

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045140.D
 Acq On : 05 Oct 2021 13:24
 Operator : SY/MD
 Sample : M4000-08DL 10X
 Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW903DL

Quant Time: Oct 06 01:44:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 06 01:40:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	287919	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	271966	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	140037	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	122224	38.778	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.560%
7) Chloroethane-d5	1.899	69	61016	24.429	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	48.860%#
11) 1,1-Dichloroethene-d2	2.565	63	170694	32.249	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.500%
21) 2-Butanone-d5	4.632	46	239037	95.930	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.930%
24) Chloroform-d	5.067	84	214719	43.133	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.260%
26) 1,2-Dichloroethane-d4	5.706	65	154239	45.742	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.480%
32) Benzene-d6	5.729	84	457554	48.484	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.960%
36) 1,2-Dichloropropane-d6	6.693	67	146185	47.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.020%
41) Toluene-d8	7.902	98	422180	51.839	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.680%
43) trans-1,3-Dichloroprop...	8.182	79	68654	50.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.320%
47) 2-Hexanone-d5	8.642	63	182912	107.264	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.260%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	241307	50.360	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.720%
66) 1,2-Dichlorobenzene-d4	12.195	152	156443	51.333	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.660%
Target Compounds						
					Qvalue	
25) Chloroform	5.089	83	2103	0.433	ug/L #	72
29) Cyclohexane	5.388	56	37165	9.091	ug/L	88
35) Methylcyclohexane	6.764	83	153478	37.837	ug/L	95
39) cis-1,3-Dichloropropene	7.571	75	4426	1.126	ug/L #	51
42) Toluene	7.973	91	9002	0.878	ug/L	98
44) trans-1,3-Dichloropropene	8.182	75	2956	0.791	ug/L #	58
45) 1,1,2-Trichloroethane	8.372	97	37197	14.945	ug/L #	18
48) 2-Hexanone	8.639	43	141704	34.831	ug/L #	30
52) Ethylbenzene	9.574	91	111940	10.339	ug/L	99
53) m,p-Xylene	9.693	106	145612	35.502	ug/L	99
54) o-xylene	10.105	106	5991	1.486	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.764	83	9943	2.086	ug/L #	57
61) Isopropylbenzene	10.488	105	49173	4.798	ug/L	98
62) 1,3,5-Trimethylbenzene	11.092	105	135443	15.825	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	322783	36.829	ug/L	100
68) 1,2-Dibromo-3-chloropr...	13.028	75	1203	1.081	ug/L #	18
71) Naphthalene	14.089	128	130267	13.763	ug/L	98

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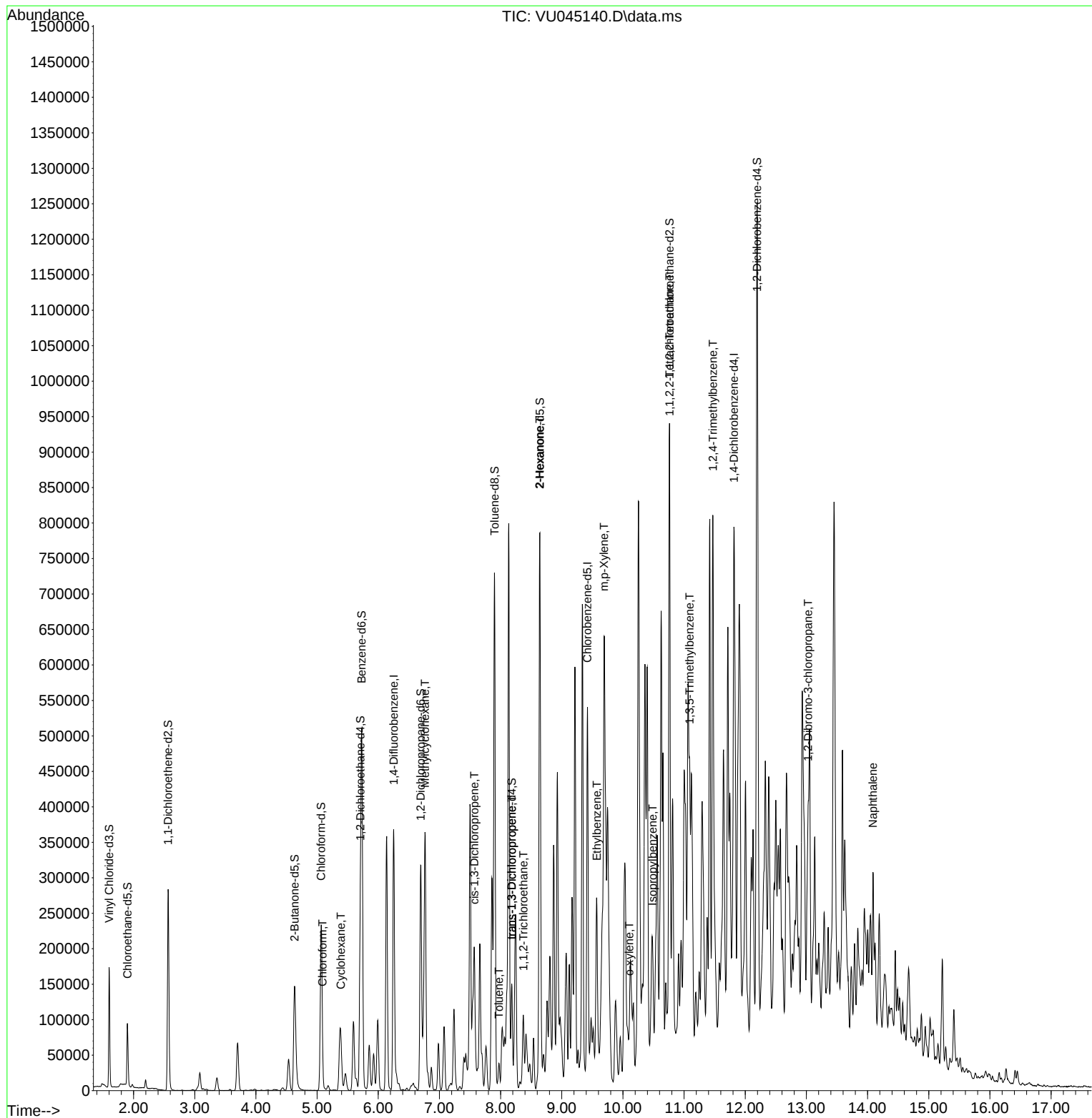
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

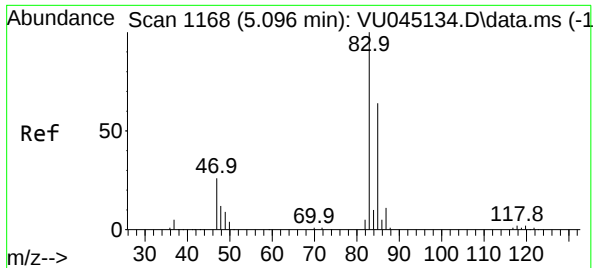
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#25

Chloroform

Concen: 0.433 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.007 min

Lab File: VU045140.D

Acq: 05 Oct 2021 13:24

Instrument :

MSVOA_U

ClientSampled :

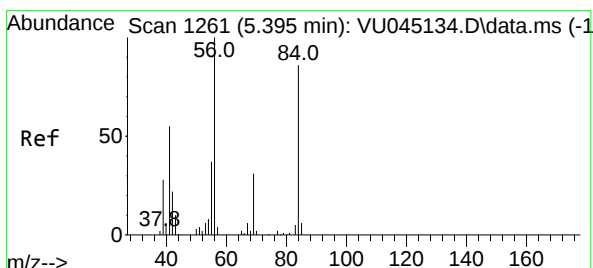
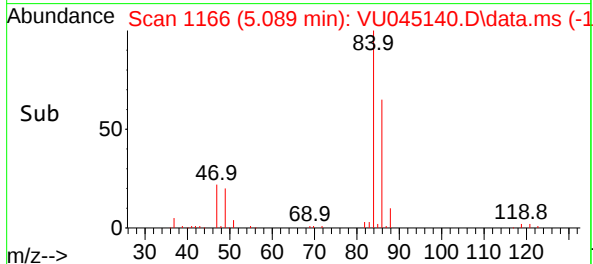
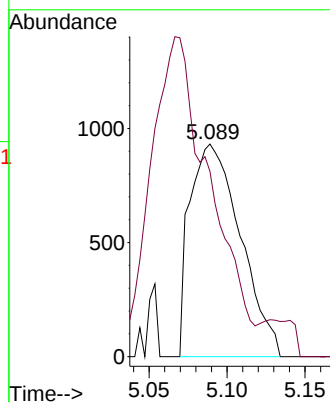
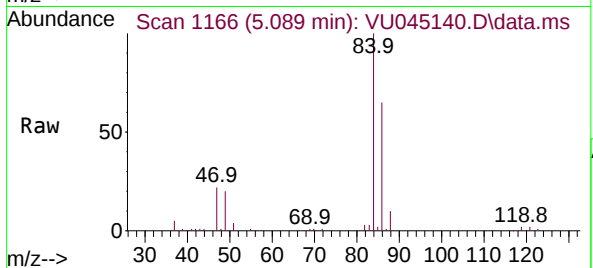
EW903DL

Tgt Ion: 83 Resp: 2103

Ion Ratio Lower Upper

83 100

85 87.1 45.6 84.6#



#29

Cyclohexane

Concen: 9.091 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.007 min

Lab File: VU045140.D

Acq: 05 Oct 2021 13:24

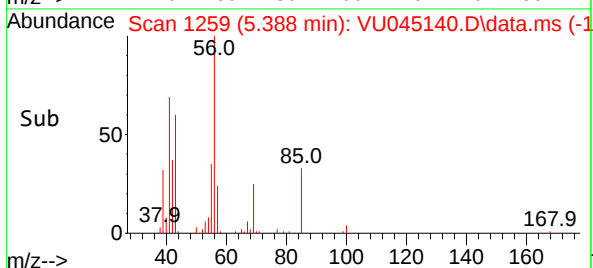
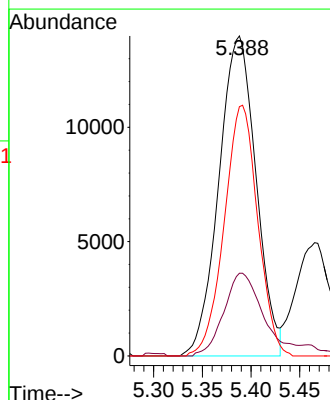
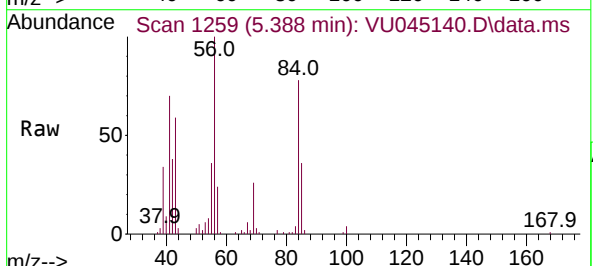
Tgt Ion: 56 Resp: 37165

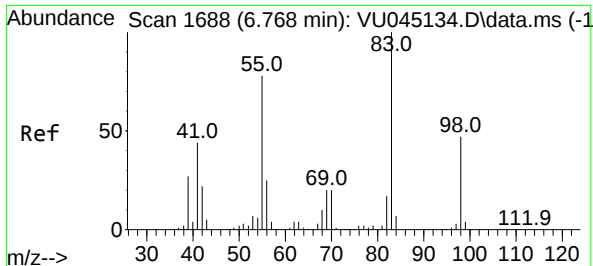
Ion Ratio Lower Upper

56 100

69 27.5 23.8 35.8

84 70.5 66.8 100.2





#35

Methylcyclohexane

Concen: 37.837 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.003 min

Lab File: VU045140.D

Acq: 05 Oct 2021 13:24

Tgt Ion: 83 Resp: 153478

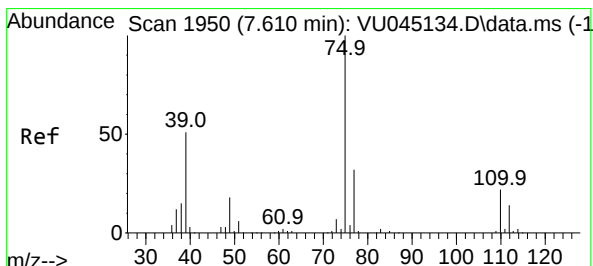
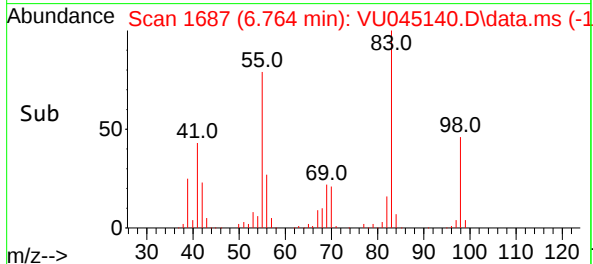
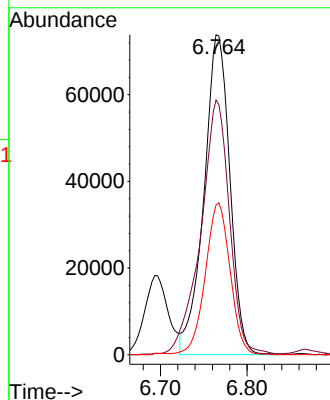
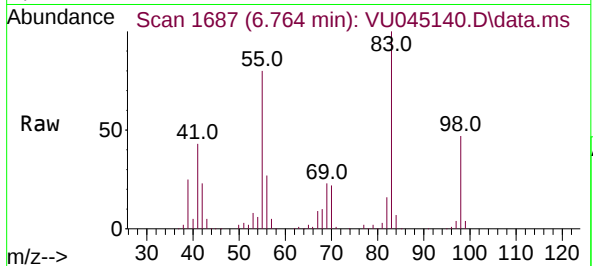
Ion	Ratio	Lower	Upper
83	100		
55	88.0	65.8	98.6
98	45.1	37.1	55.7

Instrument :

MSVOA_U

ClientSampleId :

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#39

cis-1,3-Dichloropropene

Concen: 1.126 ug/L

RT: 7.571 min Scan# 1938

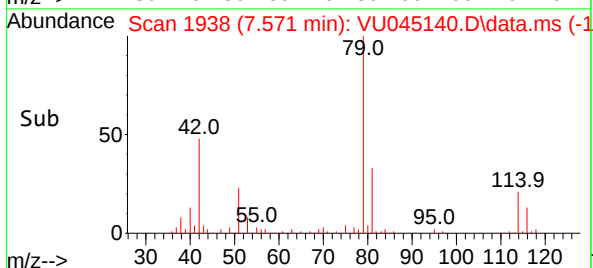
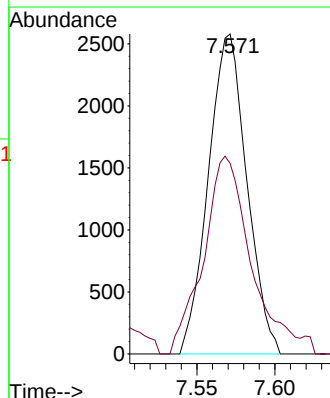
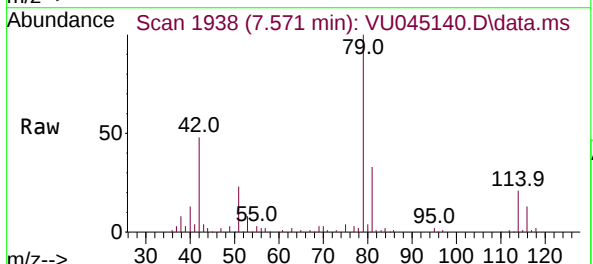
Delta R.T. -0.039 min

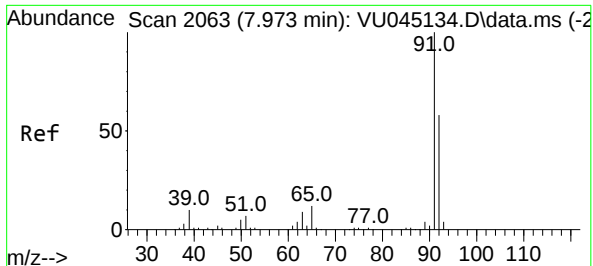
Lab File: VU045140.D

Acq: 05 Oct 2021 13:24

Tgt Ion: 75 Resp: 4426

Ion	Ratio	Lower	Upper
75	100		
77	59.5	22.4	41.6#

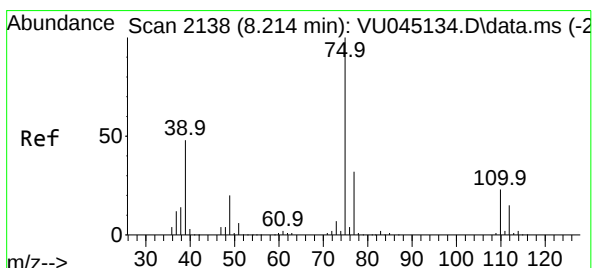
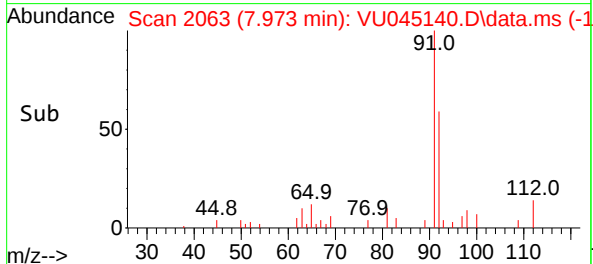
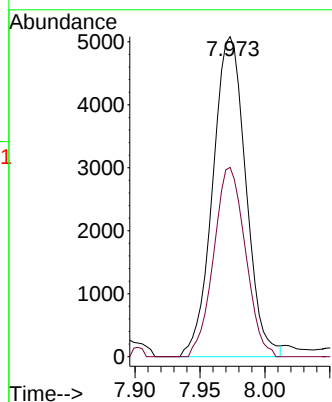
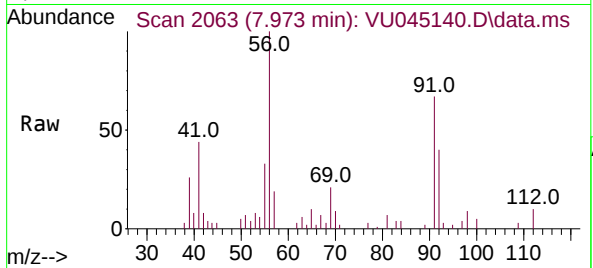




#42
Toluene
Concen: 0.878 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

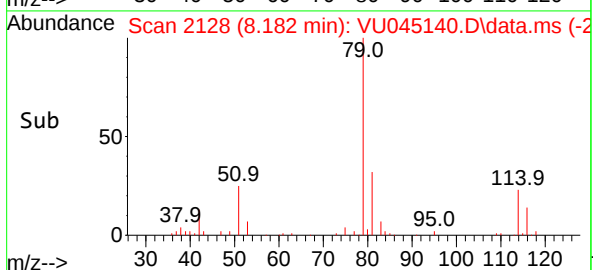
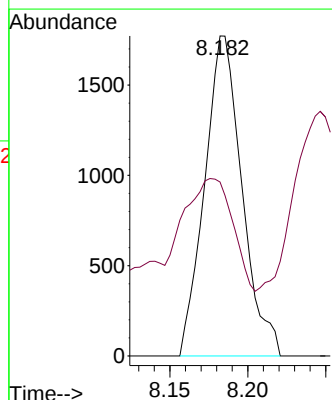
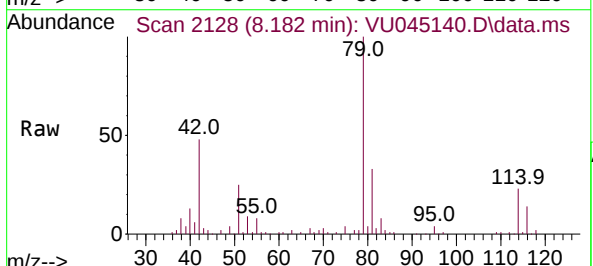
Instrument :
MSVOA_U
ClientSampleId :
EW903DL

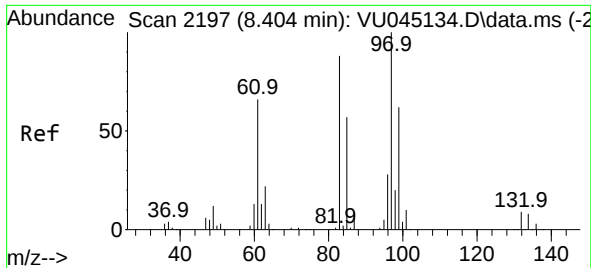
Tgt Ion: 91 Resp: 9002
Ion Ratio Lower Upper
91 100
92 59.2 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.791 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion: 75 Resp: 2956
Ion Ratio Lower Upper
75 100
77 54.3 21.7 40.3#

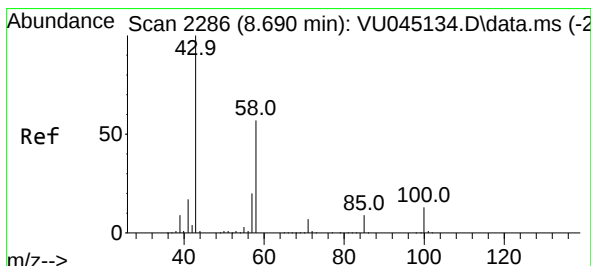
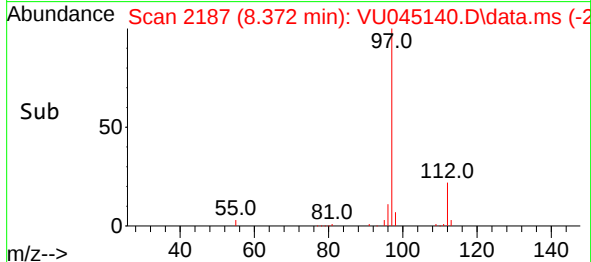
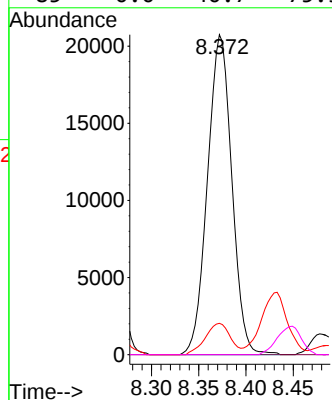
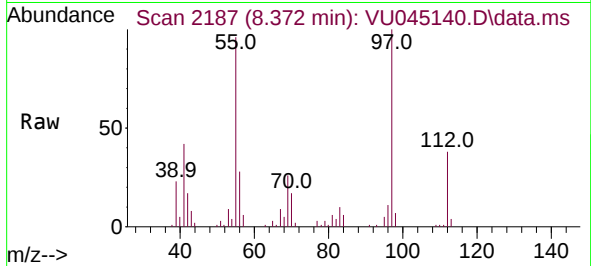




#45
1,1,2-Trichloroethane
Concen: 14.945 ug/L
RT: 8.372 min Scan# 2187
Delta R.T. -0.032 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

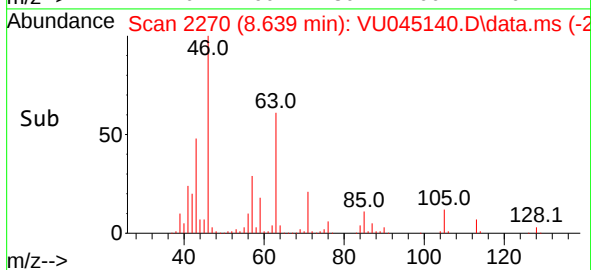
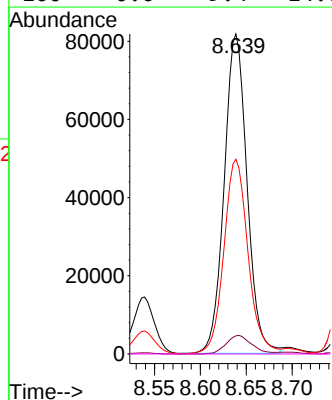
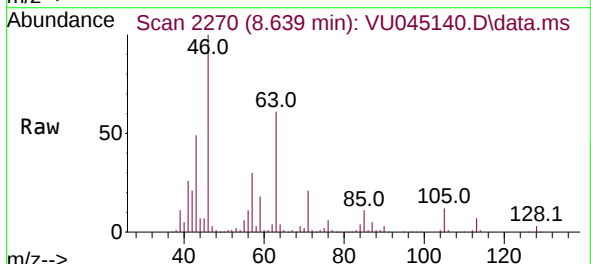
Instrument :
MSVOA_U
ClientSampled :
EW903DL

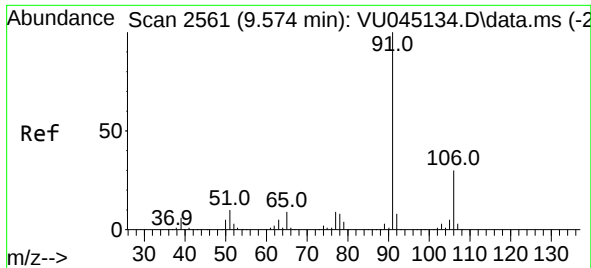
Tgt Ion:	97	Resp:	37197
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.7	81.1#
83	9.8	61.9	115.1#
85	0.0	40.7	75.5#



#48
2-Hexanone
Concen: 34.831 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.052 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion:	43	Resp:	141704
Ion	Ratio	Lower	Upper
43	100		
58	6.5	44.9	67.3#
57	64.5	15.5	23.3#
100	0.0	9.4	14.0#

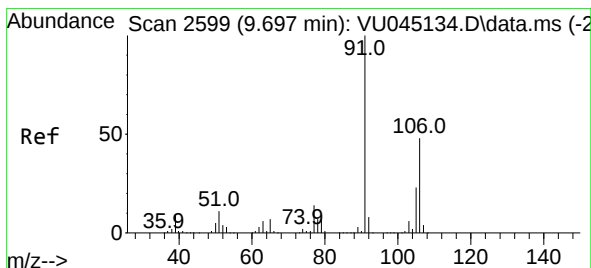
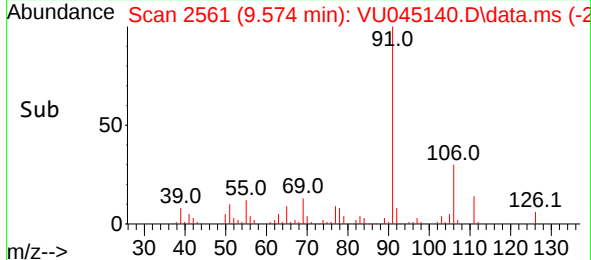
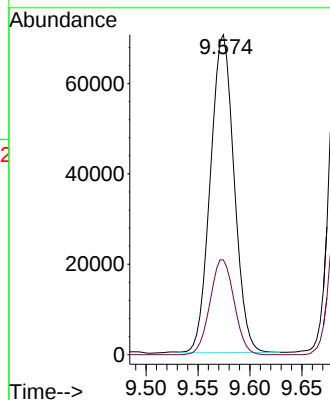
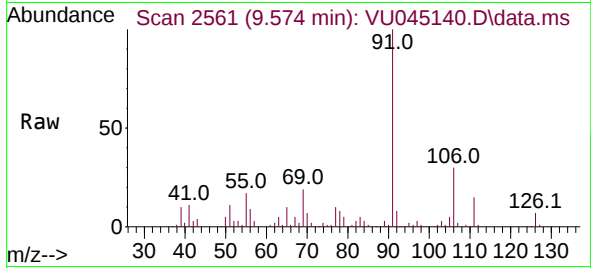




#52
Ethylbenzene
Concen: 10.339 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

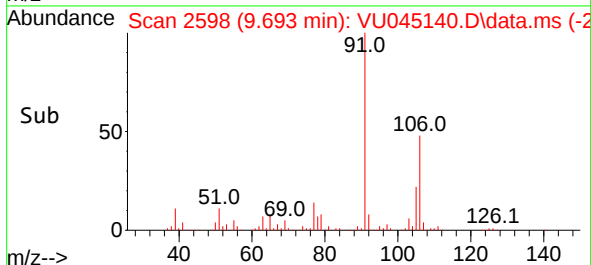
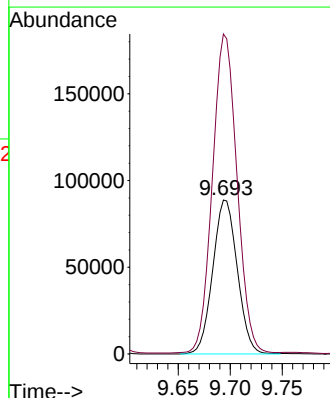
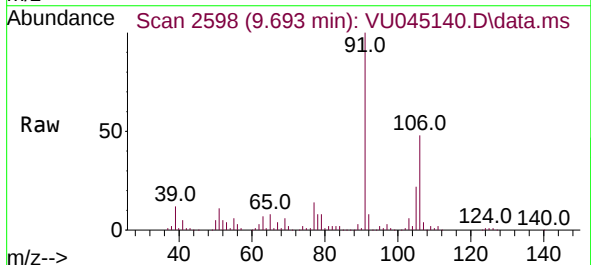
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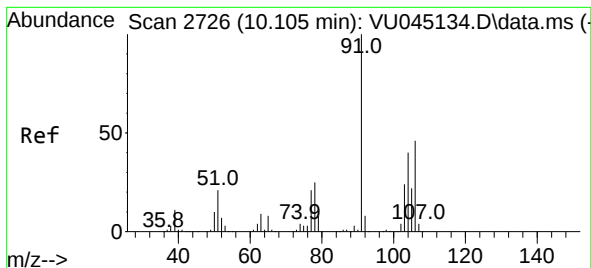
Tgt Ion: 91 Resp: 111940
Ion Ratio Lower Upper
91 100
106 29.6 21.2 39.4



#53
m,p-Xylene
Concen: 35.502 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion: 106 Resp: 145612
Ion Ratio Lower Upper
106 100
91 207.8 146.7 272.4





#54

o-xylene

Concen: 1.486 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. -0.000 min

Lab File: VU045140.D

Acq: 05 Oct 2021 13:24

Tgt Ion:106 Resp: 5991

Ion Ratio Lower Upper

106 100

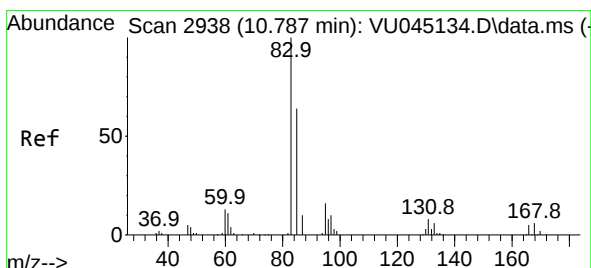
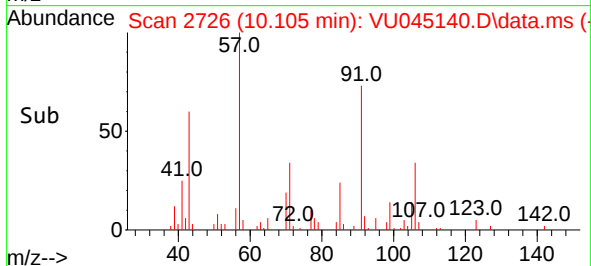
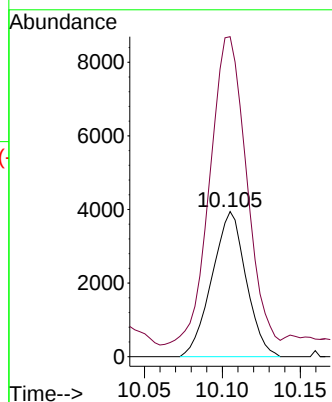
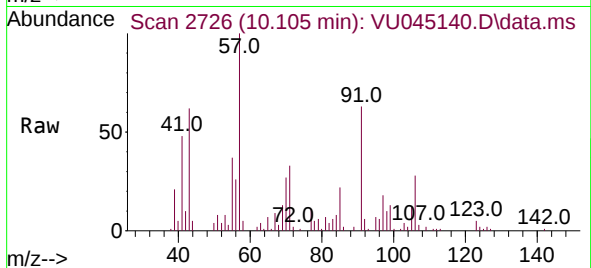
91 220.6 152.9 283.9

Instrument :

MSVOA_U

ClientSampleId :

EW903DL



#57

1,1,2,2-Tetrachloroethane

Concen: 2.086 ug/L

RT: 10.764 min Scan# 2931

Delta R.T. -0.023 min

Lab File: VU045140.D

Acq: 05 Oct 2021 13:24

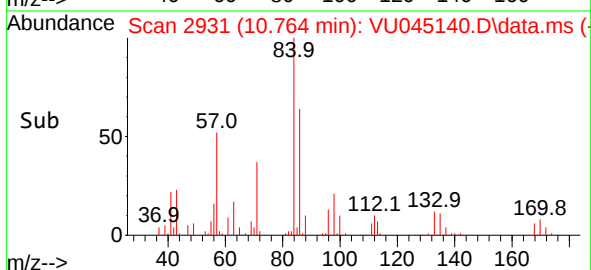
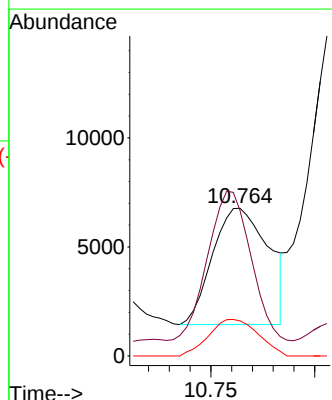
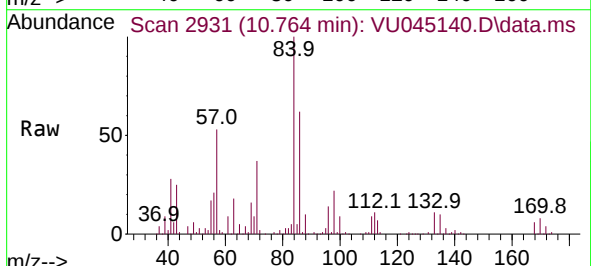
Tgt Ion: 83 Resp: 9943

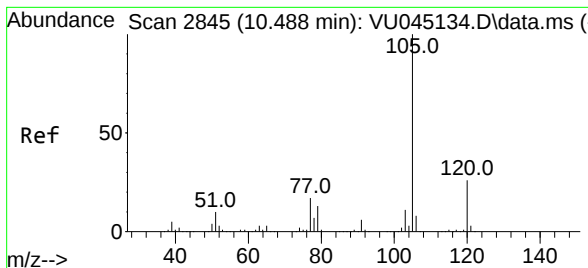
Ion Ratio Lower Upper

83 100

85 98.4 45.1 83.7#

131 23.7 6.9 10.3#

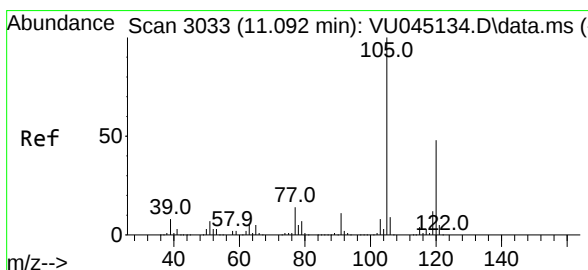
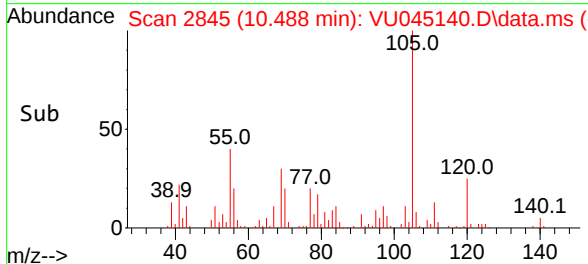
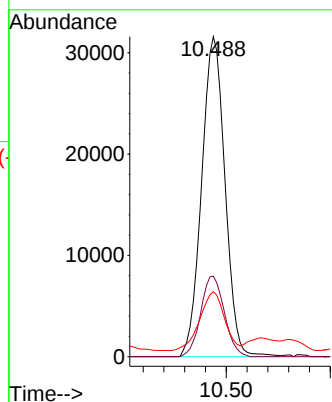
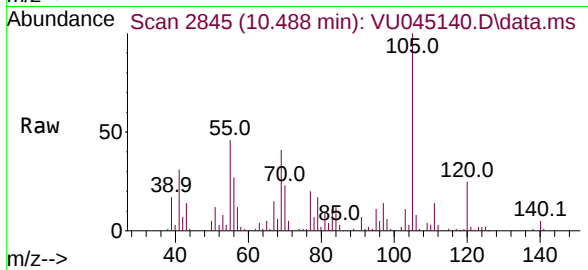




#61
Isopropylbenzene
Concen: 4.798 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

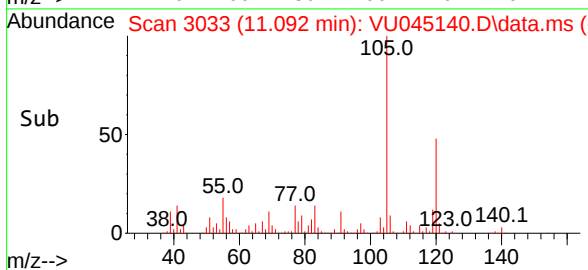
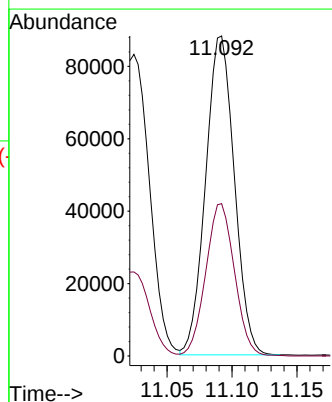
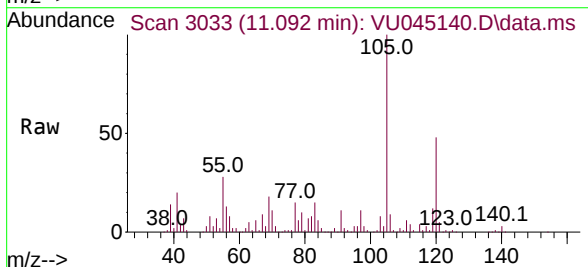
Instrument :
MSVOA_U
ClientSampled :
EW903DL

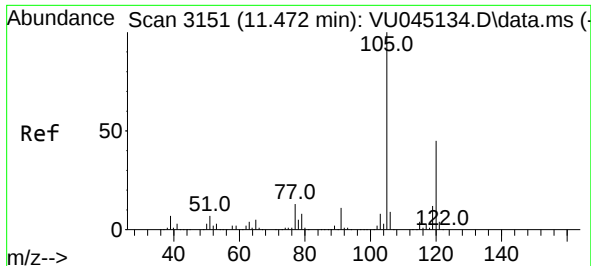
Tgt Ion:105 Resp: 49173
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 19.2 13.5 20.3



#62
1,3,5-Trimethylbenzene
Concen: 15.825 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion:105 Resp: 135443
Ion Ratio Lower Upper
105 100
120 47.8 38.8 58.2

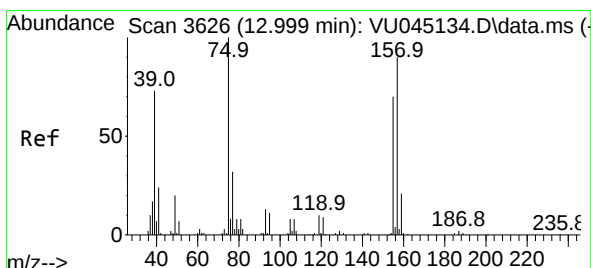
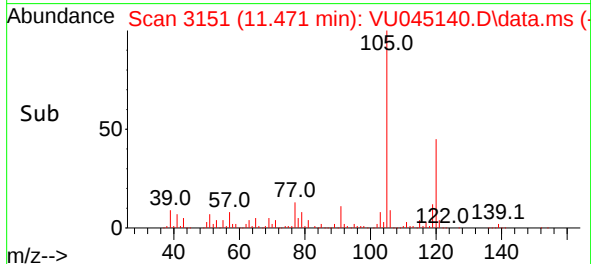
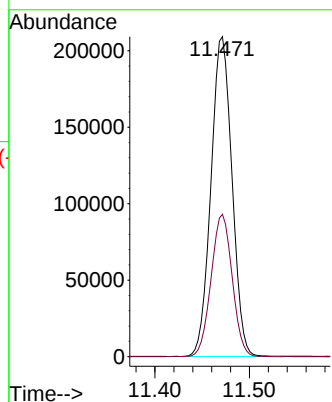
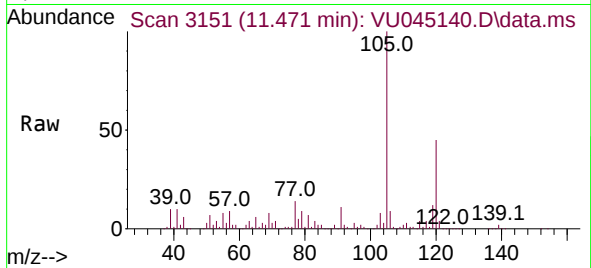




#63
1,2,4-Trimethylbenzene
Concen: 36.829 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

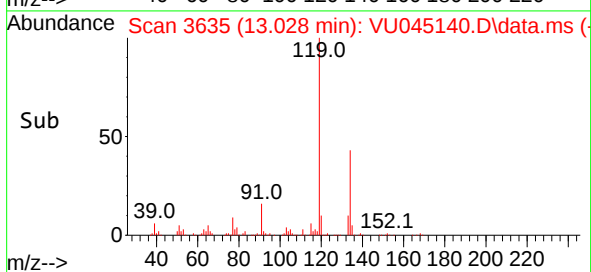
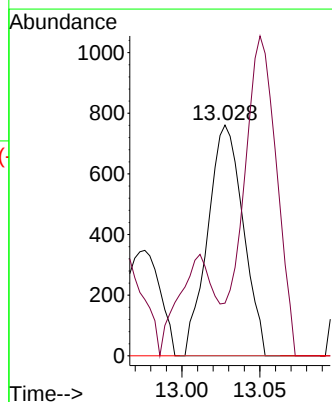
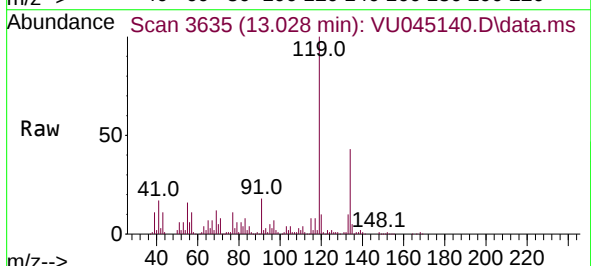
Instrument :
MSVOA_U
ClientSampleId :
EW903DL

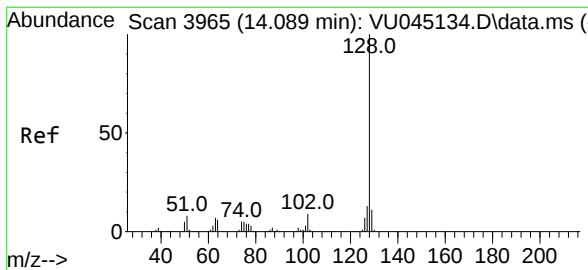
Tgt Ion:105 Resp: 322783
Ion Ratio Lower Upper
105 100
120 44.7 35.7 53.5



#68
1,2-Dibromo-3-chloropropane
Concen: 1.081 ug/L
RT: 13.028 min Scan# 3635
Delta R.T. 0.029 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion: 75 Resp: 1203
Ion Ratio Lower Upper
75 100
155 22.9 58.5 87.7#
157 0.0 77.7 116.5#





#71
Naphthalene
Concen: 13.763 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Instrument :
MSVOA_U
ClientSampleId :
EW903DL

Tgt Ion:128 Resp: 130267
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 11.8 8.8 13.2

