

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012623\
 Data File : VX033916.D
 Acq On : 26 Jan 2023 17:52
 Operator : JC/MD
 Sample : 01323-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LEA-5SR

Quant Time: Jan 27 02:58:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

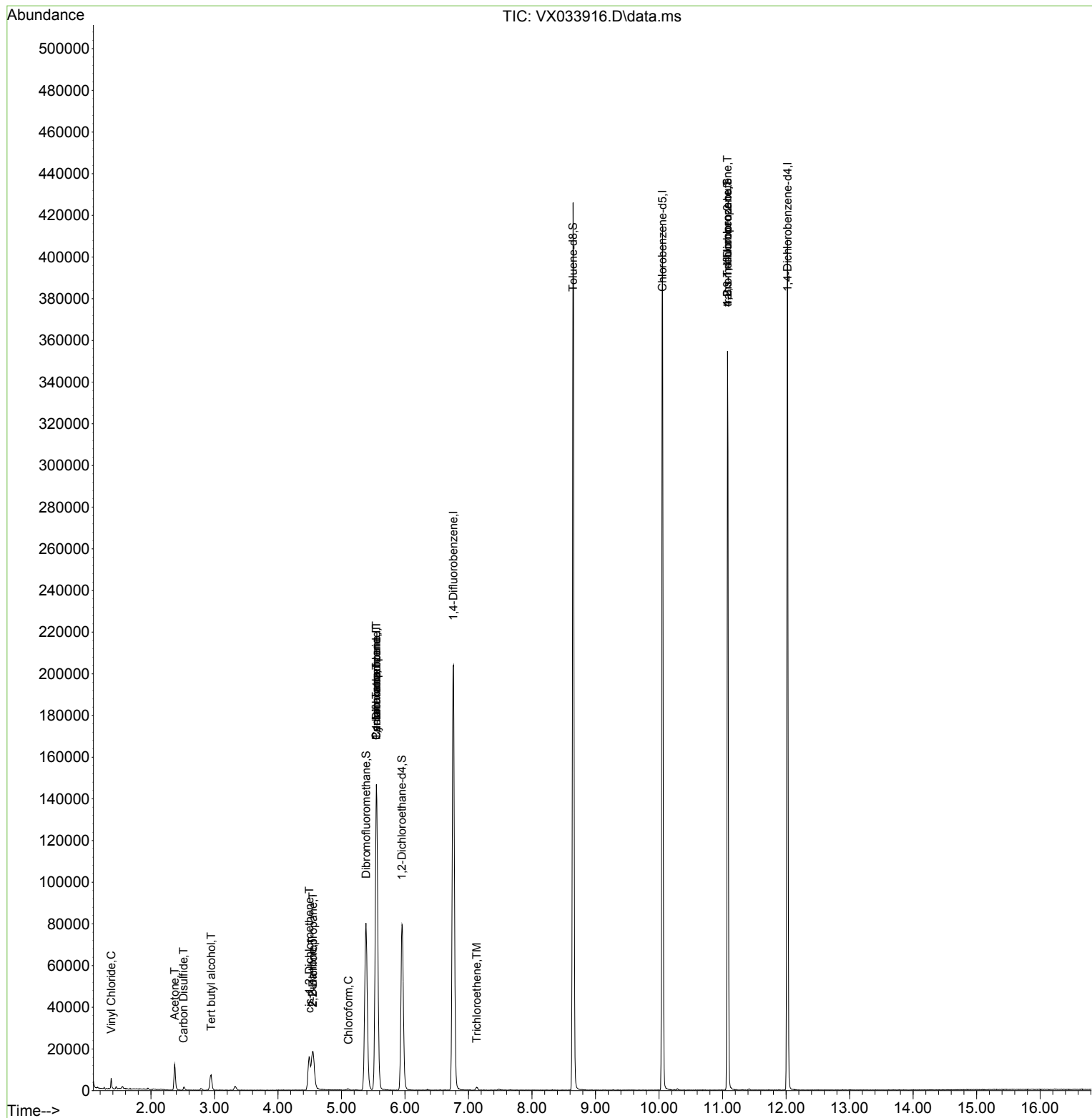
Internal Standards						
1) Pentafluorobenzene	5.550	168	159401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229140	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76947	45.847	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.700%
35) Dibromofluoromethane	5.385	113	70885	49.820	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.640%
50) Toluene-d8	8.647	98	258988	49.958	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.920%
62) 4-Bromofluorobenzene	11.079	95	91517	47.547	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.100%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	3193	2.365	ug/l	99
11) Tert butyl alcohol	2.946	59	4373	14.999	ug/l #	86
16) Acetone	2.373	43	13183	9.706	ug/l	97
17) Carbon Disulfide	2.514	76	170	1.872	ug/l #	76
20) Methylene Chloride	2.788	84	468	Below Cal	#	84
25) 2-Butanone	4.544	43	1235	1.126	ug/l #	51
26) 2,2-Dichloropropane	4.550	77	1629	0.845	ug/l #	52
27) cis-1,2-Dichloroethene	4.495	96	10649	6.109	ug/l	93
30) Chloroform	5.111	83	720	0.261	ug/l #	60
31) Cyclohexane	5.550	56	2296	0.930	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9544	4.596	ug/l #	49
37) Ethyl Acetate	4.544	43	1235	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	13230	6.151	ug/l #	14
44) Trichloroethene	7.129	130	699	0.413	ug/l	80
73) Isopropylbenzene	11.085	105	72	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	42540	24.001	ug/l #	34
79) 2-Chlorotoluene	11.469	91	19	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42540	74.593	ug/l #	8
82) 4-Chlorotoluene	11.469	91	19	Below Cal	#	43

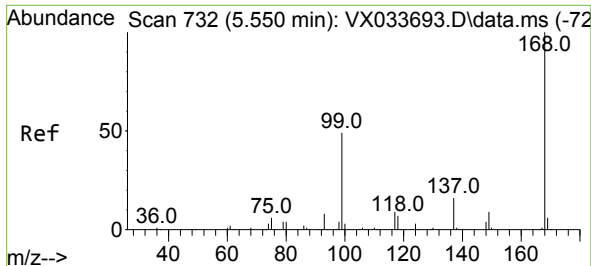
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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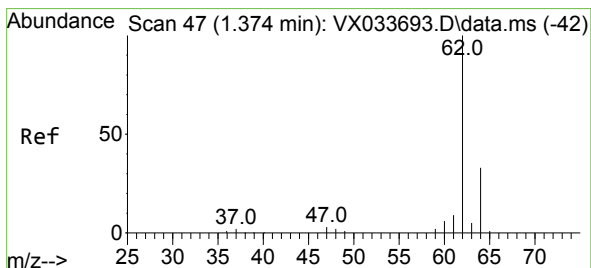
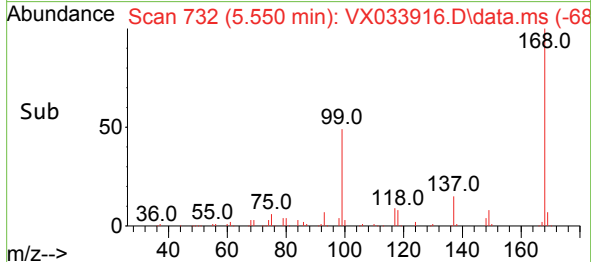
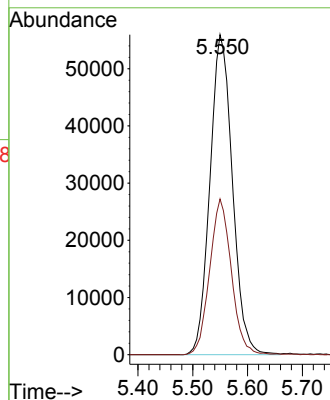
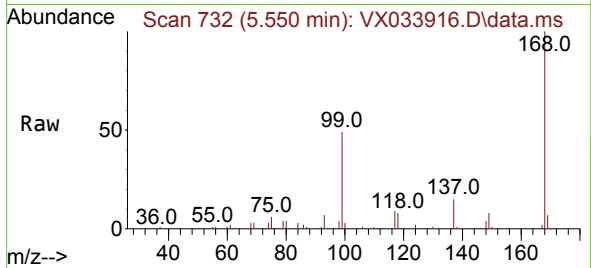




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

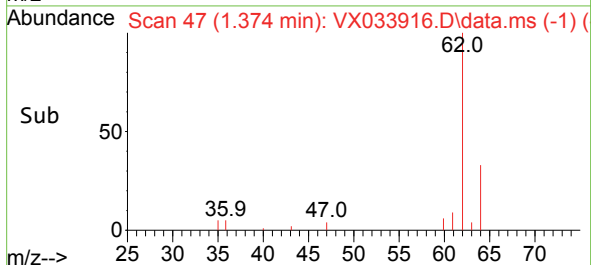
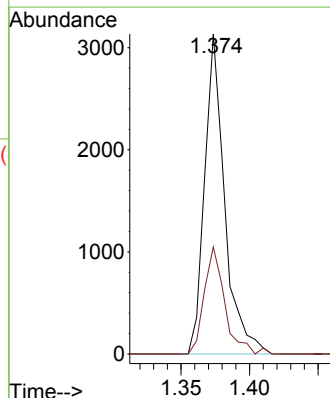
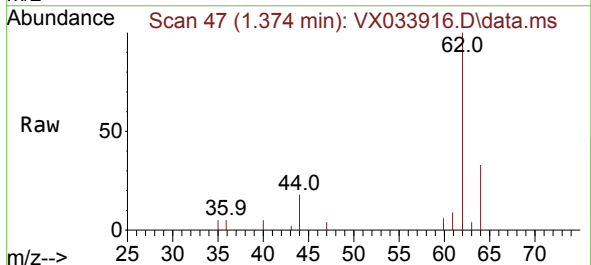
Instrument :
MSVOA_X
ClientSampleId :
LEA-5SR

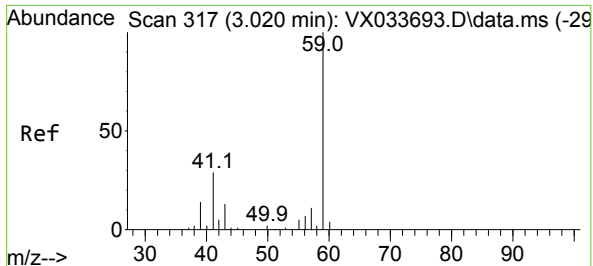
Tgt Ion:168 Resp: 159401
Ion Ratio Lower Upper
168 100
99 48.6 39.6 59.4



#4
Vinyl Chloride
Concen: 2.365 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

Tgt Ion: 62 Resp: 3193
Ion Ratio Lower Upper
62 100
64 33.4 26.2 39.4





#11

Tert butyl alcohol

Concen: 14.999 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.073 min

Lab File: VX033916.D

Acq: 26 Jan 2023 17:52

Instrument :

MSVOA_X

ClientSampleId :

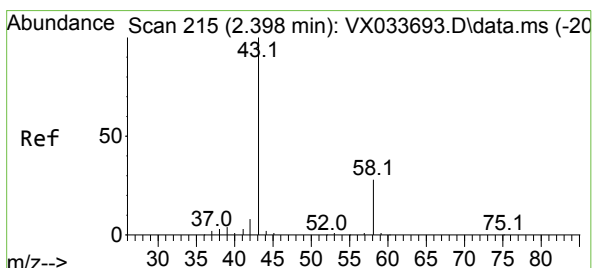
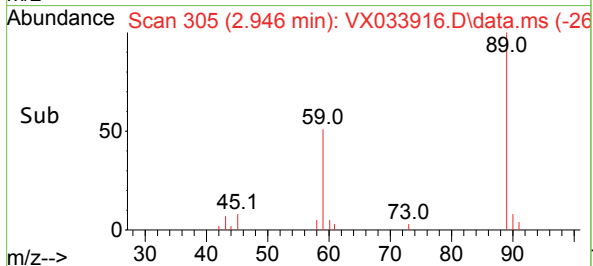
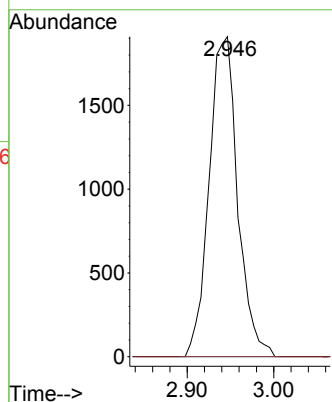
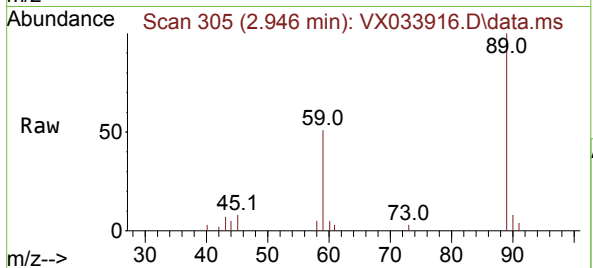
LEA-5SR

Tgt Ion: 59 Resp: 4373

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: 9.706 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.025 min

Lab File: VX033916.D

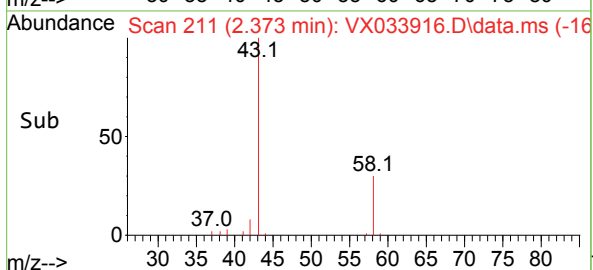
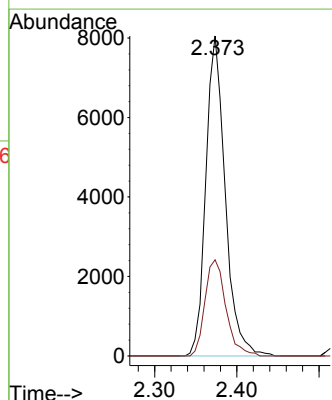
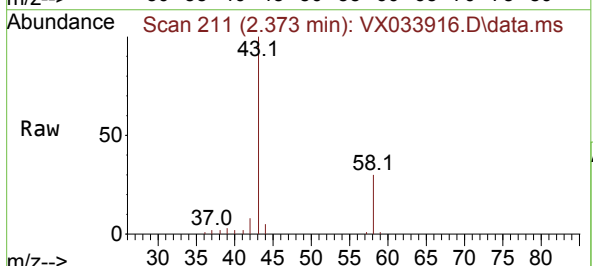
Acq: 26 Jan 2023 17:52

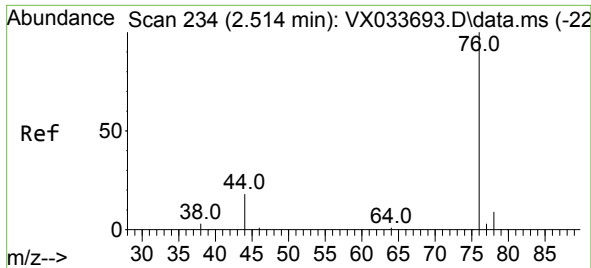
Tgt Ion: 43 Resp: 13183

Ion Ratio Lower Upper

43 100

58 30.0 22.6 33.8





#17

Carbon Disulfide

Concen: 1.872 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033916.D

Acq: 26 Jan 2023 17:52

Instrument :

MSVOA_X

ClientSampleId :

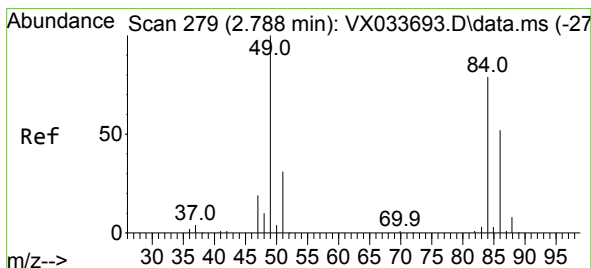
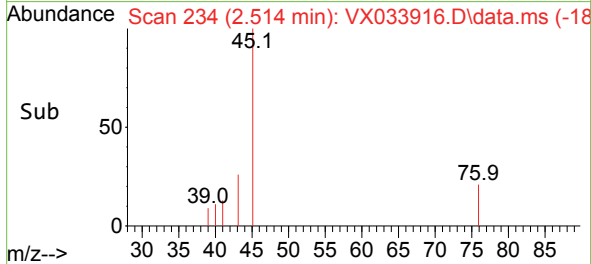
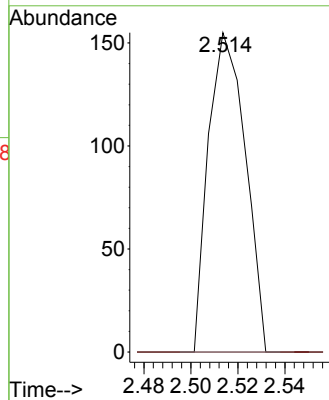
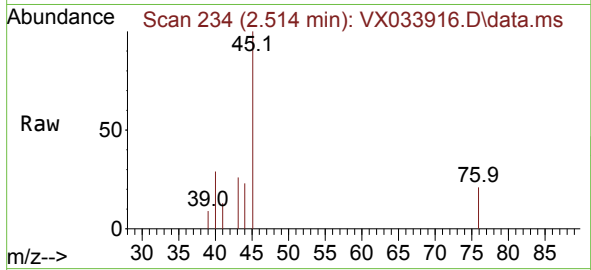
LEA-5SR

Tgt Ion: 76 Resp: 170

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX033916.D

Acq: 26 Jan 2023 17:52

Tgt Ion: 84 Resp: 468

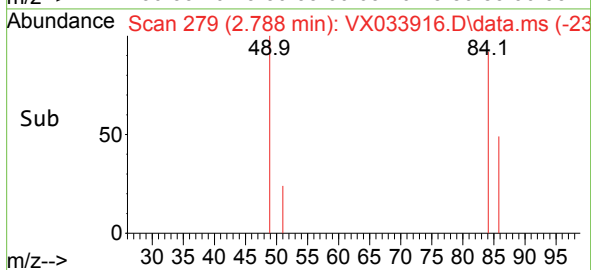
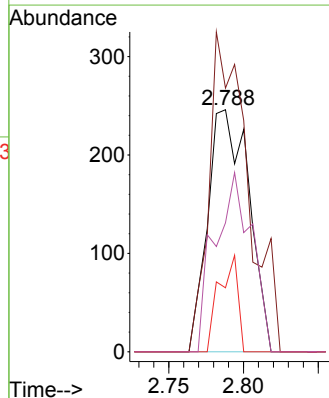
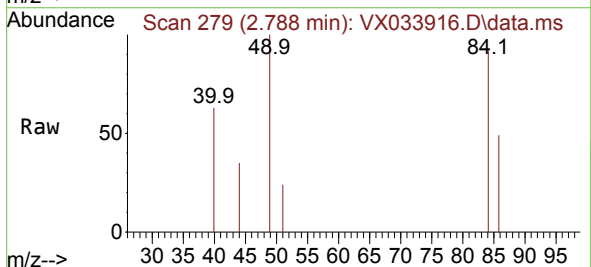
Ion Ratio Lower Upper

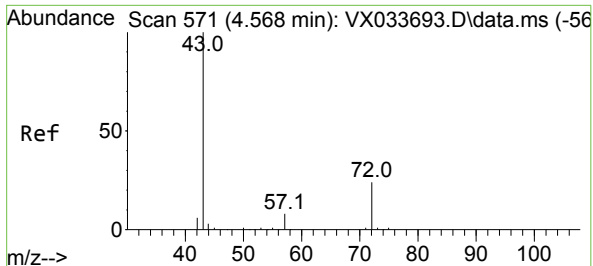
84 100

49 108.9 101.1 151.7

51 26.4 31.0 46.6#

86 53.3 52.6 79.0

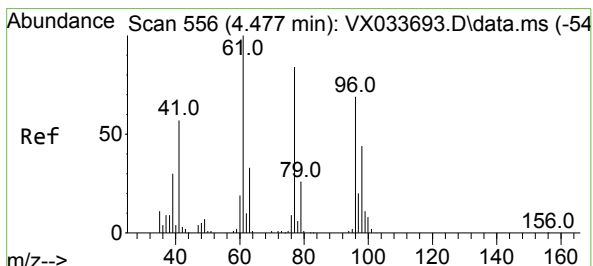
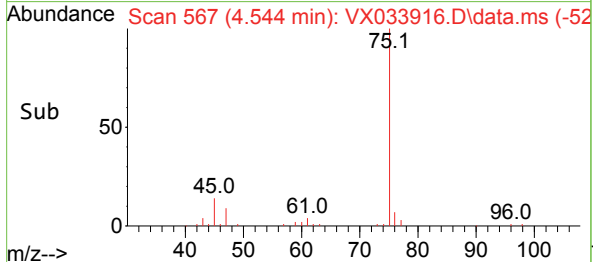
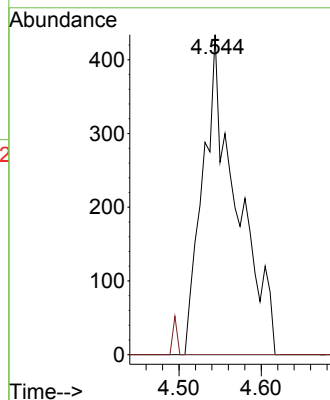
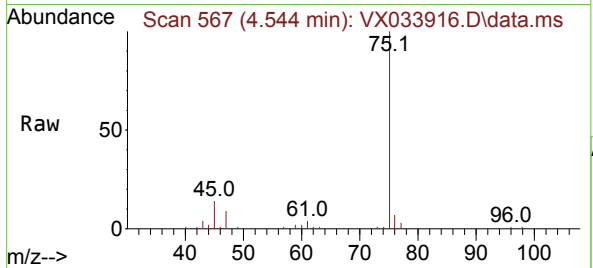




#25
2-Butanone
Concen: 1.126 ug/l
RT: 4.544 min Scan# 50
Delta R.T. -0.025 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

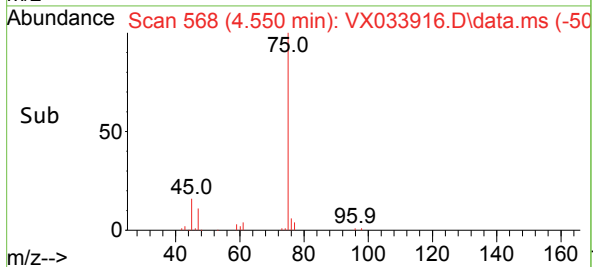
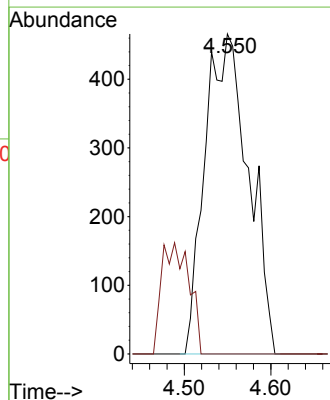
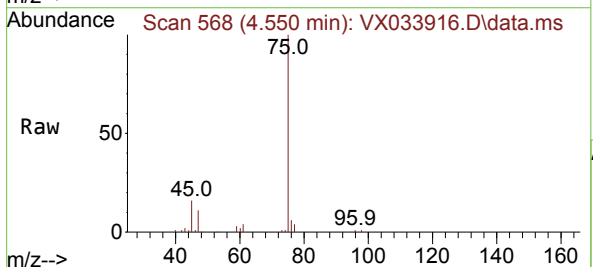
Instrument :
MSVOA_X
ClientSampleId :
LEA-5SR

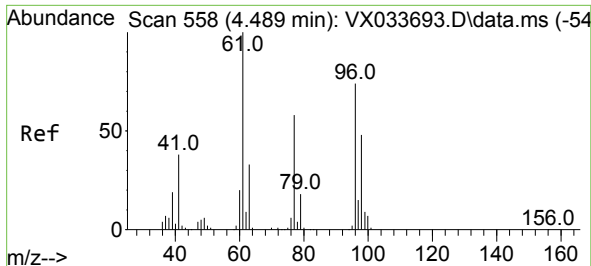
Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.845 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.073 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

Tgt Ion: 77 Resp: 1629
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#





#27

cis-1,2-Dichloroethene

Concen: 6.109 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033916.D

Acq: 26 Jan 2023 17:52

Instrument :

MSVOA_X

ClientSampleId :

LEA-5SR

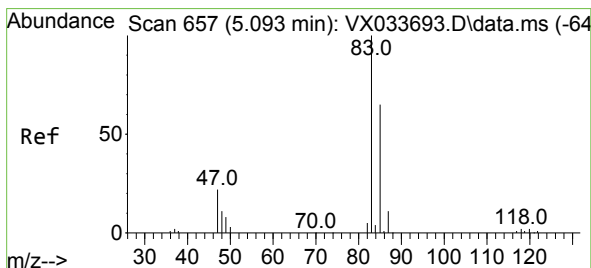
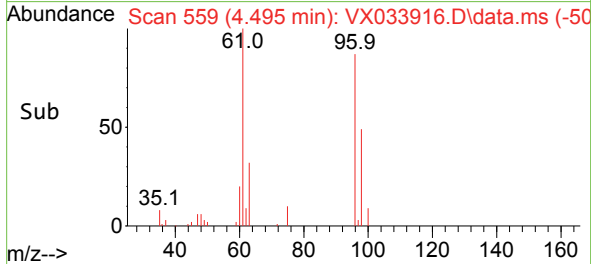
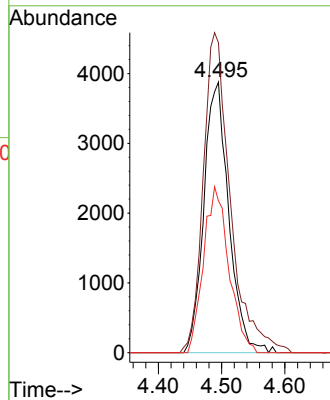
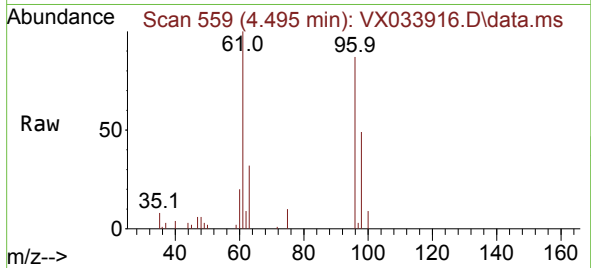
Tgt Ion: 96 Resp: 10649

Ion Ratio Lower Upper

96 100

61 128.4 0.0 277.6

98 62.1 0.0 128.0



#30

Chloroform

Concen: 0.261 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.018 min

Lab File: VX033916.D

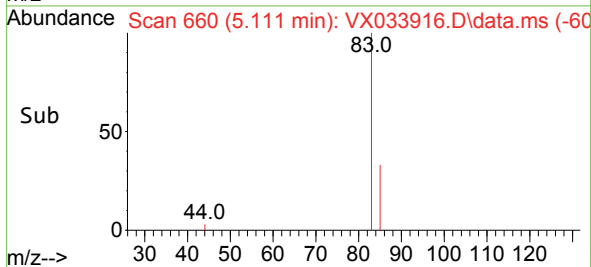
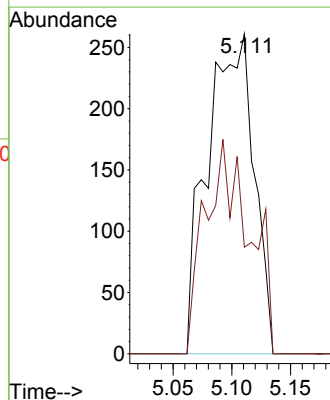
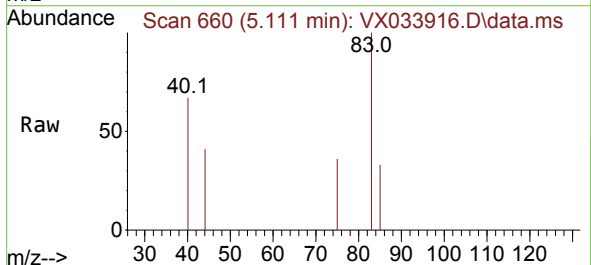
Acq: 26 Jan 2023 17:52

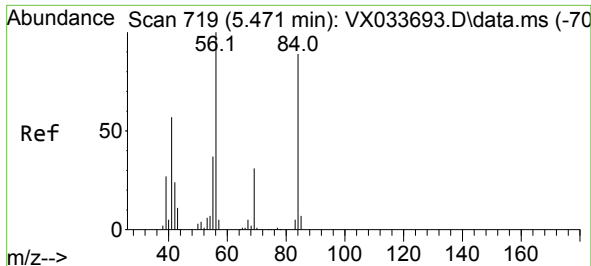
Tgt Ion: 83 Resp: 720

Ion Ratio Lower Upper

83 100

85 33.3 52.1 78.1#

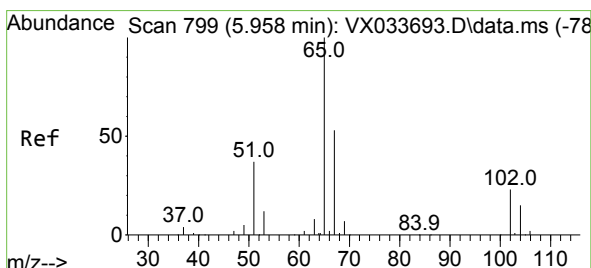
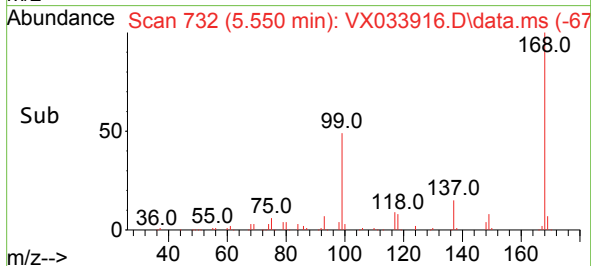
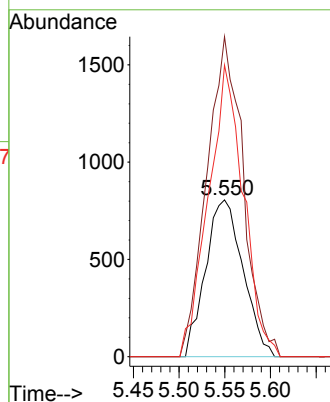
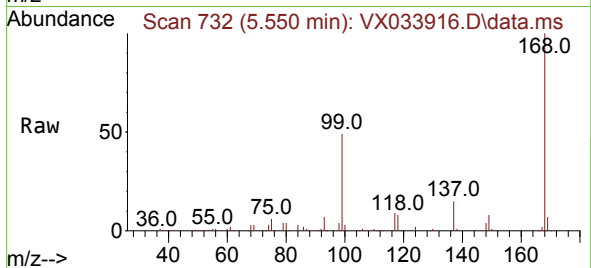




#31
Cyclohexane
Concen: 0.930 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

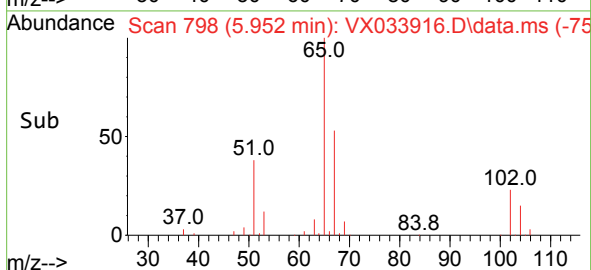
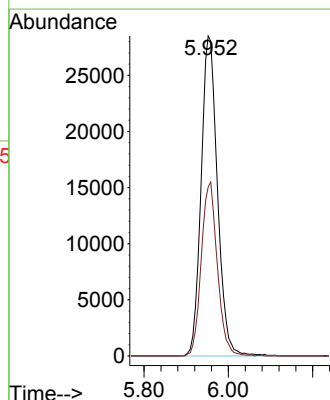
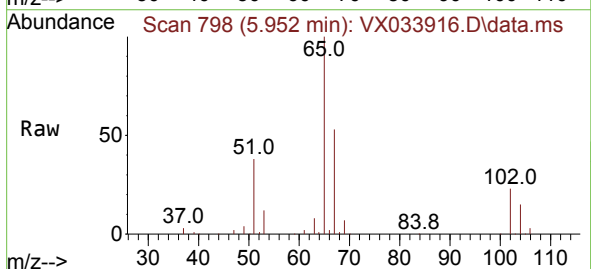
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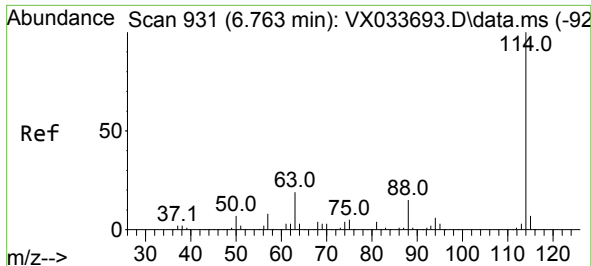
Tgt Ion: 56 Resp: 2296
Ion Ratio Lower Upper
56 100
69 204.1 24.6 37.0#
84 186.0 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.847 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

Tgt Ion: 65 Resp: 76947
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8

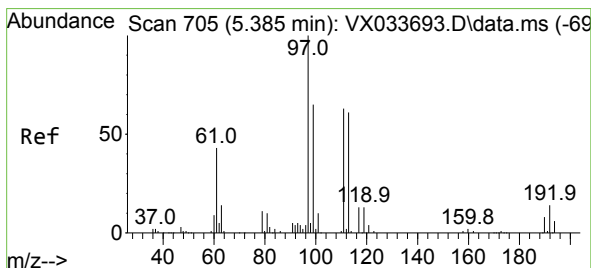
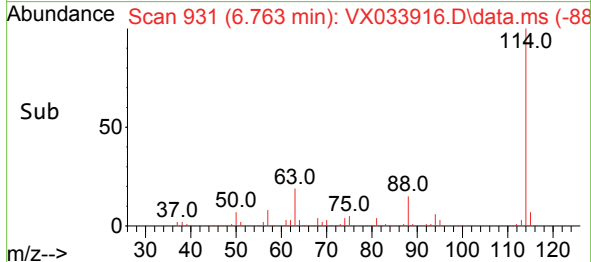
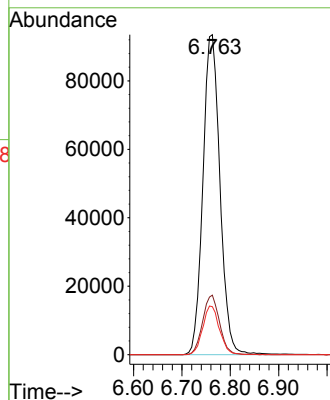
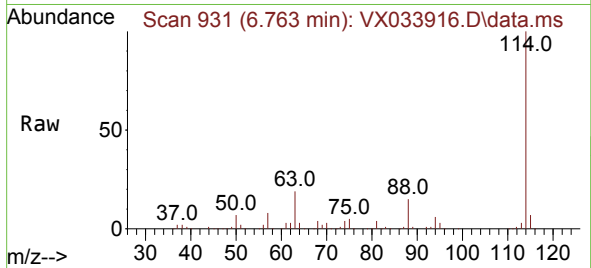




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

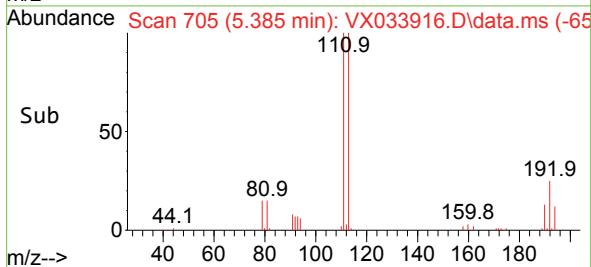
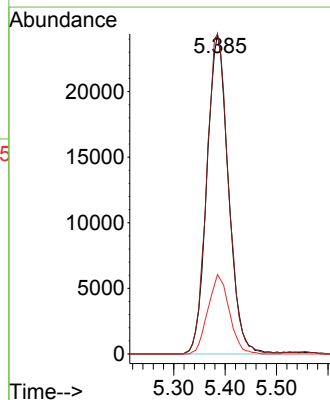
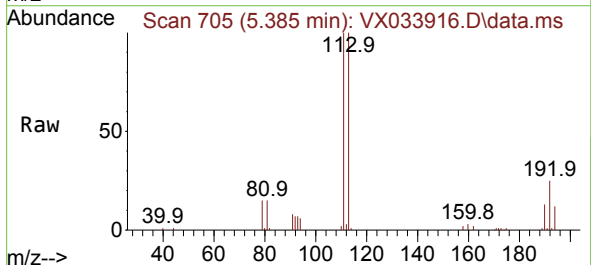
Instrument :
MSVOA_X
ClientSampleId :
LEA-5SR

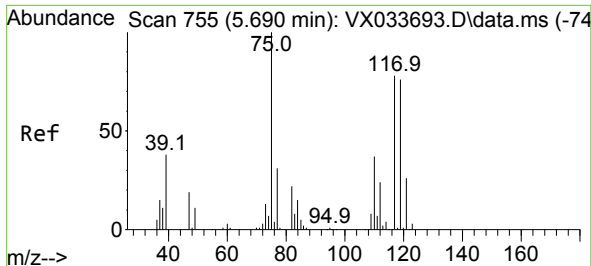
Tgt Ion:114 Resp: 229140
Ion Ratio Lower Upper
114 100
63 18.6 0.0 37.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.820 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

Tgt Ion:113 Resp: 70885
Ion Ratio Lower Upper
113 100
111 101.2 83.0 124.6
192 24.5 19.0 28.4

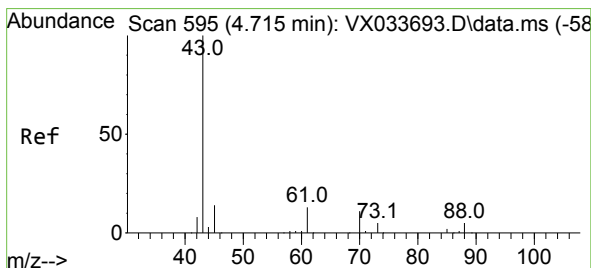
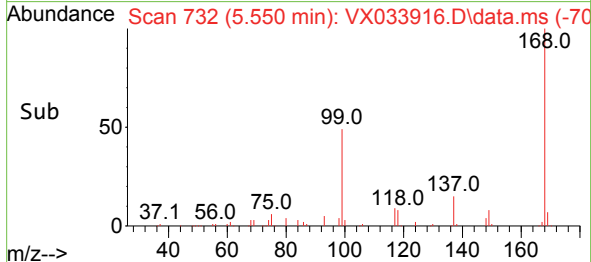
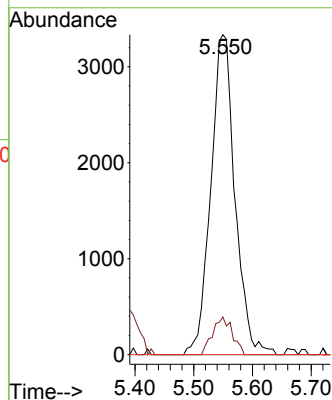
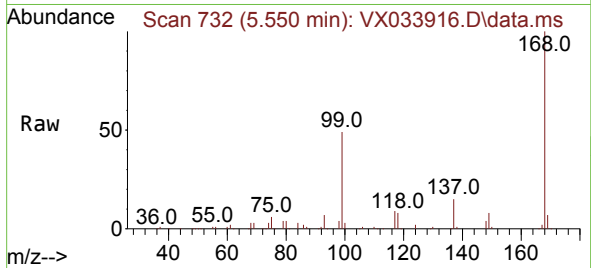




#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

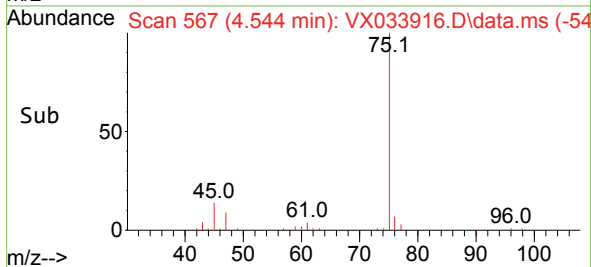
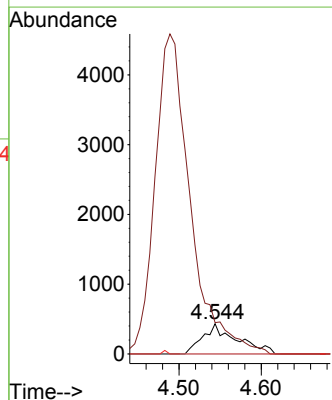
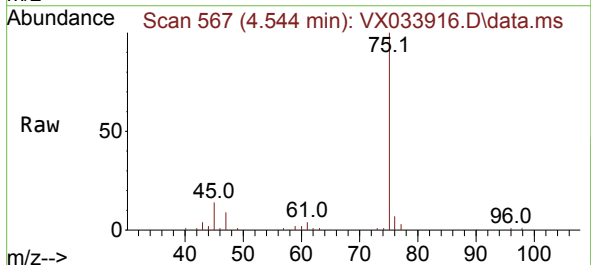
Instrument :
MSVOA_X
ClientSampleId :
LEA-5SR

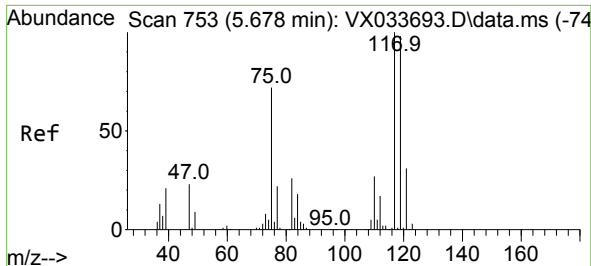
Tgt Ion: 75 Resp: 9544
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.544 min Scan# 567
Delta R.T. -0.171 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.5 12.7#

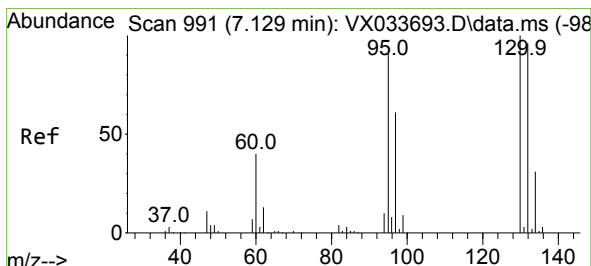
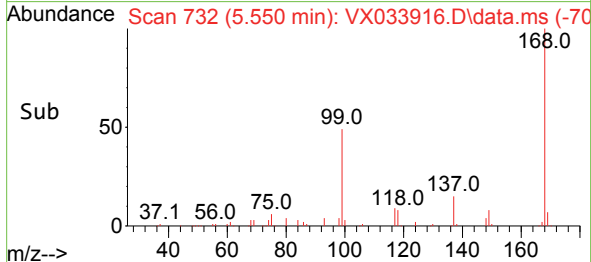
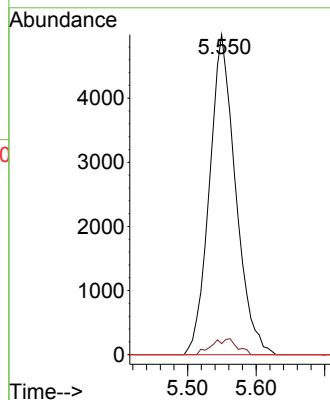
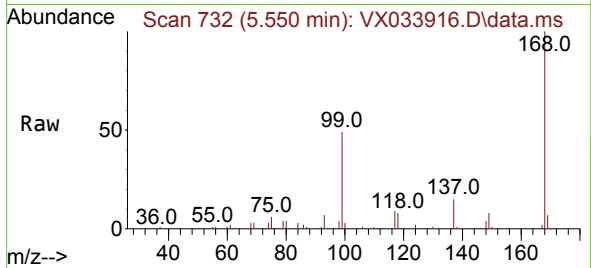




#38
Carbon Tetrachloride
Concen: 6.151 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.128 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

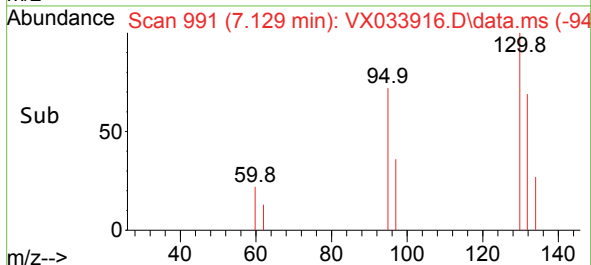
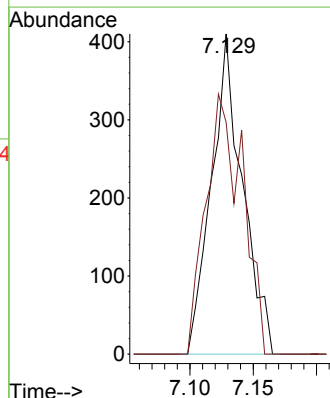
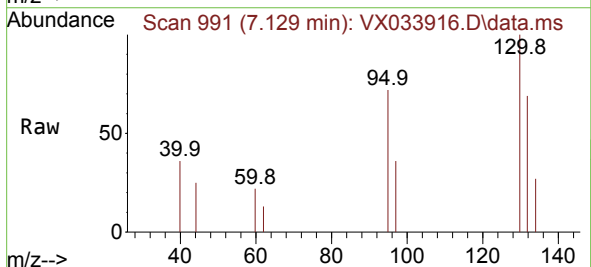
Instrument :
MSVOA_X
ClientSampleId :
LEA-5SR

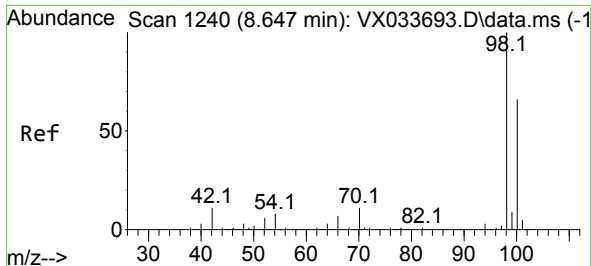
Tgt Ion:117 Resp: 13230
Ion Ratio Lower Upper
117 100
119 3.5 78.0 117.0#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.413 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

Tgt Ion:130 Resp: 699
Ion Ratio Lower Upper
130 100
95 72.4 0.0 182.6

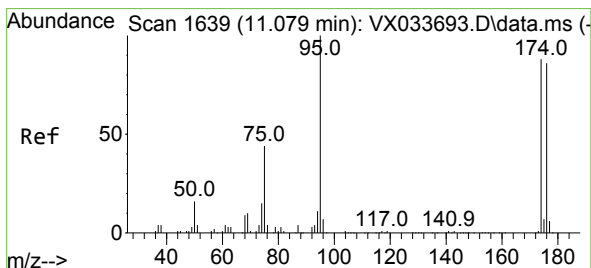
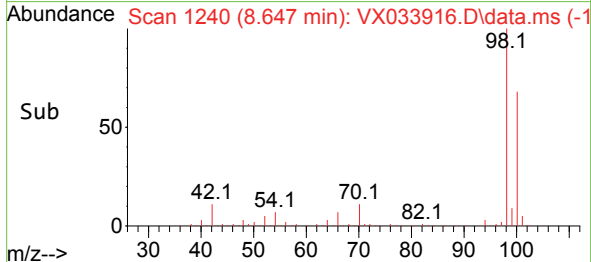
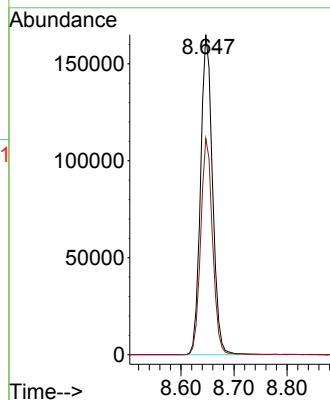
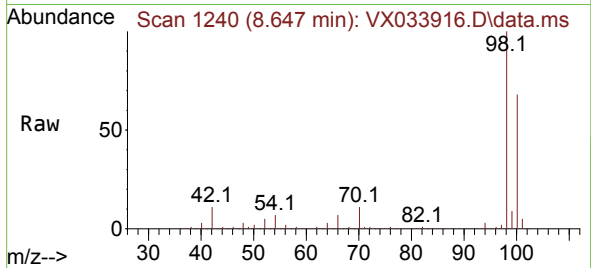




#50
Toluene-d8
Concen: 49.958 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

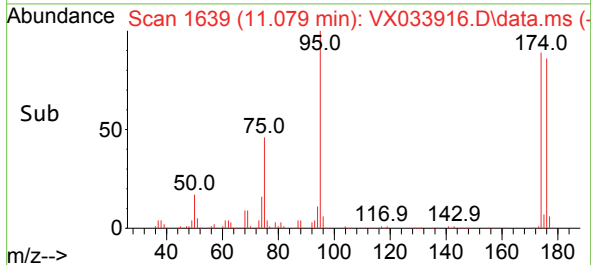
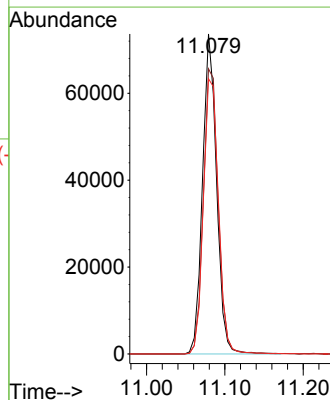
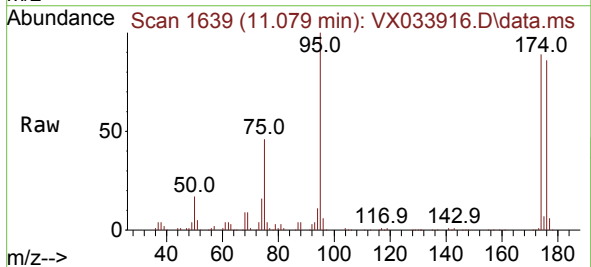
Instrument :
MSVOA_X
ClientSampleId :
LEA-5SR

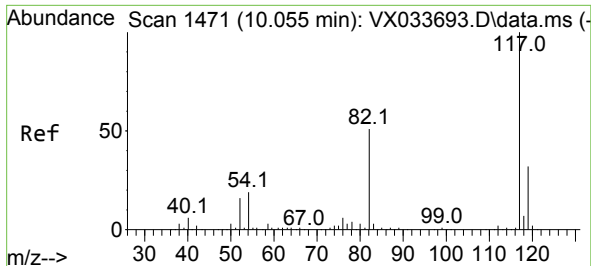
Tgt Ion: 98 Resp: 258988
Ion Ratio Lower Upper
98 100
100 67.1 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 47.547 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

Tgt Ion: 95 Resp: 91517
Ion Ratio Lower Upper
95 100
174 94.6 0.0 184.4
176 92.7 0.0 178.8

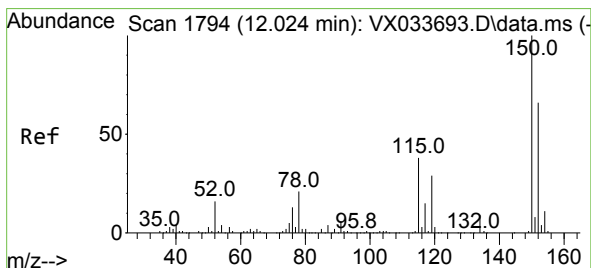
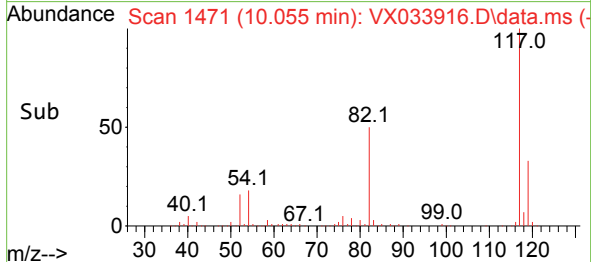
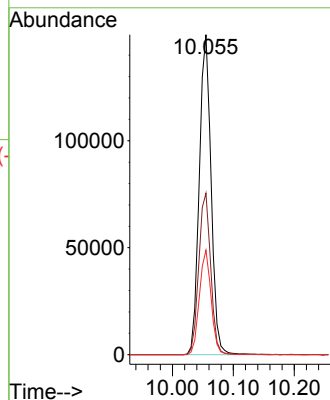
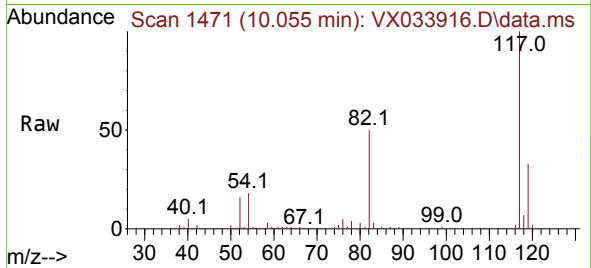




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

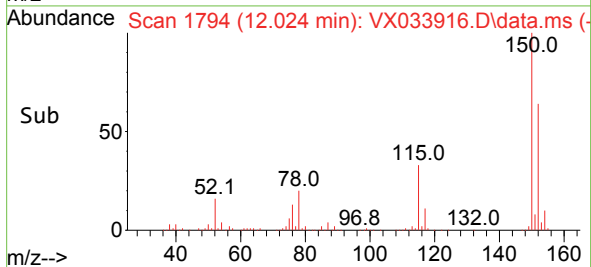
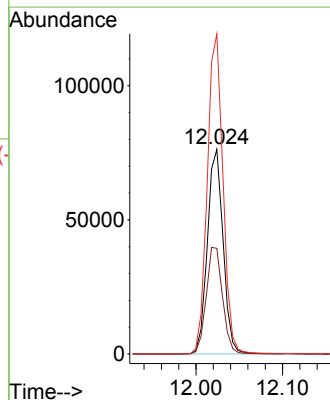
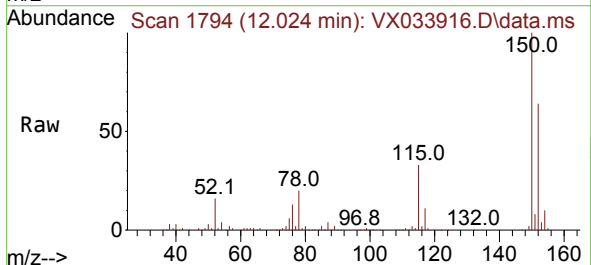
Instrument :
MSVOA_X
ClientSampleId :
LEA-5SR

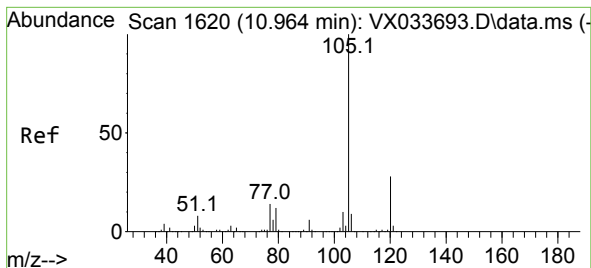
Tgt Ion:117 Resp: 201582
Ion Ratio Lower Upper
117 100
82 50.5 40.6 60.8
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033916.D
Acq: 26 Jan 2023 17:52

Tgt Ion:152 Resp: 96465
Ion Ratio Lower Upper
152 100
115 53.8 38.7 116.1
150 156.1 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.085 min Scan# 1639

Delta R.T. 0.121 min

Lab File: VX033916.D

Acq: 26 Jan 2023 17:52

Instrument :

MSVOA_X

ClientSampleId :

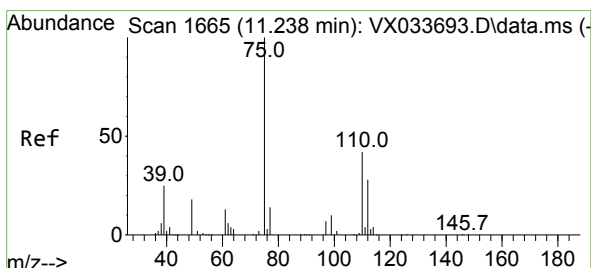
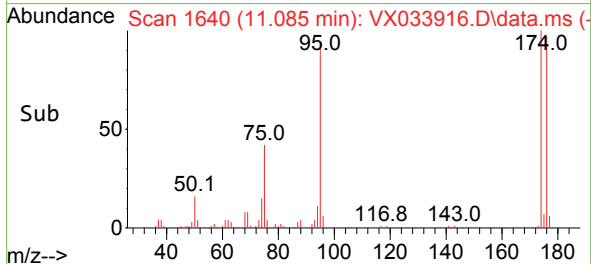
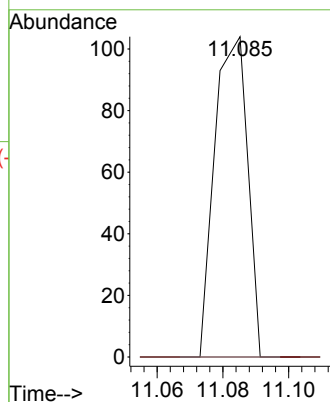
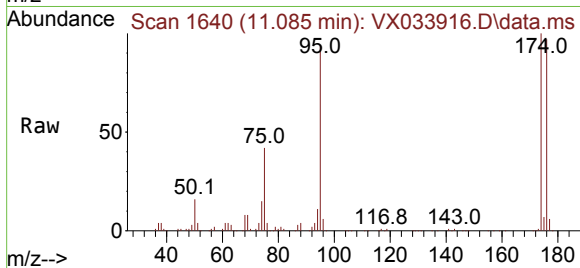
LEA-5SR

Tgt Ion:105 Resp: 72

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#76

1,2,3-Trichloropropane

Concen: 24.001 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033916.D

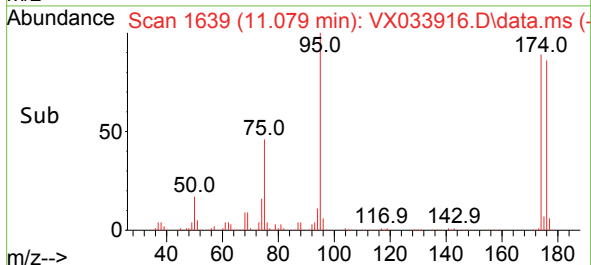
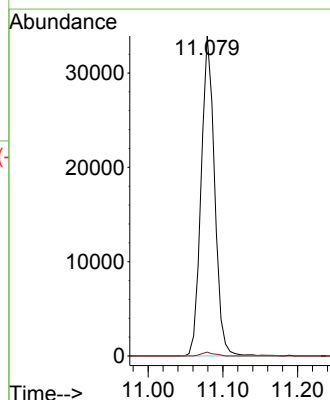
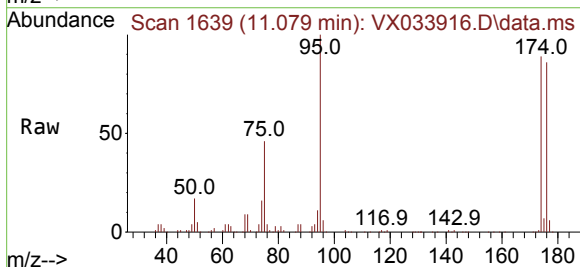
Acq: 26 Jan 2023 17:52

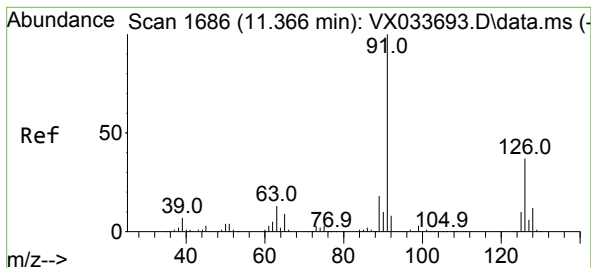
Tgt Ion: 75 Resp: 42540

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.469 min Scan# 11

Delta R.T. 0.103 min

Lab File: VX033916.D

Acq: 26 Jan 2023 17:52

Instrument :

MSVOA_X

ClientSampleId :

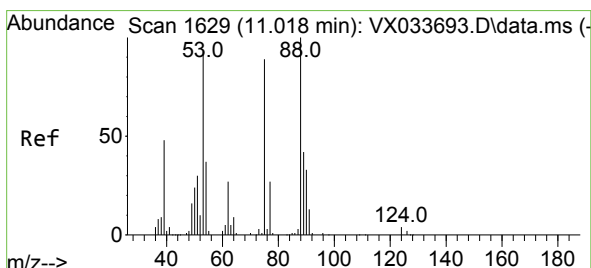
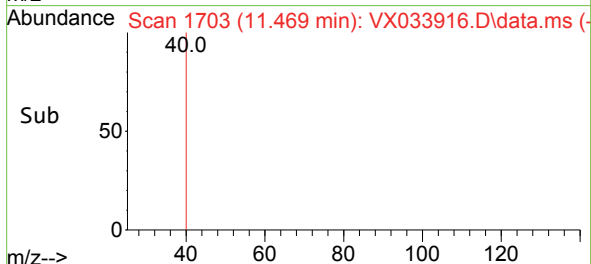
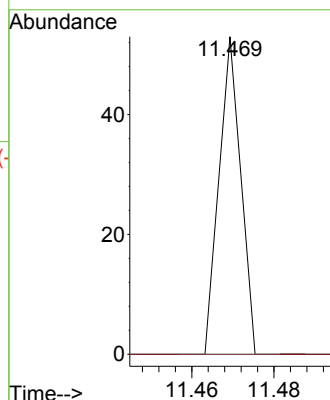
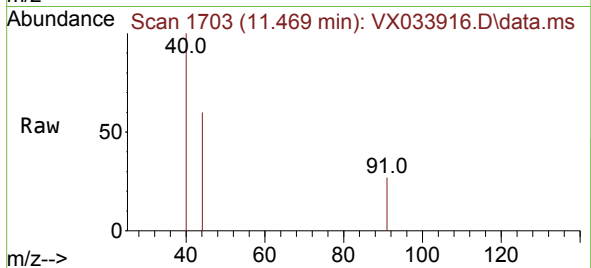
LEA-5SR

Tgt Ion: 91 Resp: 19

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.593 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033916.D

Acq: 26 Jan 2023 17:52

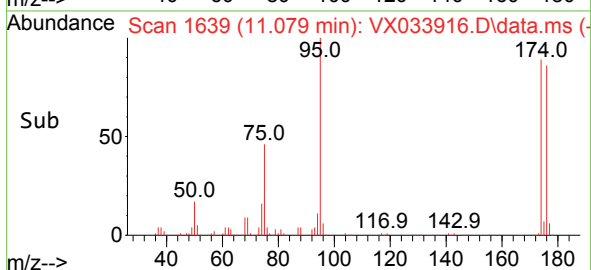
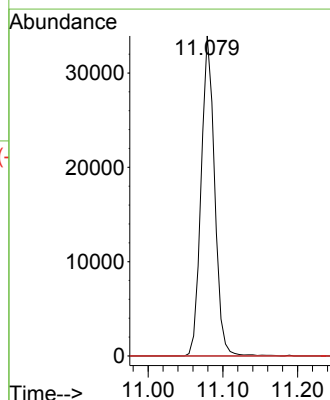
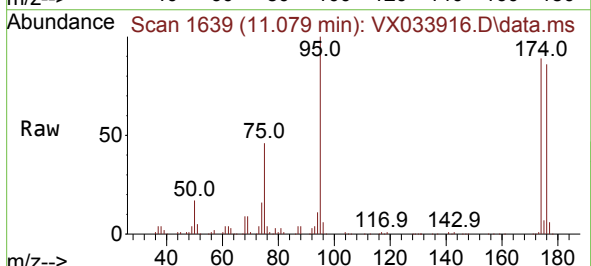
Tgt Ion: 75 Resp: 42540

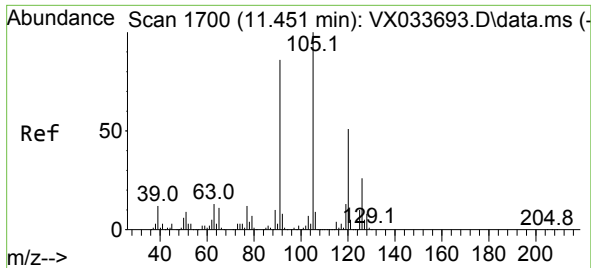
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.469 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: VX033916.D
 Acq: 26 Jan 2023 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 LEA-5SR

Tgt Ion: 91 Resp: 19
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

