

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102723\
 Data File : VU055927.D
 Acq On : 27 Oct 2023 16:43
 Operator : MD/SY
 Sample : 05009-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A49J0

Quant Time: Oct 27 23:56:06 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)

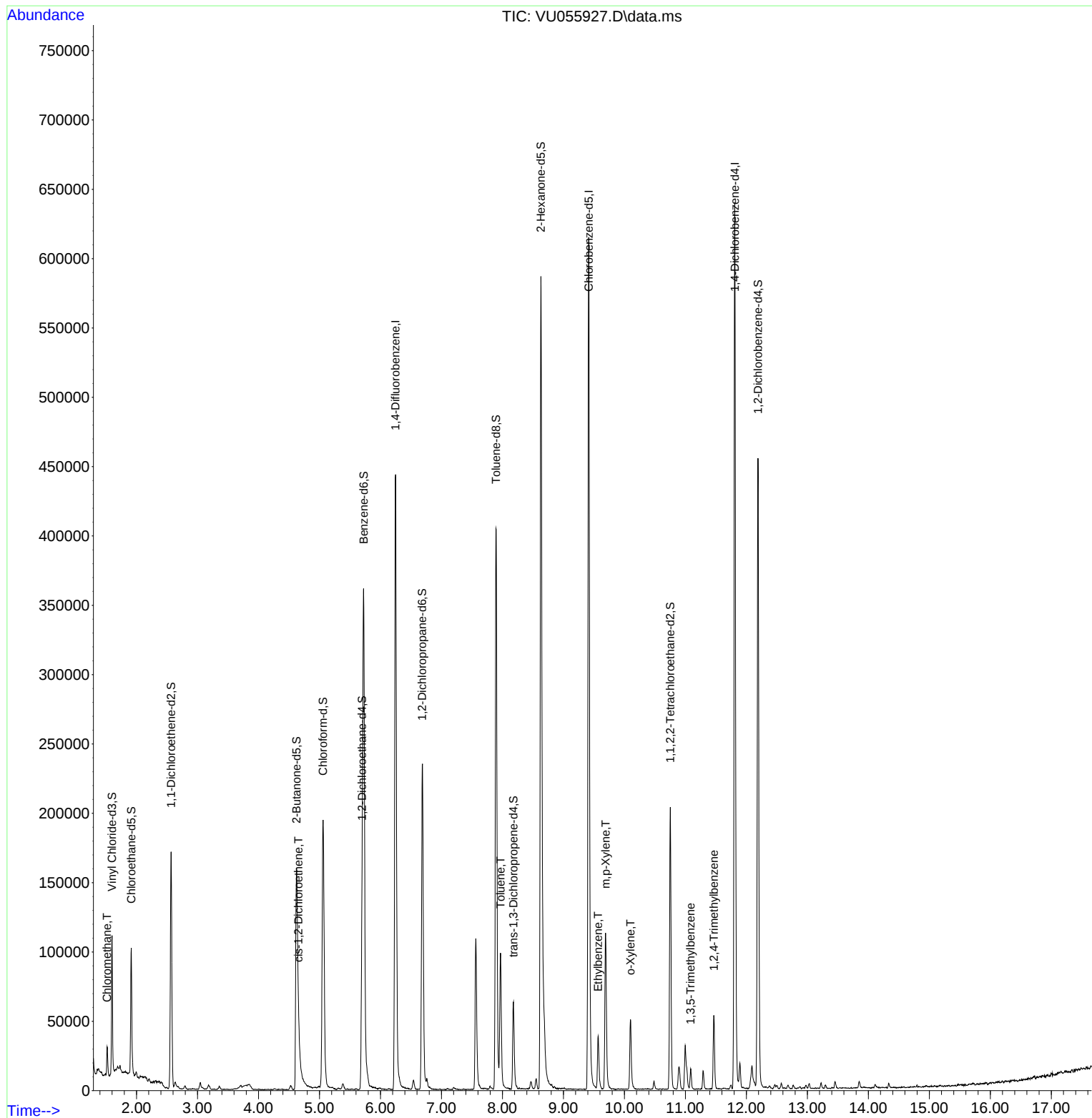
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	376720	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	368740	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	179776	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	69981	2.348	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.000%
7) Chloroethane-d5	1.914	69	69903	3.009	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	60.200%#
11) 1,1-Dichloroethene-d2	2.567	65	32984	2.607	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.200%#
20) 2-Butanone-d5	4.624	46	261451	49.179	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.360%
24) Chloroform-d	5.058	84	192026	3.477	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.600%#
26) 1,2-Dichloroethane-d4	5.698	65	95344	3.544	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.800%
32) Benzene-d6	5.724	84	349195	3.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.600%#
36) 1,2-Dichloropropane-d6	6.685	67	120497	3.701	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.000%
41) Toluene-d8	7.894	98	290905	2.920	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.400%#
43) trans-1,3-Dichloroprop...	8.180	79	40748	3.200	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.000%
46) 2-Hexanone-d5	8.631	63	215591	66.689	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.380%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	102467	4.321	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	124825	3.722	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	74.400%#
Target Compounds						Qvalue
3) Chloromethane	1.518	50	14697	0.717	ug/L	92
22) cis-1,2-Dichloroethene	4.656	96	2160	0.099	ug/L	95
42) Toluene	7.968	91	76117	0.895	ug/L	99
52) Ethylbenzene	9.569	91	28519	0.296	ug/L	98
53) m,p-Xylene	9.692	106	35088	0.974	ug/L	97
54) o-Xylene	10.100	106	14487	0.411	ug/L	95
62) 1,3,5-Trimethylbenzene	11.087	105	8931	0.122	ug/L	96
63) 1,2,4-Trimethylbenzene	11.466	105	30913	0.455	ug/L	100

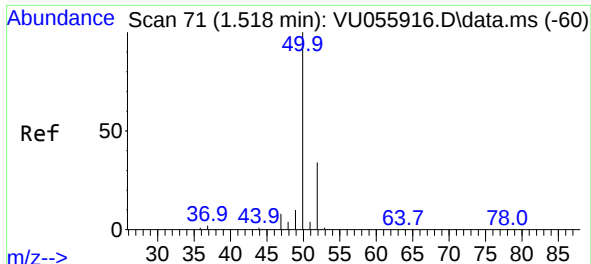
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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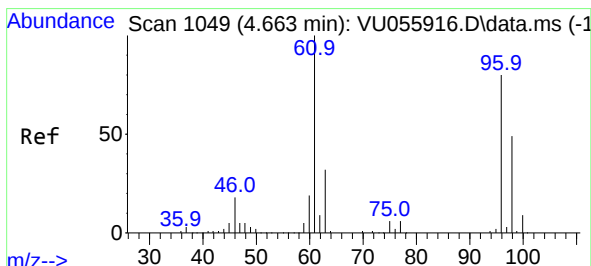
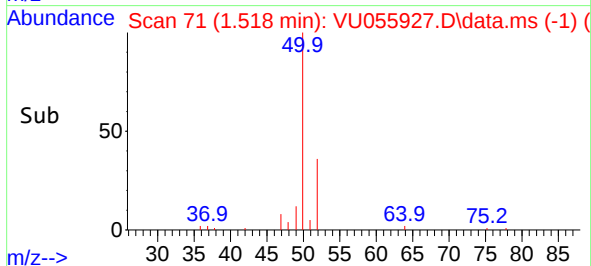
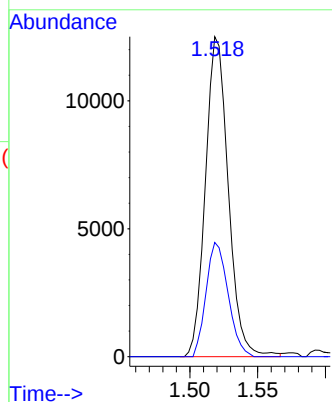
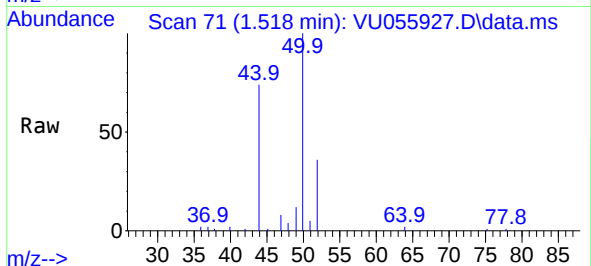




#3
Chloromethane
Concen: 0.717 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU055927.D
Acq: 27 Oct 2023 16:43

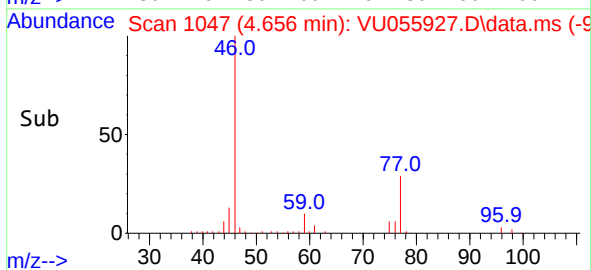
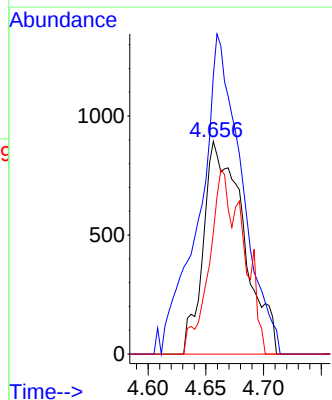
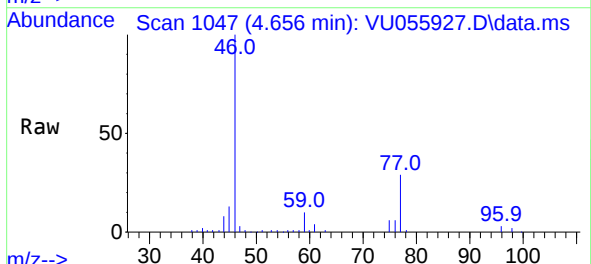
Instrument :
MSVOA_U
ClientSampleId :
A49J0

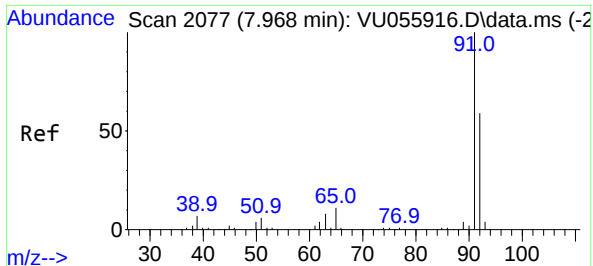
Tgt Ion: 50 Resp: 14697
Ion Ratio Lower Upper
50 100
52 35.7 22.0 40.8



#22
cis-1,2-Dichloroethene
Concen: 0.099 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.007 min
Lab File: VU055927.D
Acq: 27 Oct 2023 16:43

Tgt Ion: 96 Resp: 2160
Ion Ratio Lower Upper
96 100
61 130.9 93.8 174.2
98 57.1 45.6 84.8





#42

Toluene

Concen: 0.895 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055927.D

Acq: 27 Oct 2023 16:43

Instrument :

MSVOA_U

ClientSampleId :

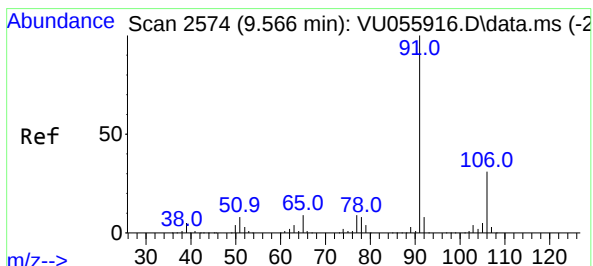
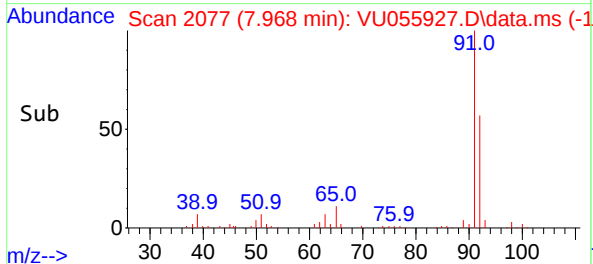
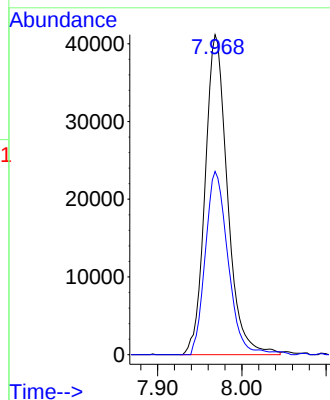
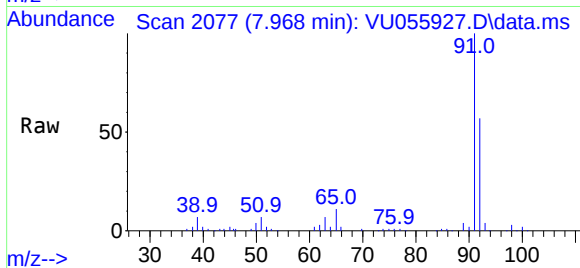
A49J0

Tgt Ion: 91 Resp: 76117

Ion Ratio Lower Upper

91 100

92 57.2 40.6 75.4



#52

Ethylbenzene

Concen: 0.296 ug/L

RT: 9.569 min Scan# 2575

Delta R.T. 0.003 min

Lab File: VU055927.D

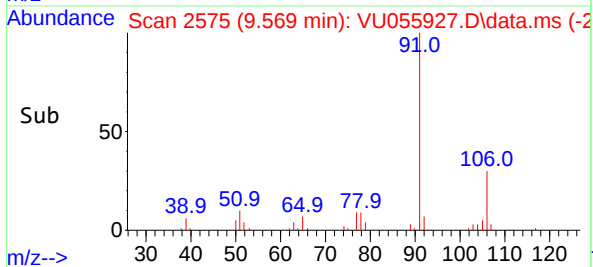
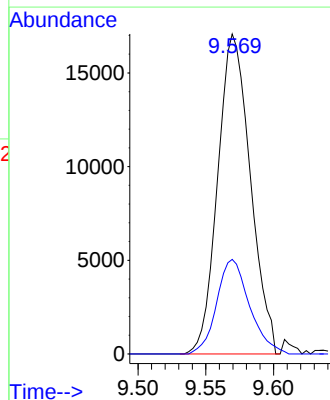
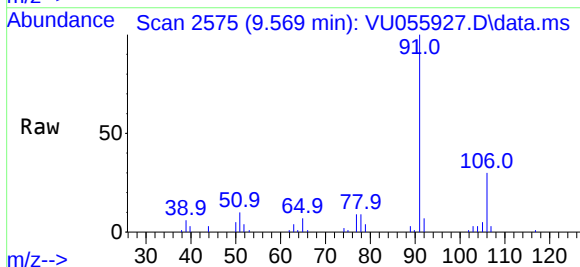
Acq: 27 Oct 2023 16:43

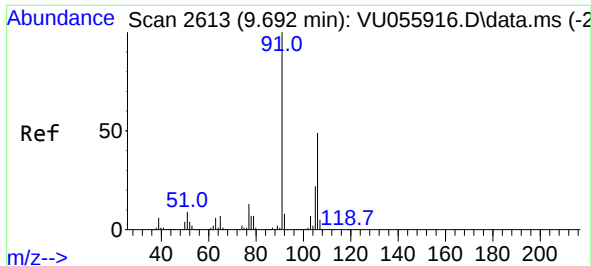
Tgt Ion: 91 Resp: 28519

Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.5

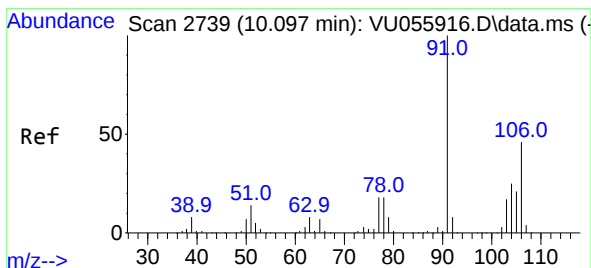
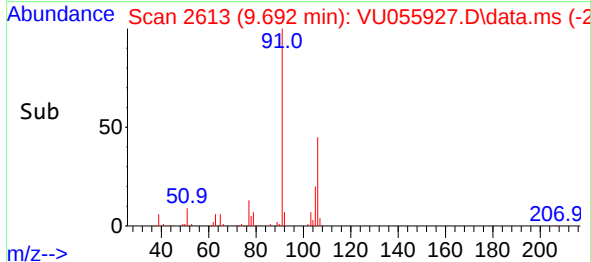
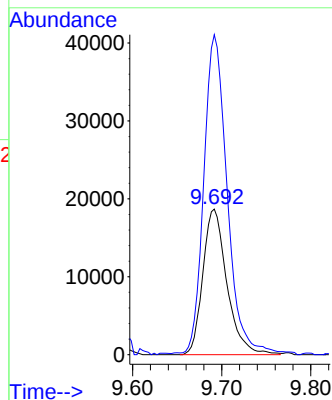
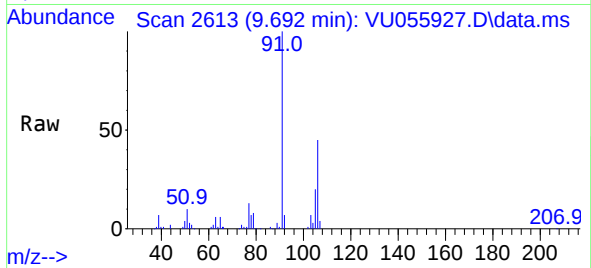




#53
m,p-Xylene
Concen: 0.974 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055927.D
Acq: 27 Oct 2023 16:43

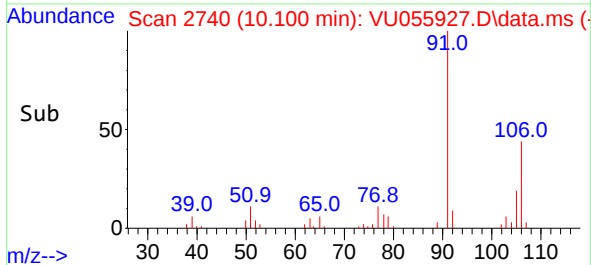
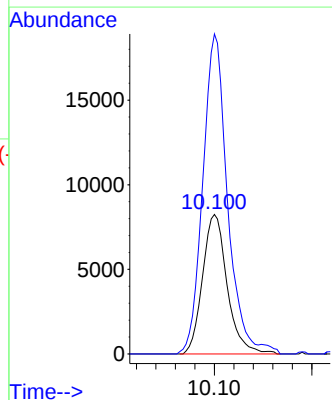
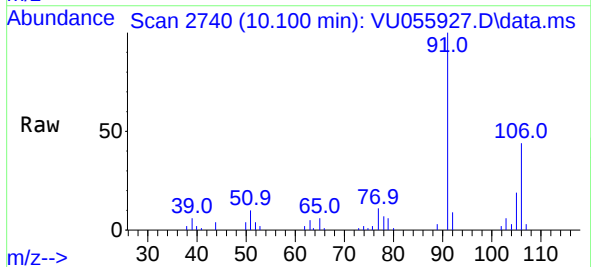
Instrument :
MSVOA_U
ClientSampleId :
A49J0

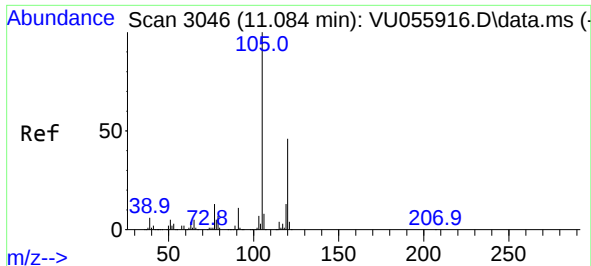
Tgt Ion:106 Resp: 35088
Ion Ratio Lower Upper
106 100
91 219.9 150.4 279.2



#54
o-Xylene
Concen: 0.411 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.003 min
Lab File: VU055927.D
Acq: 27 Oct 2023 16:43

Tgt Ion:106 Resp: 14487
Ion Ratio Lower Upper
106 100
91 229.3 154.6 287.2





#62

1,3,5-Trimethylbenzene

Concen: 0.122 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055927.D

Acq: 27 Oct 2023 16:43

Instrument :

MSVOA_U

ClientSampleId :

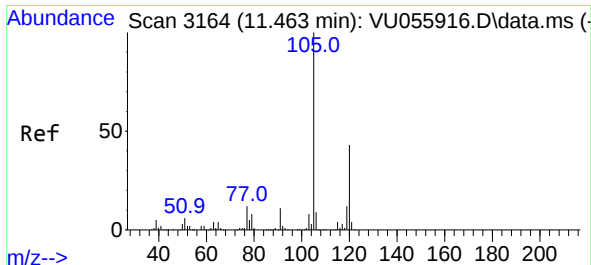
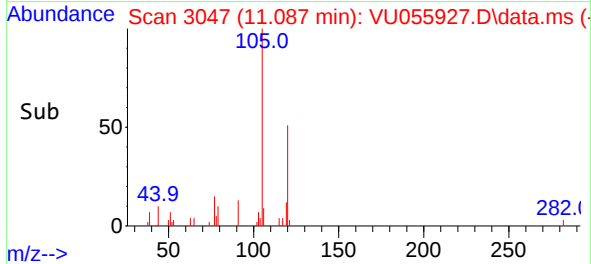
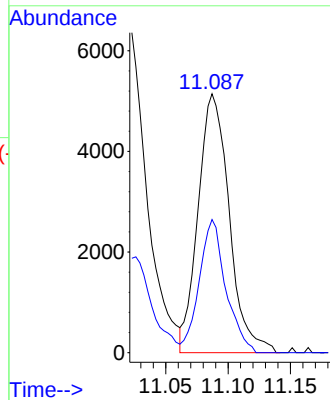
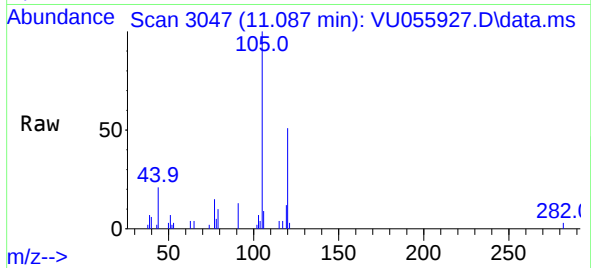
A49J0

Tgt Ion:105 Resp: 8931

Ion Ratio Lower Upper

105 100

120 44.0 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 0.455 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU055927.D

Acq: 27 Oct 2023 16:43

Tgt Ion:105 Resp: 30913

Ion Ratio Lower Upper

105 100

120 43.3 34.6 52.0

