

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039955.D
 Acq On : 1 Dec 2022 23:34
 Operator : SY/MD
 Sample : N5826-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 H302022-INFLUENT

Quant Time: Dec 02 05:36:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 05:29:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.156	49	1037301	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.619	114	2975651	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.433	117	2640914	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	2039153	10.109	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%

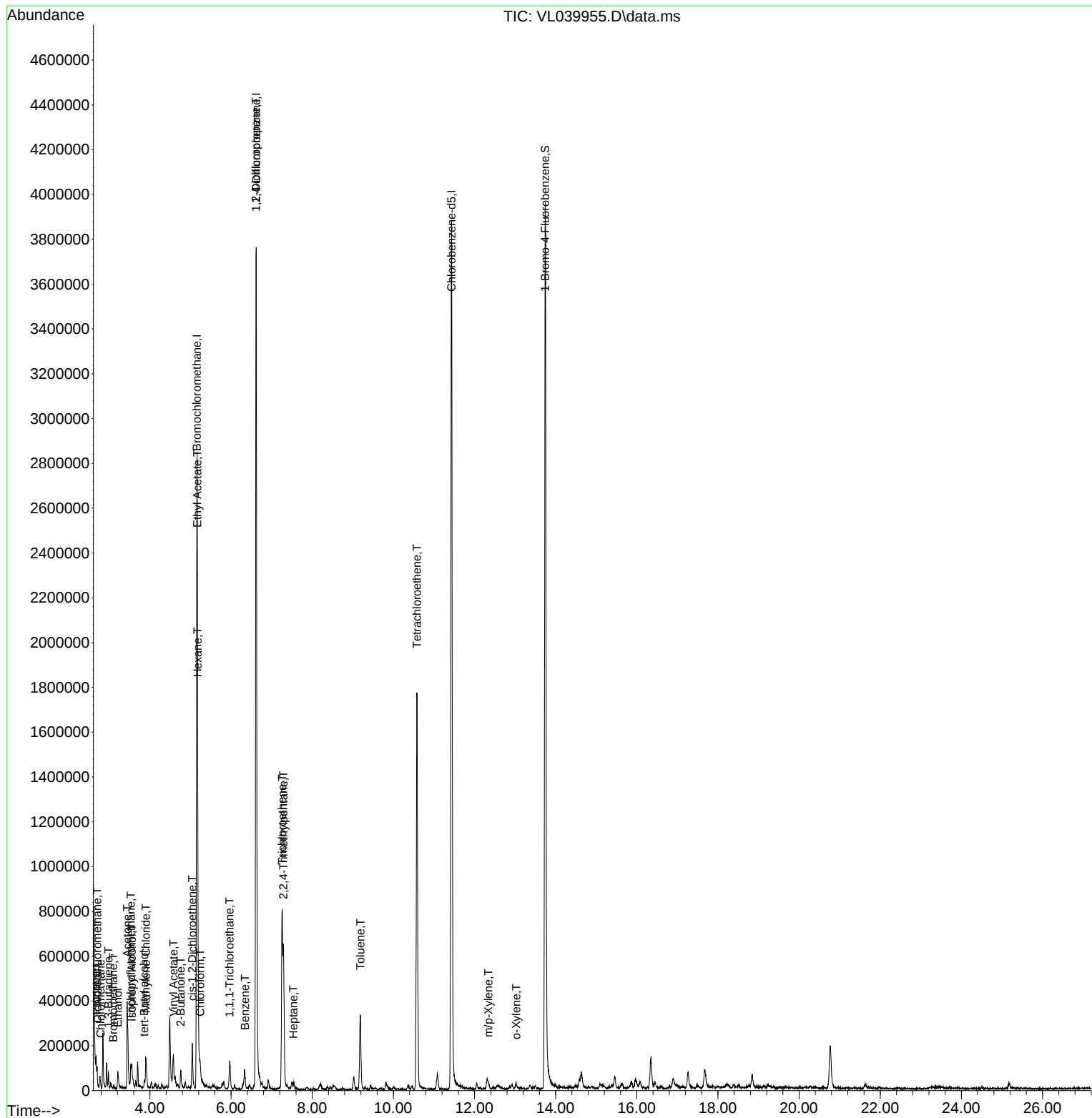
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.700	85	47268	0.318	ppbv	91
4) Chloromethane	2.787	50	13283	0.145	ppbv	89
6) Bromomethane	3.095	94	915	0.038	ppbv #	18
9) Propene	2.665	41	31705	0.470	ppbv	84
10) Heptane	7.536	43	5099	0.031	ppbv #	27
11) Trichlorofluoromethane	3.530	101	55811	0.308	ppbv	92
13) Ethanol	3.208	45	76035	14.770	ppbv	94
15) Acetone	3.439	43	381973	2.776	ppbv	98
16) 1,3-Butadiene	2.977	39	6167	0.090	ppbv #	8
17) tert-Butyl alcohol	3.861	59	19755	0.125	ppbv	96
19) Isopropyl Alcohol	3.552	45	76805	1.031	ppbv #	36
20) Methylene Chloride	3.899	84	42595	0.639	ppbv	92
23) Vinyl Acetate	4.584	43	61936	1.096	ppbv #	42
25) Ethyl Acetate	5.169	43	1185139	4.692	ppbv #	90
26) Hexane	5.176	57	38160	0.346	ppbv #	1
29) Chloroform	5.237	83	29243	0.199	ppbv	99
31) cis-1,2-Dichloroethene	5.047	61	110558	1.084	ppbv	98
32) 1,1,1-Trichloroethane	5.964	97	29821	0.163	ppbv #	21
34) 2-Butanone	4.758	43	92238	0.648	ppbv	96
36) Benzene	6.343	78	19589	0.077	ppbv #	81
38) Trichloroethene	7.259	130	236659	1.674	ppbv	97
39) 1,2-Dichloropropane	6.616	63	701386	7.118	ppbv #	25
44) 2,2,4-Trimethylpentane	7.288	57	604930	1.433	ppbv	98
52) Tetrachloroethene	10.581	164	442599	4.678	ppbv	92
53) Toluene	9.185	91	171275	0.594	ppbv	98
59) m/p-Xylene	12.339	91	11883	0.040	ppbv #	30
60) o-Xylene	13.031	91	12084	0.042	ppbv #	51

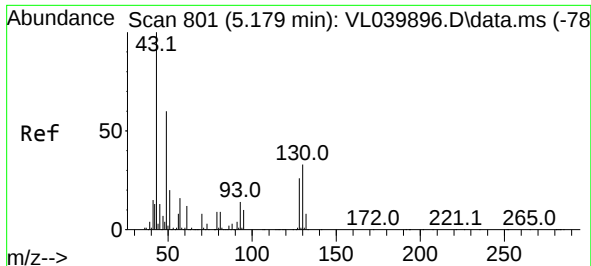
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL039955.D
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H302022-INFLUENT

Quant Time: Dec 02 05:36:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

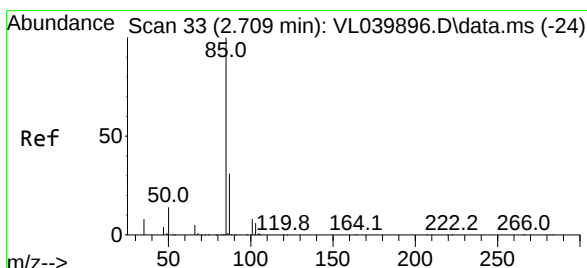
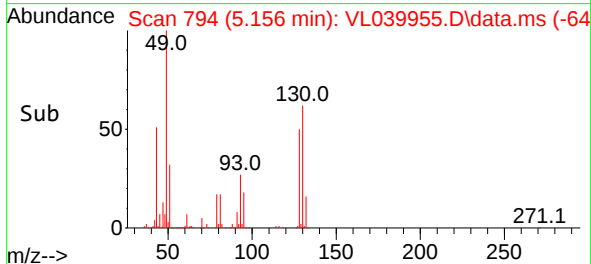
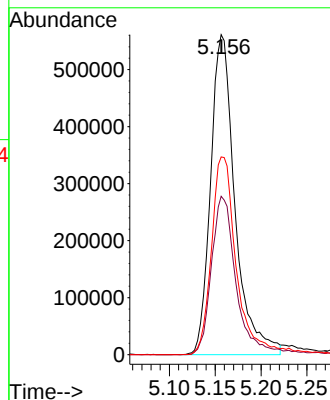
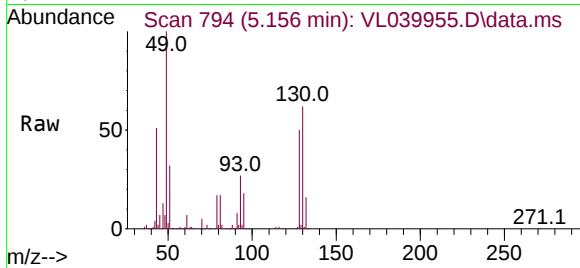




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.156 min Scan# 79
 Delta R.T. -0.017 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

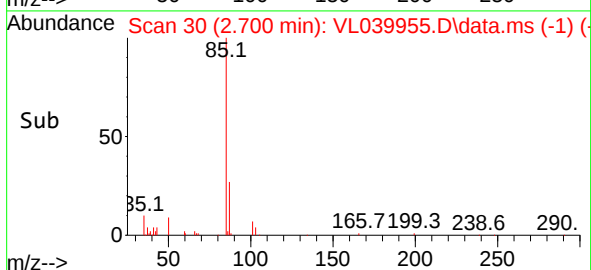
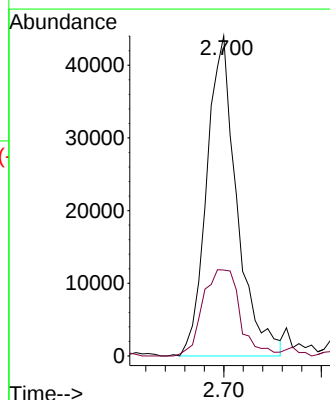
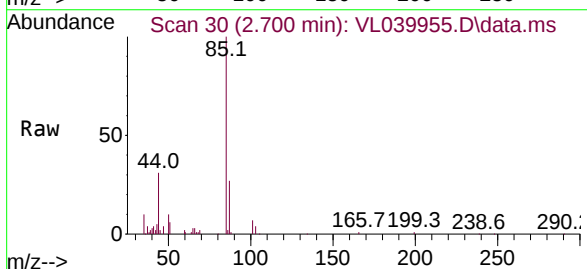
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 ClientSampleId :
 H302022-INFLUENT

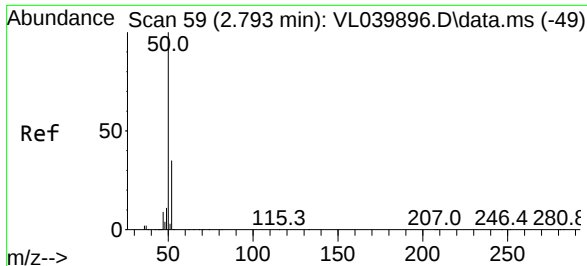
Tgt Ion: 49 Resp: 1037301
 Ion Ratio Lower Upper
 49 100
 128 51.0 22.1 66.3
 130 65.4 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.318 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

Tgt Ion: 85 Resp: 47268
 Ion Ratio Lower Upper
 85 100
 87 26.3 25.0 37.4

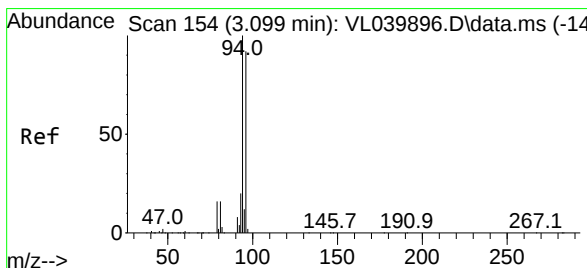
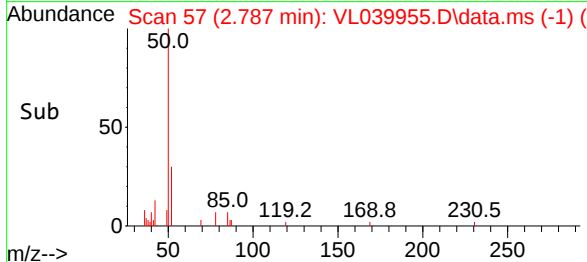
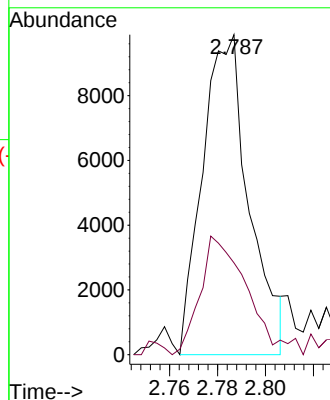
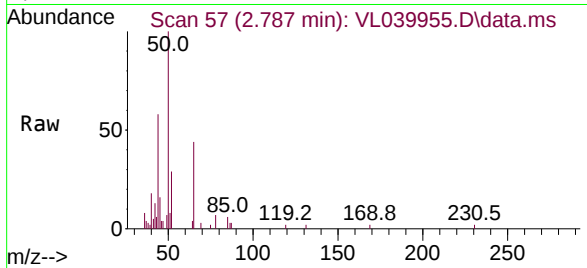




#4
Chloromethane
Concen: 0.145 ppbv
RT: 2.787 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

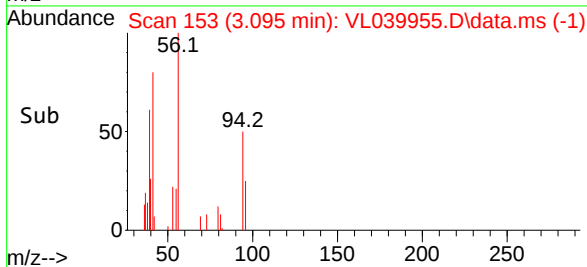
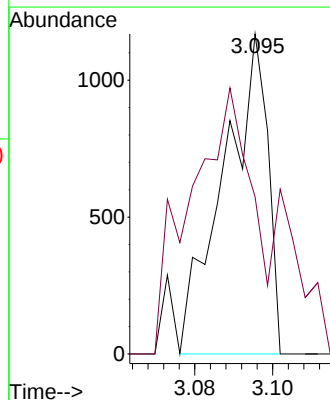
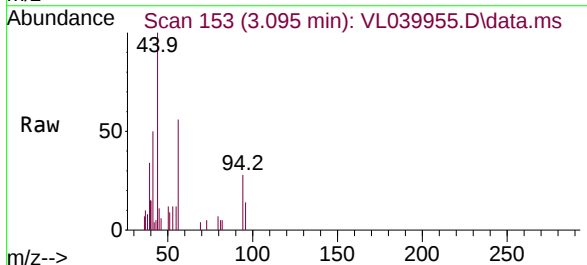
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ClientSampleId :
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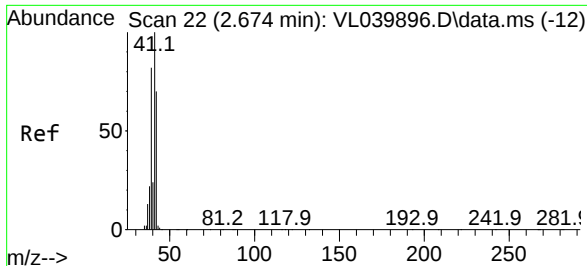
Tgt Ion: 50 Resp: 13283
Ion Ratio Lower Upper
50 100
52 28.3 27.8 41.8



#6
Bromomethane
Concen: 0.038 ppbv
RT: 3.095 min Scan# 153
Delta R.T. -0.003 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

Tgt Ion: 94 Resp: 915
Ion Ratio Lower Upper
94 100
96 14.3 73.7 110.5#

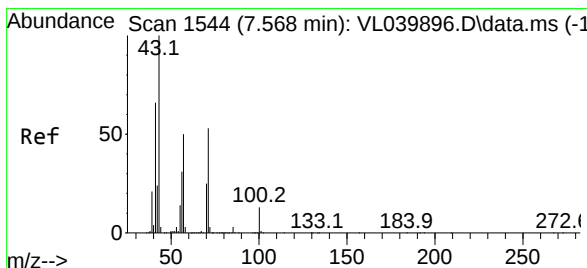
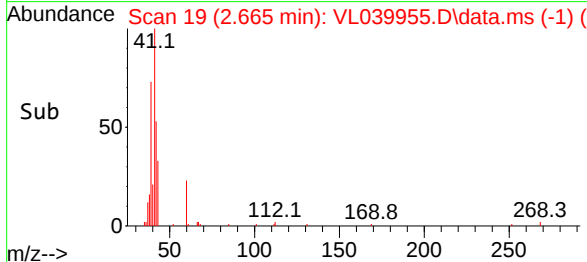
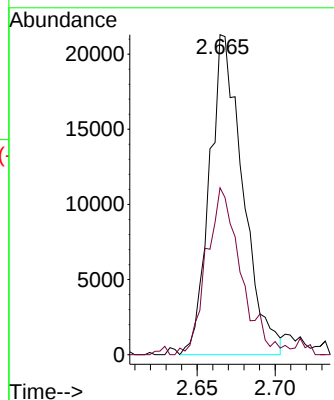
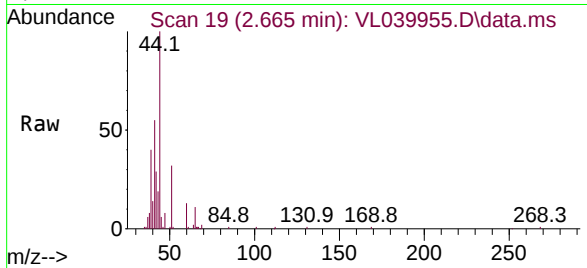




#9
 Propene
 Concen: 0.470 ppbv
 RT: 2.665 min Scan# 19
 Delta R.T. -0.006 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

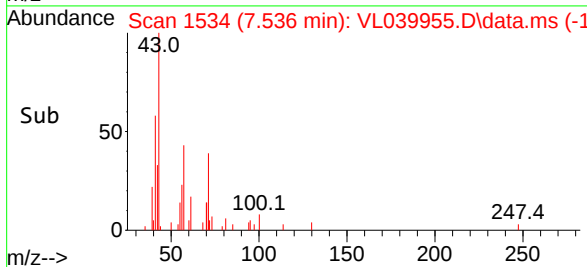
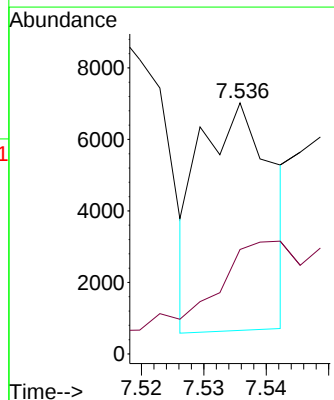
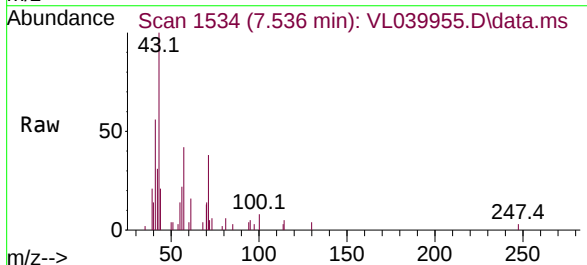
Instrument :
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 ClientSampleId :
 H302022-INFLUENT

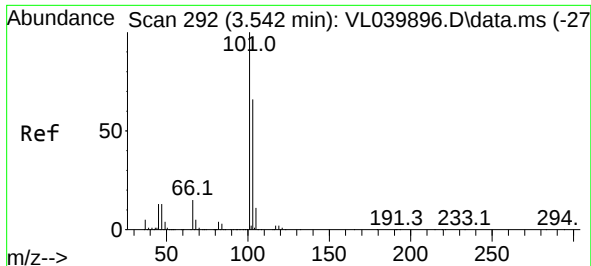
Tgt Ion: 41 Resp: 31705
 Ion Ratio Lower Upper
 41 100
 42 56.6 55.8 83.6



#10
 Heptane
 Concen: 0.031 ppbv
 RT: 7.536 min Scan# 1534
 Delta R.T. -0.029 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

Tgt Ion: 43 Resp: 5099
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.7 61.1

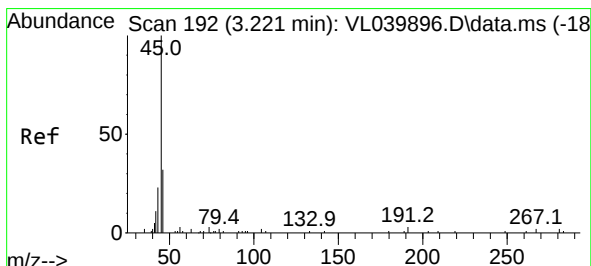
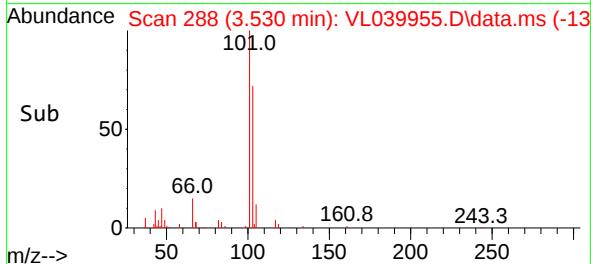
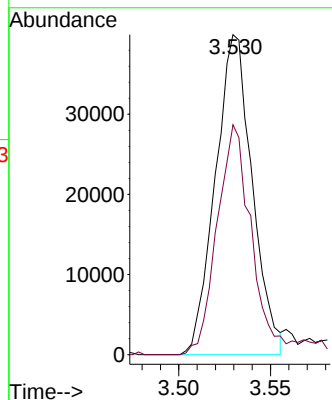
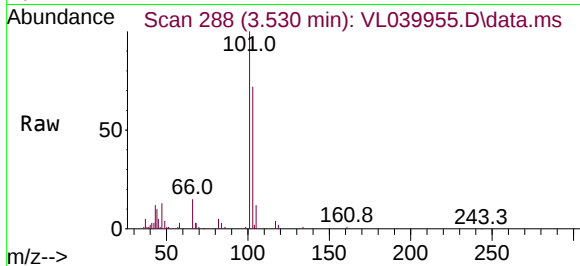




#11
 Trichlorofluoromethane
 Concen: 0.308 ppbv
 RT: 3.530 min Scan# 211
 Delta R.T. -0.013 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

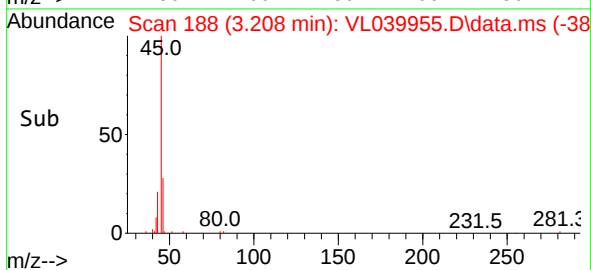
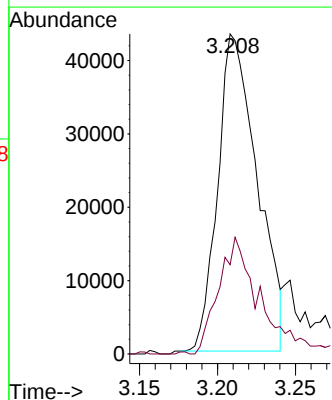
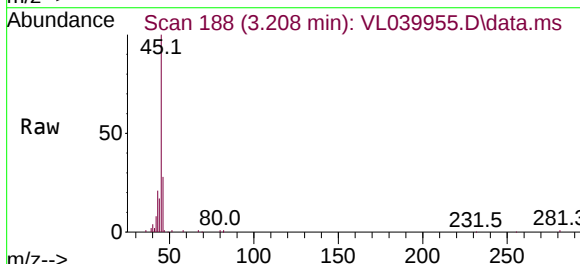
Instrument :
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 ClientSampleId :
 H302022-INFLUENT

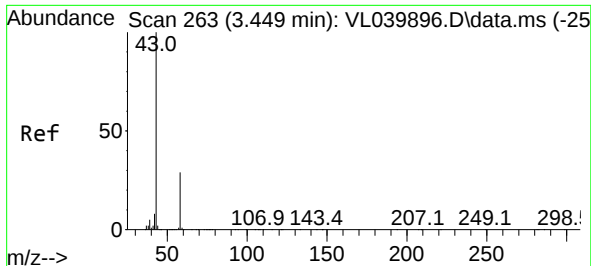
Tgt Ion:101 Resp: 55811
 Ion Ratio Lower Upper
 101 100
 103 71.8 52.6 78.8



#13
 Ethanol
 Concen: 14.770 ppbv
 RT: 3.208 min Scan# 188
 Delta R.T. -0.019 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

Tgt Ion: 45 Resp: 76035
 Ion Ratio Lower Upper
 45 100
 46 39.7 14.6 58.2

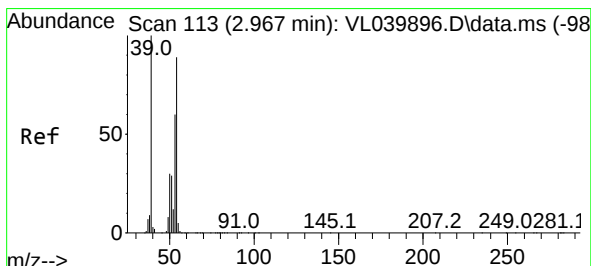
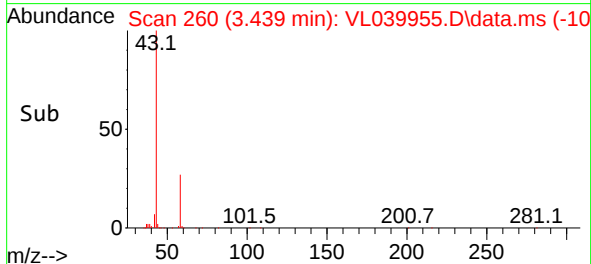
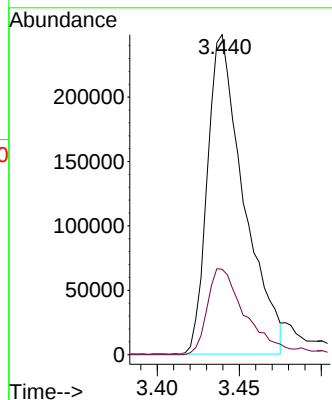
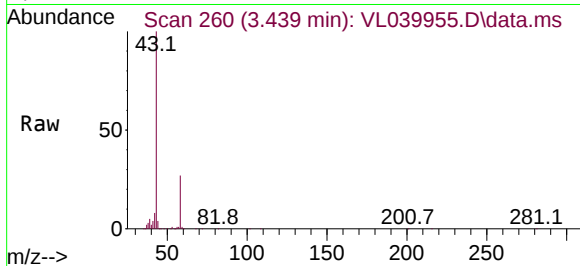




#15
Acetone
Concen: 2.776 ppbv
RT: 3.439 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

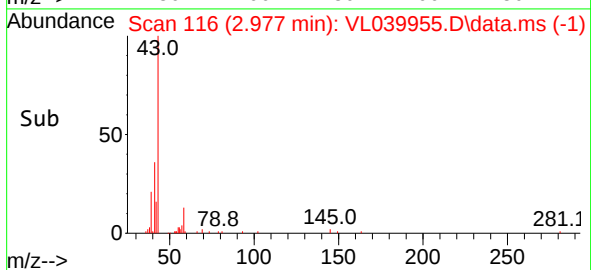
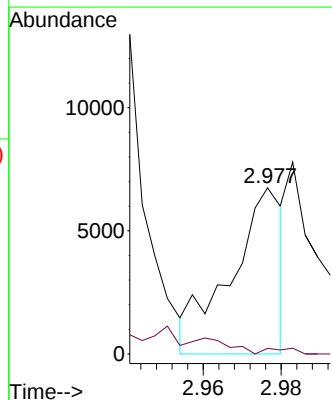
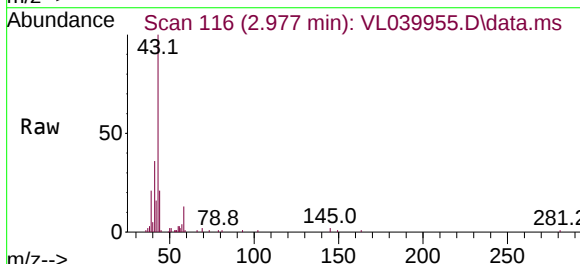
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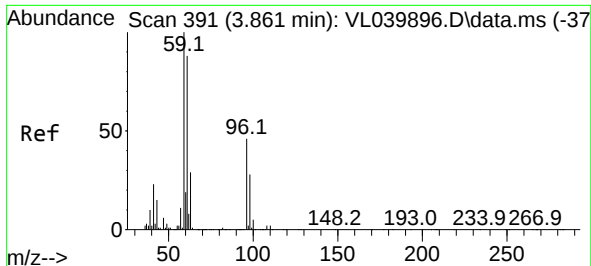
Tgt Ion: 43 Resp: 381973
Ion Ratio Lower Upper
43 100
58 29.8 22.9 34.3



#16
1,3-Butadiene
Concen: 0.090 ppbv
RT: 2.977 min Scan# 116
Delta R.T. 0.013 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

Tgt Ion: 39 Resp: 6167
Ion Ratio Lower Upper
39 100
54 0.0 66.6 99.8#





#17

tert-Butyl alcohol

Concen: 0.125 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.003 min

Lab File: VL039955.D

Acq: 1 Dec 2022 23:34

Instrument :

MSVOA_L

ClientSampleId :

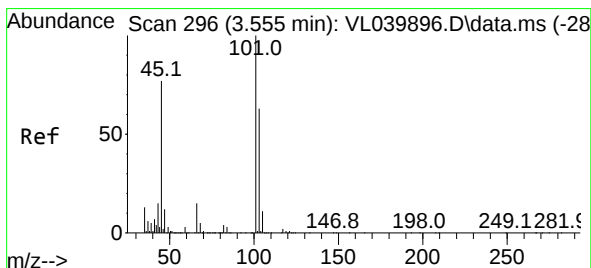
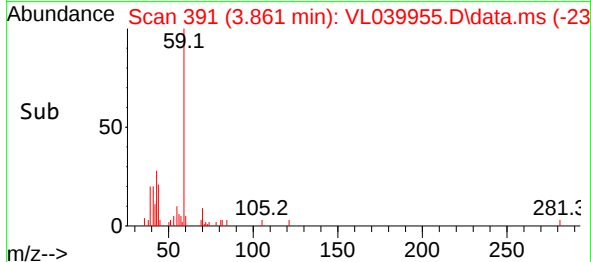
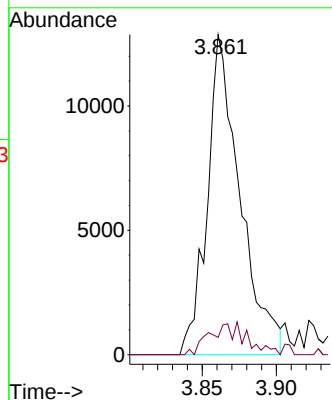
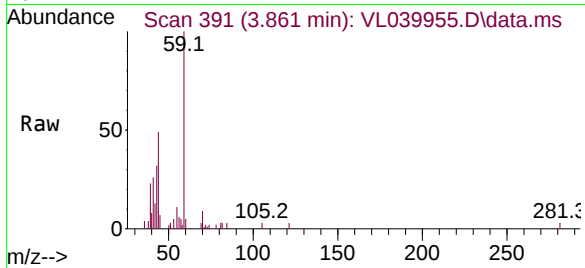
H302022-INFLUENT

Tgt Ion: 59 Resp: 19755

Ion Ratio Lower Upper

59 100

57 11.9 8.3 12.5



#19

Isopropyl Alcohol

Concen: 1.031 ppbv

RT: 3.552 min Scan# 295

Delta R.T. -0.003 min

Lab File: VL039955.D

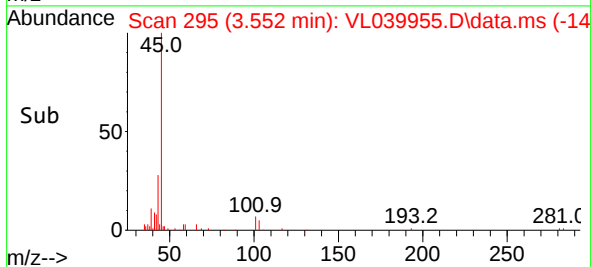
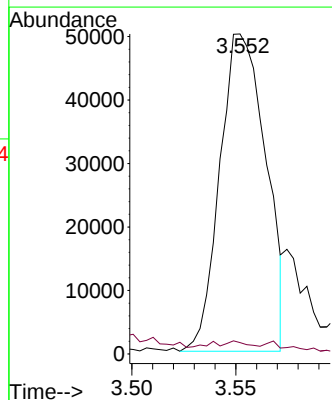
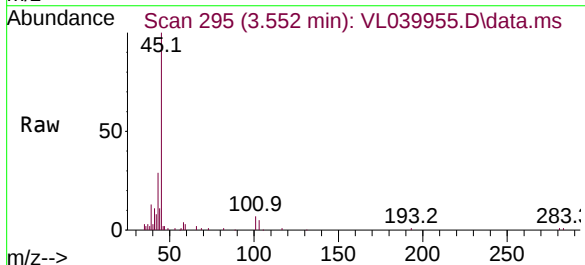
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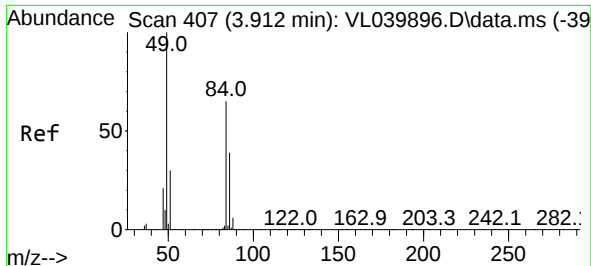
Tgt Ion: 45 Resp: 76805

Ion Ratio Lower Upper

45 100

58 5.0 38.7 58.1#





#20

Methylene Chloride

Concen: 0.639 ppbv

RT: 3.899 min Scan# 407

Delta R.T. -0.013 min

Lab File: VL039955.D

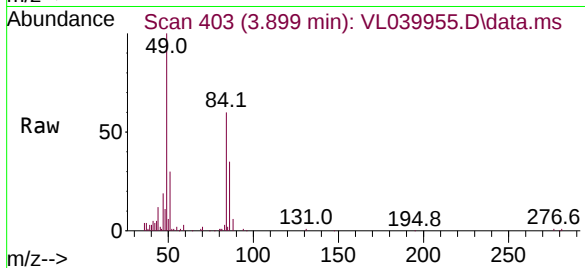
Acq: 1 Dec 2022 23:34

Instrument :

MSVOA_L

ClientSampleId :

H302022-INFLUENT



Tgt Ion: 84 Resp: 42595

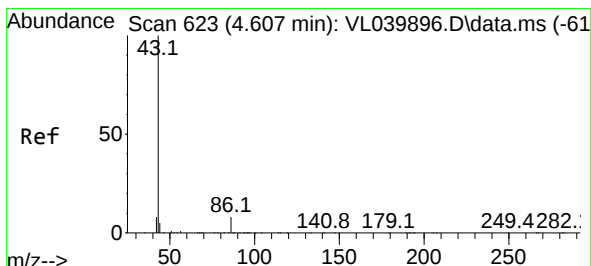
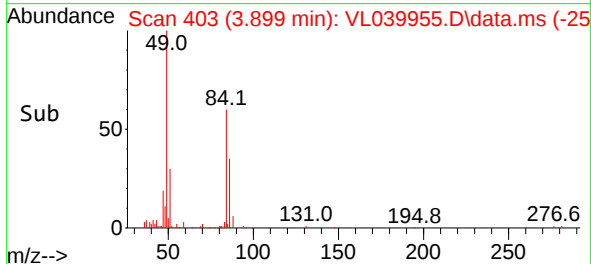
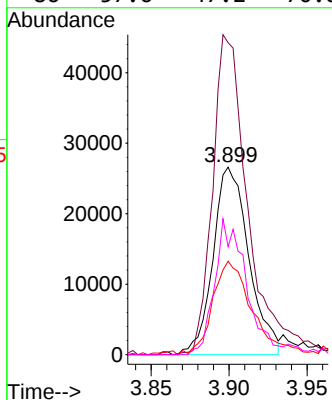
Ion Ratio Lower Upper

84 100

49 165.7 122.2 183.4

51 49.8 36.3 54.5

86 57.6 47.2 70.8



#23

Vinyl Acetate

Concen: 1.096 ppbv

RT: 4.584 min Scan# 616

Delta R.T. -0.022 min

Lab File: VL039955.D

Acq: 1 Dec 2022 23:34

Tgt Ion: 43 Resp: 61936

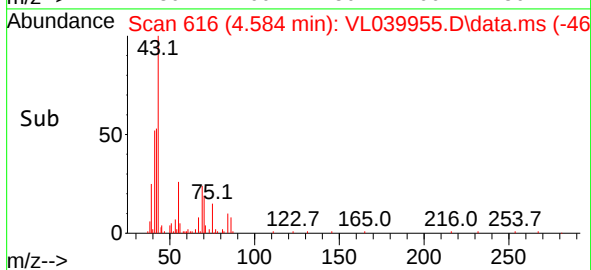
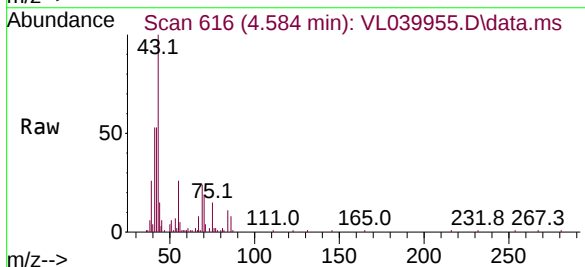
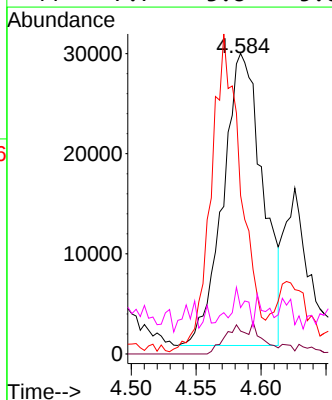
Ion Ratio Lower Upper

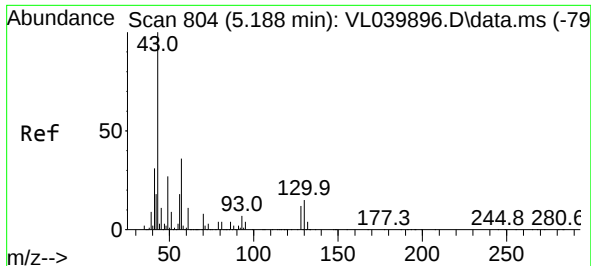
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86 7.8 5.0 7.4#

42 52.0 7.6 11.4#

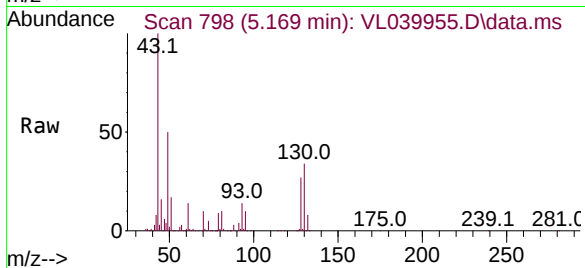
44 7.7 3.8 5.6#





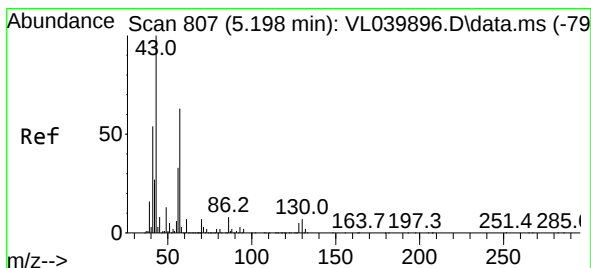
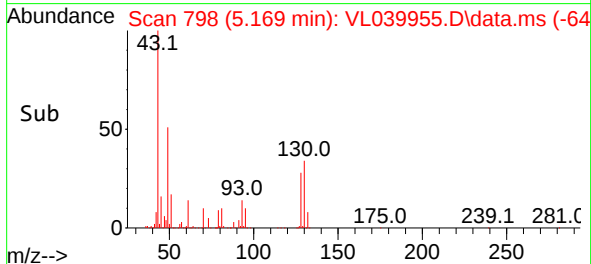
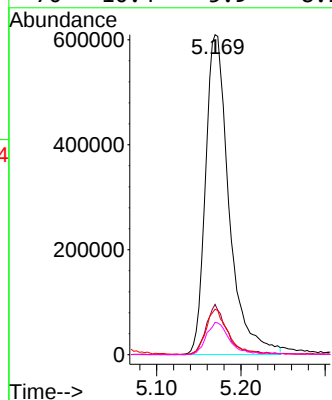
#25
Ethyl Acetate
Concen: 4.692 ppbv
RT: 5.169 min Scan# 79
Delta R.T. -0.016 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

Instrument :
MSVOA_L
ClientSampleId :
H302022-INFLUENT



Tgt Ion: 43 Resp: 1185139

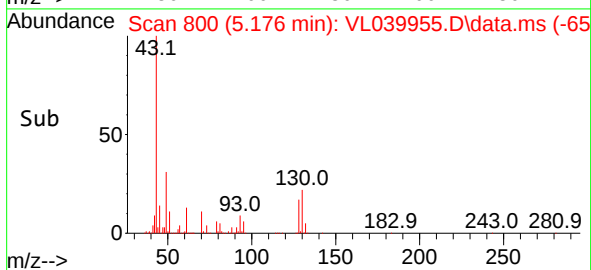
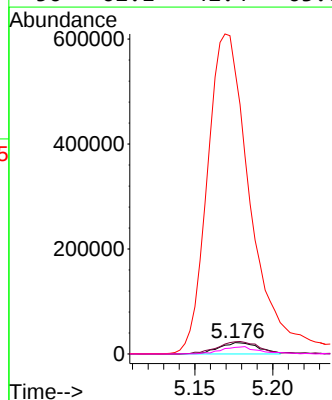
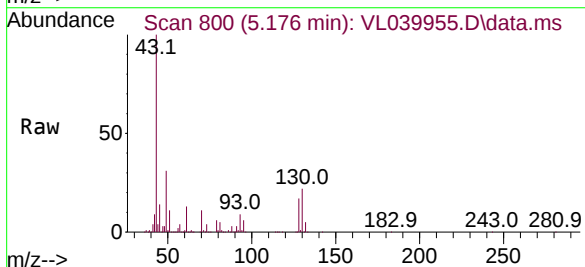
Ion	Ratio	Lower	Upper
43	100		
45	14.7	8.4	12.6#
61	14.1	8.5	12.7#
70	10.4	5.9	8.9#

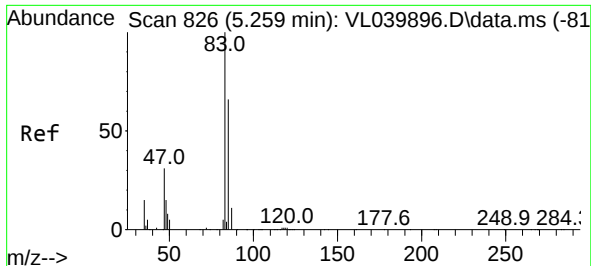


#26
Hexane
Concen: 0.346 ppbv
RT: 5.176 min Scan# 800
Delta R.T. -0.019 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

Tgt Ion: 57 Resp: 38160

Ion	Ratio	Lower	Upper
57	100		
41	122.7	72.3	108.5#
43	3171.0	188.7	283.1#
56	62.1	42.4	63.6

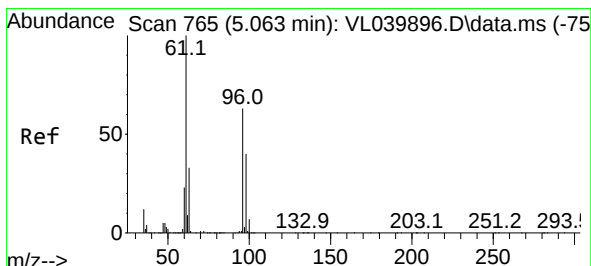
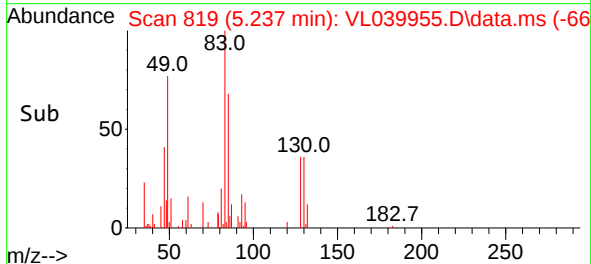
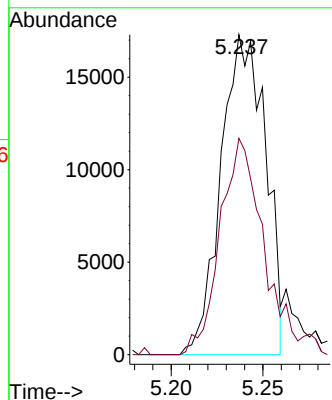
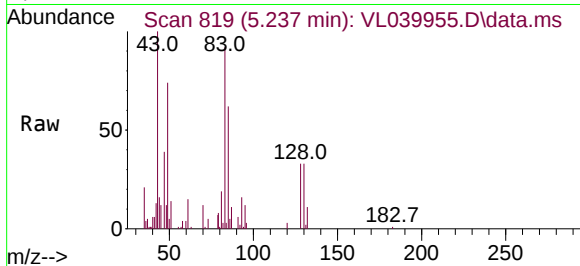




#29
Chloroform
Concen: 0.199 ppbv
RT: 5.237 min Scan# 81
Delta R.T. -0.019 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

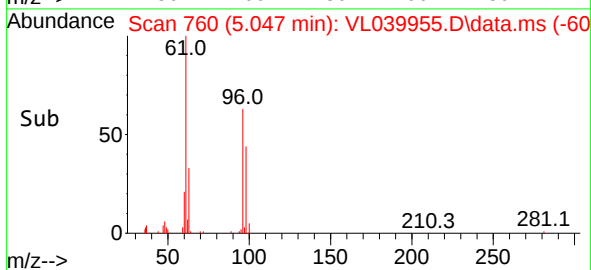
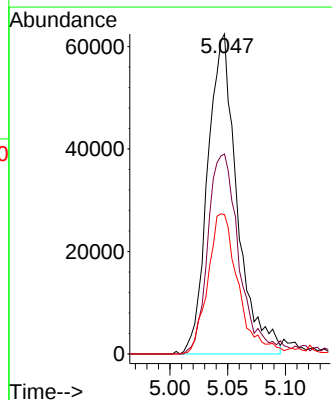
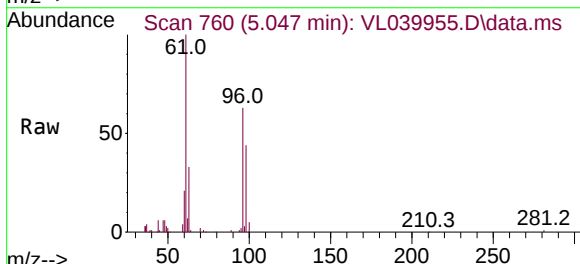
Instrument :
MSVOA_L
ClientSampleId :
H302022-INFLUENT

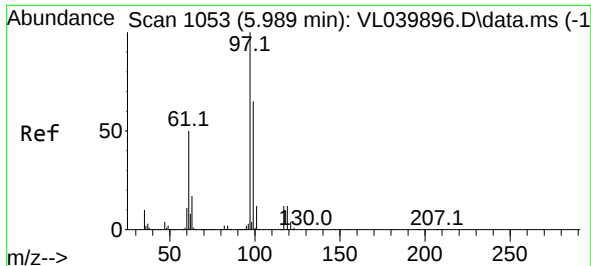
Tgt Ion: 83 Resp: 29243
Ion Ratio Lower Upper
83 100
85 66.6 52.4 78.6



#31
cis-1,2-Dichloroethene
Concen: 1.084 ppbv
RT: 5.047 min Scan# 760
Delta R.T. -0.010 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

Tgt Ion: 61 Resp: 110558
Ion Ratio Lower Upper
61 100
96 62.5 50.3 75.5
98 43.6 32.2 48.2

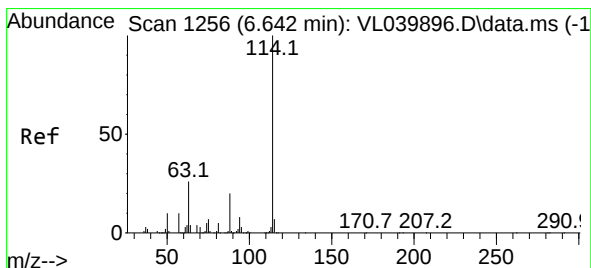
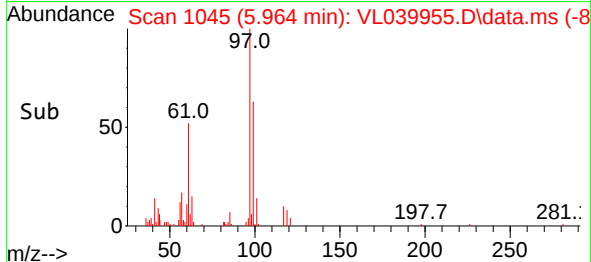
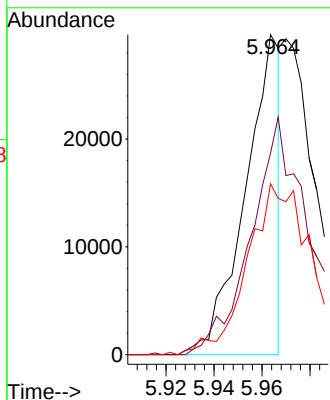
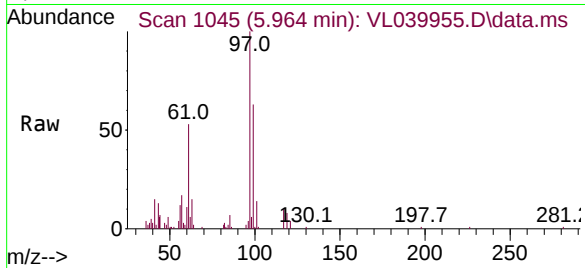




#32
 1,1,1-Trichloroethane
 Concen: 0.163 ppbv
 RT: 5.964 min Scan# 1045
 Delta R.T. -0.019 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

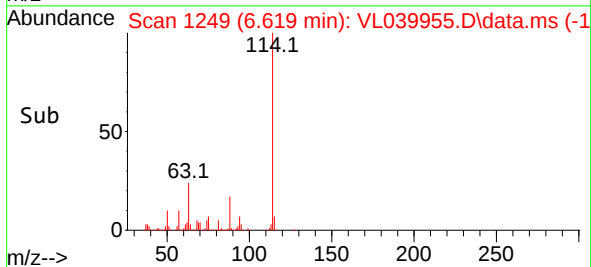
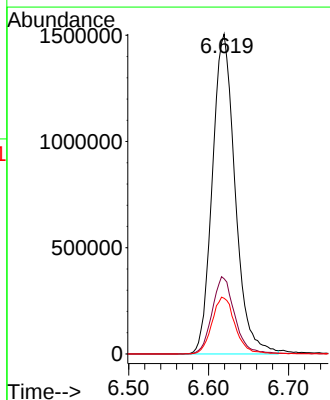
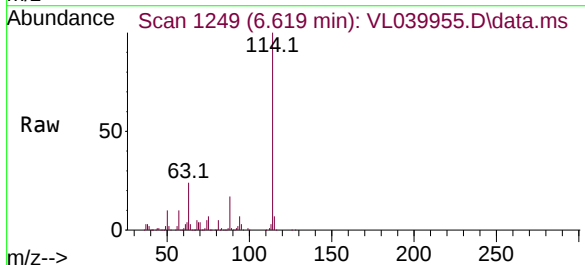
Instrument :
 MSVOA_1
 ClientSampleId :
 H302022-INFLUENT

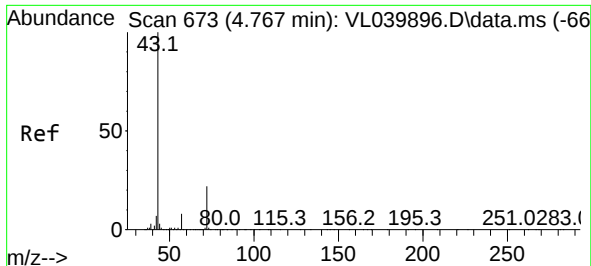
Tgt Ion: 97 Resp: 29821
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.4 77.0#
 61 103.3 40.7 61.1#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.619 min Scan# 1249
 Delta R.T. -0.016 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

Tgt Ion: 114 Resp: 2975651
 Ion Ratio Lower Upper
 114 100
 63 24.2 21.4 32.0
 88 18.1 15.3 22.9

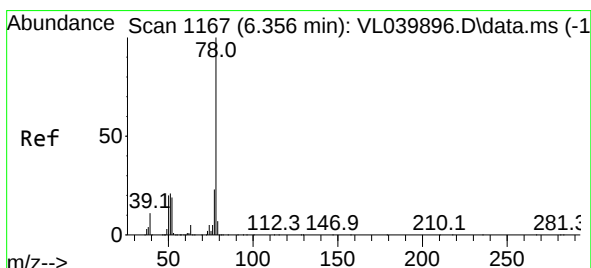
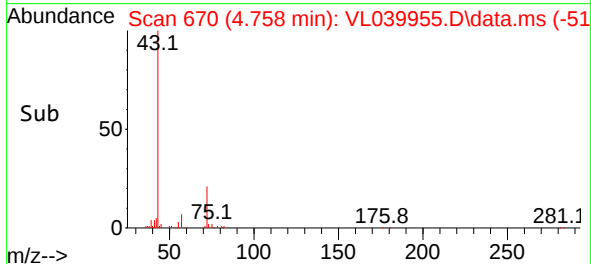
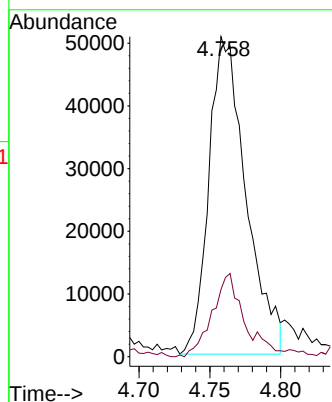
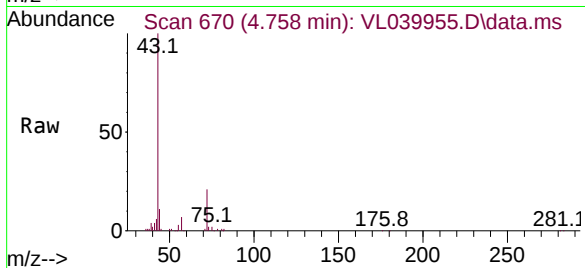




#34
2-Butanone
Concen: 0.648 ppbv
RT: 4.758 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

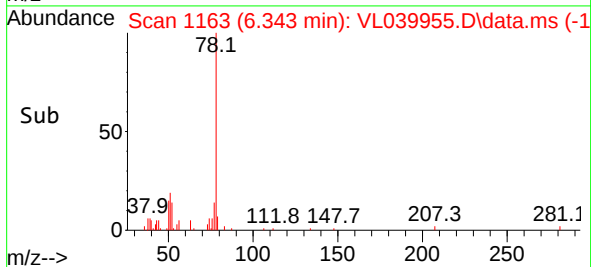
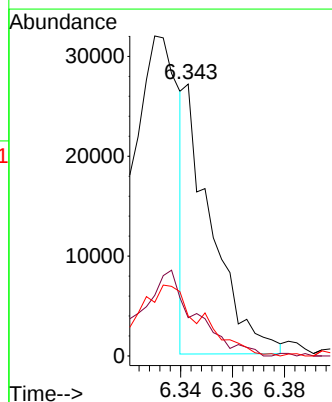
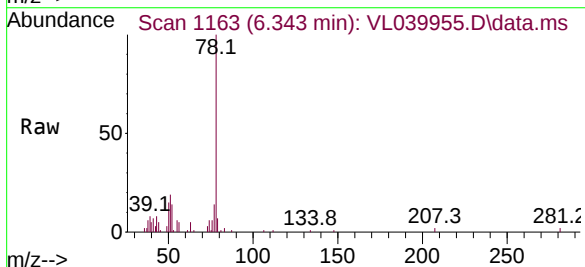
Instrument :
MSVOA_L
ClientSampleId :
H302022-INFLUENT

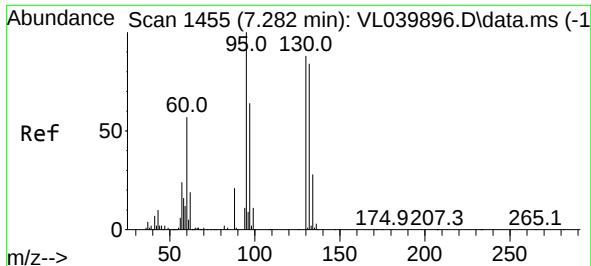
Tgt Ion: 43 Resp: 92238
Ion Ratio Lower Upper
43 100
72 23.7 17.4 26.2



#36
Benzene
Concen: 0.077 ppbv
RT: 6.343 min Scan# 1163
Delta R.T. -0.010 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

Tgt Ion: 78 Resp: 19589
Ion Ratio Lower Upper
78 100
77 11.7 18.2 27.2#
50 13.5 15.8 23.8#

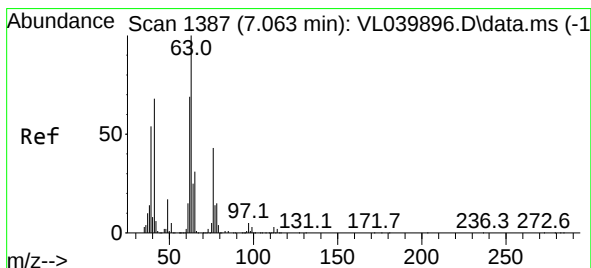
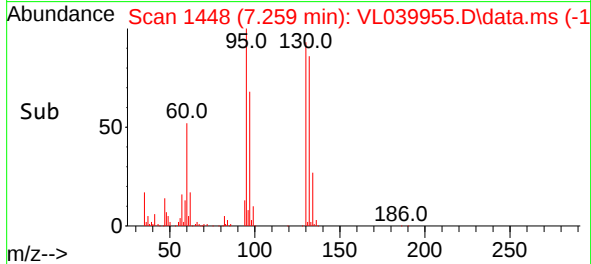
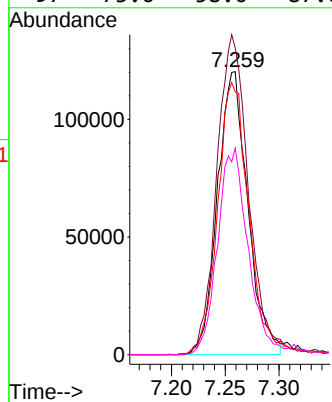
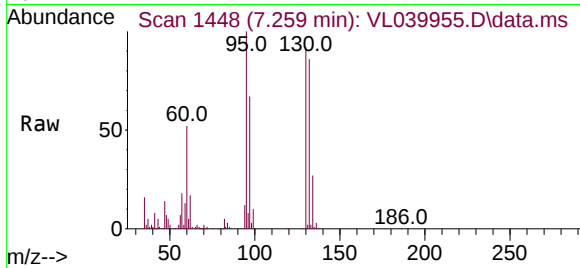




#38
 Trichloroethene
 Concen: 1.674 ppbv
 RT: 7.259 min Scan# 1455
 Delta R.T. -0.016 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

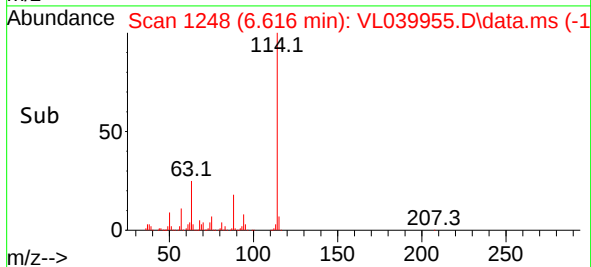
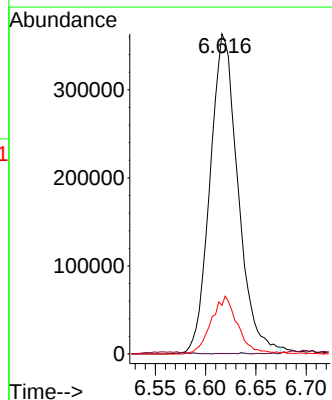
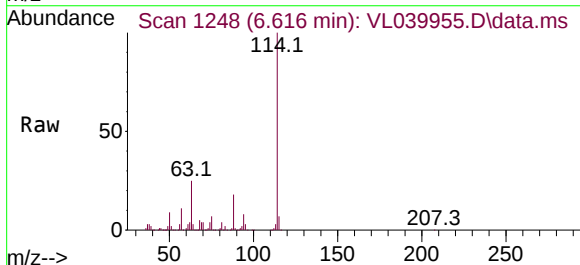
Instrument :
 MSVOA_L
 ClientSampleId :
 H302022-INFLUENT

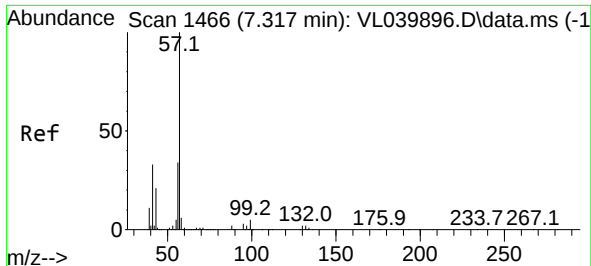
Tgt	Ion:130	Resp:	236659
Ion	Ratio	Lower	Upper
130	100		
95	108.0	90.6	135.8
132	92.6	76.2	114.4
97	73.0	58.0	87.0



#39
 1,2-Dichloropropane
 Concen: 7.118 ppbv
 RT: 6.616 min Scan# 1248
 Delta R.T. -0.440 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

Tgt Ion: 63	Resp: 701386
Ion Ratio	Lower Upper
63 100	
41 0.0	54.7 82.1#
62 15.2	55.0 82.6#





#44

2,2,4-Trimethylpentane

Concen: 1.433 ppbv

RT: 7.288 min Scan# 1466

Delta R.T. -0.022 min

Lab File: VL039955.D

Acq: 1 Dec 2022 23:34

Instrument :

MSVOA_L

ClientSampleId :

H302022-INFLUENT

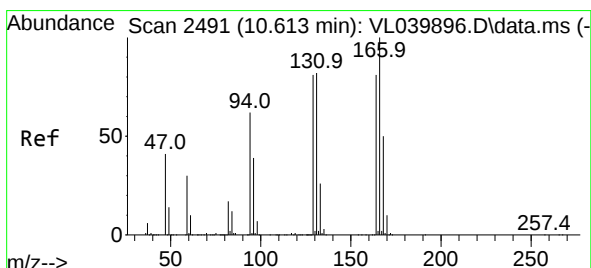
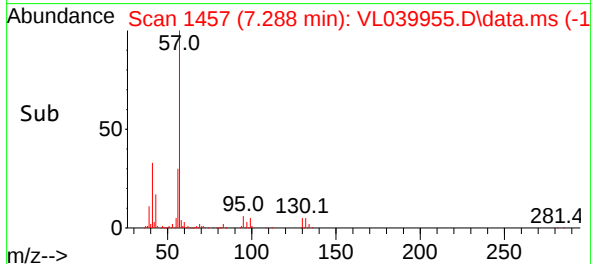
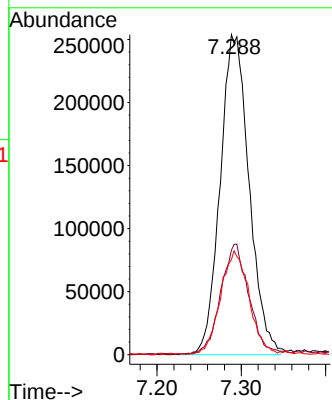
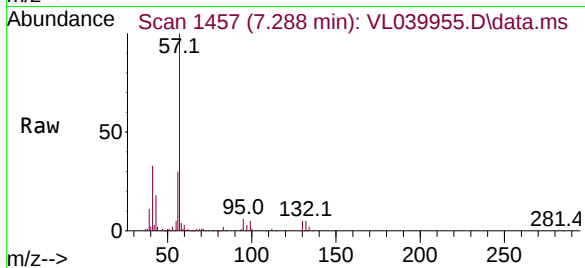
Tgt Ion: 57 Resp: 604930

Ion Ratio Lower Upper

57 100

41 33.5 26.2 39.2

56 33.0 25.5 38.3



#52

Tetrachloroethene

Concen: 4.678 ppbv

RT: 10.581 min Scan# 2481

Delta R.T. -0.022 min

Lab File: VL039955.D

Acq: 1 Dec 2022 23:34

Tgt Ion: 164 Resp: 442599

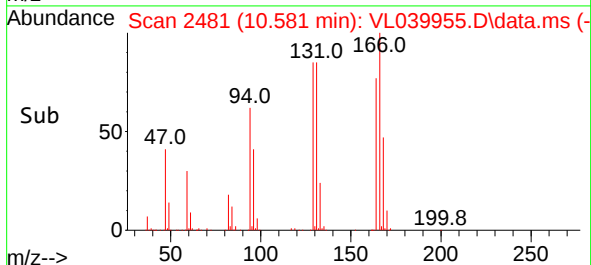
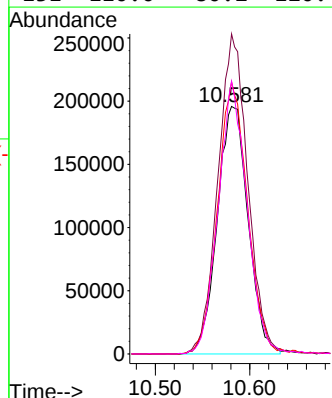
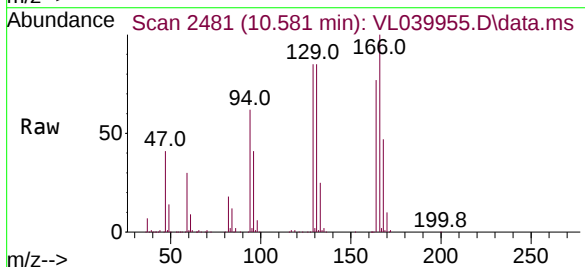
Ion Ratio Lower Upper

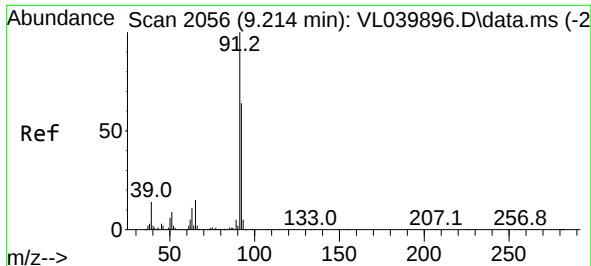
164 100

166 129.3 98.3 147.5

129 109.8 79.7 119.5

131 110.0 80.2 120.4

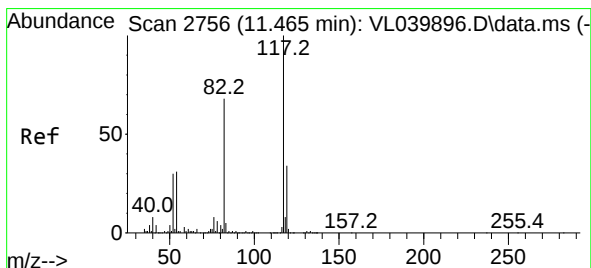
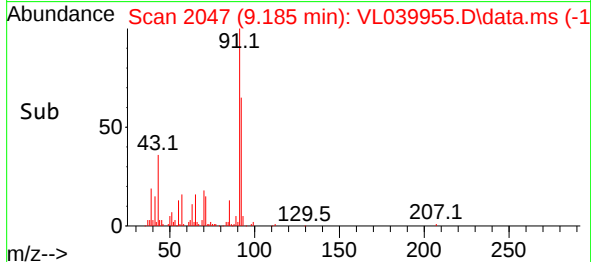
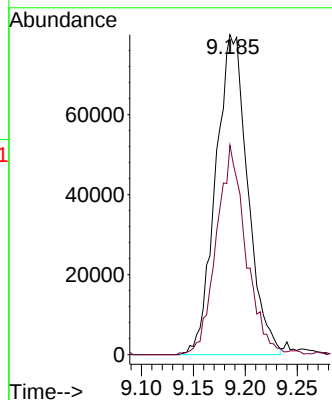
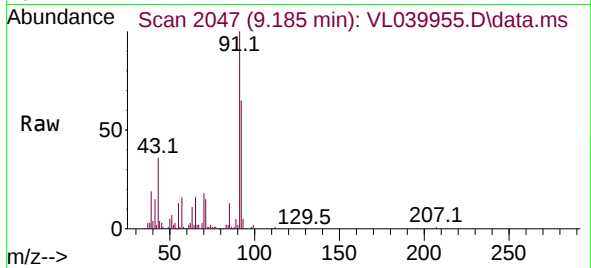




#53
Toluene
Concen: 0.594 ppbv
RT: 9.185 min Scan# 2056
Delta R.T. -0.019 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

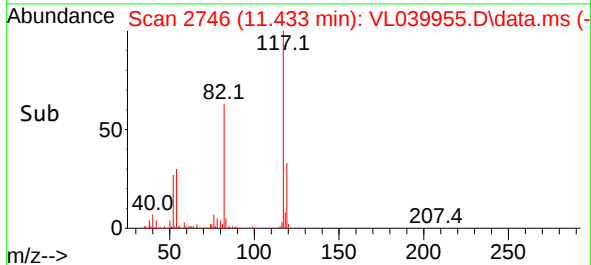
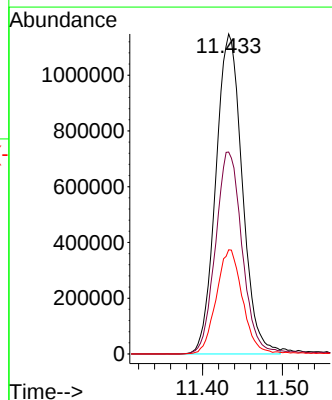
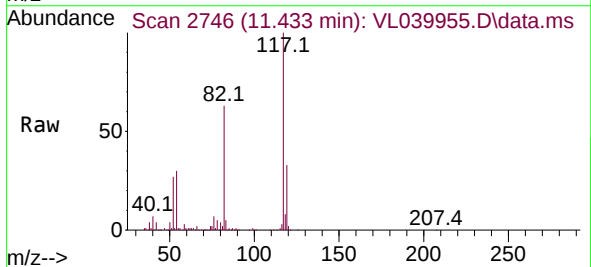
Instrument :
MSVOA_L
ClientSampleId :
H302022-INFLUENT

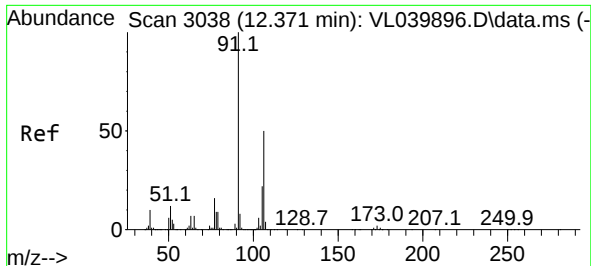
Tgt Ion: 91 Resp: 171275
Ion Ratio Lower Upper
91 100
92 60.9 49.8 74.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 2746
Delta R.T. -0.019 min
Lab File: VL039955.D
Acq: 1 Dec 2022 23:34

Tgt Ion: 117 Resp: 2640914
Ion Ratio Lower Upper
117 100
82 64.4 52.3 78.5
119 32.7 25.7 38.5





#59

m/p-Xylene

Concen: 0.040 ppbv

RT: 12.339 min Scan# 3038

Delta R.T. -0.019 min

Lab File: VL039955.D

Acq: 1 Dec 2022 23:34

Instrument :

MSVOA_L

ClientSampleId :

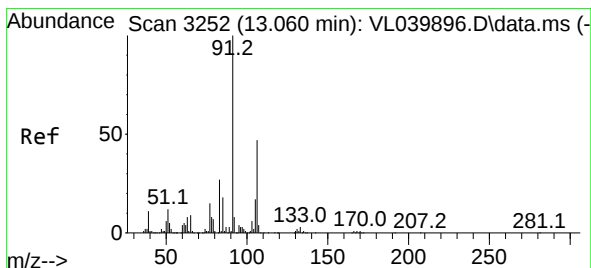
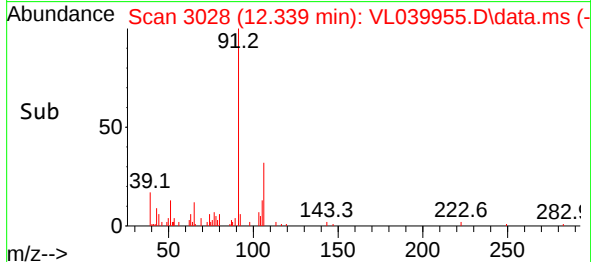
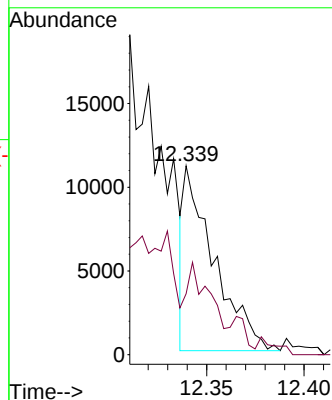
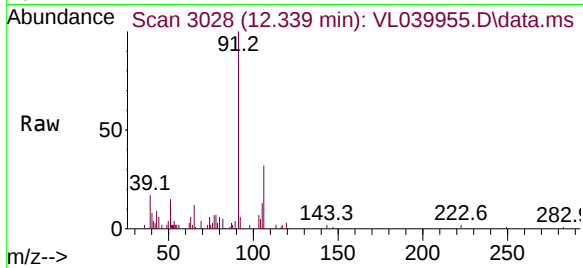
H302022-INFLUENT

Tgt Ion: 91 Resp: 11883

Ion Ratio Lower Upper

91 100

106 0.0 37.0 55.6#



#60

o-Xylene

Concen: 0.042 ppbv

RT: 13.031 min Scan# 3243

Delta R.T. -0.016 min

Lab File: VL039955.D

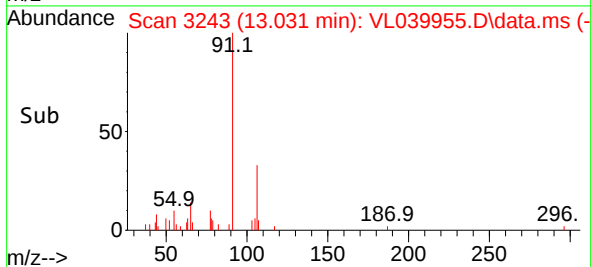
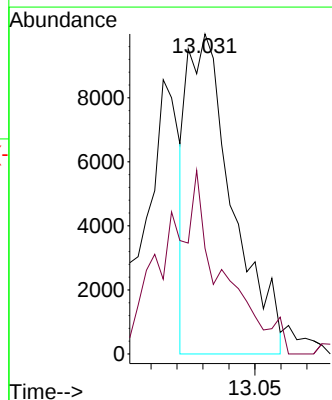
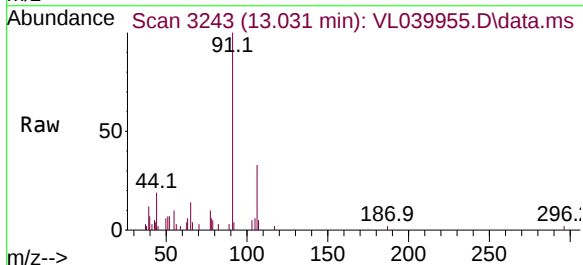
Acq: 1 Dec 2022 23:34

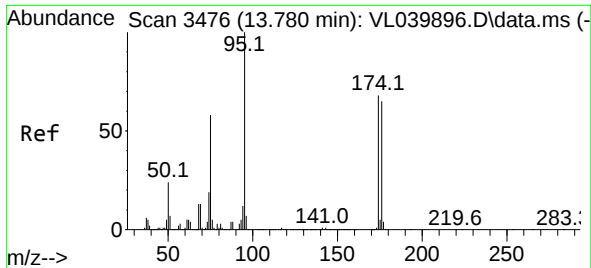
Tgt Ion: 91 Resp: 12084

Ion Ratio Lower Upper

91 100

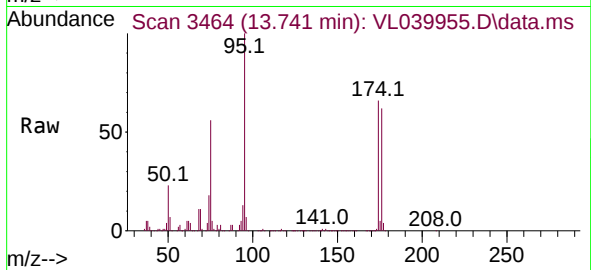
106 79.0 23.2 69.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.109 ppbv
 RT: 13.741 min Scan# 34
 Delta R.T. -0.022 min
 Lab File: VL039955.D
 Acq: 1 Dec 2022 23:34

Instrument :
 MSVOA_L
 ClientSampleId :
 H302022-INFLUENT



Tgt Ion: 95 Resp: 2039153

Ion	Ratio	Lower	Upper
95	100		
174	66.4	53.7	80.5
175	4.7	4.0	6.0

