

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016731.D
 Acq On : 20 Dec 2023 18:10
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 21 00:55:50 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	7.795	168	175284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	302581	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	256354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	105772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	7610	4.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.520%#
35) Dibromofluoromethane	7.722	113	8324	4.803	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.600%#
50) Toluene-d8	10.185	98	28539	4.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.140%#
62) 4-Bromofluorobenzene	12.489	95	9317	4.596	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	7803	5.209	ug/l	95
3) Chloromethane	2.113	50	10969	4.764	ug/l	93
4) Vinyl Chloride	2.253	62	12711	4.887	ug/l	97
5) Bromomethane	2.656	94	9093	4.909	ug/l	98
6) Chloroethane	2.802	64	8059	4.573	ug/l	97
7) Trichlorofluoromethane	3.131	101	14934	4.929	ug/l	97
8) Diethyl Ether	3.528	74	4441	4.582	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	8818	4.745	ug/l	98
10) Methyl Iodide	4.101	142	7962	4.111	ug/l	95
11) Tert butyl alcohol	4.942	59	3287	25.082	ug/l #	87
12) 1,1-Dichloroethene	3.881	96	7526	4.548	ug/l	86
13) Acrolein	3.735	56	2746	31.007	ug/l	98
14) Allyl chloride	4.485	41	11803	4.657	ug/l	98
15) Acrylonitrile	5.168	53	8770	21.367	ug/l	99
16) Acetone	3.948	43	11247	25.993	ug/l #	87
17) Carbon Disulfide	4.198	76	20295	4.507	ug/l	100
18) Methyl Acetate	4.485	43	6652	3.934	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	16952	3.981	ug/l	96
20) Methylene Chloride	4.722	84	19738	6.189	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	8909	4.721	ug/l	94
22) Diisopropyl ether	6.119	45	24376	4.251	ug/l	96
23) Vinyl Acetate	6.064	43	56888	20.976	ug/l	99
24) 1,1-Dichloroethane	6.027	63	16516	4.795	ug/l	96
25) 2-Butanone	6.990	43	13177	22.118	ug/l	93
26) 2,2-Dichloropropane	6.984	77	15093	5.021	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	9982	4.596	ug/l	97
28) Bromochloromethane	7.332	49	5998	4.399	ug/l #	98
29) Tetrahydrofuran	7.356	42	6364	19.536	ug/l	97
30) Chloroform	7.509	83	17050	4.835	ug/l	97
31) Cyclohexane	7.789	56	16283	5.311	ug/l #	66
32) 1,1,1-Trichloroethane	7.704	97	14204	4.589	ug/l	98
36) 1,1-Dichloropropene	7.923	75	12433	4.474	ug/l	98
37) Ethyl Acetate	7.076	43	4651	3.824	ug/l #	80
38) Carbon Tetrachloride	7.911	117	12417	4.516	ug/l	97
39) Methylcyclohexane	9.185	83	13439	4.189	ug/l	94
40) Benzene	8.167	78	35856	4.434	ug/l	97

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 ClientSampleId :
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.356	41	6506	10.289	ug/l #	23
42) 1,2-Dichloroethane	8.240	62	9422	4.466	ug/l	99
43) Isopropyl Acetate	8.277	43	9184	3.970	ug/l #	87
44) Trichloroethene	8.941	130	9464	4.586	ug/l	92
45) 1,2-Dichloropropane	9.222	63	9070	4.472	ug/l	92
46) Dibromomethane	9.313	93	4606	4.396	ug/l	99
47) Bromodichloromethane	9.502	83	12877	4.662	ug/l	96
48) Methyl methacrylate	9.295	41	4861	3.747	ug/l	98
49) 1,4-Dioxane	9.301	88	540	53.095	ug/l #	79
51) 4-Methyl-2-Pentanone	10.075	43	22788	18.489	ug/l	96
52) Toluene	10.252	92	21128	4.360	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	10755	4.271	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	13200	4.345	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	6579	4.401	ug/l	97
56) Ethyl methacrylate	10.514	69	4658	3.543	ug/l	96
57) 1,3-Dichloropropane	10.795	76	10960	4.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	11379	38.165	ug/l	100
59) 2-Hexanone	10.837	43	17411	18.945	ug/l	97
60) Dibromochloromethane	10.990	129	7576	4.381	ug/l	99
61) 1,2-Dibromoethane	11.093	107	5636	4.204	ug/l	97
64) Tetrachloroethene	10.727	164	6973	4.379	ug/l	91
65) Chlorobenzene	11.520	112	22741	4.515	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.593	131	8431	4.449	ug/l	98
67) Ethyl Benzene	11.599	91	38357	4.138	ug/l	98
68) m/p-Xylenes	11.709	106	28704	8.385	ug/l	99
69) o-Xylene	12.032	106	13337	4.247	ug/l	98
70) Styrene	12.050	104	18631	4.009	ug/l	99
71) Bromoform	12.215	173	3921	4.150	ug/l #	97
73) Isopropylbenzene	12.337	105	36012	4.372	ug/l	99
74) N-amyl acetate	12.148	43	6473	3.734	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	7429	4.513	ug/l	93
76) 1,2,3-Trichloropropane	12.642	75	8629	7.368	ug/l #	100
77) Bromobenzene	12.611	156	8100	4.507	ug/l	96
78) n-propylbenzene	12.678	91	42846	4.293	ug/l	99
79) 2-Chlorotoluene	12.764	91	25199	4.563	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	27609	4.234	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	1900	3.816	ug/l	90
82) 4-Chlorotoluene	12.861	91	26201	4.624	ug/l	100
83) tert-Butylbenzene	13.081	119	24814	4.375	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	27228	4.235	ug/l	99
85) sec-Butylbenzene	13.258	105	37092	4.415	ug/l	100
86) p-Isopropyltoluene	13.373	119	30030	4.292	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	16299	4.641	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	16029	4.674	ug/l	89
89) n-Butylbenzene	13.703	91	29413	4.398	ug/l	98
90) Hexachloroethane	13.971	117	6830	4.688	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	14081	4.706	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	955	4.475	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	7093	4.468	ug/l	98
94) Hexachlorobutadiene	15.117	225	4653	5.160	ug/l	98
95) Naphthalene	15.245	128	11193	6.634	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	6222	4.602	ug/l	98

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ALS Vial : 13 Sample Multiplier: 1

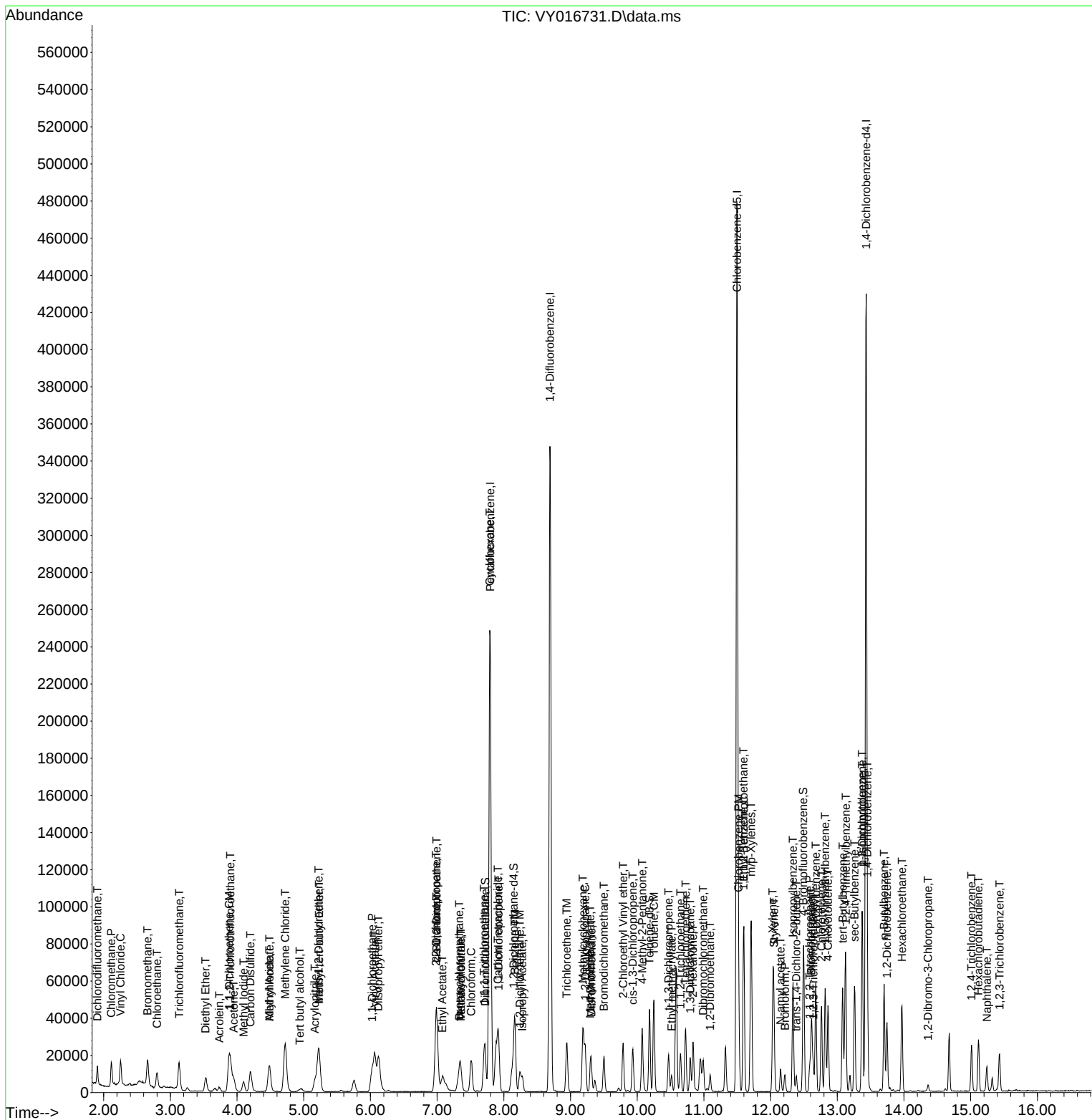
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

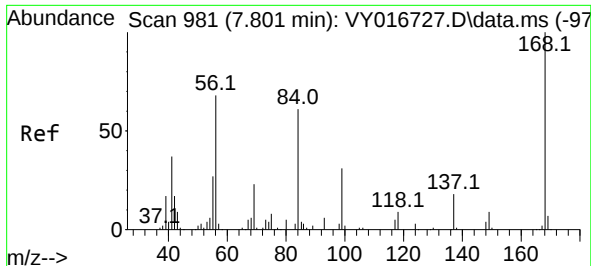
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Quant Title : SW846 8260
QLast Update : Thu Dec 21 00:33:36 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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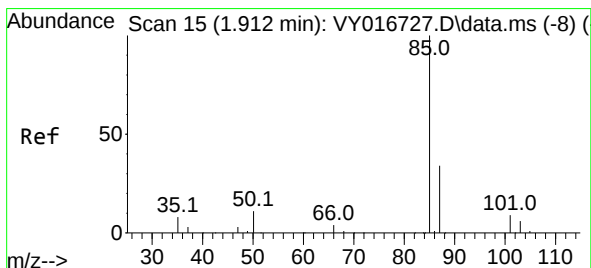
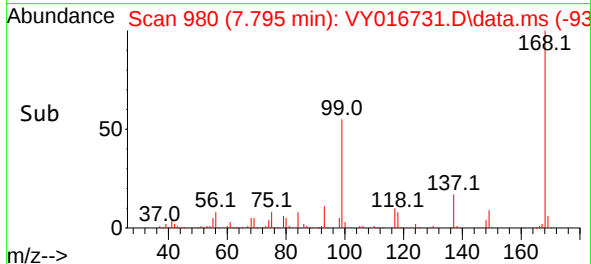
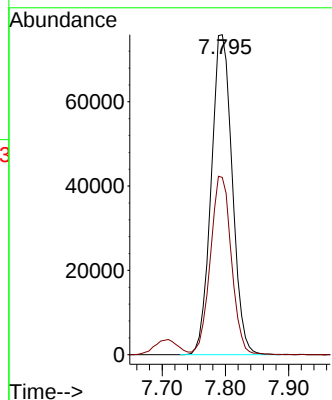
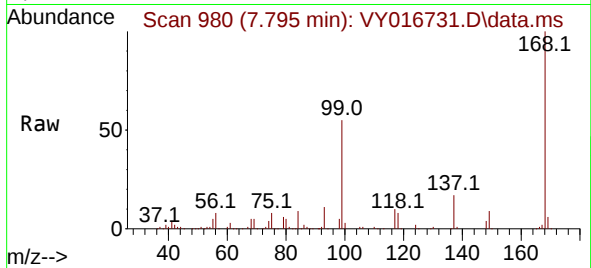




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016731.D
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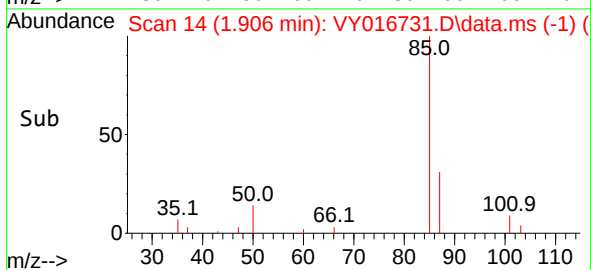
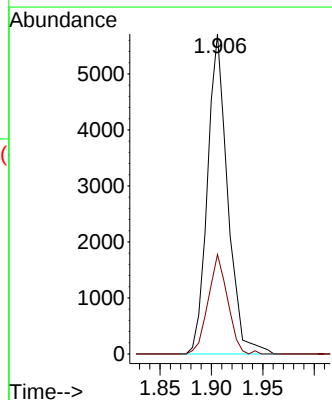
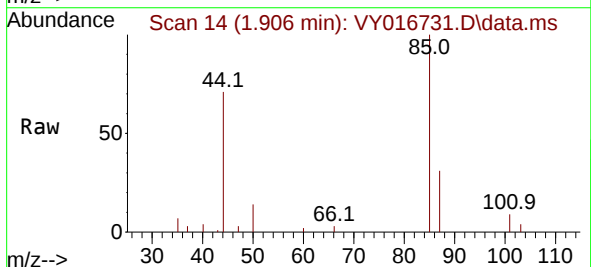
Instrument :
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ClientSampleId :
VSTDIC005

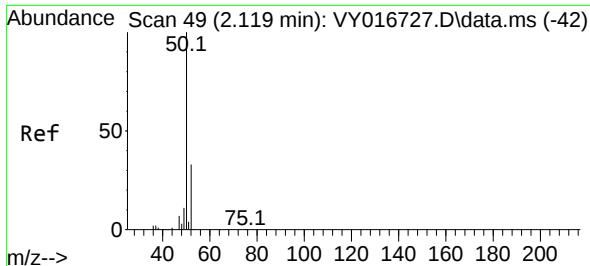
Tgt Ion:168 Resp: 175284
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 5.209 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 85 Resp: 7803
Ion Ratio Lower Upper
85 100
87 31.1 17.1 51.3

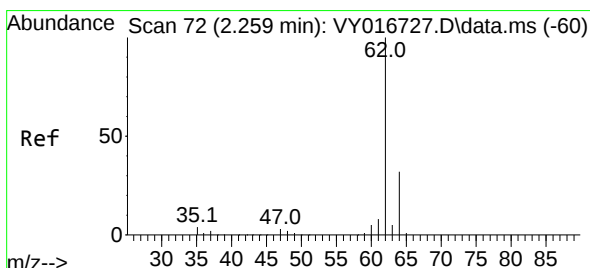
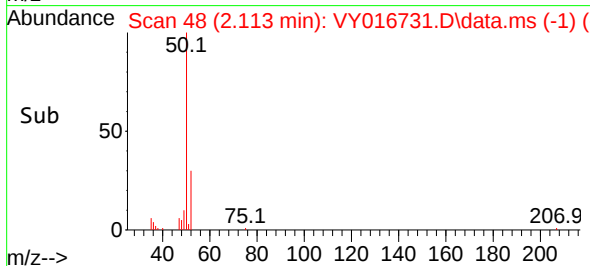
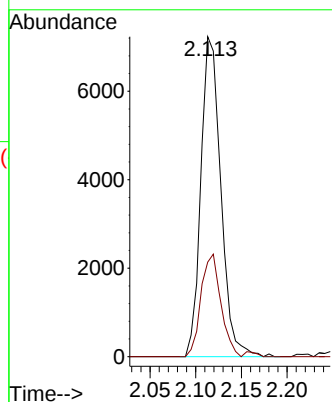
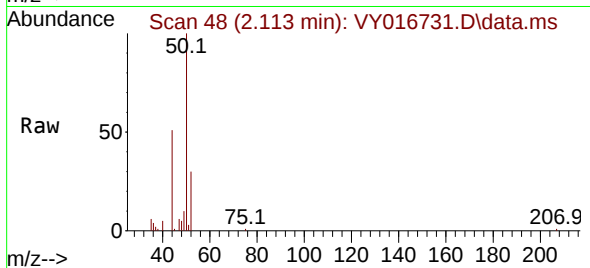




#3
Chloromethane
Concen: 4.764 ug/l
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

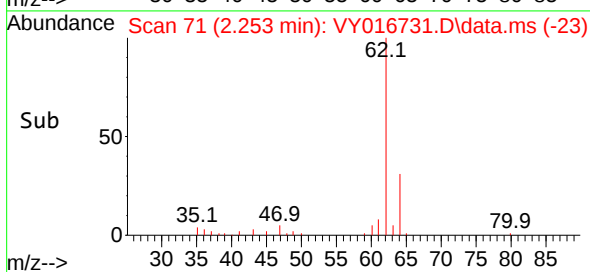
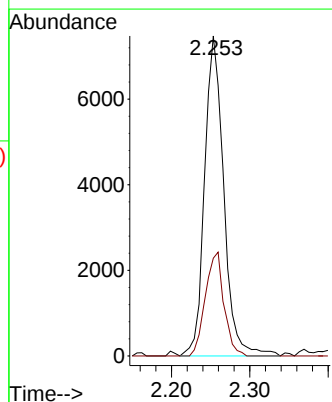
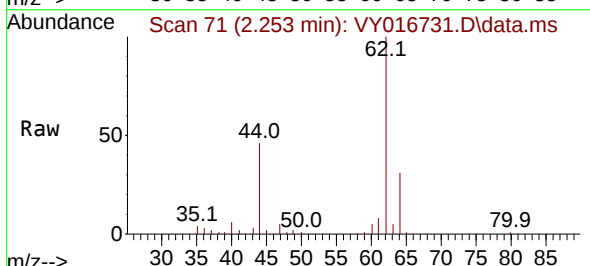
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

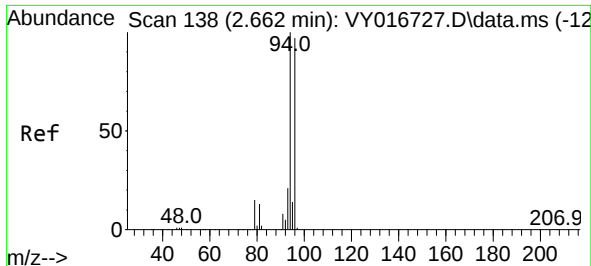
Tgt Ion: 50 Resp: 10969
Ion Ratio Lower Upper
50 100
52 29.5 26.7 40.1



#4
Vinyl Chloride
Concen: 4.887 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 62 Resp: 12711
Ion Ratio Lower Upper
62 100
64 30.5 25.7 38.5





#5

Bromomethane

Concen: 4.909 ug/l

RT: 2.656 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

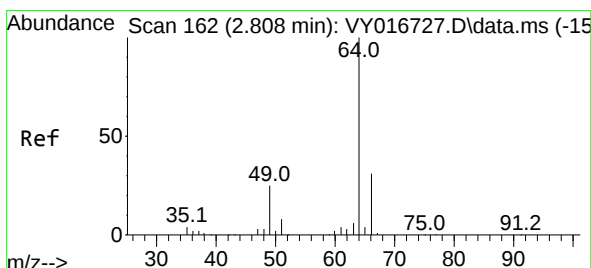
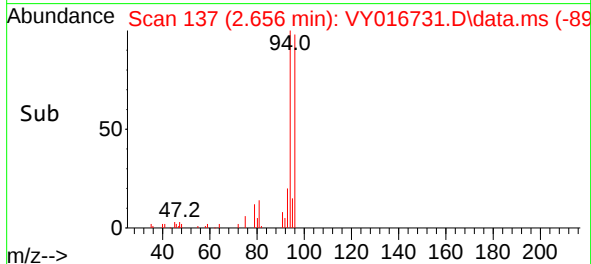
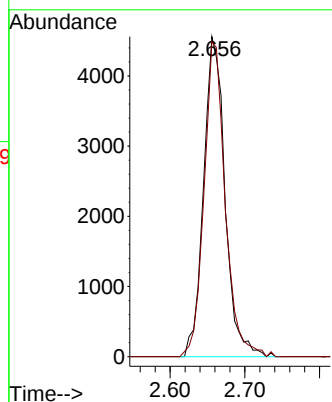
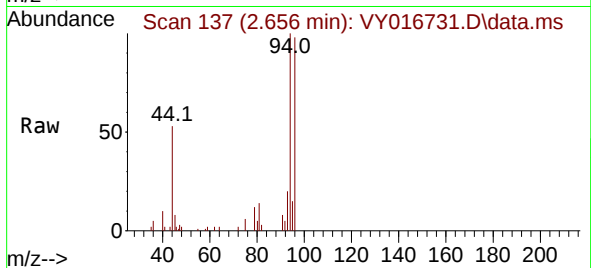
VSTDICC005

Tgt Ion: 94 Resp: 9093

Ion Ratio Lower Upper

94 100

96 98.4 77.3 115.9



#6

Chloroethane

Concen: 4.573 ug/l

RT: 2.802 min Scan# 161

Delta R.T. -0.006 min

Lab File: VY016731.D

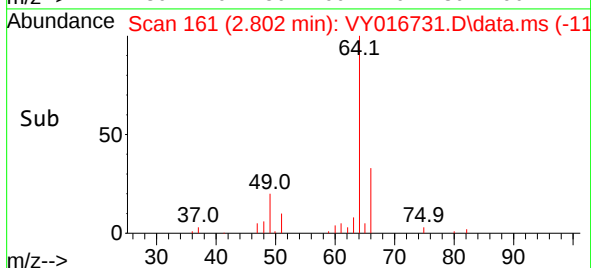
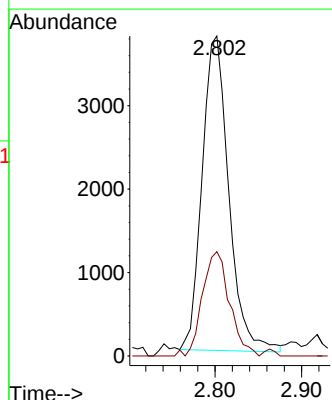
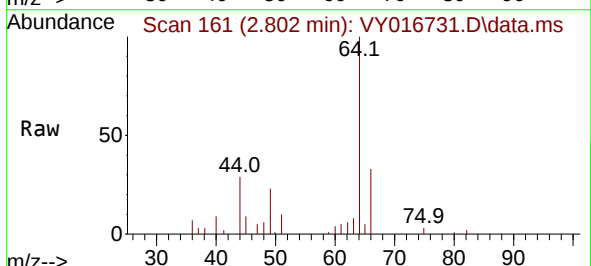
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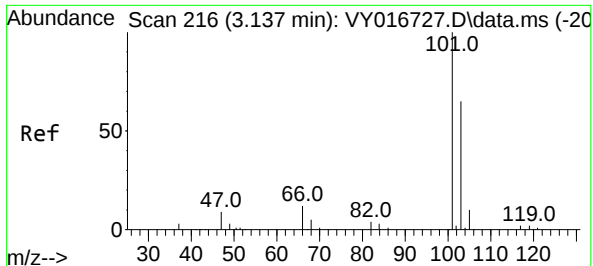
Tgt Ion: 64 Resp: 8059

Ion Ratio Lower Upper

64 100

66 33.2 25.1 37.7

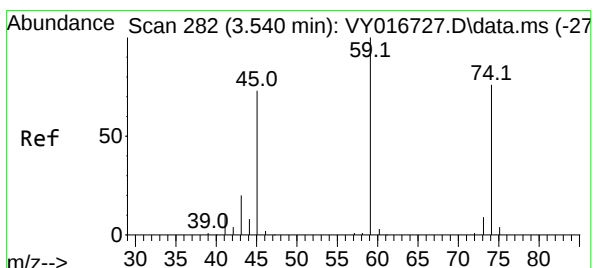
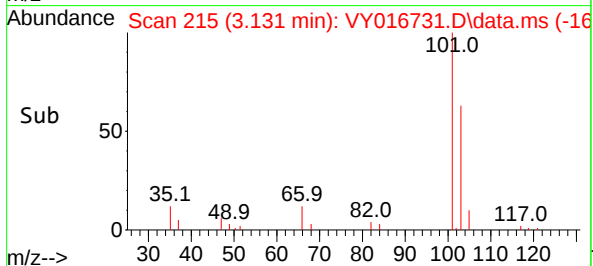
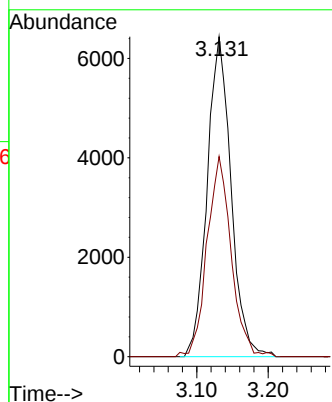
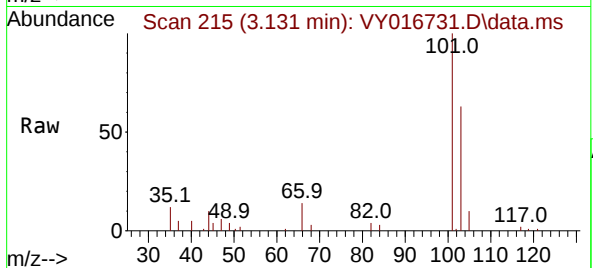




#7
 Trichlorofluoromethane
 Concen: 4.929 ug/l
 RT: 3.131 min Scan# 216
 Delta R.T. -0.006 min
 Lab File: VY016731.D
 Acq: 20 Dec 2023 18:10

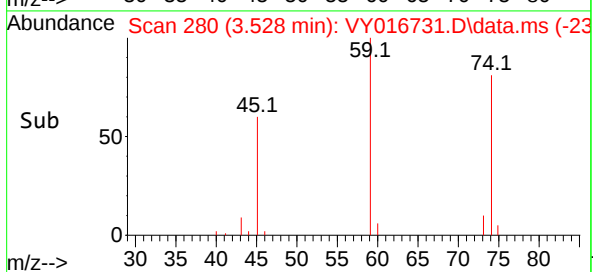
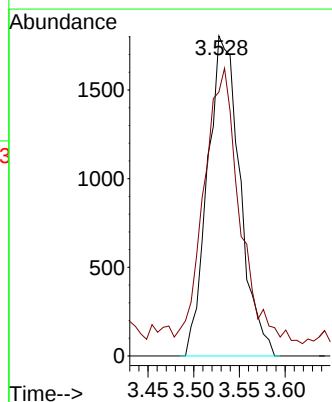
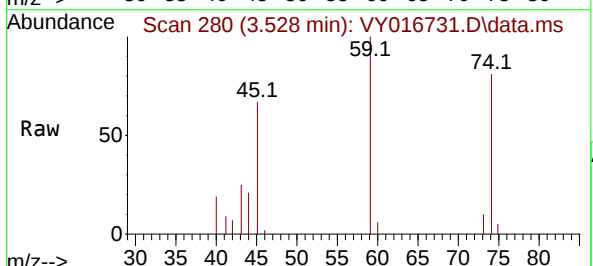
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

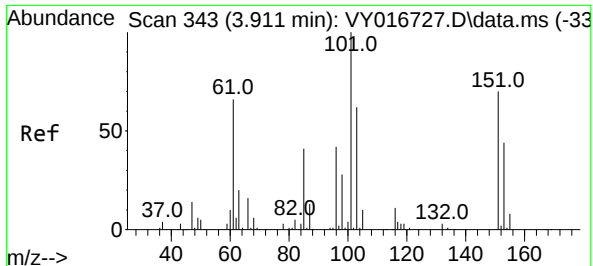
Tgt Ion:101 Resp: 14934
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.9 77.9



#8
 Diethyl Ether
 Concen: 4.582 ug/l
 RT: 3.528 min Scan# 280
 Delta R.T. -0.012 min
 Lab File: VY016731.D
 Acq: 20 Dec 2023 18:10

Tgt Ion: 74 Resp: 4441
 Ion Ratio Lower Upper
 74 100
 45 94.7 47.9 143.7

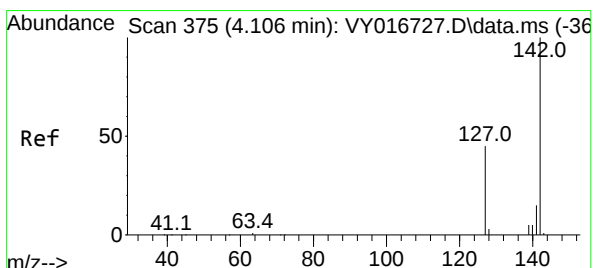
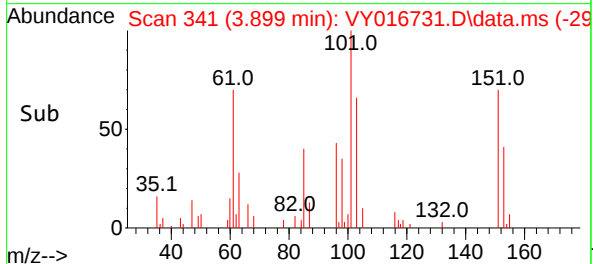
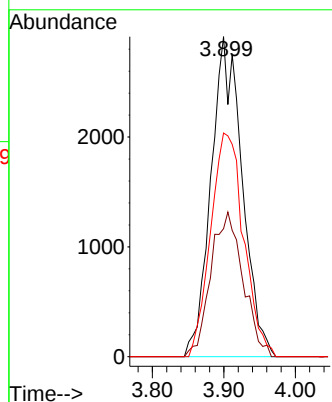
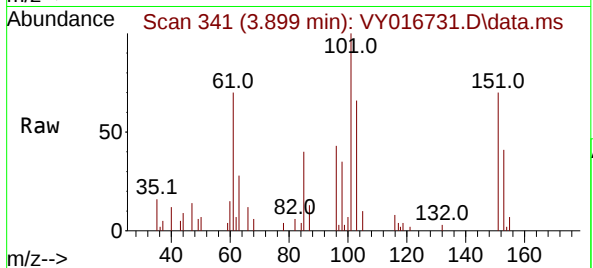




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.745 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

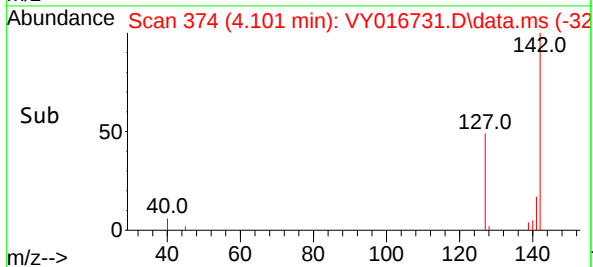
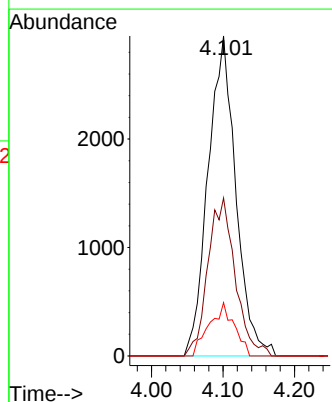
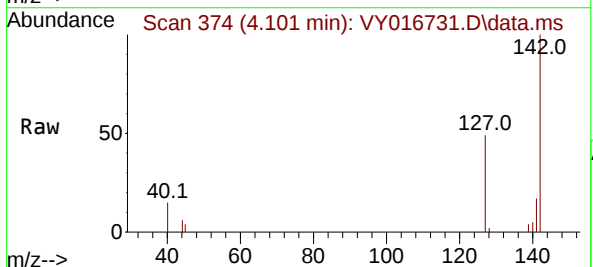
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

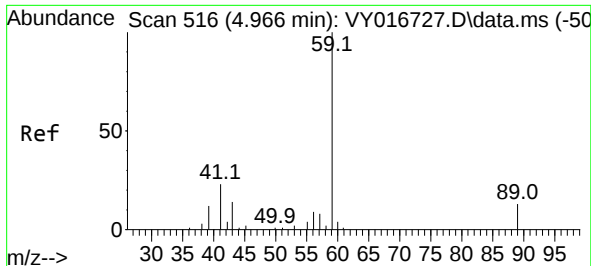
Tgt Ion:	101	Resp:	8818
Ion	Ratio	Lower	Upper
101	100		
85	46.8	35.8	53.6
151	74.3	58.6	88.0



#10
Methyl Iodide
Concen: 4.111 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion:	142	Resp:	7962
Ion	Ratio	Lower	Upper
142	100		
127	48.5	35.1	52.7
141	14.8	11.8	17.6

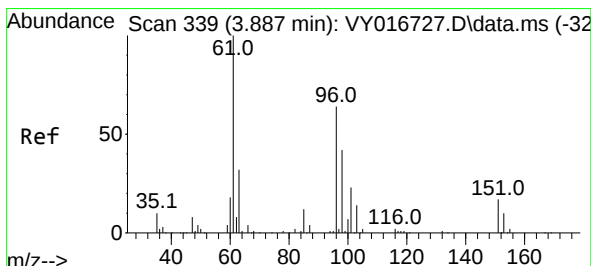
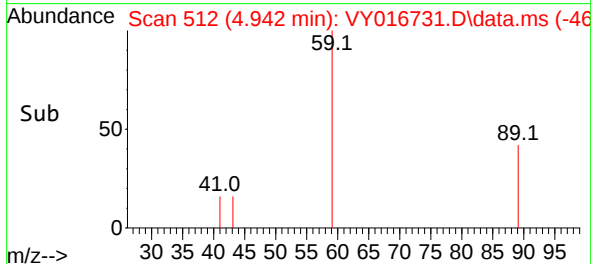
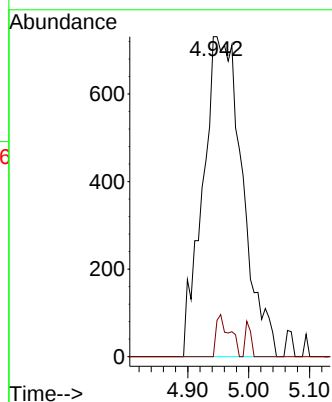
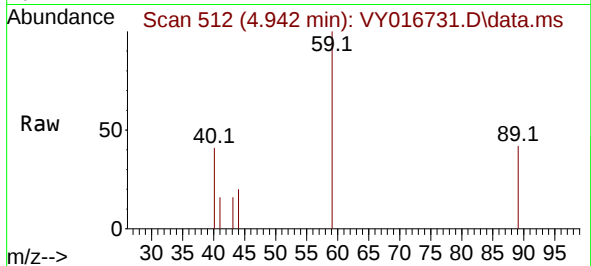




#11
Tert butyl alcohol
Concen: 25.082 ug/l
RT: 4.942 min Scan# 516
Delta R.T. -0.024 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

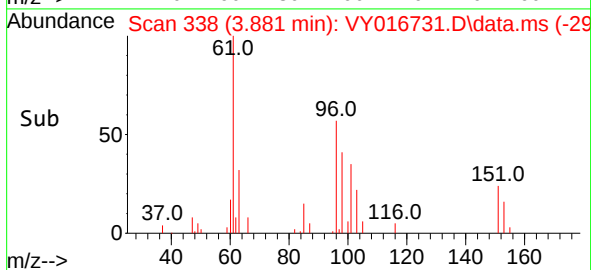
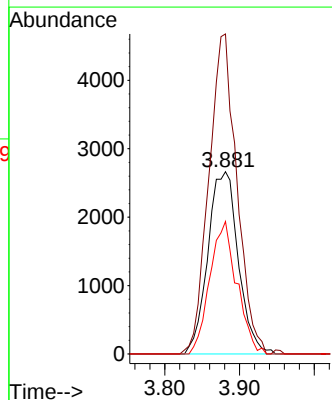
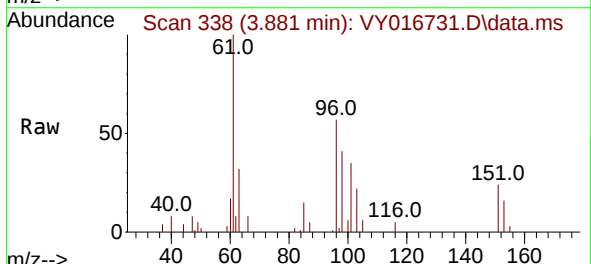
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

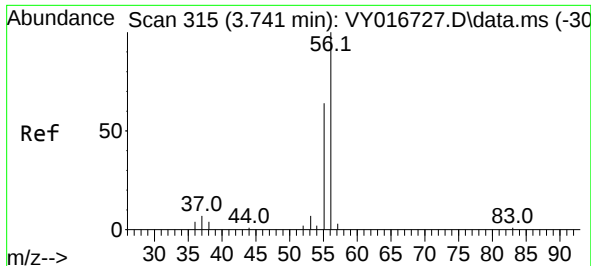
Tgt Ion: 59 Resp: 3287
Ion Ratio Lower Upper
59 100
57 4.4 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 4.548 ug/l
RT: 3.881 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 96 Resp: 7526
Ion Ratio Lower Upper
96 100
61 175.5 124.2 186.2
98 72.6 52.6 79.0

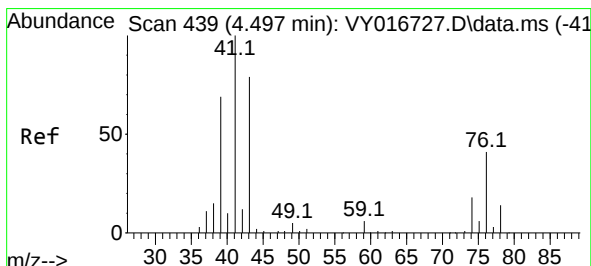
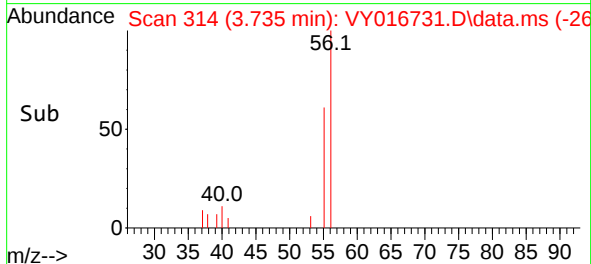
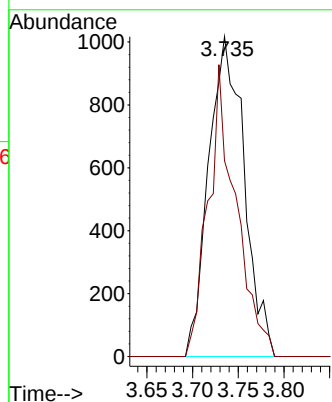
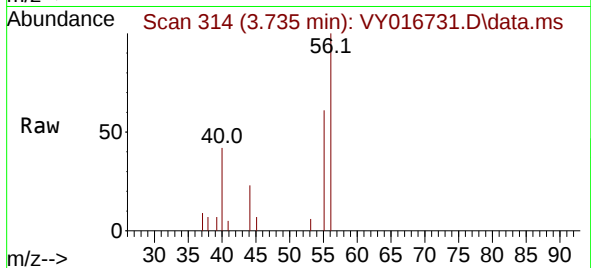




#13
Acrolein
Concen: 31.007 ug/l
RT: 3.735 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

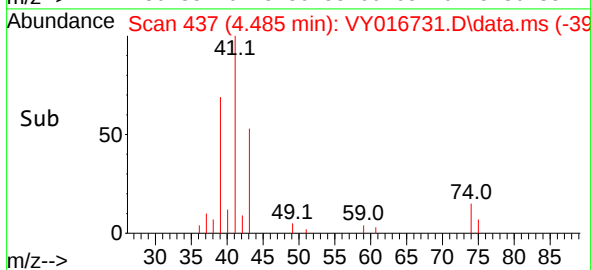
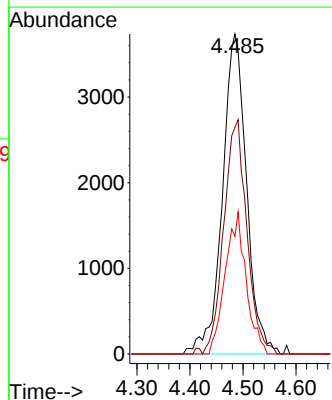
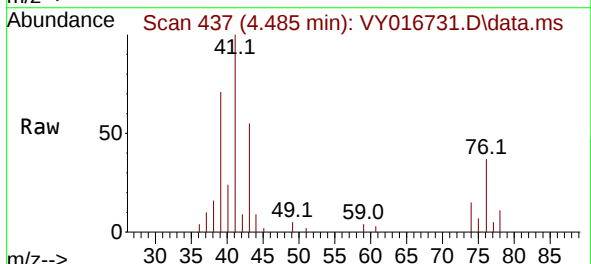
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

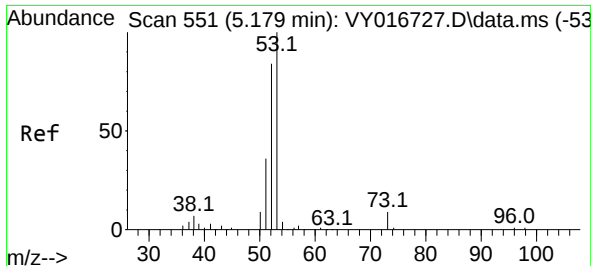
Tgt Ion: 56 Resp: 2746
Ion Ratio Lower Upper
56 100
55 71.0 55.4 83.0



#14
Allyl chloride
Concen: 4.657 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 41 Resp: 11803
Ion Ratio Lower Upper
41 100
39 70.0 54.7 82.1
76 38.4 31.8 47.6

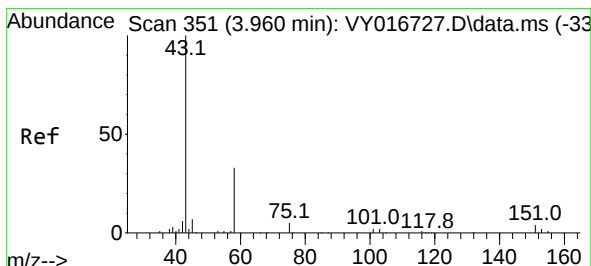
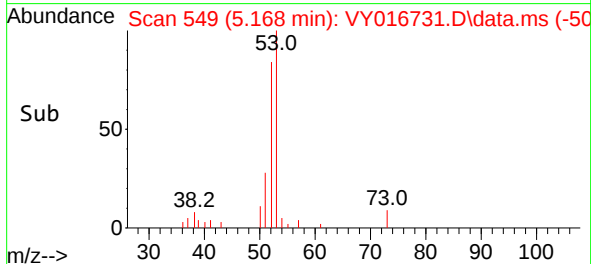
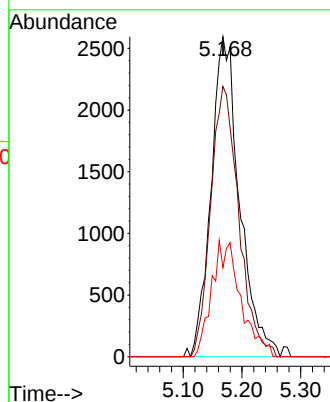
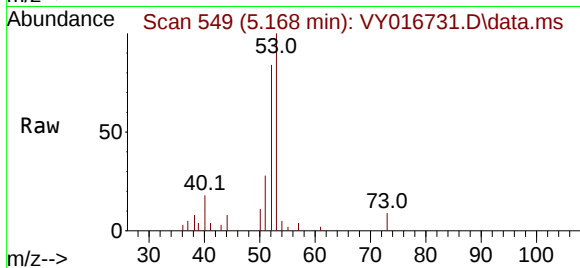




#15
Acrylonitrile
Concen: 21.367 ug/l
RT: 5.168 min Scan# 549
Delta R.T. -0.011 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

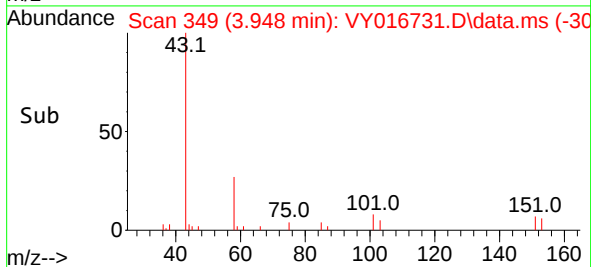
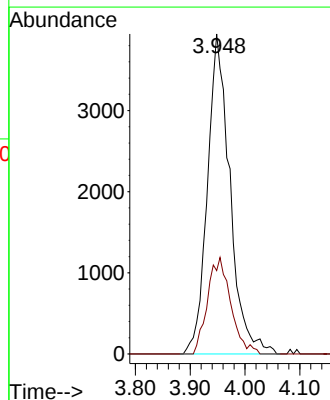
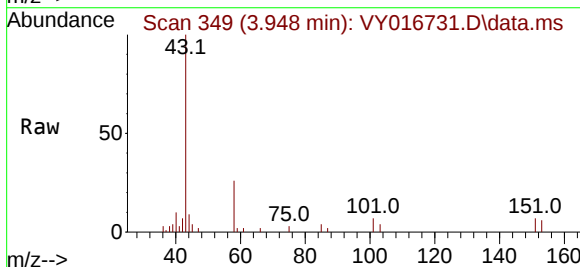
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

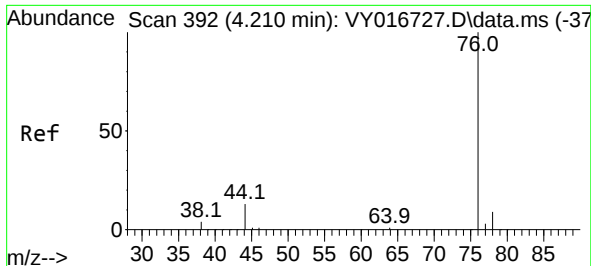
Tgt Ion: 53	Resp:	8770	
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.1	97.7
51	36.7	29.0	43.4



#16
Acetone
Concen: 25.993 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 43	Resp:	11247	
Ion	Ratio	Lower	Upper
43	100		
58	26.0	26.6	39.8#

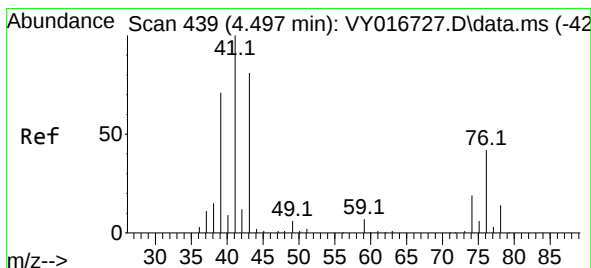
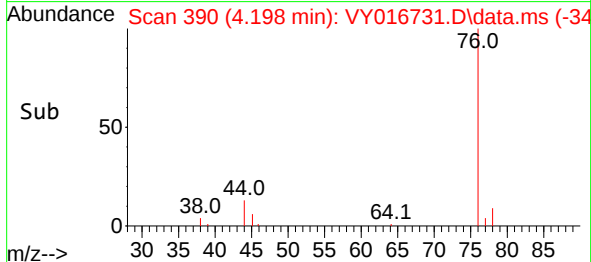
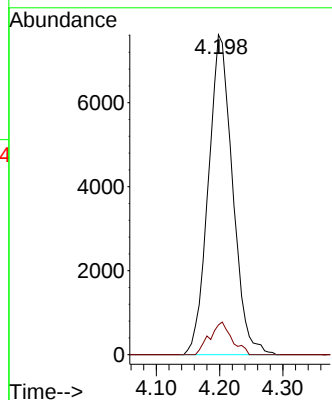
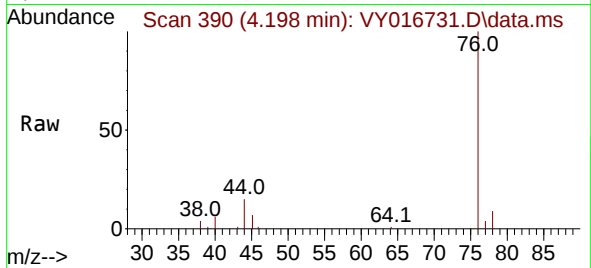




#17
Carbon Disulfide
Concen: 4.507 ug/l
RT: 4.198 min Scan# 392
Delta R.T. -0.012 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

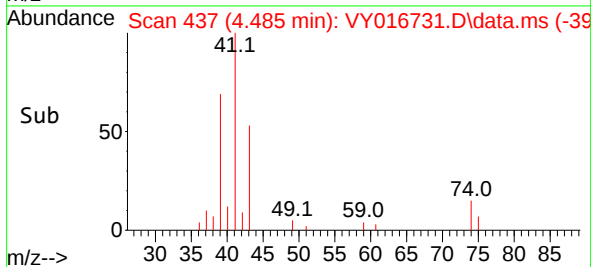
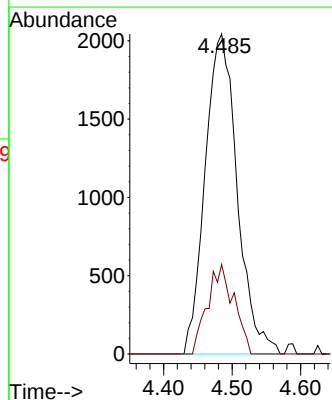
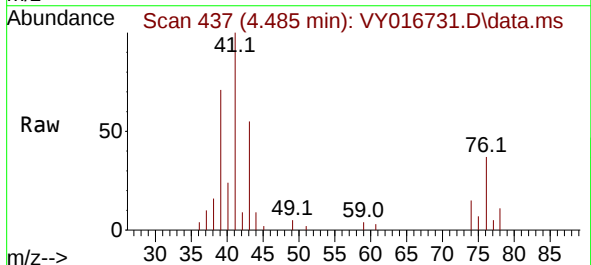
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

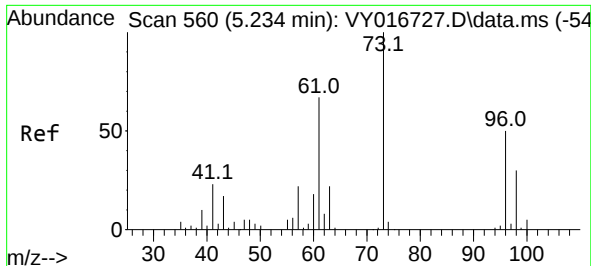
Tgt Ion: 76 Resp: 20295
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 3.934 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 43 Resp: 6652
Ion Ratio Lower Upper
43 100
74 23.0 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 3.981 ug/l

RT: 5.228 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

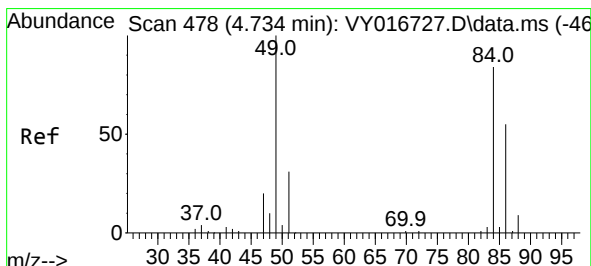
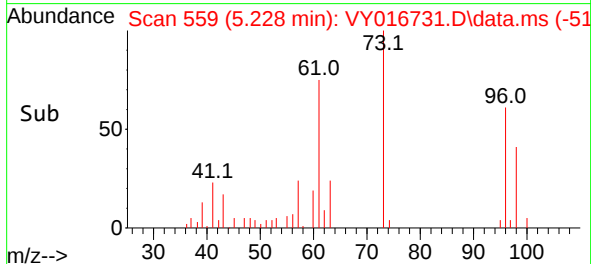
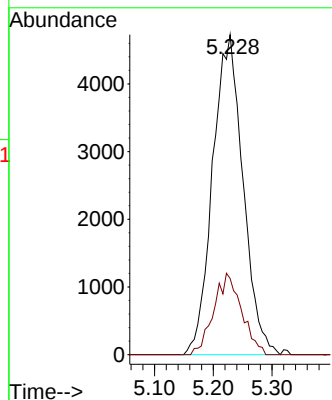
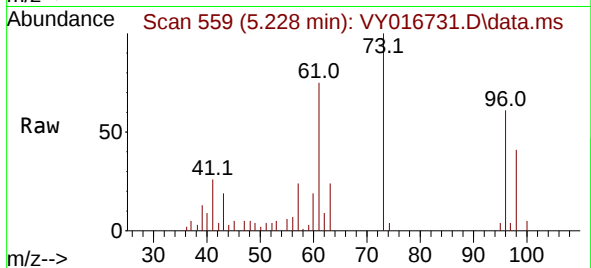
VSTDIC005

Tgt Ion: 73 Resp: 16952

Ion Ratio Lower Upper

73 100

57 23.8 17.7 26.5



#20

Methylene Chloride

Concen: 6.189 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.012 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Tgt Ion: 84 Resp: 19738

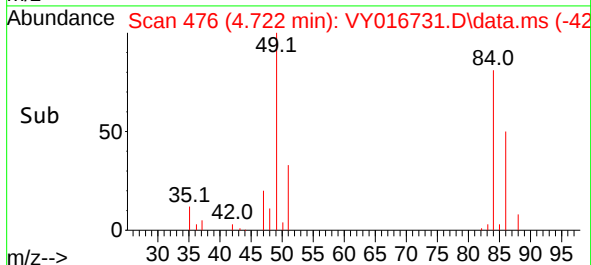
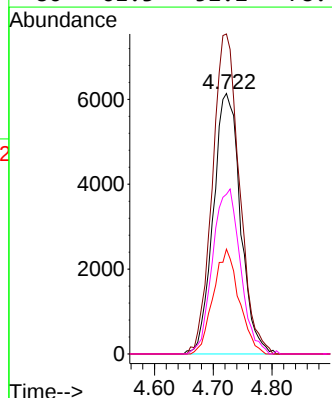
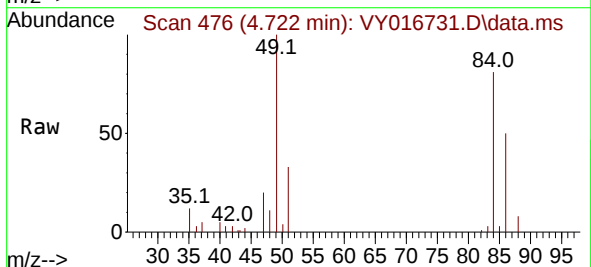
Ion Ratio Lower Upper

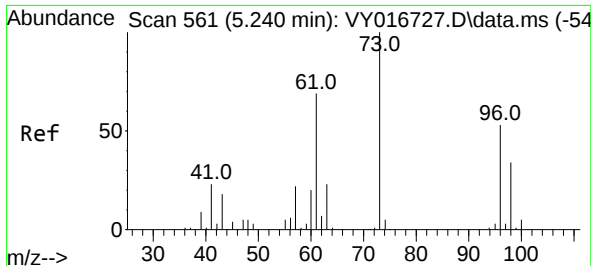
84 100

49 122.9 95.2 142.8

51 40.2 29.9 44.9

86 61.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 4.721 ug/l

RT: 5.222 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

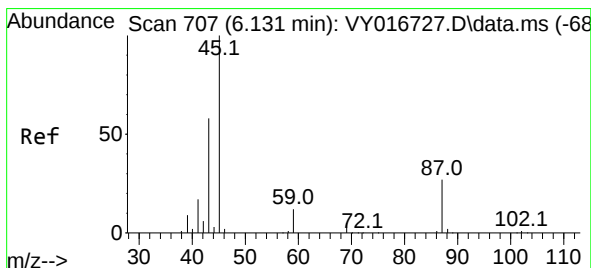
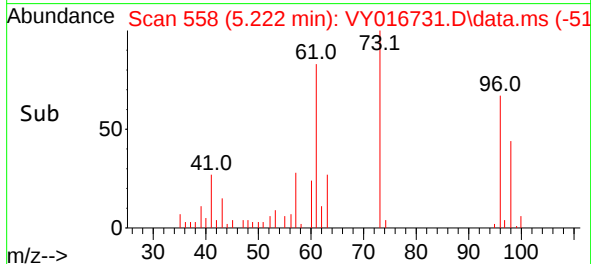
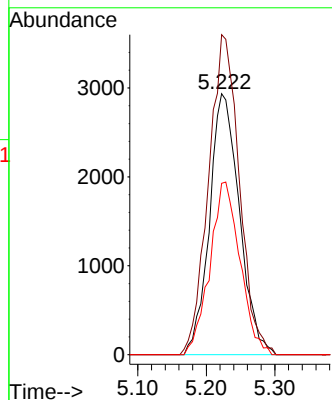
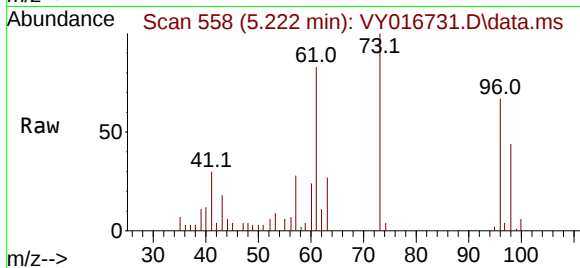
Tgt Ion: 96 Resp: 8909

Ion Ratio Lower Upper

96 100

61 122.6 104.6 156.8

98 65.7 50.9 76.3



#22

Diisopropyl ether

Concen: 4.251 ug/l

RT: 6.119 min Scan# 705

Delta R.T. -0.012 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Tgt Ion: 45 Resp: 24376

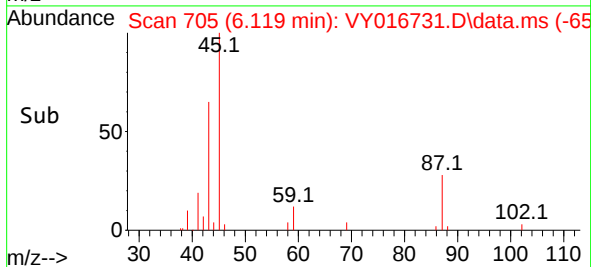
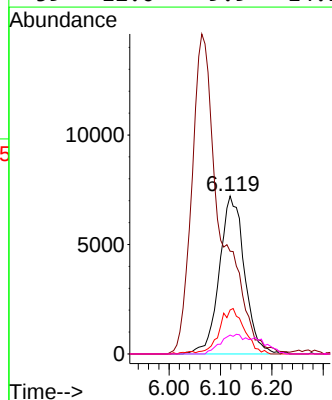
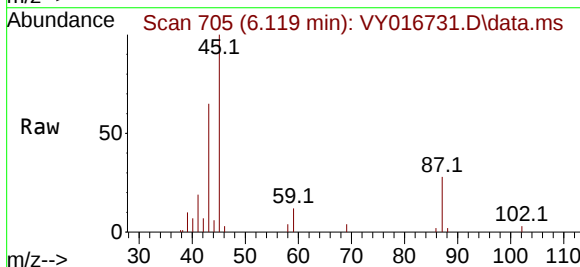
Ion Ratio Lower Upper

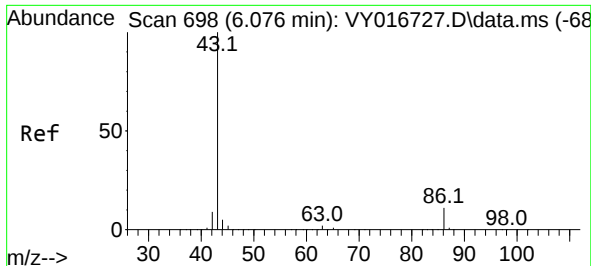
45 100

43 63.4 46.8 70.2

87 27.8 22.2 33.2

59 12.0 9.9 14.9

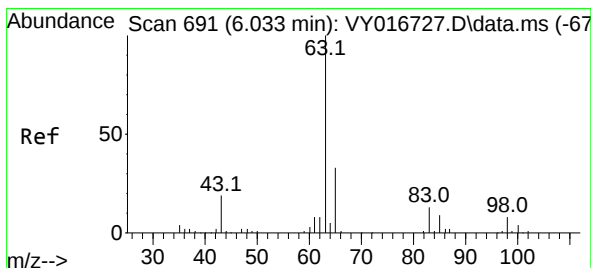
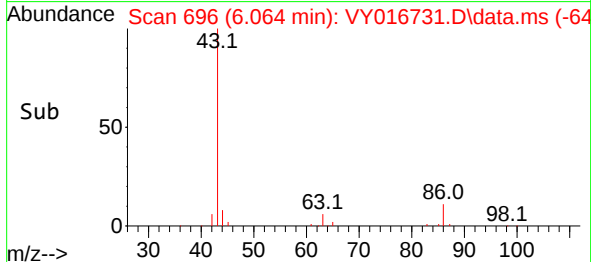
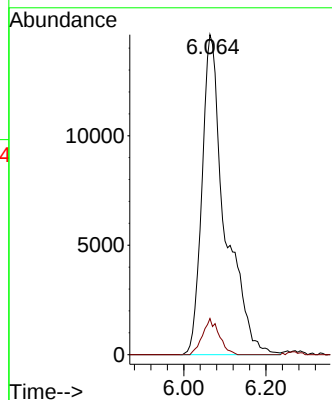
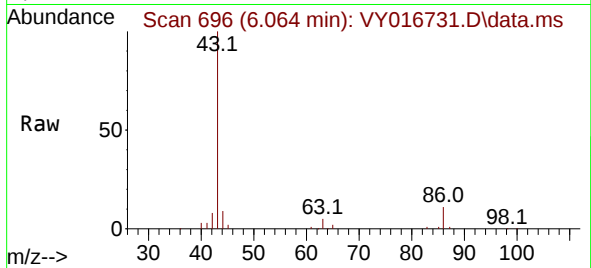




#23
 Vinyl Acetate
 Concen: 20.976 ug/l
 RT: 6.064 min Scan# 696
 Delta R.T. -0.012 min
 Lab File: VY016731.D
 Acq: 20 Dec 2023 18:10

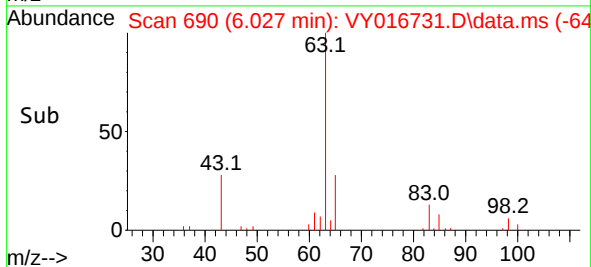
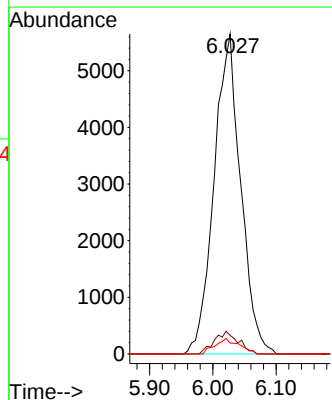
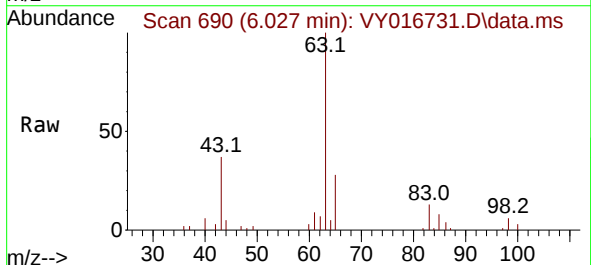
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

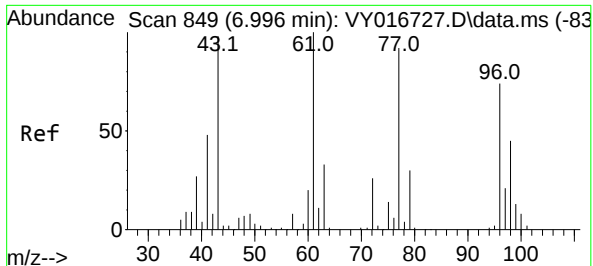
Tgt Ion: 43 Resp: 56888
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 4.795 ug/l
 RT: 6.027 min Scan# 690
 Delta R.T. -0.006 min
 Lab File: VY016731.D
 Acq: 20 Dec 2023 18:10

Tgt Ion: 63 Resp: 16516
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.8 11.4
 100 3.4 2.1 6.2





#25

2-Butanone

Concen: 22.118 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

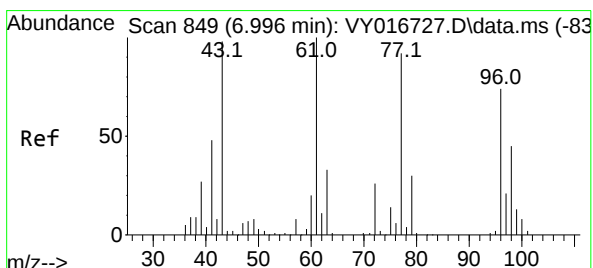
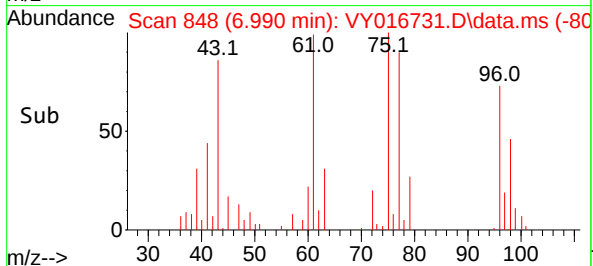
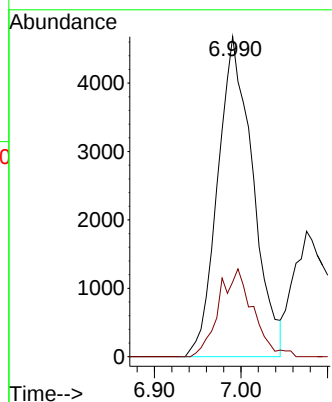
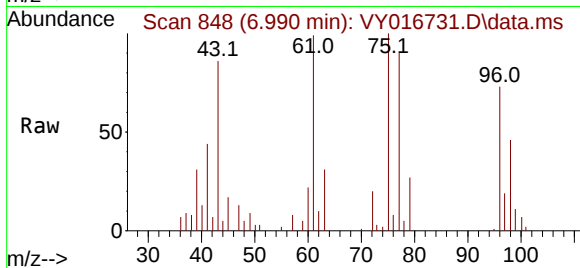
VSTDIC005

Tgt Ion: 43 Resp: 13177

Ion Ratio Lower Upper

43 100

72 23.3 21.4 32.2



#26

2,2-Dichloropropane

Concen: 5.021 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY016731.D

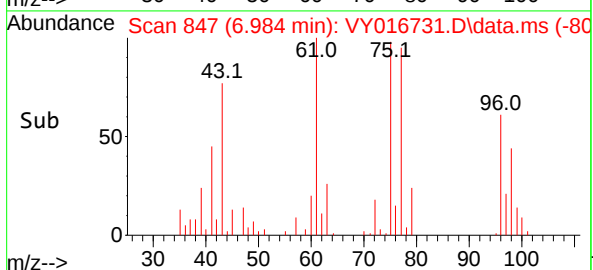
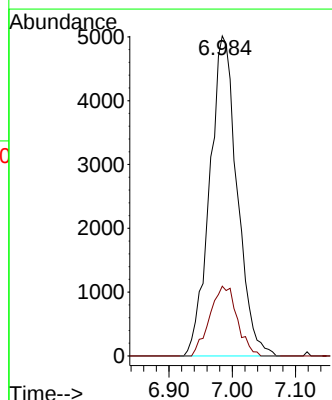
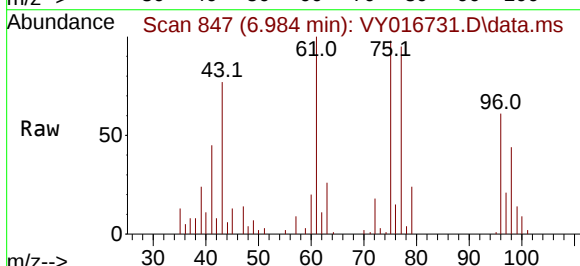
Acq: 20 Dec 2023 18:10

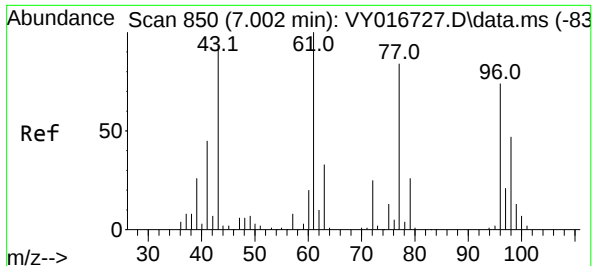
Tgt Ion: 77 Resp: 15093

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 4.596 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

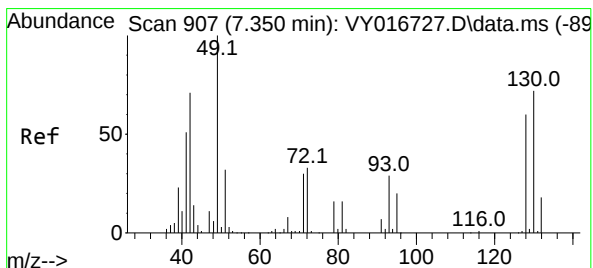
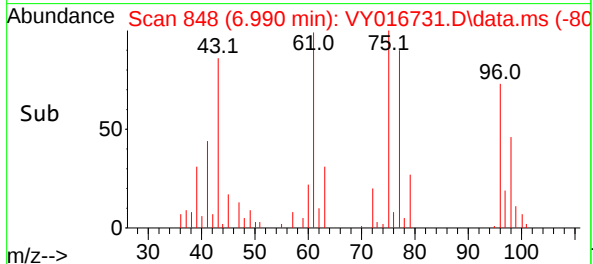
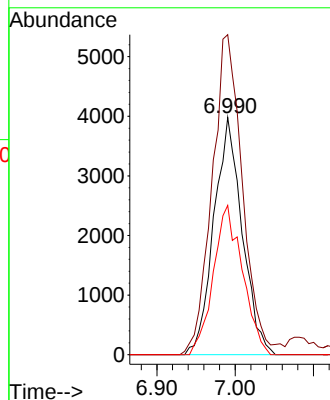
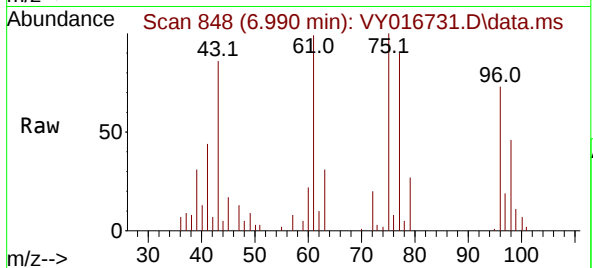
Tgt Ion: 96 Resp: 9982

Ion Ratio Lower Upper

96 100

61 144.5 0.0 278.8

98 65.0 0.0 127.0



#28

Bromochloromethane

Concen: 4.399 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.018 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

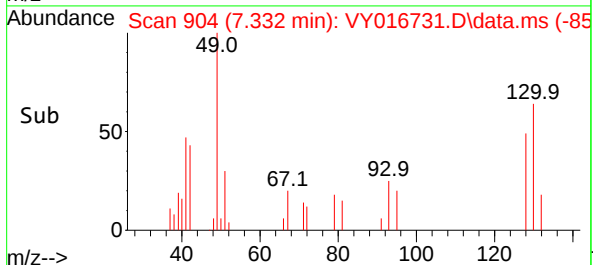
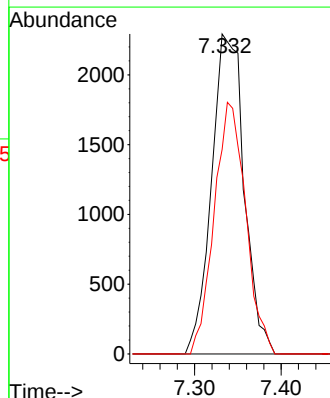
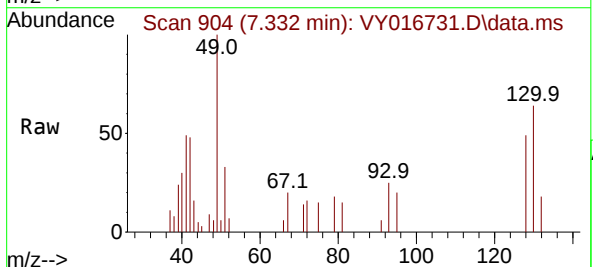
Tgt Ion: 49 Resp: 5998

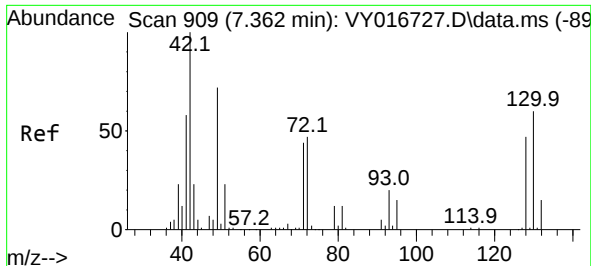
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 76.1 59.8 89.8





#29

Tetrahydrofuran

Concen: 19.536 ug/l

RT: 7.356 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

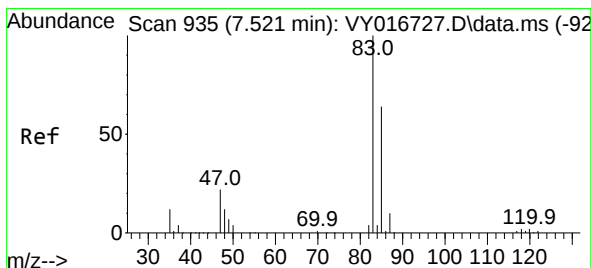
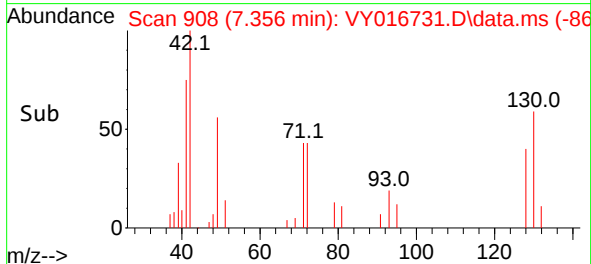
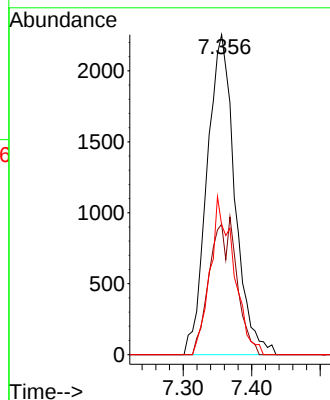
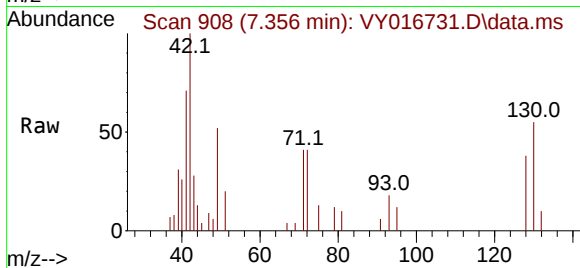
Tgt Ion: 42 Resp: 6364

Ion Ratio Lower Upper

42 100

72 41.5 36.6 54.8

71 42.2 33.8 50.6



#30

Chloroform

Concen: 4.835 ug/l

RT: 7.509 min Scan# 933

Delta R.T. -0.012 min

Lab File: VY016731.D

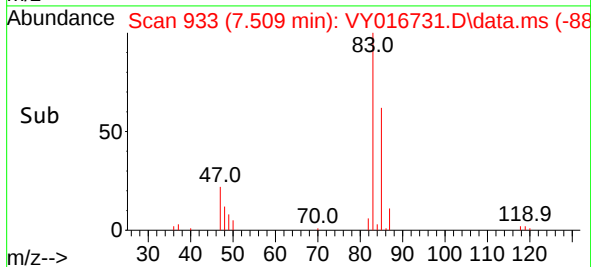
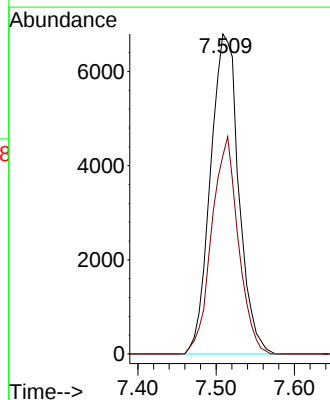
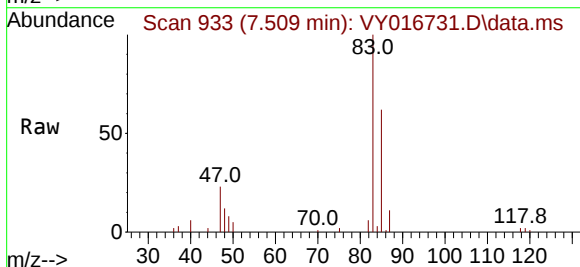
Acq: 20 Dec 2023 18:10

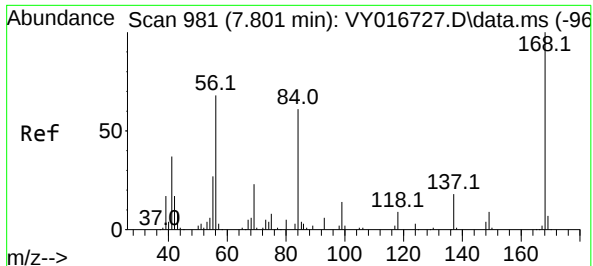
Tgt Ion: 83 Resp: 17050

Ion Ratio Lower Upper

83 100

85 62.0 51.2 76.8

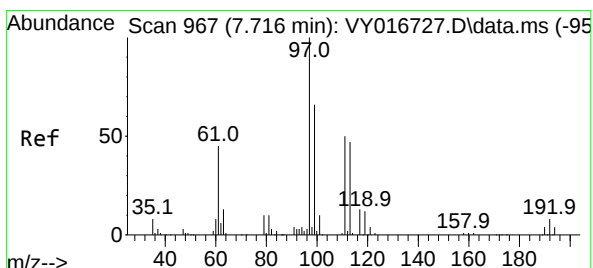
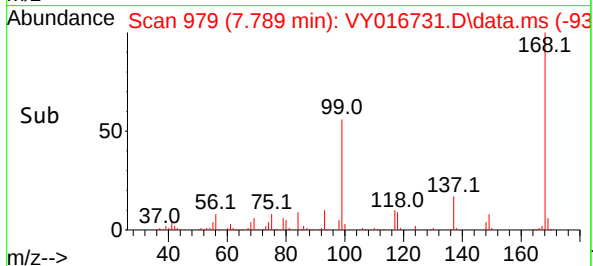
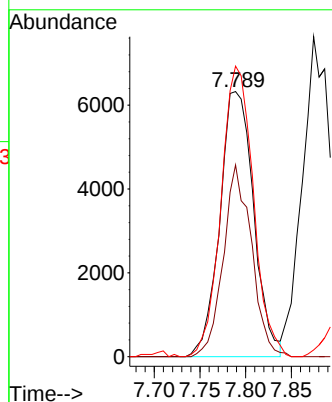
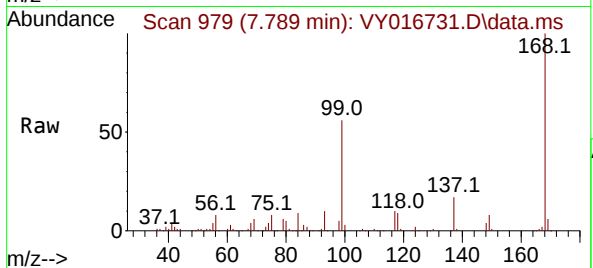




#31
Cyclohexane
Concen: 5.311 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

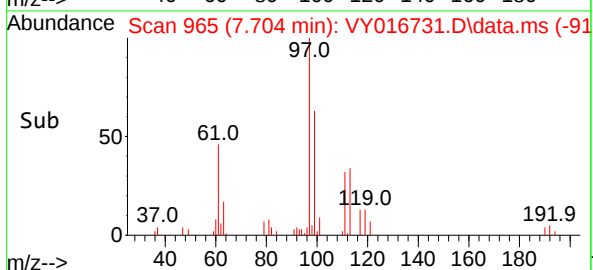
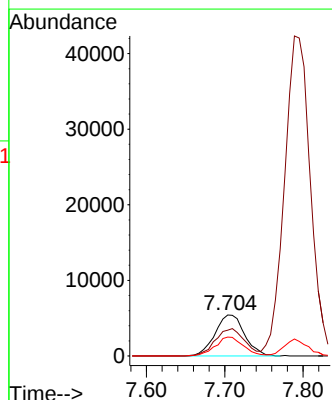
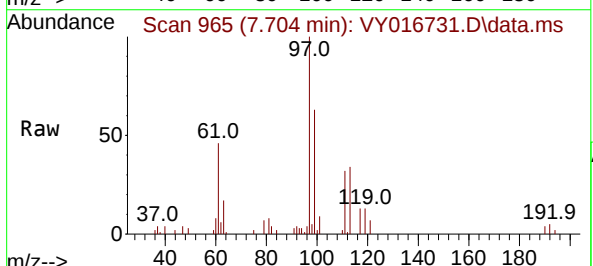
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

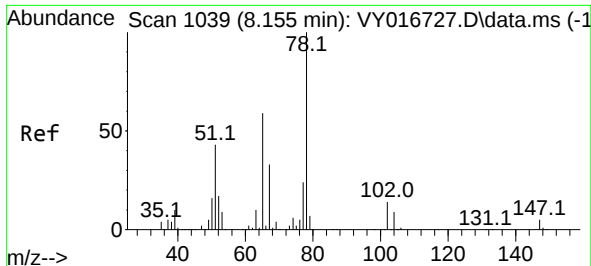
Tgt Ion: 56 Resp: 16283
Ion Ratio Lower Upper
56 100
69 72.3 27.0 40.6#
84 109.5 71.8 107.6#



#32
1,1,1-Trichloroethane
Concen: 4.589 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.012 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 97 Resp: 14204
Ion Ratio Lower Upper
97 100
99 66.8 51.2 76.8
61 43.8 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 4.756 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

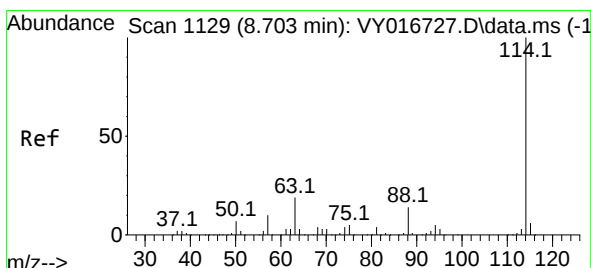
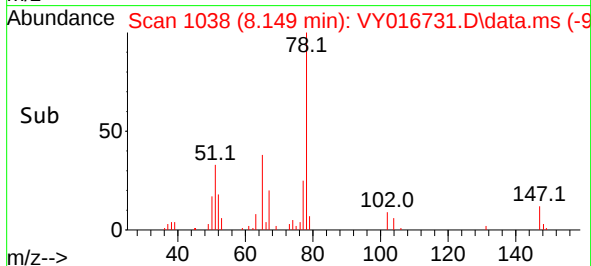
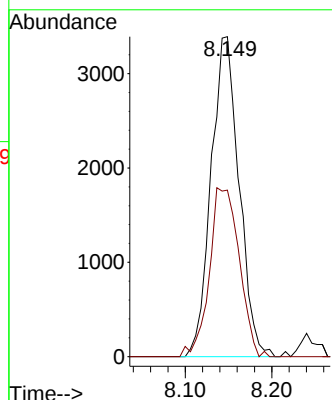
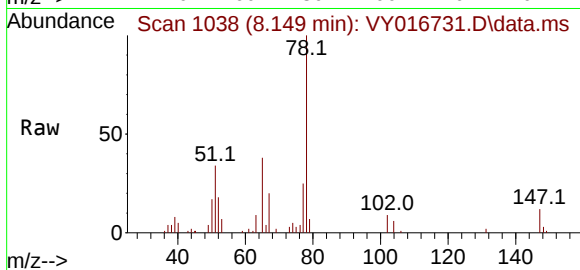
VSTDIC005

Tgt Ion: 65 Resp: 7610

Ion Ratio Lower Upper

65 100

67 56.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

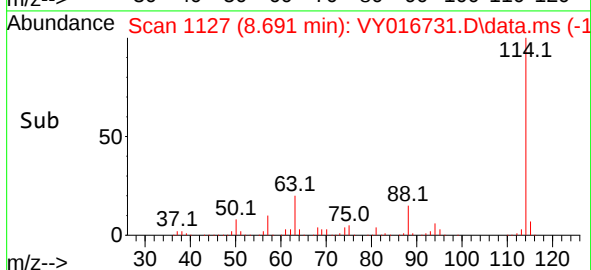
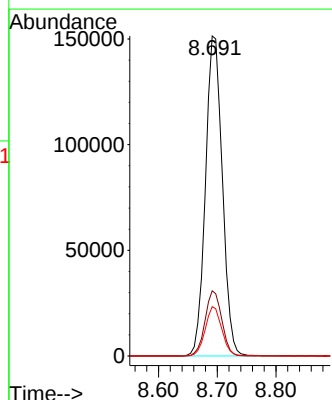
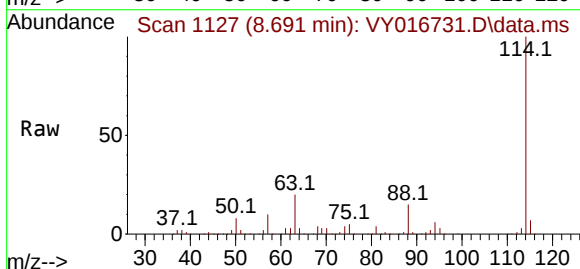
Tgt Ion: 114 Resp: 302581

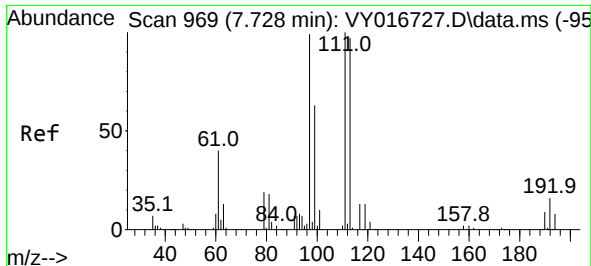
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.4 0.0 29.0

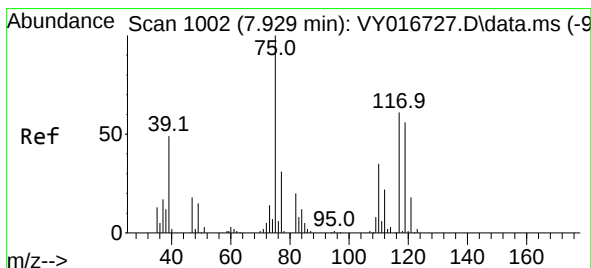
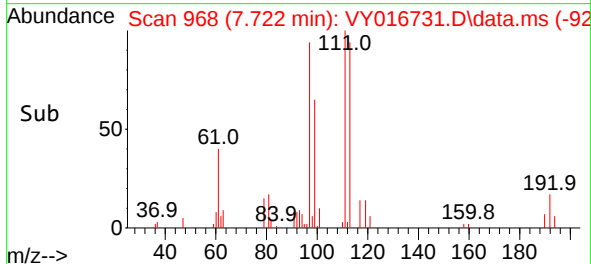
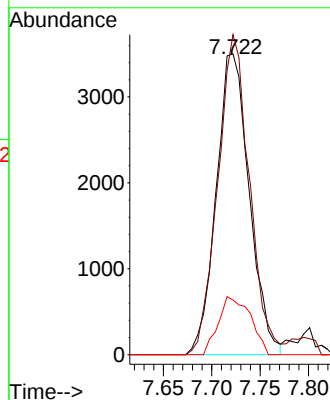
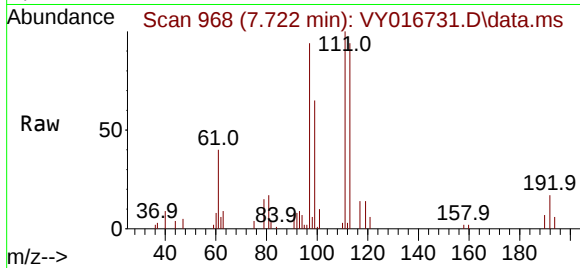




#35
Dibromofluoromethane
Concen: 4.803 ug/l
RT: 7.722 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

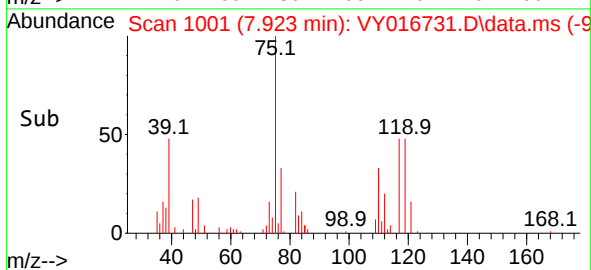
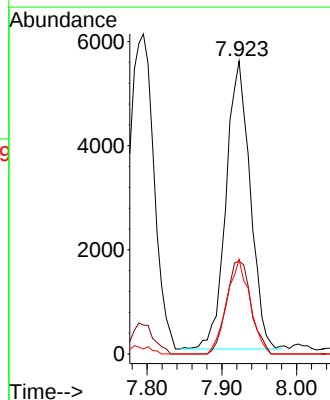
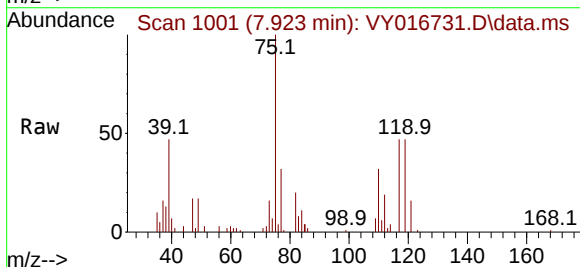
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

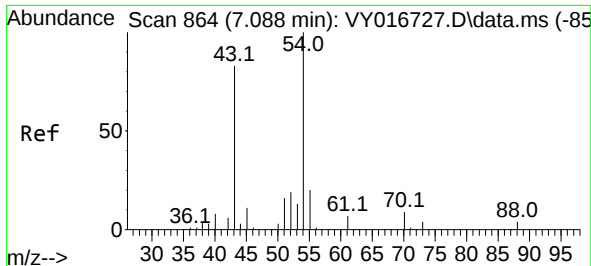
Tgt Ion:113 Resp: 8324
Ion Ratio Lower Upper
113 100
111 101.5 83.8 125.6
192 18.7 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.474 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 75 Resp: 12433
Ion Ratio Lower Upper
75 100
110 32.9 17.4 52.3
77 31.4 24.7 37.1





#37

Ethyl Acetate

Concen: 3.824 ug/l

RT: 7.076 min Scan# 80

Delta R.T. -0.012 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

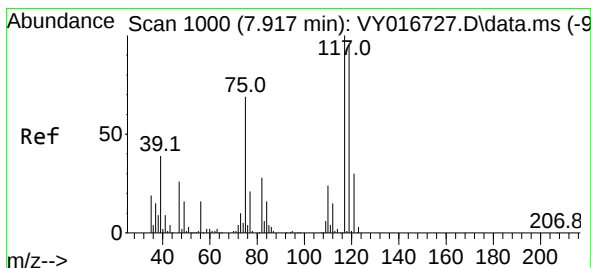
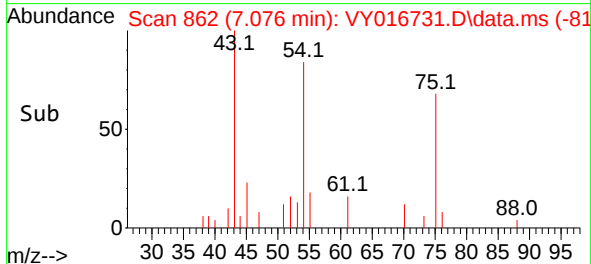
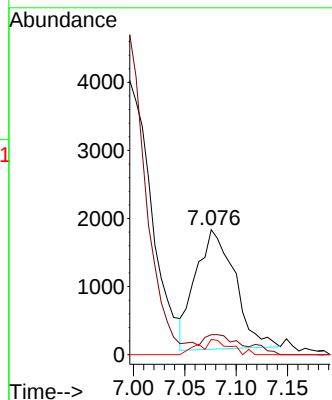
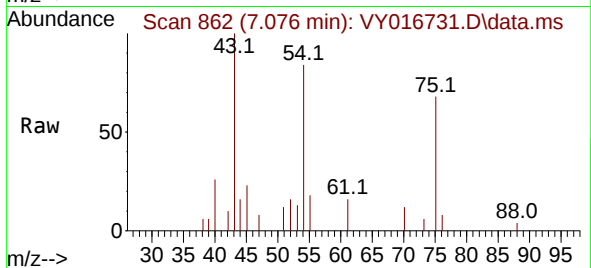
Tgt Ion: 43 Resp: 4651

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 10.1 8.1 12.1



#38

Carbon Tetrachloride

Concen: 4.516 ug/l

RT: 7.911 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

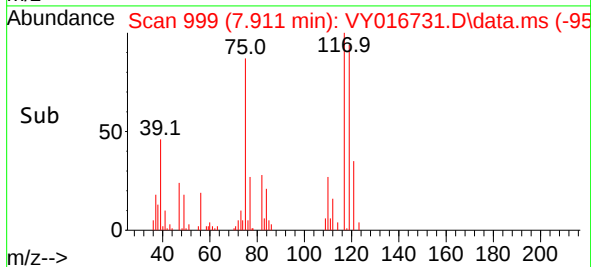
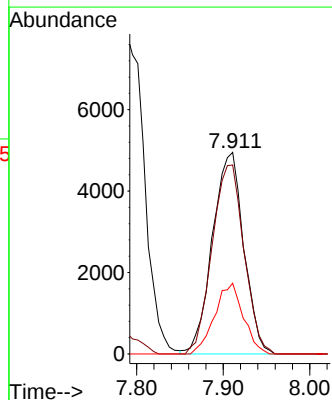
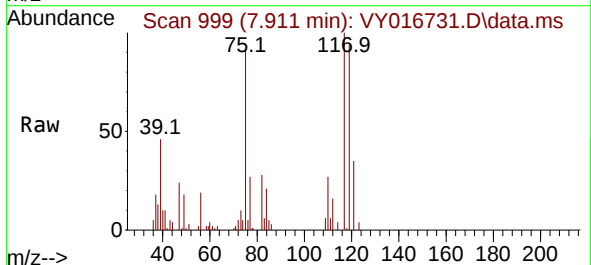
Tgt Ion: 117 Resp: 12417

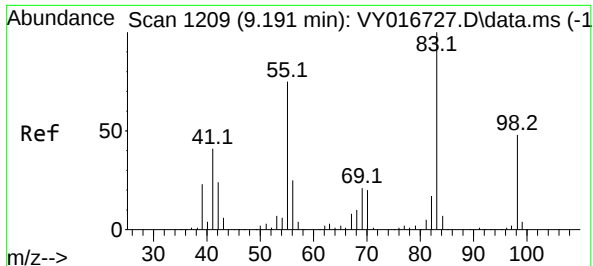
Ion Ratio Lower Upper

117 100

119 93.7 76.0 114.0

121 35.1 24.2 36.2





#39

Methylcyclohexane

Concen: 4.189 ug/l

RT: 9.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

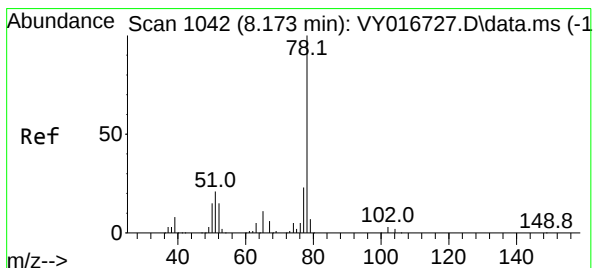
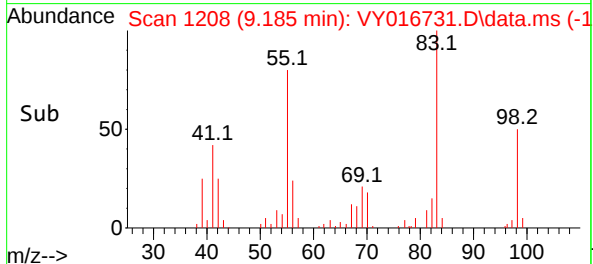
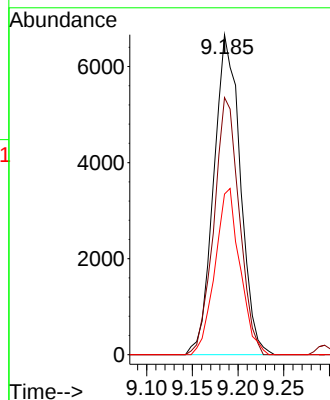
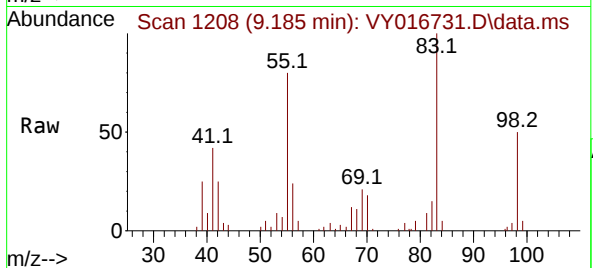
Tgt Ion: 83 Resp: 13439

Ion Ratio Lower Upper

83 100

55 80.4 59.7 89.5

98 50.2 38.0 57.0



#40

Benzene

Concen: 4.434 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY016731.D

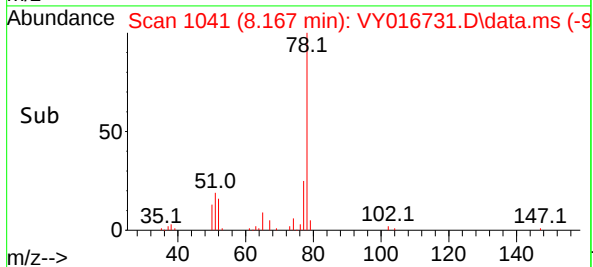
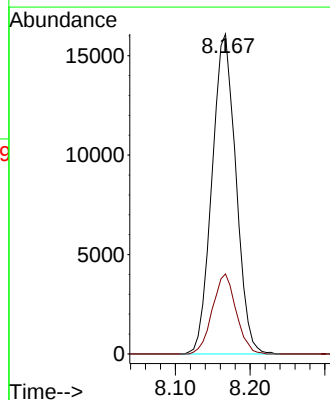
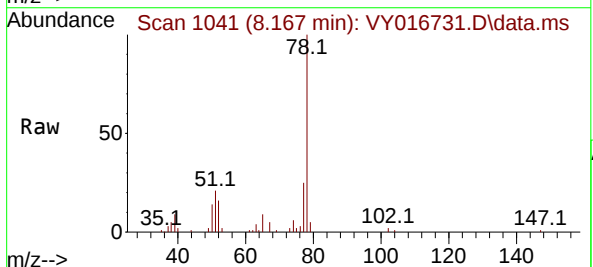
Acq: 20 Dec 2023 18:10

Tgt Ion: 78 Resp: 35856

Ion Ratio Lower Upper

78 100

77 25.0 18.8 28.2

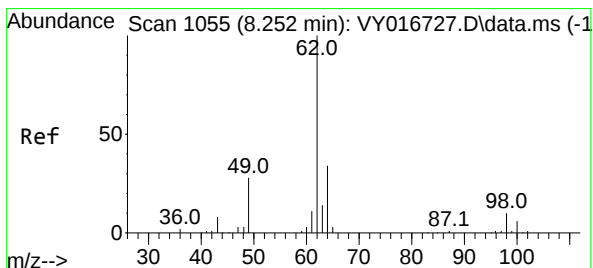
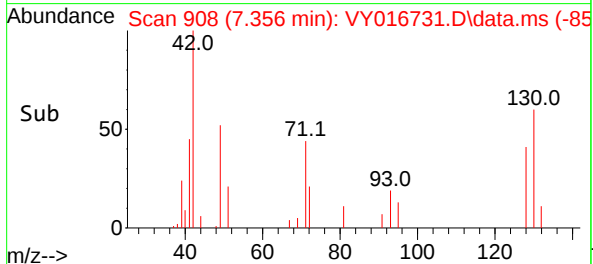
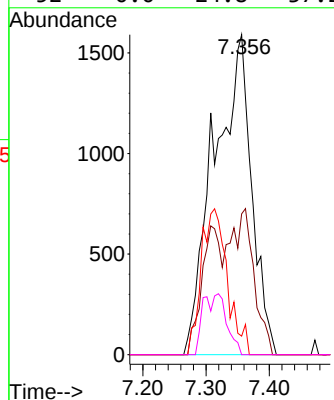
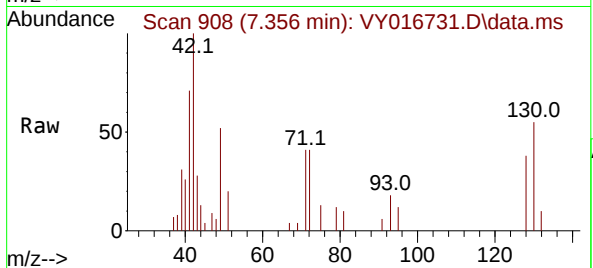




#41
Methacrylonitrile
Concen: 10.289 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.037 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

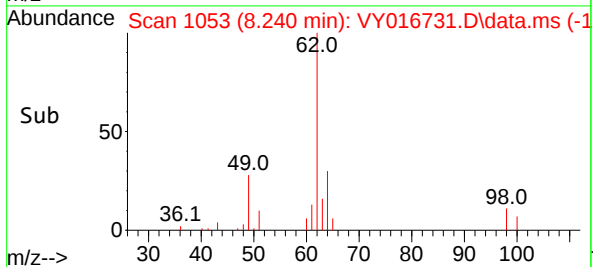
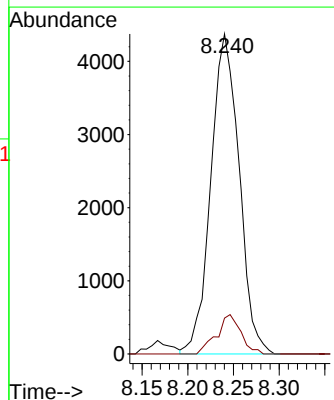
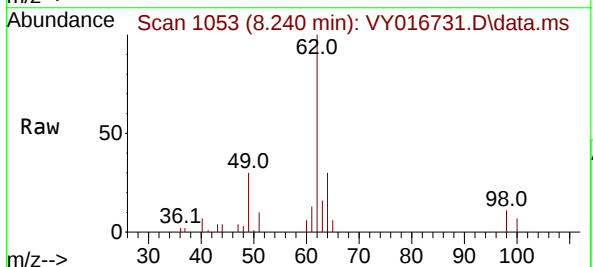
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

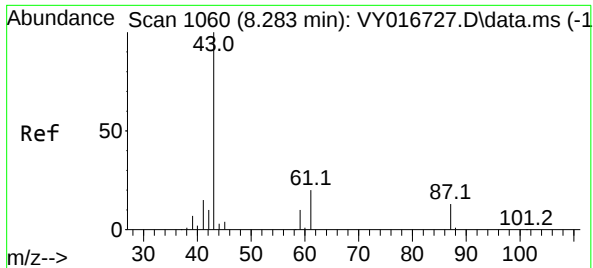
Tgt Ion:	41	Resp:	6506
Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.9	62.9#
67	0.0	59.8	89.6#
52	0.0	24.8	37.2#



#42
1,2-Dichloroethane
Concen: 4.466 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. -0.012 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion:	62	Resp:	9422
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2





#43

Isopropyl Acetate

Concen: 3.970 ug/l

RT: 8.277 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

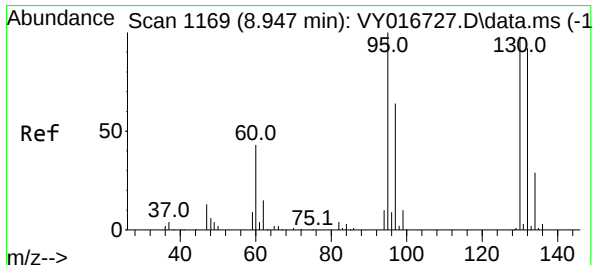
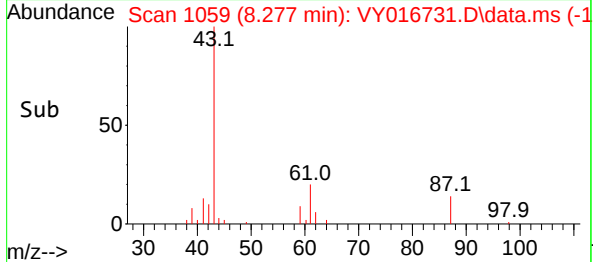
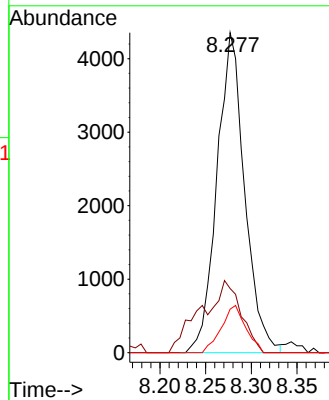
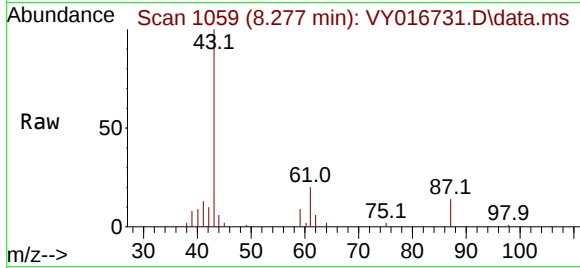
Tgt Ion: 43 Resp: 9184

Ion Ratio Lower Upper

43 100

61 20.7 24.8 37.2#

87 13.0 10.7 16.1



#44

Trichloroethene

Concen: 4.586 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. -0.006 min

Lab File: VY016731.D

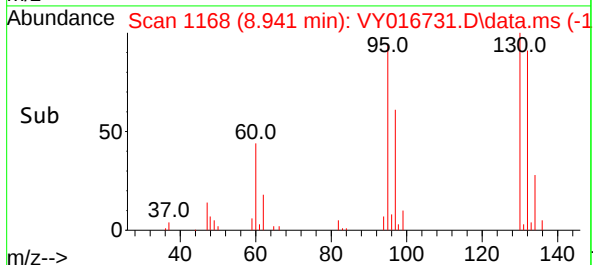
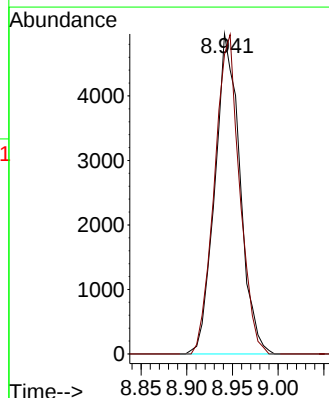
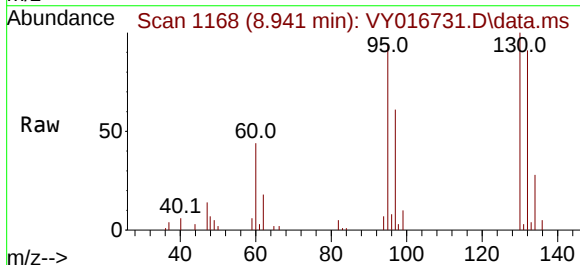
Acq: 20 Dec 2023 18:10

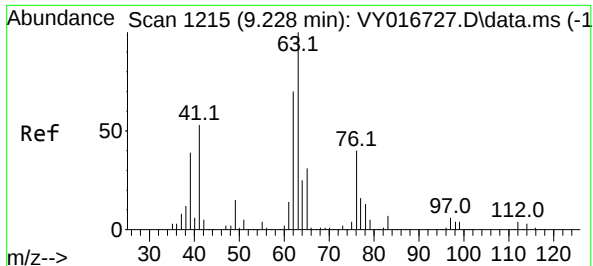
Tgt Ion:130 Resp: 9464

Ion Ratio Lower Upper

130 100

95 93.6 0.0 203.8





#45

1,2-Dichloropropane

Concen: 4.472 ug/l

RT: 9.222 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

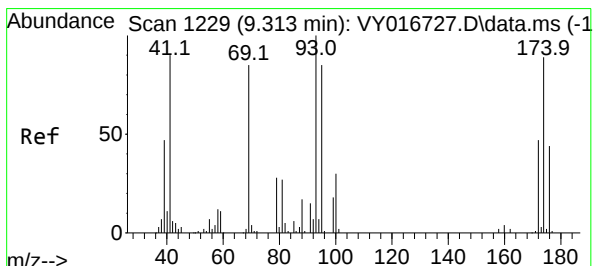
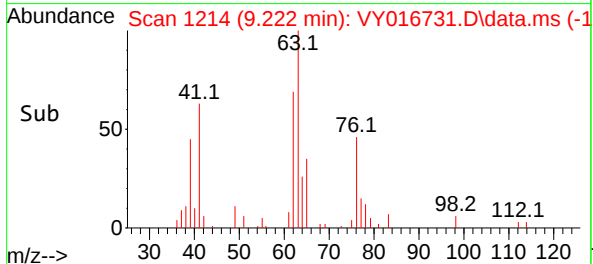
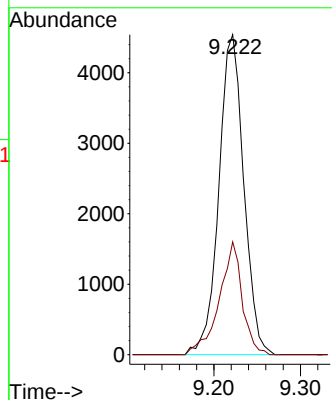
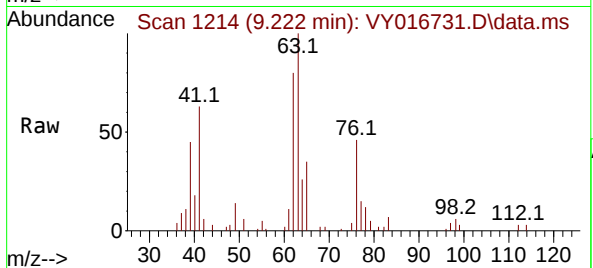
VSTDIC005

Tgt Ion: 63 Resp: 9070

Ion Ratio Lower Upper

63 100

65 35.3 24.6 36.8



#46

Dibromomethane

Concen: 4.396 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

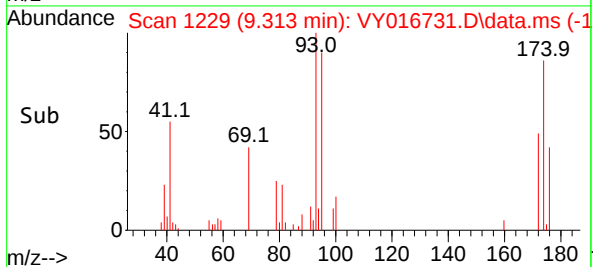
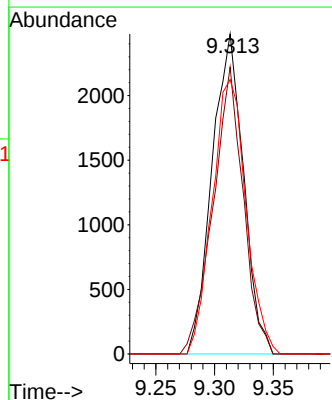
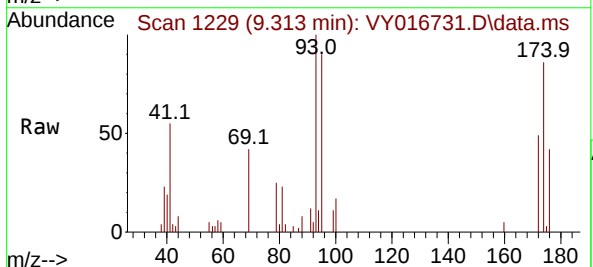
Tgt Ion: 93 Resp: 4606

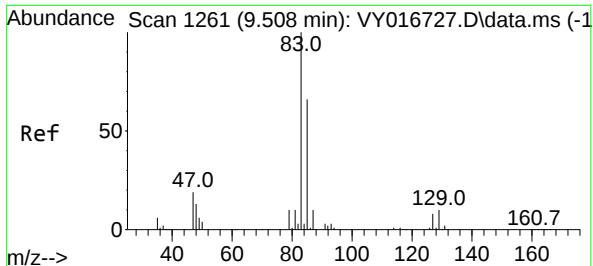
Ion Ratio Lower Upper

93 100

95 85.6 66.6 99.8

174 92.1 73.8 110.6

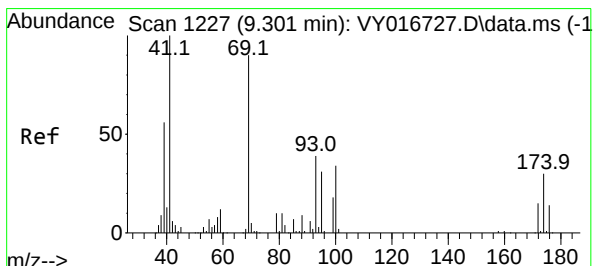
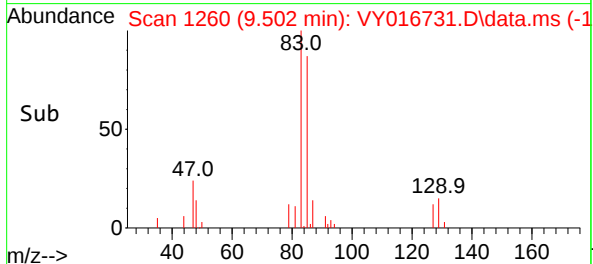
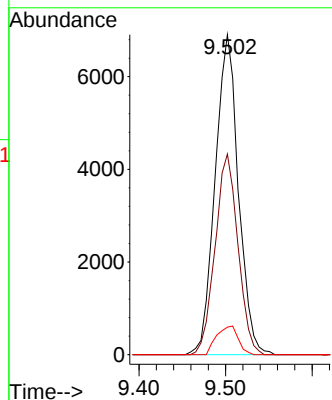
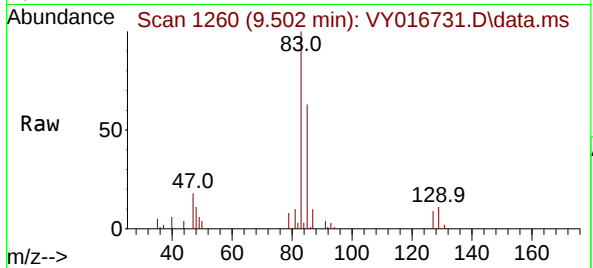




#47
Bromodichloromethane
Concen: 4.662 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

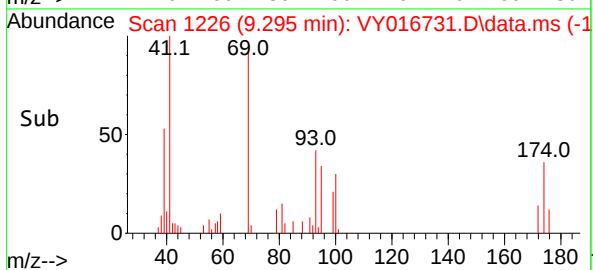
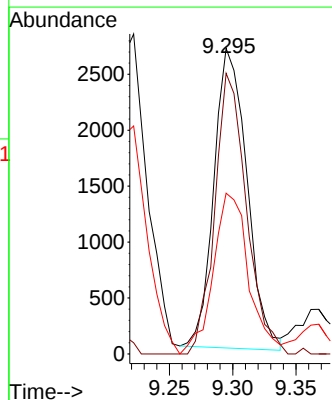
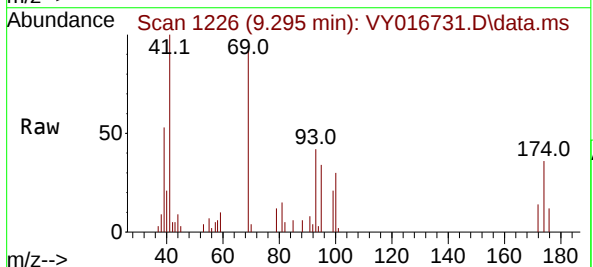
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

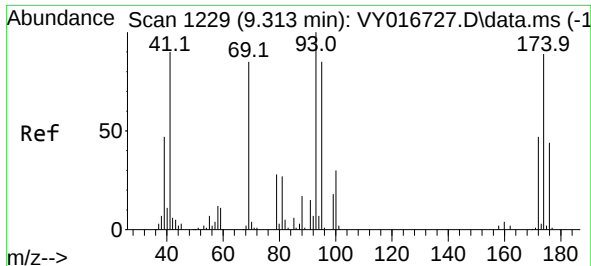
Tgt Ion: 83 Resp: 12877
Ion Ratio Lower Upper
83 100
85 62.7 53.2 79.8
127 8.6 6.4 9.6



#48
Methyl methacrylate
Concen: 3.747 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 41 Resp: 4861
Ion Ratio Lower Upper
41 100
69 89.9 72.1 108.1
39 57.2 42.8 64.2





#49

1,4-Dioxane

Concen: 53.095 ug/l

RT: 9.301 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

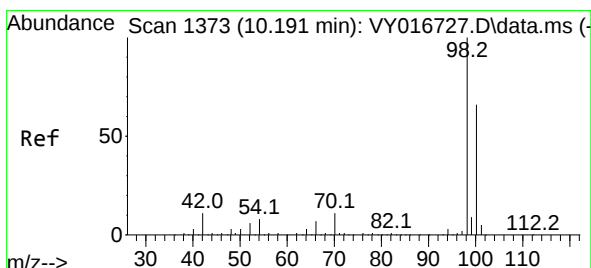
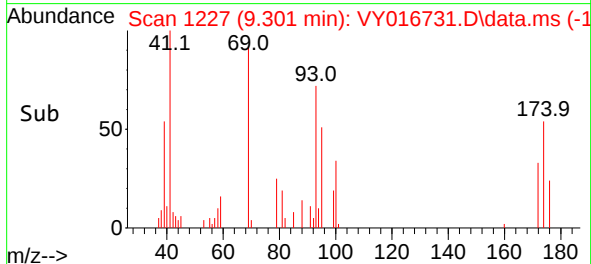
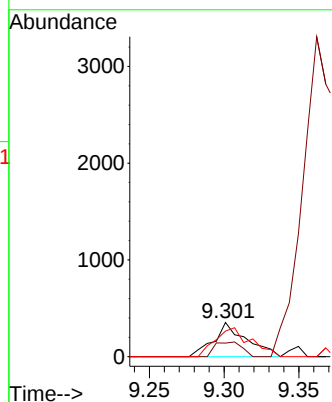
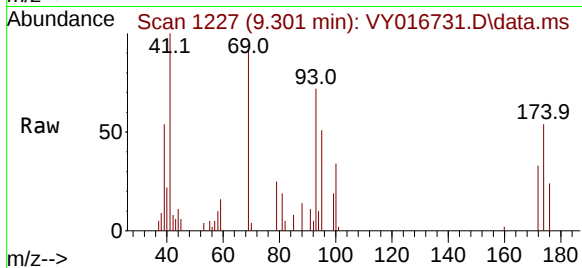
Tgt Ion: 88 Resp: 540

Ion Ratio Lower Upper

88 100

43 35.2 28.2 42.4

58 90.7 52.2 78.2#



#50

Toluene-d8

Concen: 4.568 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016731.D

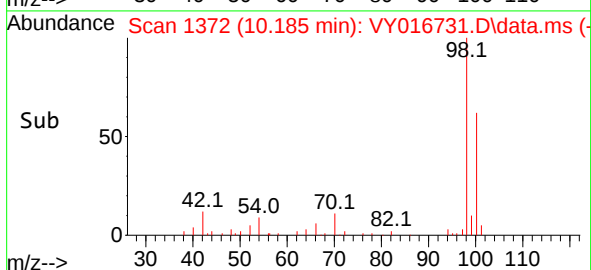
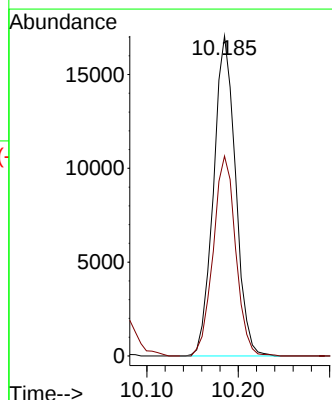
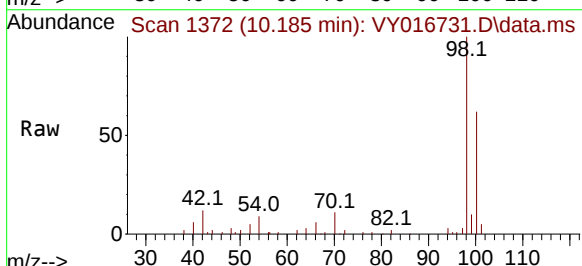
Acq: 20 Dec 2023 18:10

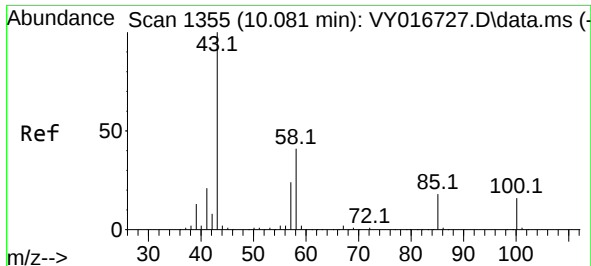
Tgt Ion: 98 Resp: 28539

Ion Ratio Lower Upper

98 100

100 63.7 52.3 78.5

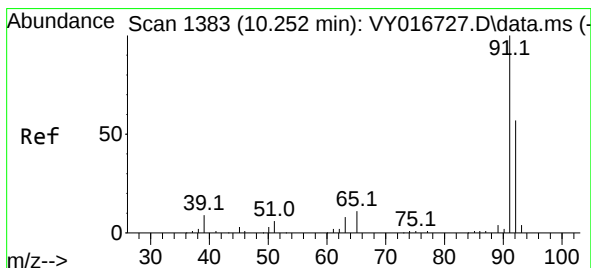
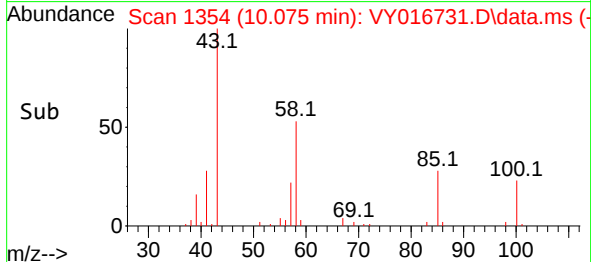
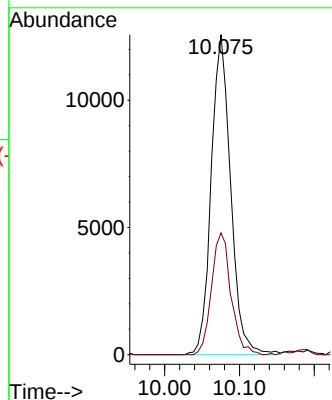
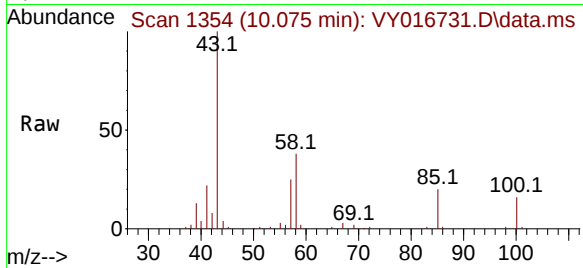




#51
4-Methyl-2-Pentanone
Concen: 18.489 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

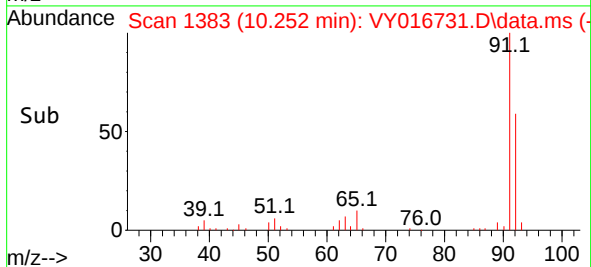
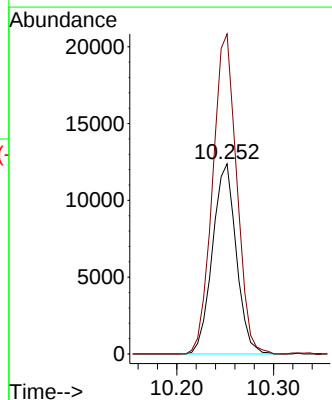
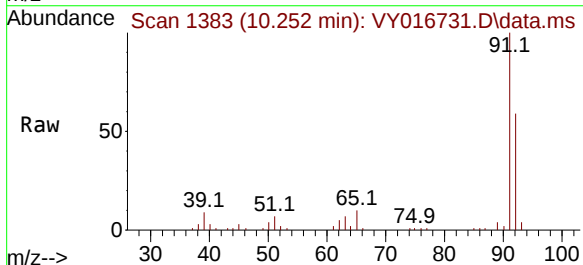
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

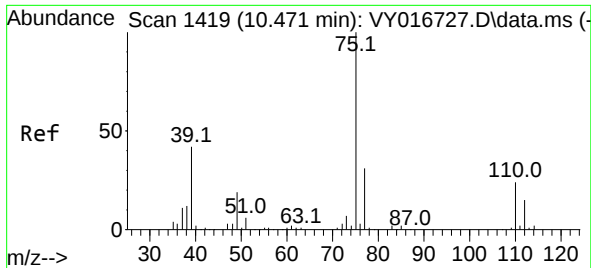
Tgt Ion: 43 Resp: 22788
Ion Ratio Lower Upper
43 100
58 38.0 32.2 48.2



#52
Toluene
Concen: 4.360 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 92 Resp: 21128
Ion Ratio Lower Upper
92 100
91 170.2 137.6 206.4

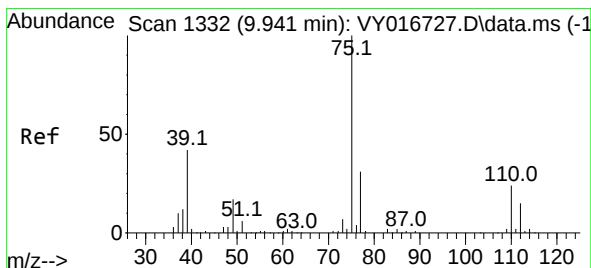
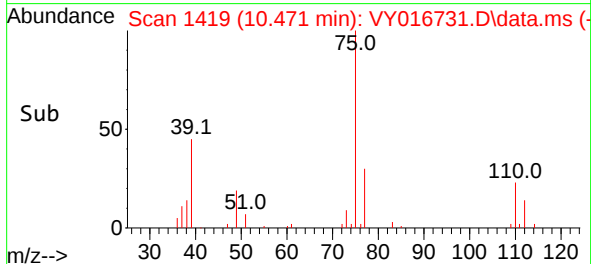
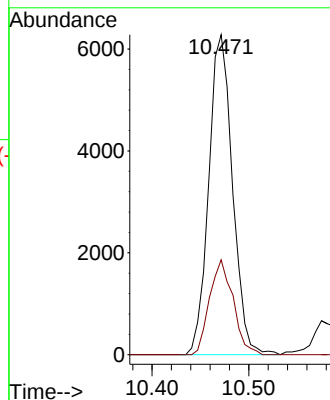
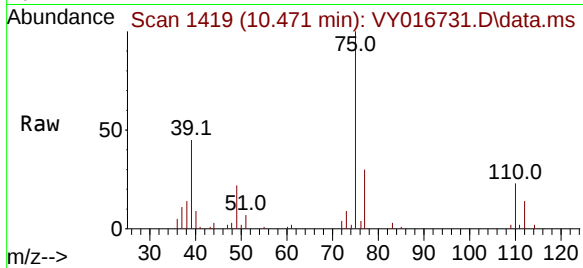




#53
 t-1,3-Dichloropropene
 Concen: 4.271 ug/l
 RT: 10.471 min Scan# 1419
 Delta R.T. 0.000 min
 Lab File: VY016731.D
 Acq: 20 Dec 2023 18:10

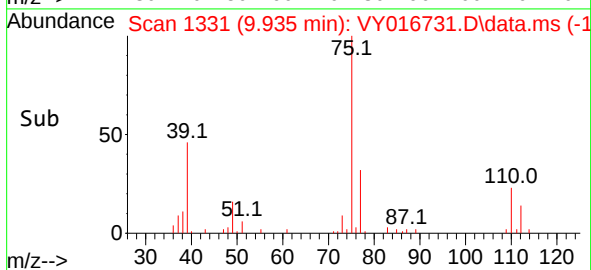
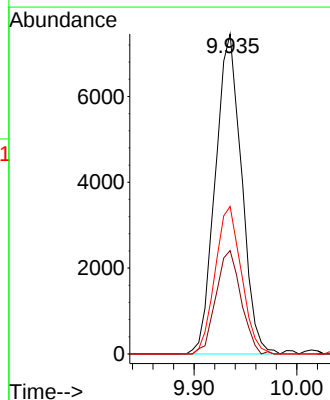
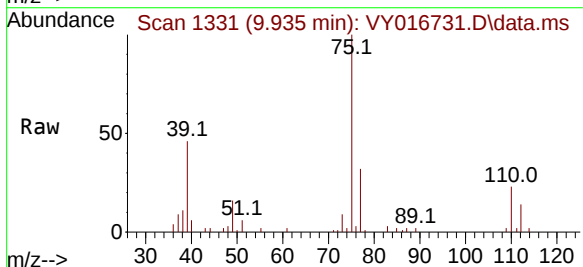
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

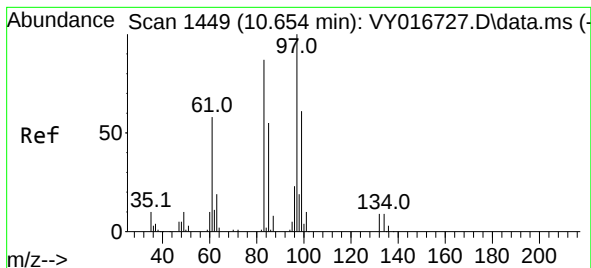
Tgt Ion: 75 Resp: 10755
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.345 ug/l
 RT: 9.935 min Scan# 1331
 Delta R.T. -0.006 min
 Lab File: VY016731.D
 Acq: 20 Dec 2023 18:10

Tgt Ion: 75 Resp: 13200
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.6 36.8
 39 46.1 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 4.401 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 6579

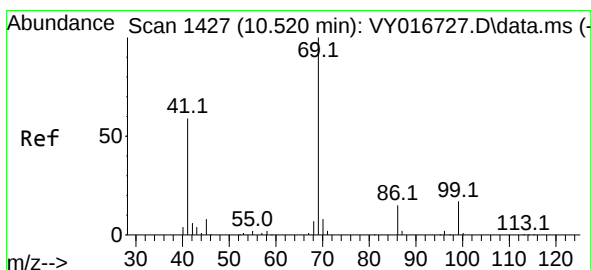
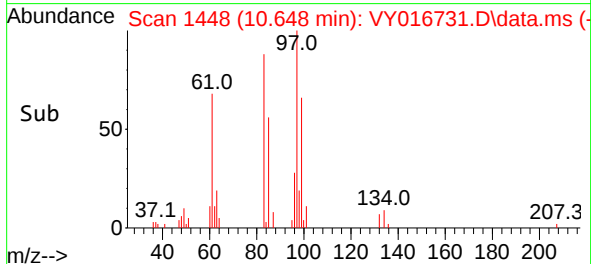
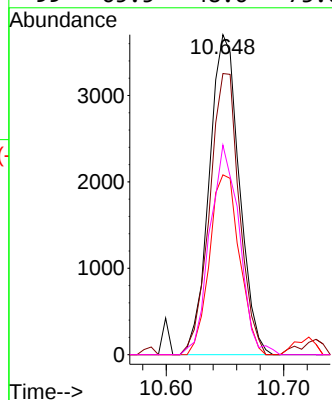
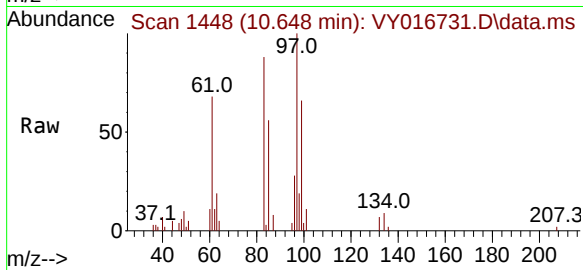
Ion Ratio Lower Upper

97 100

83 87.9 69.4 104.2

85 56.2 43.9 65.9

99 65.5 48.6 73.0



#56

Ethyl methacrylate

Concen: 3.543 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

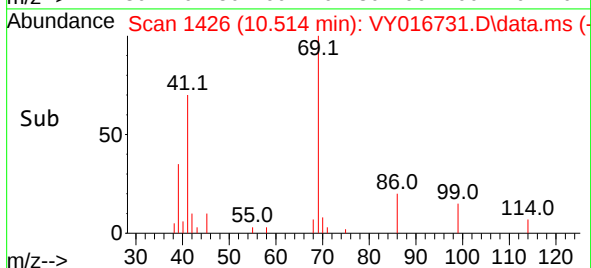
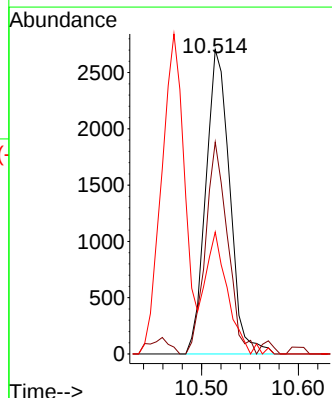
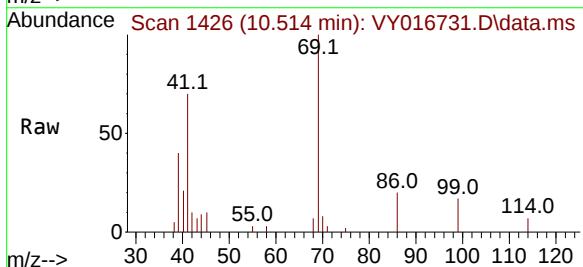
Tgt Ion: 69 Resp: 4658

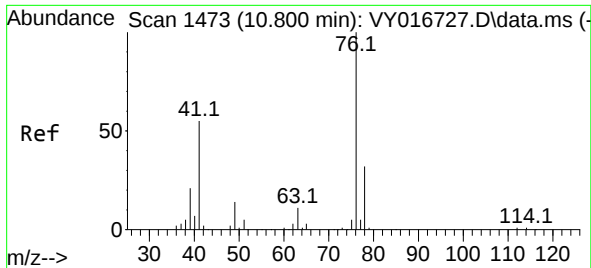
Ion Ratio Lower Upper

69 100

41 64.5 49.2 73.8

39 35.8 26.8 40.2





#57

1,3-Dichloropropane

Concen: 4.316 ug/l

RT: 10.795 min Scan# 1473

Delta R.T. -0.005 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

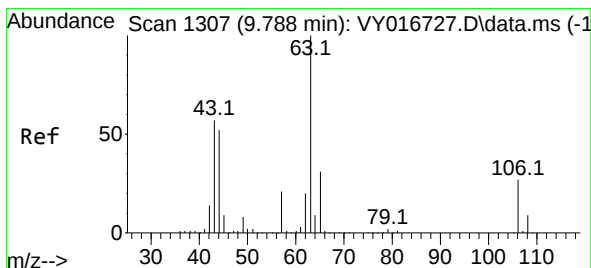
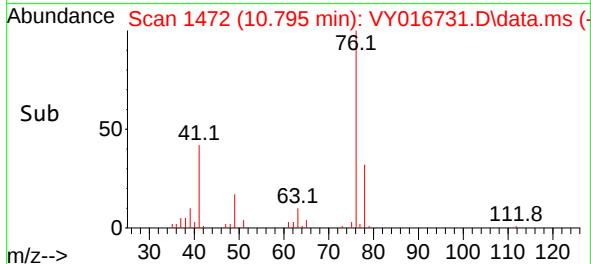
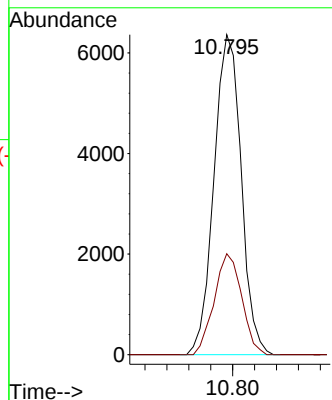
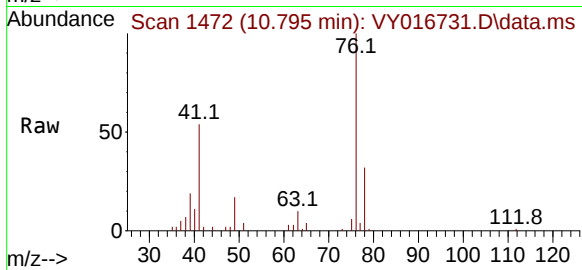
VSTDIC005

Tgt Ion: 76 Resp: 10960

Ion Ratio Lower Upper

76 100

78 31.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 38.165 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.001 min

Lab File: VY016731.D

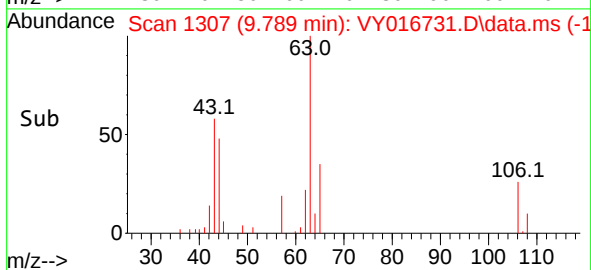
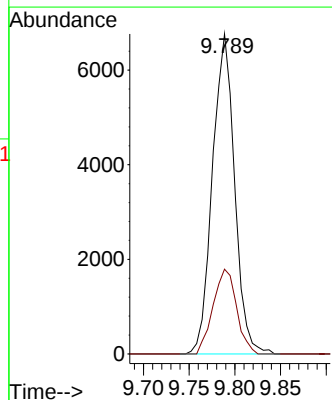
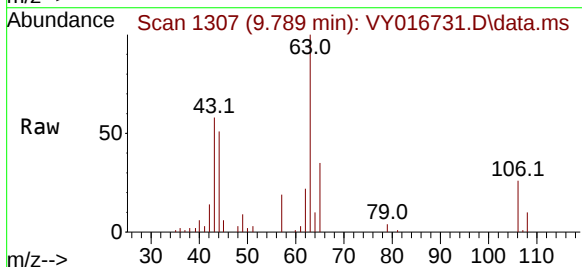
Acq: 20 Dec 2023 18:10

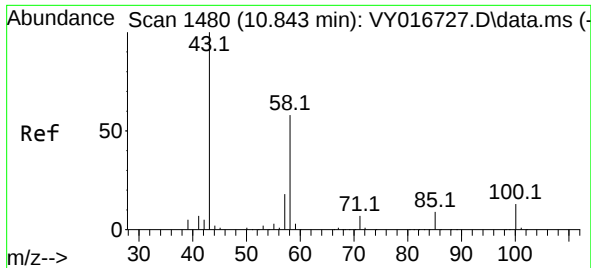
Tgt Ion: 63 Resp: 11379

Ion Ratio Lower Upper

63 100

106 28.1 22.4 33.6

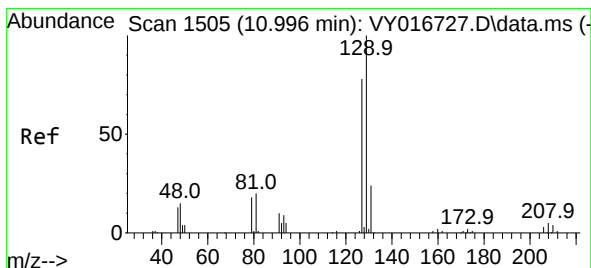
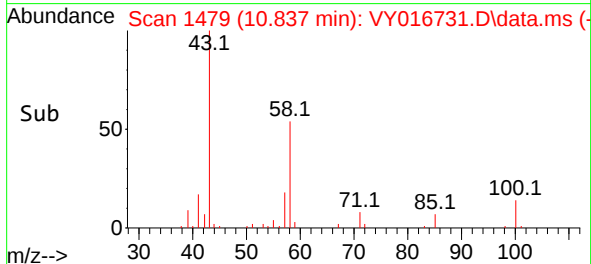
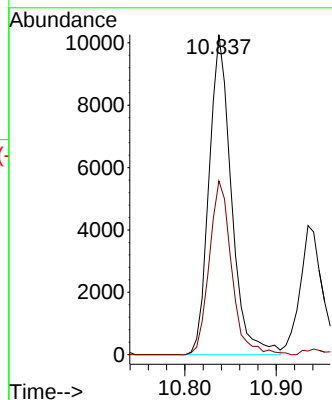
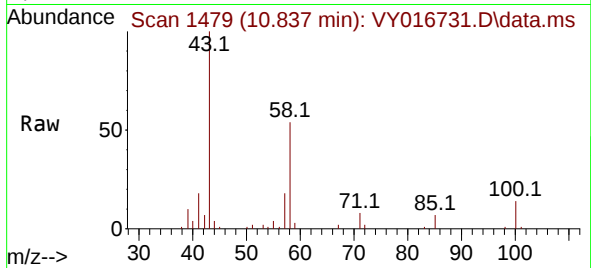




#59
2-Hexanone
Concen: 18.945 ug/l
RT: 10.837 min Scan# 1480
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

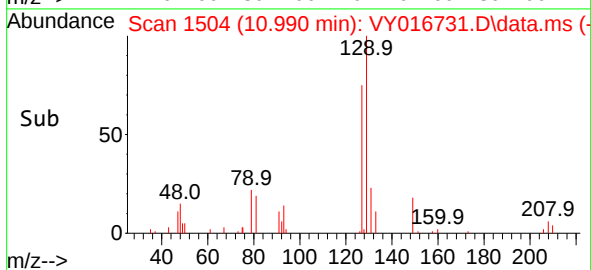
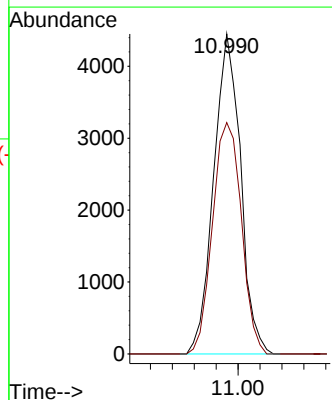
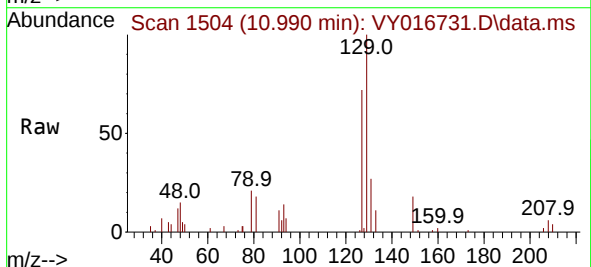
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

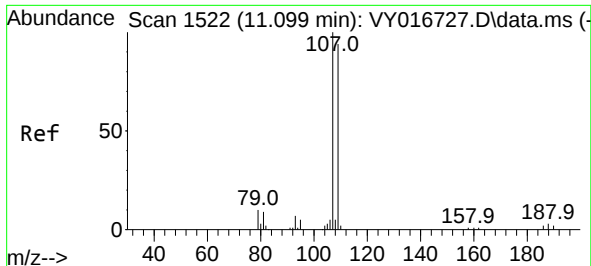
Tgt Ion: 43 Resp: 17411
Ion Ratio Lower Upper
43 100
58 54.2 28.1 84.3



#60
Dibromochloromethane
Concen: 4.381 ug/l
RT: 10.990 min Scan# 1504
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 129 Resp: 7576
Ion Ratio Lower Upper
129 100
127 77.6 39.2 117.6

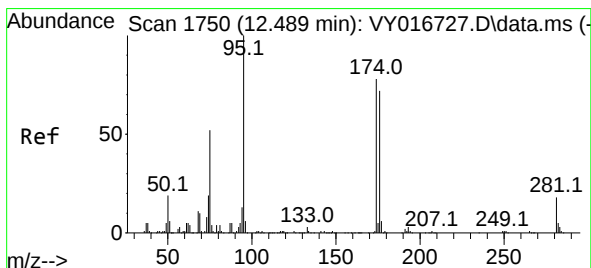
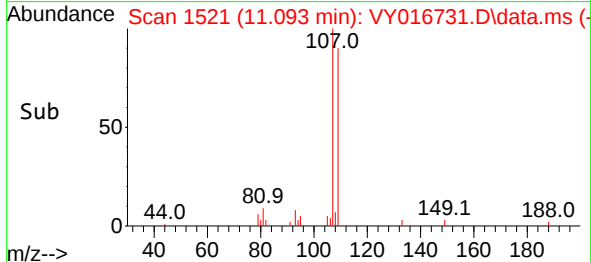
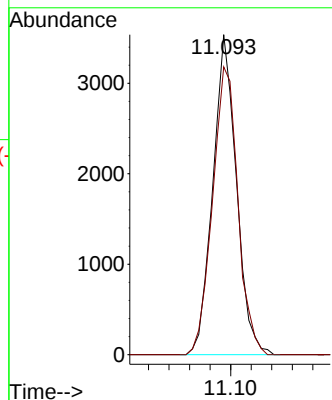
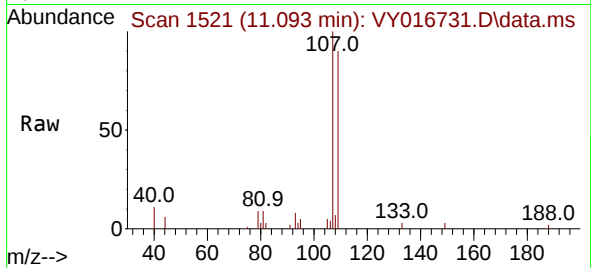




#61
1,2-Dibromoethane
Concen: 4.204 ug/l
RT: 11.093 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

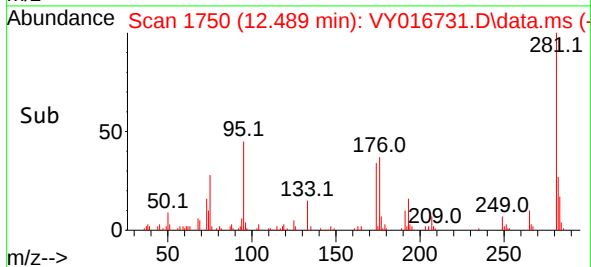
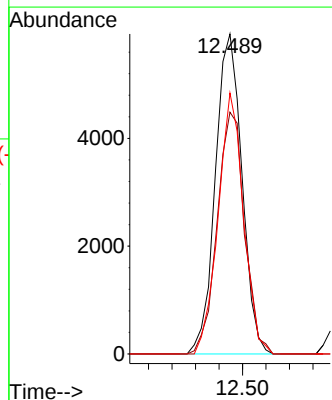
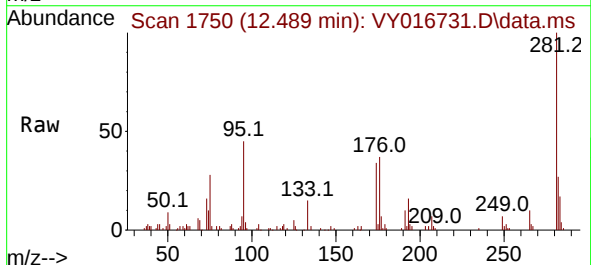
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

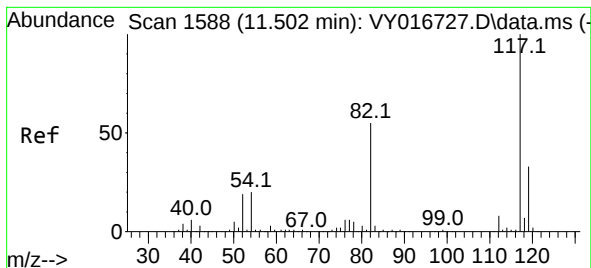
Tgt Ion:107 Resp: 5636
Ion Ratio Lower Upper
107 100
109 96.7 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 4.596 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 95 Resp: 9317
Ion Ratio Lower Upper
95 100
174 77.7 0.0 160.0
176 77.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

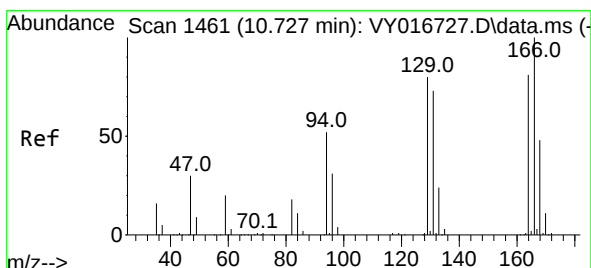
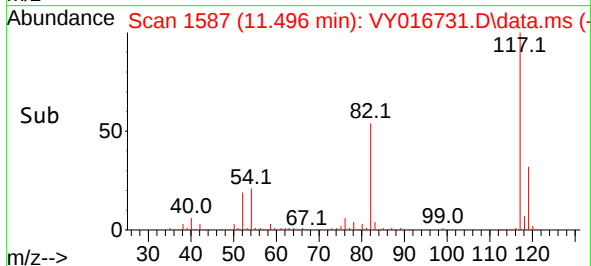
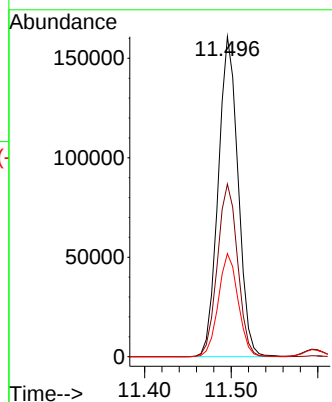
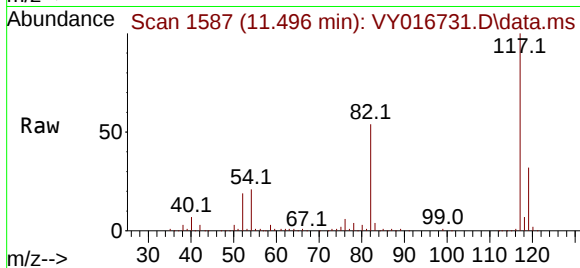
Tgt Ion:117 Resp: 256354

Ion Ratio Lower Upper

117 100

82 54.0 43.8 65.8

119 32.2 26.5 39.7



#64

Tetrachloroethene

Concen: 4.379 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Tgt Ion:164 Resp: 6973

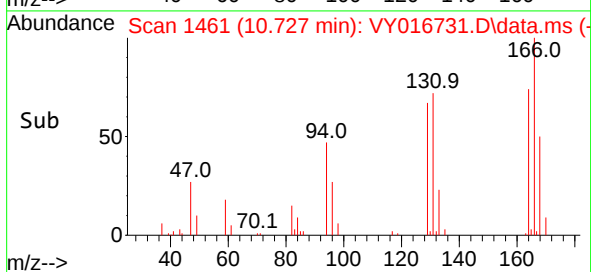
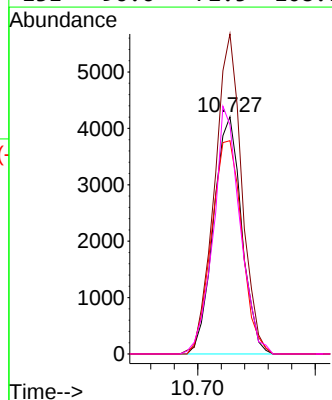
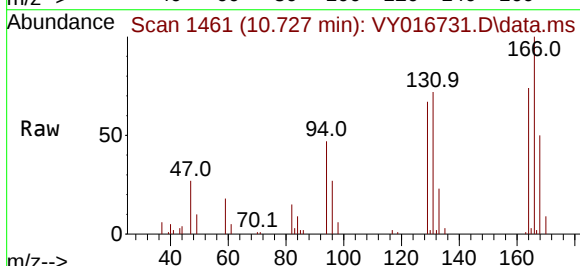
Ion Ratio Lower Upper

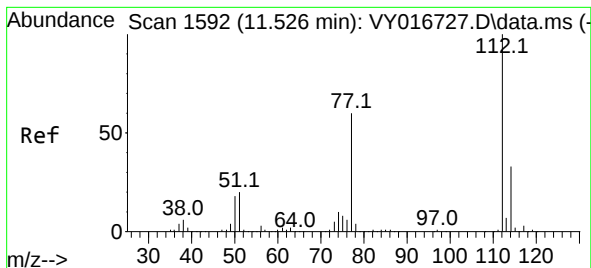
164 100

166 134.9 98.8 148.2

129 90.0 78.9 118.3

131 96.6 72.5 108.7





#65

Chlorobenzene

Concen: 4.515 ug/l

RT: 11.520 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

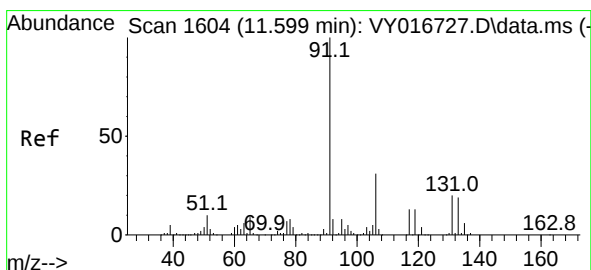
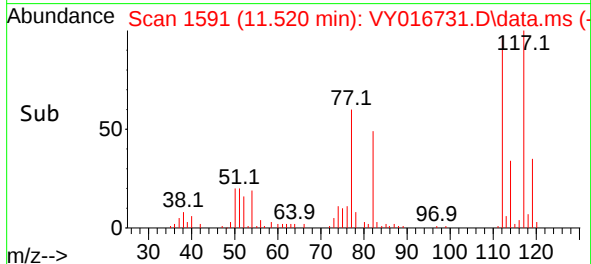
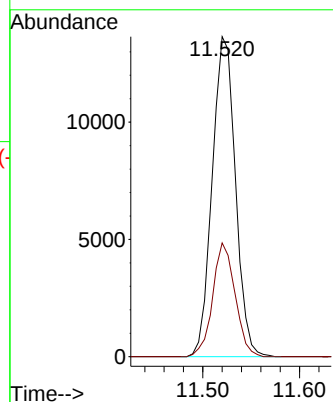
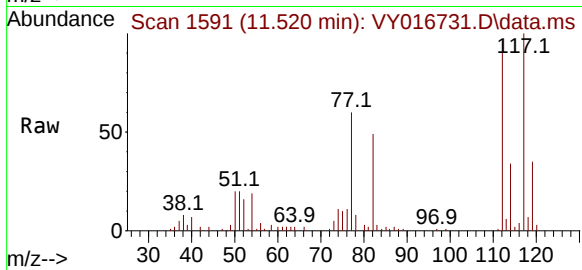
VSTDIC005

Tgt Ion:112 Resp: 22741

Ion Ratio Lower Upper

112 100

114 35.6 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 4.449 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

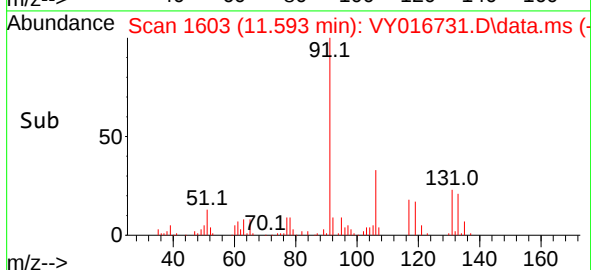
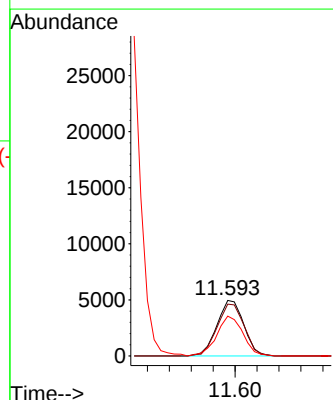
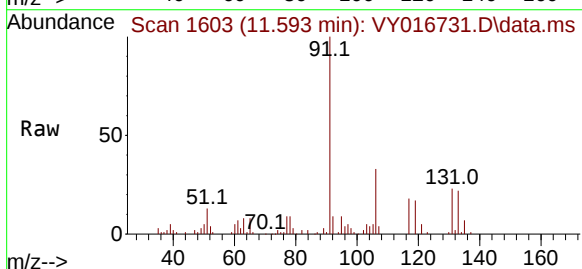
Tgt Ion:131 Resp: 8431

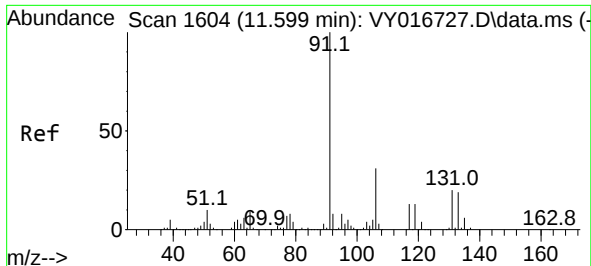
Ion Ratio Lower Upper

131 100

133 94.7 47.0 141.0

119 69.8 33.3 99.9





#67

Ethyl Benzene

Concen: 4.138 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

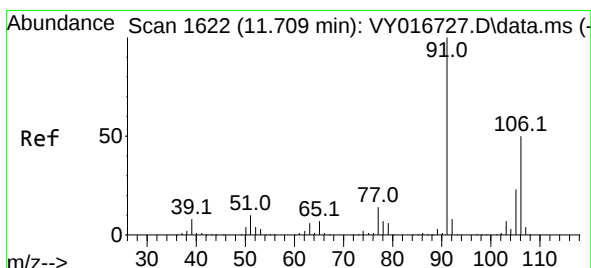
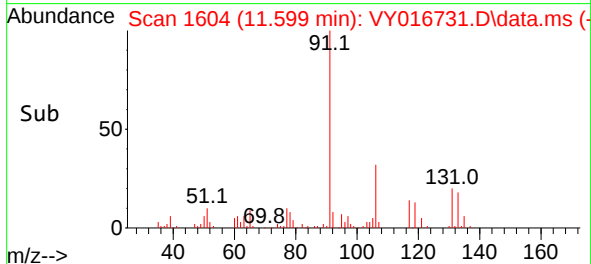
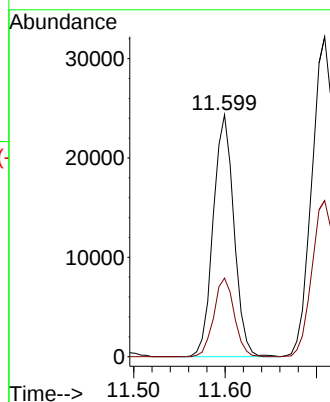
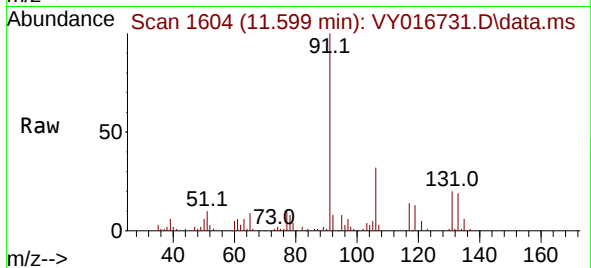
VSTDIC005

Tgt Ion: 91 Resp: 38357

Ion Ratio Lower Upper

91 100

106 32.5 25.0 37.4



#68

m/p-Xylenes

Concen: 8.385 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.000 min

Lab File: VY016731.D

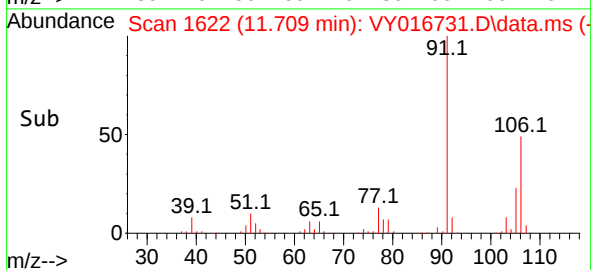
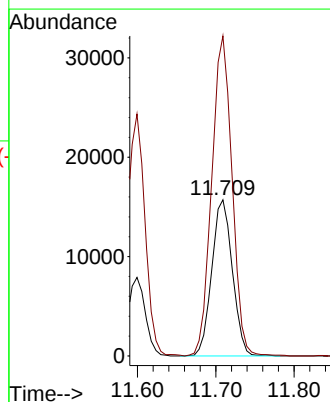
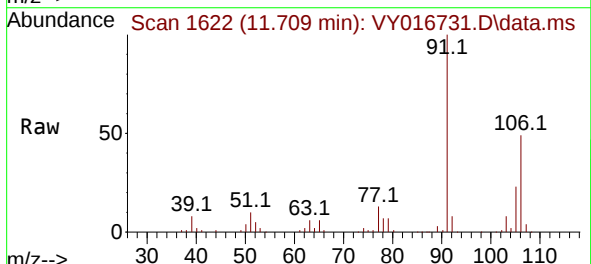
Acq: 20 Dec 2023 18:10

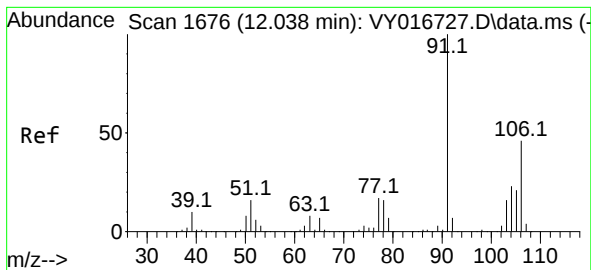
Tgt Ion: 106 Resp: 28704

Ion Ratio Lower Upper

106 100

91 202.5 160.7 241.1





#69

o-Xylene

Concen: 4.247 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

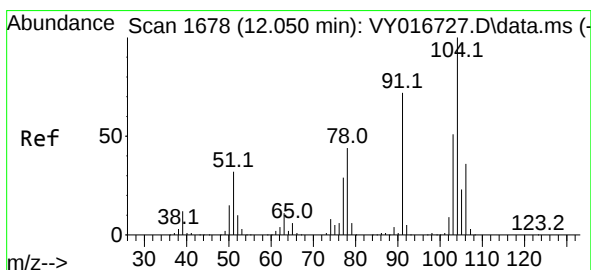
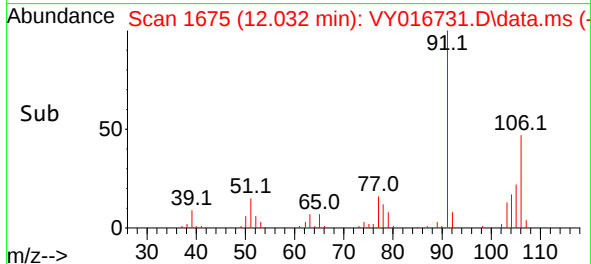
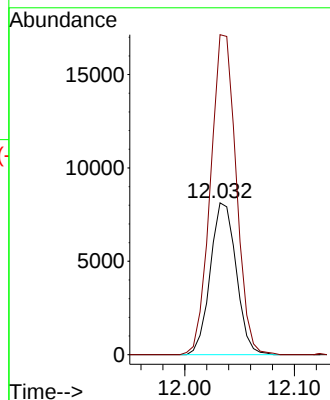
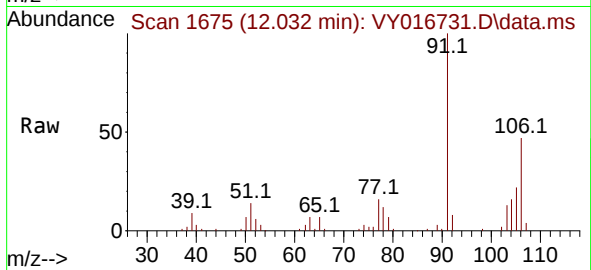
VSTDIC005

Tgt Ion:106 Resp: 13337

Ion Ratio Lower Upper

106 100

91 209.2 106.5 319.5



#70

Styrene

Concen: 4.009 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

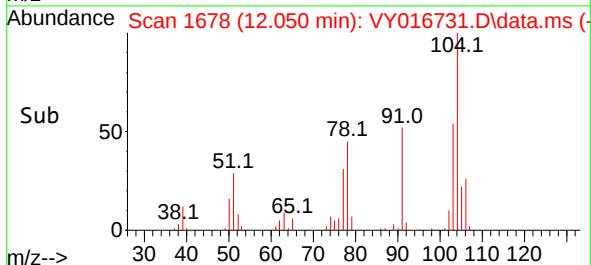
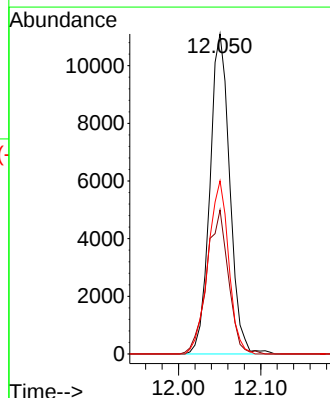
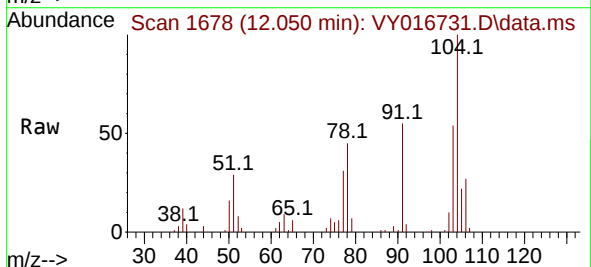
Tgt Ion:104 Resp: 18631

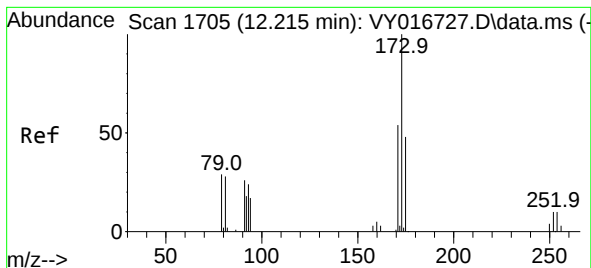
Ion Ratio Lower Upper

104 100

78 49.2 39.2 58.8

103 56.5 43.8 65.6





#71

Bromoform

Concen: 4.150 ug/l

RT: 12.215 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

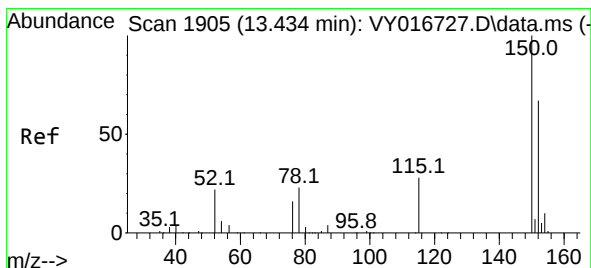
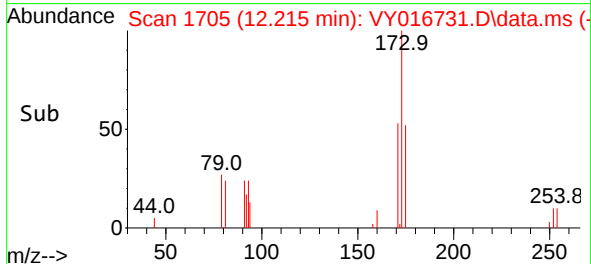
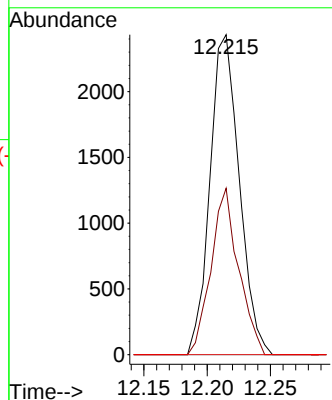
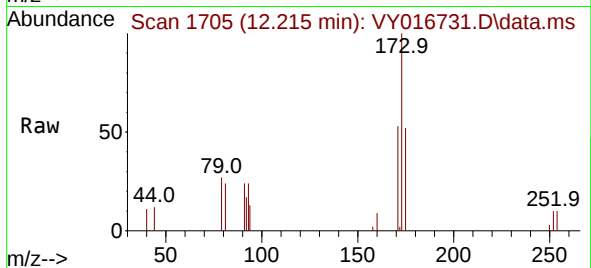
Tgt Ion:173 Resp: 3921

Ion Ratio Lower Upper

173 100

175 48.9 23.5 70.6

254 0.0 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: VY016731.D

Acq: 20 Dec 2023 18:10

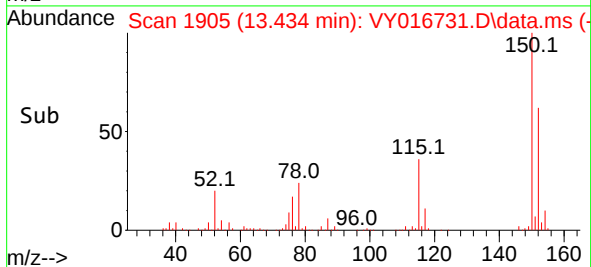
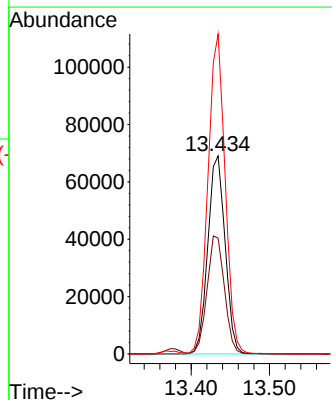
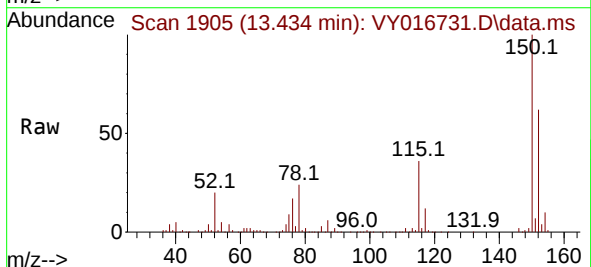
Tgt Ion:152 Resp: 105772

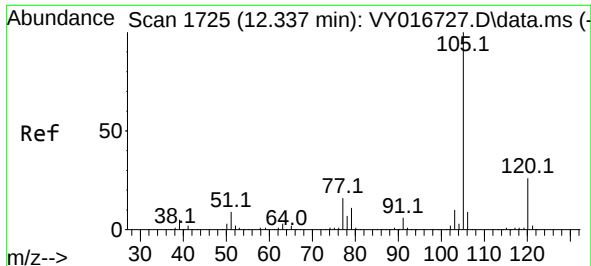
Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 160.3 0.0 344.6

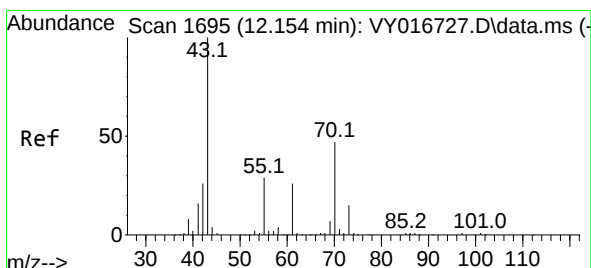
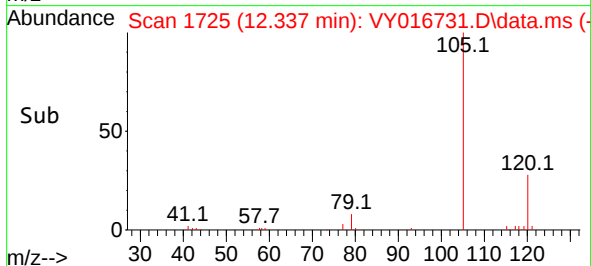
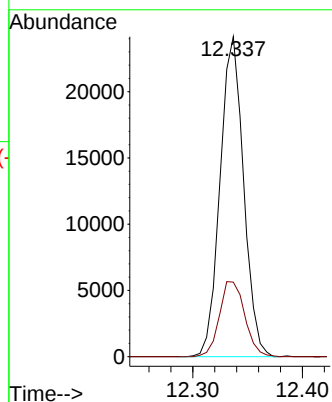
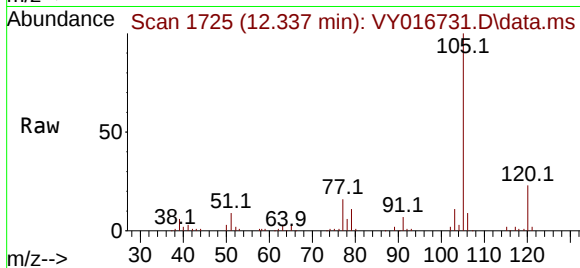




#73
Isopropylbenzene
Concen: 4.372 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.000 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

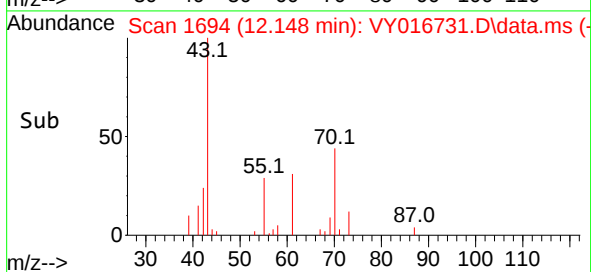
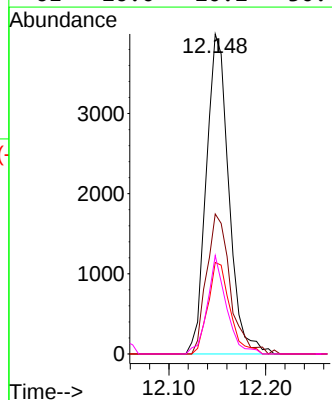
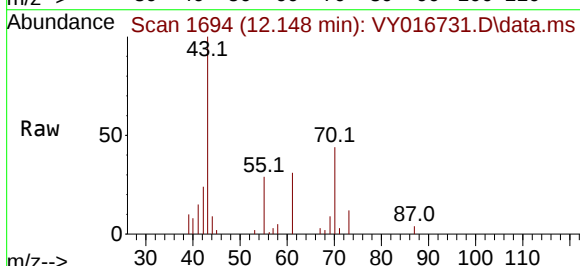
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

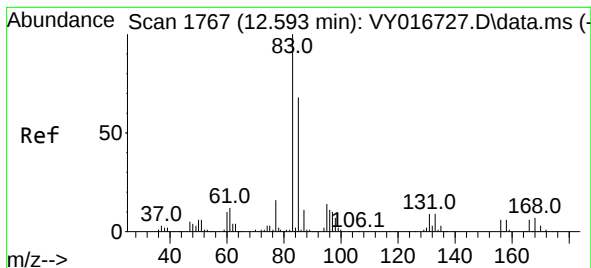
Tgt Ion:105 Resp: 36012
Ion Ratio Lower Upper
105 100
120 25.3 13.0 39.0



#74
N-ethyl acetate
Concen: 3.734 ug/l
RT: 12.148 min Scan# 1694
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 43 Resp: 6473
Ion Ratio Lower Upper
43 100
70 46.0 36.6 55.0
55 27.8 22.2 33.4
61 26.0 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.513 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

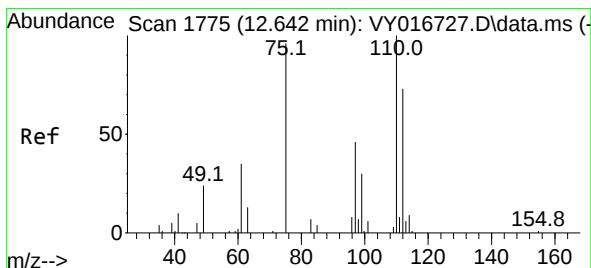
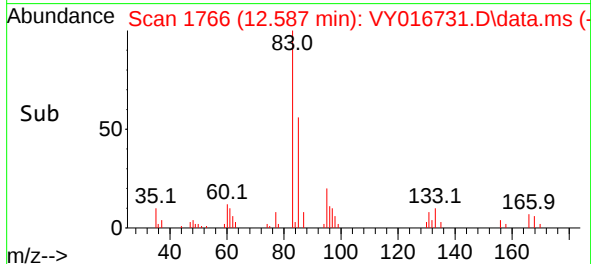
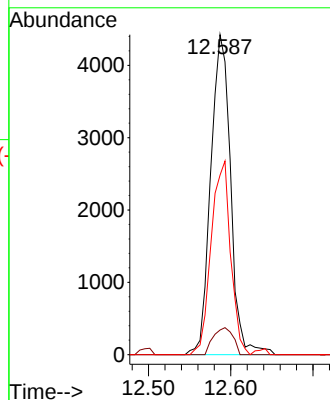
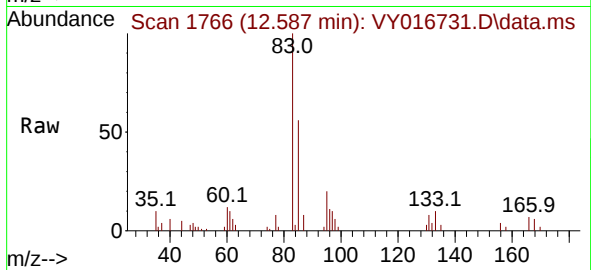
Tgt Ion: 83 Resp: 7429

Ion Ratio Lower Upper

83 100

131 8.4 4.9 14.6

85 59.1 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 7.368 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VY016731.D

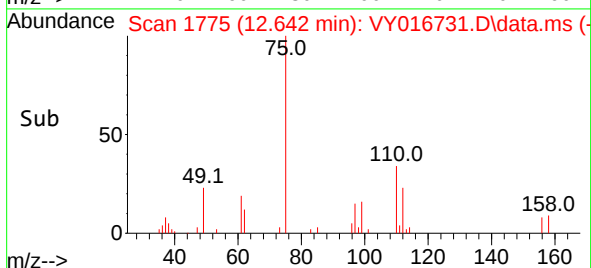
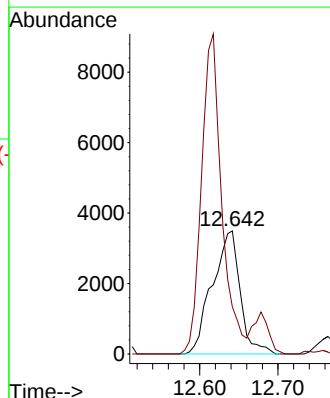
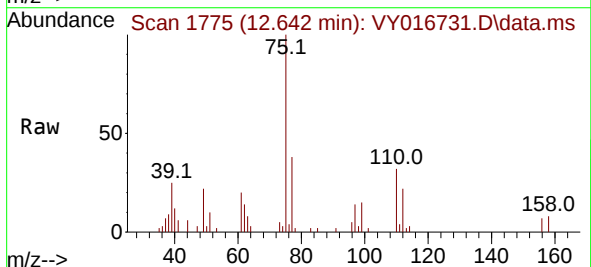
Acq: 20 Dec 2023 18:10

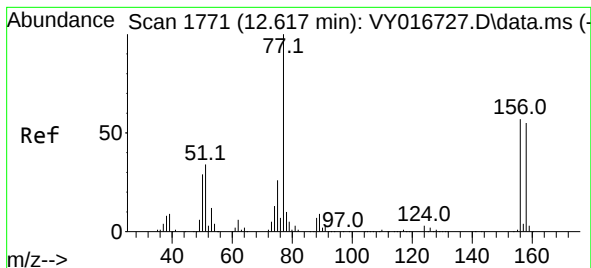
Tgt Ion: 75 Resp: 8629

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.507 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

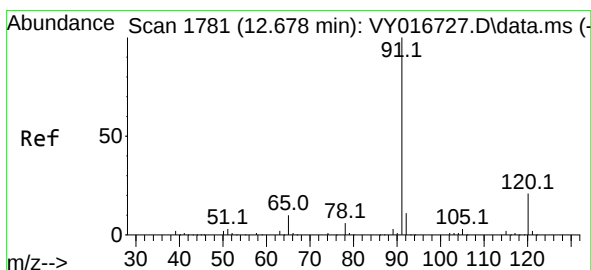
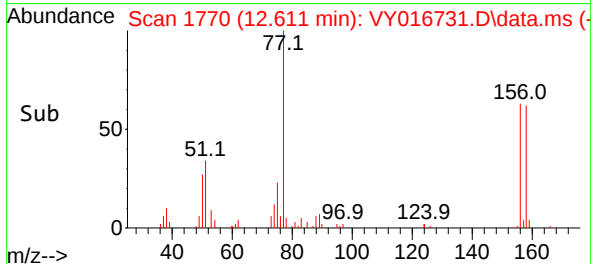
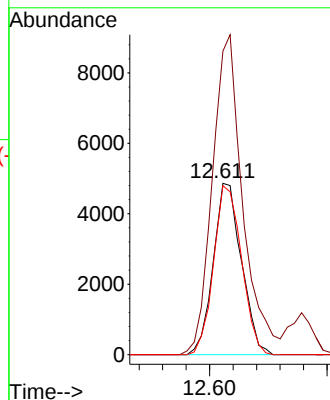
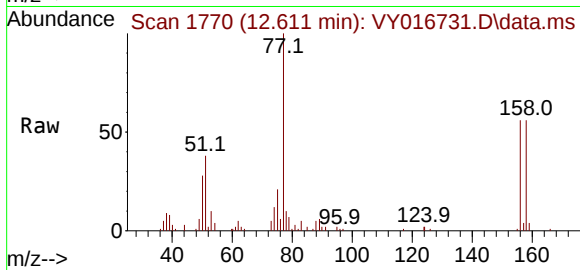
Tgt Ion:156 Resp: 8100

Ion Ratio Lower Upper

156 100

77 201.6 97.3 291.8

158 97.6 48.4 145.0



#78

n-propylbenzene

Concen: 4.293 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VY016731.D

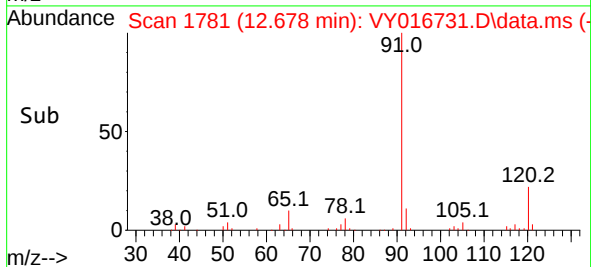
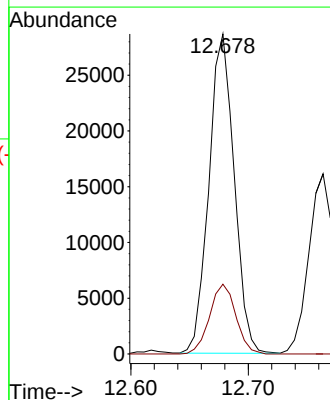
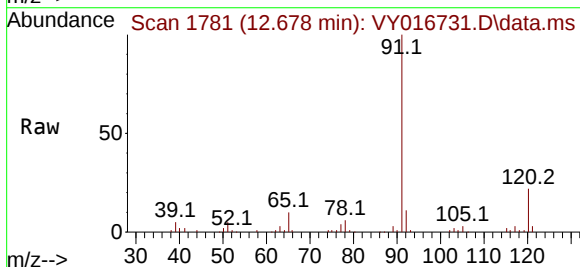
Acq: 20 Dec 2023 18:10

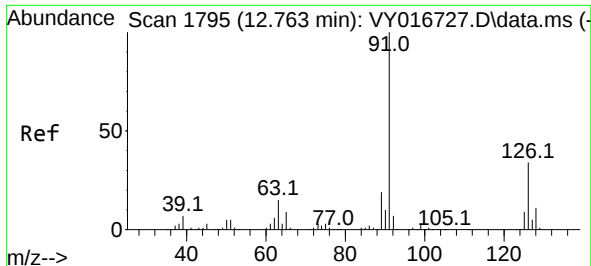
Tgt Ion: 91 Resp: 42846

Ion Ratio Lower Upper

91 100

120 22.7 11.0 33.0

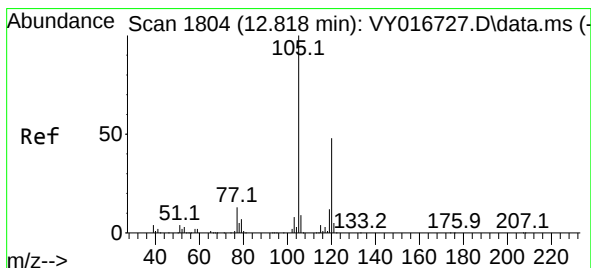
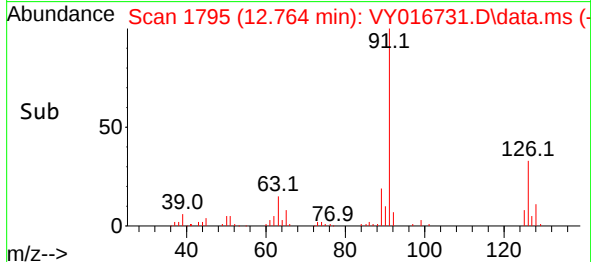
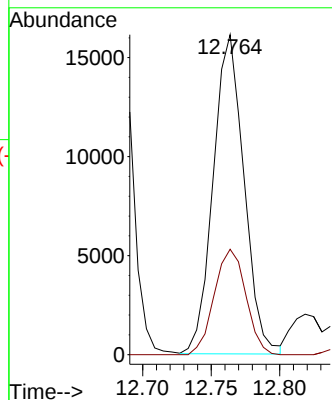
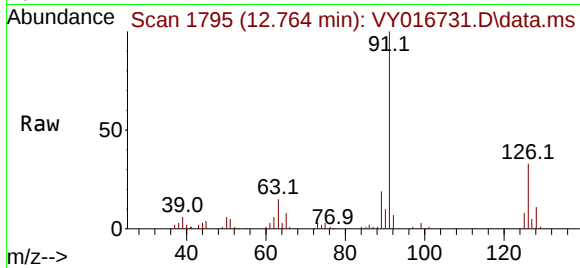




#79
2-Chlorotoluene
Concen: 4.563 ug/l
RT: 12.764 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

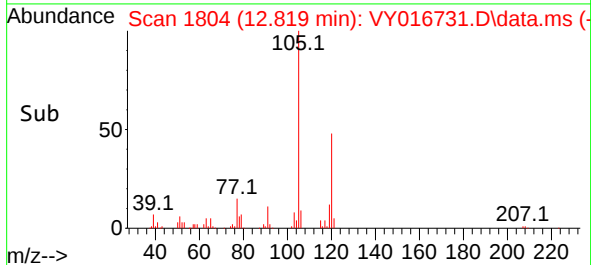
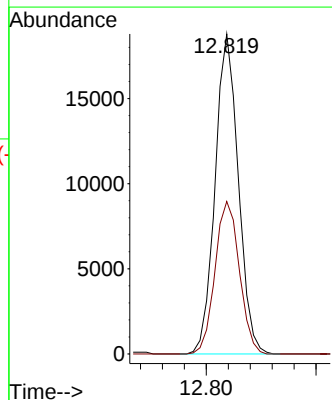
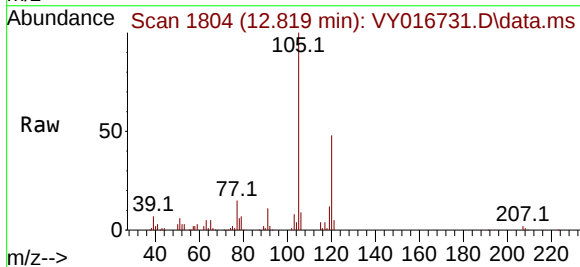
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

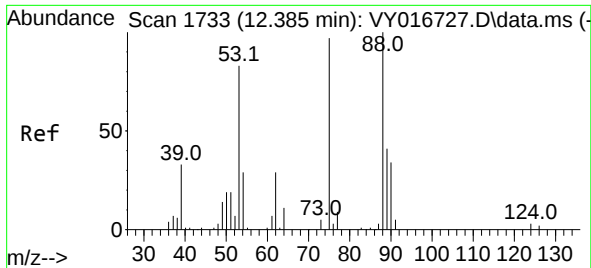
Tgt Ion: 91 Resp: 25199
Ion Ratio Lower Upper
91 100
126 33.8 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 4.234 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 105 Resp: 27609
Ion Ratio Lower Upper
105 100
120 50.0 24.3 72.8

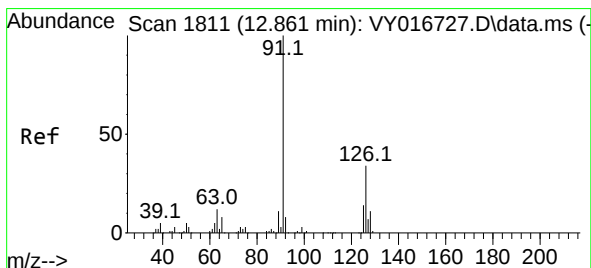
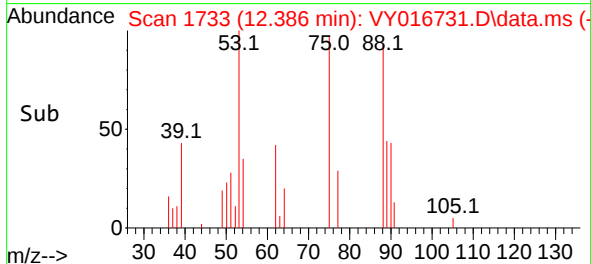
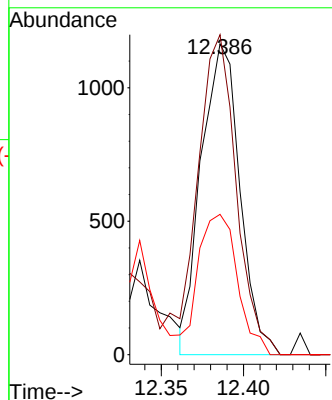
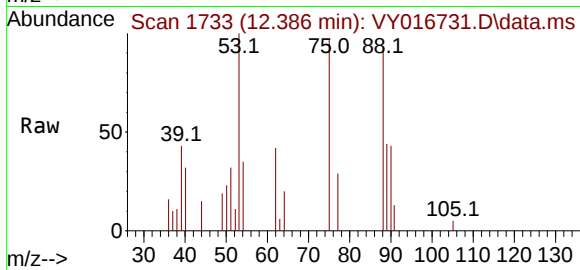




#81
trans-1,4-Dichloro-2-butene
Concen: 3.816 ug/l
RT: 12.386 min Scan# 1733
Delta R.T. 0.000 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

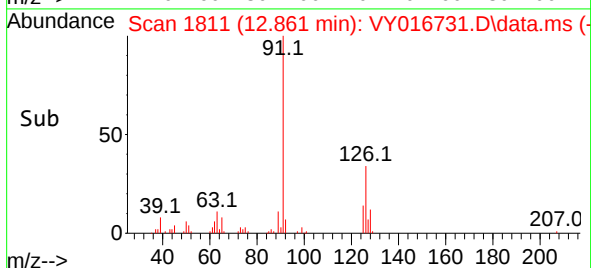
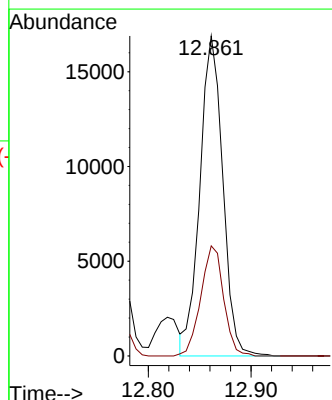
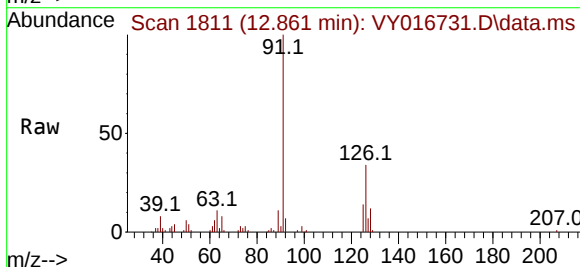
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

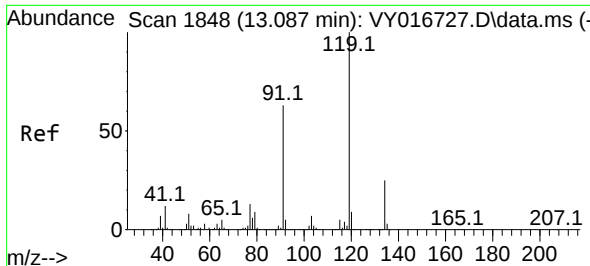
Tgt Ion: 75 Resp: 1900
Ion Ratio Lower Upper
75 100
53 105.5 74.0 111.0
89 47.1 36.5 54.7



#82
4-Chlorotoluene
Concen: 4.624 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 91 Resp: 26201
Ion Ratio Lower Upper
91 100
126 34.2 17.1 51.2

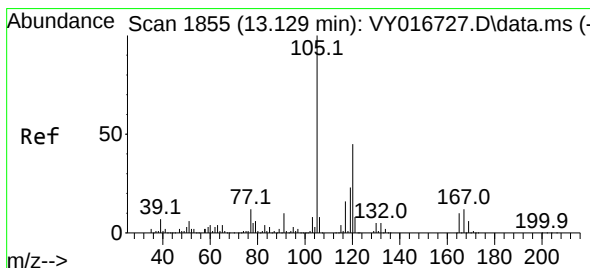
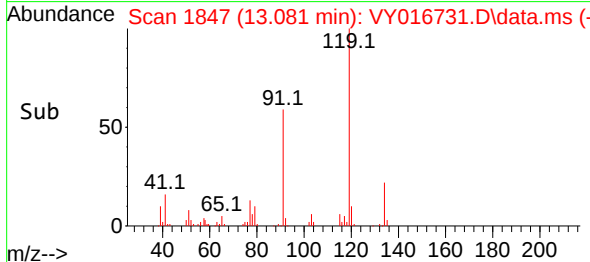
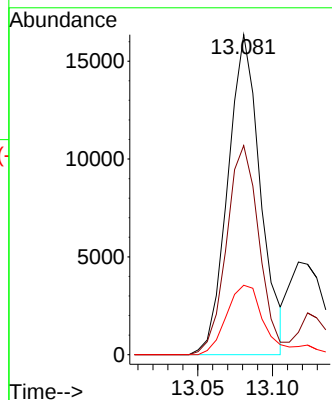
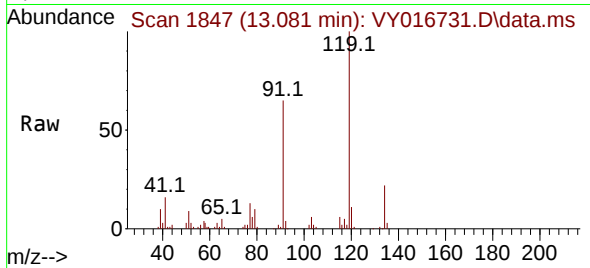




#83
tert-Butylbenzene
Concen: 4.375 ug/l
RT: 13.081 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

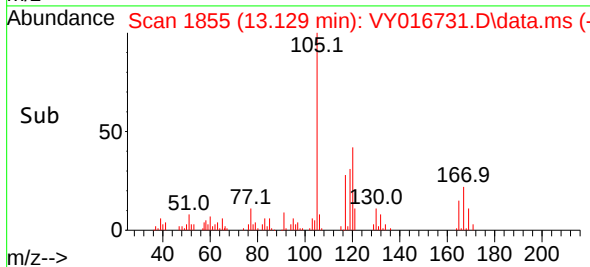
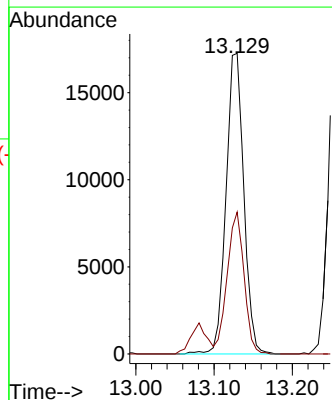
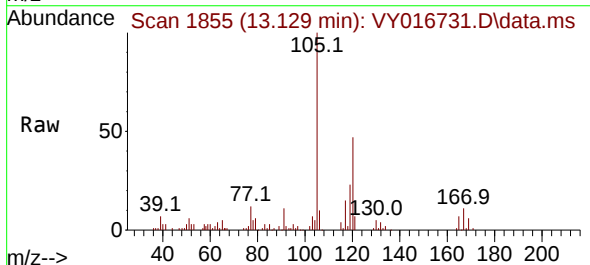
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

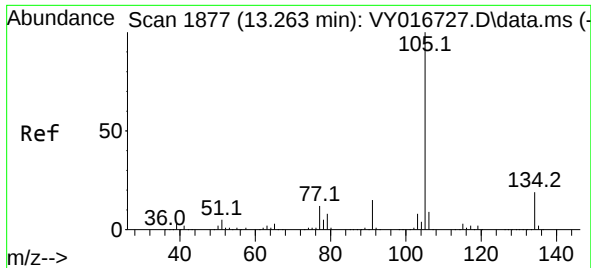
Tgt Ion:	119	Resp:	24814
Ion	Ratio	Lower	Upper
119	100		
91	65.9	31.5	94.5
134	26.4	13.1	39.3



#84
1,2,4-Trimethylbenzene
Concen: 4.235 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion:	105	Resp:	27228
Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.1	66.3

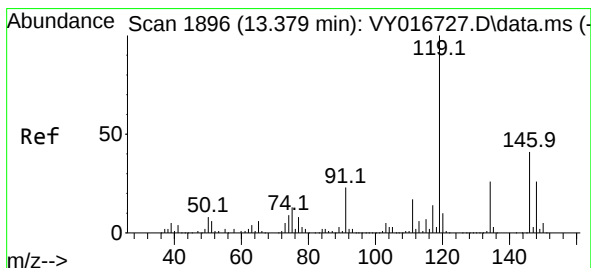
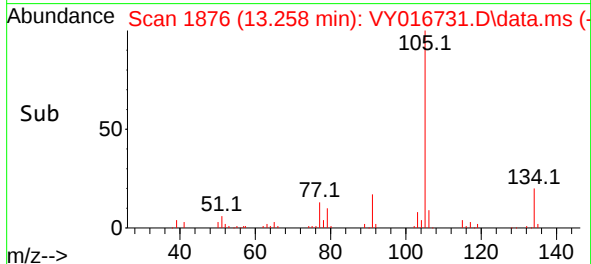
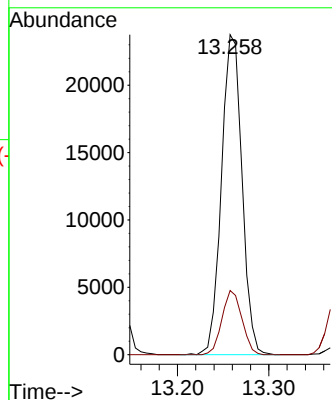
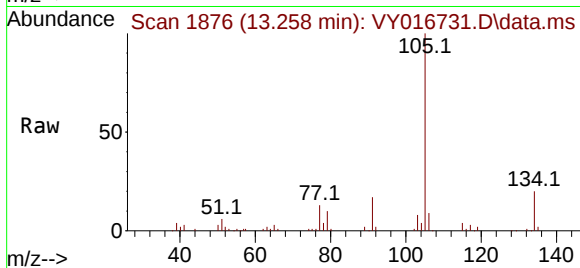




#85
 sec-Butylbenzene
 Concen: 4.415 ug/l
 RT: 13.258 min Scan# 1876
 Delta R.T. -0.006 min
 Lab File: VY016731.D
 Acq: 20 Dec 2023 18:10

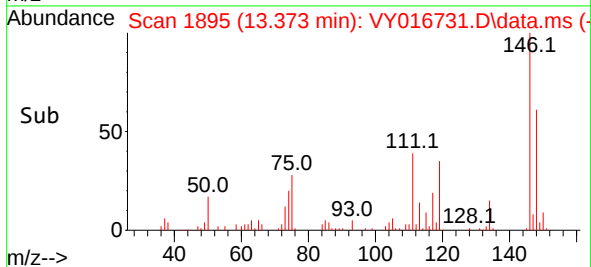
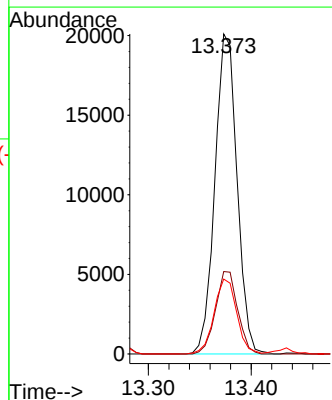
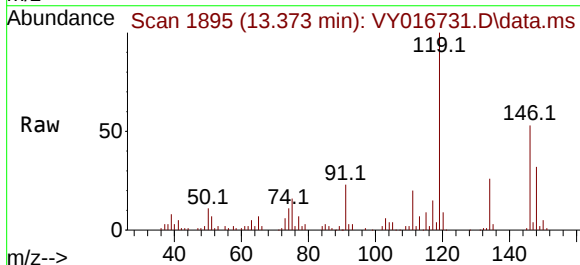
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

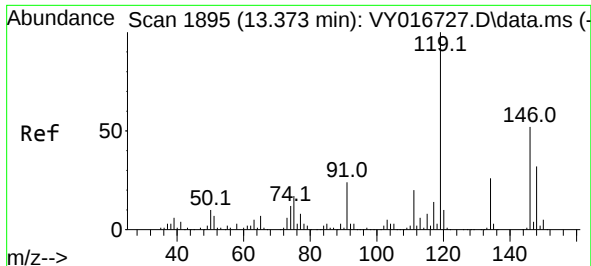
Tgt Ion:105 Resp: 37092
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 4.292 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. -0.006 min
 Lab File: VY016731.D
 Acq: 20 Dec 2023 18:10

Tgt Ion:119 Resp: 30030
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.1
 91 24.0 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 4.641 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

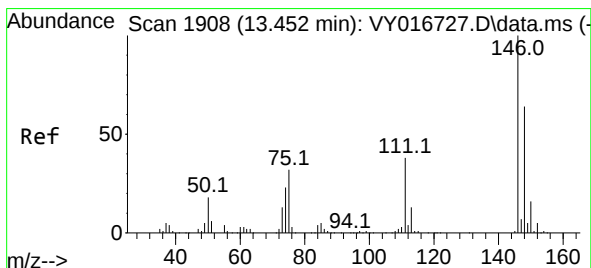
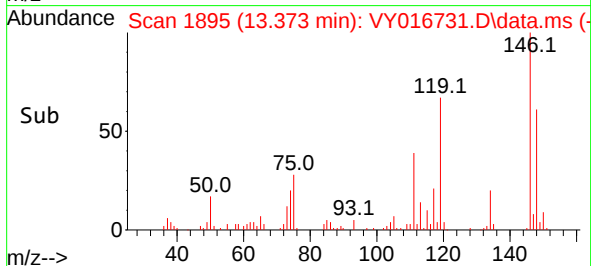
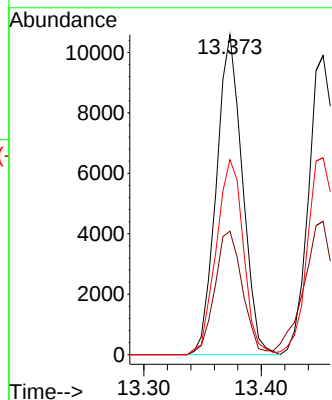
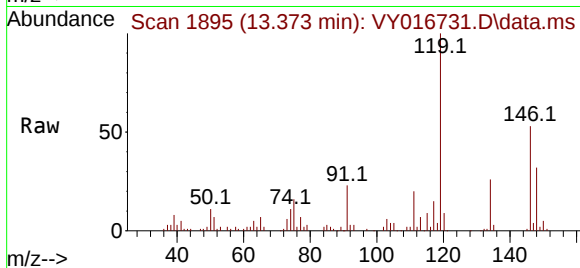
Tgt Ion:146 Resp: 16299

Ion Ratio Lower Upper

146 100

111 41.1 20.2 60.5

148 63.6 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 4.674 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

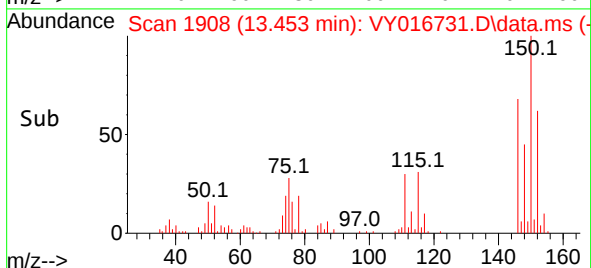
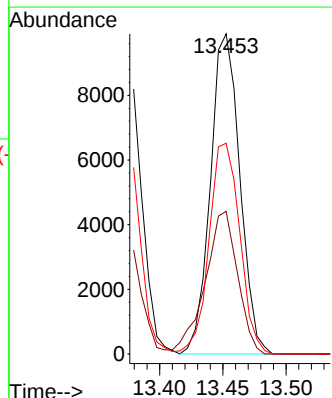
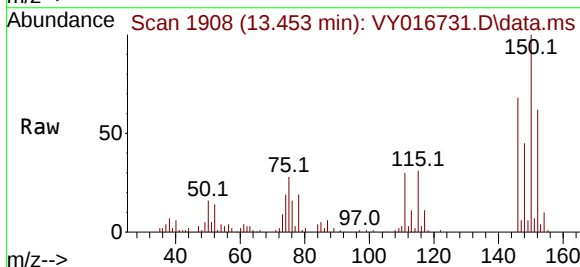
Tgt Ion:146 Resp: 16029

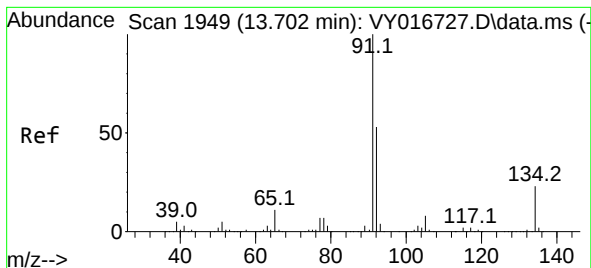
Ion Ratio Lower Upper

146 100

111 49.2 19.3 57.9

148 68.6 31.6 94.7





#89

n-Butylbenzene

Concen: 4.398 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

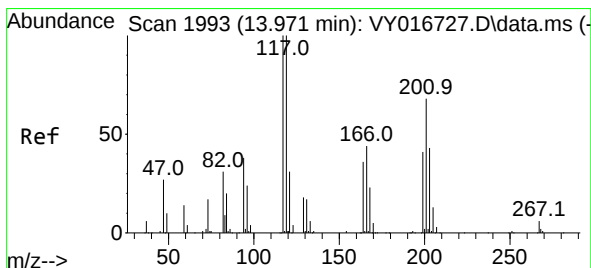
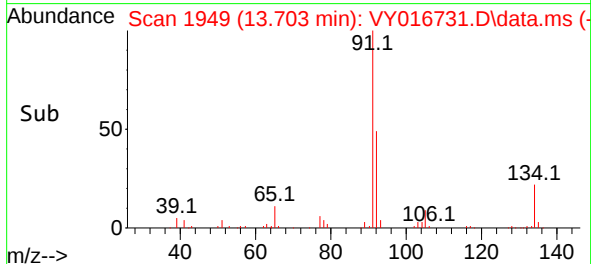
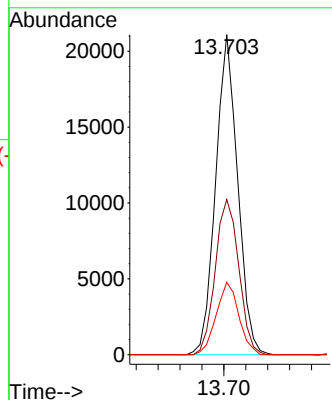
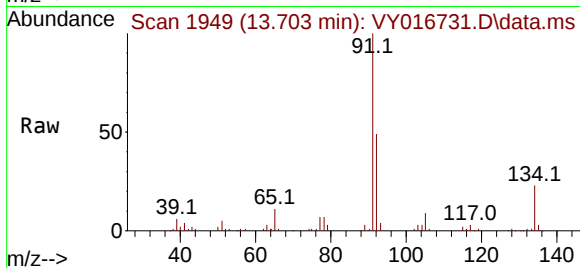
Tgt Ion: 91 Resp: 29413

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.2

134 23.3 12.3 36.8



#90

Hexachloroethane

Concen: 4.688 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY016731.D

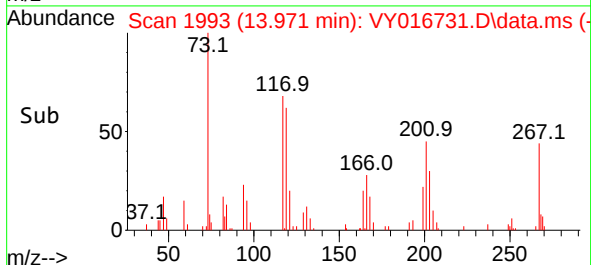
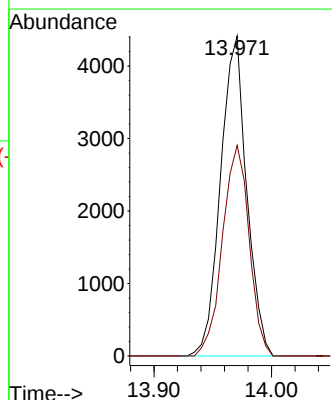
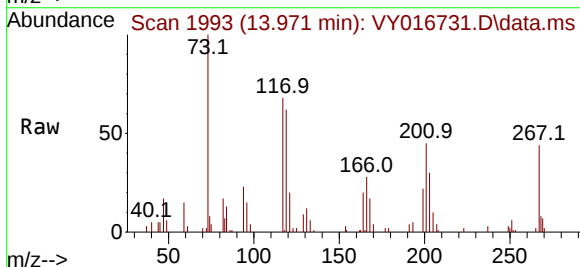
Acq: 20 Dec 2023 18:10

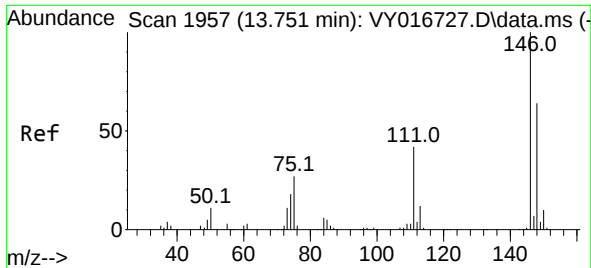
Tgt Ion: 117 Resp: 6830

Ion Ratio Lower Upper

117 100

201 67.0 33.4 100.1

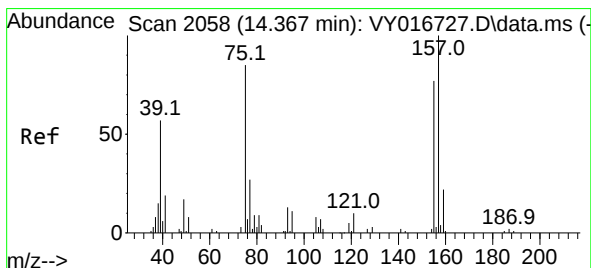
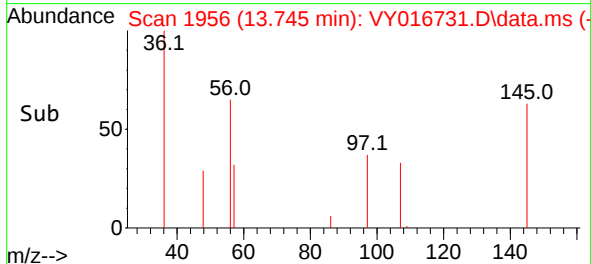
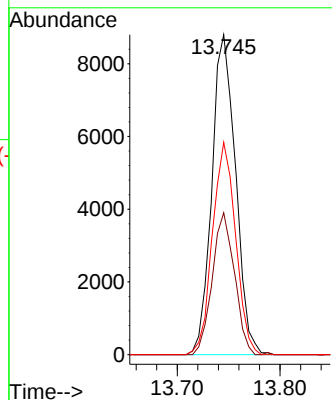
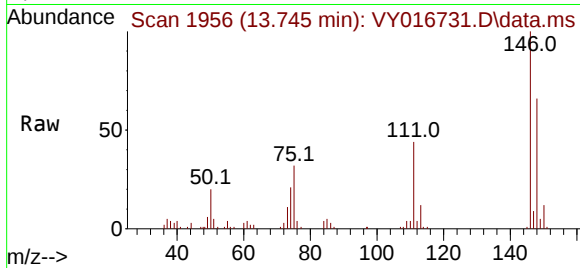




#91
1,2-Dichlorobenzene
Concen: 4.706 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

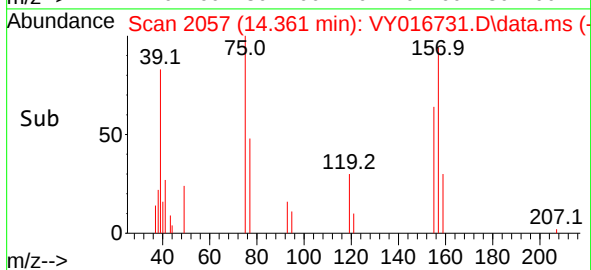
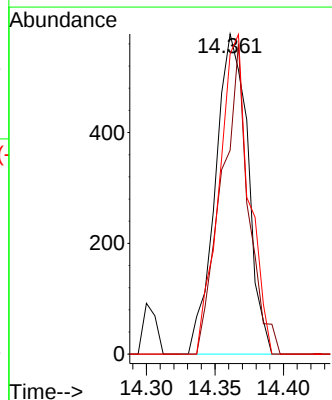
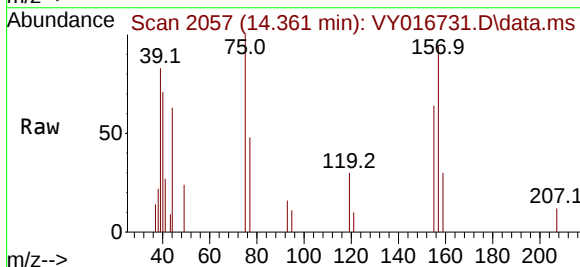
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

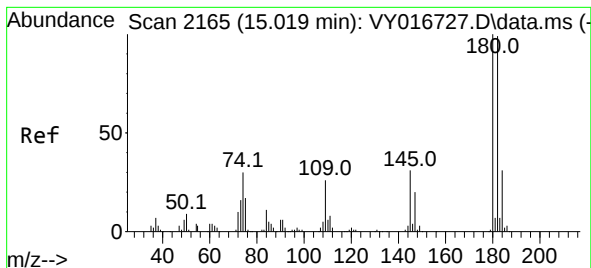
Tgt Ion:146	Resp:	14081
Ion Ratio	Lower	Upper
146	100	
111	41.5	20.5 61.6
148	64.8	31.4 94.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.475 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VY016731.D
Acq: 20 Dec 2023 18:10

Tgt Ion: 75	Resp:	955
Ion Ratio	Lower	Upper
75	100	
155	80.6	42.1 126.3
157	91.8	55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 4.468 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

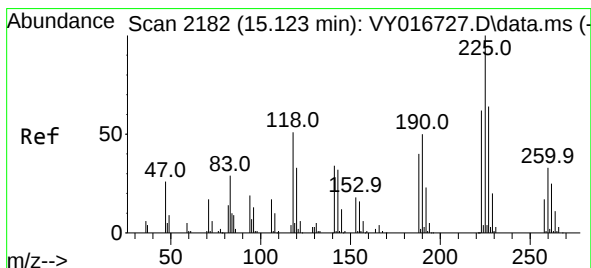
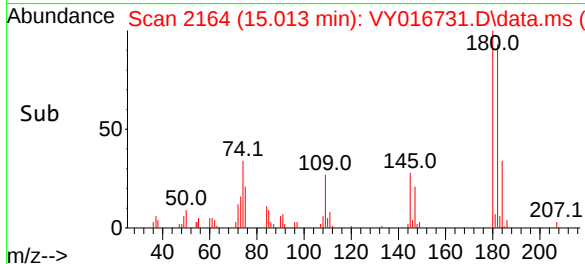
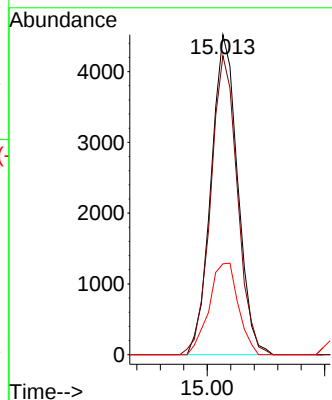
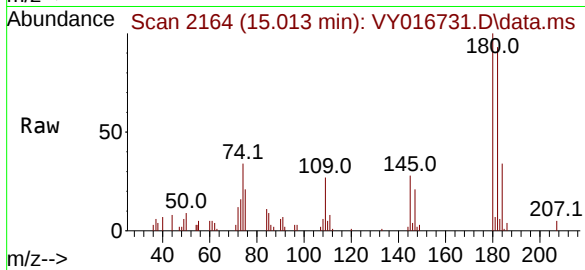
Tgt Ion:180 Resp: 7093

Ion Ratio Lower Upper

180 100

182 93.8 47.9 143.7

145 31.4 15.9 47.7



#94

Hexachlorobutadiene

Concen: 5.160 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

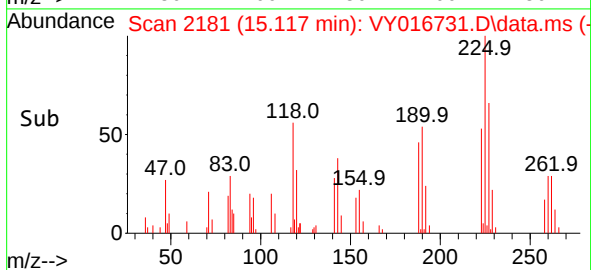
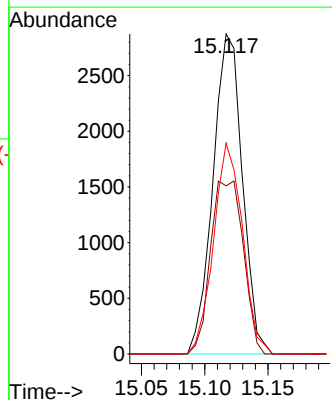
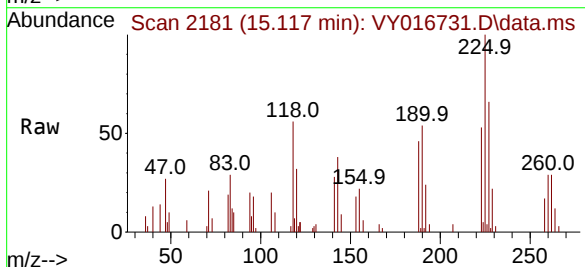
Tgt Ion:225 Resp: 4653

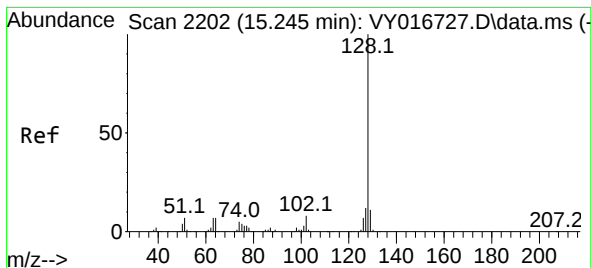
Ion Ratio Lower Upper

225 100

223 60.2 31.4 94.3

227 64.6 32.3 96.8





#95

Naphthalene

Concen: 6.634 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

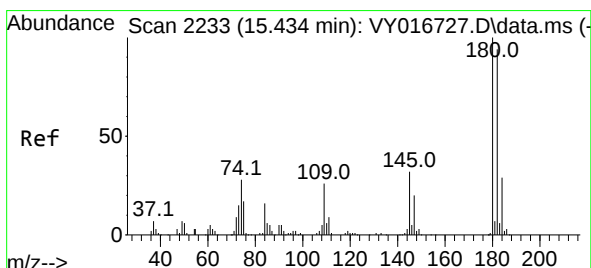
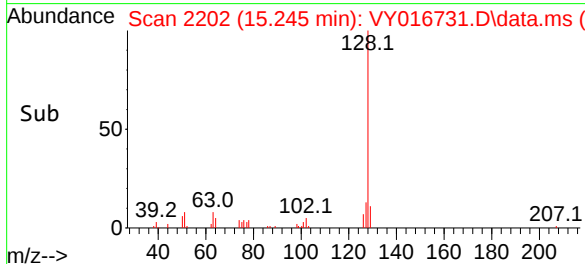
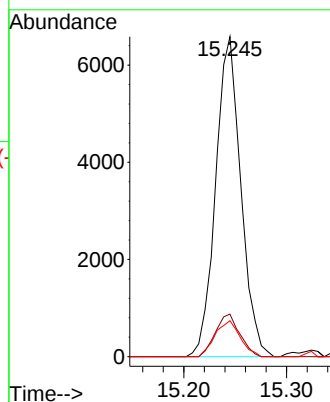
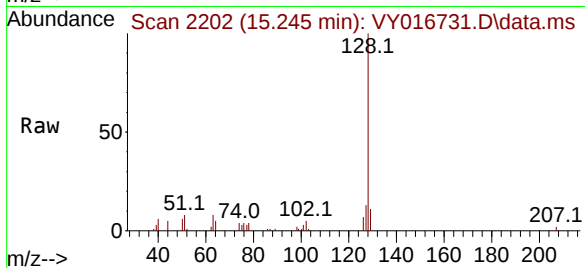
Tgt Ion:128 Resp: 11193

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.2 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 4.602 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.000 min

Lab File: VY016731.D

Acq: 20 Dec 2023 18:10

Tgt Ion:180 Resp: 6222

Ion Ratio Lower Upper

180 100

182 95.4 46.3 138.8

145 32.2 16.1 48.2

