

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120921\
 Data File : VX025655.D
 Acq On : 09 Dec 2021 13:08
 Operator : JC/MD
 Sample : M4884-16ME
 Misc : 2.91g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EW9K2ME

Quant Time: Dec 10 01:59:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML112221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 10 01:57:45 2021
 Response via : Initial Calibration

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

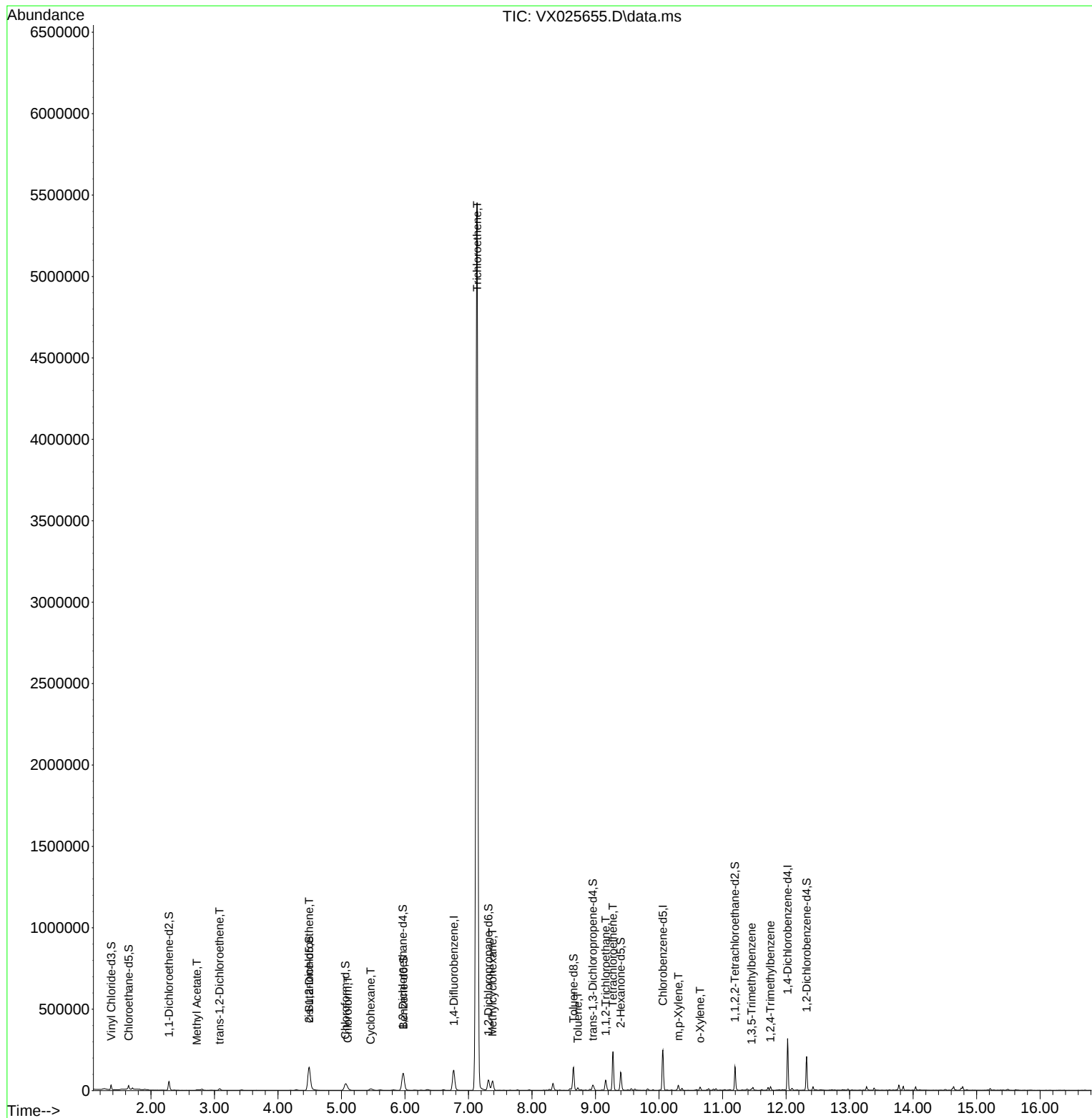
Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	143881	50.000	ug/L	0.01
28) Chlorobenzene-d5	10.061	117	128244	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	66049	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	20374	20.749	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	41.500%#		
7) Chloroethane-d5	1.648	69	13661	16.857	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	33.720%#		
11) 1,1-Dichloroethene-d2	2.282	63	31714	20.256	ug/L	-0.02
Spiked Amount 50.000	Range 60 - 125		Recovery =	40.520%#		
21) 2-Butanone-d5	4.489	46	50439	69.006	ug/L	0.04
Spiked Amount 100.000	Range 40 - 130		Recovery =	69.010%		
24) Chloroform-d	5.062	84	51799	30.184	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	60.360%#		
26) 1,2-Dichloroethane-d4	5.964	65	36308	33.943	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery =	67.880%#		
32) Benzene-d6	5.976	84	101046	29.729	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	59.460%#		
36) 1,2-Dichloropropane-d6	7.312	67	33244	31.591	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	63.180%#		
41) Toluene-d8	8.653	98	86499	26.962	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	53.920%#		
43) trans-1,3-Dichloroprop...	8.958	79	14425	27.265	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.520%#		
47) 2-Hexanone-d5	9.397	63	35022	63.934	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery =	63.930%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	52783	35.491	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	70.980%		
66) 1,2-Dichlorobenzene-d4	12.323	152	42395	32.726	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	65.460%#		
Target Compounds						Qvalue
15) Methyl Acetate	2.721	43	5023	5.171	ug/L #	93
17) trans-1,2-Dichloroethene	3.081	96	2869	3.449	ug/L	96
20) cis-1,2-Dichloroethene	4.489	96	83593	85.280	ug/L	99
25) Chloroform	5.099	83	8859	5.465	ug/L	96
29) Cyclohexane	5.458	56	6375	4.852	ug/L #	89
34) Trichloroethene	7.135	95	2056147	2281.782	ug/L	93
35) Methylcyclohexane	7.379	83	25681	18.107	ug/L	97
42) Toluene	8.720	91	10713	2.835	ug/L	98
45) 1,1,2-Trichloroethane	9.159	97	19566	21.456	ug/L	98
46) Tetrachloroethene	9.275	164	46507	60.856	ug/L	99
53) m,p-Xylene	10.305	106	7353	4.470	ug/L	98
54) o-Xylene	10.646	106	4325	2.627	ug/L	99
62) 1,3,5-Trimethylbenzene	11.457	105	3372	0.950	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	9173	2.557	ug/L #	81

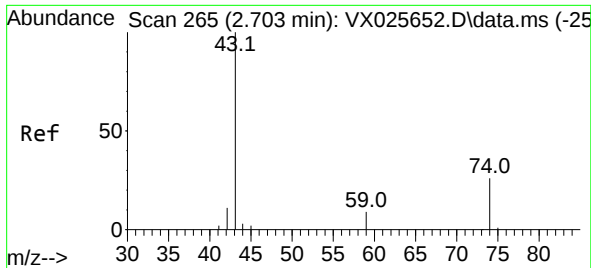
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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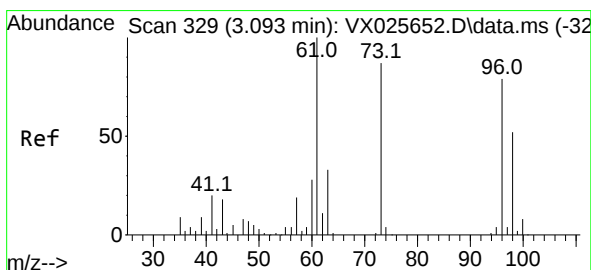
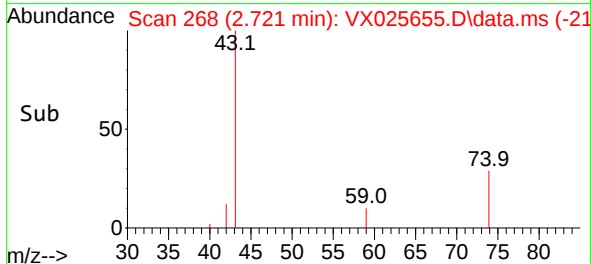
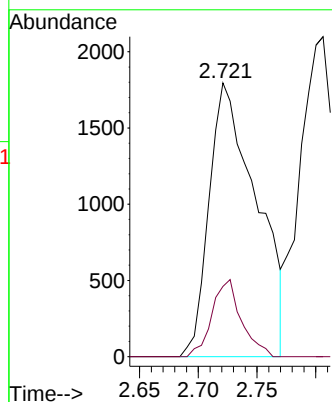
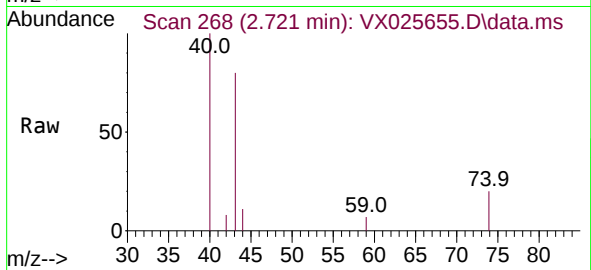




#15
Methyl Acetate
Concen: 5.171 ug/L
RT: 2.721 min Scan# 20
Delta R.T. 0.018 min
Lab File: VX025655.D
Acq: 09 Dec 2021 13:08

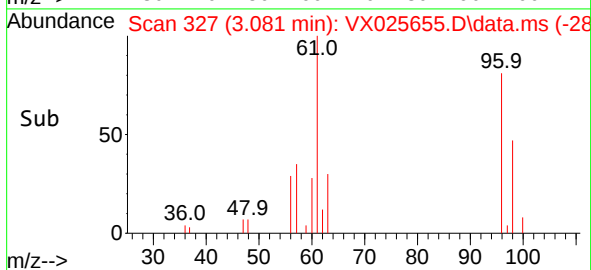
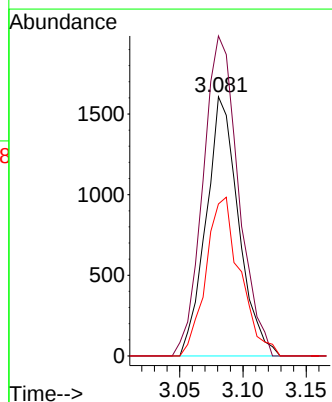
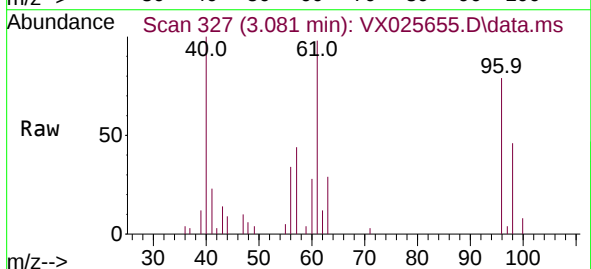
Instrument :
MSVOA_X
ClientSampleId :
EW9K2ME

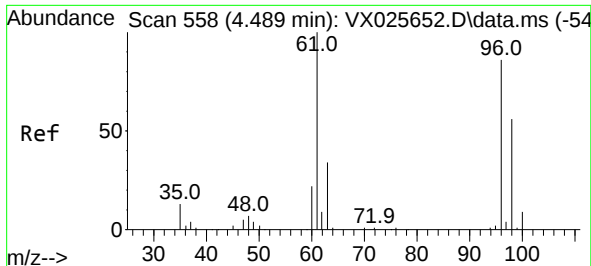
Tgt Ion: 43 Resp: 5023
Ion Ratio Lower Upper
43 100
74 17.5 0.1 0.1#



#17
trans-1,2-Dichloroethene
Concen: 3.449 ug/L
RT: 3.081 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX025655.D
Acq: 09 Dec 2021 13:08

Tgt Ion: 96 Resp: 2869
Ion Ratio Lower Upper
96 100
61 123.5 88.5 164.4
98 58.6 44.3 82.3

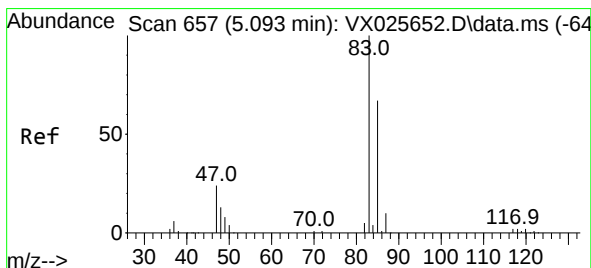
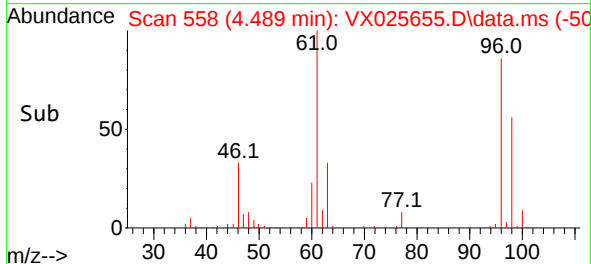
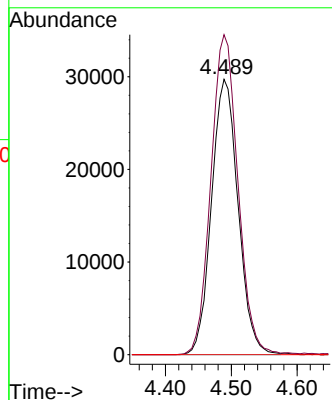
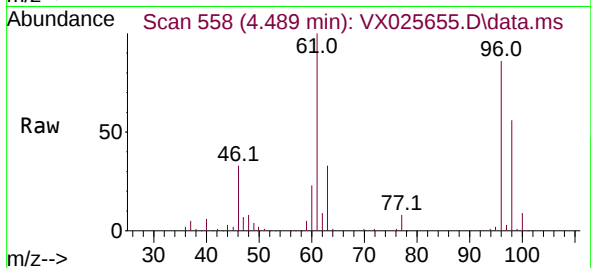




#20
 cis-1,2-Dichloroethene
 Concen: 85.280 ug/L
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX025655.D
 Acq: 09 Dec 2021 13:08

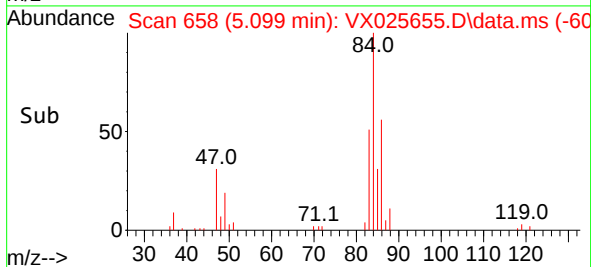
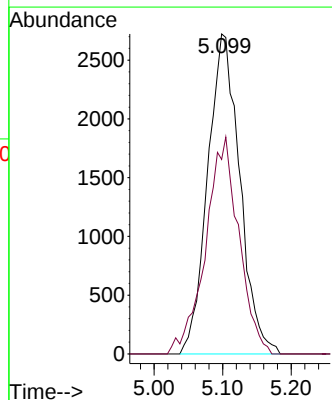
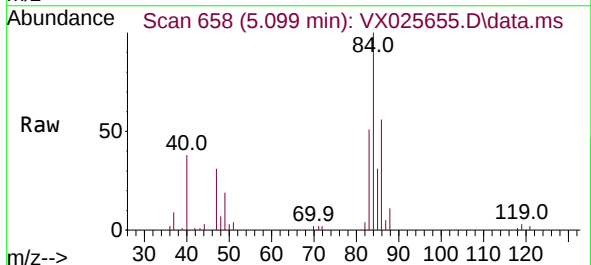
Instrument :
 MSVOA_X
 ClientSampleId :
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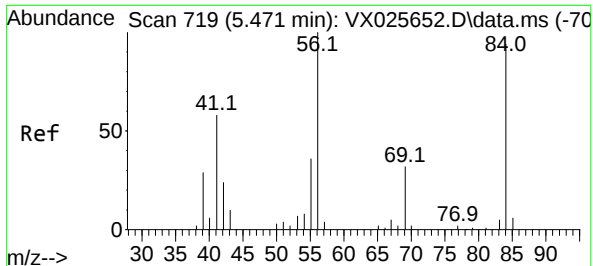
Tgt Ion: 96 Resp: 83593
 Ion Ratio Lower Upper
 96 100
 61 116.2 82.3 152.8
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 5.465 ug/L
 RT: 5.099 min Scan# 658
 Delta R.T. 0.006 min
 Lab File: VX025655.D
 Acq: 09 Dec 2021 13:08

Tgt Ion: 83 Resp: 8859
 Ion Ratio Lower Upper
 83 100
 85 60.8 44.9 83.5





#29

Cyclohexane

Concen: 4.852 ug/L

RT: 5.458 min Scan# 717

Delta R.T. -0.012 min

Lab File: VX025655.D

Acq: 09 Dec 2021 13:08

Instrument :

MSVOA_X

ClientSampleId :

EW9K2ME

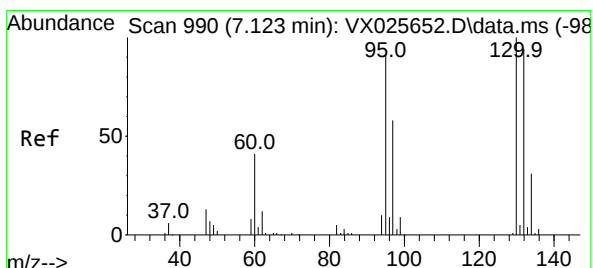
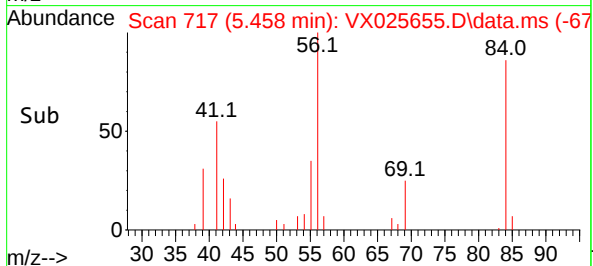
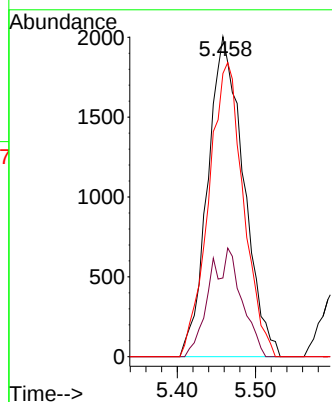
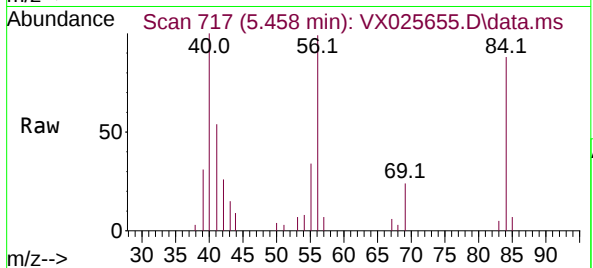
Tgt Ion: 56 Resp: 6375

Ion Ratio Lower Upper

56 100

69 18.6 25.4 38.2#

84 89.1 76.6 114.8



#34

Trichloroethene

Concen: 2281.782 ug/L

RT: 7.135 min Scan# 992

Delta R.T. 0.012 min

Lab File: VX025655.D

Acq: 09 Dec 2021 13:08

Tgt Ion: 95 Resp: 2056147

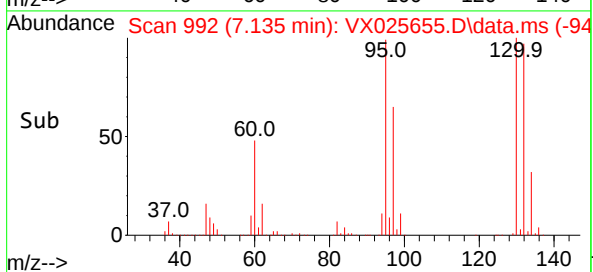
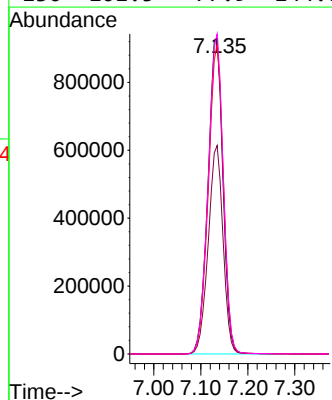
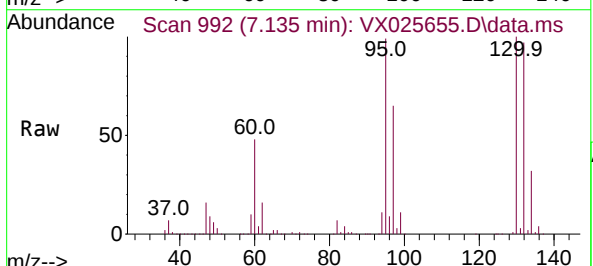
Ion Ratio Lower Upper

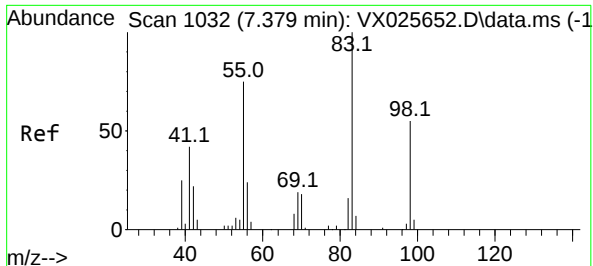
95 100

97 66.1 46.0 85.4

132 98.0 75.0 139.2

130 101.5 77.9 144.7





#35

Methylcyclohexane

Concen: 18.107 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX025655.D

Acq: 09 Dec 2021 13:08

Instrument :

MSVOA_X

ClientSampleId :

EW9K2ME

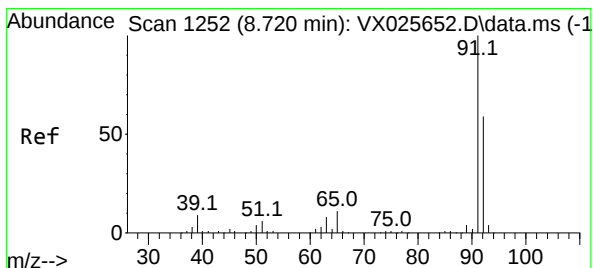
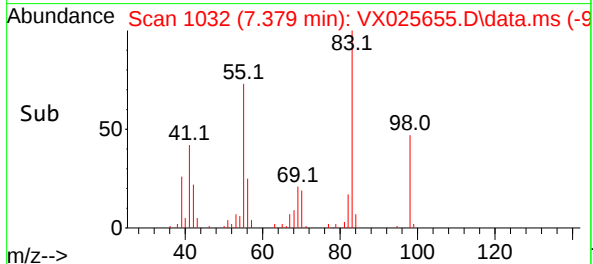
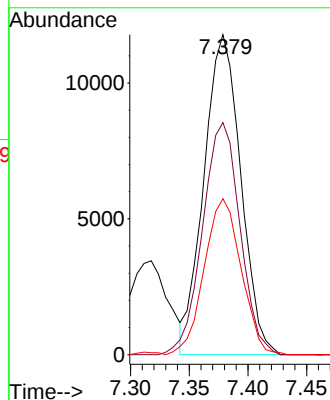
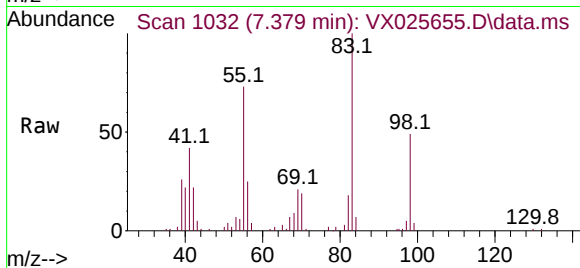
Tgt Ion: 83 Resp: 25681

Ion Ratio Lower Upper

83 100

55 73.8 57.3 85.9

98 48.8 41.1 61.7



#42

Toluene

Concen: 2.835 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX025655.D

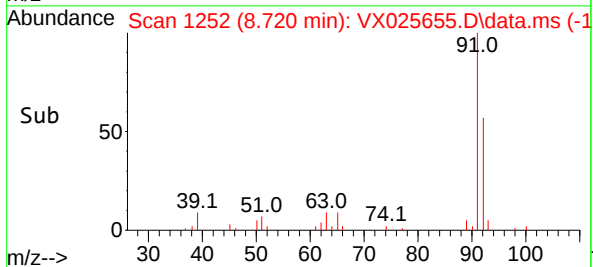
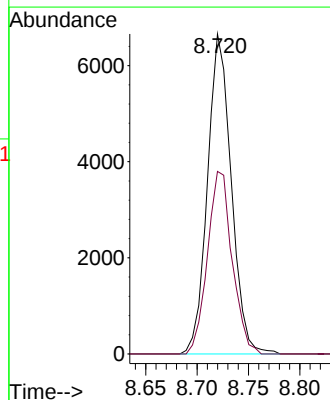
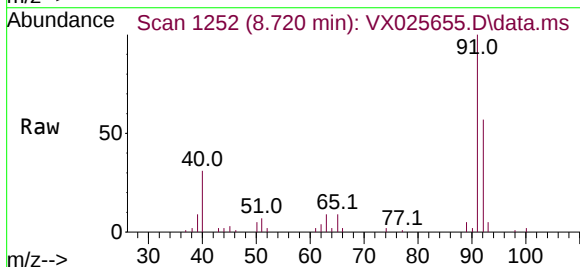
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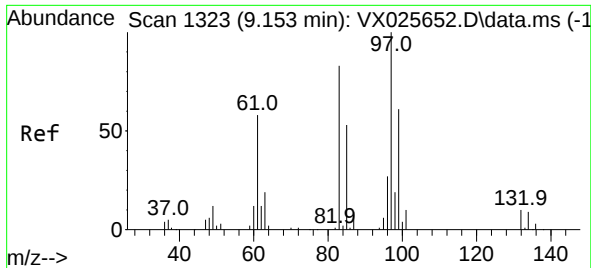
Tgt Ion: 91 Resp: 10713

Ion Ratio Lower Upper

91 100

92 57.0 41.2 76.6

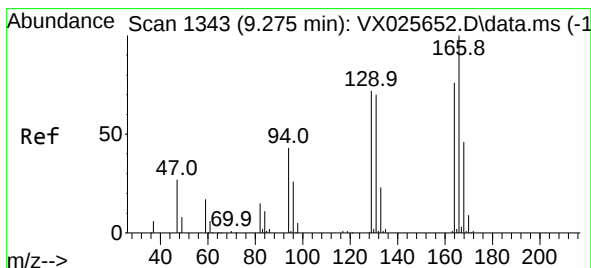
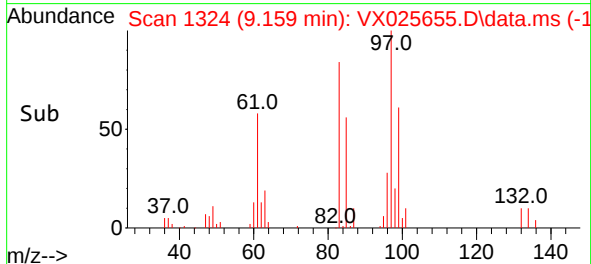
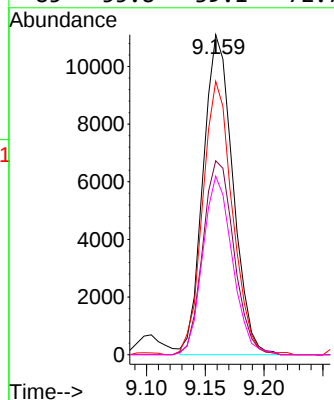
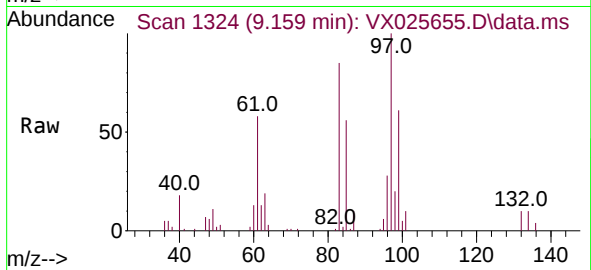




#45
1,1,2-Trichloroethane
Concen: 21.456 ug/L
RT: 9.159 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX025655.D
Acq: 09 Dec 2021 13:08

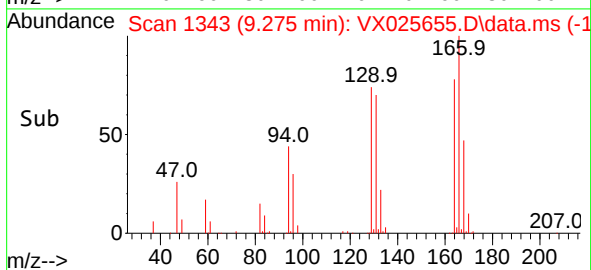
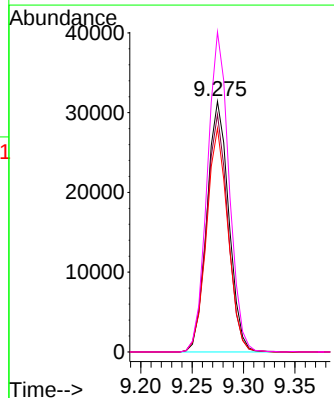
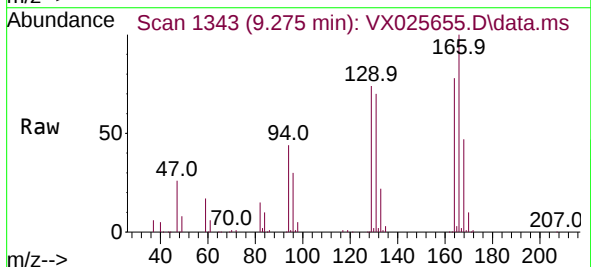
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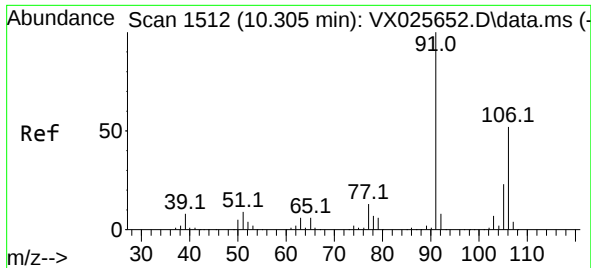
Tgt Ion: 97	Resp: 19566
Ion Ratio	Lower Upper
97 100	
99 60.6	46.0 85.4
83 85.4	59.6 110.8
85 55.8	39.1 72.7



#46
Tetrachloroethene
Concen: 60.856 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX025655.D
Acq: 09 Dec 2021 13:08

Tgt	Ion:164	Resp:	46507
Ion	Ratio	Lower	Upper
164	100		
129	94.8	64.7	120.1
131	89.3	63.2	117.4
166	127.7	90.1	167.3

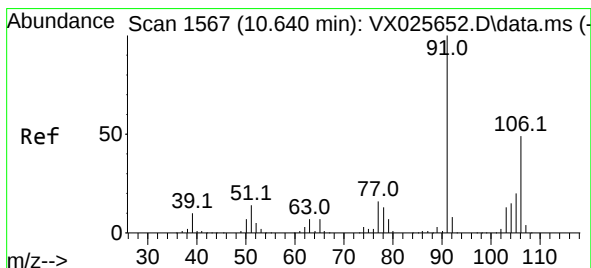
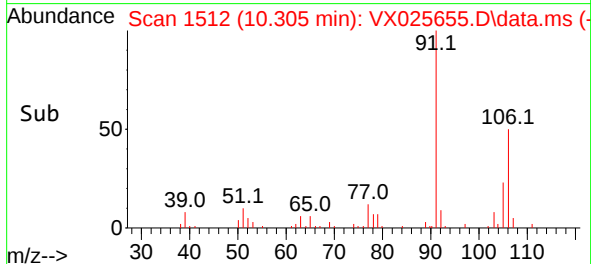
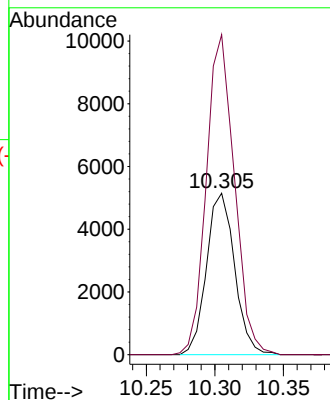
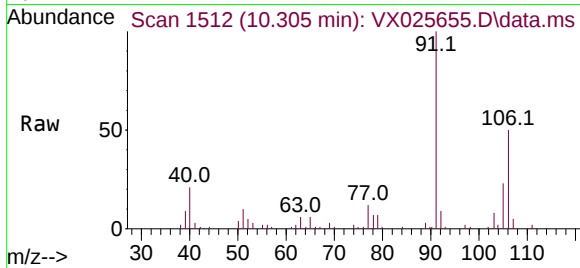




#53
m,p-Xylene
Concen: 4.470 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025655.D
Acq: 09 Dec 2021 13:08

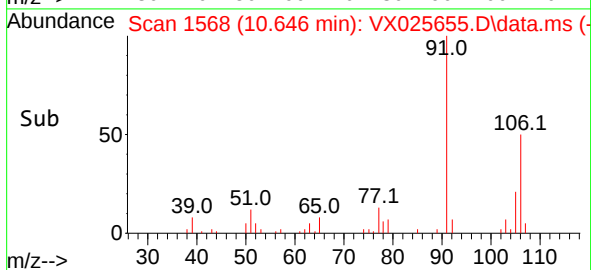
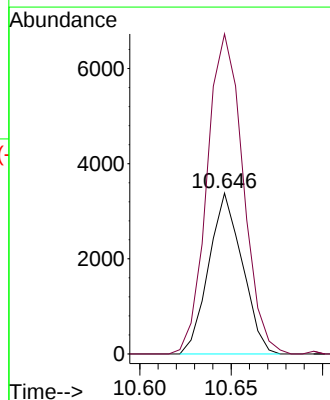
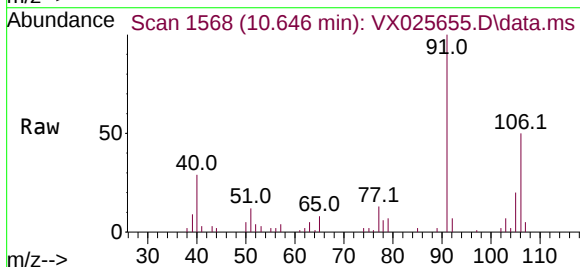
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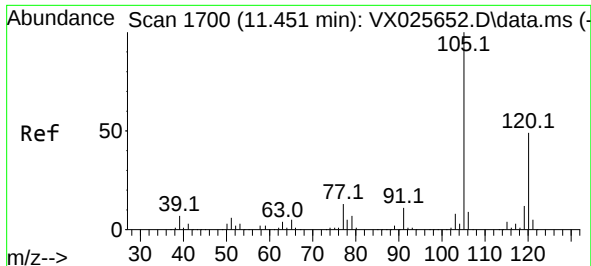
Tgt Ion:106 Resp: 7353
Ion Ratio Lower Upper
106 100
91 198.2 136.8 254.2



#54
o-Xylene
Concen: 2.627 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX025655.D
Acq: 09 Dec 2021 13:08

Tgt Ion:106 Resp: 4325
Ion Ratio Lower Upper
106 100
91 199.1 140.5 260.9





#62

1,3,5-Trimethylbenzene

Concen: 0.950 ug/L

RT: 11.457 min Scan# 1700

Delta R.T. 0.006 min

Lab File: VX025655.D

Acq: 09 Dec 2021 13:08

Instrument :

MSVOA_X

ClientSampleId :

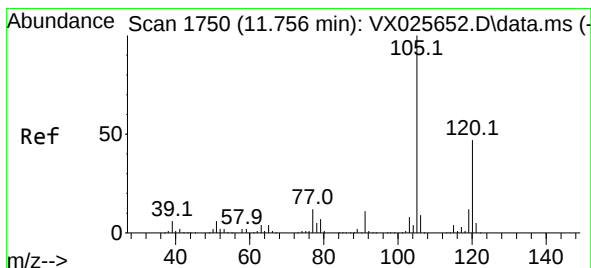
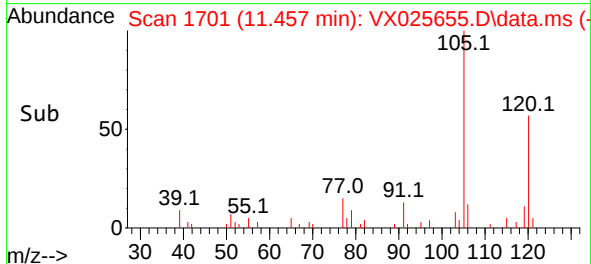
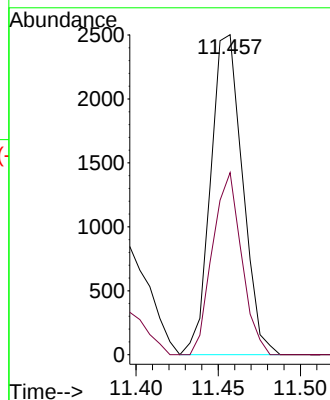
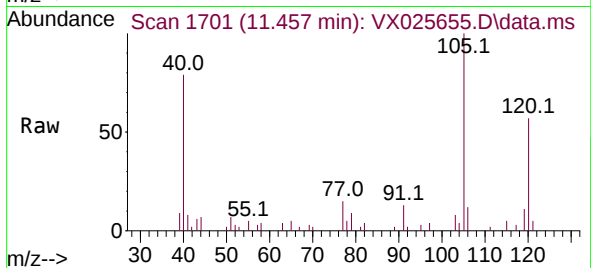
EW9K2ME

Tgt Ion:105 Resp: 3372

Ion Ratio Lower Upper

105 100

120 52.0 41.0 61.4



#63

1,2,4-Trimethylbenzene

Concen: 2.557 ug/L

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX025655.D

Acq: 09 Dec 2021 13:08

Tgt Ion:105 Resp: 9173

Ion Ratio Lower Upper

105 100

120 44.9 0.1 0.1#

