

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031443.D
 Acq On : 17 Sep 2022 04:29
 Operator : JC/MD
 Sample : PB147603ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#12

Quant Time: Sep 17 04:58:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

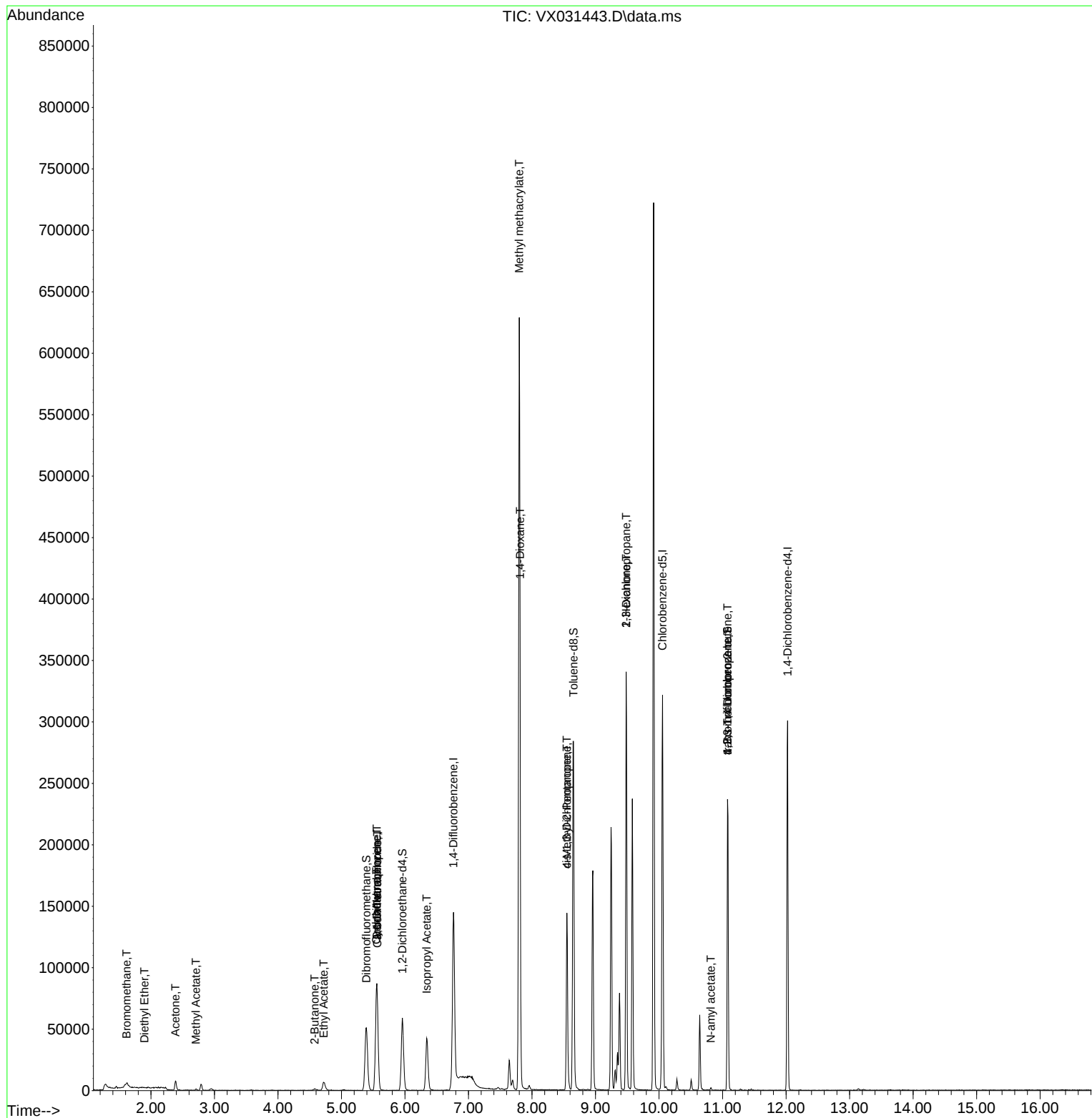
Internal Standards						
1) Pentafluorobenzene	5.556	168	82159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	139757	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	51279	25.428	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	50.860%#
35) Dibromofluoromethane	5.391	113	42761	28.464	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	56.920%#
50) Toluene-d8	8.653	98	169914	30.152	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	60.300%#
62) 4-Bromofluorobenzene	11.079	95	54526	26.423	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	52.840%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	274	Below Cal	#	41
5) Bromomethane	1.617	94	318	0.295	ug/l	85
8) Diethyl Ether	1.898	74	20	0.546	ug/l #	1
11) Tert butyl alcohol	2.995	59	42	Below Cal	#	73
16) Acetone	2.386	43	8541	9.921	ug/l	99
18) Methyl Acetate	2.709	43	1314	0.515	ug/l	98
20) Methylene Chloride	2.788	84	2199	Below Cal	#	90
25) 2-Butanone	4.574	43	1635	1.151	ug/l #	84
31) Cyclohexane	5.550	56	2040	0.942	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	6740	3.278	ug/l #	49
37) Ethyl Acetate	4.721	43	12130	4.489	ug/l	99
38) Carbon Tetrachloride	5.562	117	8234	3.684	ug/l #	18
43) Isopropyl Acetate	6.342	43	57056	12.370	ug/l	99
48) Methyl methacrylate	7.799	41	54509	25.960	ug/l #	48
49) 1,4-Dioxane	7.811	88	72	1.710	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	48948	17.459	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	21802	7.906	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	2957	1.044	ug/l #	43
59) 2-Hexanone	9.482	43	37690	17.614	ug/l #	52
74) N-amyl acetate	10.817	43	501	0.229	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	31892	21.223	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31892	58.725	ug/l #	11

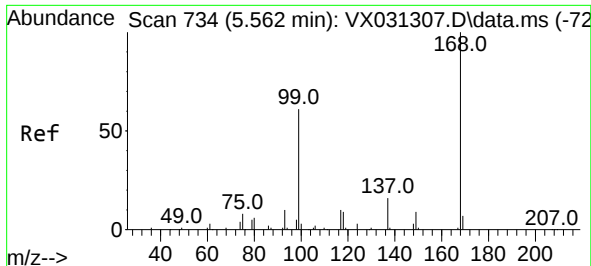
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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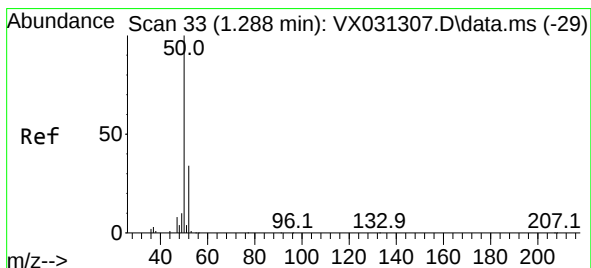
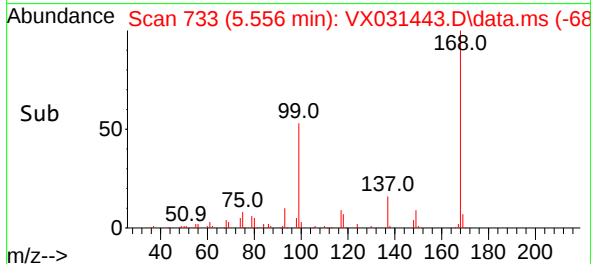
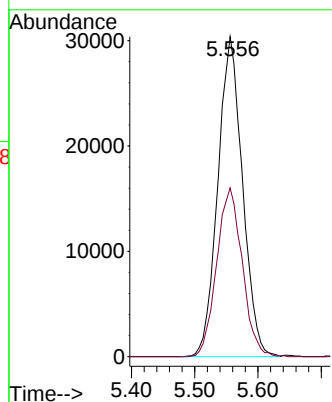
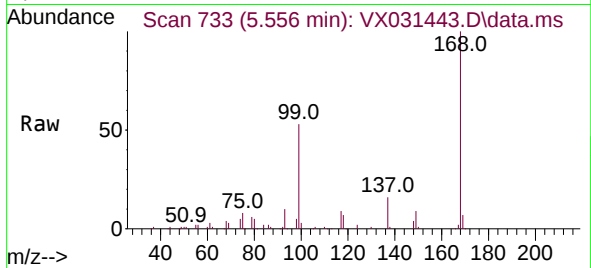




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

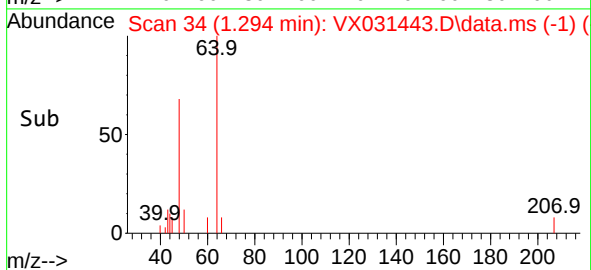
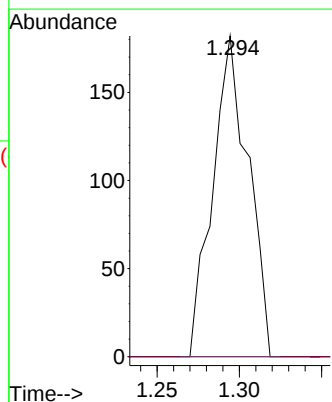
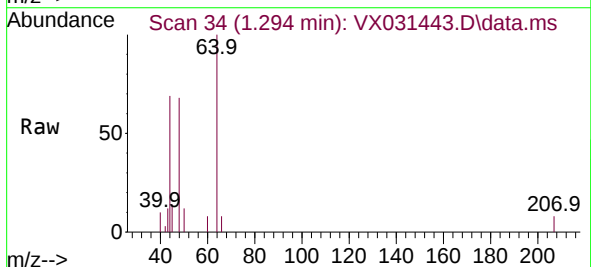
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#12

Tgt Ion:168 Resp: 82159
Ion Ratio Lower Upper
168 100
99 52.7 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Tgt Ion: 50 Resp: 274
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

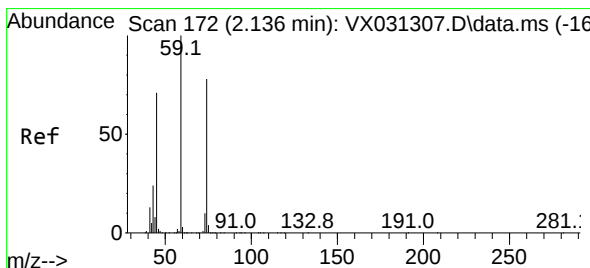
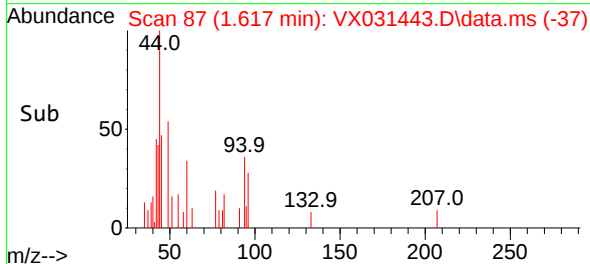
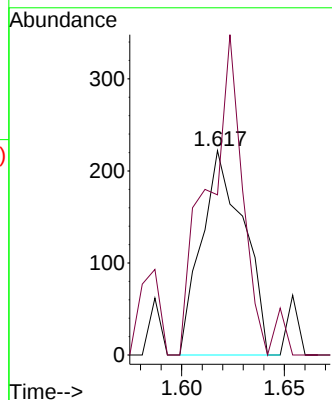
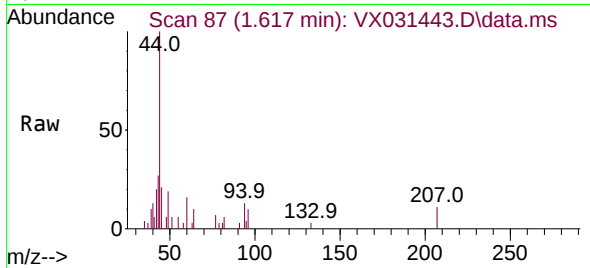




#5
Bromomethane
Concen: 0.295 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

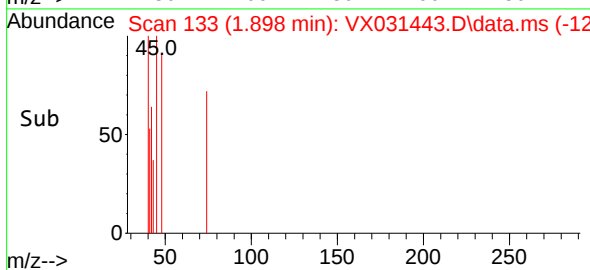
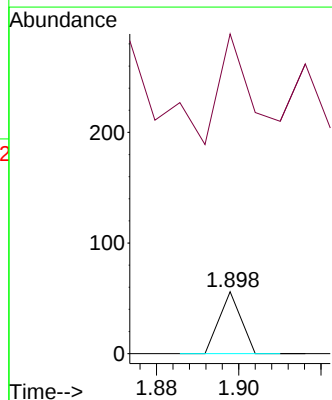
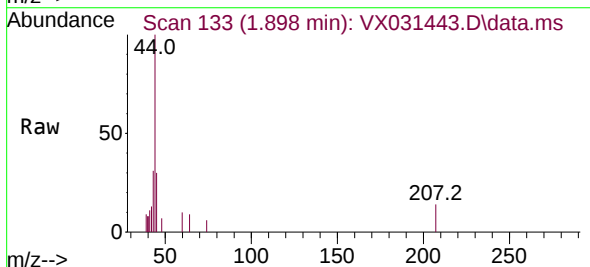
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#12

Tgt Ion: 94 Resp: 318
Ion Ratio Lower Upper
94 100
96 78.4 74.4 111.6



#8
Diethyl Ether
Concen: 0.546 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.238 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 0.0 48.5 145.6#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.995 min Scan# 312

Delta R.T. 0.006 min

Lab File: VX031443.D

Acq: 17 Sep 2022 04:29

Instrument :

MSVOA_X

ClientSampleId :

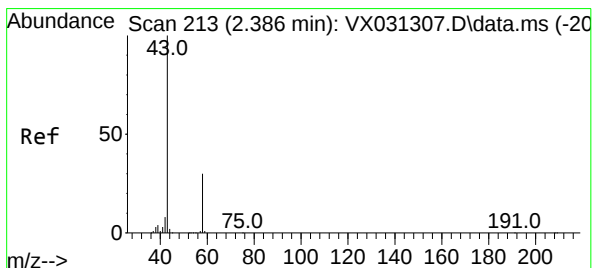
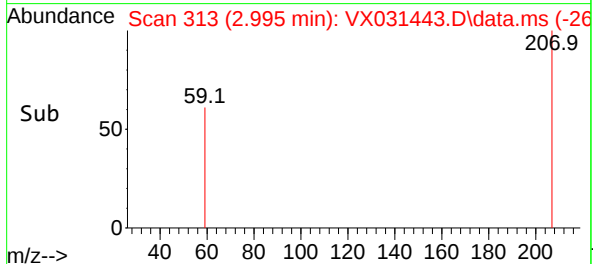
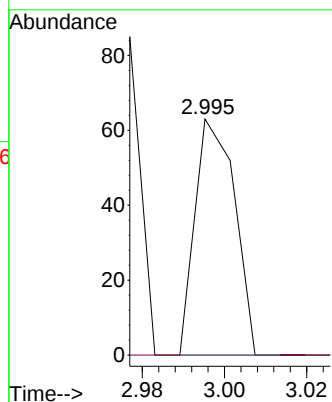
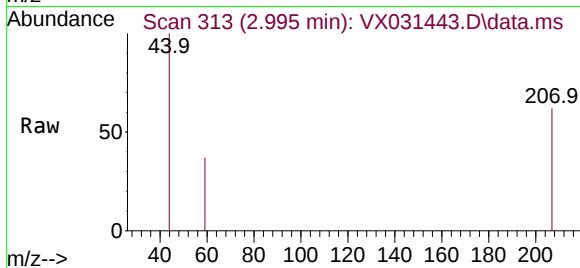
PB147603ZHE#12

Tgt Ion: 59 Resp: 42

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 9.921 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX031443.D

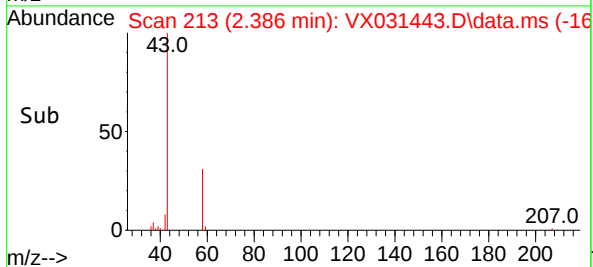
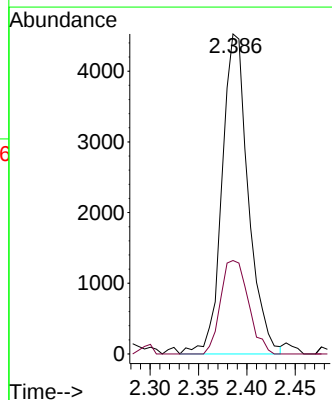
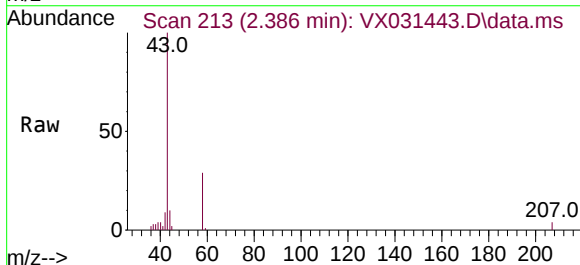
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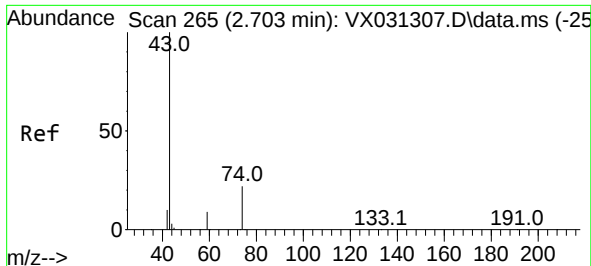
Tgt Ion: 43 Resp: 8541

Ion Ratio Lower Upper

43 100

58 29.2 23.8 35.8

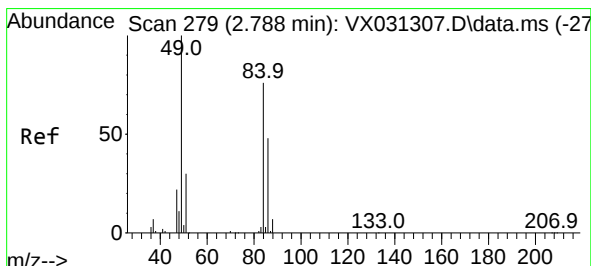
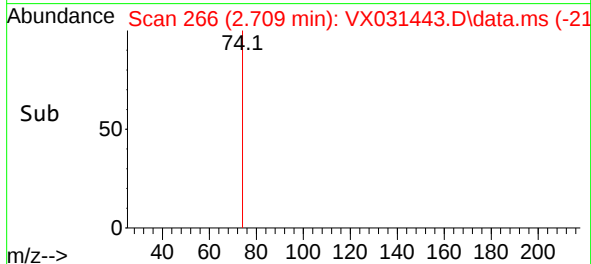
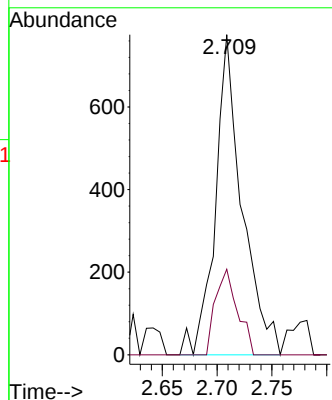
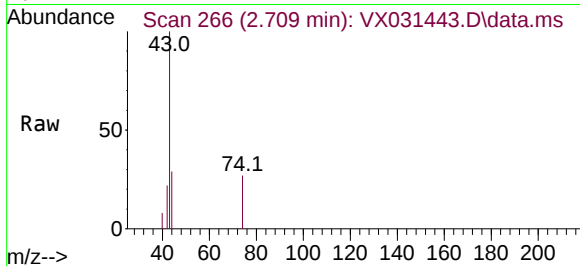




#18
Methyl Acetate
Concen: 0.515 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

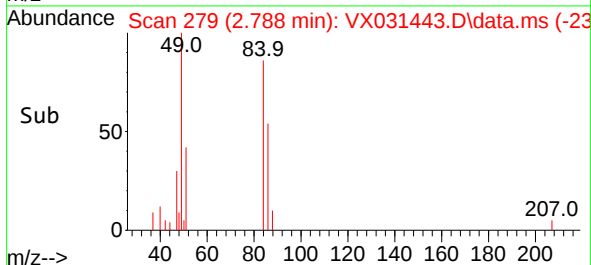
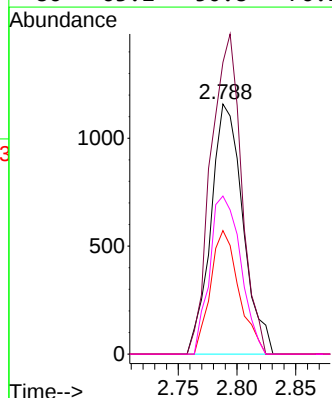
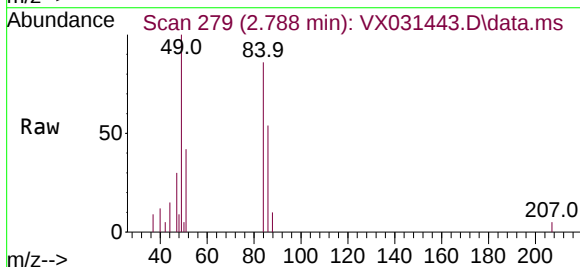
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#12

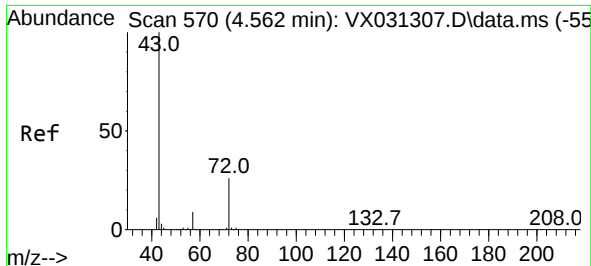
Tgt Ion: 43 Resp: 1314
Ion Ratio Lower Upper
43 100
74 22.1 18.6 27.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Tgt Ion: 84 Resp: 2199
Ion Ratio Lower Upper
84 100
49 116.7 105.9 158.9
51 49.4 32.2 48.2#
86 63.2 50.8 76.2

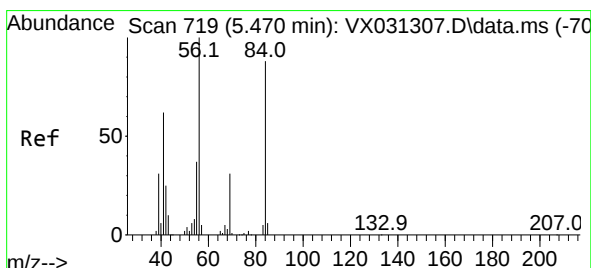
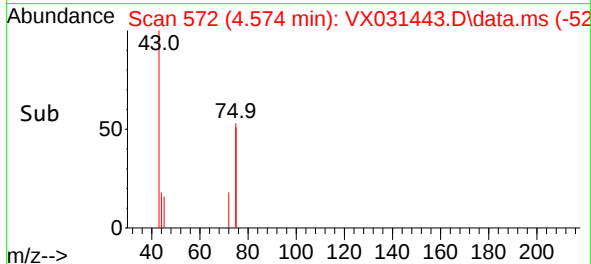
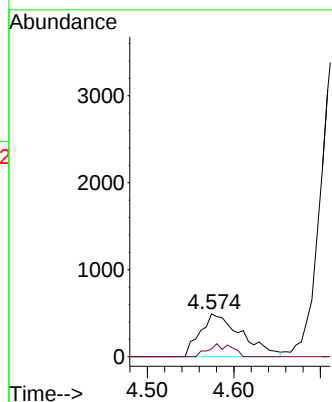
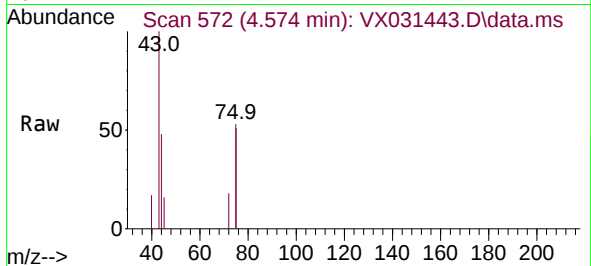




#25
2-Butanone
Concen: 1.151 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

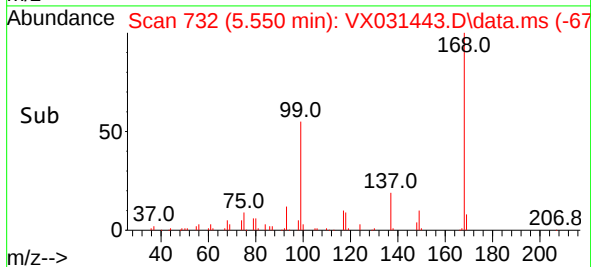
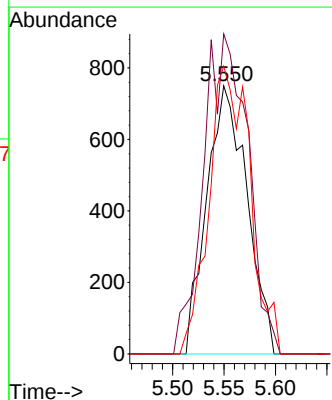
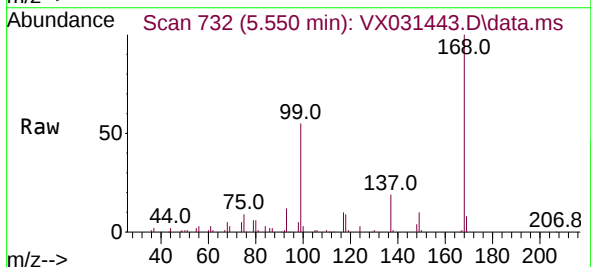
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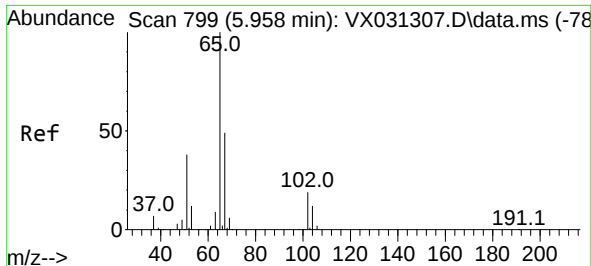
Tgt Ion: 43 Resp: 1635
Ion Ratio Lower Upper
43 100
72 18.0 21.1 31.7#



#31
Cyclohexane
Concen: 0.942 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Tgt Ion: 56 Resp: 2040
Ion Ratio Lower Upper
56 100
69 119.3 25.1 37.7#
84 107.3 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 25.428 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031443.D

Acq: 17 Sep 2022 04:29

Instrument :

MSVOA_X

ClientSampleId :

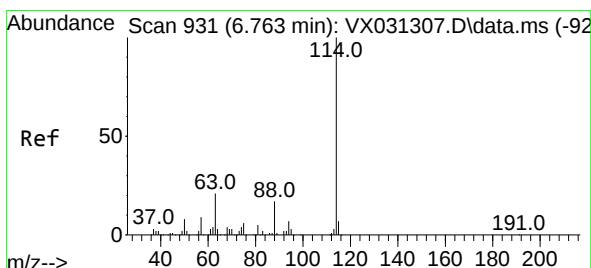
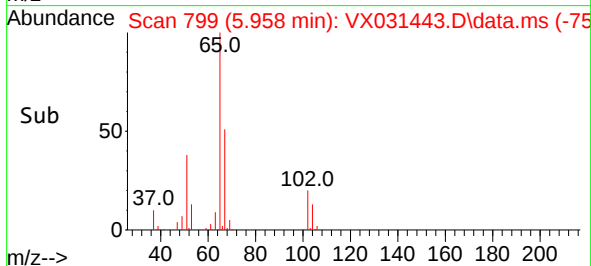
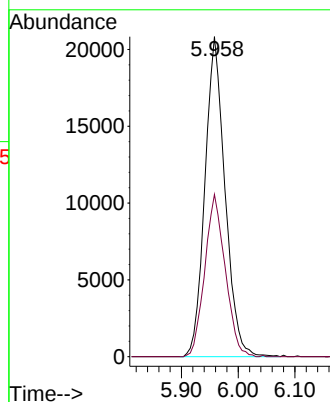
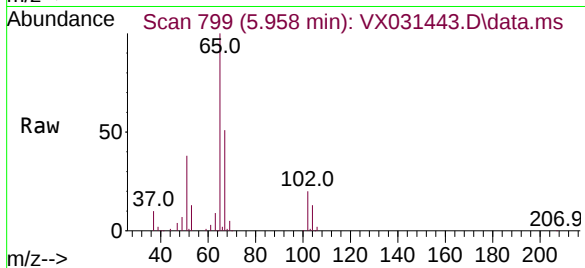
PB147603ZHE#12

Tgt Ion: 65 Resp: 51279

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031443.D

Acq: 17 Sep 2022 04:29

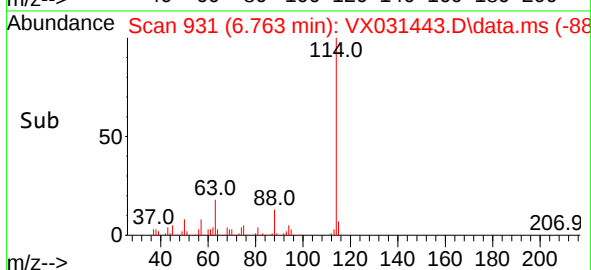
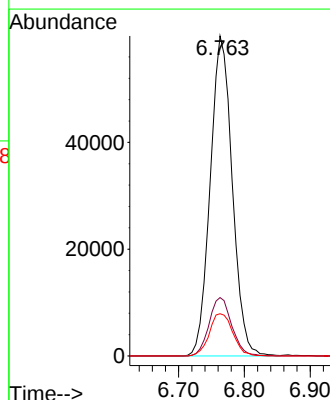
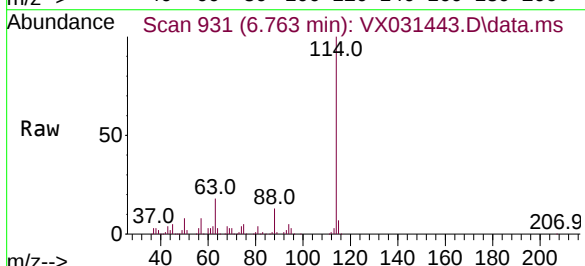
Tgt Ion: 114 Resp: 139757

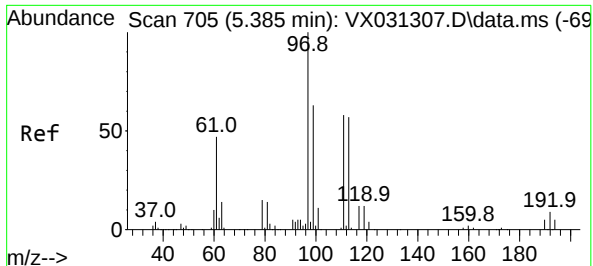
Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.6

88 13.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 28.464 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031443.D

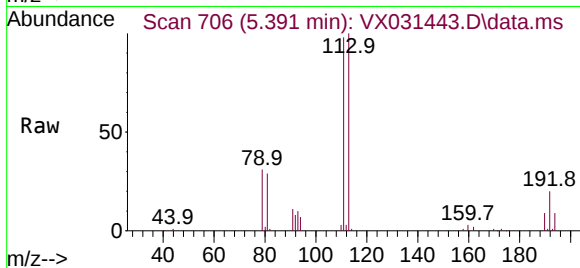
Acq: 17 Sep 2022 04:29

Instrument :

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PB147603ZHE#12



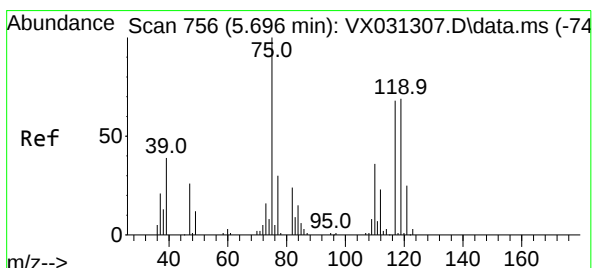
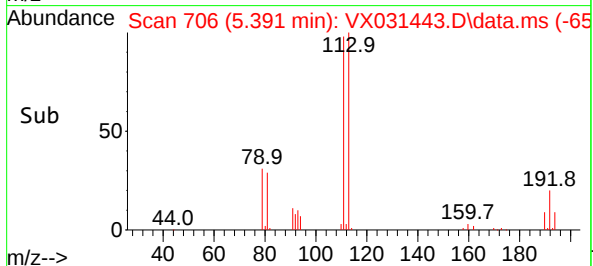
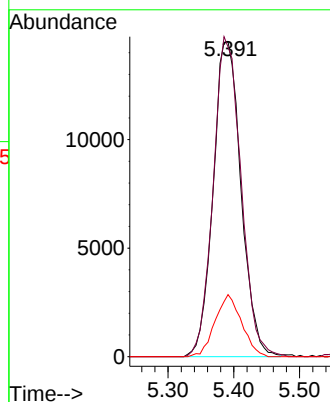
Tgt Ion:113 Resp: 42761

Ion Ratio Lower Upper

113 100

111 101.4 82.4 123.6

192 18.8 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.278 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031443.D

Acq: 17 Sep 2022 04:29

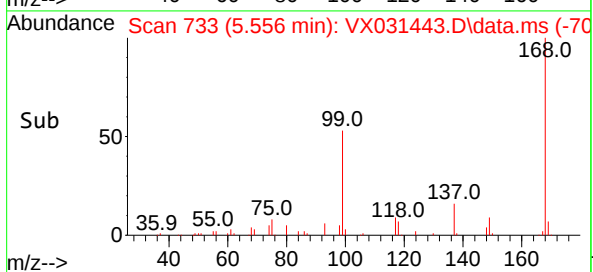
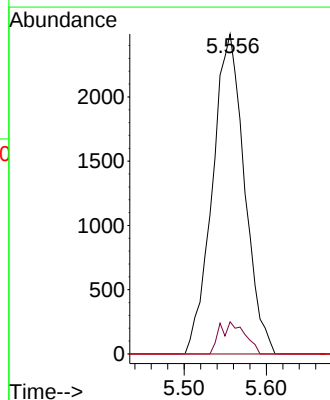
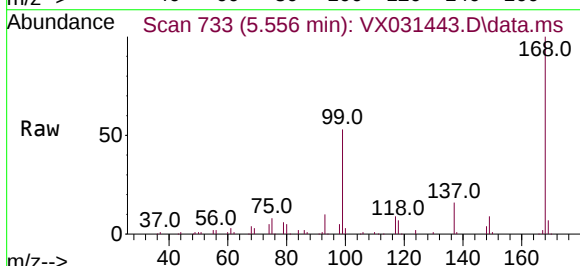
Tgt Ion: 75 Resp: 6740

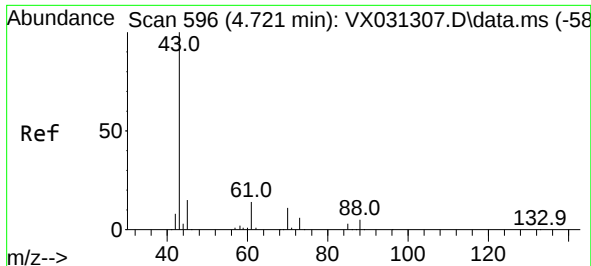
Ion Ratio Lower Upper

75 100

110 7.9 17.5 52.5#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.489 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX031443.D

Acq: 17 Sep 2022 04:29

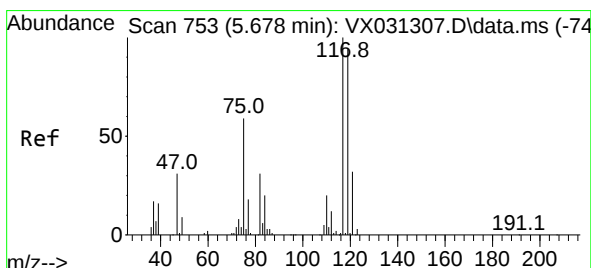
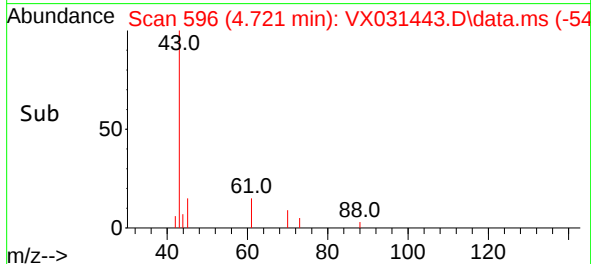
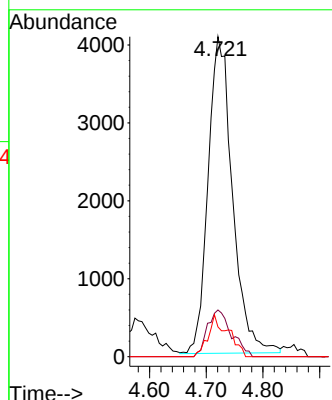
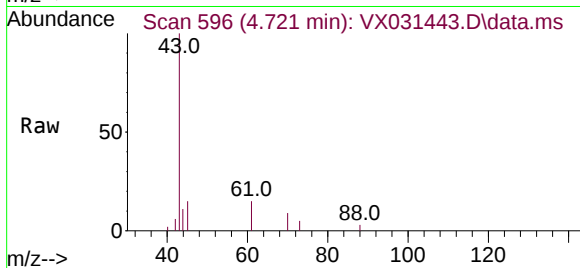
Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#12

Tgt Ion:	43	Resp:	12130
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.1	16.7
70	10.8	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.684 ug/l

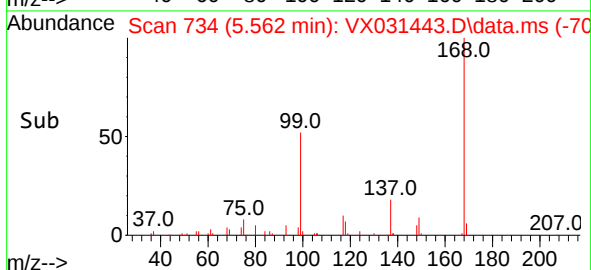
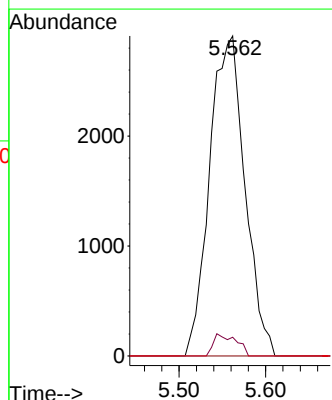
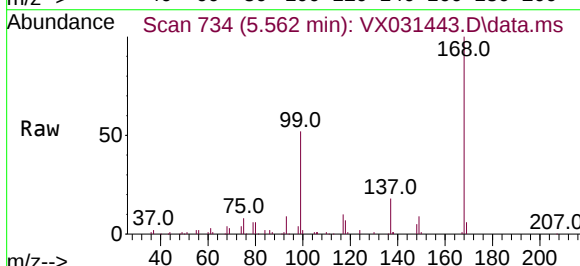
RT: 5.562 min Scan# 734

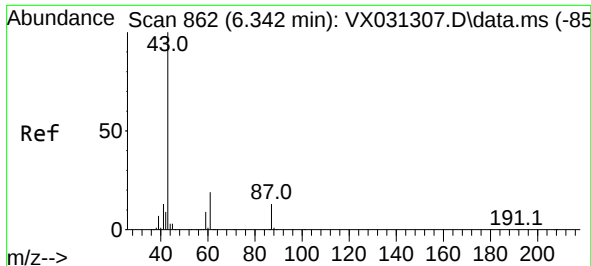
Delta R.T. -0.116 min

Lab File: VX031443.D

Acq: 17 Sep 2022 04:29

Tgt Ion:	117	Resp:	8234
Ion	Ratio	Lower	Upper
117	100		
119	5.9	74.6	112.0#
121	0.0	25.3	37.9#

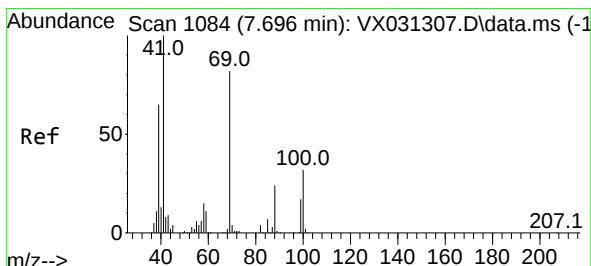
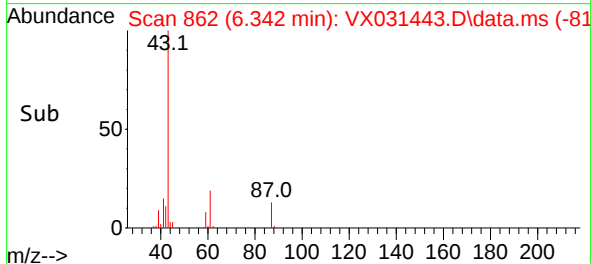
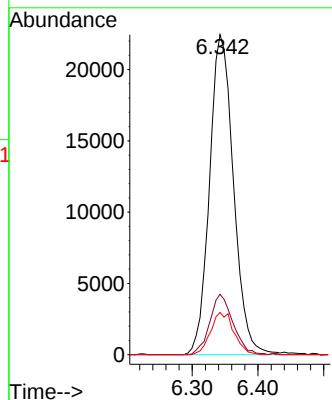
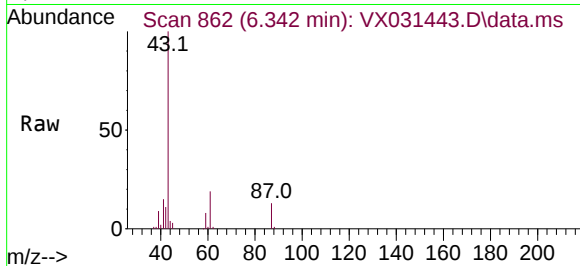




#43
Isopropyl Acetate
Concen: 12.370 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

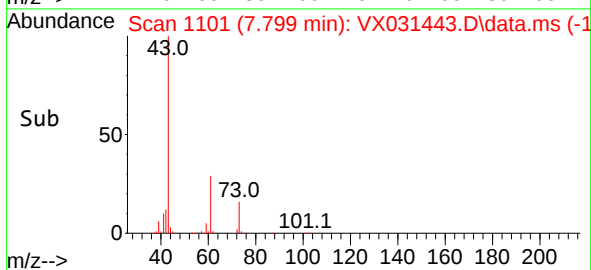
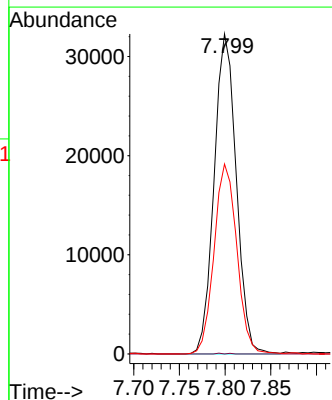
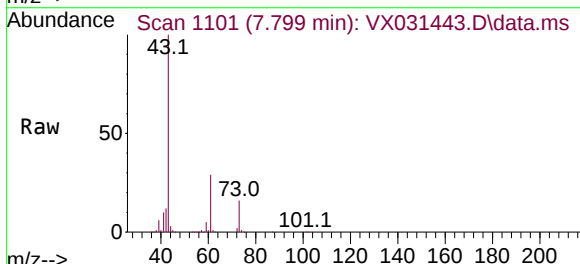
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#12

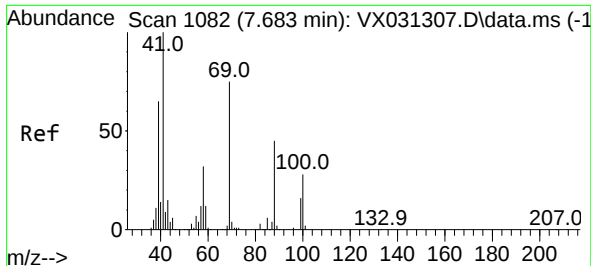
Tgt Ion:	43	Resp:	57056
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.3	22.9
87	12.8	10.6	15.8



#48
Methyl methacrylate
Concen: 25.960 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Tgt Ion:	41	Resp:	54509
Ion	Ratio	Lower	Upper
41	100		
69	0.1	64.6	96.8#
39	61.0	51.4	77.0





#49

1,4-Dioxane

Concen: 1.710 ug/l

RT: 7.811 min Scan# 1103

Delta R.T. 0.128 min

Lab File: VX031443.D

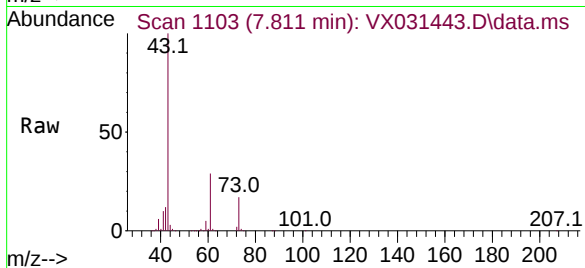
Acq: 17 Sep 2022 04:29

Instrument :

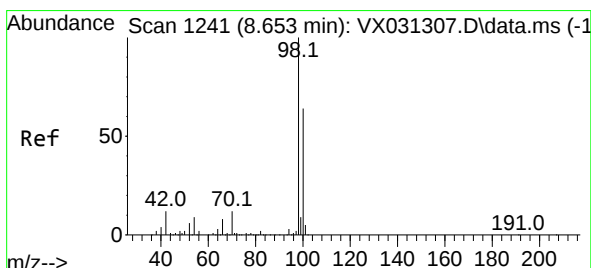
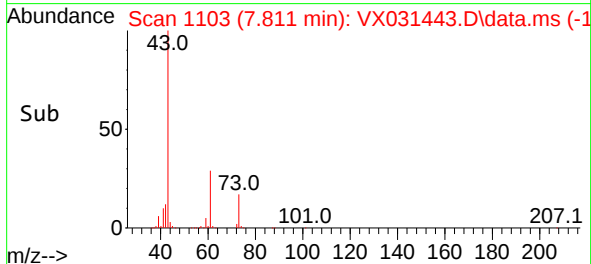
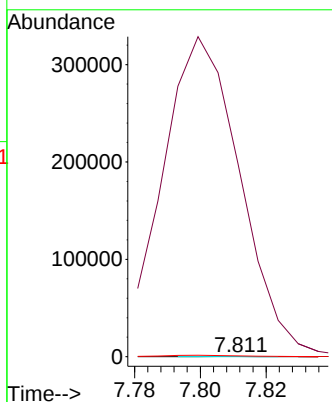
MSVOA_X

ClientSampleId :

PB147603ZHE#12



Tgt Ion:	88	Resp:	72
Ion Ratio	Lower	Upper	
88	100		
43	769429.2	27.1	40.7#
58	3415.3	53.9	80.9#



#50

Toluene-d8

Concen: 30.152 ug/l

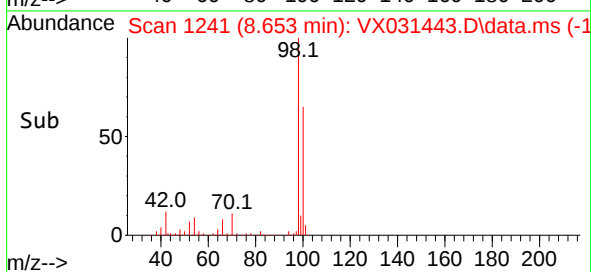
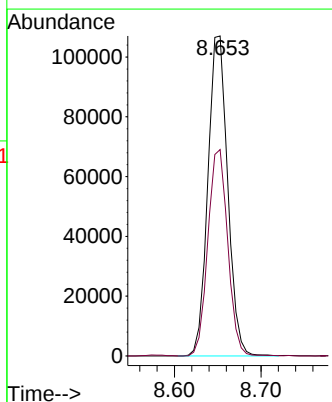
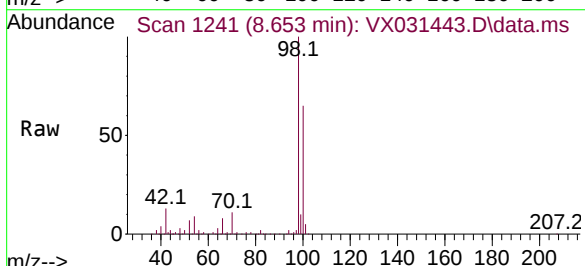
RT: 8.653 min Scan# 1241

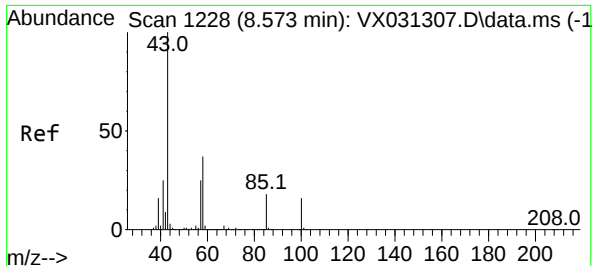
Delta R.T. 0.000 min

Lab File: VX031443.D

Acq: 17 Sep 2022 04:29

Tgt Ion:	98	Resp:	169914
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 17.459 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031443.D

Acq: 17 Sep 2022 04:29

Instrument :

MSVOA_X

ClientSampleId :

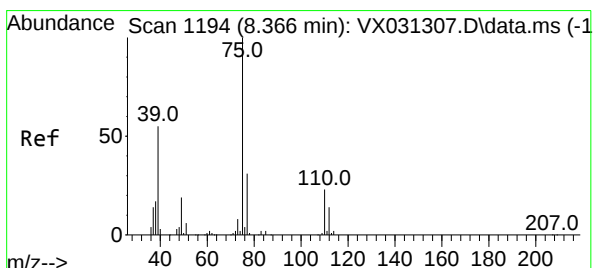
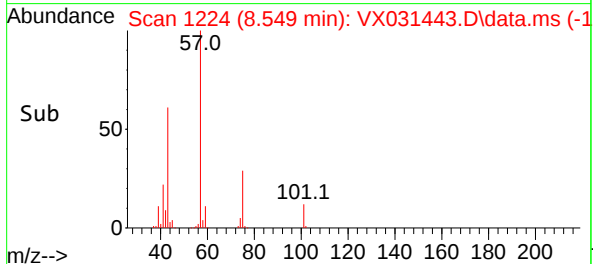
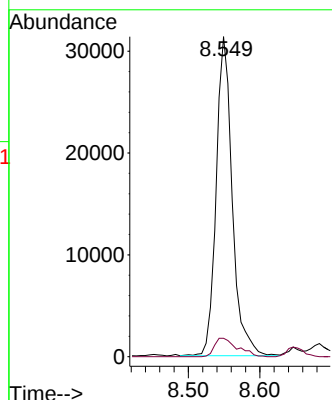
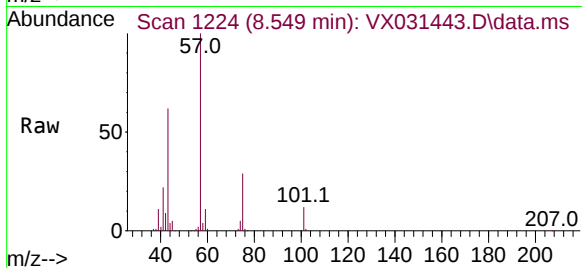
PB147603ZHE#12

Tgt Ion: 43 Resp: 48948

Ion Ratio Lower Upper

43 100

58 8.2 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.906 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031443.D

Acq: 17 Sep 2022 04:29

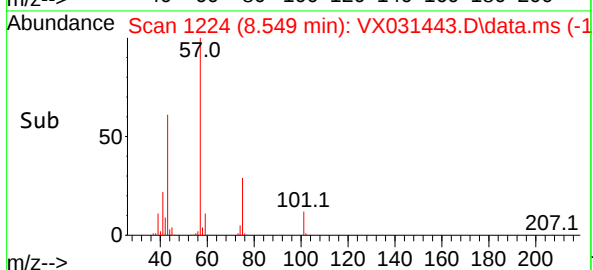
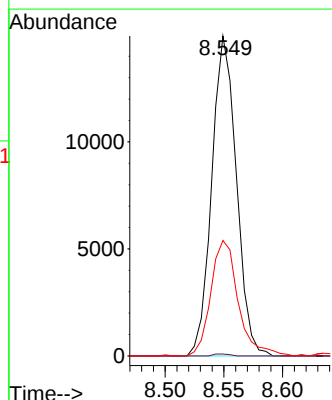
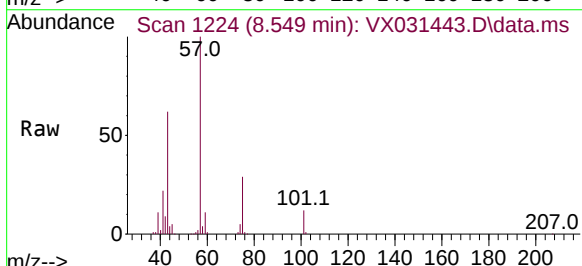
Tgt Ion: 75 Resp: 21802

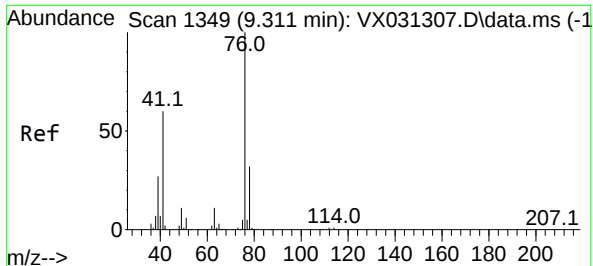
Ion Ratio Lower Upper

75 100

77 0.6 24.4 36.6#

39 36.1 43.7 65.5#

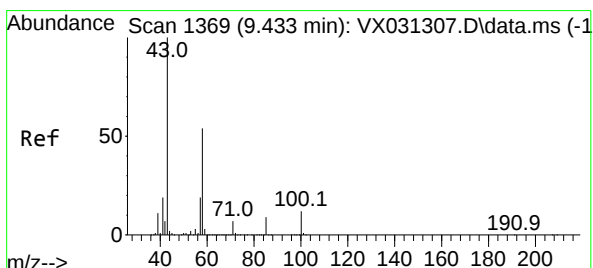
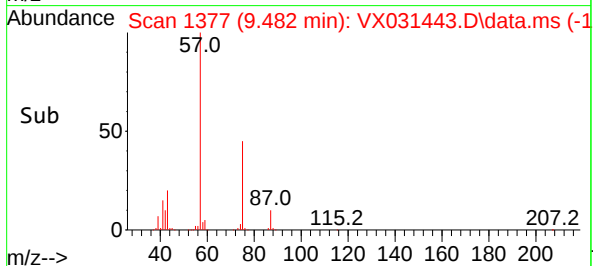
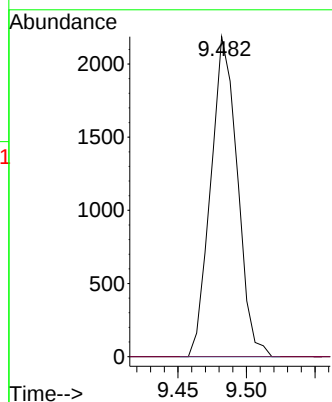
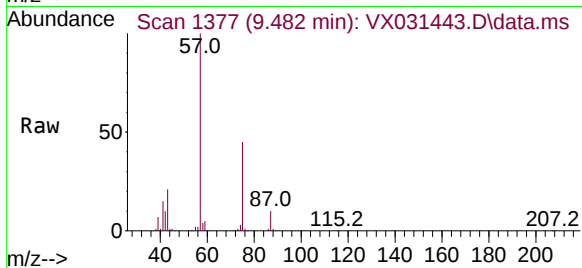




#57
1,3-Dichloropropane
Concen: 1.044 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

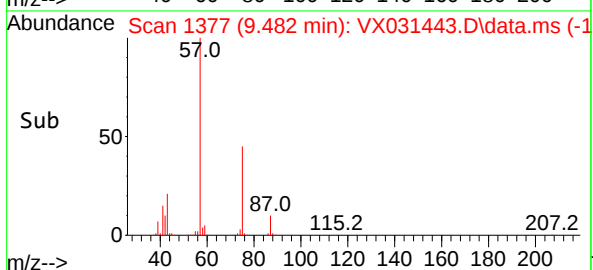
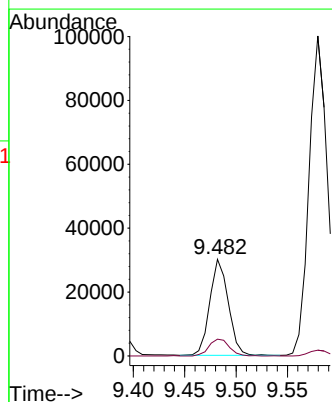
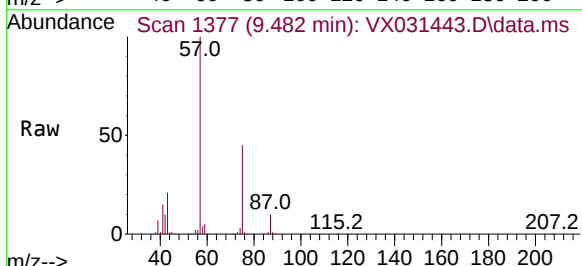
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#12

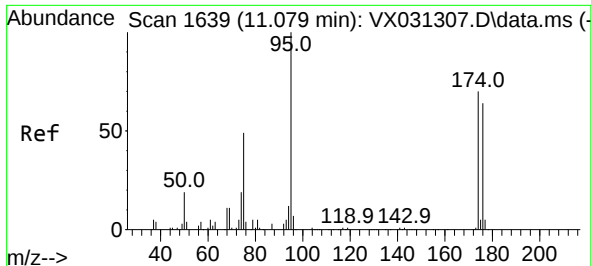
Tgt Ion: 76 Resp: 2957
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 17.614 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Tgt Ion: 43 Resp: 37690
Ion Ratio Lower Upper
43 100
58 19.3 26.7 80.0#

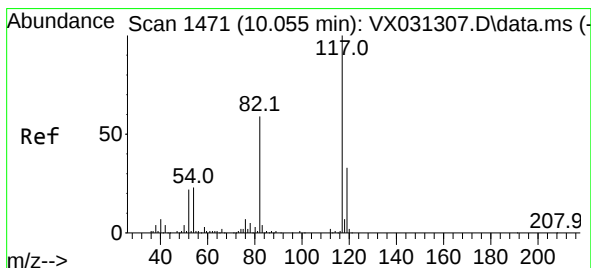
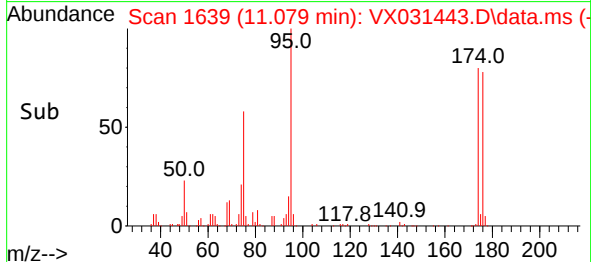
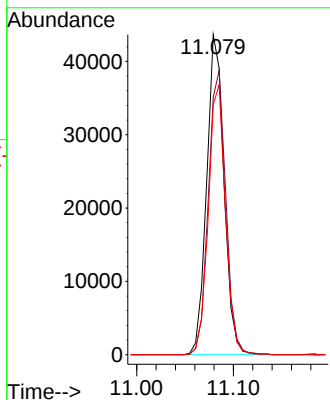
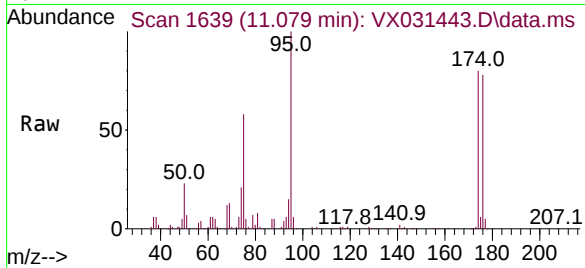




#62
4-Bromofluorobenzene
Concen: 26.423 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

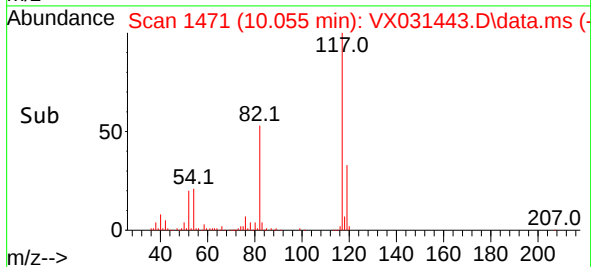
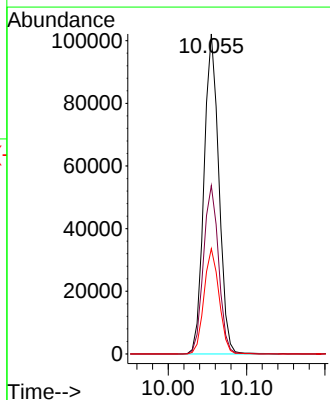
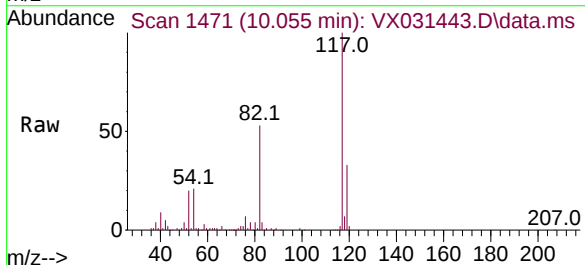
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#12

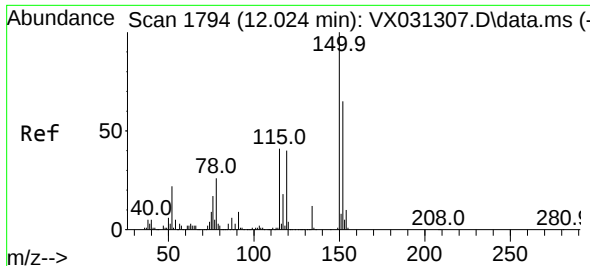
Tgt Ion: 95 Resp: 54526
Ion Ratio Lower Upper
95 100
174 89.5 0.0 153.2
176 83.5 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Tgt Ion: 117 Resp: 134162
Ion Ratio Lower Upper
117 100
82 52.6 46.8 70.2
119 32.9 26.4 39.6

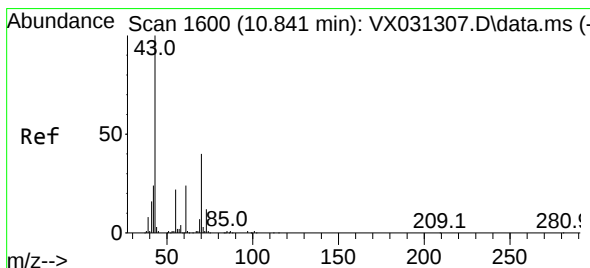
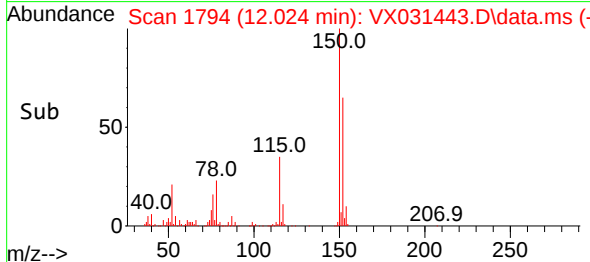
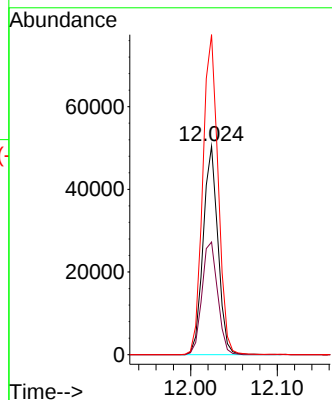
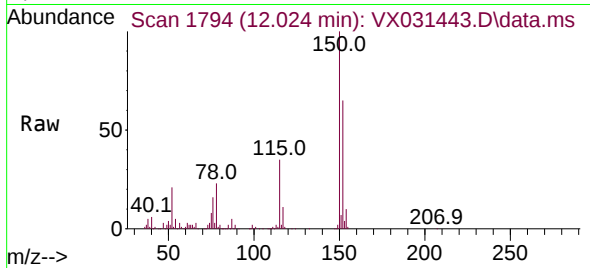




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

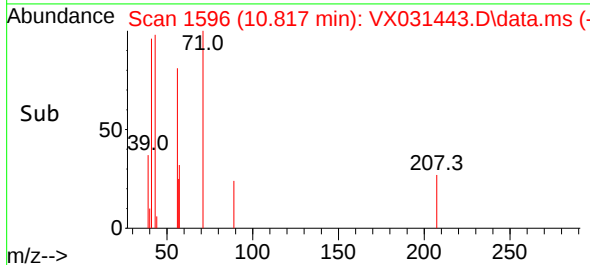
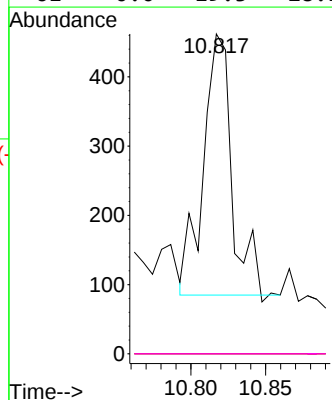
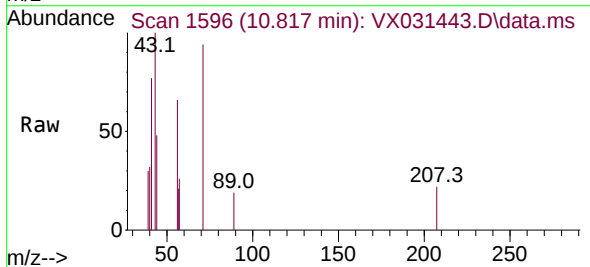
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#12

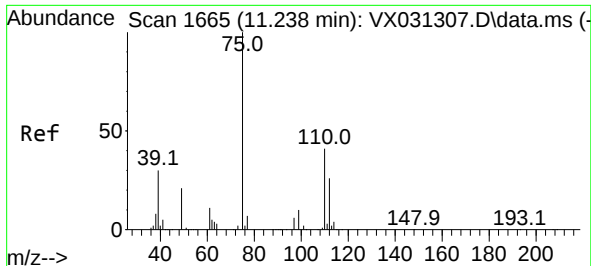
Tgt Ion:152 Resp: 59631
Ion Ratio Lower Upper
152 100
115 57.4 43.4 130.1
150 159.7 0.0 346.8



#74
N-ethyl acetate
Concen: 0.229 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Tgt Ion: 43 Resp: 501
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 18.2 27.2#
61 0.0 19.3 28.9#

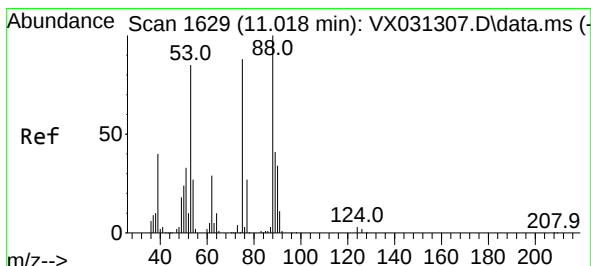
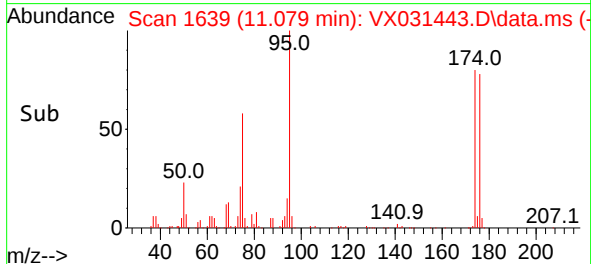
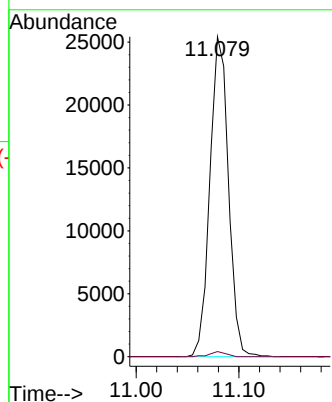
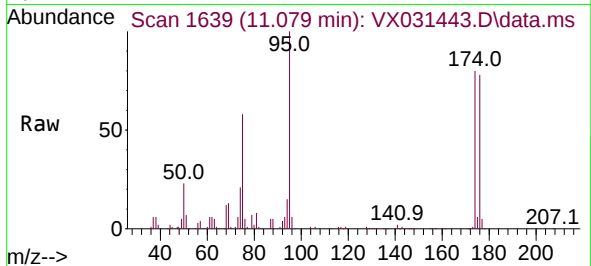




#76
1,2,3-Trichloropropane
Concen: 21.223 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#12

Tgt Ion: 75 Resp: 31892
Ion Ratio Lower Upper
75 100
77 1.4 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.725 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031443.D
Acq: 17 Sep 2022 04:29

Tgt Ion: 75 Resp: 31892
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

