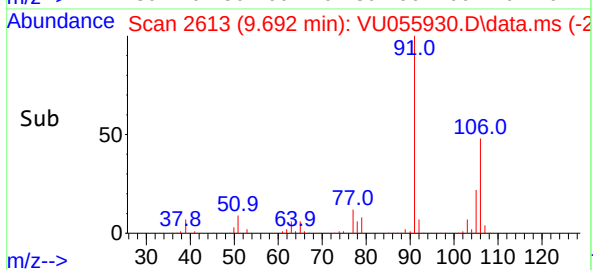
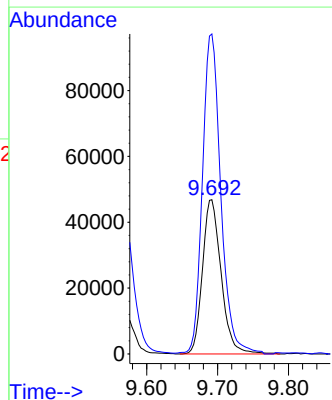
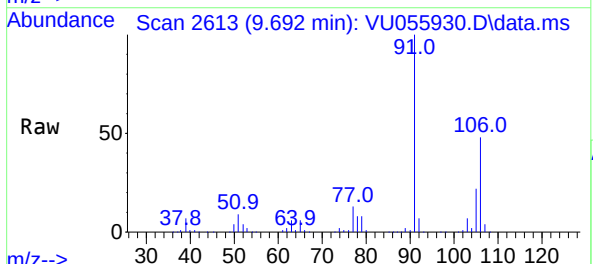
Instrument :
MSVOA_U
ClientSampleId :

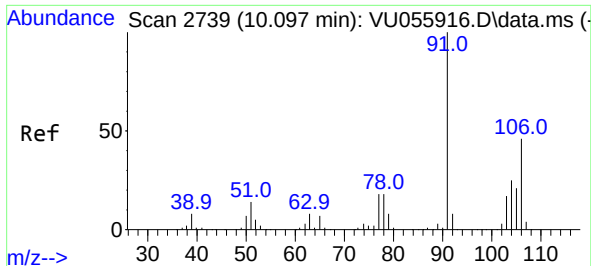
Tgt Ion: 91 Resp: 70451
Ion Ratio Lower Upper
91 100
106 29.6 21.3 39.5



#53
m,p-Xylene
Concen: 2.443 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055930.D
Acq: 27 Oct 2023 17:55

Tgt Ion: 106 Resp: 85713
Ion Ratio Lower Upper
106 100
91 207.5 150.4 279.2

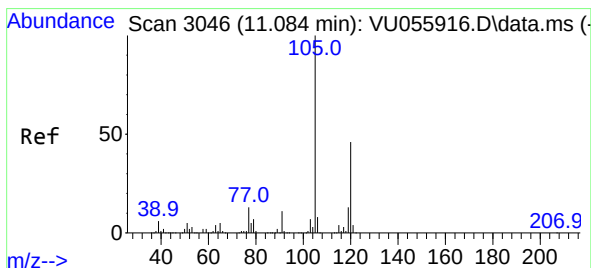
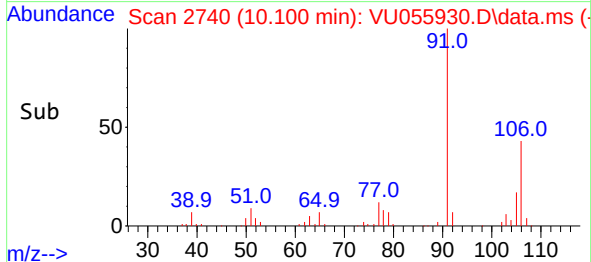
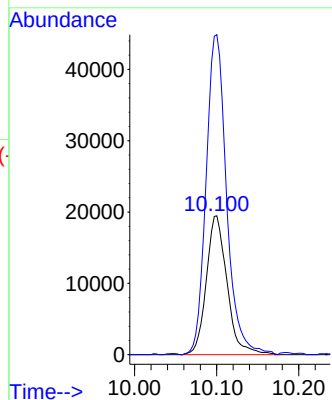
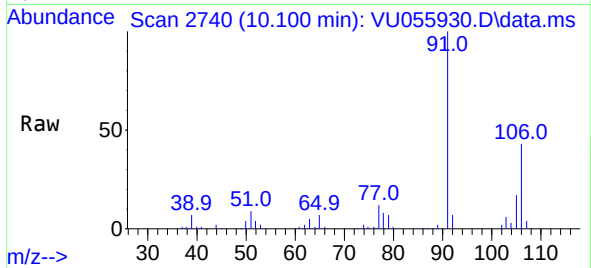




#54
o-Xylene
Concen: 0.996 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055930.D
Acq: 27 Oct 2023 17:55

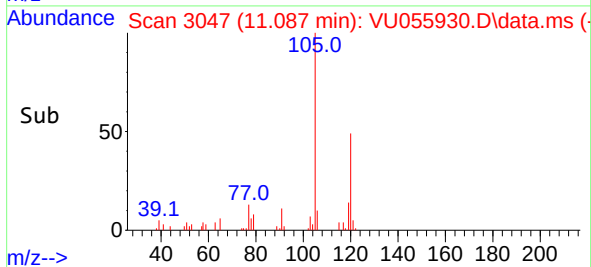
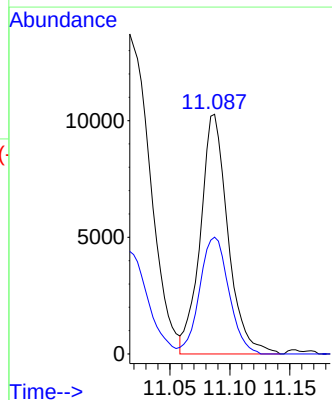
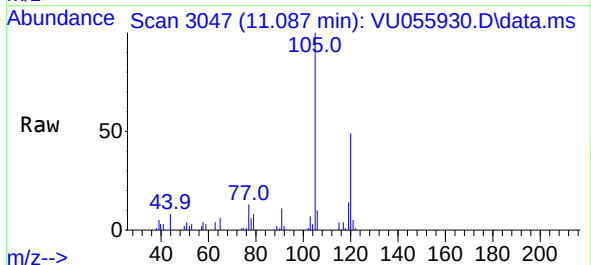
Instrument :
MSVOA_U
ClientSampleId :

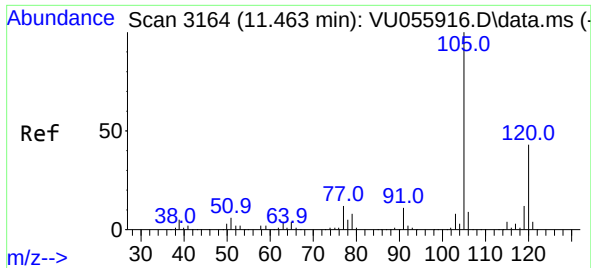
Tgt Ion:106 Resp: 34216
Ion Ratio Lower Upper
106 100
91 230.3 154.6 287.2



#62
1,3,5-Trimethylbenzene
Concen: 0.233 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU055930.D
Acq: 27 Oct 2023 17:55

Tgt Ion:105 Resp: 16431
Ion Ratio Lower Upper
105 100
120 51.8 37.4 56.2





#63
 1,2,4-Trimethylbenzene
 Concen: 0.973 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. 0.003 min
 Lab File: VU055930.D
 Acq: 27 Oct 2023 17:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:105 Resp: 63751
 Ion Ratio Lower Upper
 105 100
 120 41.0 34.6 52.0

