

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016728.D
 Acq On : 20 Dec 2023 16:32
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 21 00:53:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 00:33:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	166084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	271606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	231180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	99289	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	177353	116.974	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 233.940%#	
35) Dibromofluoromethane	7.734	113	188043	120.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 241.720%#	
50) Toluene-d8	10.191	98	692252	123.427	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 246.860%#	
62) 4-Bromofluorobenzene	12.489	95	223803	122.996	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 246.000%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	144225	101.614	ug/l	98
3) Chloromethane	2.119	50	218717	100.251	ug/l	99
4) Vinyl Chloride	2.259	62	260240	105.604	ug/l	100
5) Bromomethane	2.662	94	187786	106.990	ug/l	96
6) Chloroethane	2.808	64	178956	107.171	ug/l	99
7) Trichlorofluoromethane	3.143	101	311907	108.651	ug/l	99
8) Diethyl Ether	3.546	74	102379	111.484	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.918	101	193982	110.156	ug/l	100
10) Methyl Iodide	4.113	142	214639	116.968	ug/l	98
11) Tert butyl alcohol	4.985	59	62965	507.071	ug/l	99
12) 1,1-Dichloroethene	3.893	96	177307	113.084	ug/l	99
13) Acrolein	3.747	56	48123	Below Cal		100
14) Allyl chloride	4.503	41	276100	114.968	ug/l	100
15) Acrylonitrile	5.186	53	226429	582.230	ug/l	100
16) Acetone	3.966	43	197630	482.036	ug/l	100
17) Carbon Disulfide	4.216	76	485561	113.816	ug/l	99
18) Methyl Acetate	4.497	43	201453	125.732	ug/l	100
19) Methyl tert-butyl Ether	5.241	73	472211	117.048	ug/l	99
20) Methylene Chloride	4.741	84	203309	111.412	ug/l	98
21) trans-1,2-Dichloroethene	5.241	96	202996	113.519	ug/l	98
22) Diisopropyl ether	6.137	45	630659	116.075	ug/l	97
23) Vinyl Acetate	6.076	43	1498732	583.243	ug/l	100
24) 1,1-Dichloroethane	6.039	63	361364	110.720	ug/l	98
25) 2-Butanone	7.003	43	296392	525.071	ug/l	98
26) 2,2-Dichloropropane	7.003	77	317646	111.527	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	232695	113.066	ug/l	98
28) Bromochloromethane	7.350	49	137974	106.809	ug/l	99
29) Tetrahydrofuran	7.368	42	185896	602.274	ug/l	99
30) Chloroform	7.521	83	369406	110.562	ug/l	99
31) Cyclohexane	7.801	56	314843	108.383	ug/l	98
32) 1,1,1-Trichloroethane	7.722	97	323839	110.419	ug/l	99
36) 1,1-Dichloropropene	7.935	75	286682	114.938	ug/l	99
37) Ethyl Acetate	7.088	43	130199	119.268	ug/l	99
38) Carbon Tetrachloride	7.917	117	285125	115.522	ug/l	98
39) Methylcyclohexane	9.197	83	359465	124.824	ug/l	99
40) Benzene	8.173	78	840774	115.836	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	69218	121.944	ug/l	91
42) 1,2-Dichloroethane	8.252	62	221053	116.734	ug/l	100
43) Isopropyl Acetate	8.283	43	255593	123.094	ug/l	98
44) Trichloroethene	8.953	130	214018	115.526	ug/l	97
45) 1,2-Dichloropropane	9.228	63	209763	115.209	ug/l	99
46) Dibromomethane	9.319	93	110666	117.656	ug/l	99
47) Bromodichloromethane	9.508	83	285275	115.072	ug/l	98
48) Methyl methacrylate	9.301	41	140880	120.968	ug/l	97
49) 1,4-Dioxane	9.313	88	23784	2605.246	ug/l	92
51) 4-Methyl-2-Pentanone	10.081	43	686778	620.772	ug/l	98
52) Toluene	10.252	92	520267	119.611	ug/l	100
53) t-1,3-Dichloropropene	10.478	75	277645	122.823	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	326769	119.842	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	156407	116.548	ug/l	98
56) Ethyl methacrylate	10.520	69	154475	130.904	ug/l	98
57) 1,3-Dichloropropane	10.801	76	267665	117.427	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	392681	Below Cal		100
59) 2-Hexanone	10.843	43	485925	589.041	ug/l	99
60) Dibromochloromethane	10.996	129	183943	118.487	ug/l	99
61) 1,2-Dibromoethane	11.099	107	142492	118.398	ug/l	99
64) Tetrachloroethene	10.727	164	165956	115.562	ug/l	98
65) Chlorobenzene	11.526	112	529584	116.595	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	201435	117.871	ug/l	100
67) Ethyl Benzene	11.599	91	1003722	120.062	ug/l	99
68) m/p-Xylenes	11.715	106	747485	242.130	ug/l	99
69) o-Xylene	12.038	106	349699	123.474	ug/l	100
70) Styrene	12.050	104	517586	123.503	ug/l	99
71) Bromoform	12.215	173	102623	120.451	ug/l #	98
73) Isopropylbenzene	12.337	105	934655	120.870	ug/l	100
74) N-amyl acetate	12.154	43	212703	130.694	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	178971	115.820	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	217113	197.502	ug/l #	100
77) Bromobenzene	12.617	156	198453	117.639	ug/l	99
78) n-propylbenzene	12.678	91	1124141	119.986	ug/l	100
79) 2-Chlorotoluene	12.770	91	613311	118.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	733955	119.905	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	56027	119.877	ug/l	98
82) 4-Chlorotoluene	12.867	91	626012	117.705	ug/l	100
83) tert-Butylbenzene	13.087	119	648059	121.715	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	730497	121.027	ug/l	99
85) sec-Butylbenzene	13.264	105	934936	118.552	ug/l	100
86) p-Isopropyltoluene	13.379	119	790741	120.399	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	388882	117.958	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	370811	115.188	ug/l	100
89) n-Butylbenzene	13.709	91	736992	117.389	ug/l	99
90) Hexachloroethane	13.971	117	156551	114.473	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	327937	116.763	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	23227	115.956	ug/l	99
93) 1,2,4-Trichlorobenzene	15.019	180	179855	120.686	ug/l	98
94) Hexachlorobutadiene	15.123	225	90454	106.864	ug/l	99
95) Naphthalene	15.245	128	372956	111.491	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	152156	119.881	ug/l	99

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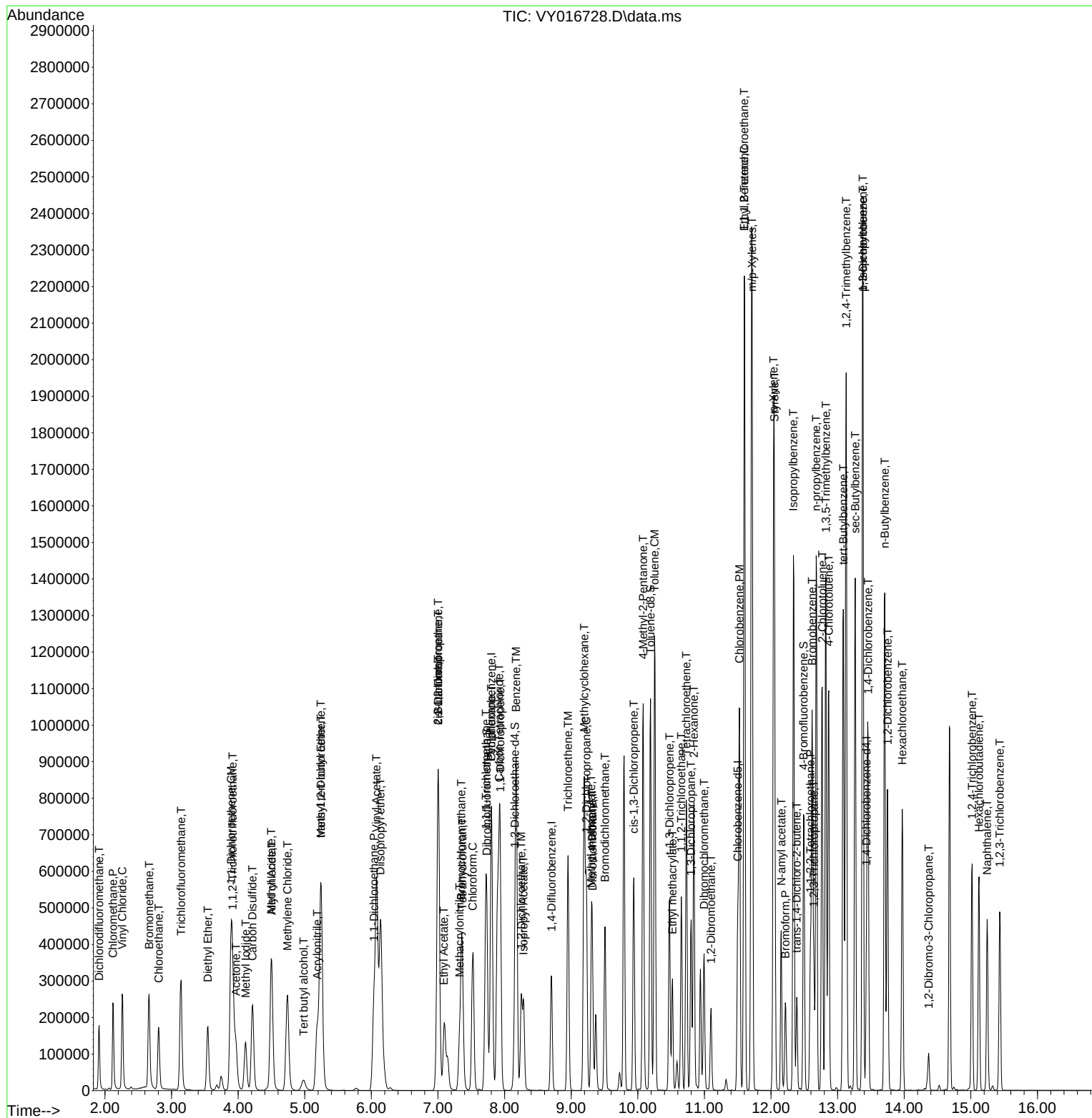
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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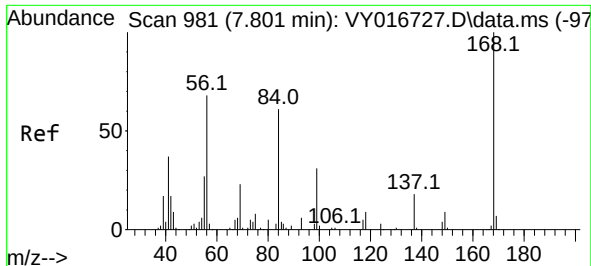
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : SY/MD
Sample : VSTDIC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDIC100

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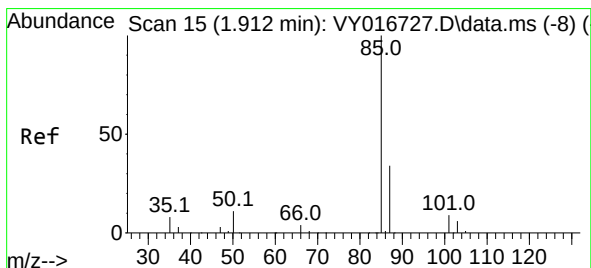
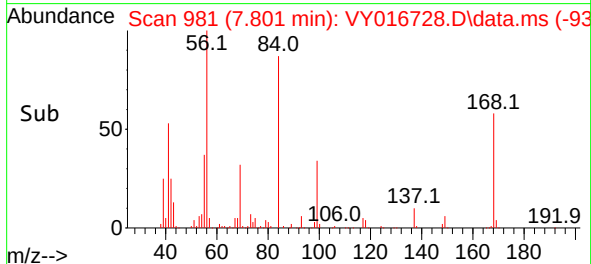
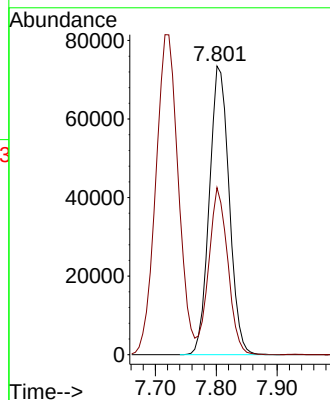
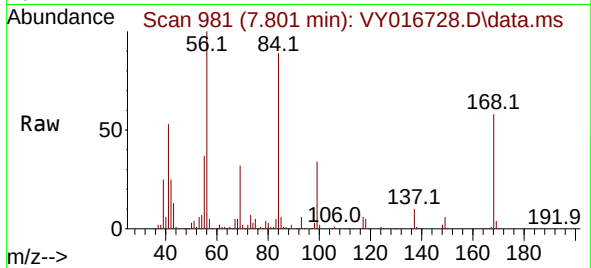




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016728.D
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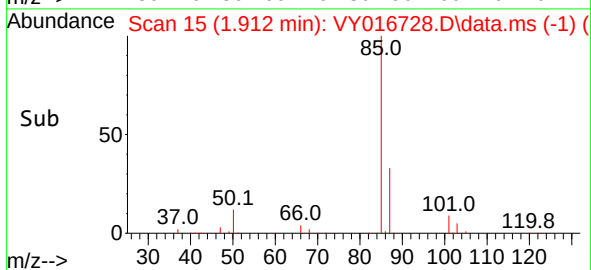
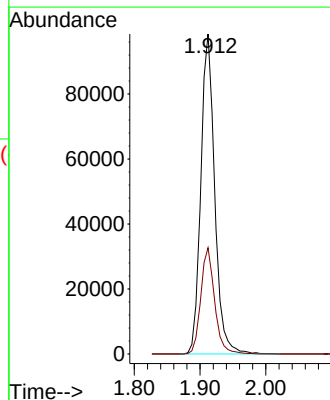
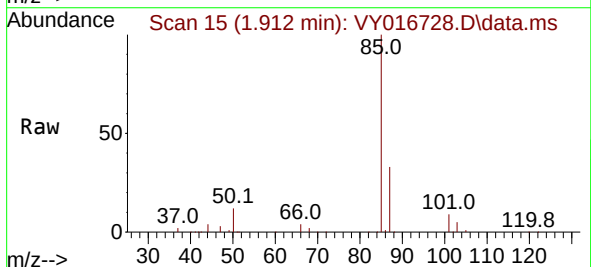
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

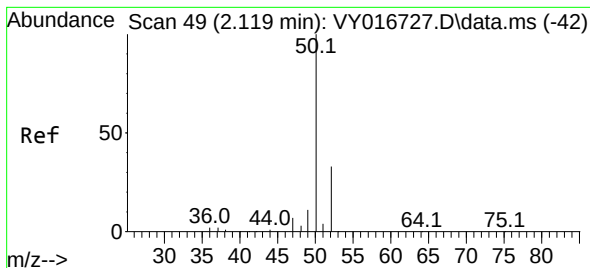
Tgt Ion:168 Resp: 166084
Ion Ratio Lower Upper
168 100
99 57.9 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 101.614 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 85 Resp: 144225
Ion Ratio Lower Upper
85 100
87 33.2 17.1 51.3





#3

Chloromethane

Concen: 100.251 ug/l

RT: 2.119 min Scan# 49

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

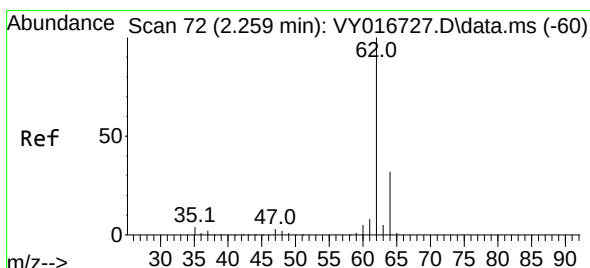
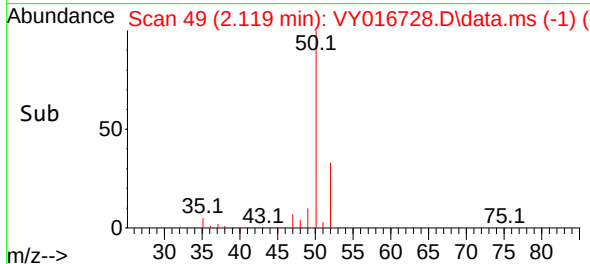
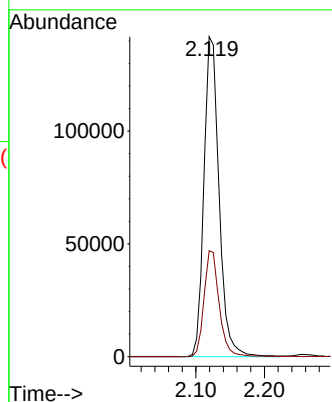
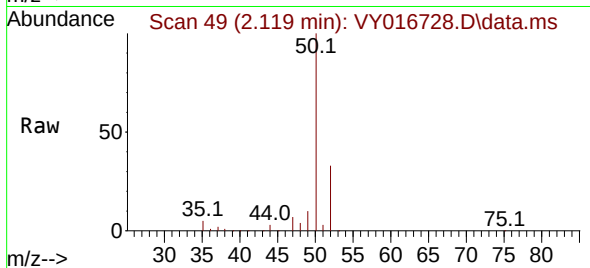
VSTDIC100

Tgt Ion: 50 Resp: 218717

Ion Ratio Lower Upper

50 100

52 33.1 26.7 40.1



#4

Vinyl Chloride

Concen: 105.604 ug/l

RT: 2.259 min Scan# 72

Delta R.T. 0.000 min

Lab File: VY016728.D

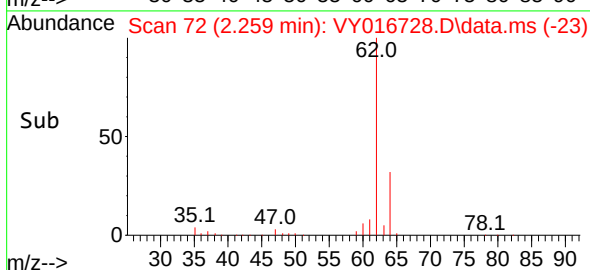
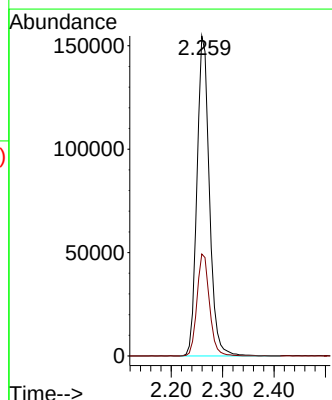
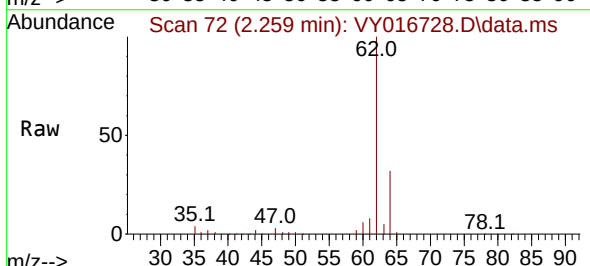
Acq: 20 Dec 2023 16:32

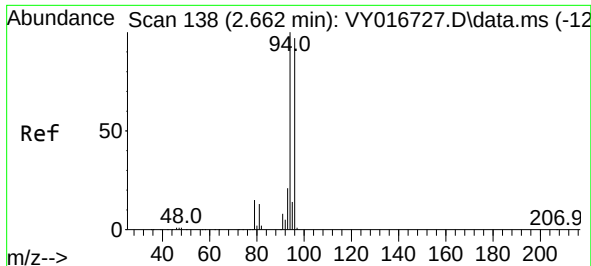
Tgt Ion: 62 Resp: 260240

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5

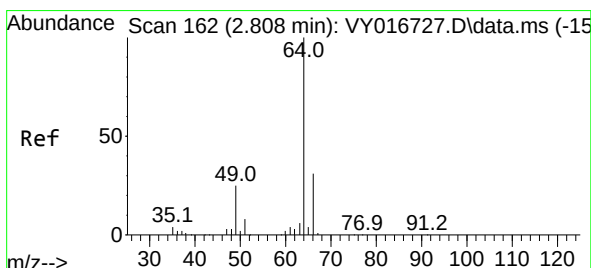
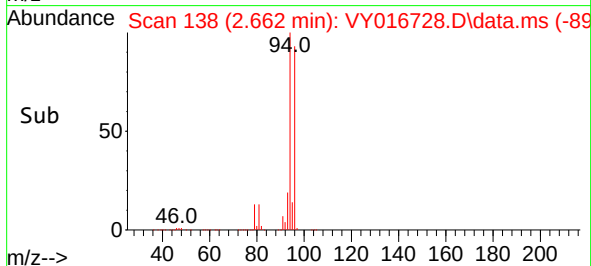
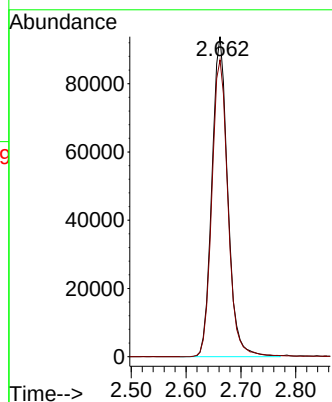
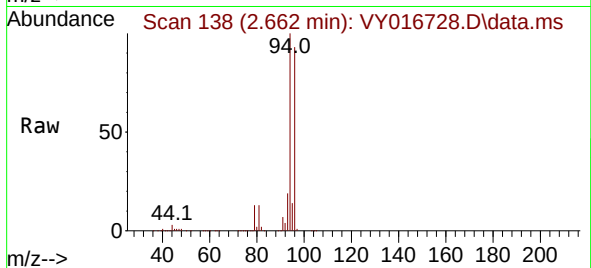




#5
Bromomethane
Concen: 106.990 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

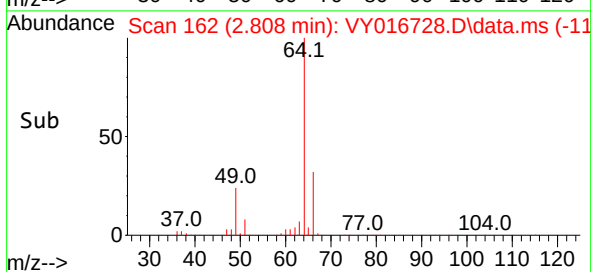
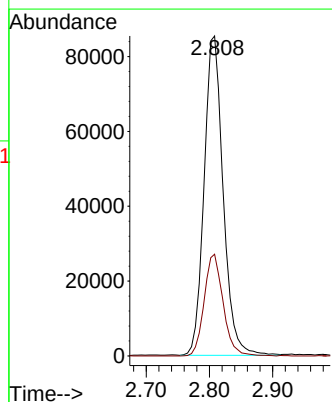
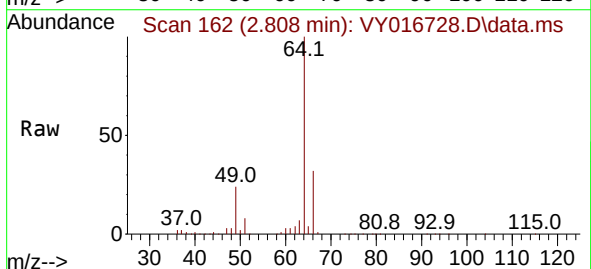
Instrument :
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ClientSampleId :
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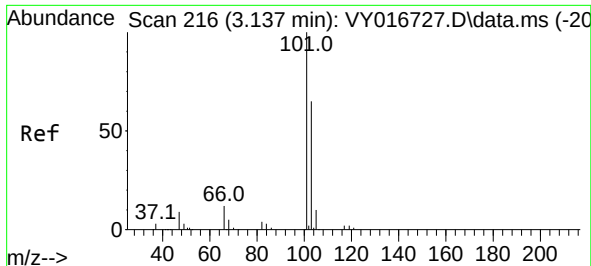
Tgt Ion: 94 Resp: 187786
Ion Ratio Lower Upper
94 100
96 92.8 77.3 115.9



#6
Chloroethane
Concen: 107.171 ug/l
RT: 2.808 min Scan# 162
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 64 Resp: 178956
Ion Ratio Lower Upper
64 100
66 31.9 25.1 37.7

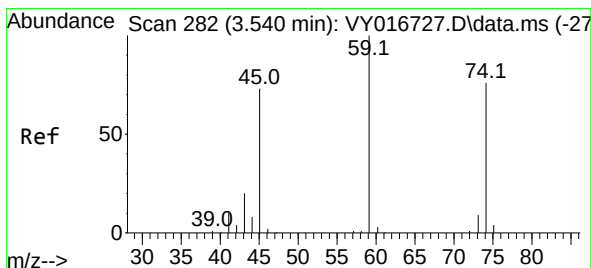
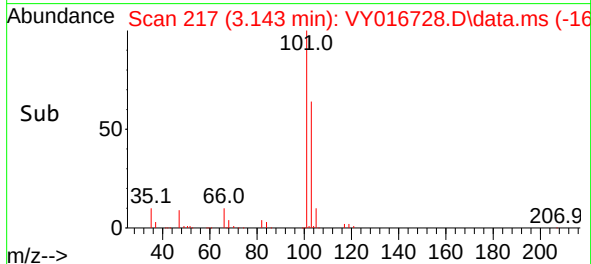
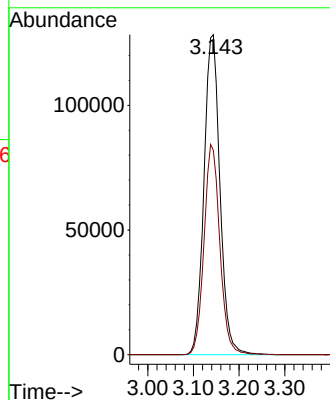
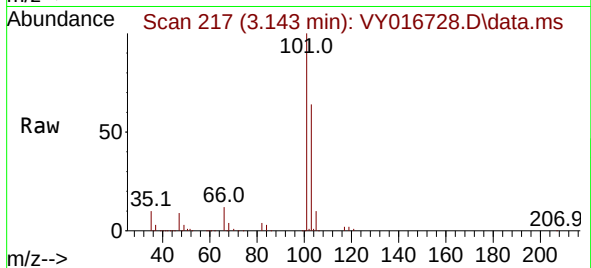




#7
Trichlorofluoromethane
Concen: 108.651 ug/l
RT: 3.143 min Scan# 216
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

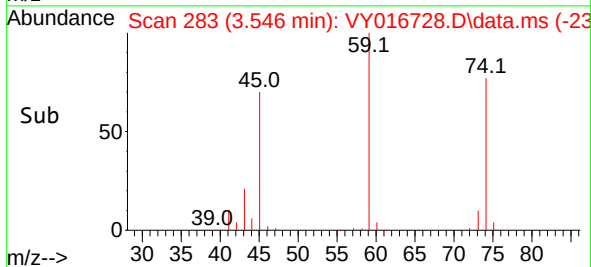
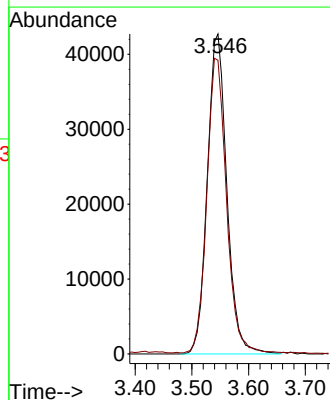
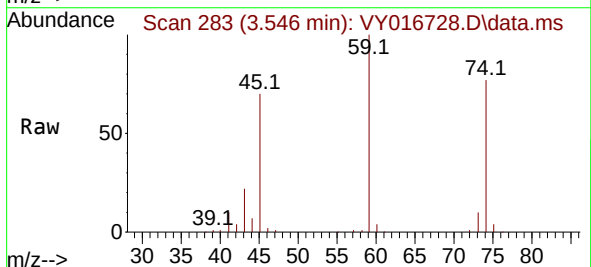
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

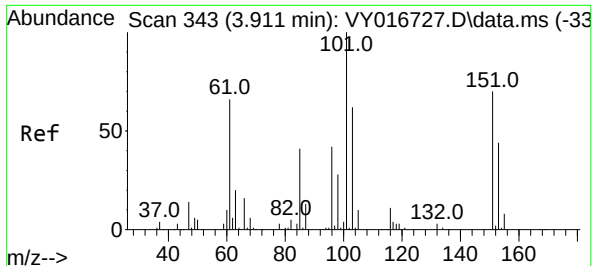
Tgt Ion:101 Resp: 311907
Ion Ratio Lower Upper
101 100
103 63.9 51.9 77.9



#8
Diethyl Ether
Concen: 111.484 ug/l
RT: 3.546 min Scan# 283
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 74 Resp: 102379
Ion Ratio Lower Upper
74 100
45 92.4 47.9 143.7

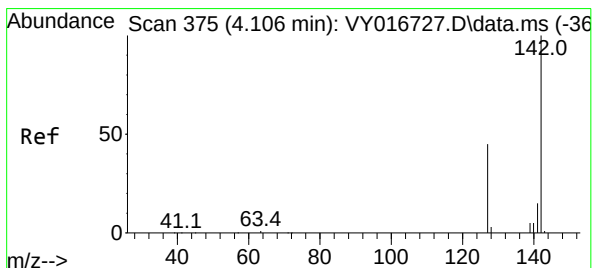
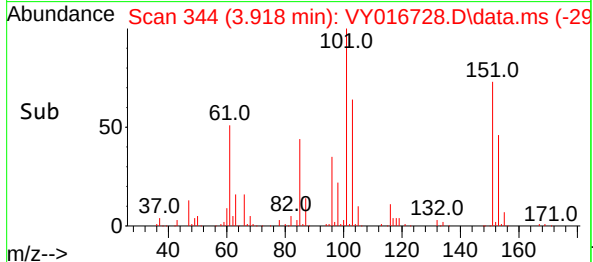
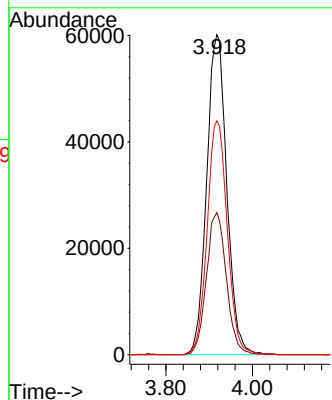
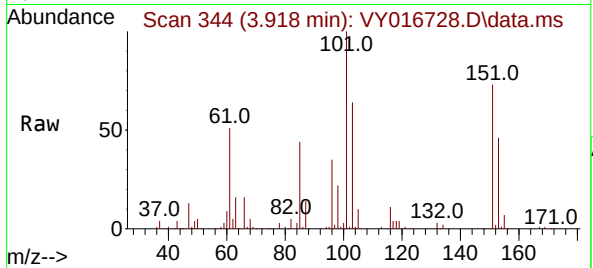




#9
1,1,2-Trichlorotrifluoroethane
Concen: 110.156 ug/l
RT: 3.918 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

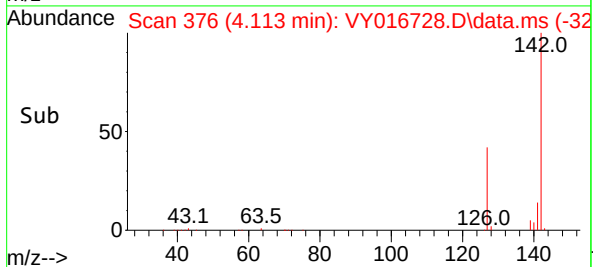
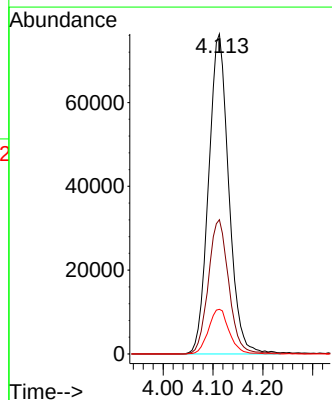
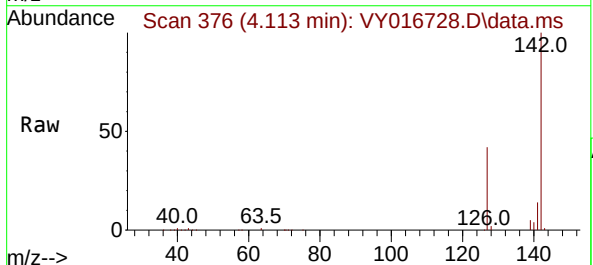
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

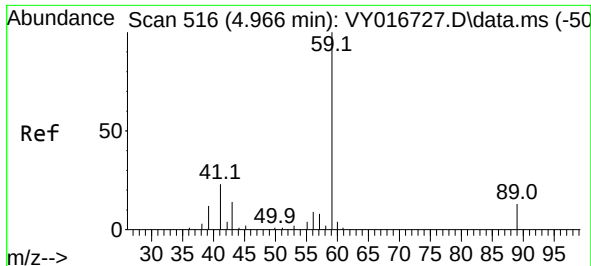
Tgt Ion:101 Resp: 193982
Ion Ratio Lower Upper
101 100
85 44.1 35.8 53.6
151 73.2 58.6 88.0



#10
Methyl Iodide
Concen: 116.968 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion:142 Resp: 214639
Ion Ratio Lower Upper
142 100
127 42.7 35.1 52.7
141 14.3 11.8 17.6

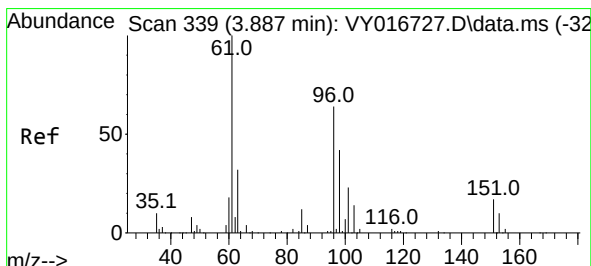
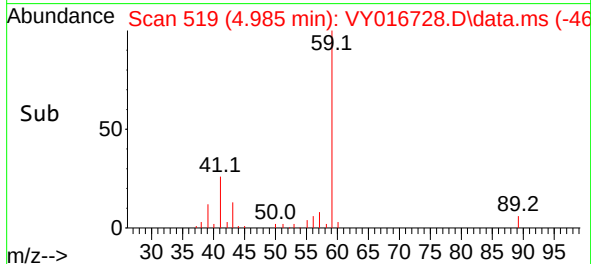
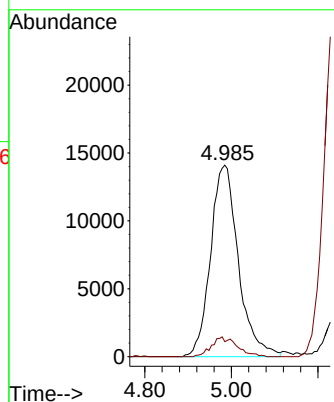
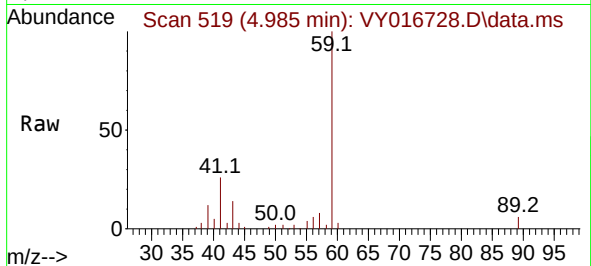




#11
Tert butyl alcohol
Concen: 507.071 ug/l
RT: 4.985 min Scan# 516
Delta R.T. 0.019 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

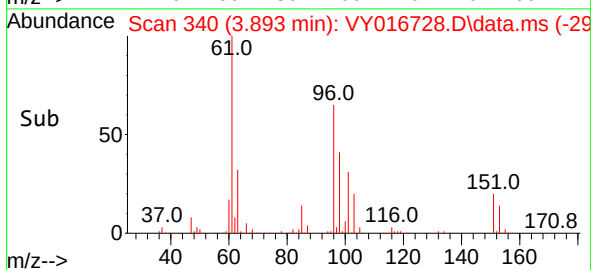
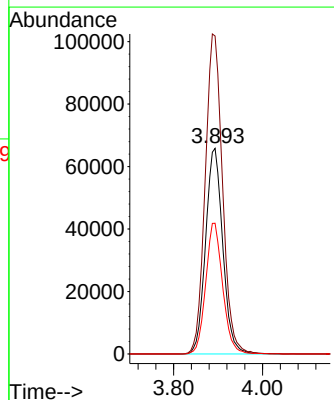
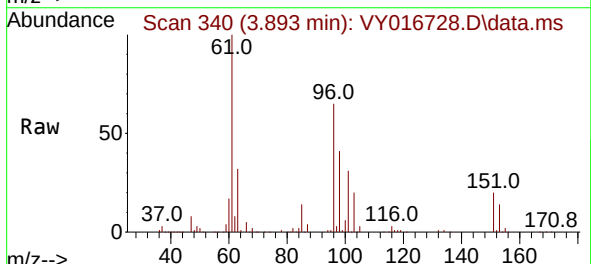
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

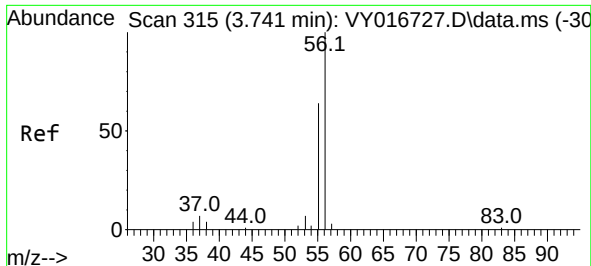
Tgt Ion: 59 Resp: 62965
Ion Ratio Lower Upper
59 100
57 9.5 7.4 11.0



#12
1,1-Dichloroethene
Concen: 113.084 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 96 Resp: 177307
Ion Ratio Lower Upper
96 100
61 154.6 124.2 186.2
98 63.6 52.6 79.0





#13

Acrolein

Concen: Below Cal

RT: 3.747 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

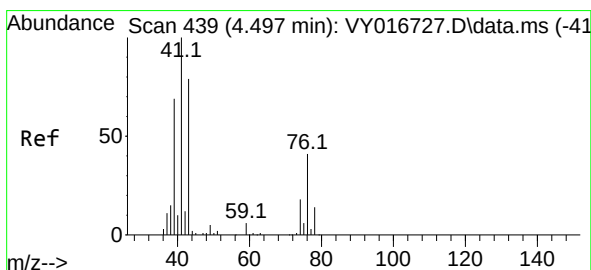
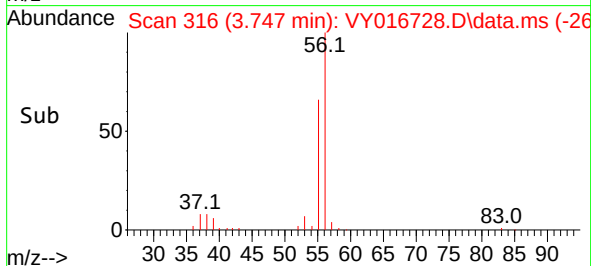
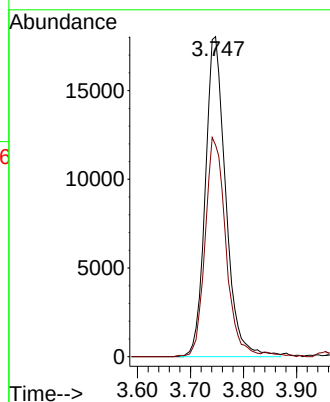
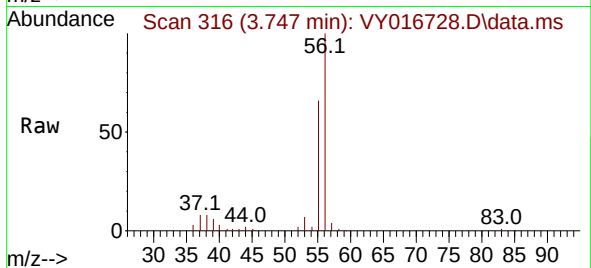
VSTDIC100

Tgt Ion: 56 Resp: 48123

Ion Ratio Lower Upper

56 100

55 69.5 55.4 83.0



#14

Allyl chloride

Concen: 114.968 ug/l

RT: 4.503 min Scan# 440

Delta R.T. 0.006 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

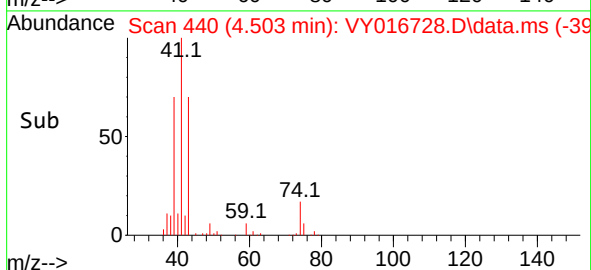
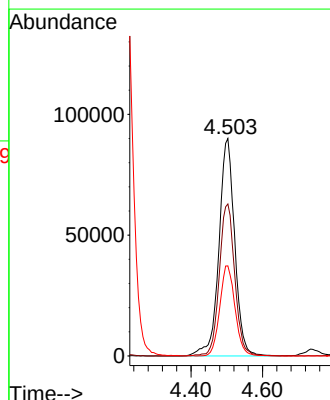
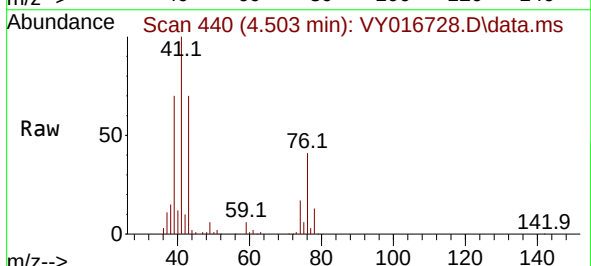
Tgt Ion: 41 Resp: 276100

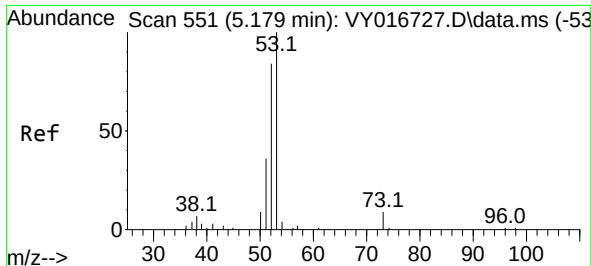
Ion Ratio Lower Upper

41 100

39 68.7 54.7 82.1

76 40.0 31.8 47.6

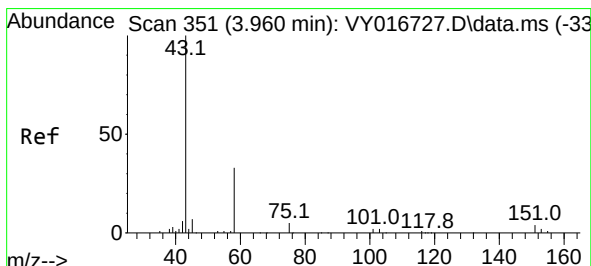
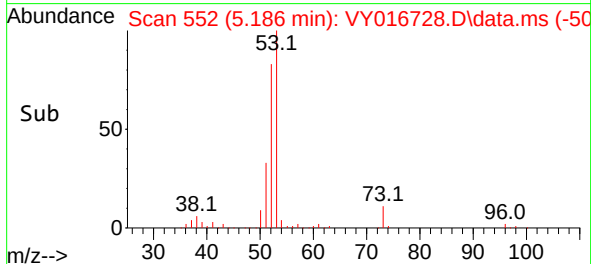
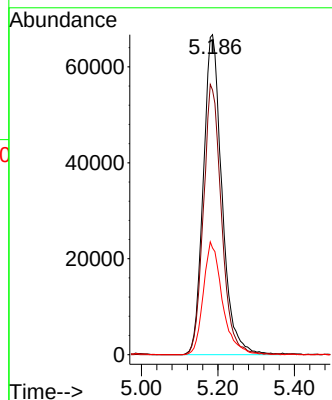
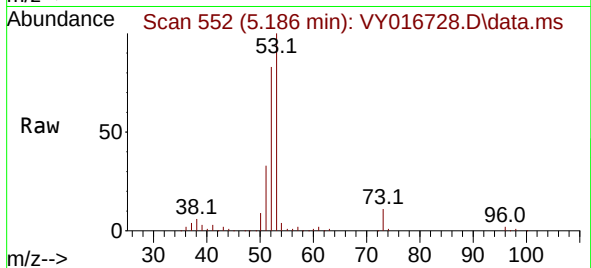




#15
Acrylonitrile
Concen: 582.230 ug/l
RT: 5.186 min Scan# 51
Delta R.T. 0.007 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

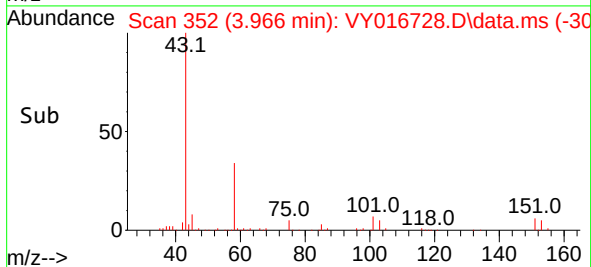
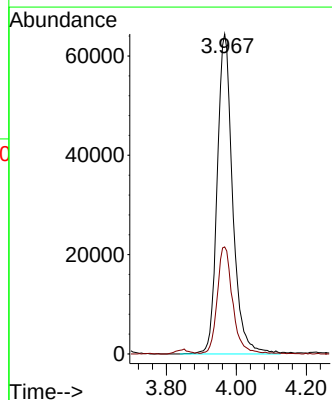
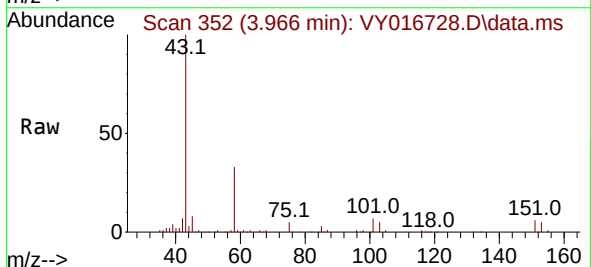
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

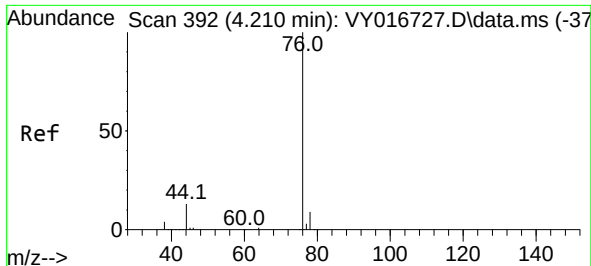
Tgt Ion: 53 Resp: 226429
Ion Ratio Lower Upper
53 100
52 81.8 65.1 97.7
51 36.0 29.0 43.4



#16
Acetone
Concen: 482.036 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 43 Resp: 197630
Ion Ratio Lower Upper
43 100
58 33.2 26.6 39.8

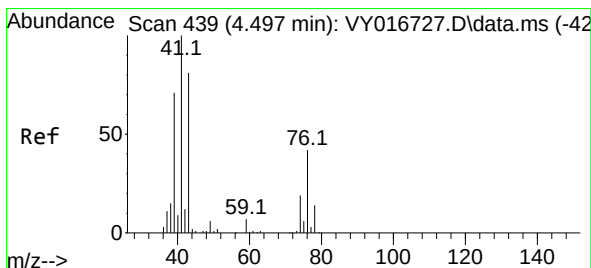
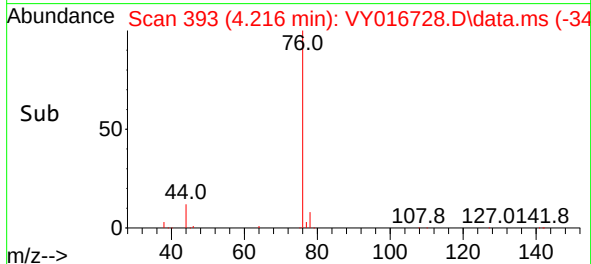
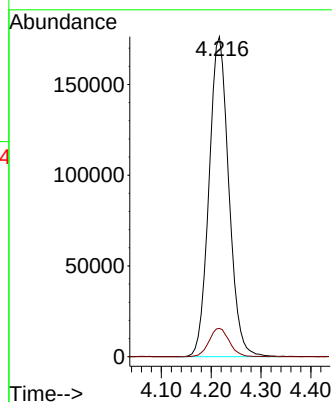
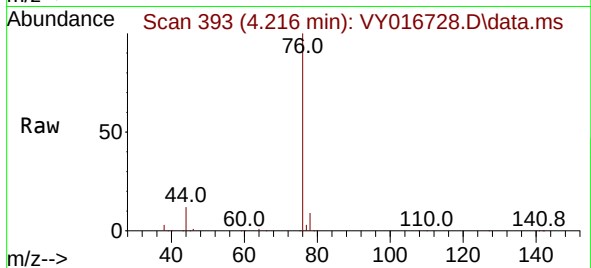




#17
Carbon Disulfide
Concen: 113.816 ug/l
RT: 4.216 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

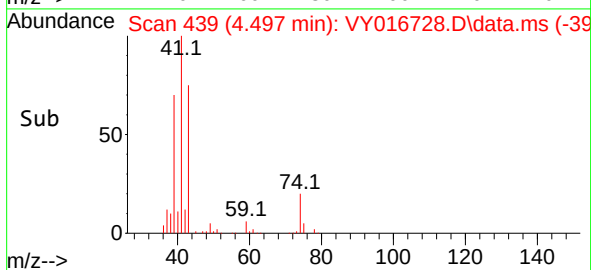
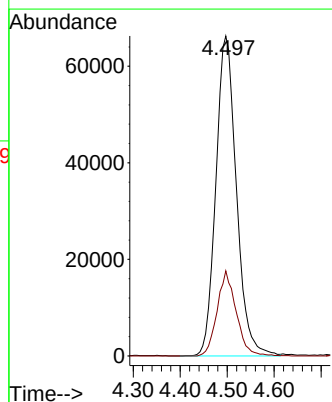
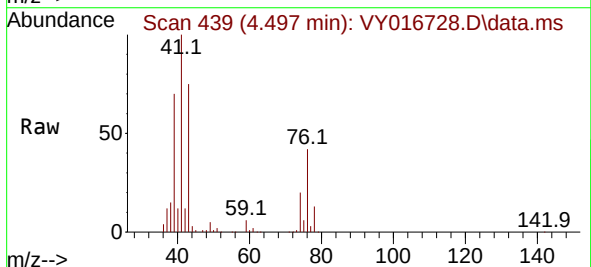
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

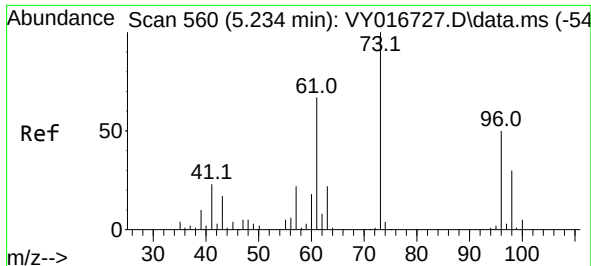
Tgt Ion: 76 Resp: 485561
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 125.732 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 43 Resp: 201453
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.6

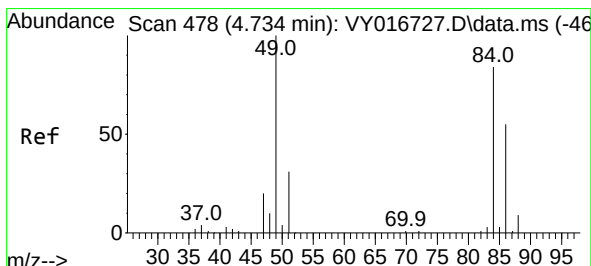
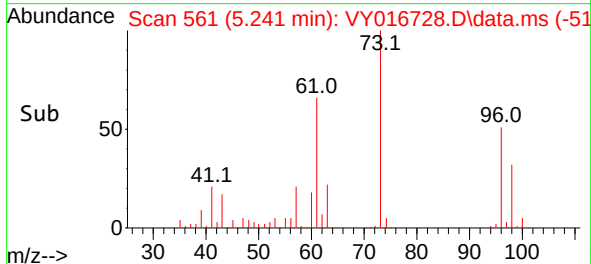
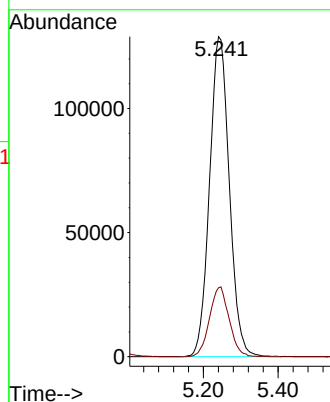
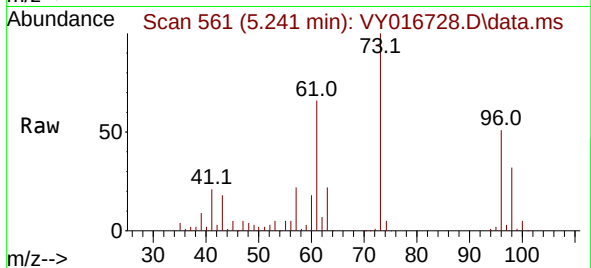




#19
Methyl tert-butyl Ether
Concen: 117.048 ug/l
RT: 5.241 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

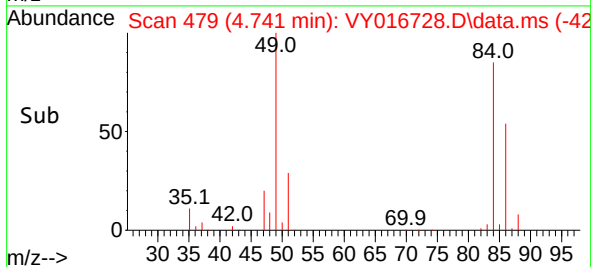
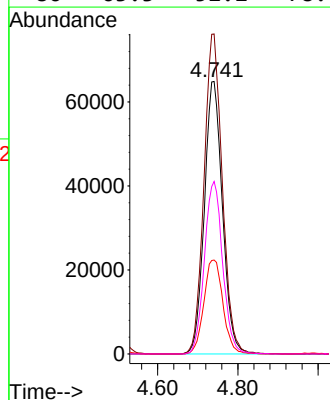
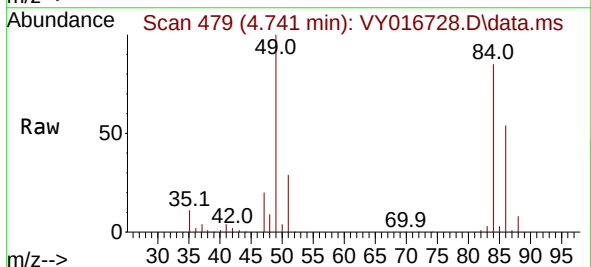
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

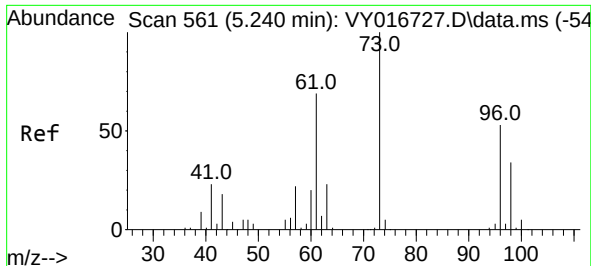
Tgt Ion: 73 Resp: 472211
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5



#20
Methylene Chloride
Concen: 111.412 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.007 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 84 Resp: 203309
Ion Ratio Lower Upper
84 100
49 117.4 95.2 142.8
51 34.5 29.9 44.9
86 63.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 113.519 ug/l

RT: 5.241 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

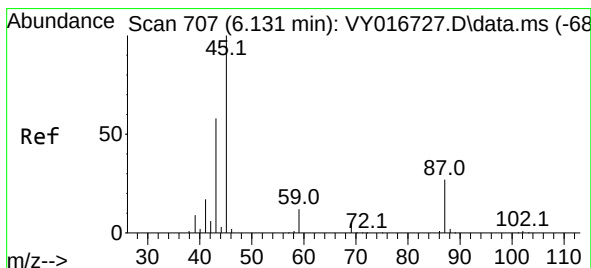
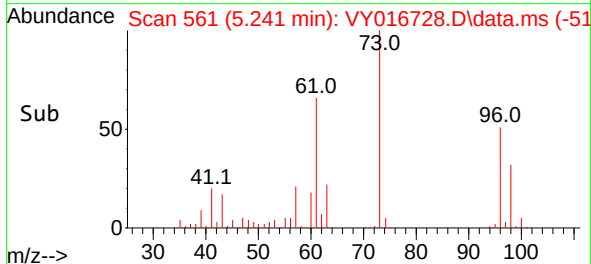
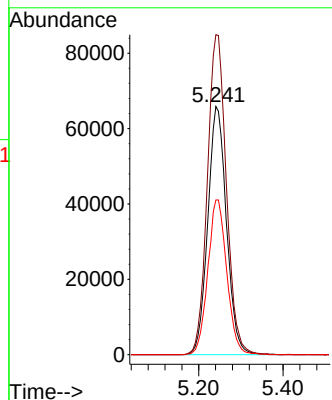
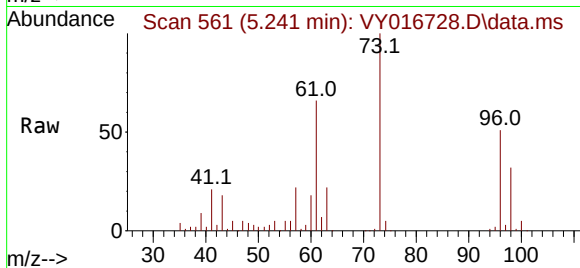
Tgt Ion: 96 Resp: 202996

Ion Ratio Lower Upper

96 100

61 128.9 104.6 156.8

98 62.3 50.9 76.3



#22

Diisopropyl ether

Concen: 116.075 ug/l

RT: 6.137 min Scan# 708

Delta R.T. 0.006 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Tgt Ion: 45 Resp: 630659

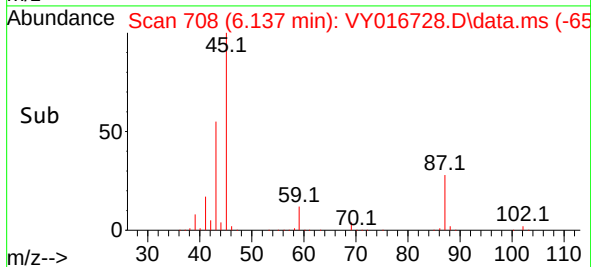
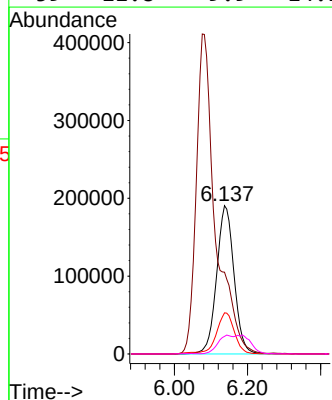
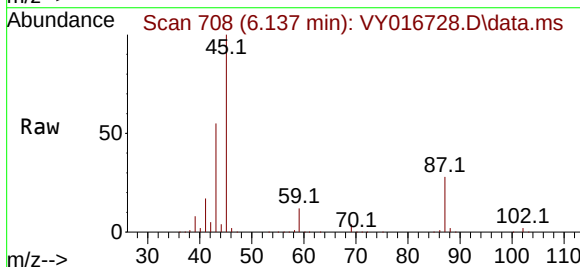
Ion Ratio Lower Upper

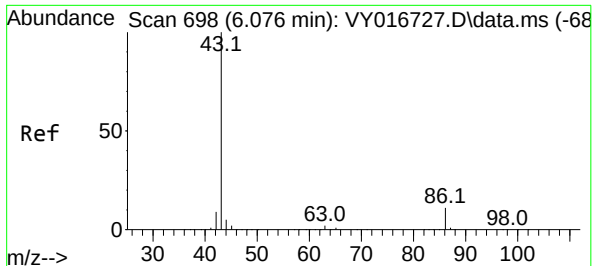
45 100

43 54.8 46.8 70.2

87 27.7 22.2 33.2

59 11.8 9.9 14.9

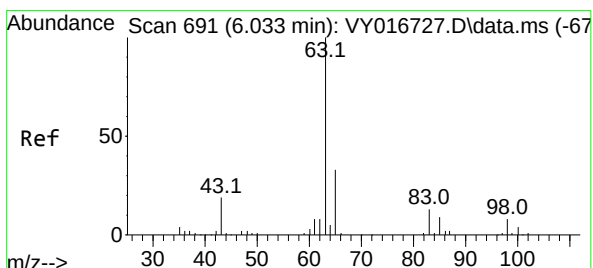
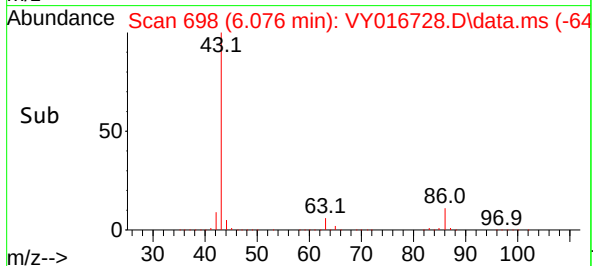
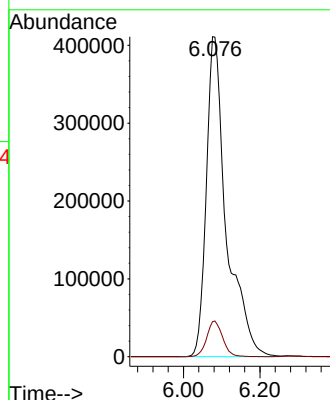
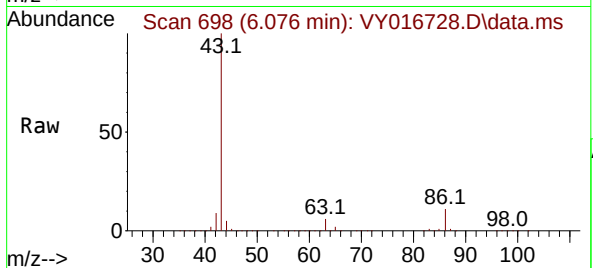




#23
 Vinyl Acetate
 Concen: 583.243 ug/l
 RT: 6.076 min Scan# 698
 Delta R.T. -0.000 min
 Lab File: VY016728.D
 Acq: 20 Dec 2023 16:32

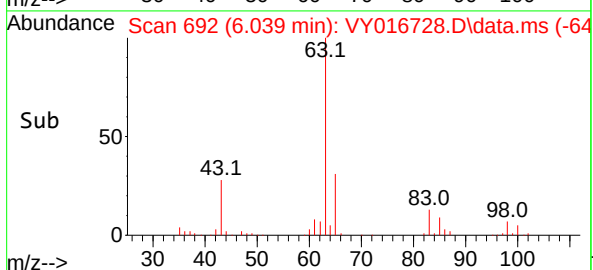
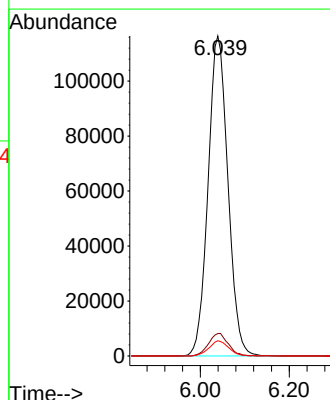
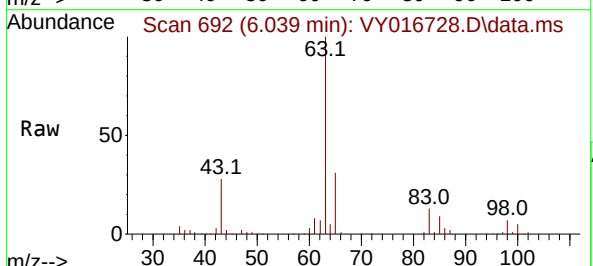
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

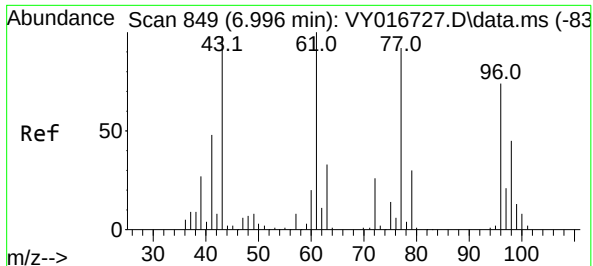
Tgt Ion: 43 Resp: 1498732
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 110.720 ug/l
 RT: 6.039 min Scan# 692
 Delta R.T. 0.006 min
 Lab File: VY016728.D
 Acq: 20 Dec 2023 16:32

Tgt Ion: 63 Resp: 361364
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.8 11.4
 100 4.7 2.1 6.2





#25

2-Butanone

Concen: 525.071 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.007 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

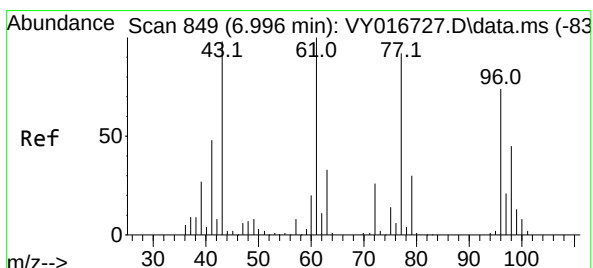
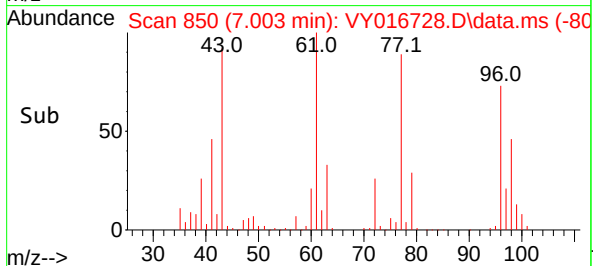
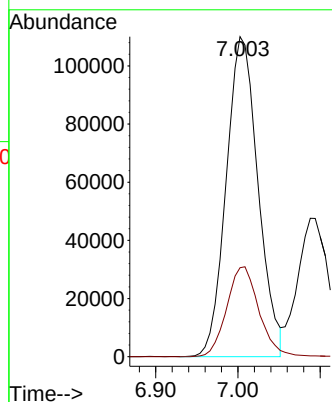
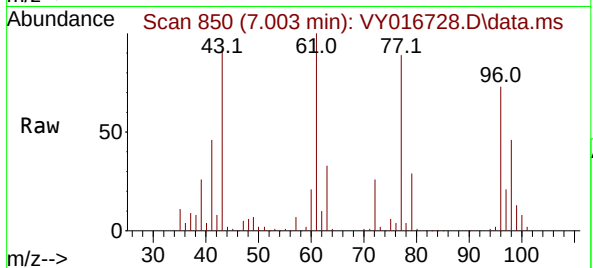
VSTDIC100

Tgt Ion: 43 Resp: 296392

Ion Ratio Lower Upper

43 100

72 27.8 21.4 32.2



#26

2,2-Dichloropropane

Concen: 111.527 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY016728.D

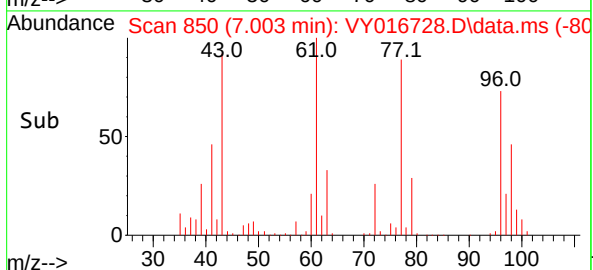
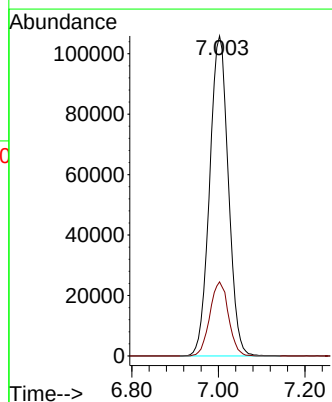
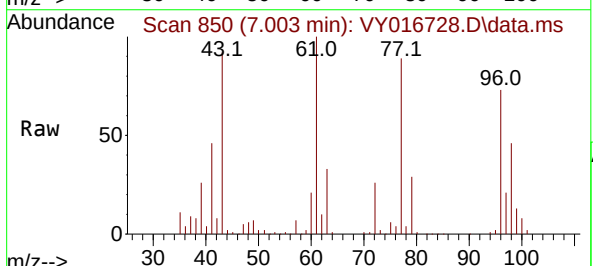
Acq: 20 Dec 2023 16:32

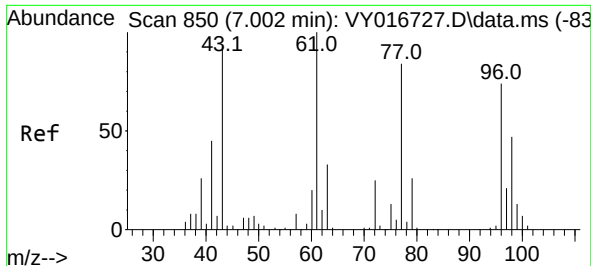
Tgt Ion: 77 Resp: 317646

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 113.066 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

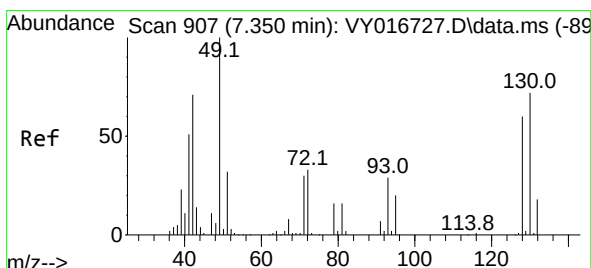
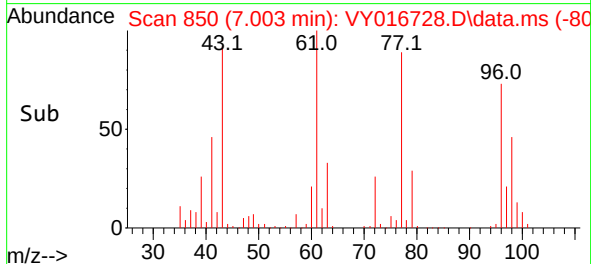
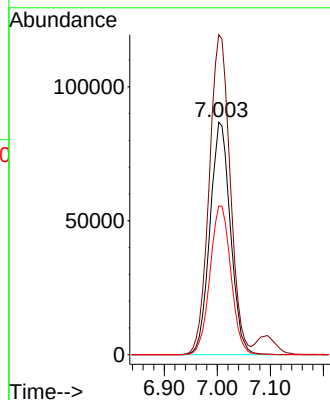
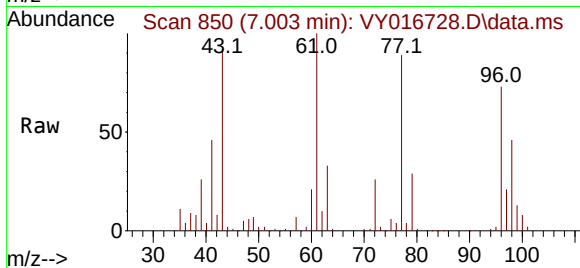
Tgt Ion: 96 Resp: 232695

Ion Ratio Lower Upper

96 100

61 141.0 0.0 278.8

98 65.3 0.0 127.0



#28

Bromochloromethane

Concen: 106.809 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

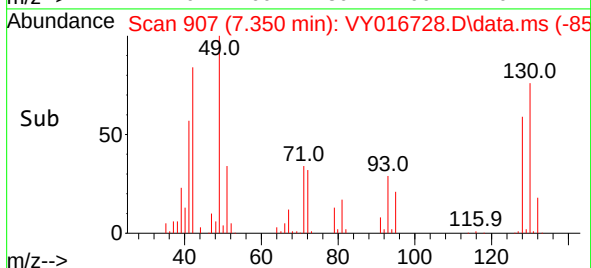
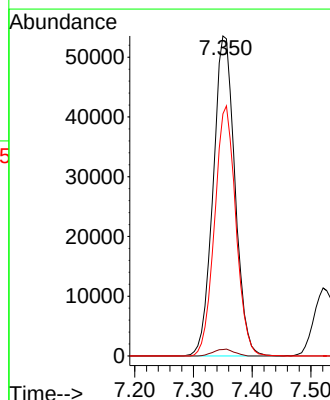
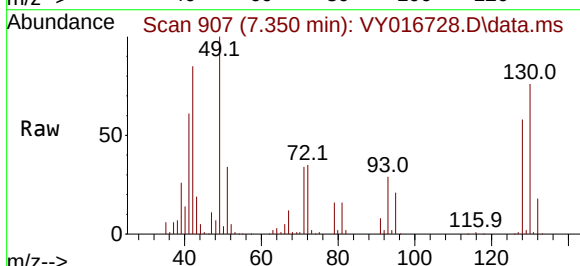
Tgt Ion: 49 Resp: 137974

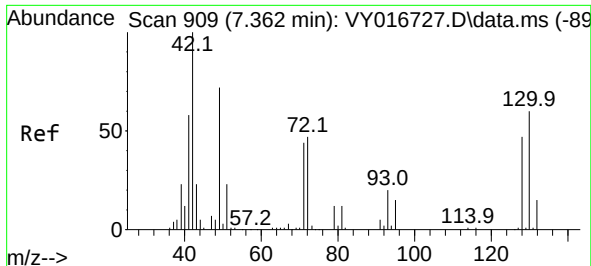
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 76.0 59.8 89.8





#29

Tetrahydrofuran

Concen: 602.274 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

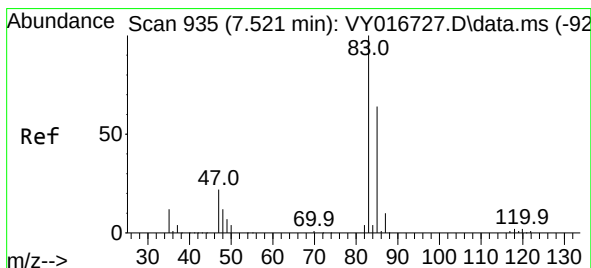
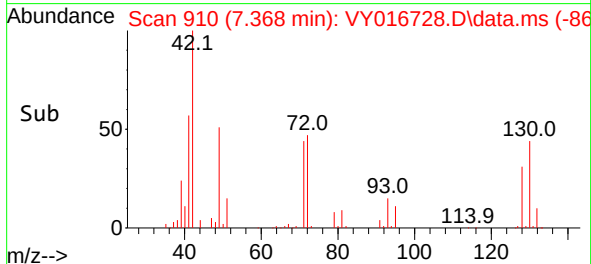
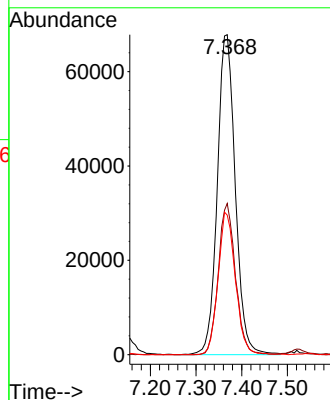
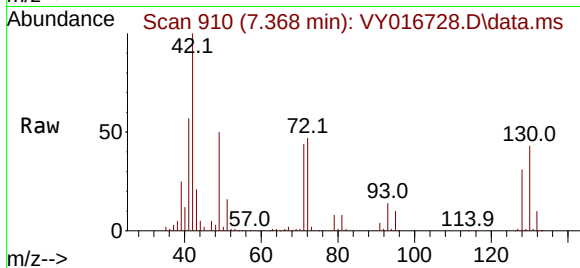
Tgt Ion: 42 Resp: 185896

Ion Ratio Lower Upper

42 100

72 45.3 36.6 54.8

71 42.7 33.8 50.6



#30

Chloroform

Concen: 110.562 ug/l

RT: 7.521 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY016728.D

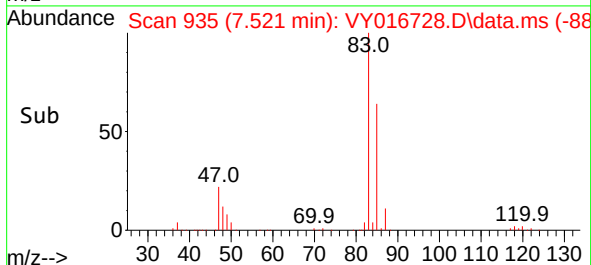
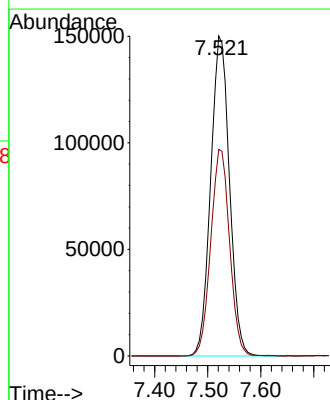
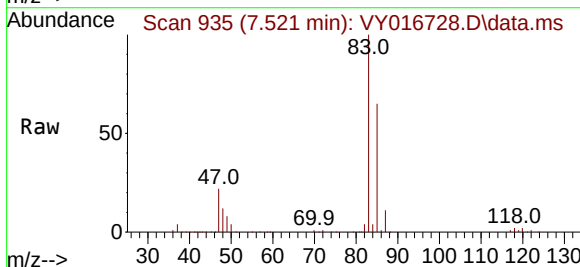
Acq: 20 Dec 2023 16:32

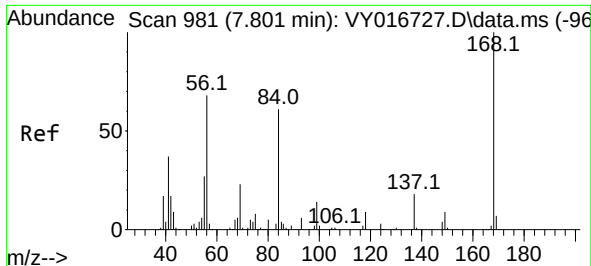
Tgt Ion: 83 Resp: 369406

Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8

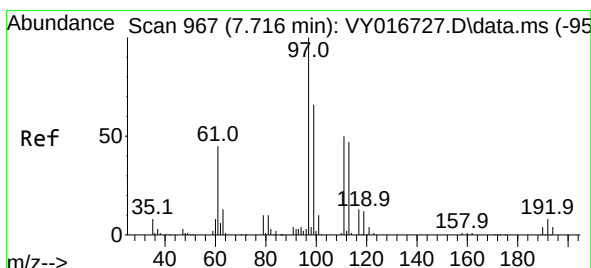
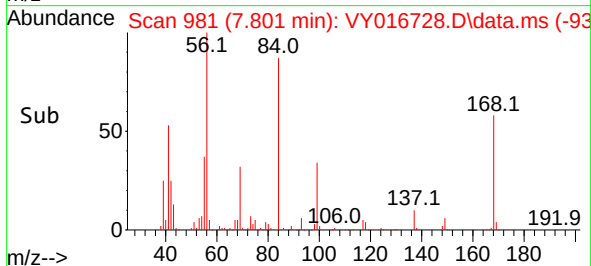
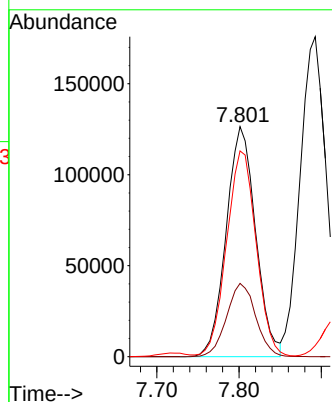
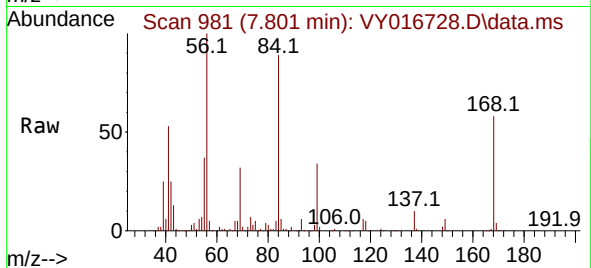




#31
Cyclohexane
Concen: 108.383 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

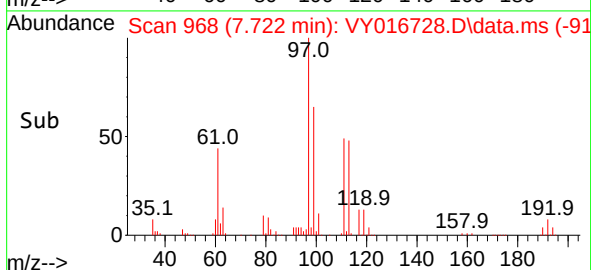
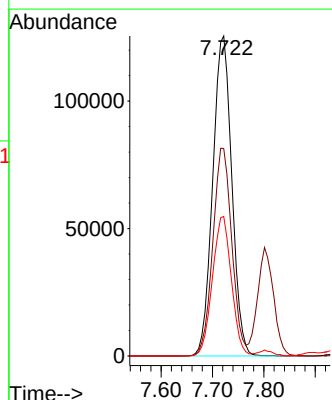
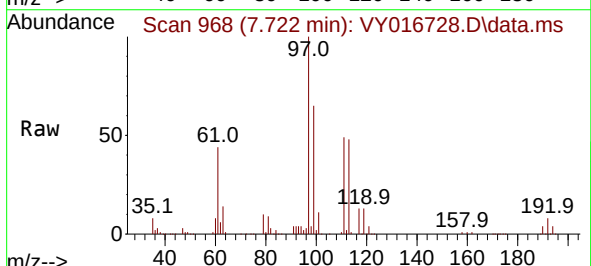
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

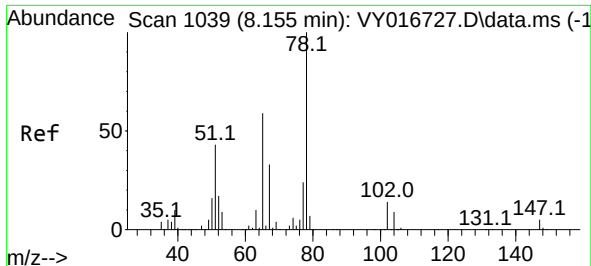
Tgt Ion: 56 Resp: 314843
Ion Ratio Lower Upper
56 100
69 31.9 27.0 40.6
84 87.9 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 110.419 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 97 Resp: 323839
Ion Ratio Lower Upper
97 100
99 64.6 51.2 76.8
61 43.4 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 116.974 ug/l

RT: 8.155 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

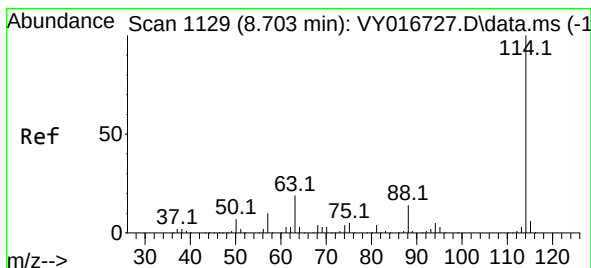
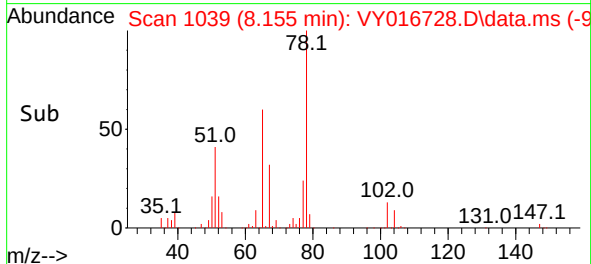
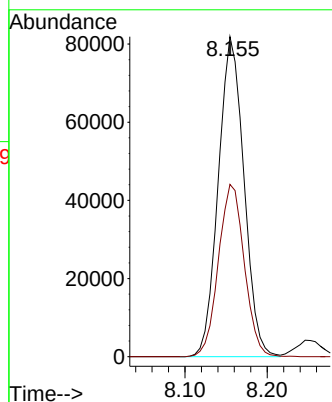
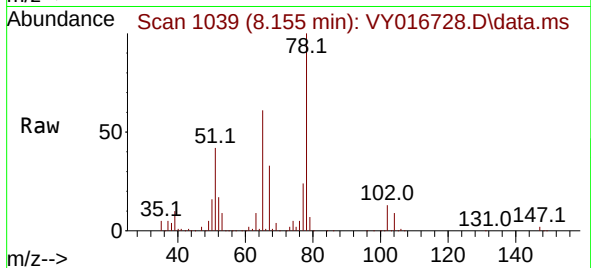
VSTDIC100

Tgt Ion: 65 Resp: 177353

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

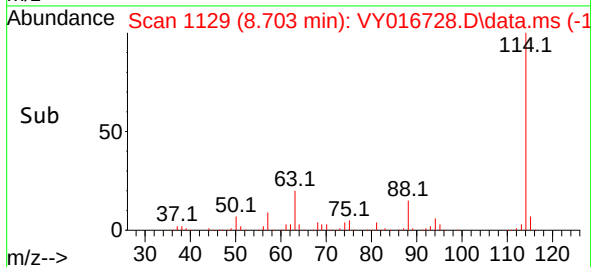
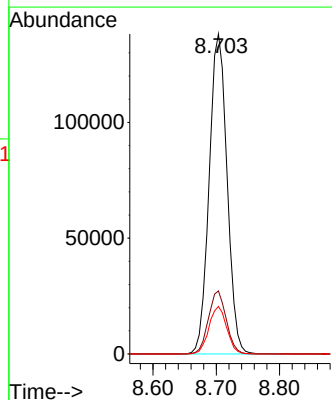
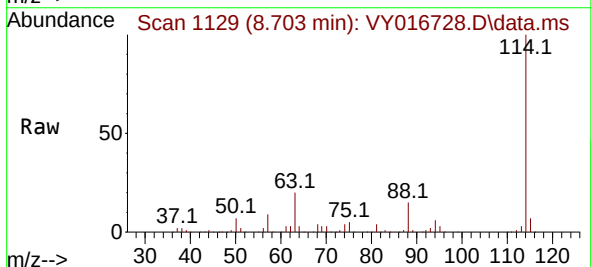
Tgt Ion: 114 Resp: 271606

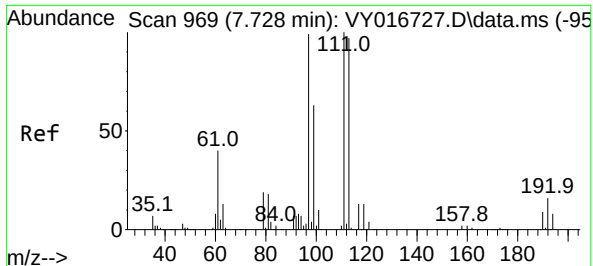
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 14.8 0.0 29.0

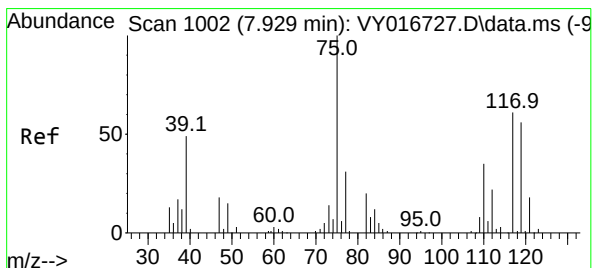
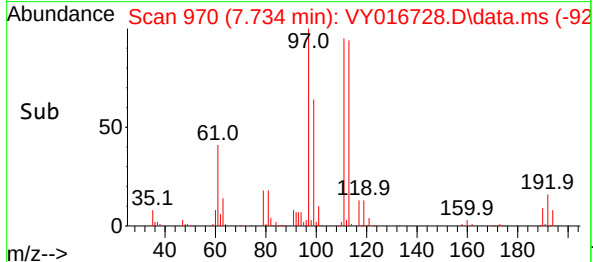
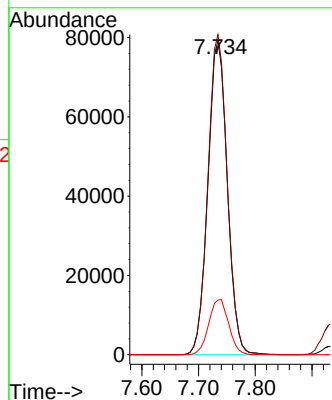
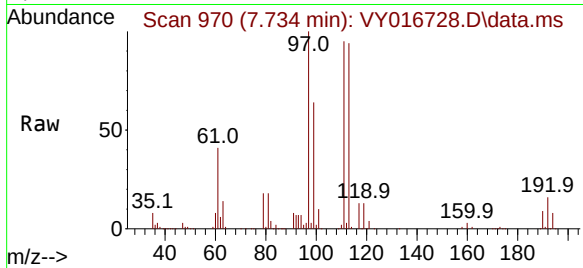




#35
Dibromofluoromethane
Concen: 120.864 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

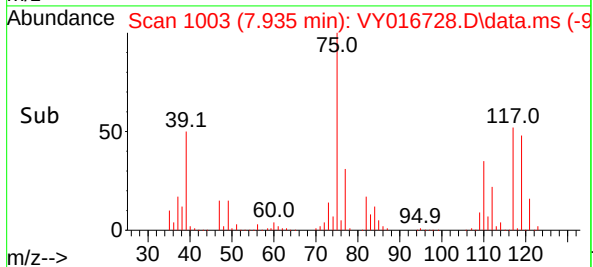
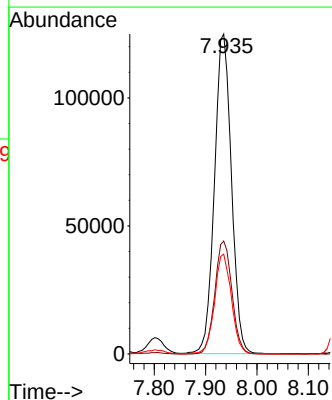
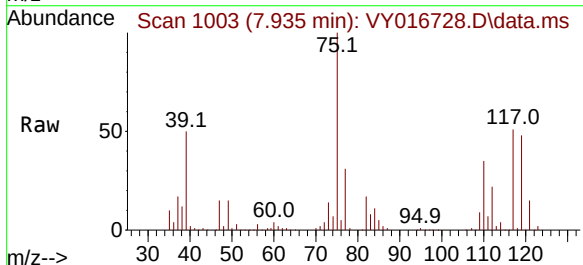
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

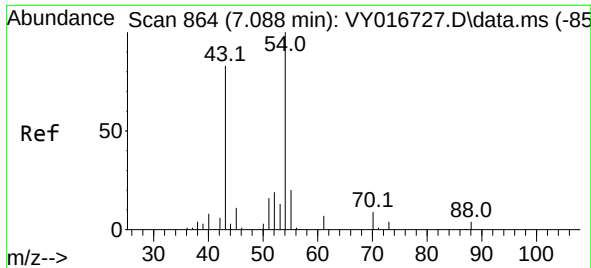
Tgt Ion:113 Resp: 188043
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.6
192 18.1 14.5 21.7



#36
1,1-Dichloropropene
Concen: 114.938 ug/l
RT: 7.935 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 75 Resp: 286682
Ion Ratio Lower Upper
75 100
110 35.5 17.4 52.3
77 31.1 24.7 37.1

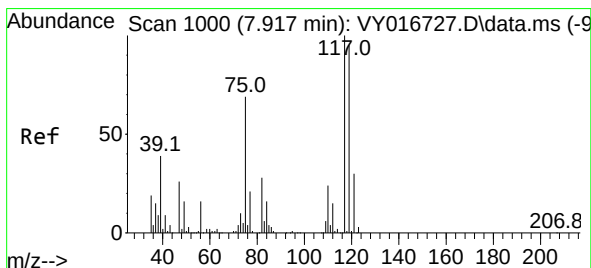
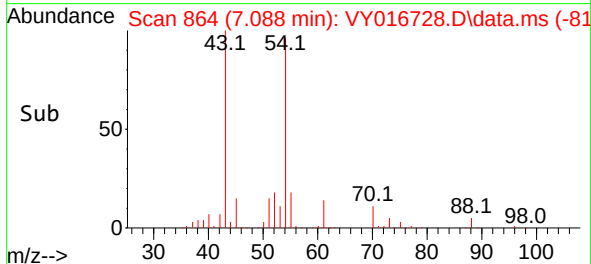
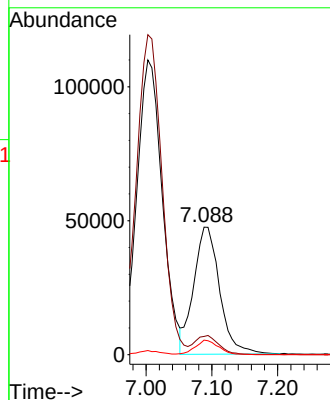
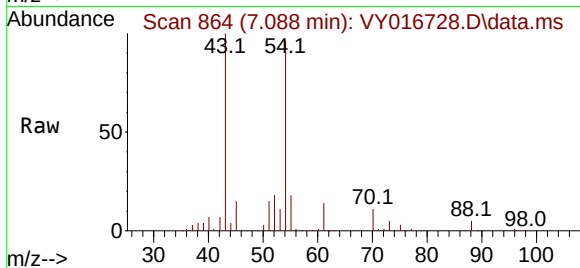




#37
Ethyl Acetate
Concen: 119.268 ug/l
RT: 7.088 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

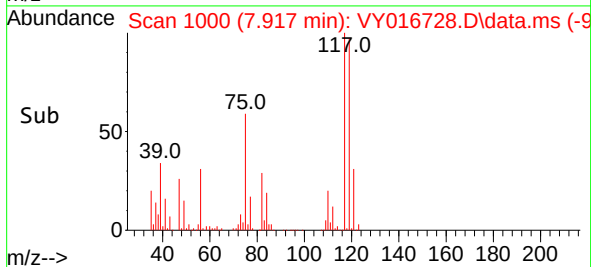
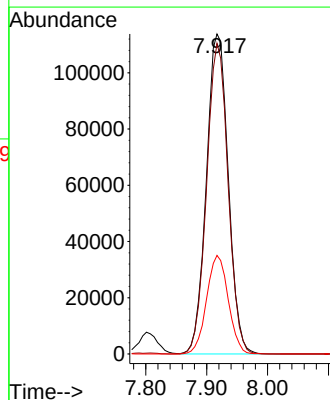
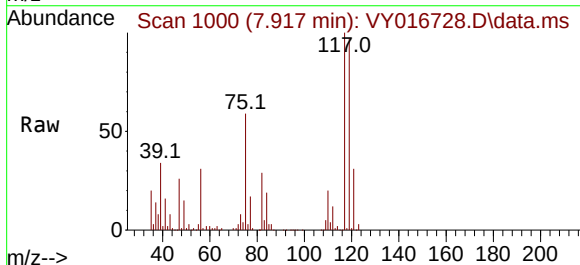
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

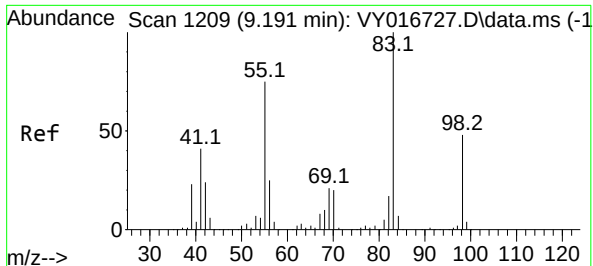
Tgt Ion: 43 Resp: 130199
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.6
70 10.3 8.1 12.1



#38
Carbon Tetrachloride
Concen: 115.522 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 117 Resp: 285125
Ion Ratio Lower Upper
117 100
119 97.0 76.0 114.0
121 30.8 24.2 36.2





#39

Methylcyclohexane

Concen: 124.824 ug/l

RT: 9.197 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

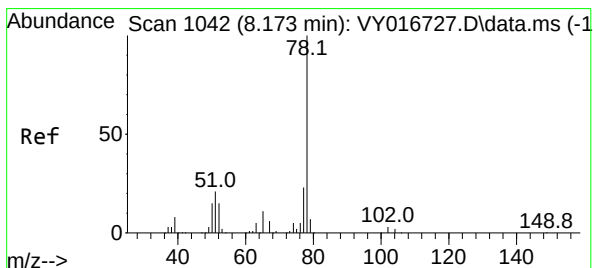
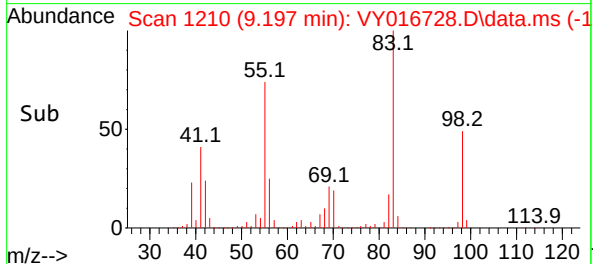
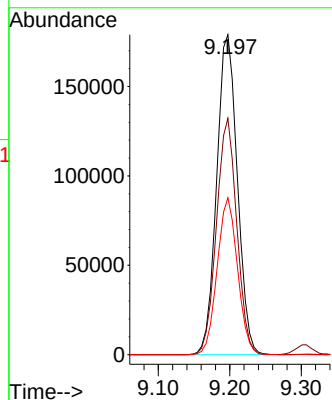
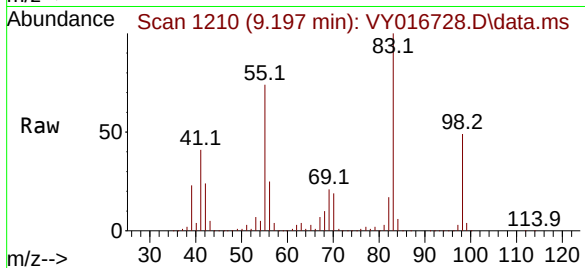
Tgt Ion: 83 Resp: 359465

Ion Ratio Lower Upper

83 100

55 73.8 59.7 89.5

98 49.0 38.0 57.0



#40

Benzene

Concen: 115.836 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY016728.D

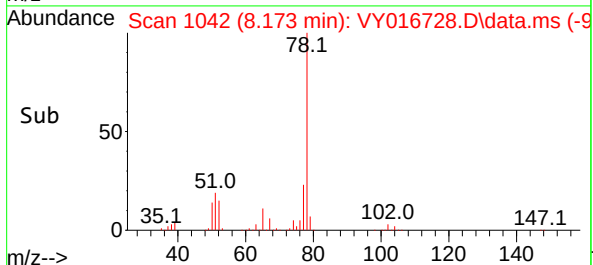
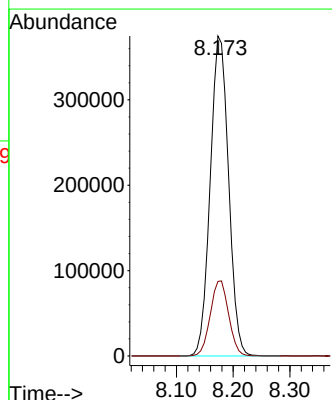
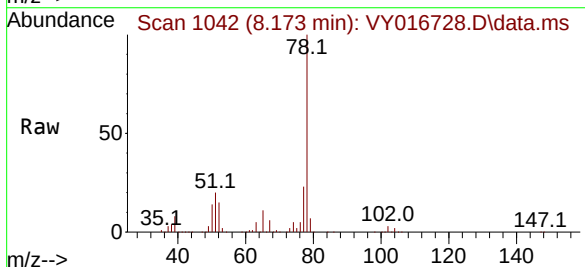
Acq: 20 Dec 2023 16:32

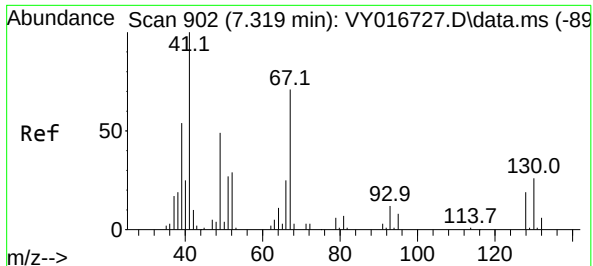
Tgt Ion: 78 Resp: 840774

Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2



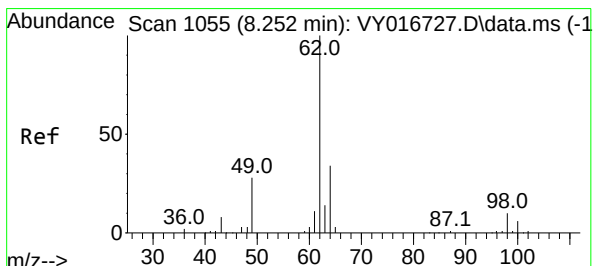
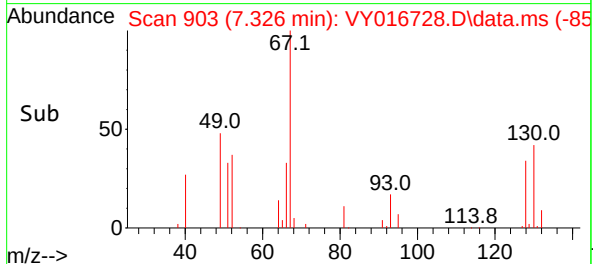
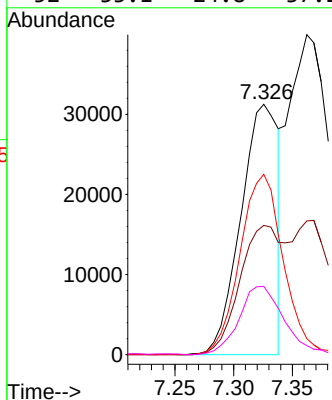
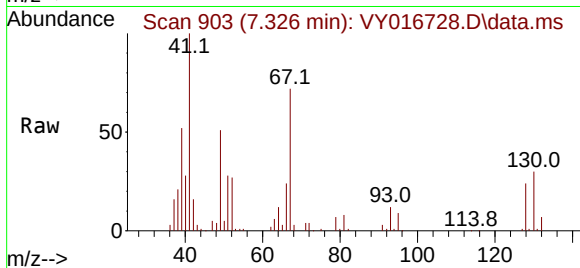


#41
Methacrylonitrile
Concen: 121.944 ug/l
RT: 7.326 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 69218

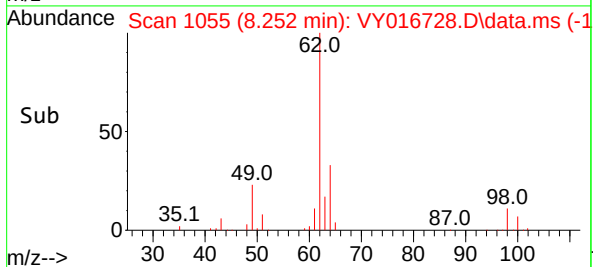
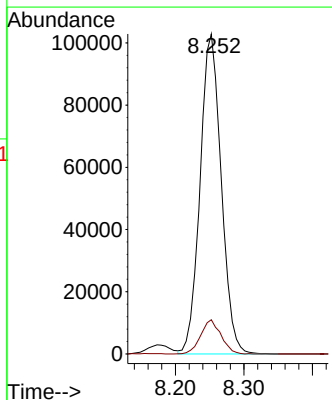
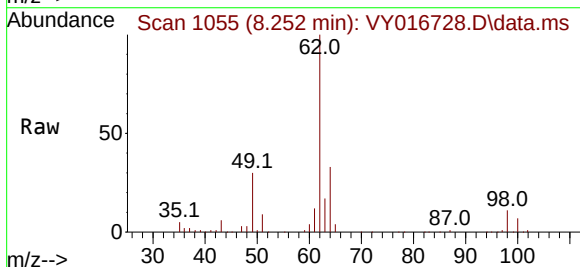
Ion	Ratio	Lower	Upper
41	100		
39	60.3	41.9	62.9
67	83.7	59.8	89.6
52	33.1	24.8	37.2

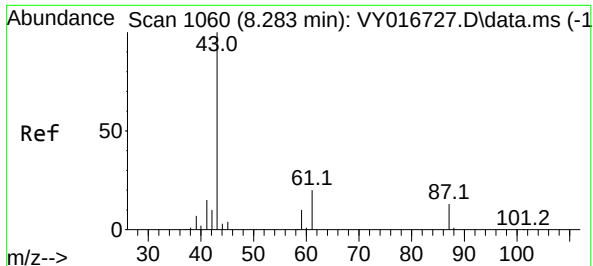


#42
1,2-Dichloroethane
Concen: 116.734 ug/l
RT: 8.252 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 62 Resp: 221053

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 123.094 ug/l

RT: 8.283 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

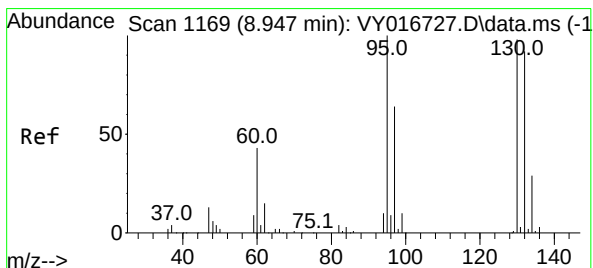
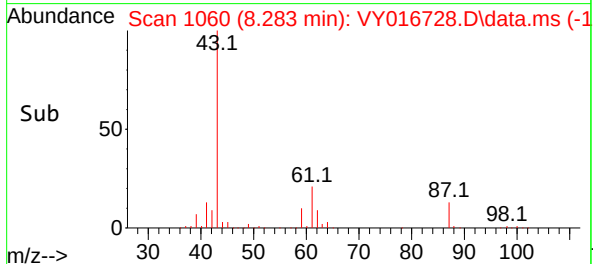
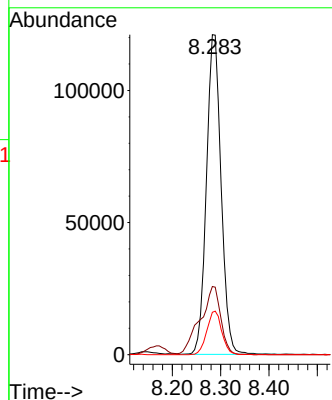
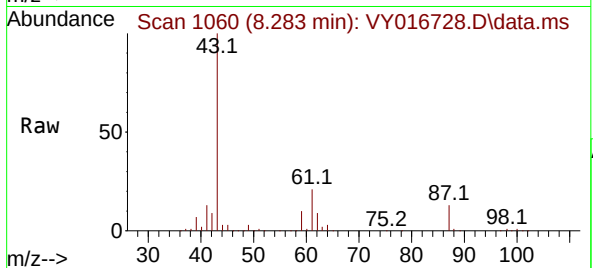
Tgt Ion: 43 Resp: 255593

Ion Ratio Lower Upper

43 100

61 29.8 24.8 37.2

87 13.8 10.7 16.1



#44

Trichloroethene

Concen: 115.526 ug/l

RT: 8.953 min Scan# 1170

Delta R.T. 0.006 min

Lab File: VY016728.D

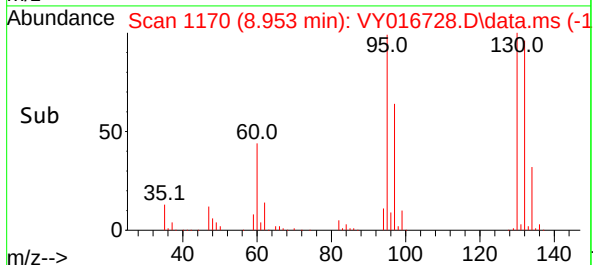
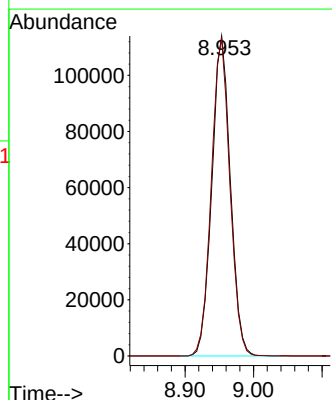
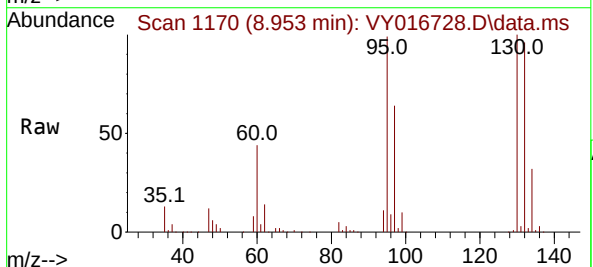
Acq: 20 Dec 2023 16:32

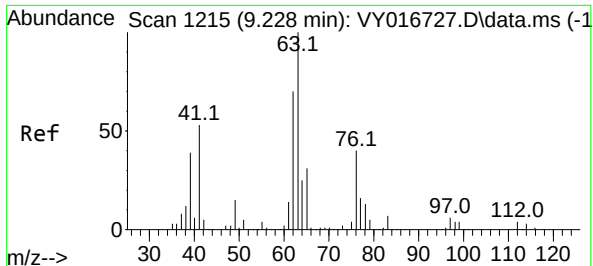
Tgt Ion:130 Resp: 214018

Ion Ratio Lower Upper

130 100

95 99.2 0.0 203.8





#45

1,2-Dichloropropane

Concen: 115.209 ug/l

RT: 9.228 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

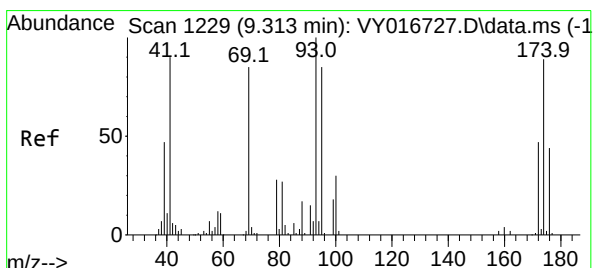
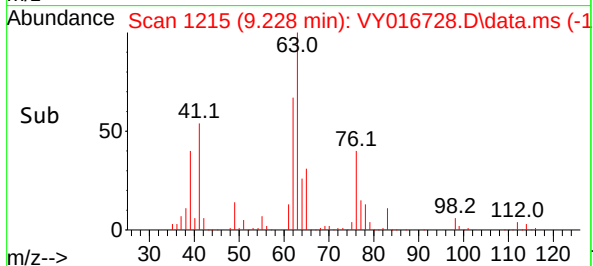
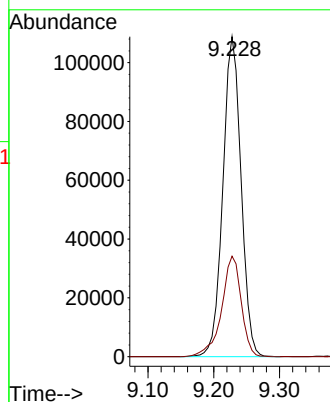
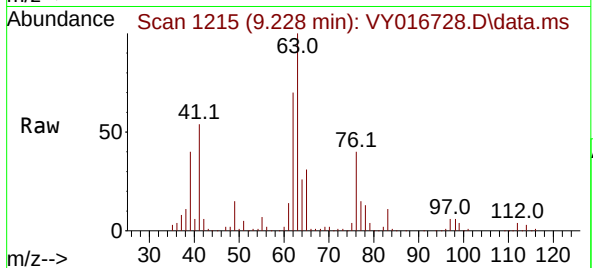
VSTDICC100

Tgt Ion: 63 Resp: 209763

Ion Ratio Lower Upper

63 100

65 31.4 24.6 36.8



#46

Dibromomethane

Concen: 117.656 ug/l

RT: 9.319 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

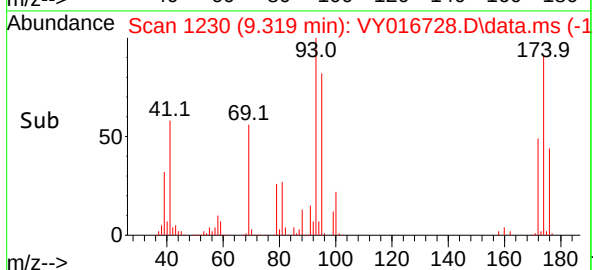
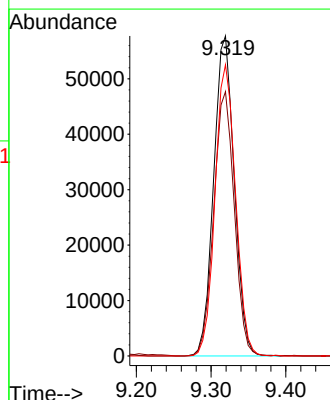
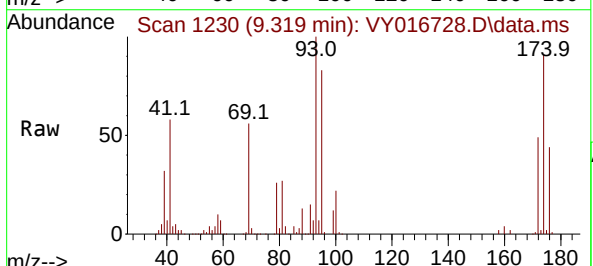
Tgt Ion: 93 Resp: 110666

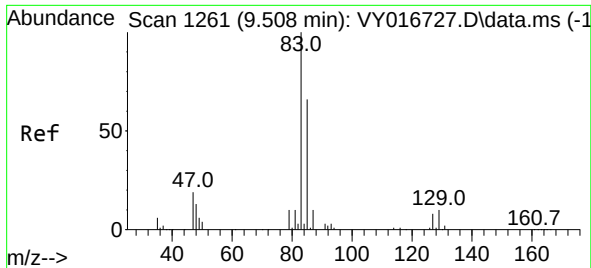
Ion Ratio Lower Upper

93 100

95 82.6 66.6 99.8

174 90.7 73.8 110.6

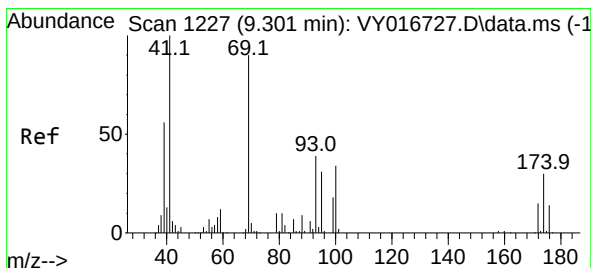
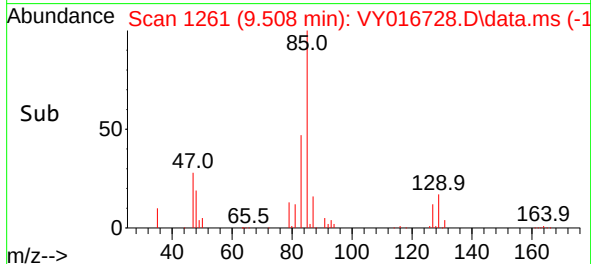
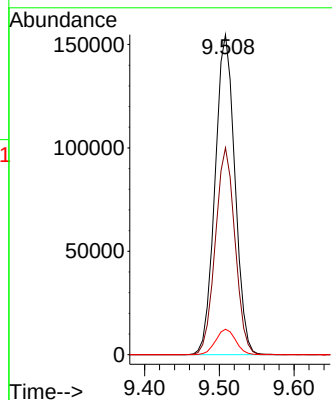
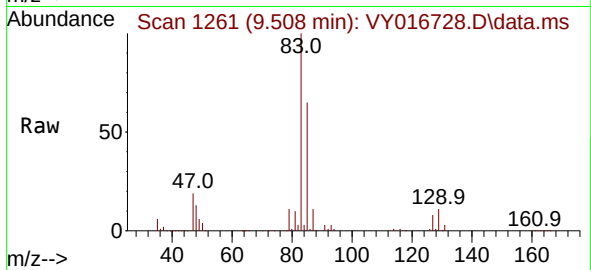




#47
Bromodichloromethane
Concen: 115.072 ug/l
RT: 9.508 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

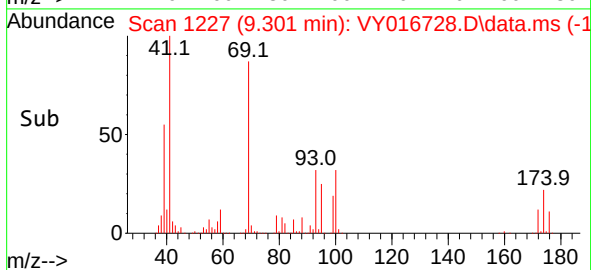
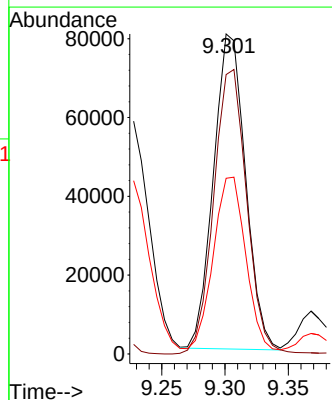
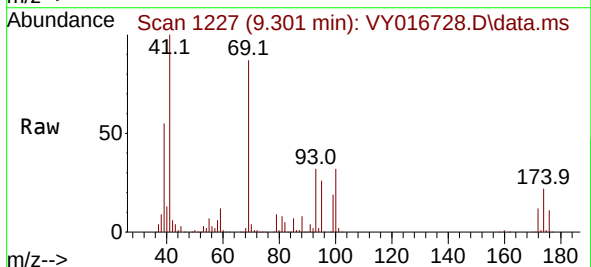
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

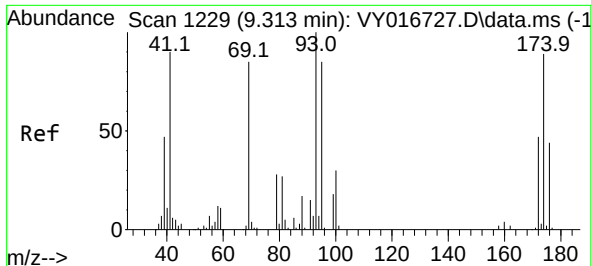
Tgt Ion: 83 Resp: 285275
Ion Ratio Lower Upper
83 100
85 64.6 53.2 79.8
127 8.0 6.4 9.6



#48
Methyl methacrylate
Concen: 120.968 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 41 Resp: 140880
Ion Ratio Lower Upper
41 100
69 93.4 72.1 108.1
39 55.1 42.8 64.2

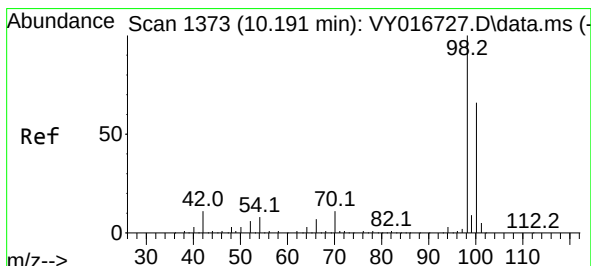
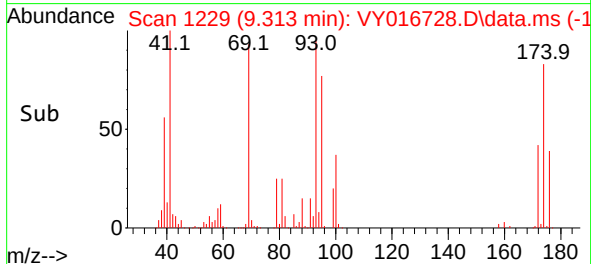
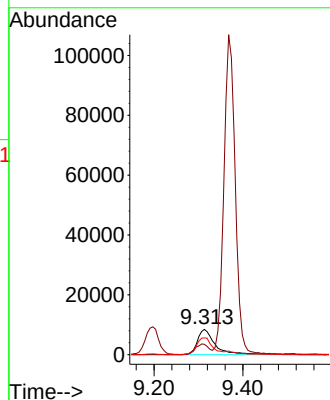
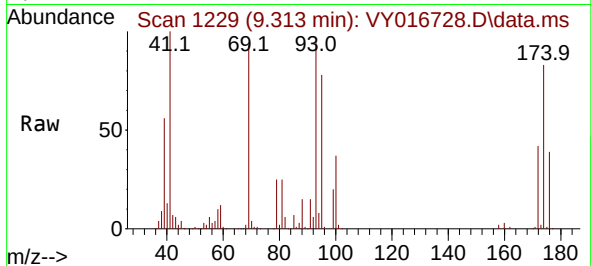




#49
1,4-Dioxane
Concen: 2605.246 ug/l
RT: 9.313 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

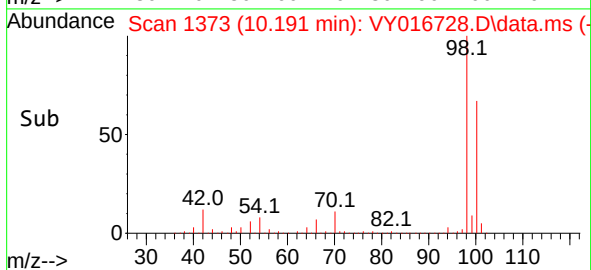
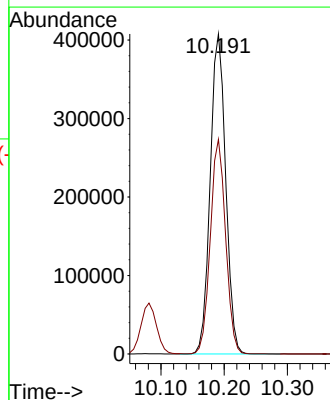
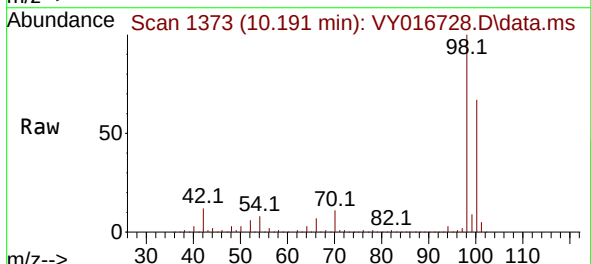
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

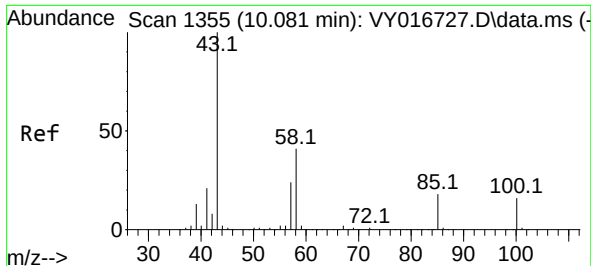
Tgt Ion: 88 Resp: 23784
Ion Ratio Lower Upper
88 100
43 30.8 28.2 42.4
58 58.8 52.2 78.2



#50
Toluene-d8
Concen: 123.427 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 98 Resp: 692252
Ion Ratio Lower Upper
98 100
100 66.3 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 620.772 ug/l

RT: 10.081 min Scan# 1355

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

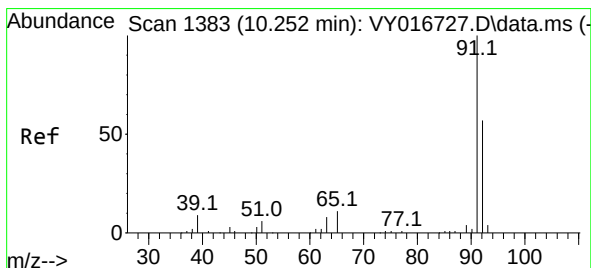
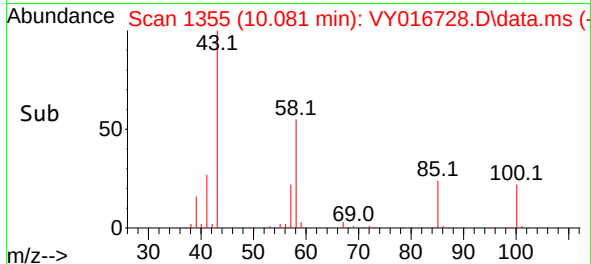
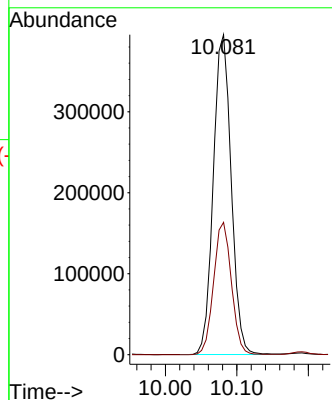
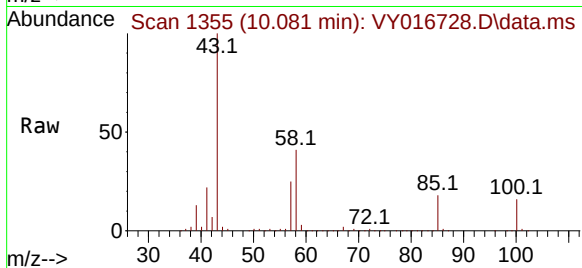
VSTDIC100

Tgt Ion: 43 Resp: 686778

Ion Ratio Lower Upper

43 100

58 41.1 32.2 48.2



#52

Toluene

Concen: 119.611 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VY016728.D

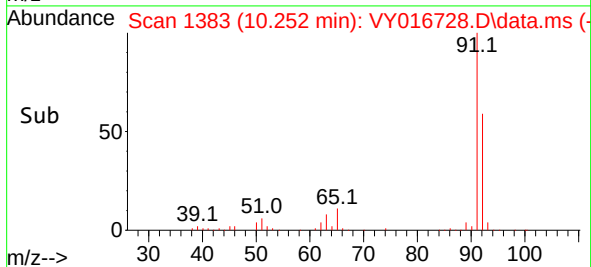
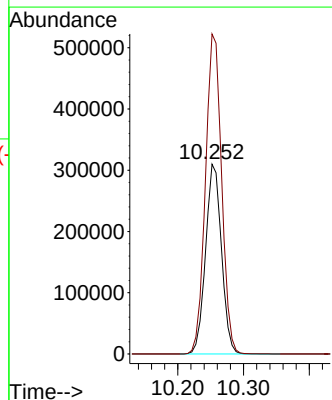
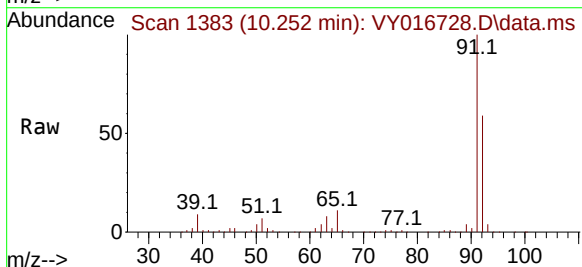
Acq: 20 Dec 2023 16:32

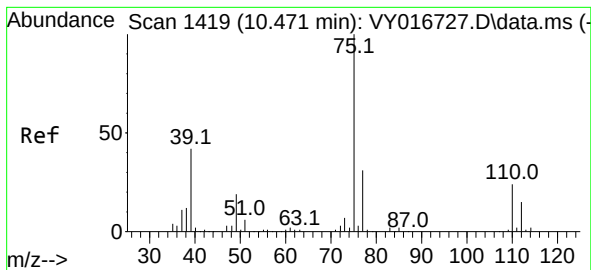
Tgt Ion: 92 Resp: 520267

Ion Ratio Lower Upper

92 100

91 171.3 137.6 206.4

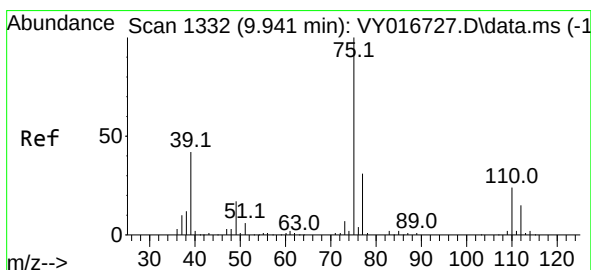
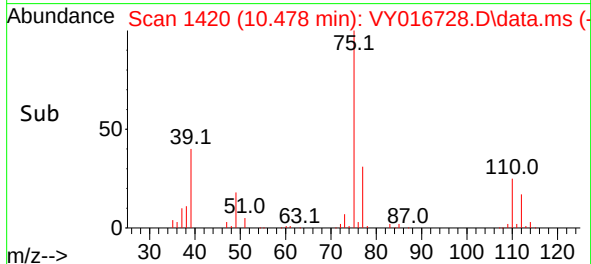
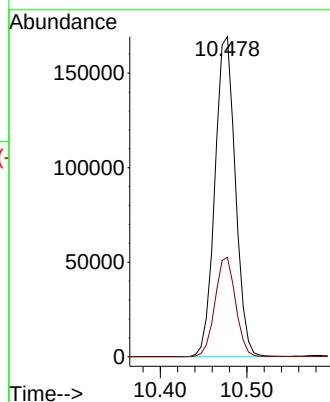
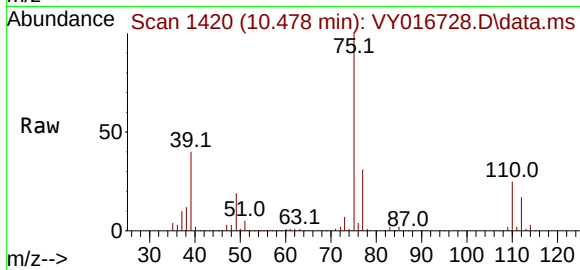




#53
 t-1,3-Dichloropropene
 Concen: 122.823 ug/l
 RT: 10.478 min Scan# 1419
 Delta R.T. 0.007 min
 Lab File: VY016728.D
 Acq: 20 Dec 2023 16:32

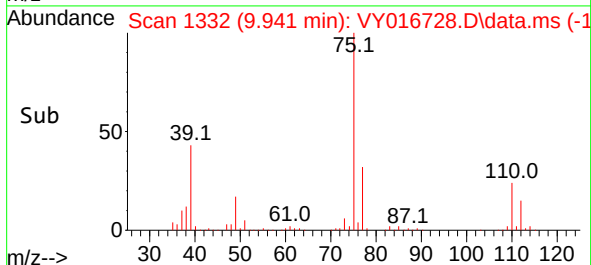
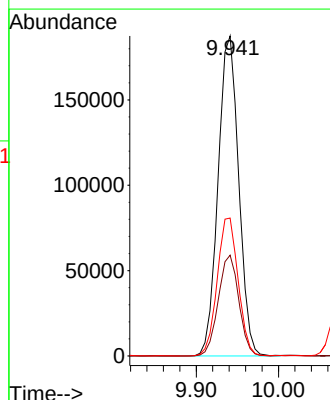
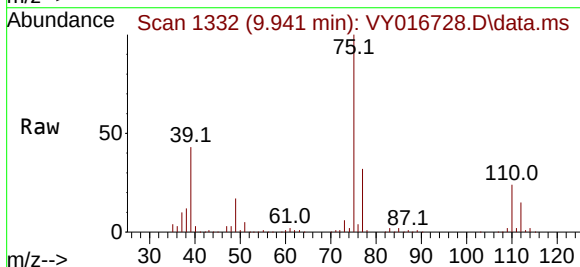
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

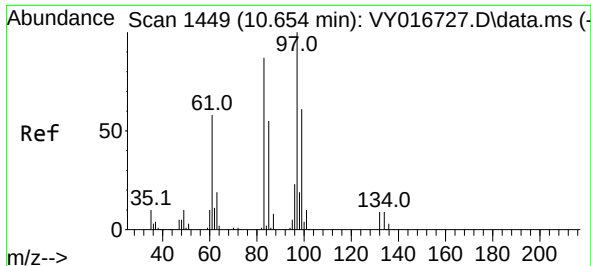
Tgt Ion: 75 Resp: 277645
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 119.842 ug/l
 RT: 9.941 min Scan# 1332
 Delta R.T. 0.000 min
 Lab File: VY016728.D
 Acq: 20 Dec 2023 16:32

Tgt Ion: 75 Resp: 326769
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 36.8
 39 43.1 33.6 50.4

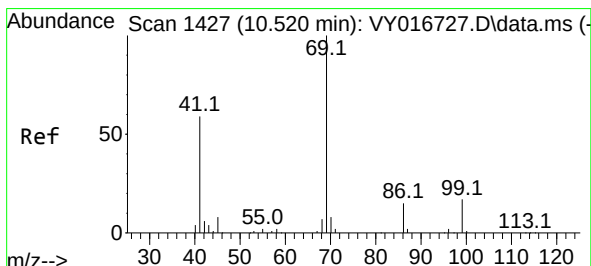
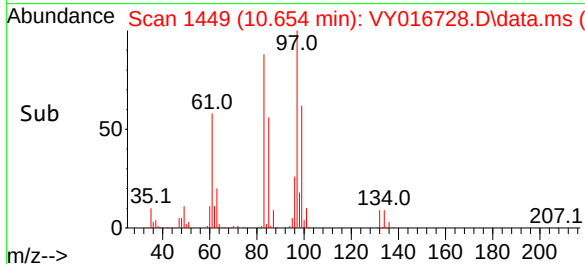
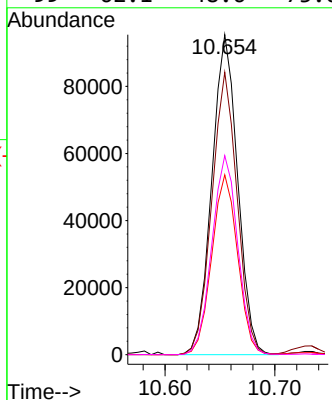
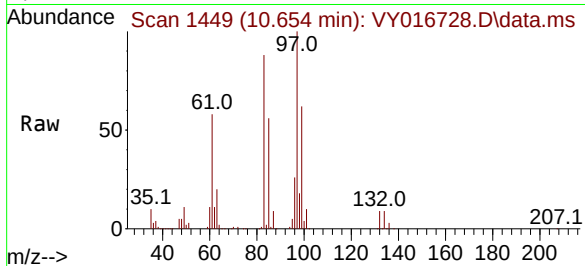




#55
1,1,2-Trichloroethane
Concen: 116.548 ug/l
RT: 10.654 min Scan# 1449
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

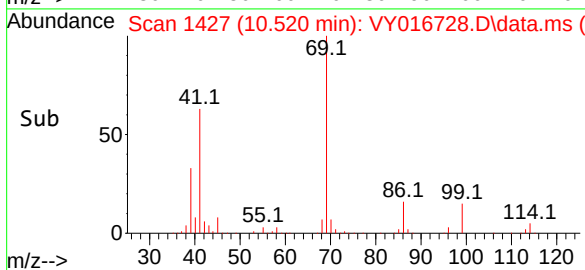
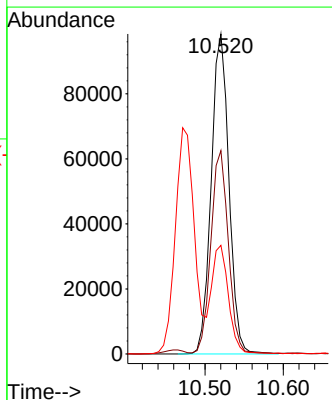
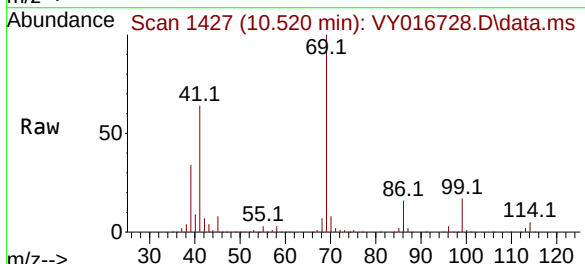
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

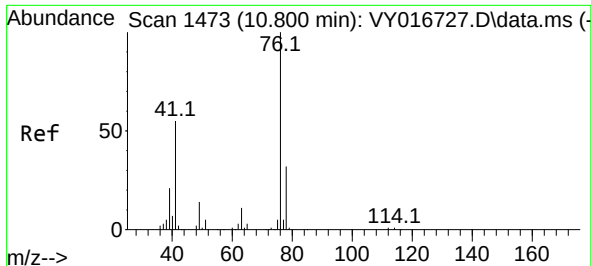
Tgt Ion: 97	Resp: 156407
Ion Ratio	Lower Upper
97 100	
83 88.3	69.4 104.2
85 56.2	43.9 65.9
99 62.1	48.6 73.0



#56
Ethyl methacrylate
Concen: 130.904 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 69	Resp: 154475
Ion Ratio	Lower Upper
69 100	
41 62.5	49.2 73.8
39 31.3	26.8 40.2





#57

1,3-Dichloropropane

Concen: 117.427 ug/l

RT: 10.801 min Scan# 1473

Delta R.T. 0.001 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

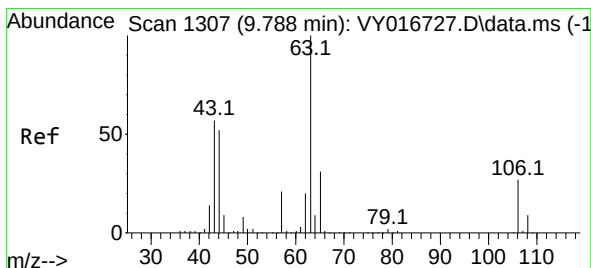
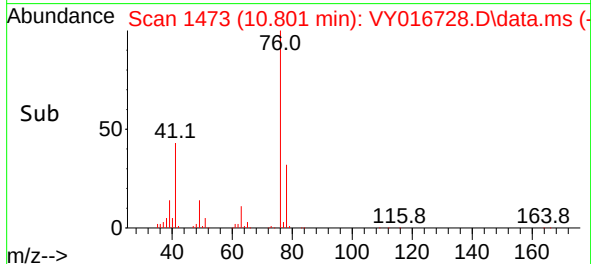
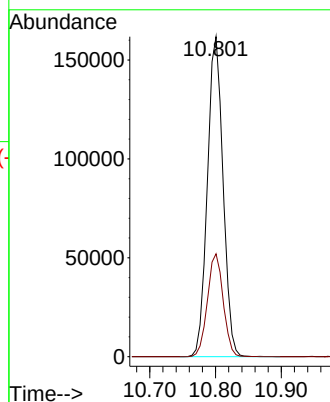
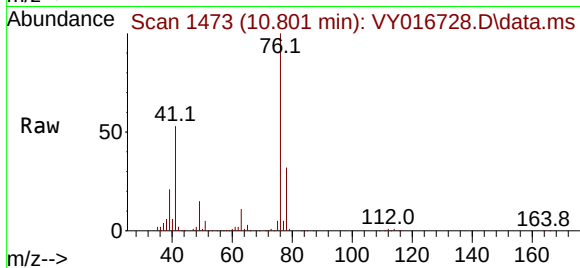
VSTDIC100

Tgt Ion: 76 Resp: 267665

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.795 min Scan# 1308

Delta R.T. 0.007 min

Lab File: VY016728.D

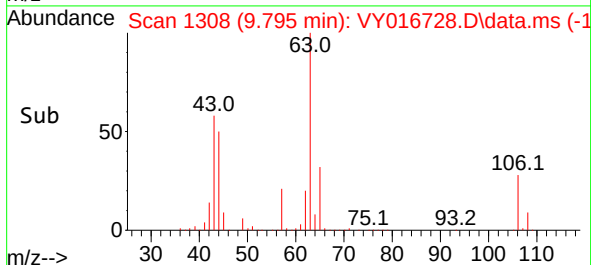
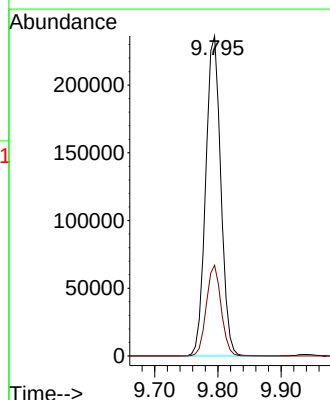
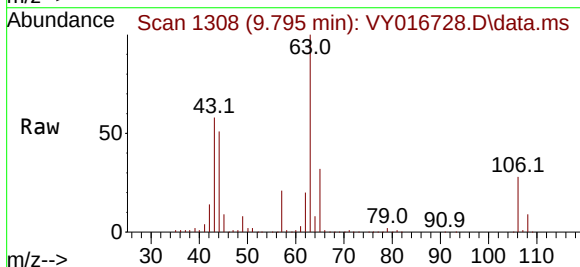
Acq: 20 Dec 2023 16:32

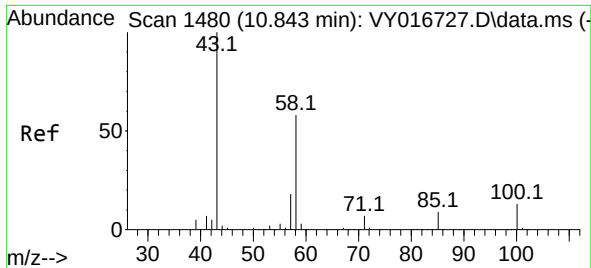
Tgt Ion: 63 Resp: 392681

Ion Ratio Lower Upper

63 100

106 27.8 22.4 33.6

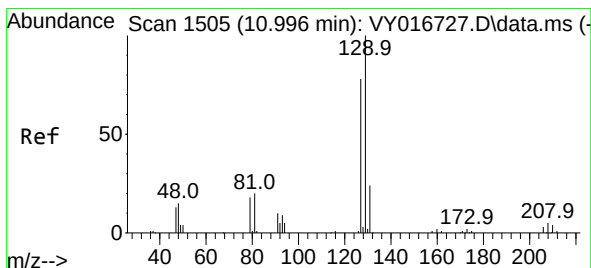
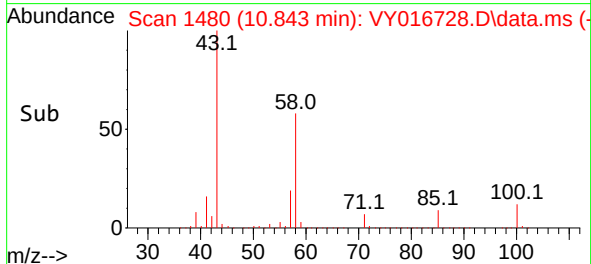
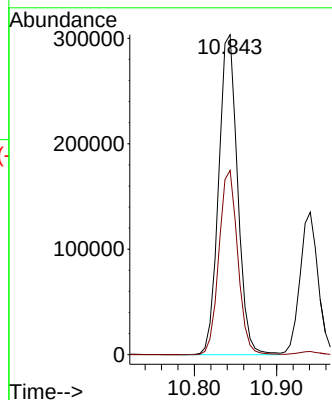
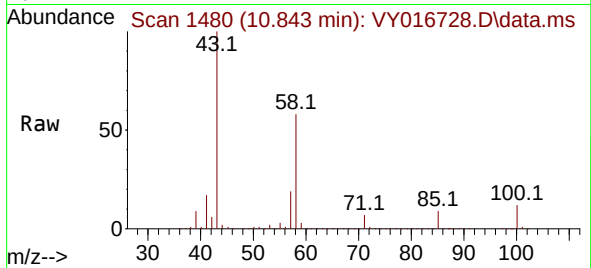




#59
2-Hexanone
Concen: 589.041 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

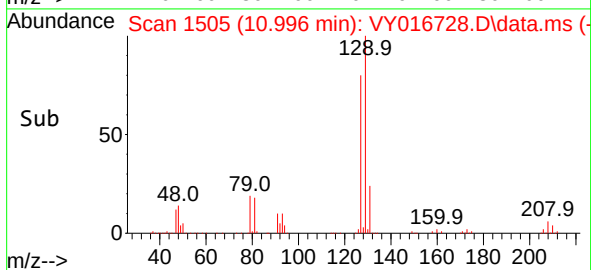
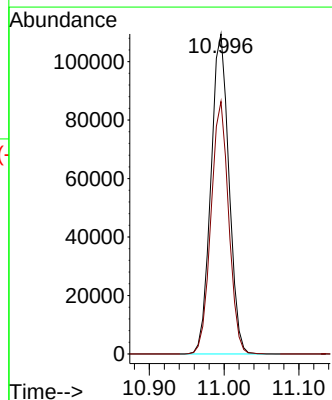
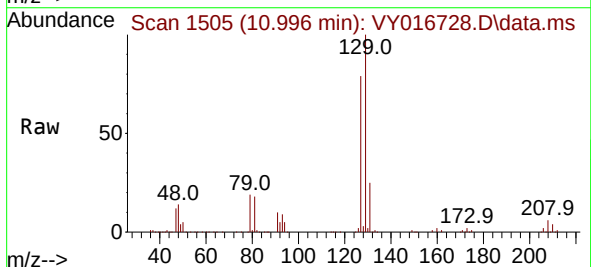
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

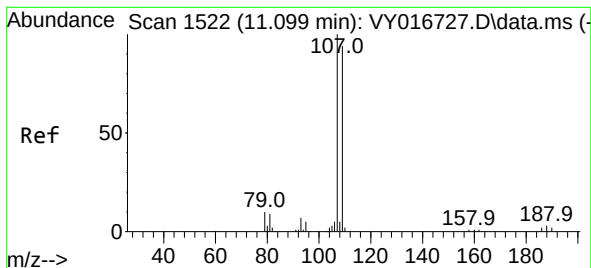
Tgt Ion: 43 Resp: 485925
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 118.487 ug/l
RT: 10.996 min Scan# 1505
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 129 Resp: 183943
Ion Ratio Lower Upper
129 100
127 77.1 39.2 117.6

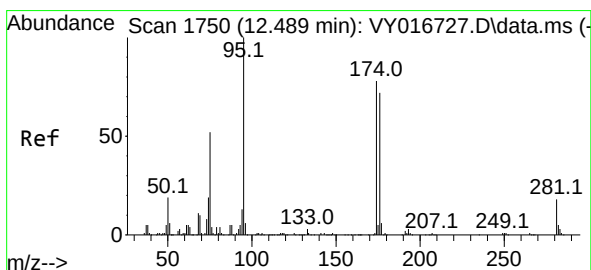
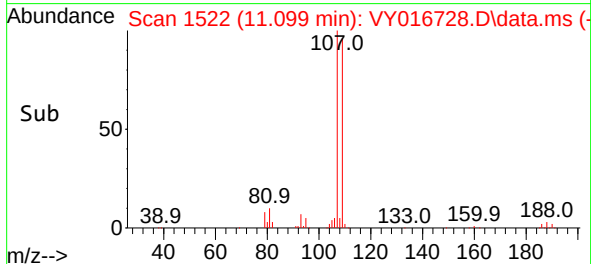
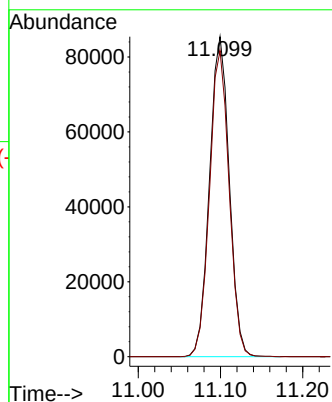
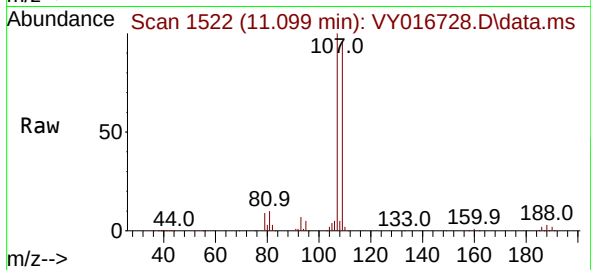




#61
1,2-Dibromoethane
Concen: 118.398 ug/l
RT: 11.099 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

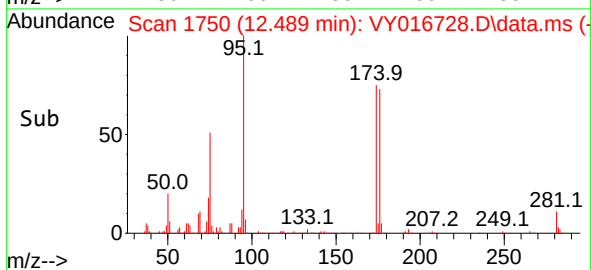
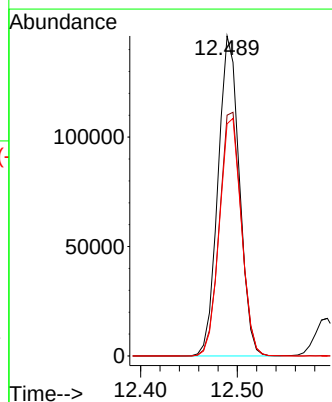
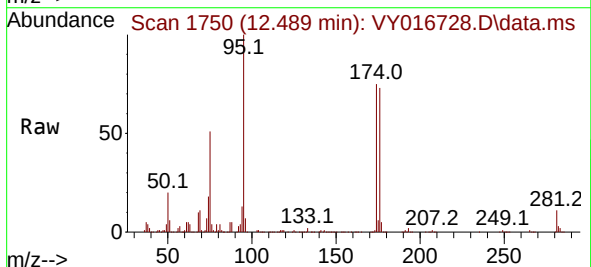
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

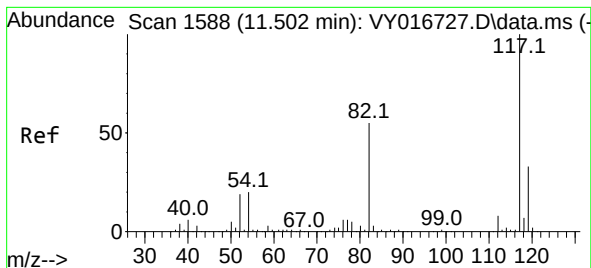
Tgt Ion:107 Resp: 142492
Ion Ratio Lower Upper
107 100
109 94.8 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 122.996 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 95 Resp: 223803
Ion Ratio Lower Upper
95 100
174 78.4 0.0 160.0
176 76.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

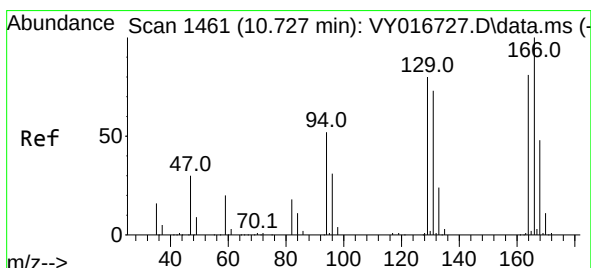
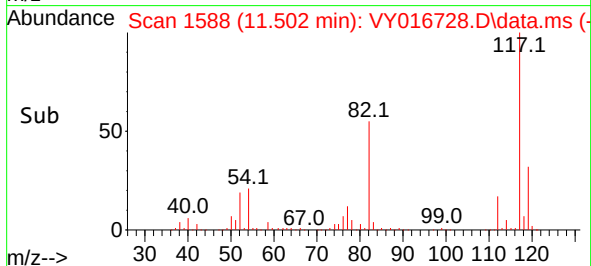
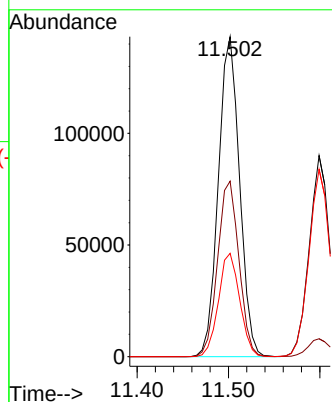
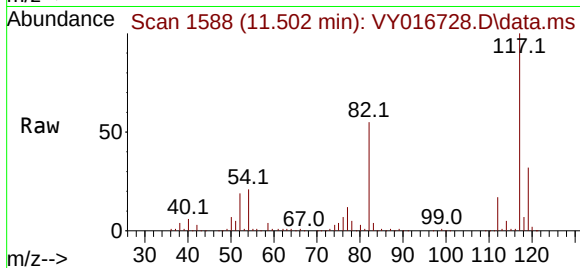
Tgt Ion:117 Resp: 231180

Ion Ratio Lower Upper

117 100

82 54.8 43.8 65.8

119 32.3 26.5 39.7



#64

Tetrachloroethene

Concen: 115.562 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Tgt Ion:164 Resp: 165956

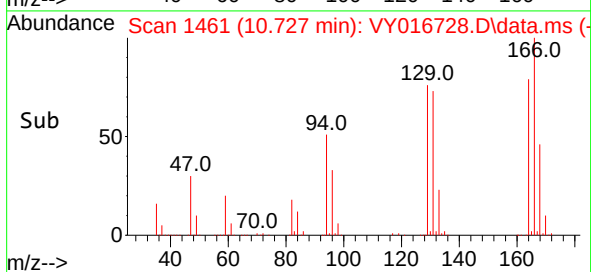
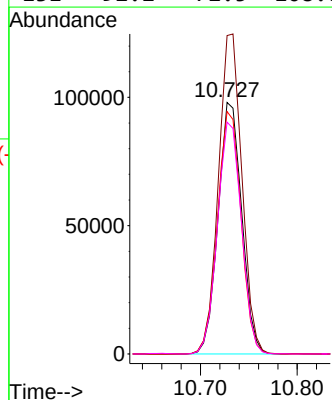
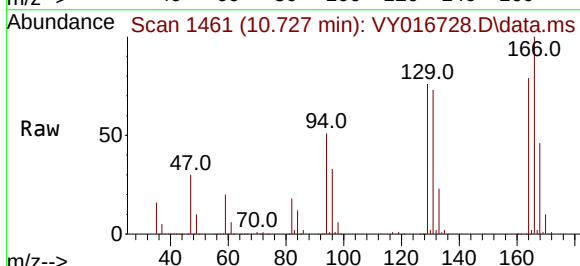
Ion Ratio Lower Upper

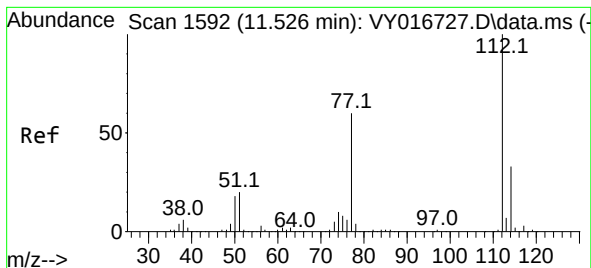
164 100

166 126.6 98.8 148.2

129 96.4 78.9 118.3

131 92.2 72.5 108.7





#65

Chlorobenzene

Concen: 116.595 ug/l

RT: 11.526 min Scan# 1592

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

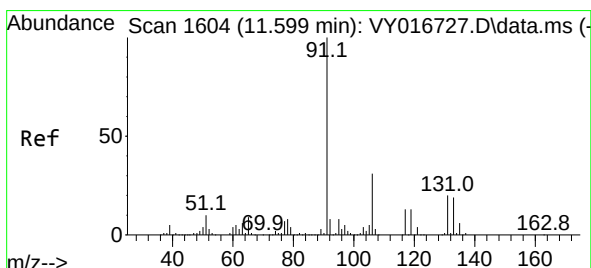
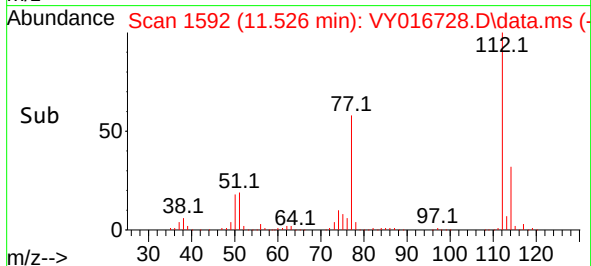
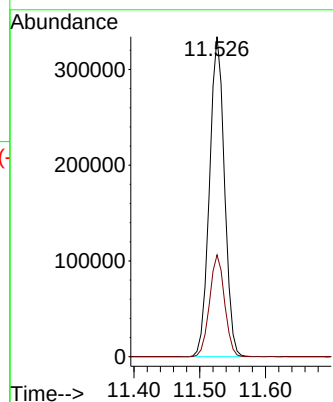
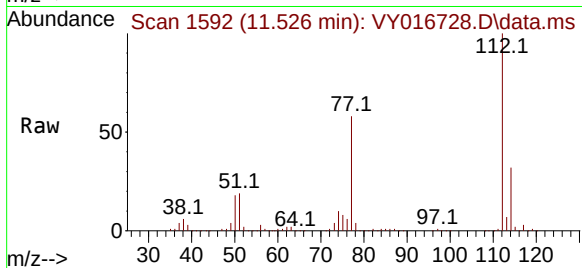
VSTDIC100

Tgt Ion:112 Resp: 529584

Ion Ratio Lower Upper

112 100

114 31.8 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 117.871 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

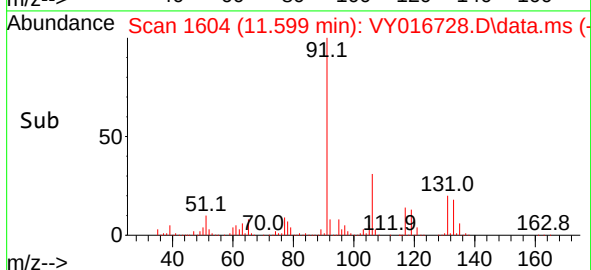
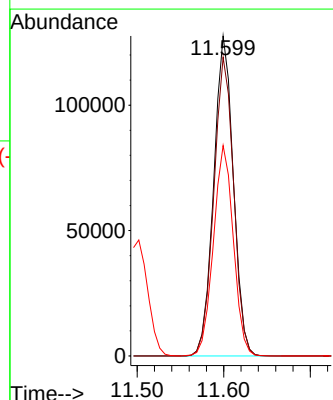
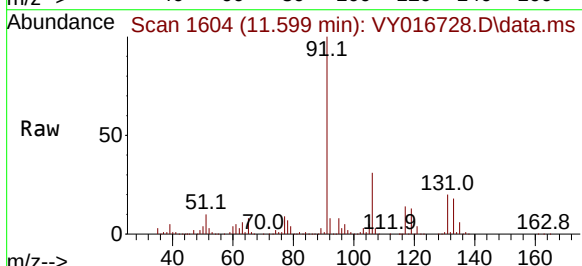
Tgt Ion:131 Resp: 201435

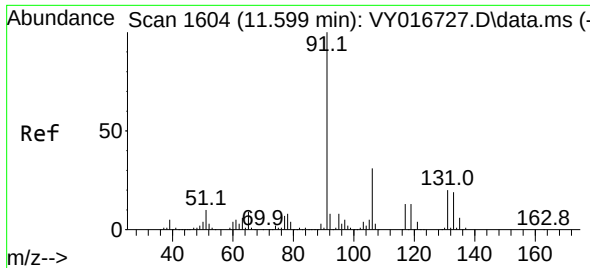
Ion Ratio Lower Upper

131 100

133 94.4 47.0 141.0

119 66.5 33.3 99.9

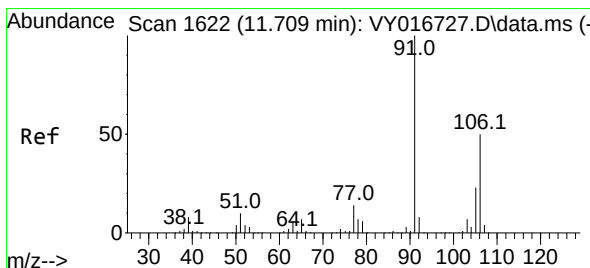
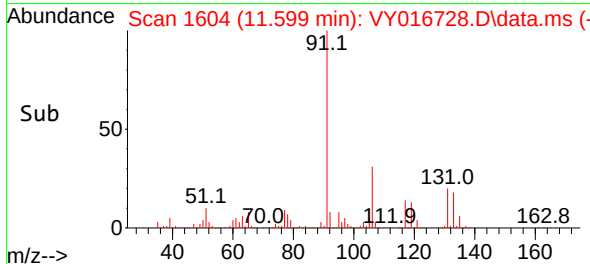
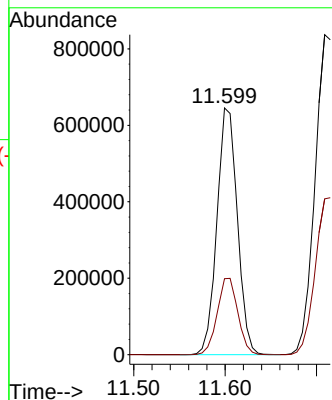
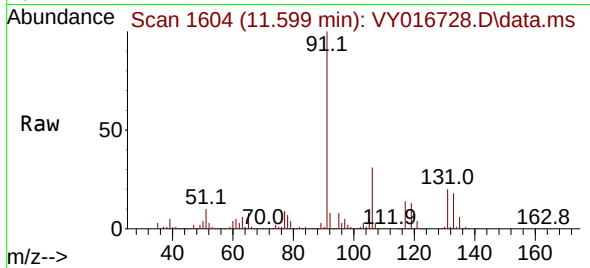




#67
Ethyl Benzene
Concen: 120.062 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

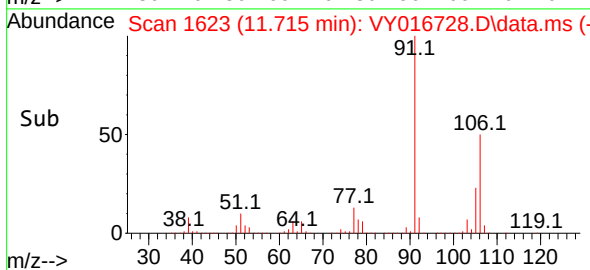
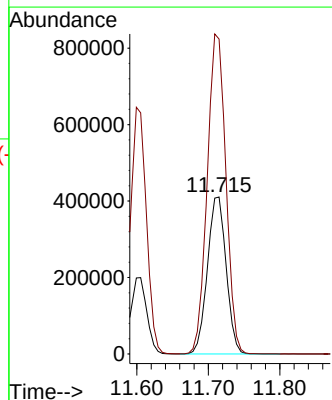
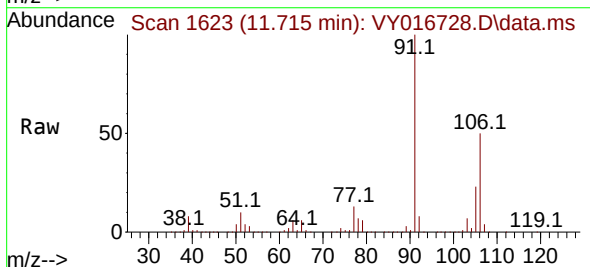
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

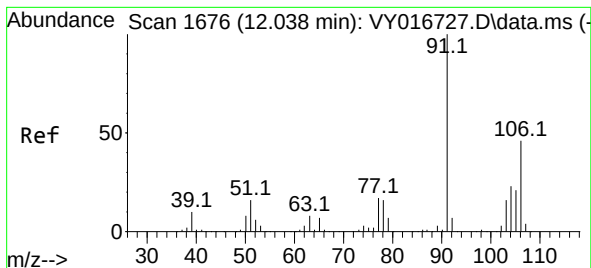
Tgt Ion: 91 Resp: 1003722
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4



#68
m/p-Xylenes
Concen: 242.130 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 106 Resp: 747485
Ion Ratio Lower Upper
106 100
91 202.9 160.7 241.1





#69

o-Xylene

Concen: 123.474 ug/l

RT: 12.038 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

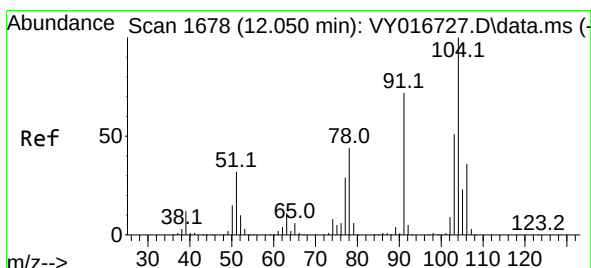
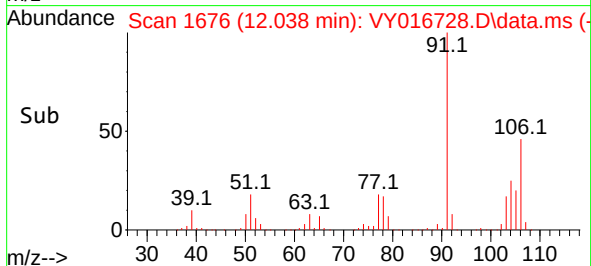
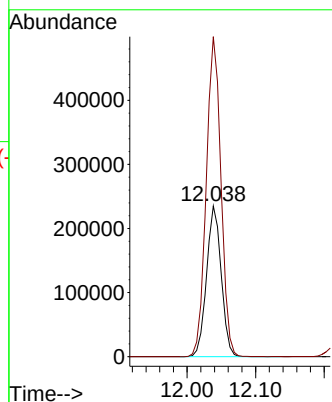
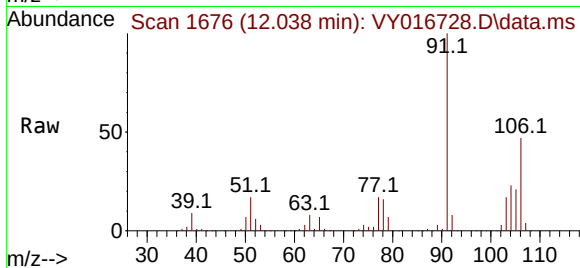
VSTDIC100

Tgt Ion:106 Resp: 349699

Ion Ratio Lower Upper

106 100

91 213.7 106.5 319.5



#70

Styrene

Concen: 123.503 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

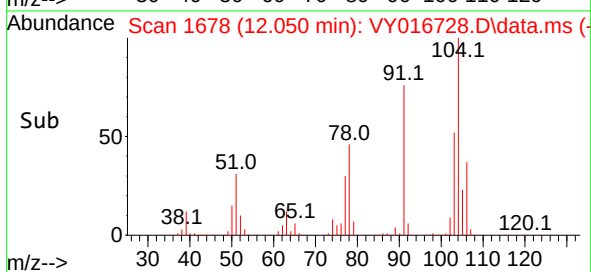
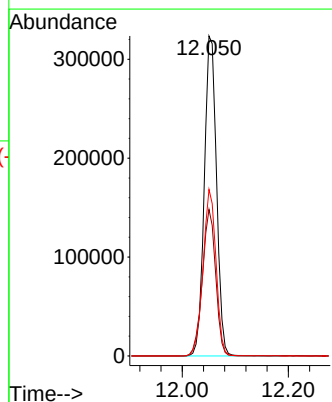
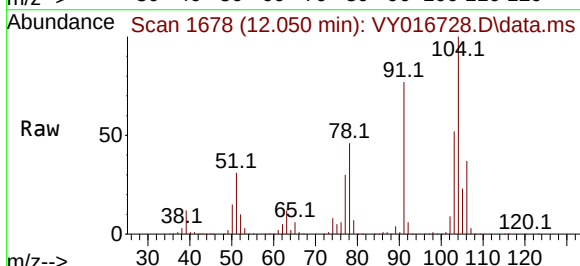
Tgt Ion:104 Resp: 517586

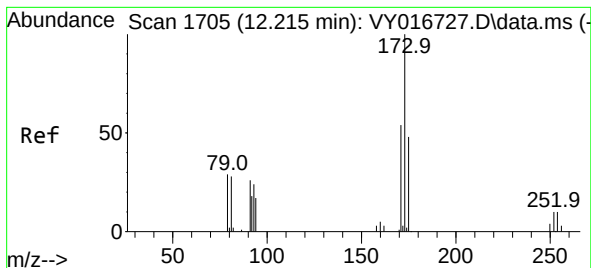
Ion Ratio Lower Upper

104 100

78 49.5 39.2 58.8

103 55.3 43.8 65.6





#71

Bromoform

Concen: 120.451 ug/l

RT: 12.215 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

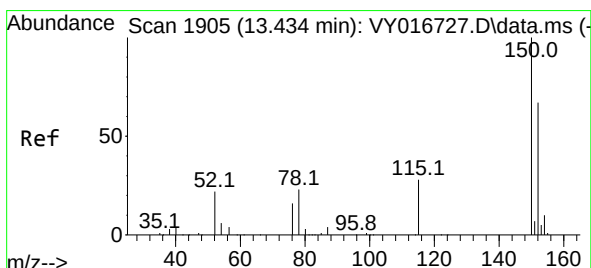
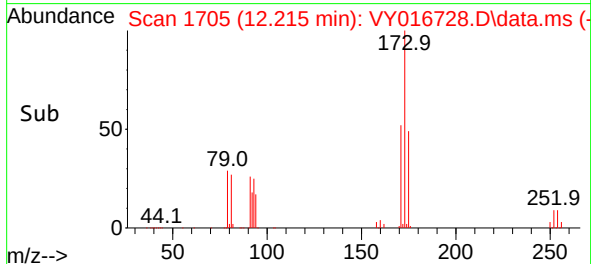
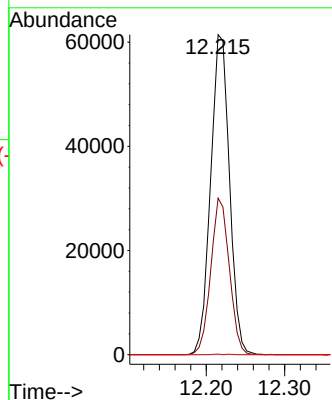
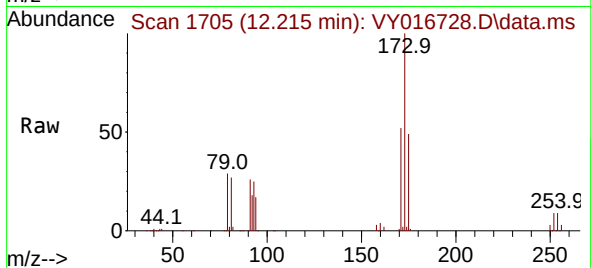
Tgt Ion:173 Resp: 102623

Ion Ratio Lower Upper

173 100

175 48.1 23.5 70.6

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

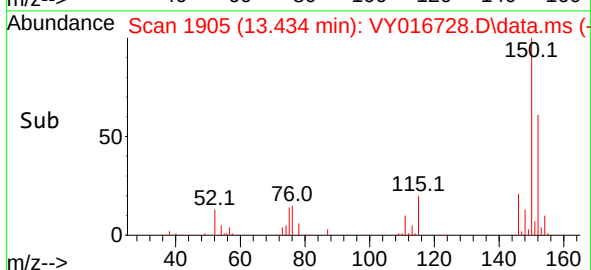
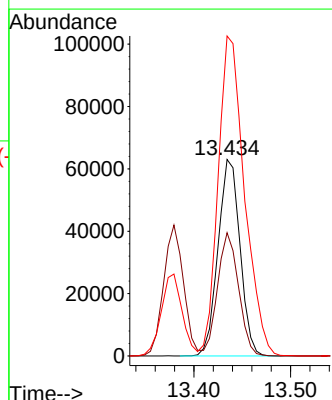
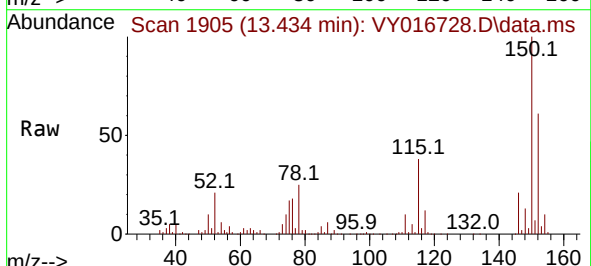
Tgt Ion:152 Resp: 99289

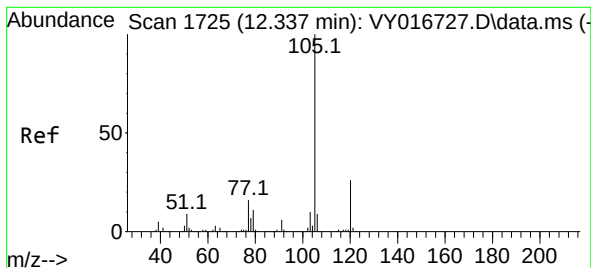
Ion Ratio Lower Upper

152 100

115 60.4 30.0 90.0

150 195.7 0.0 344.6





#73

Isopropylbenzene

Concen: 120.870 ug/l

RT: 12.337 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

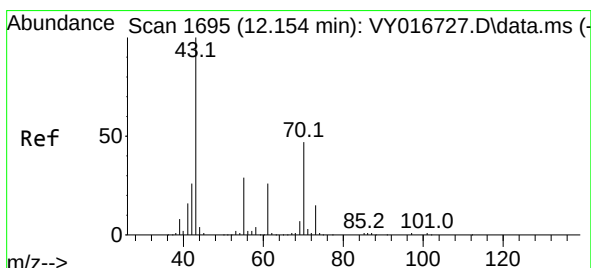
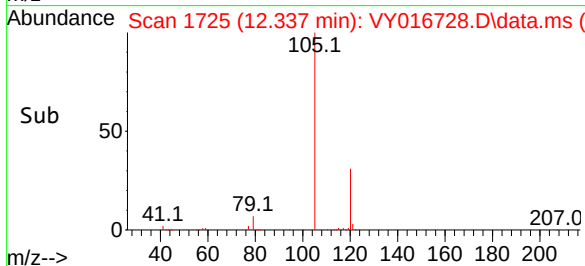
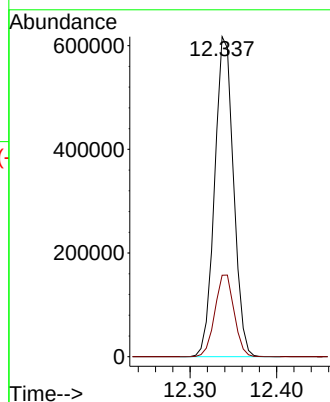
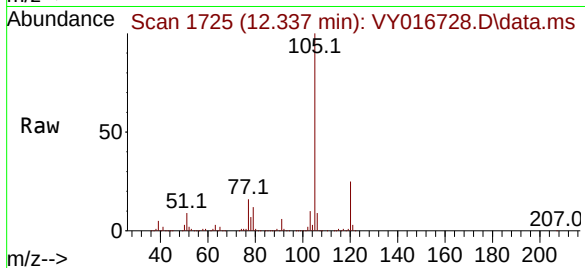
VSTDIC100

Tgt Ion:105 Resp: 934655

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 130.694 ug/l

RT: 12.154 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Tgt Ion: 43 Resp: 212703

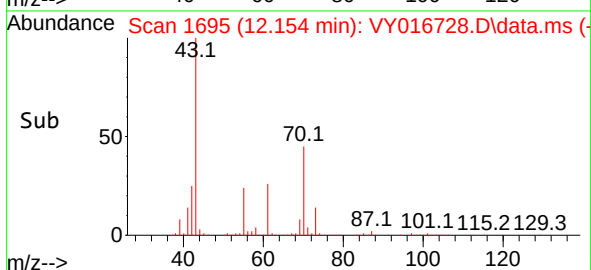
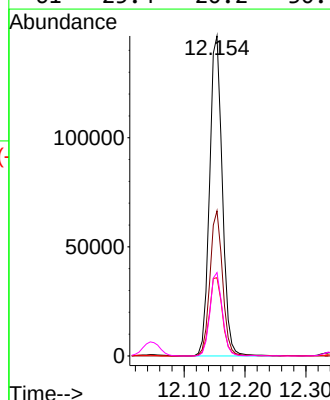
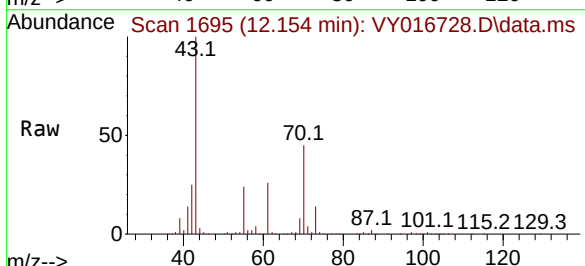
Ion Ratio Lower Upper

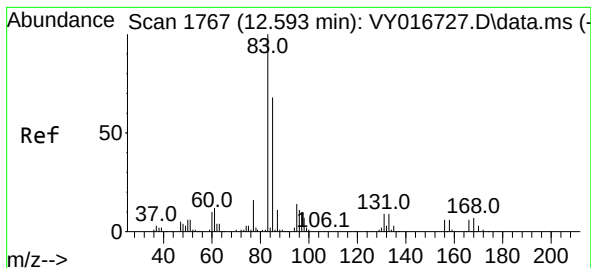
43 100

70 45.1 36.6 55.0

55 25.4 22.2 33.4

61 25.4 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 115.820 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

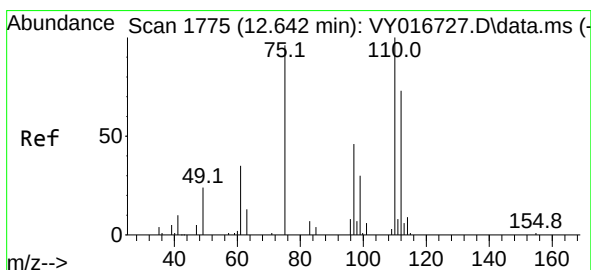
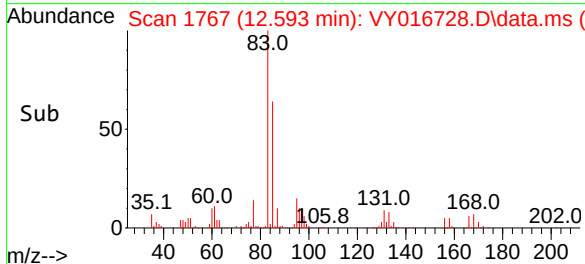
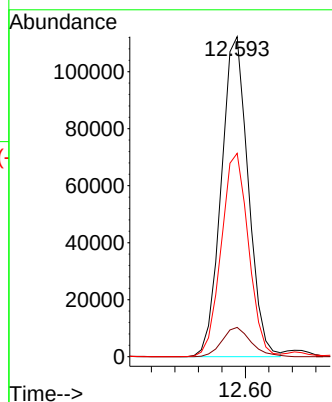
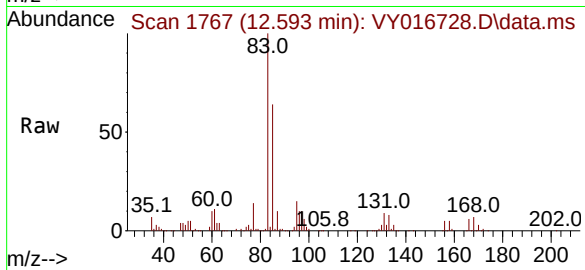
Tgt Ion: 83 Resp: 178971

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

85 64.3 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 197.502 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VY016728.D

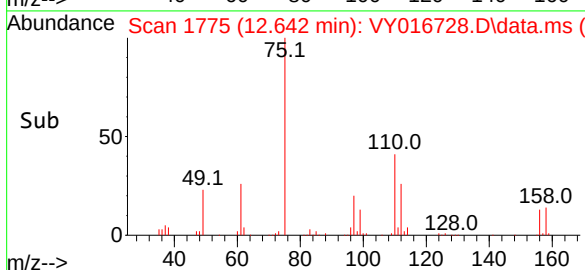
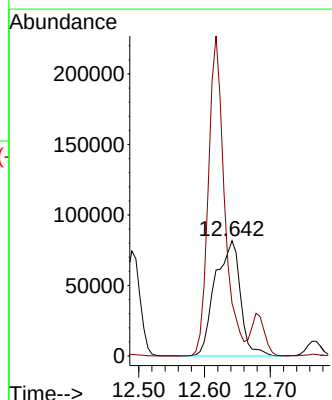
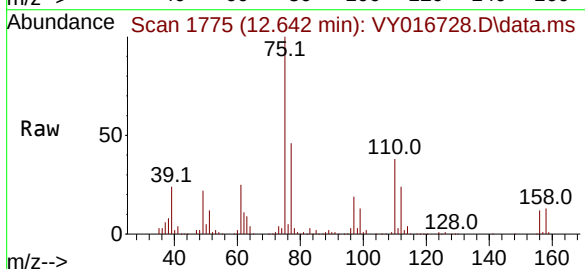
Acq: 20 Dec 2023 16:32

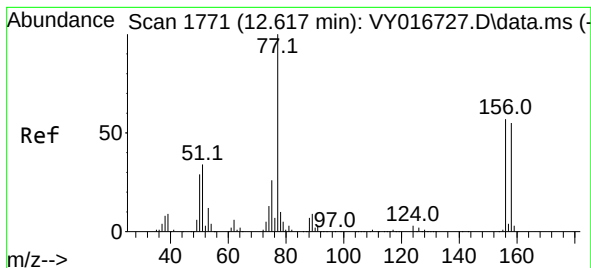
Tgt Ion: 75 Resp: 217113

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 117.639 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

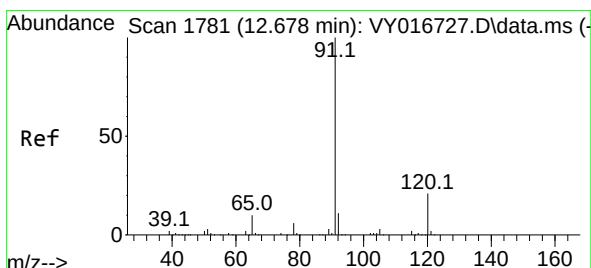
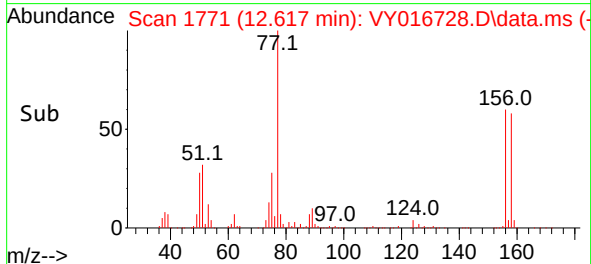
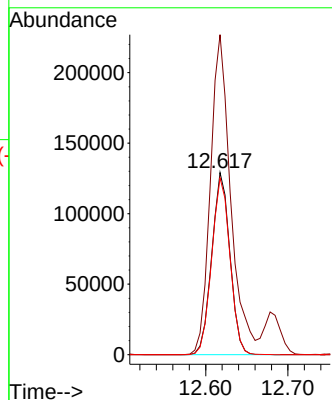
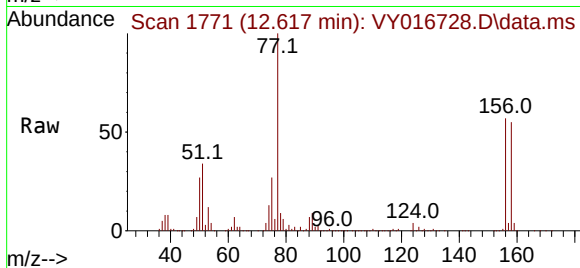
Tgt Ion:156 Resp: 198453

Ion Ratio Lower Upper

156 100

77 195.6 97.3 291.8

158 97.8 48.4 145.0



#78

n-propylbenzene

Concen: 119.986 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VY016728.D

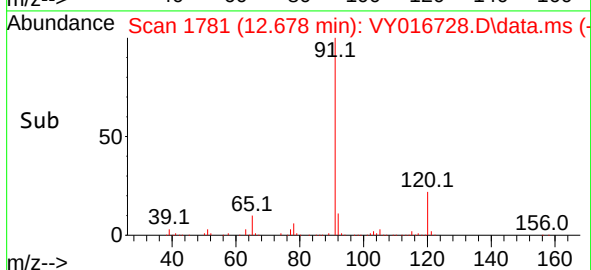
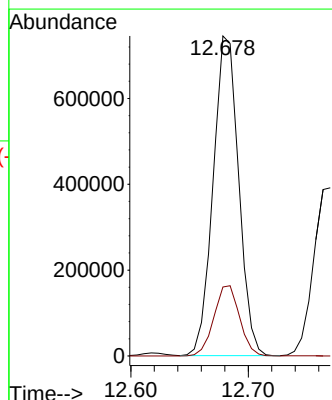
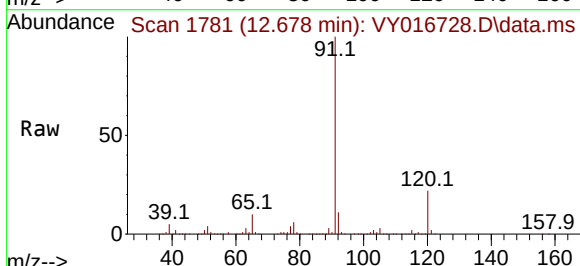
Acq: 20 Dec 2023 16:32

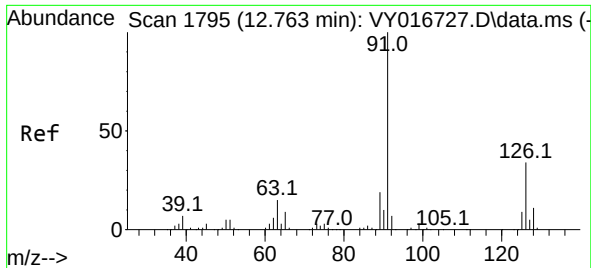
Tgt Ion: 91 Resp: 1124141

Ion Ratio Lower Upper

91 100

120 22.1 11.0 33.0

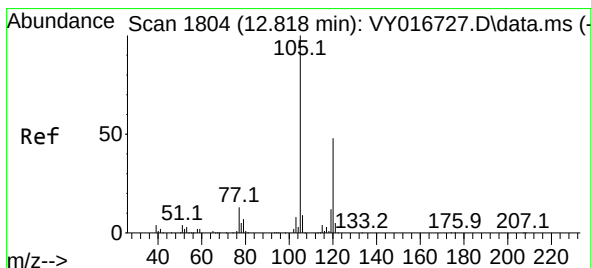
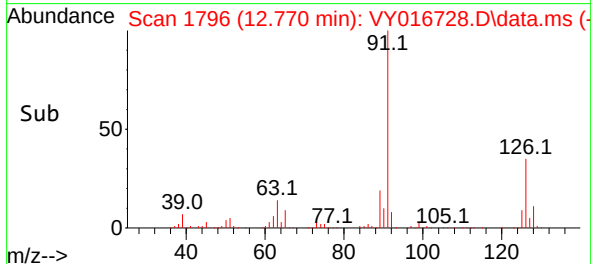
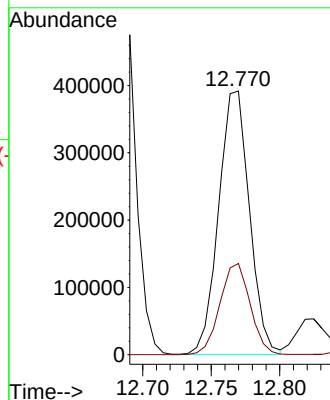
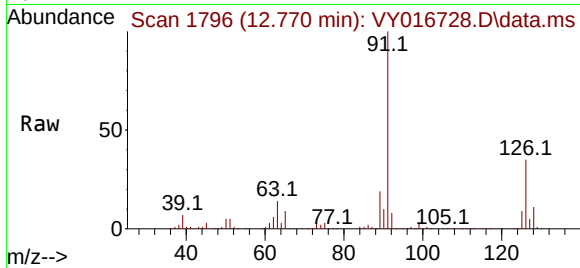




#79
2-Chlorotoluene
Concen: 118.304 ug/l
RT: 12.770 min Scan# 1795
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

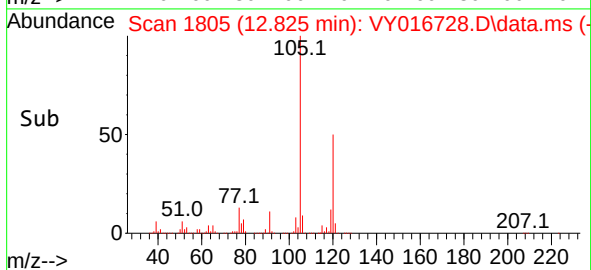
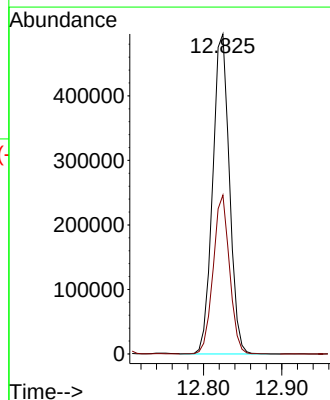
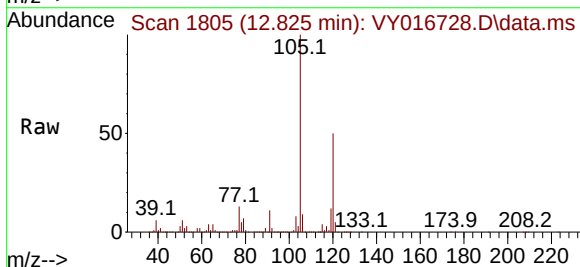
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

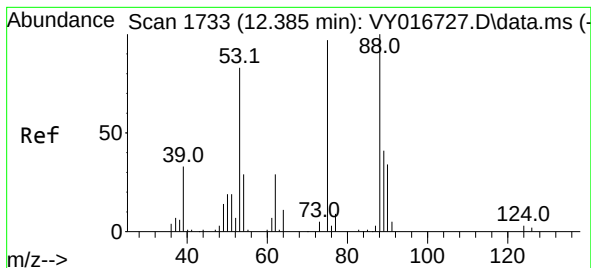
Tgt Ion: 91 Resp: 613311
Ion Ratio Lower Upper
91 100
126 33.9 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 119.905 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 105 Resp: 733955
Ion Ratio Lower Upper
105 100
120 48.5 24.3 72.8

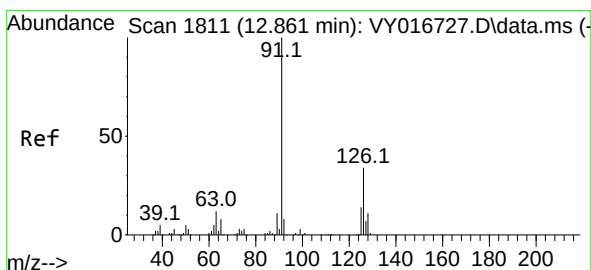
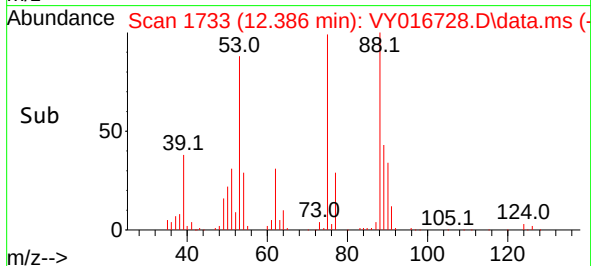
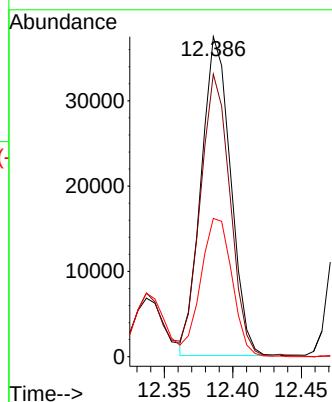
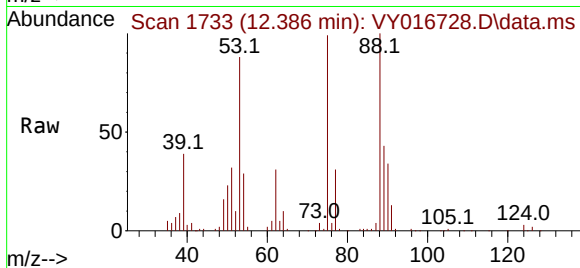




#81
trans-1,4-Dichloro-2-butene
Concen: 119.877 ug/l
RT: 12.386 min Scan# 1733
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

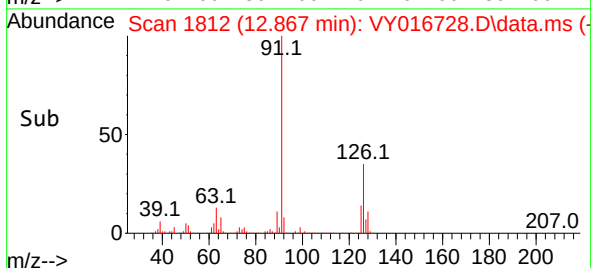
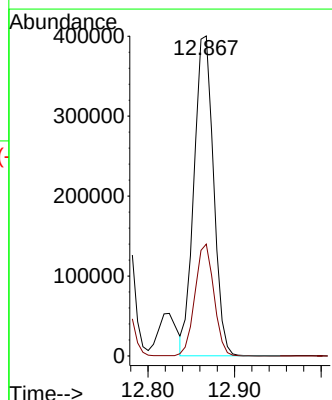
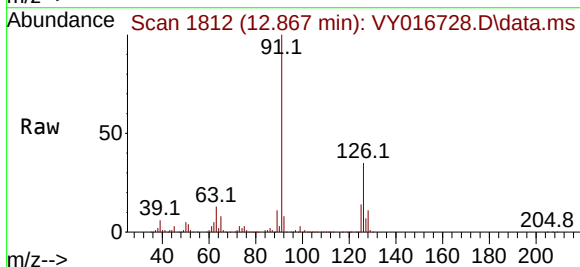
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

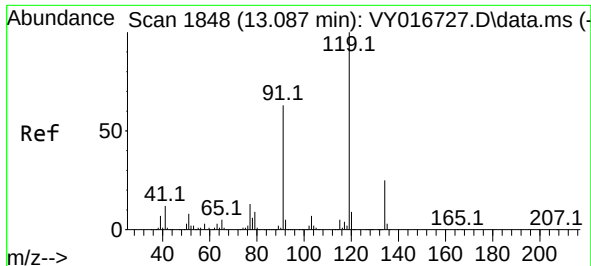
Tgt Ion:	75	Resp:	56027
Ion Ratio	Lower	Upper	
75	100		
53	89.5	74.0	111.0
89	46.0	36.5	54.7



#82
4-Chlorotoluene
Concen: 117.705 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion:	91	Resp:	626012
Ion Ratio	Lower	Upper	
91	100		
126	34.1	17.1	51.2

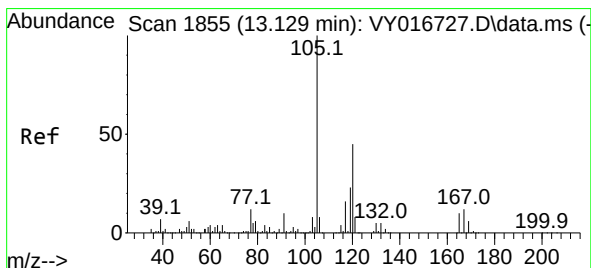
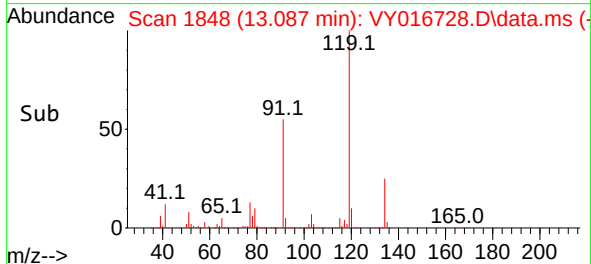
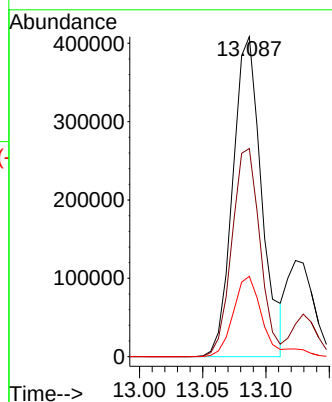
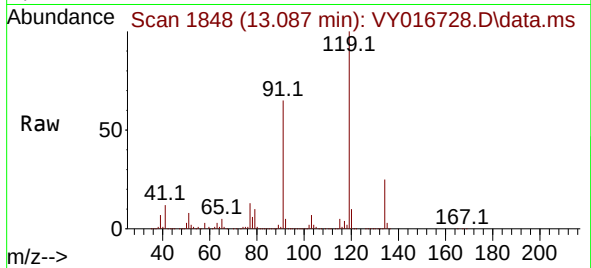




#83
tert-Butylbenzene
Concen: 121.715 ug/l
RT: 13.087 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

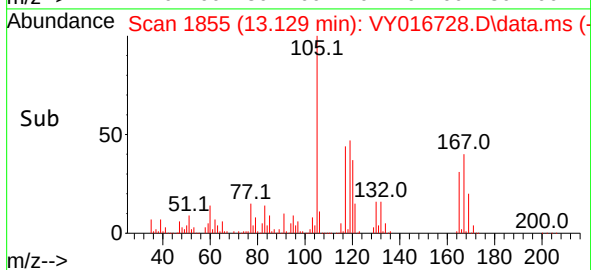
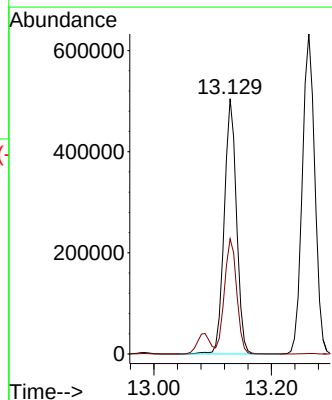
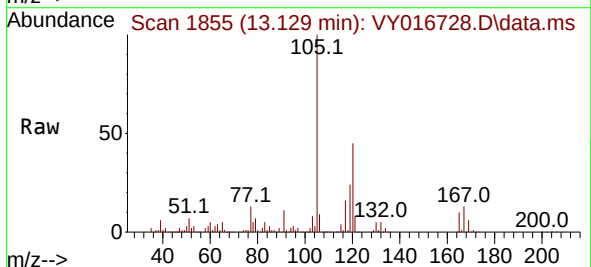
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

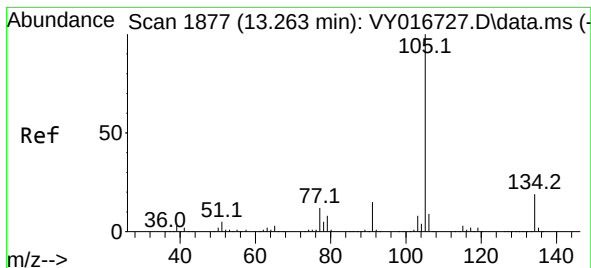
Tgt Ion:119 Resp: 648059
Ion Ratio Lower Upper
119 100
91 63.6 31.5 94.5
134 26.2 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 121.027 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion:105 Resp: 730497
Ion Ratio Lower Upper
105 100
120 45.0 22.1 66.3





#85

sec-Butylbenzene

Concen: 118.552 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

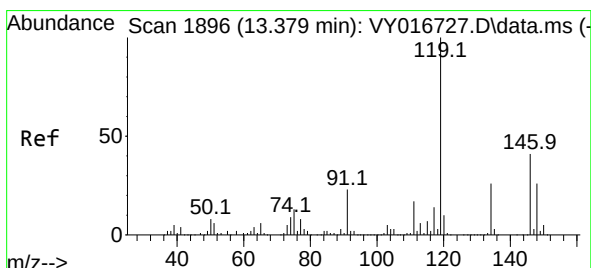
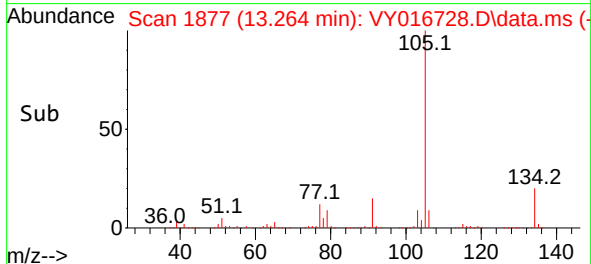
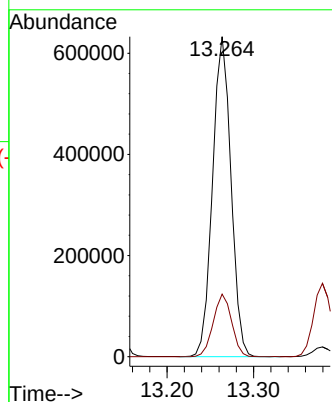
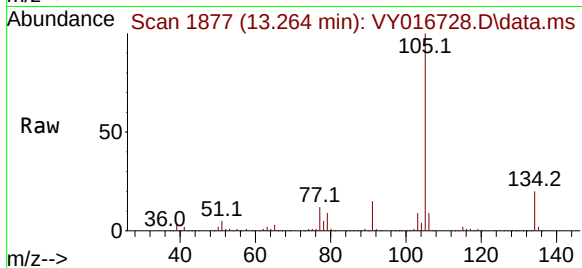
VSTDICC100

Tgt Ion:105 Resp: 934936

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



#86

p-Isopropyltoluene

Concen: 120.399 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

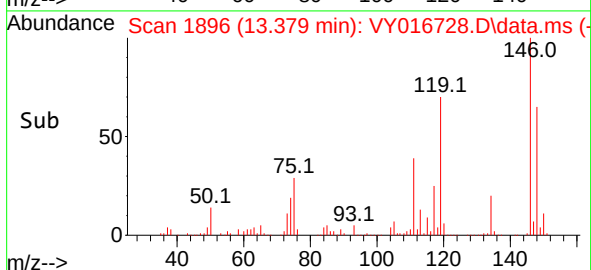
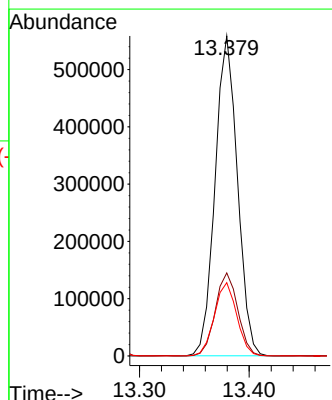
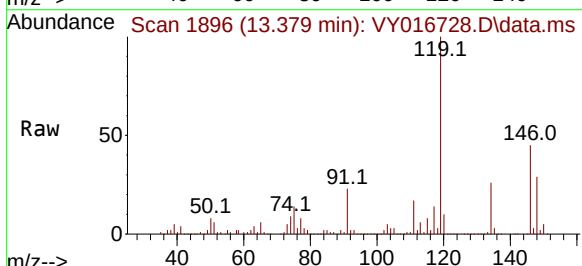
Tgt Ion:119 Resp: 790741

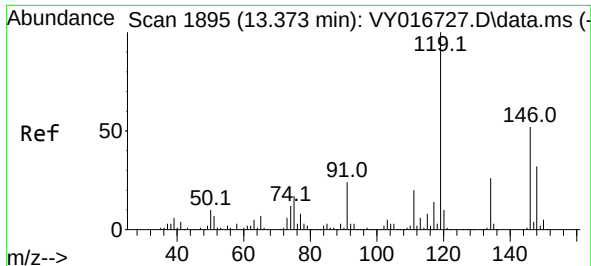
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 22.9 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 117.958 ug/l

RT: 13.379 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

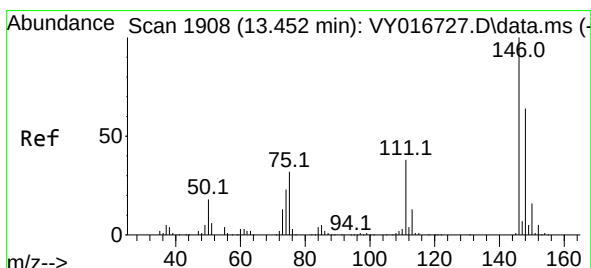
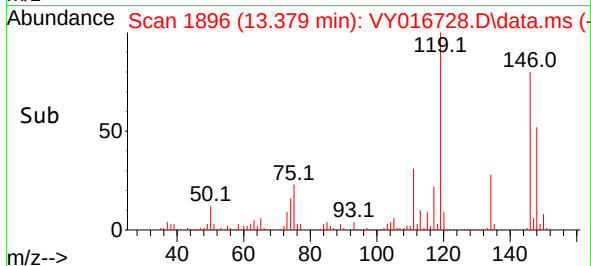
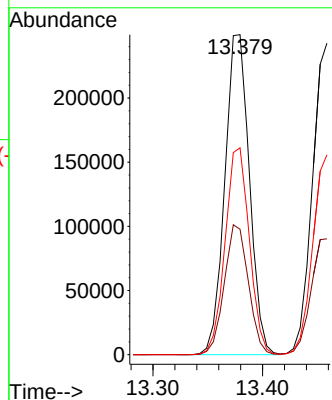
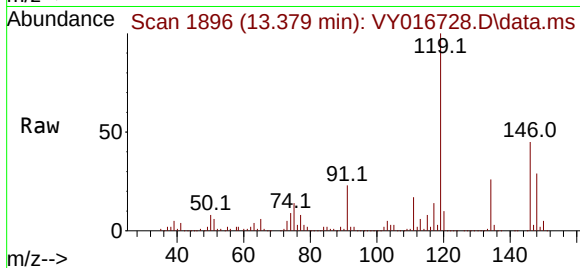
Tgt Ion:146 Resp: 388882

Ion Ratio Lower Upper

146 100

111 39.8 20.2 60.5

148 63.8 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 115.188 ug/l

RT: 13.459 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

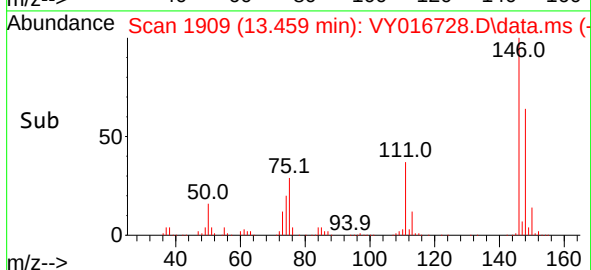
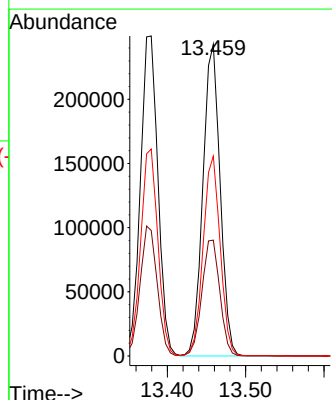
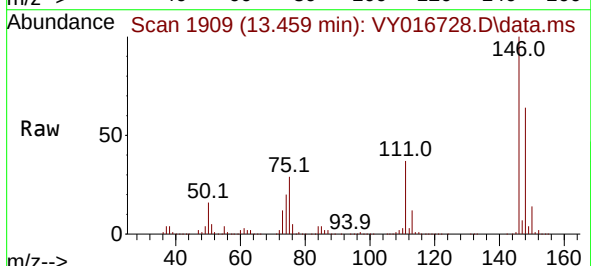
Tgt Ion:146 Resp: 370811

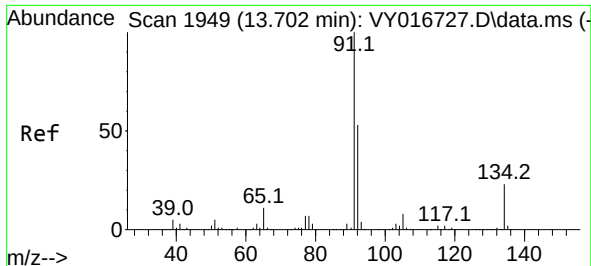
Ion Ratio Lower Upper

146 100

111 38.5 19.3 57.9

148 63.5 31.6 94.7





#89

n-Butylbenzene

Concen: 117.389 ug/l

RT: 13.709 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

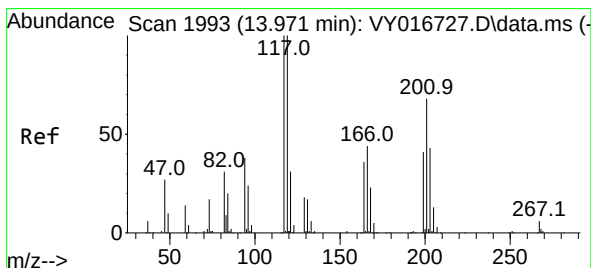
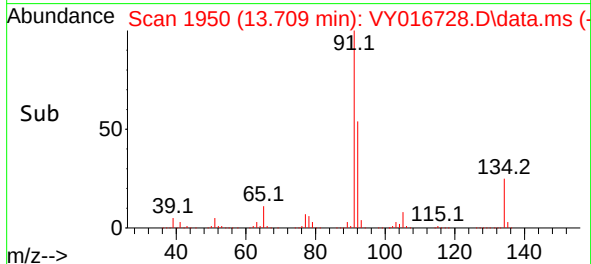
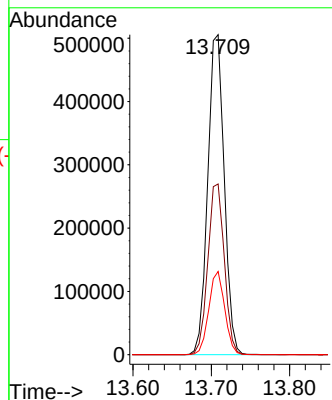
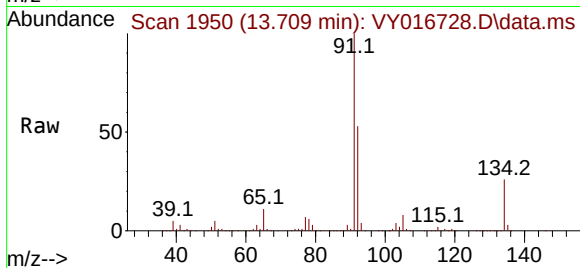
Tgt Ion: 91 Resp: 736992

Ion Ratio Lower Upper

91 100

92 53.4 26.4 79.2

134 25.2 12.3 36.8



#90

Hexachloroethane

Concen: 114.473 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY016728.D

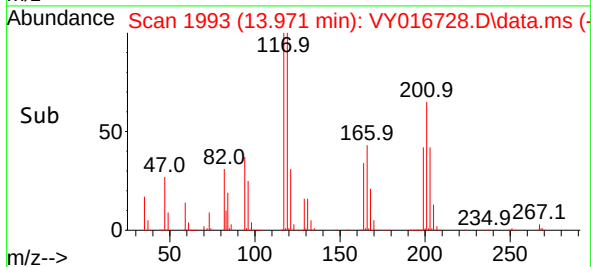
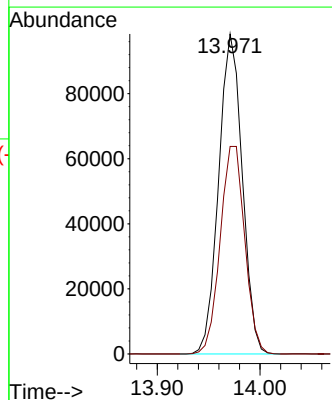
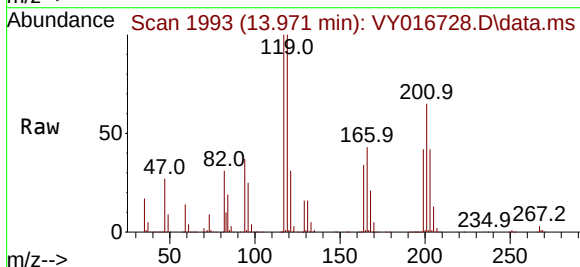
Acq: 20 Dec 2023 16:32

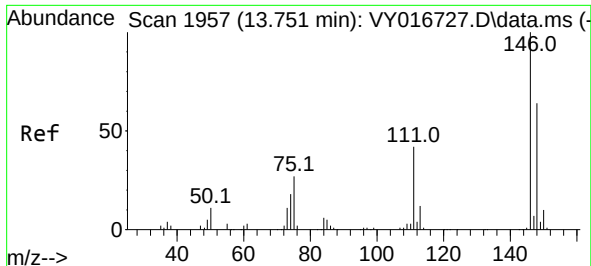
Tgt Ion: 117 Resp: 156551

Ion Ratio Lower Upper

117 100

201 67.7 33.4 100.1

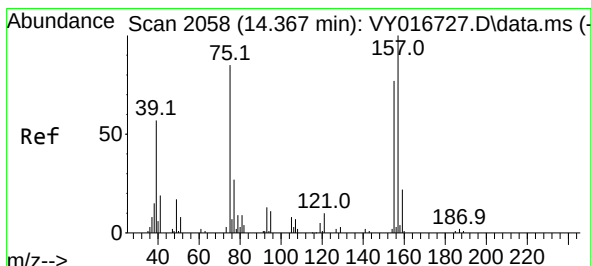
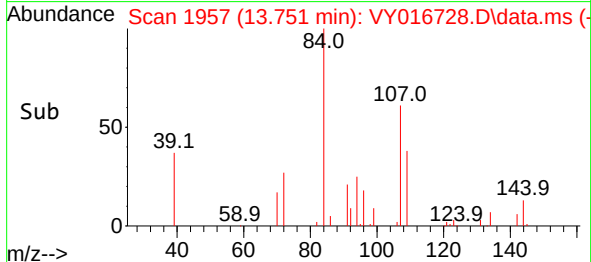
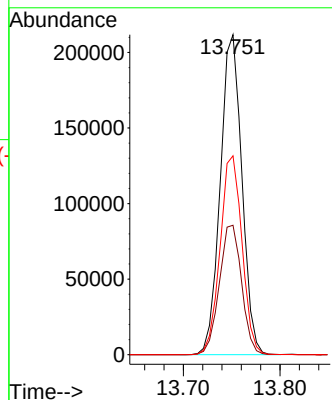
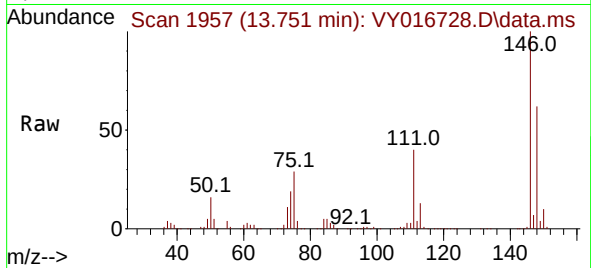




#91
1,2-Dichlorobenzene
Concen: 116.763 ug/l
RT: 13.751 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

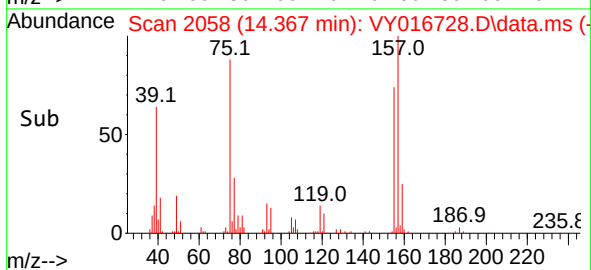
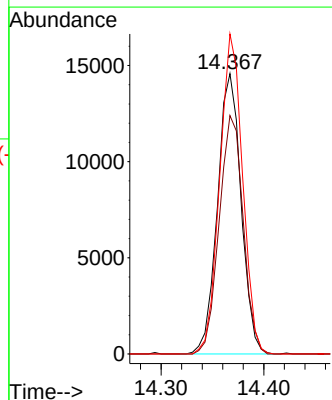
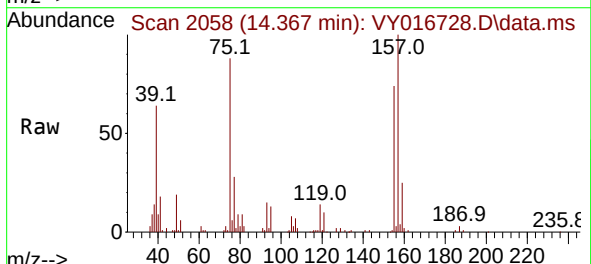
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

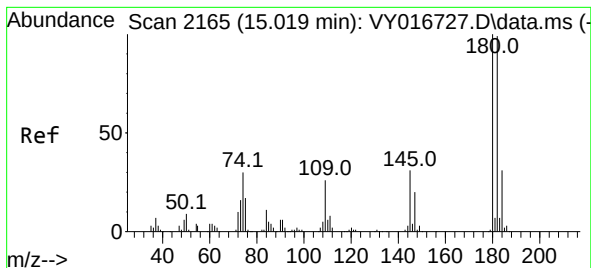
Tgt Ion:146 Resp: 327937
Ion Ratio Lower Upper
146 100
111 41.8 20.5 61.6
148 63.2 31.4 94.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 115.956 ug/l
RT: 14.367 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY016728.D
Acq: 20 Dec 2023 16:32

Tgt Ion: 75 Resp: 23227
Ion Ratio Lower Upper
75 100
155 86.2 42.1 126.3
157 110.8 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 120.686 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

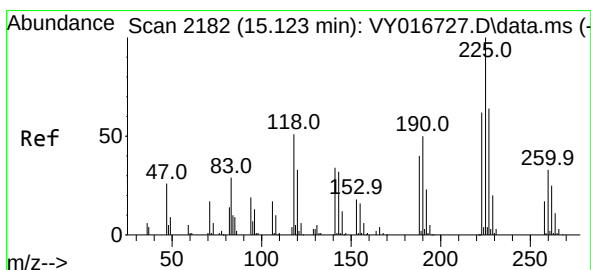
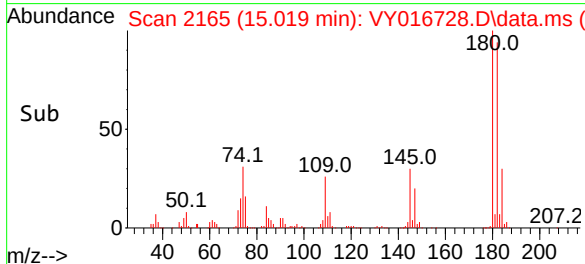
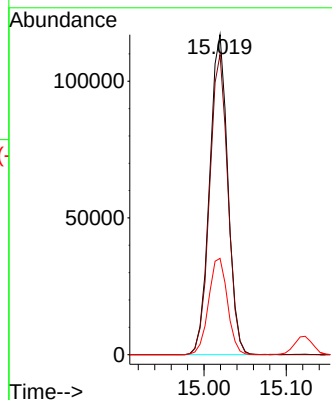
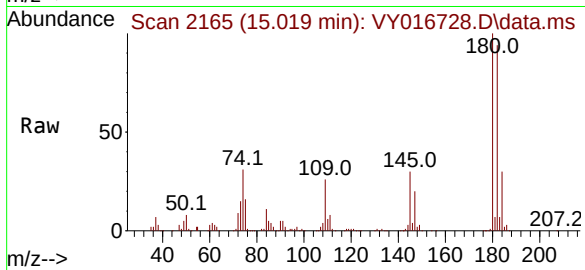
Tgt Ion:180 Resp: 179855

Ion Ratio Lower Upper

180 100

182 94.1 47.9 143.7

145 31.2 15.9 47.7



#94

Hexachlorobutadiene

Concen: 106.864 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

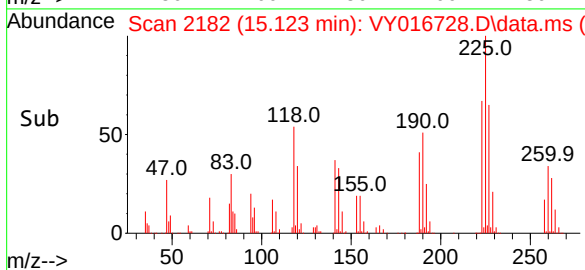
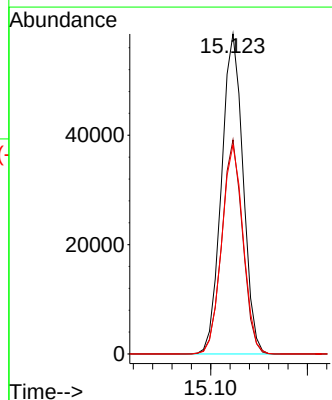
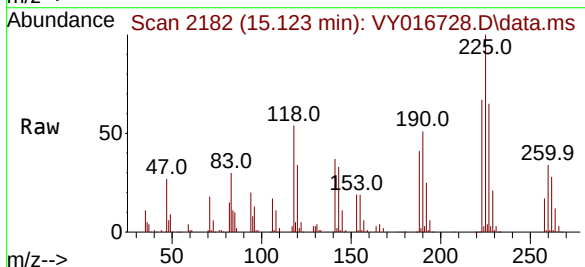
Tgt Ion:225 Resp: 90454

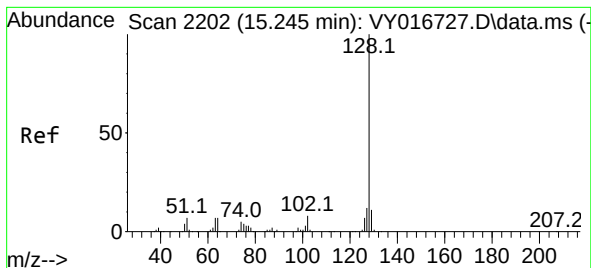
Ion Ratio Lower Upper

225 100

223 64.5 31.4 94.3

227 64.9 32.3 96.8





#95

Naphthalene

Concen: 111.491 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

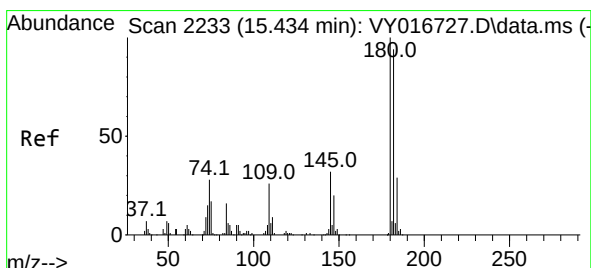
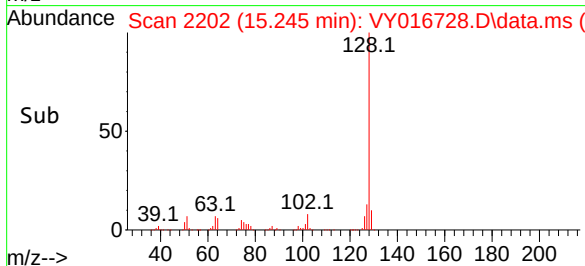
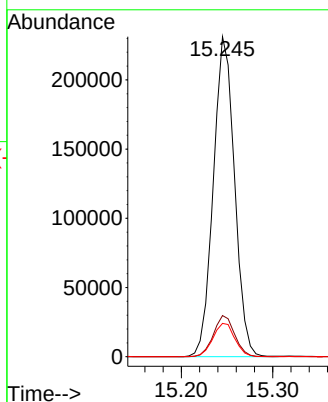
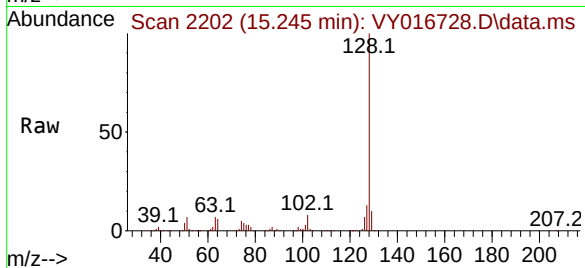
Tgt Ion:128 Resp: 372956

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 119.881 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.000 min

Lab File: VY016728.D

Acq: 20 Dec 2023 16:32

Tgt Ion:180 Resp: 152156

Ion Ratio Lower Upper

180 100

182 93.8 46.3 138.8

145 32.2 16.1 48.2

