

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111723\
 Data File : VD077605.D
 Acq On : 17 Nov 2023 11:28
 Operator : JC/SY
 Sample : 05437-03MSD
 Misc : 5.69G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EY1E2MSD

Quant Time: Nov 18 00:34:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 18 00:25:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	222655	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	215364	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	103565	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	96932	17.114	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.440%
7) Chloroethane-d5	2.805	69	90702	20.385	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.520%
11) 1,1-Dichloroethene-d2	3.917	65	29096	16.613	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.440%
21) 2-Butanone-d5	6.993	46	68583	69.937	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.880%#
24) Chloroform-d	7.569	84	150995	23.476	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.920%
26) 1,2-Dichloroethane-d4	8.234	65	93285	27.266	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.080%
32) Benzene-d6	8.205	84	276274	19.765	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.080%
36) 1,2-Dichloropropane-d6	9.210	67	102055	22.415	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.640%
41) Toluene-d8	10.269	98	243755	19.298	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	10.528	79	47463	24.177	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.720%
47) 2-Hexanone-d5	10.875	63	51829	63.634	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.260%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	95829	31.767	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	127.080%#
66) 1,2-Dichlorobenzene-d4	13.816	152	87429	23.730	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.920%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	70199	19.577	ug/L	99
3) Chloromethane	2.152	50	108534	21.038	ug/L	99
5) Vinyl chloride	2.287	62	121460	20.859	ug/L	95
6) Bromomethane	2.699	94	71759	23.148	ug/L	94
8) Chloroethane	2.840	64	79707	22.019	ug/L	95
9) Trichlorofluoromethane	3.181	101	112849	21.296	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	65768	20.168	ug/L	98
12) 1,1-Dichloroethene	3.946	96	62547	19.754	ug/L	98
13) Acetone	4.028	43	93160	90.377	ug/L	99
14) Carbon disulfide	4.269	76	204577	17.943	ug/L	100
15) Methyl Acetate	4.564	43	51837	30.568	ug/L #	82
16) Methylene chloride	4.805	84	113403	30.166	ug/L	93
17) trans-1,2-Dichloroethene	5.316	96	68136	20.457	ug/L	99
18) Methyl tert-butyl Ether	5.322	73	220927	28.261	ug/L	99
19) 1,1-Dichloroethane	6.116	63	153836	23.020	ug/L	95
20) cis-1,2-Dichloroethene	7.081	96	84100	23.241	ug/L	98
22) 2-Butanone	7.081	43	82678	66.662	ug/L	100
23) Bromochloromethane	7.428	128	40817	28.072	ug/L	92
25) Chloroform	7.599	83	149390	24.335	ug/L	99

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 Response via : Initial Calibration

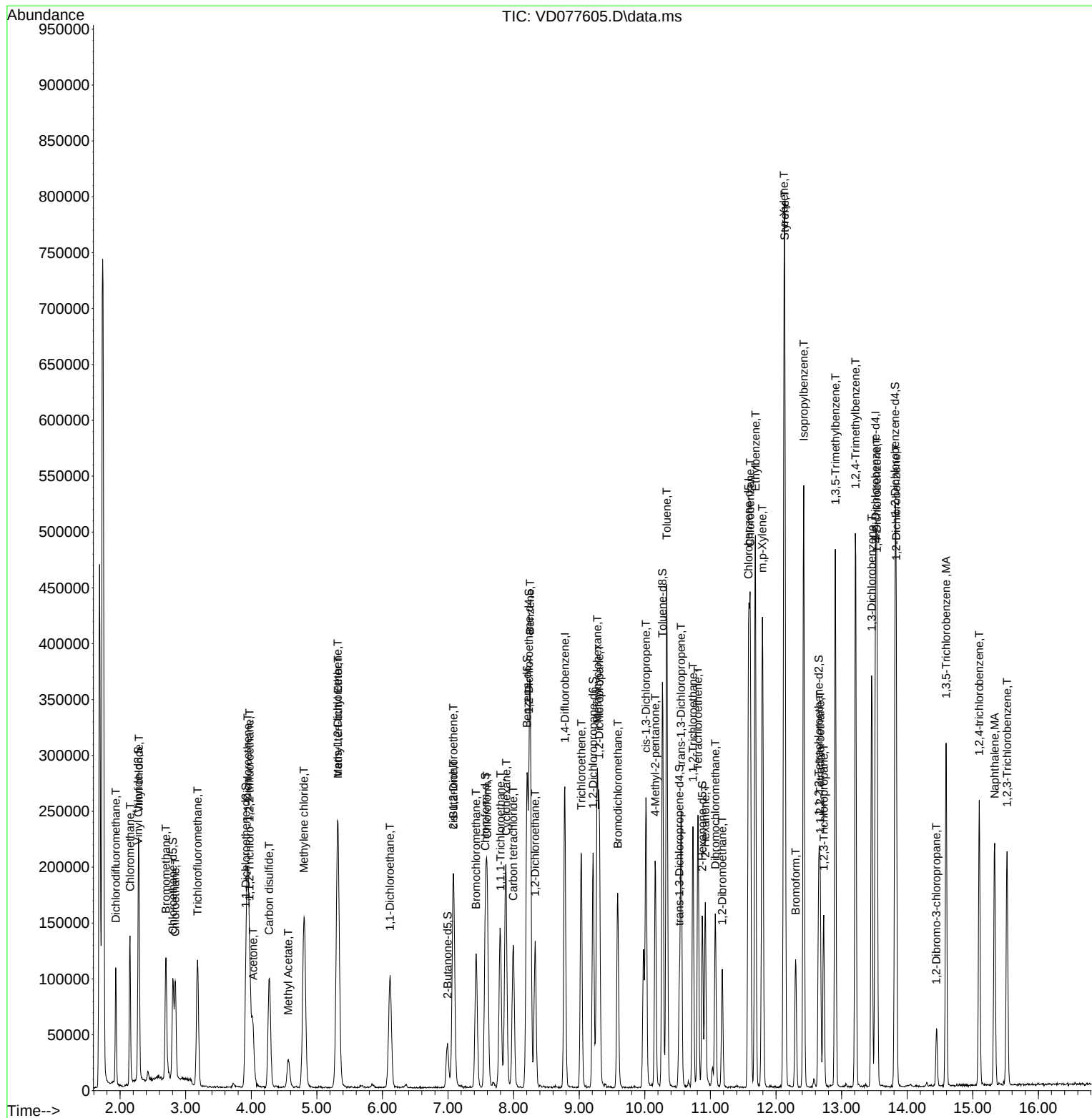
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	112232	27.579	ug/L	95
29) Cyclohexane	7.887	56	115333	16.494	ug/L	98
30) 1,1,1-Trichloroethane	7.799	97	115816	20.542	ug/L	98
31) Carbon tetrachloride	7.993	117	95877	19.788	ug/L	98
33) Benzene	8.252	78	313454	20.988	ug/L	100
34) Trichloroethene	9.034	95	75473	20.394	ug/L	95
35) Methylcyclohexane	9.275	83	109543	16.403	ug/L	98
37) 1,2-Dichloropropane	9.304	63	95615	23.030	ug/L	99
38) Bromodichloromethane	9.587	83	114664	24.077	ug/L #	95
39) cis-1,3-Dichloropropene	10.016	75	153158	24.006	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	142036	56.138	ug/L	99
42) Toluene	10.334	91	329282	21.000	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	136697	25.930	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	71632	28.225	ug/L	97
46) Tetrachloroethene	10.810	164	53120	19.509	ug/L	98
48) 2-Hexanone	10.922	43	111031	55.364	ug/L	99
49) Dibromochloromethane	11.075	129	76254	26.451	ug/L	100
50) 1,2-Dibromoethane	11.181	107	67152	27.669	ug/L	92
51) Chlorobenzene	11.604	112	204046	22.212	ug/L	98
52) Ethylbenzene	11.687	91	353675	20.499	ug/L	96
53) m,p-Xylene	11.793	106	131365	20.924	ug/L	94
54) o-Xylene	12.122	106	128892	21.435	ug/L	100
55) Styrene	12.134	104	237480	22.619	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	88011	29.438	ug/L	97
59) Bromoform	12.298	173	50191	28.425	ug/L #	98
60) Isopropylbenzene	12.422	105	334709	19.980	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	61736	27.985	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	255798	20.120	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	265474	20.613	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	147249	21.426	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	153307	22.104	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	139801	23.009	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.445	75	13332	27.784	ug/L	90
69) 1,3,5-Trichlorobenzene	14.592	180	89813	19.193	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	76129	19.303	ug/L	99
71) Naphthalene	15.334	128	183120	24.637	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	68287	20.307	ug/L	99

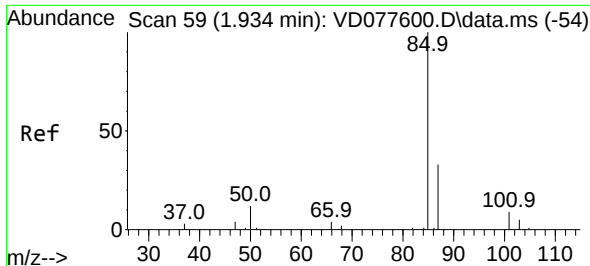
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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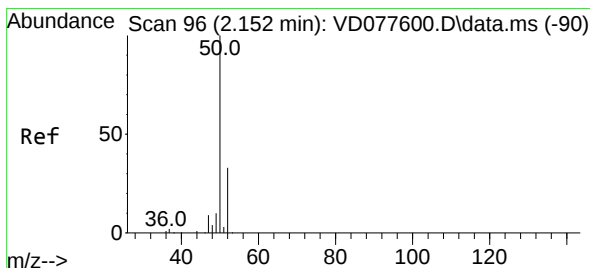
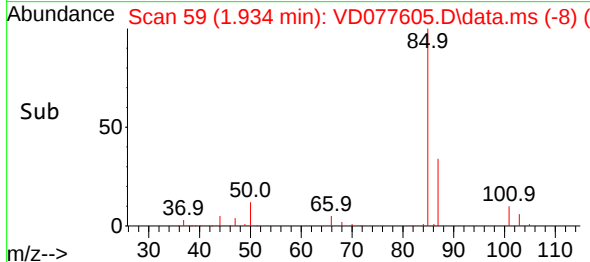
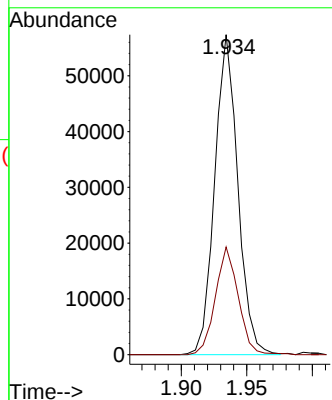
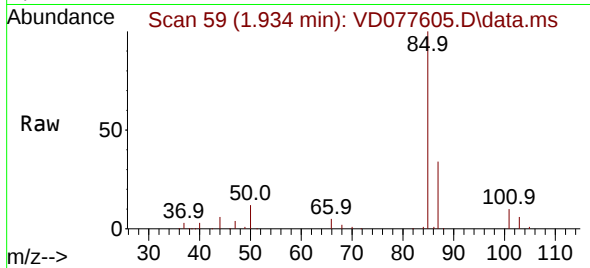




#2
 Dichlorodifluoromethane
 Concen: 19.577 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

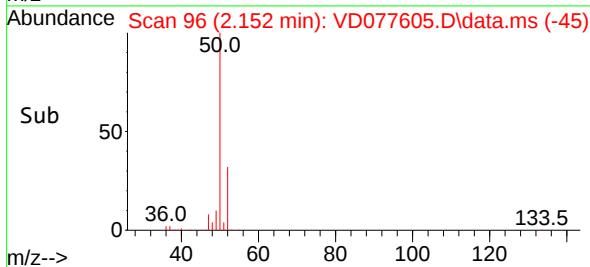
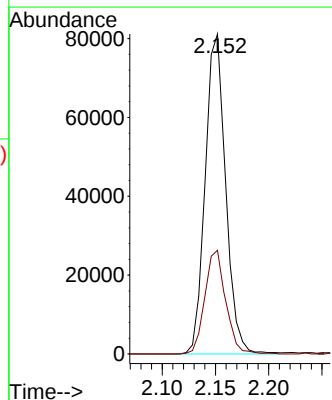
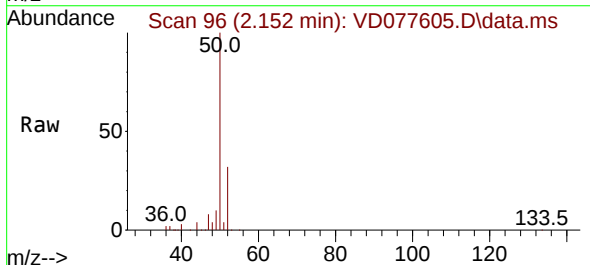
Instrument :
 MSVOA_D
 ClientSampleId :
 EY1E2MSD

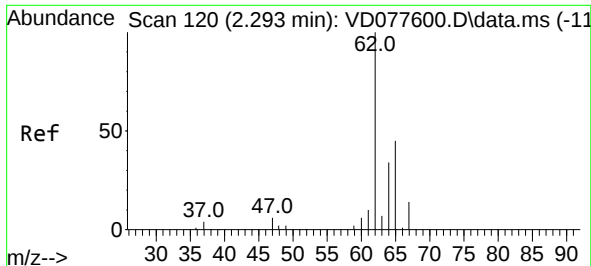
Tgt Ion: 85 Resp: 70199
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.2 39.2



#3
 Chloromethane
 Concen: 21.038 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

Tgt Ion: 50 Resp: 108534
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.1 41.1

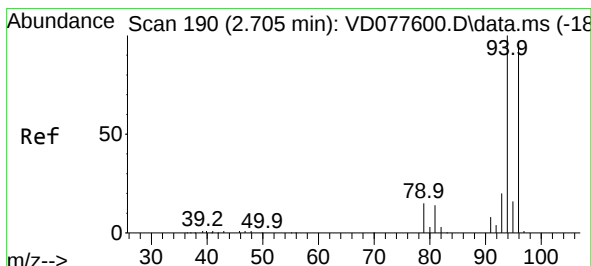
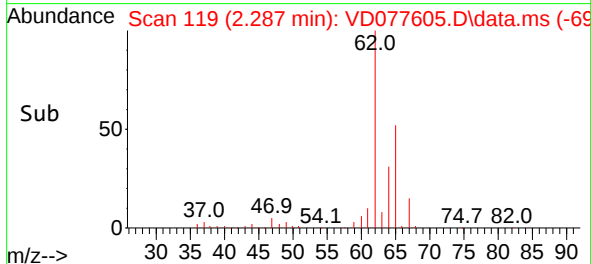
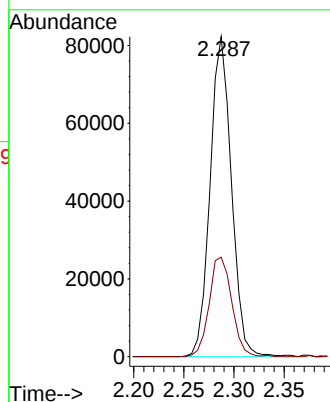
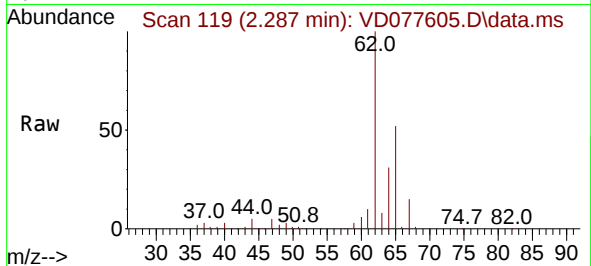




#5
 Vinyl chloride
 Concen: 20.859 ug/L
 RT: 2.287 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

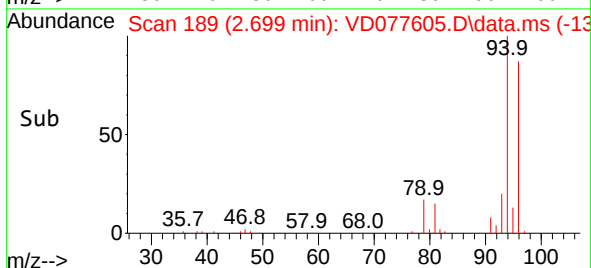
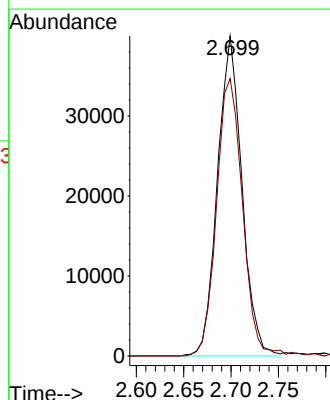
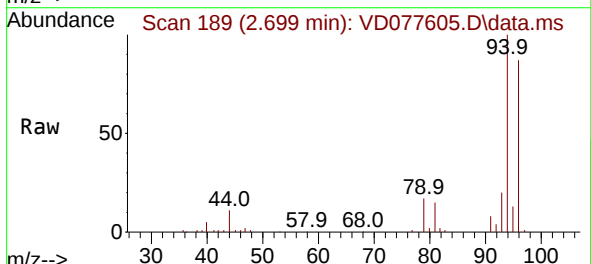
Instrument :
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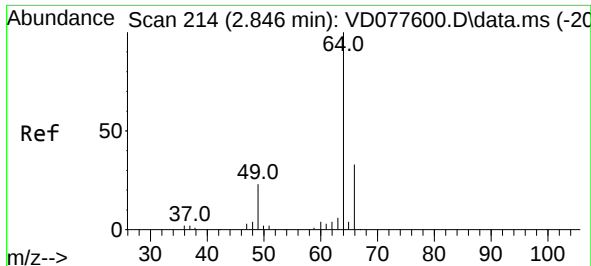
Tgt Ion: 62 Resp: 121460
 Ion Ratio Lower Upper
 62 100
 64 31.1 23.9 44.5



#6
 Bromomethane
 Concen: 23.148 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. -0.006 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

Tgt Ion: 94 Resp: 71759
 Ion Ratio Lower Upper
 94 100
 96 86.7 64.5 119.9





#8

Chloroethane

Concen: 22.019 ug/L

RT: 2.840 min Scan# 214

Delta R.T. -0.006 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

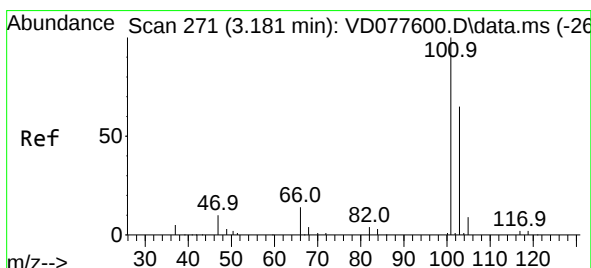
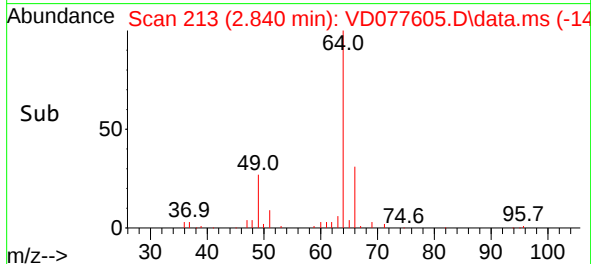
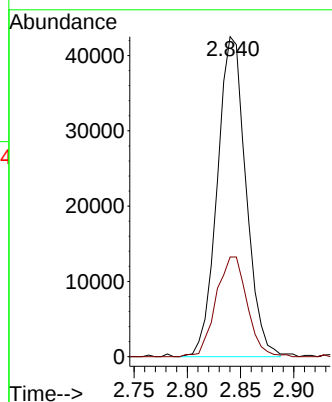
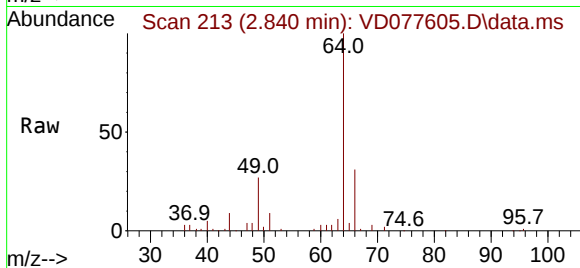
EY1E2MSD

Tgt Ion: 64 Resp: 79707

Ion Ratio Lower Upper

64 100

66 31.1 19.8 36.8



#9

Trichlorofluoromethane

Concen: 21.296 ug/L

RT: 3.181 min Scan# 271

Delta R.T. -0.000 min

Lab File: VD077605.D

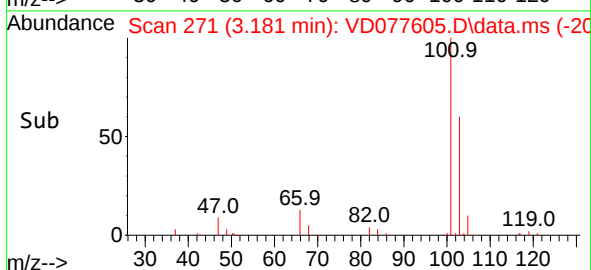
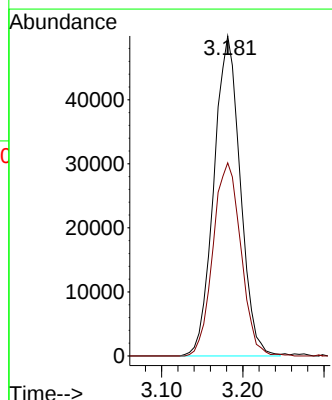
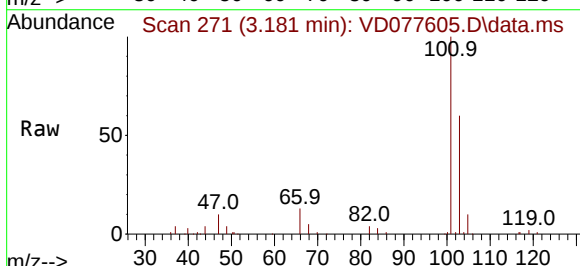
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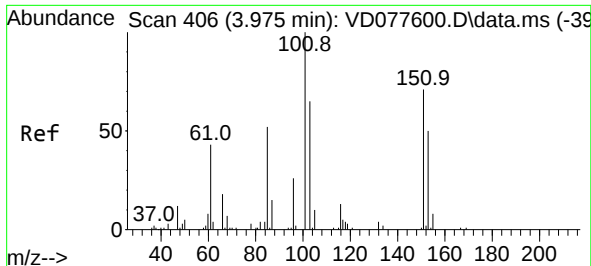
Tgt Ion:101 Resp: 112849

Ion Ratio Lower Upper

101 100

103 63.5 51.9 77.9

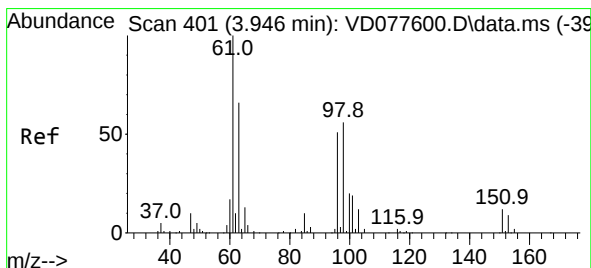
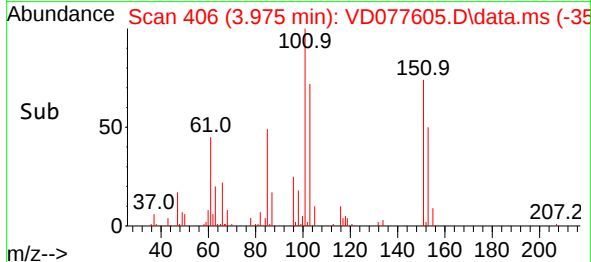
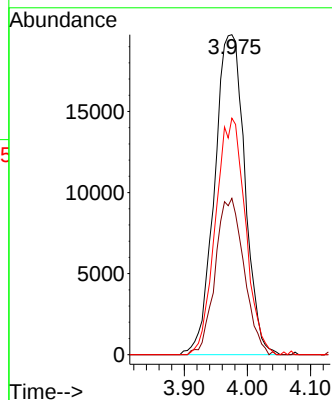
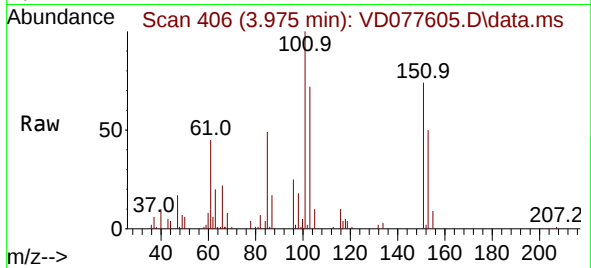




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.168 ug/L
 RT: 3.975 min Scan# 406
 Delta R.T. -0.000 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

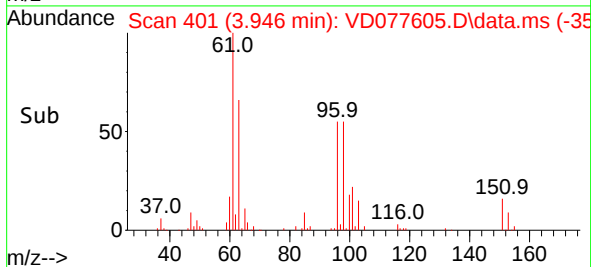
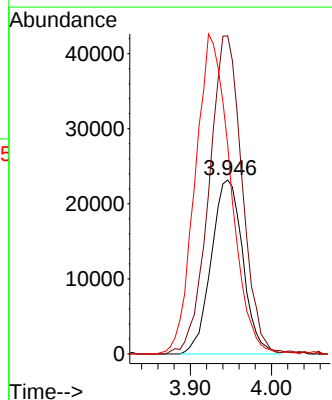
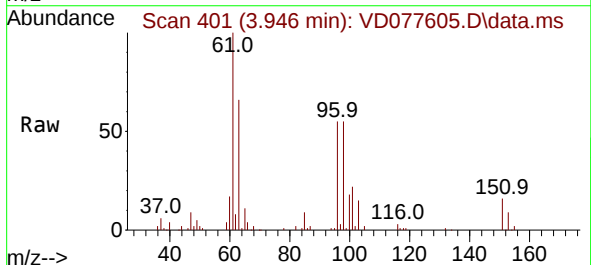
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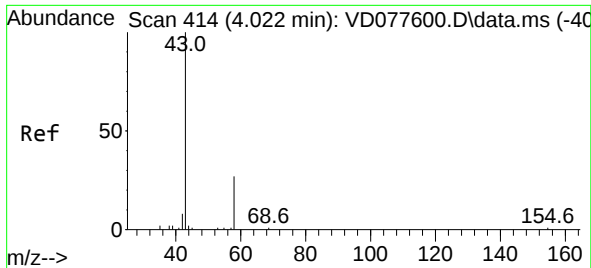
Tgt Ion:101 Resp: 65768
 Ion Ratio Lower Upper
 101 100
 85 45.9 36.8 55.2
 151 72.8 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 19.754 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

Tgt Ion: 96 Resp: 62547
 Ion Ratio Lower Upper
 96 100
 61 182.9 127.5 236.9
 63 120.0 86.4 160.4





#13

Acetone

Concen: 90.377 ug/L

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

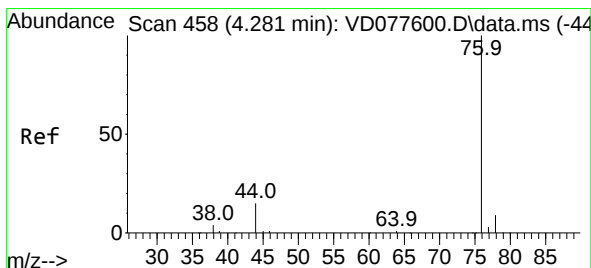
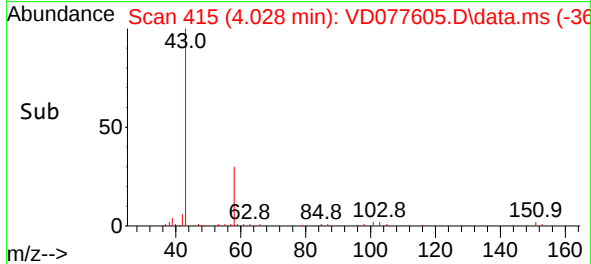
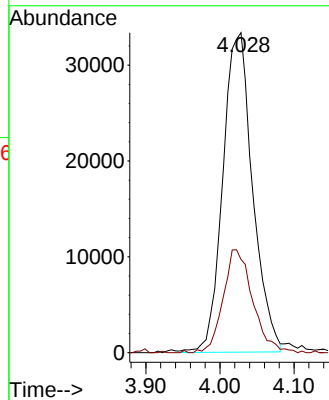
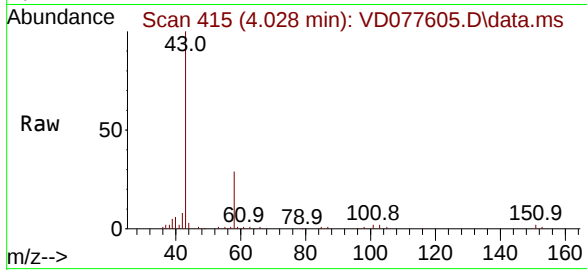
EY1E2MSD

Tgt Ion: 43 Resp: 93160

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.0



#14

Carbon disulfide

Concen: 17.943 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.012 min

Lab File: VD077605.D

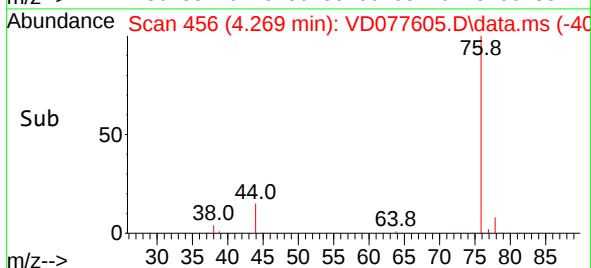
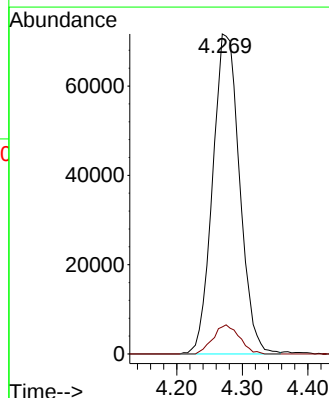
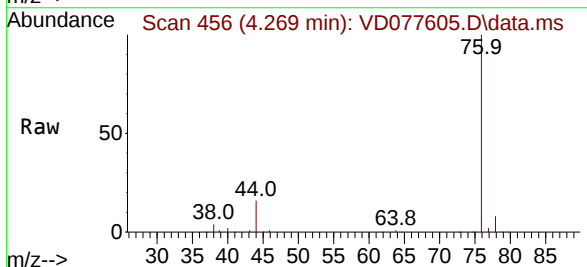
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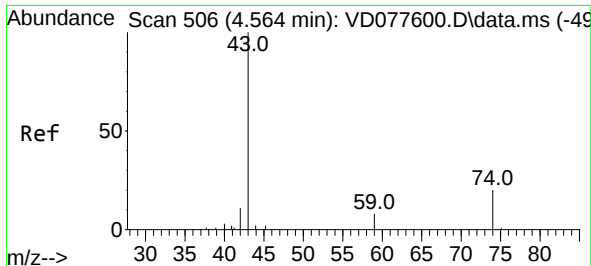
Tgt Ion: 76 Resp: 204577

Ion Ratio Lower Upper

76 100

78 8.4 6.9 10.3

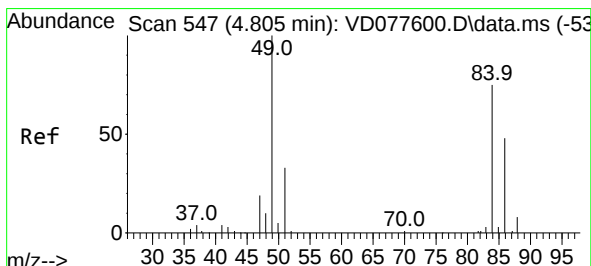
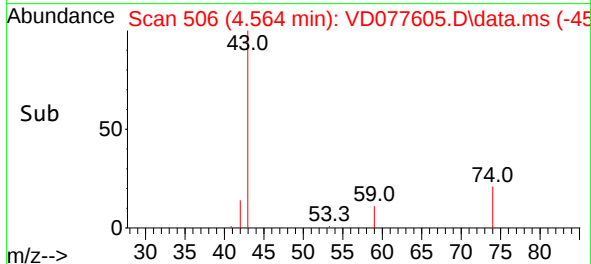
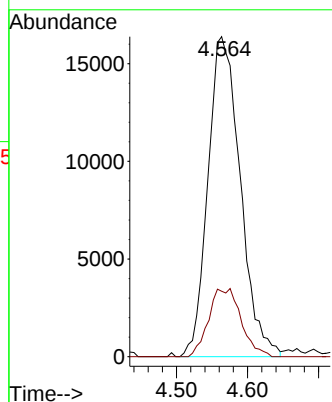
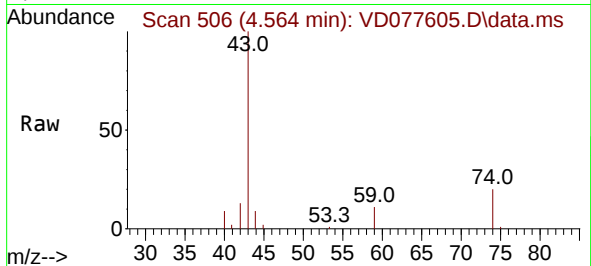




#15
Methyl Acetate
Concen: 30.568 ug/L
RT: 4.564 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

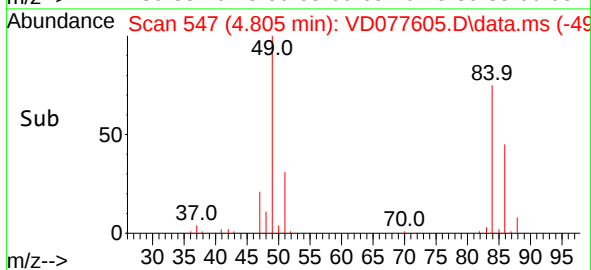
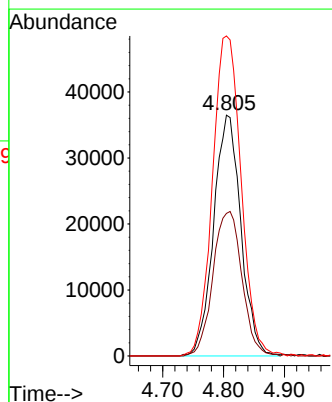
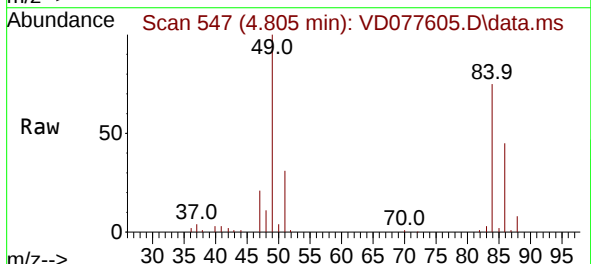
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

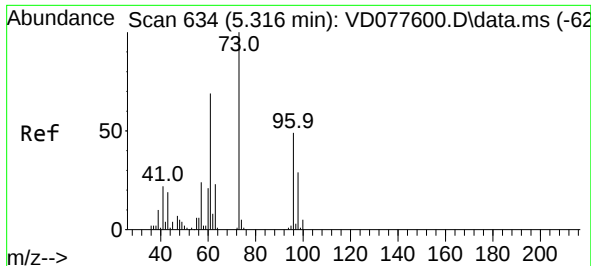
Tgt Ion: 43 Resp: 51837
Ion Ratio Lower Upper
43 100
74 12.1 16.6 24.8#



#16
Methylene chloride
Concen: 30.166 ug/L
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion: 84 Resp: 113403
Ion Ratio Lower Upper
84 100
86 59.2 46.5 86.5
49 132.9 98.3 182.7

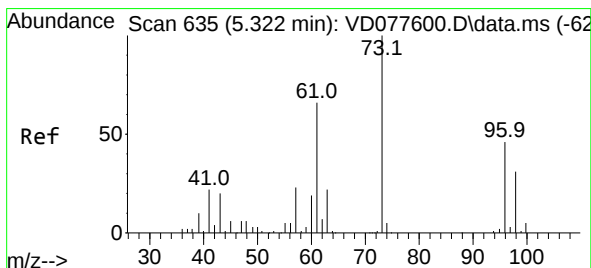
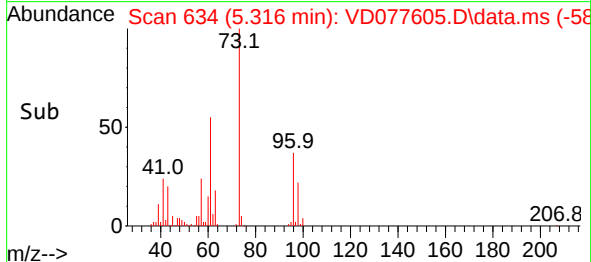
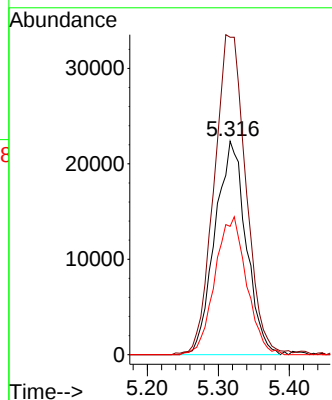
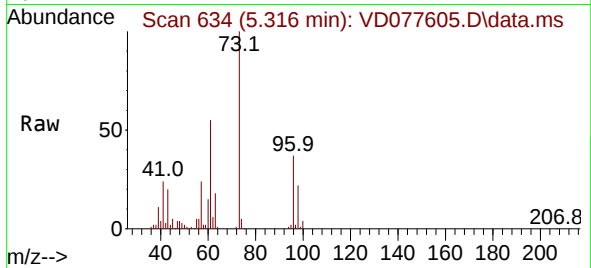




#17
trans-1,2-Dichloroethene
Concen: 20.457 ug/L
RT: 5.316 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

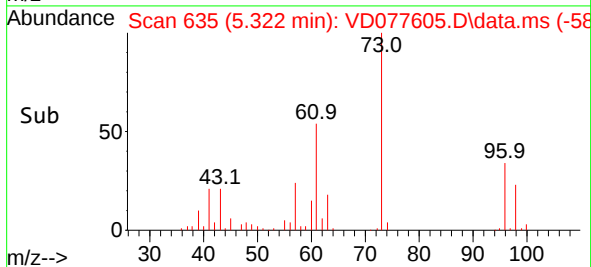
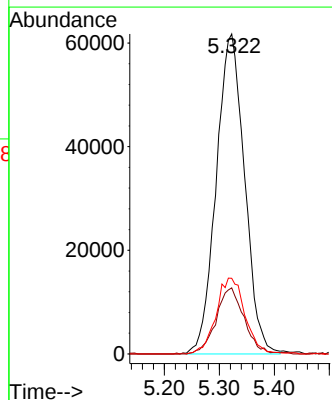
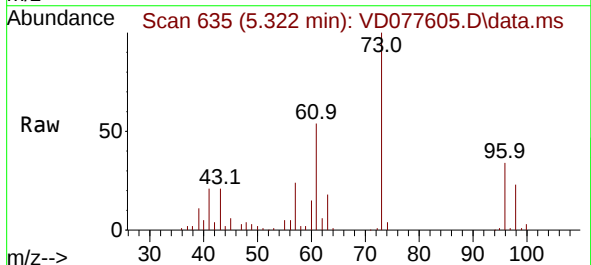
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

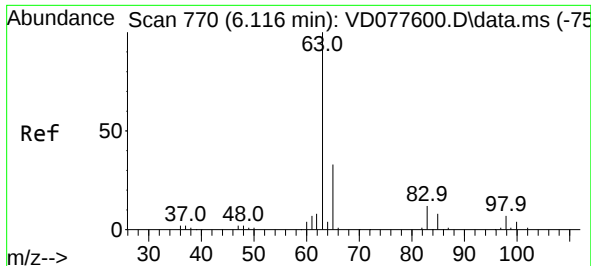
Tgt Ion: 96 Resp: 68136
Ion Ratio Lower Upper
96 100
61 148.7 104.0 193.2
98 60.1 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 28.261 ug/L
RT: 5.322 min Scan# 635
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion: 73 Resp: 220927
Ion Ratio Lower Upper
73 100
43 20.0 16.4 24.6
57 24.2 19.3 28.9





#19

1,1-Dichloroethane

Concen: 23.020 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MSD

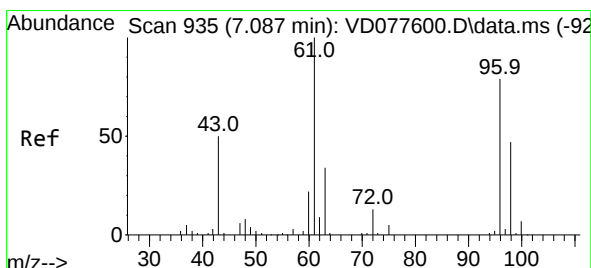
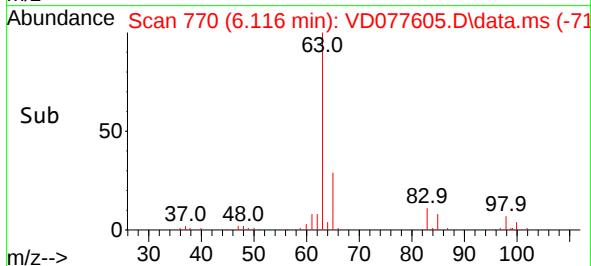
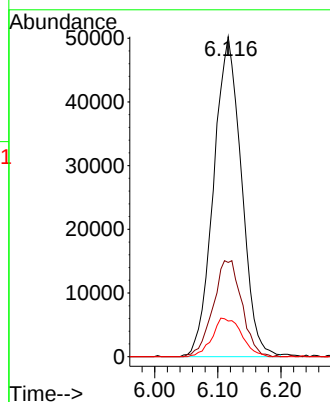
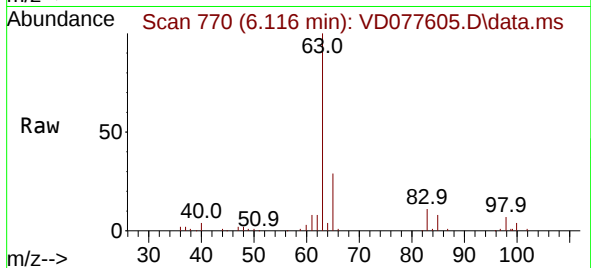
Tgt Ion: 63 Resp: 153836

Ion Ratio Lower Upper

63 100

65 29.5 22.6 42.0

83 11.1 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 23.241 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.006 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

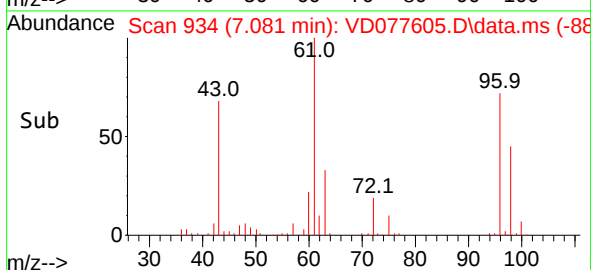
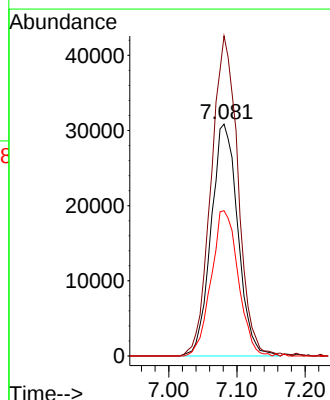
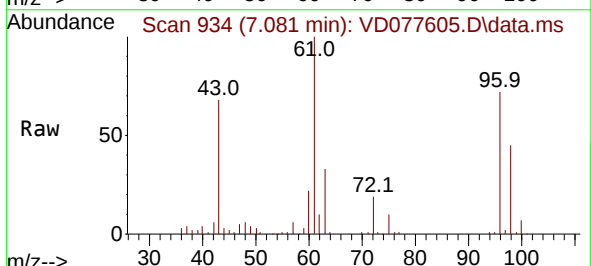
Tgt Ion: 96 Resp: 84100

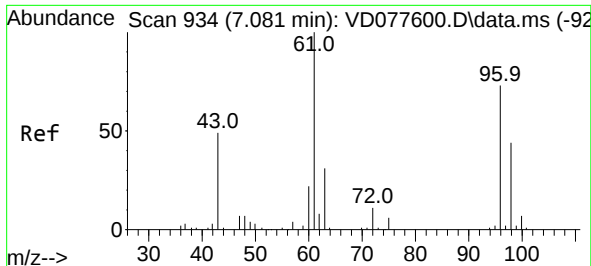
Ion Ratio Lower Upper

96 100

61 138.0 95.0 176.4

98 62.7 43.1 80.1

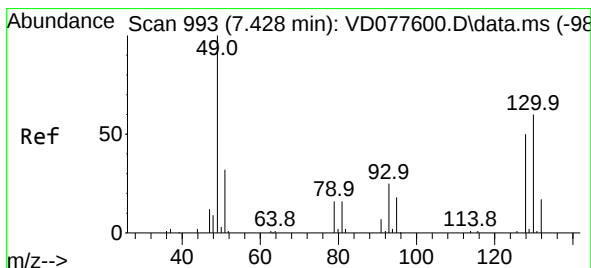
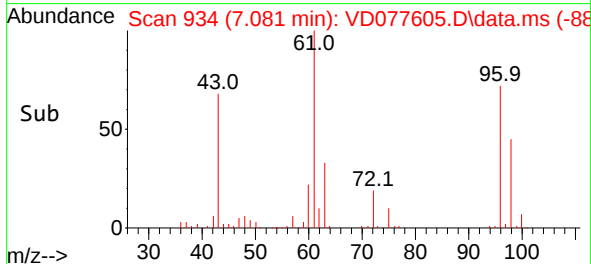
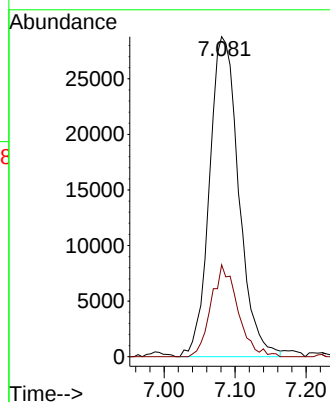
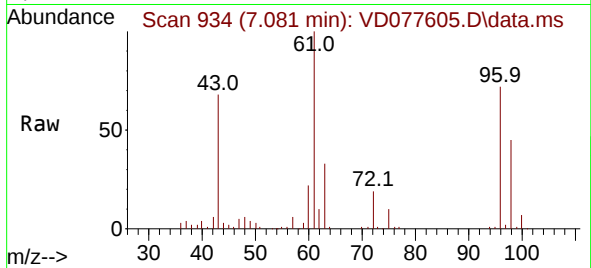




#22
2-Butanone
Concen: 66.662 ug/L
RT: 7.081 min Scan# 911
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

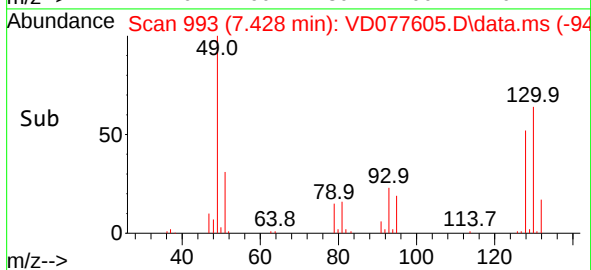
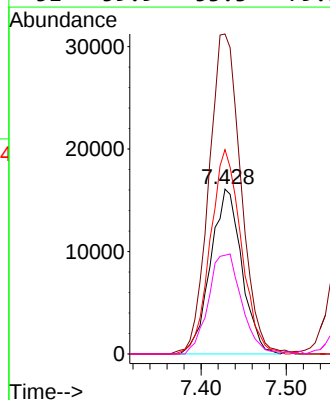
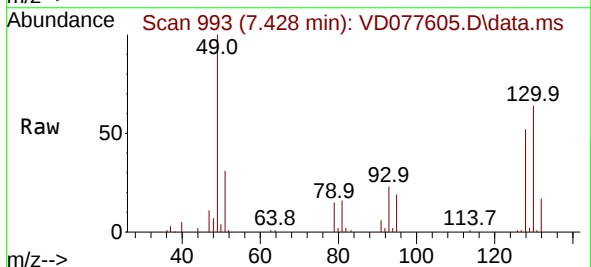
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

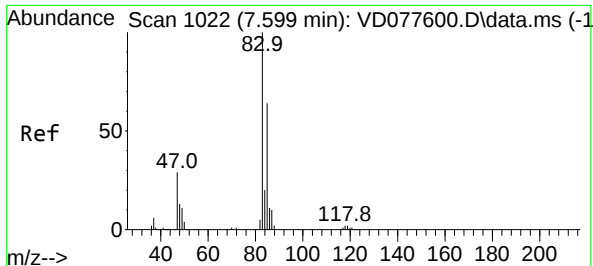
Tgt Ion: 43 Resp: 82678
Ion Ratio Lower Upper
43 100
72 25.5 12.8 38.4



#23
Bromochloromethane
Concen: 28.072 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion: 128 Resp: 40817
Ion Ratio Lower Upper
128 100
49 194.1 146.7 272.5
130 124.0 83.2 154.6
51 59.9 53.3 79.9





#25

Chloroform

Concen: 24.335 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

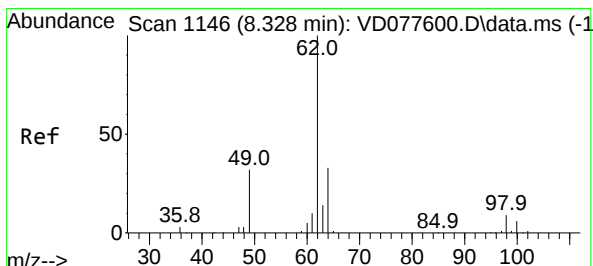
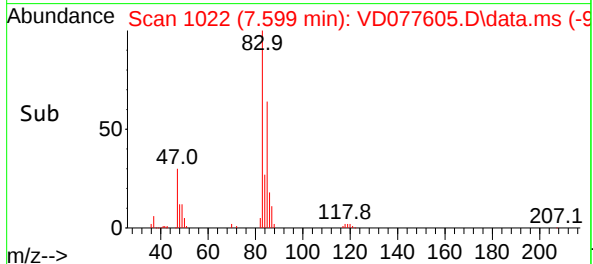
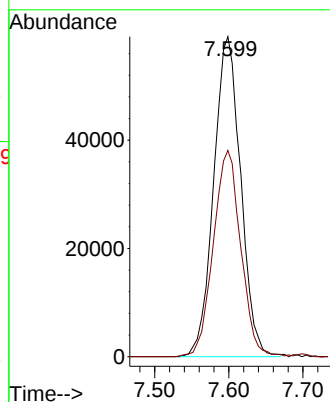
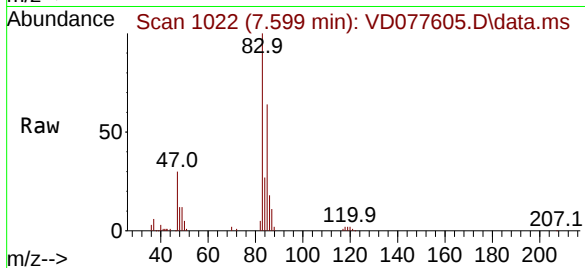
EY1E2MSD

Tgt Ion: 83 Resp: 149390

Ion Ratio Lower Upper

83 100

85 64.5 45.9 85.3



#27

1,2-Dichloroethane

Concen: 27.579 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD077605.D

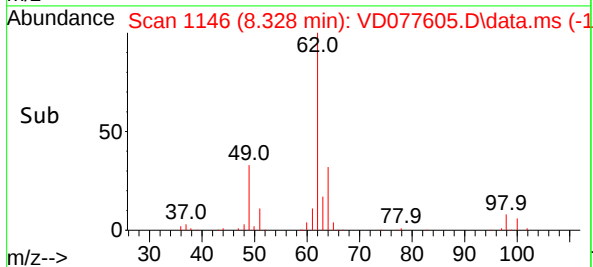
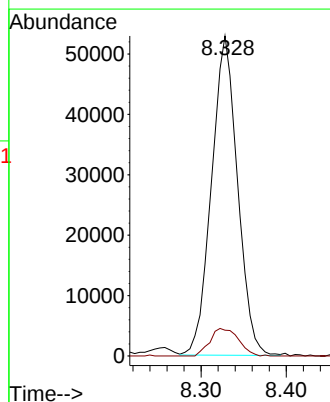
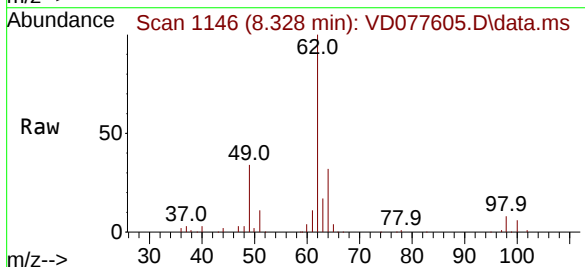
Acq: 17 Nov 2023 11:28

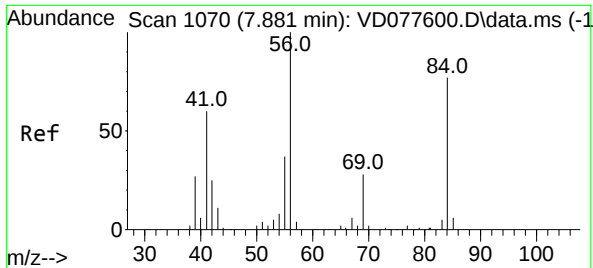
Tgt Ion: 62 Resp: 112232

Ion Ratio Lower Upper

62 100

98 8.1 8.0 12.0





#29

Cyclohexane

Concen: 16.494 ug/L

RT: 7.887 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MSD

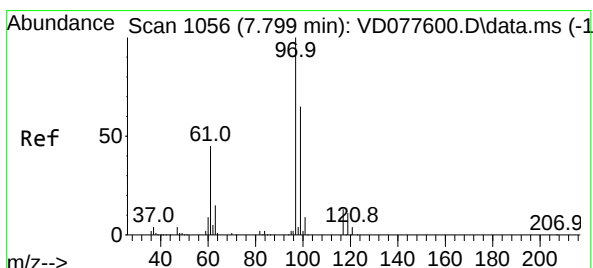
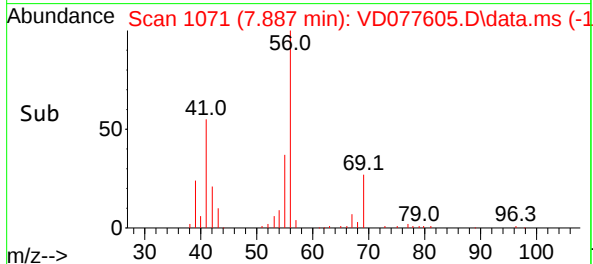
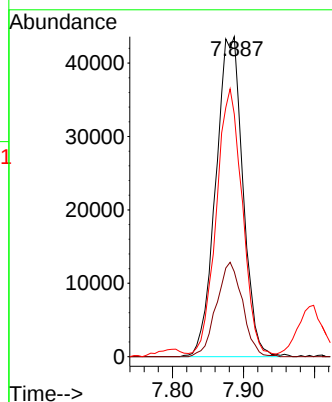
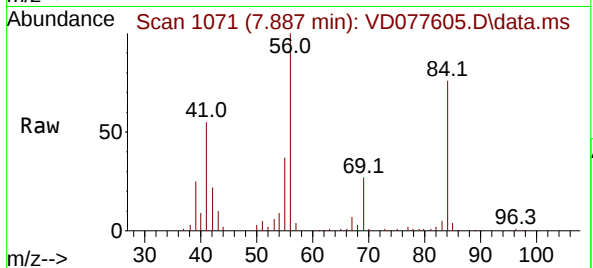
Tgt Ion: 56 Resp: 115333

Ion Ratio Lower Upper

56 100

69 28.3 22.6 33.8

84 80.9 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 20.542 ug/L

RT: 7.799 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

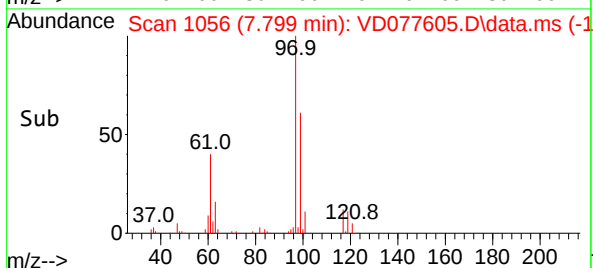
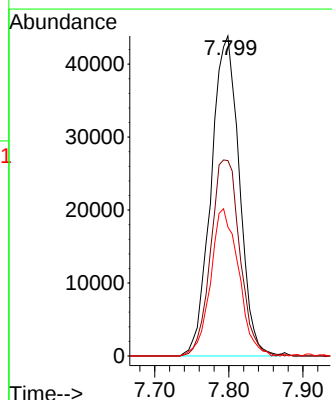
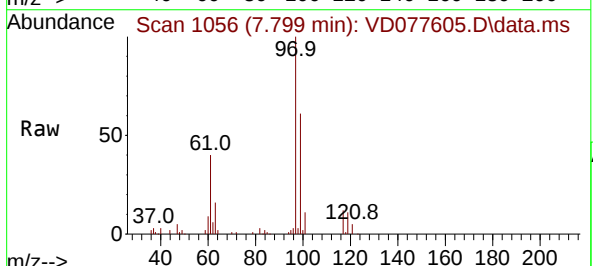
Tgt Ion: 97 Resp: 115816

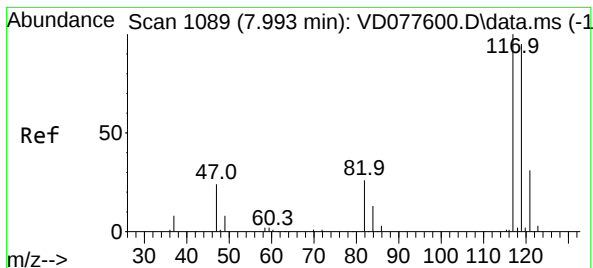
Ion Ratio Lower Upper

97 100

99 63.1 51.4 77.2

61 45.7 38.1 57.1





#31

Carbon tetrachloride

Concen: 19.788 ug/L

RT: 7.993 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

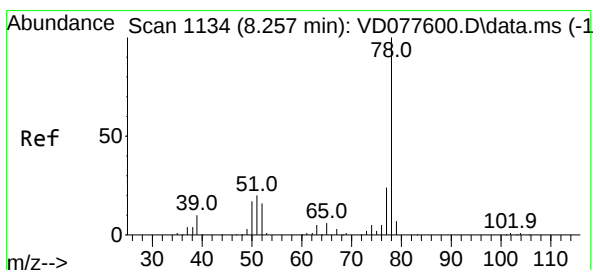
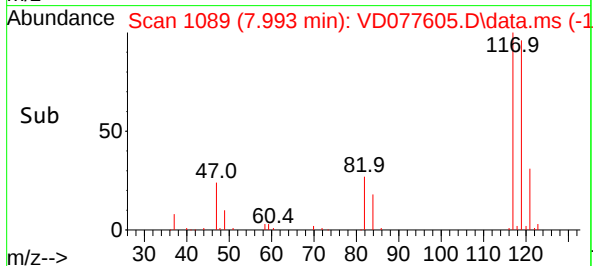
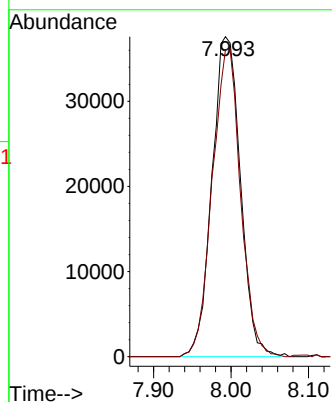
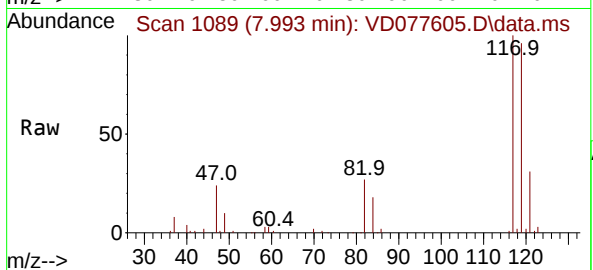
EY1E2MSD

Tgt Ion:117 Resp: 95877

Ion Ratio Lower Upper

117 100

119 95.8 75.4 113.0



#33

Benzene

Concen: 20.988 ug/L

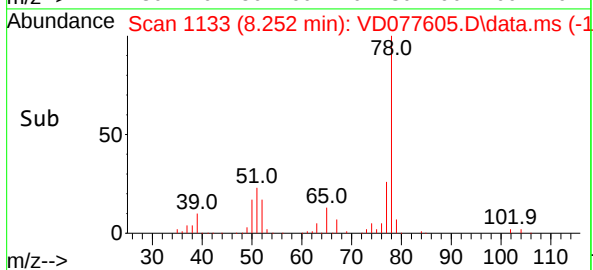
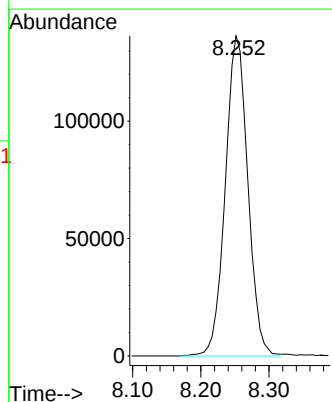
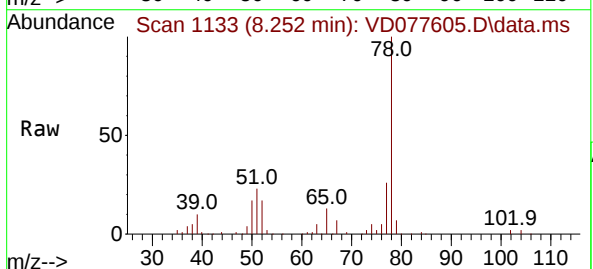
RT: 8.252 min Scan# 1133

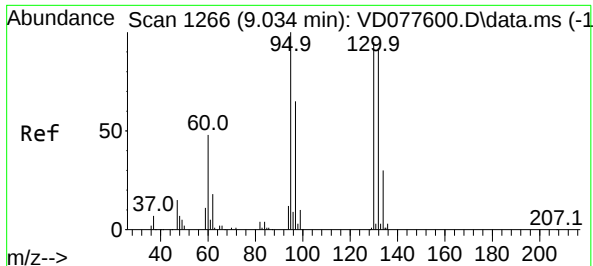
Delta R.T. -0.006 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Tgt Ion: 78 Resp: 313454

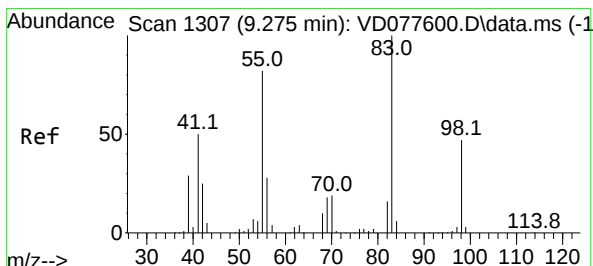
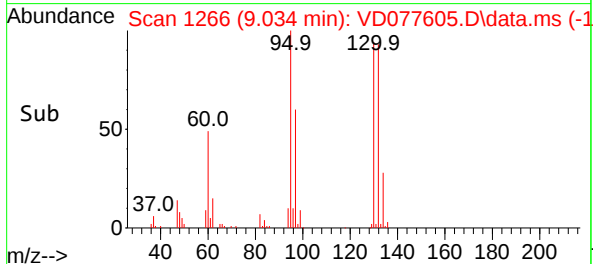
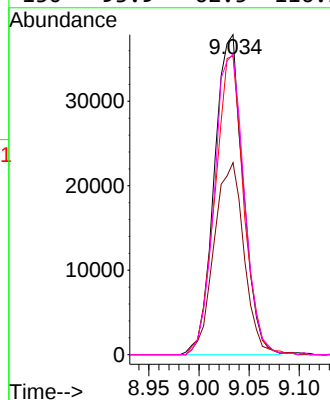
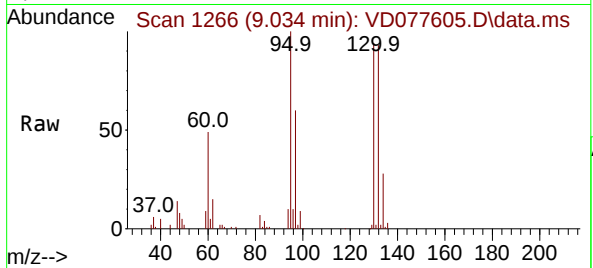




#34
Trichloroethene
Concen: 20.394 ug/L
RT: 9.034 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

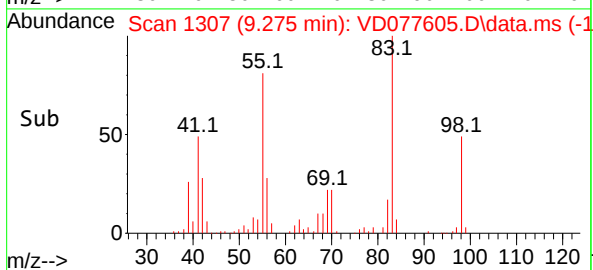
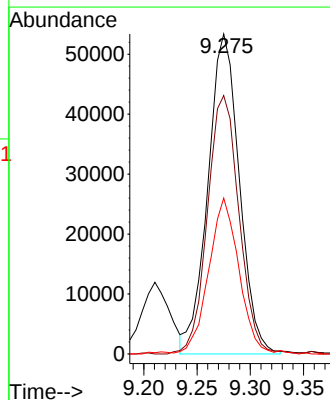
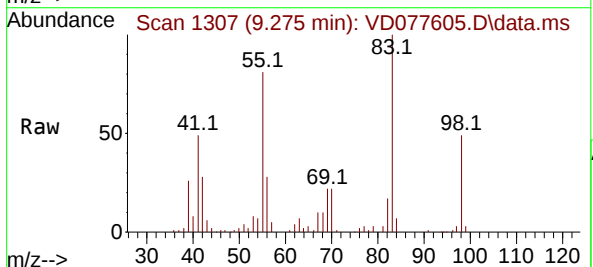
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

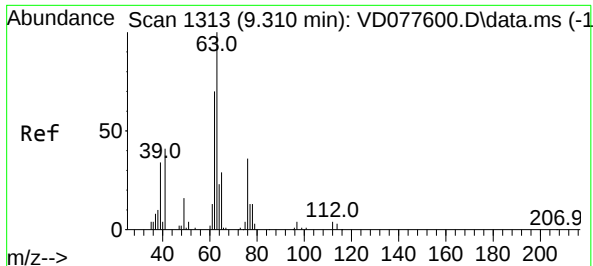
Tgt Ion:	95	Resp:	75473
Ion	Ratio	Lower	Upper
95	100		
97	60.0	42.4	78.6
132	93.4	59.4	110.2
130	93.9	62.5	116.1



#35
Methylcyclohexane
Concen: 16.403 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion:	83	Resp:	109543
Ion	Ratio	Lower	Upper
83	100		
55	81.1	66.5	99.7
98	46.6	37.4	56.2





#37

1,2-Dichloropropane

Concen: 23.030 ug/L

RT: 9.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

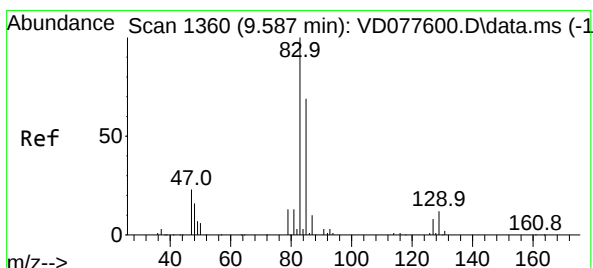
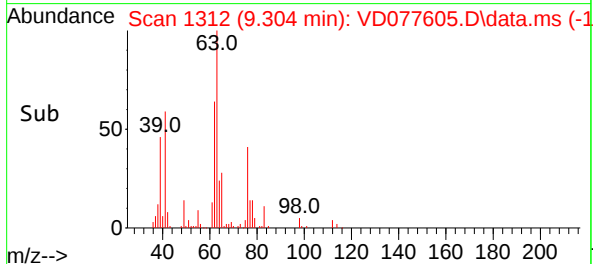
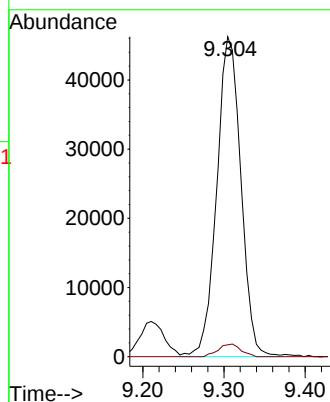
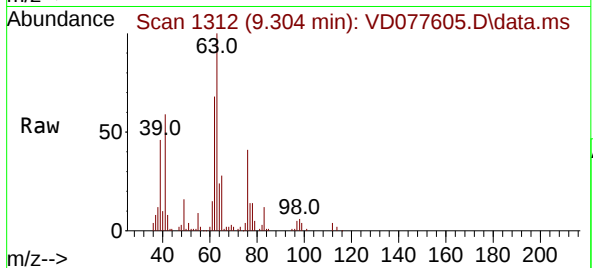
EY1E2MSD

Tgt Ion: 63 Resp: 95615

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#38

Bromodichloromethane

Concen: 24.077 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

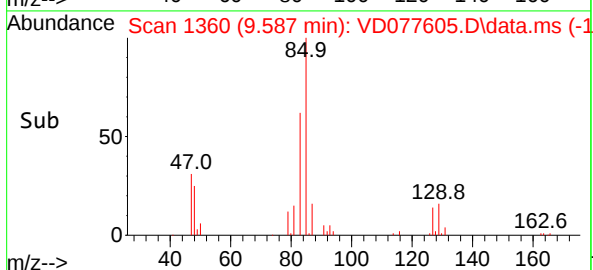
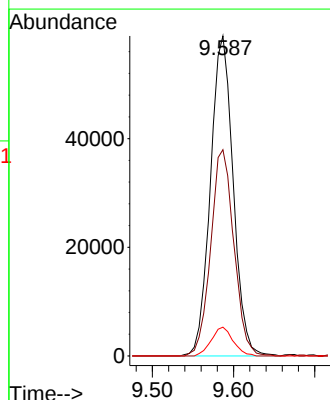
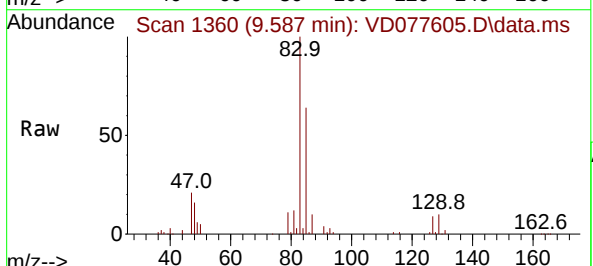
Tgt Ion: 83 Resp: 114664

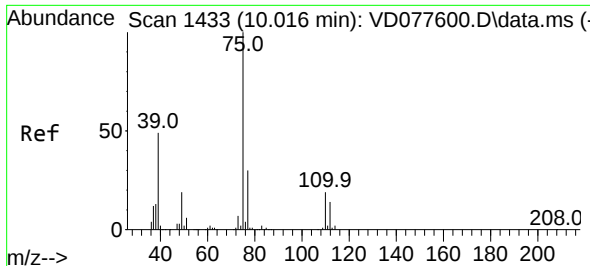
Ion Ratio Lower Upper

83 100

85 64.5 42.4 78.8

127 10.0 6.4 9.6#

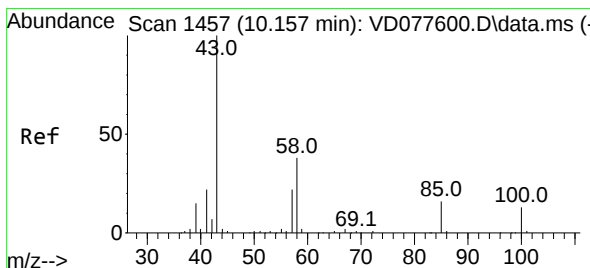
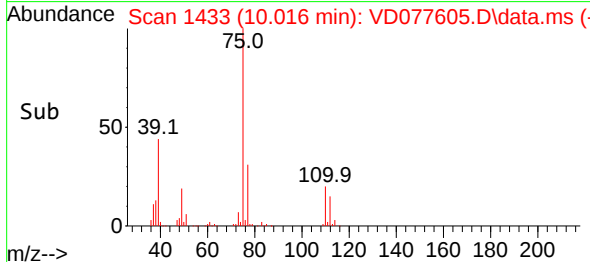
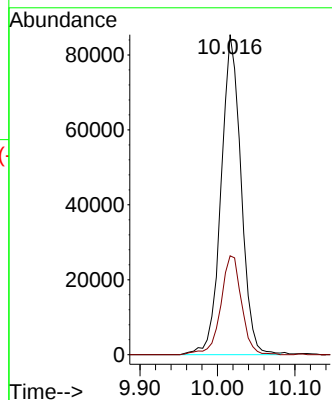
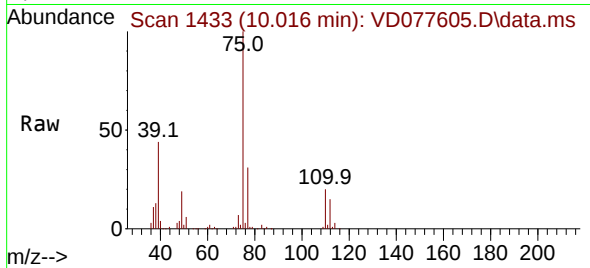




#39
 cis-1,3-Dichloropropene
 Concen: 24.006 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

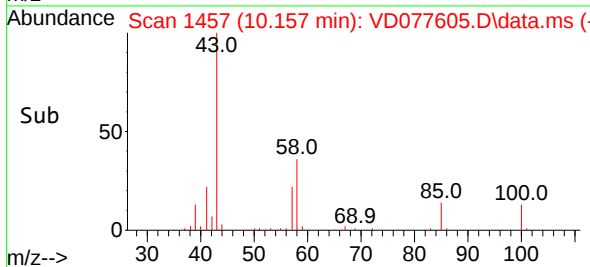
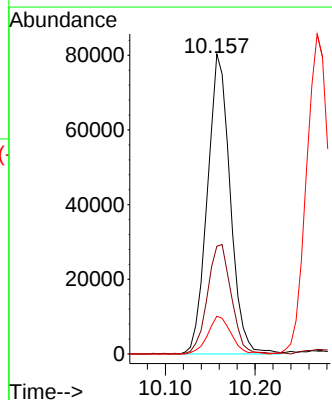
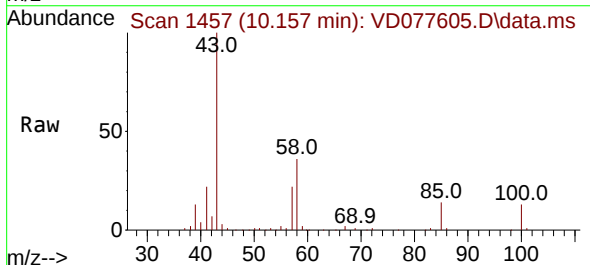
Instrument :
 MSVOA_D
 ClientSampleId :
 EY1E2MSD

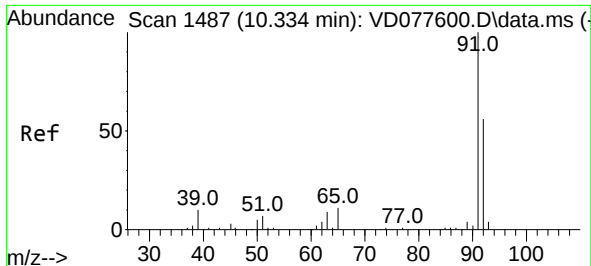
Tgt Ion: 75 Resp: 153158
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 56.138 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. -0.000 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

Tgt Ion: 43 Resp: 142036
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.8 44.8
 100 12.6 9.5 14.3

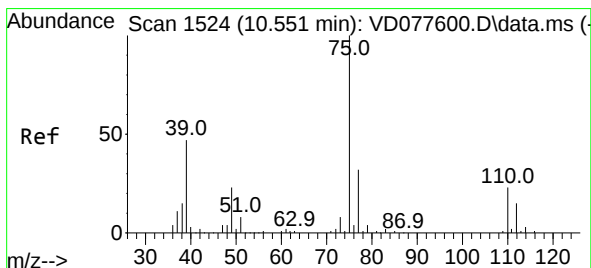
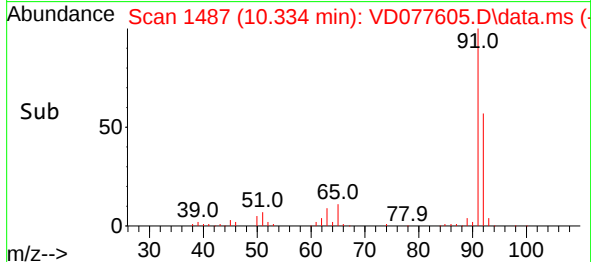
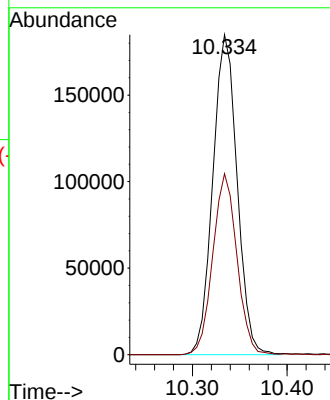
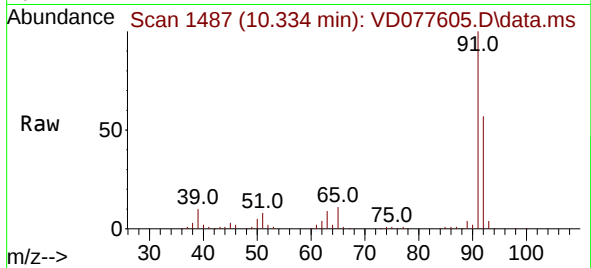




#42
Toluene
Concen: 21.000 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

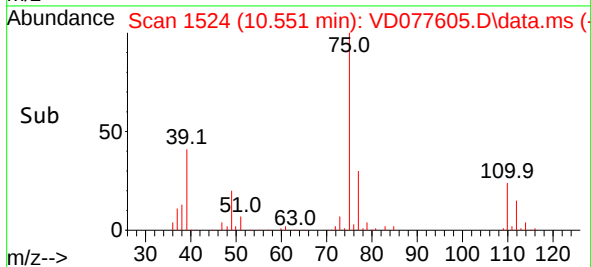
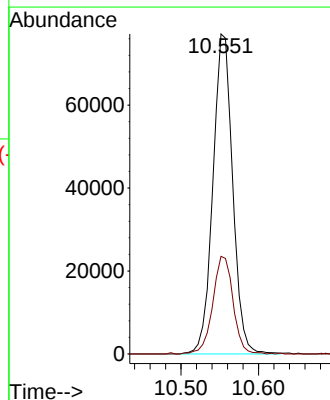
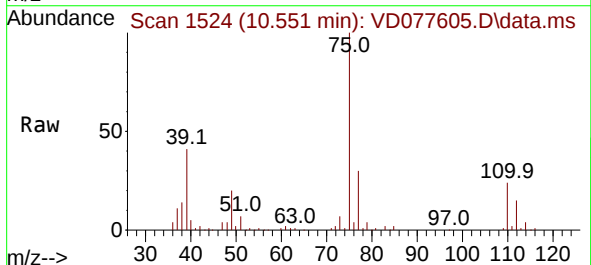
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

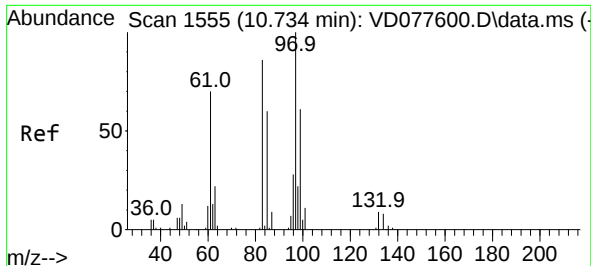
Tgt Ion: 91 Resp: 329282
Ion Ratio Lower Upper
91 100
92 56.5 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 25.930 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion: 75 Resp: 136697
Ion Ratio Lower Upper
75 100
77 30.5 22.3 41.5

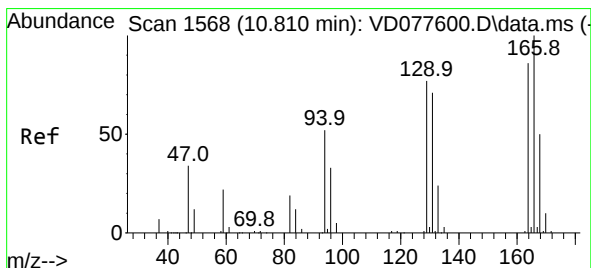
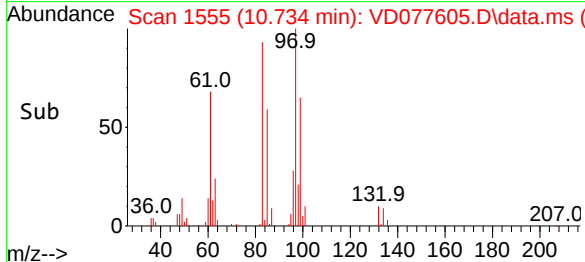
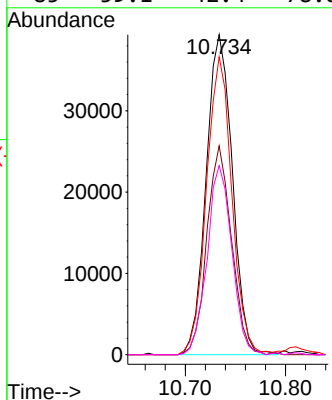
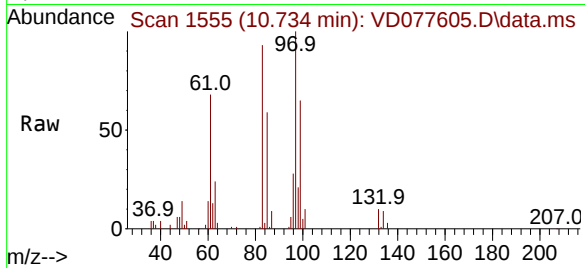




#45
1,1,2-Trichloroethane
Concen: 28.225 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

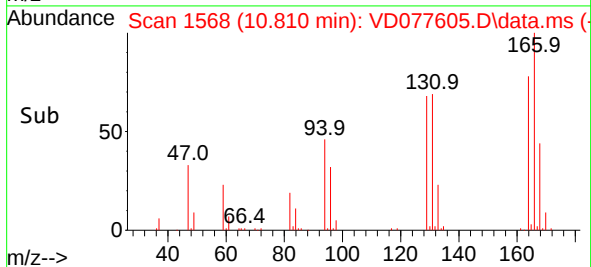
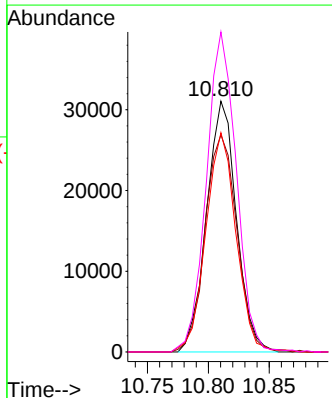
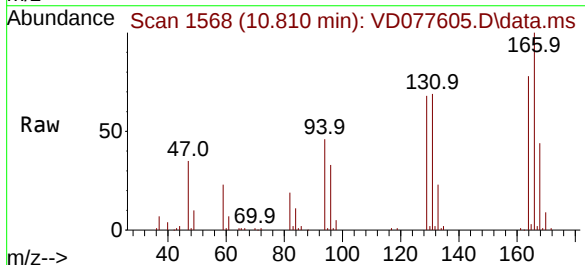
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

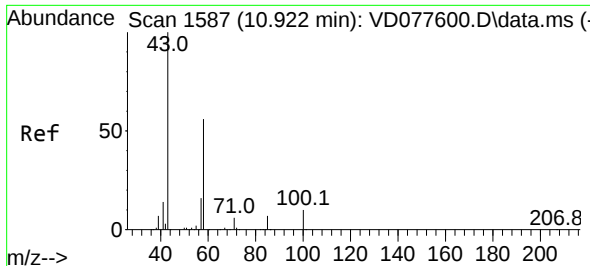
Tgt Ion:	97	Resp:	71632
Ion	Ratio	Lower	Upper
97	100		
99	65.3	43.5	80.7
83	93.0	63.1	117.3
85	59.1	42.4	78.8



#46
Tetrachloroethene
Concen: 19.509 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion:	164	Resp:	53120
Ion	Ratio	Lower	Upper
164	100		
129	86.6	60.6	112.6
131	87.4	61.6	114.4
166	127.6	85.4	158.6

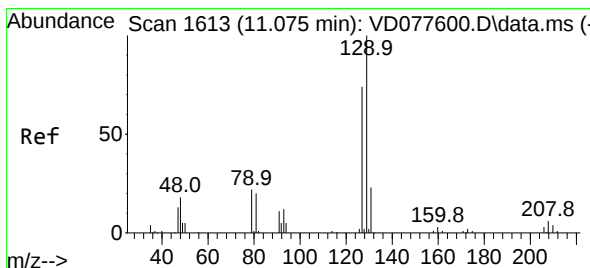
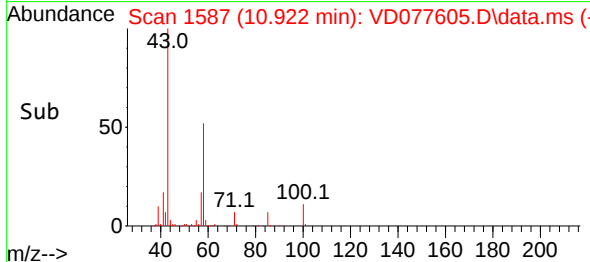
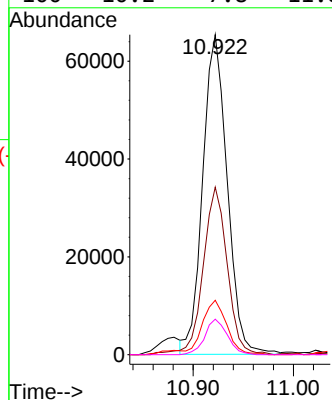
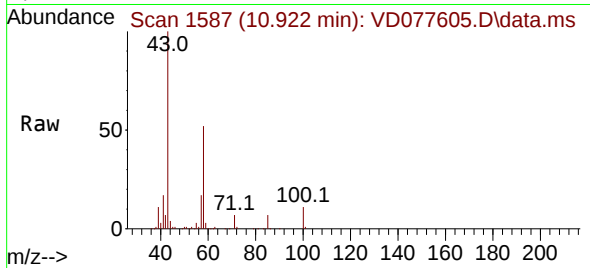




#48
2-Hexanone
Concen: 55.364 ug/L
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

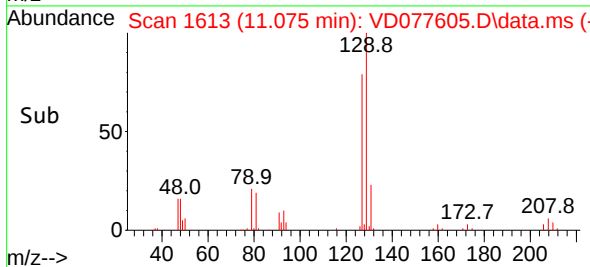
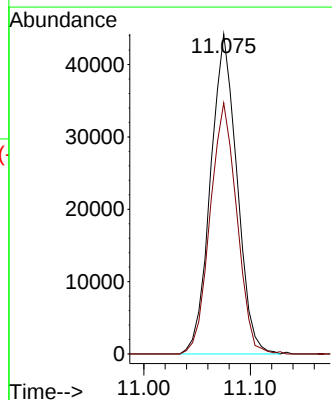
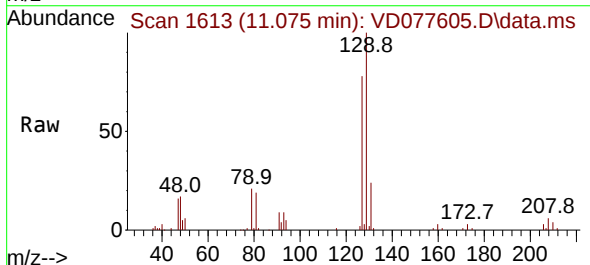
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

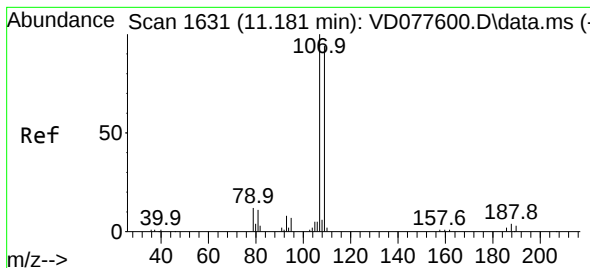
Tgt Ion: 43 Resp: 111031
Ion Ratio Lower Upper
43 100
58 51.5 40.8 61.2
57 16.0 13.7 20.5
100 10.2 7.8 11.8



#49
Dibromochloromethane
Concen: 26.451 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion: 129 Resp: 76254
Ion Ratio Lower Upper
129 100
127 78.4 54.9 102.1





#50

1,2-Dibromoethane

Concen: 27.669 ug/L

RT: 11.181 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MSD

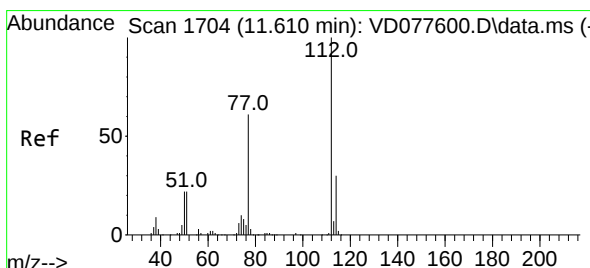
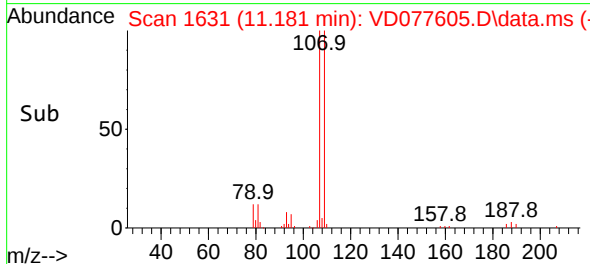
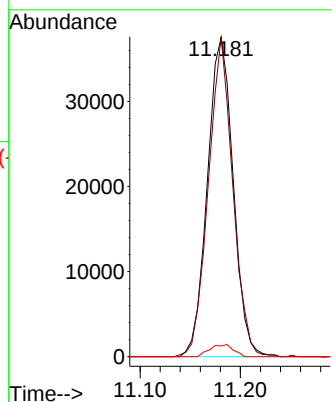
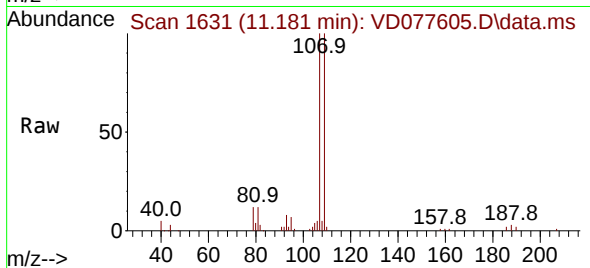
Tgt Ion:107 Resp: 67152

Ion Ratio Lower Upper

107 100

109 100.3 64.8 120.3

188 3.3 3.2 4.8



#51

Chlorobenzene

Concen: 22.212 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. -0.006 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

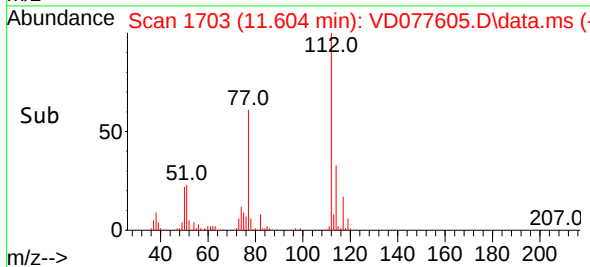
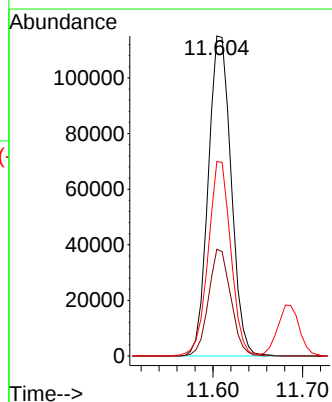
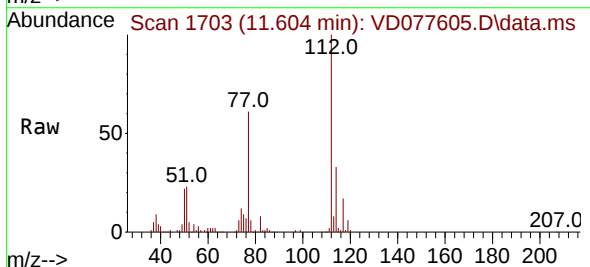
Tgt Ion:112 Resp: 204046

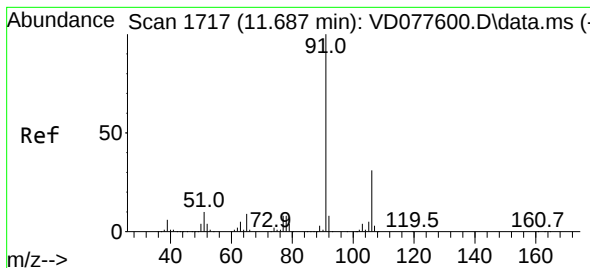
Ion Ratio Lower Upper

112 100

114 33.4 22.4 41.6

77 60.7 49.6 74.4

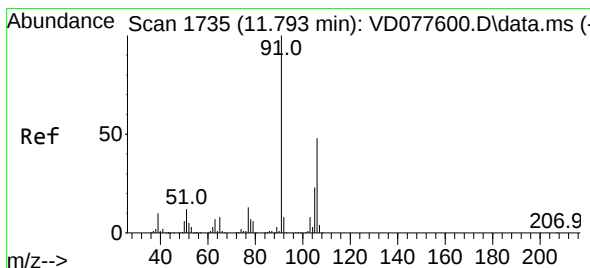
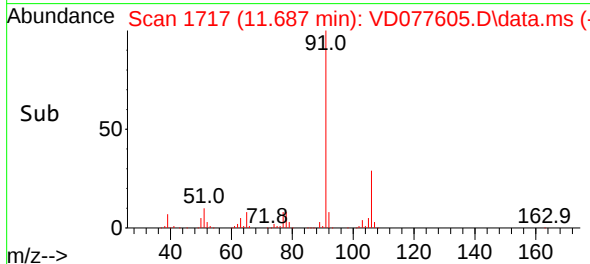
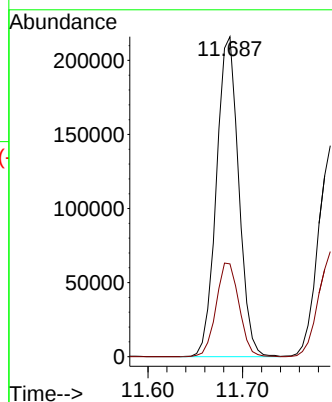
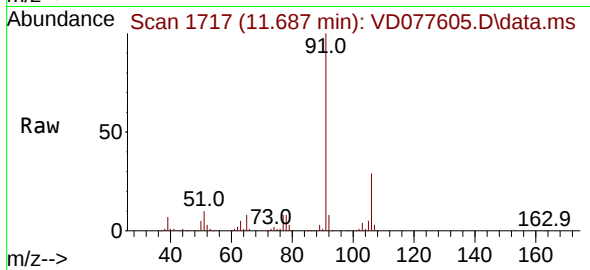




#52
Ethylbenzene
Concen: 20.499 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

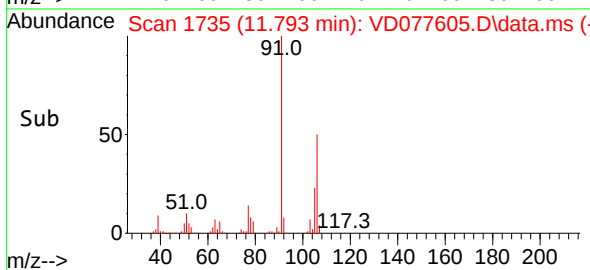
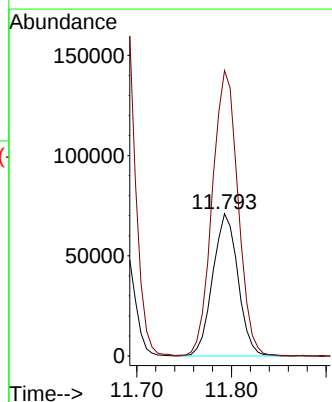
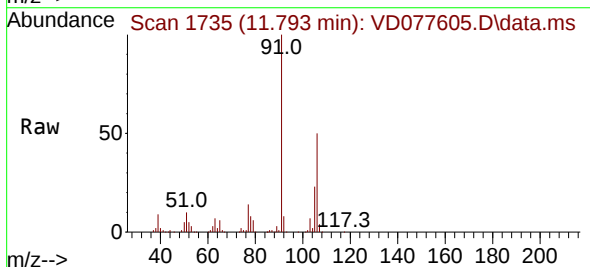
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

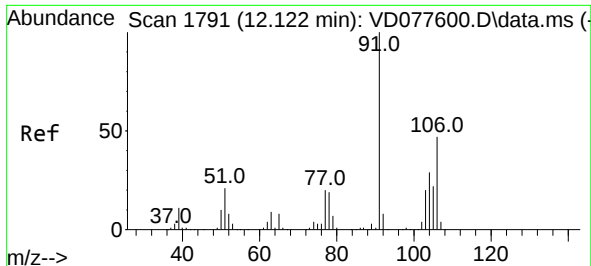
Tgt Ion: 91 Resp: 353675
Ion Ratio Lower Upper
91 100
106 29.0 22.0 40.8



#53
m,p-Xylene
Concen: 20.924 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion: 106 Resp: 131365
Ion Ratio Lower Upper
106 100
91 200.7 146.7 272.4

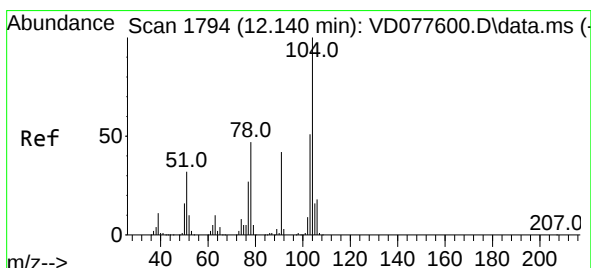
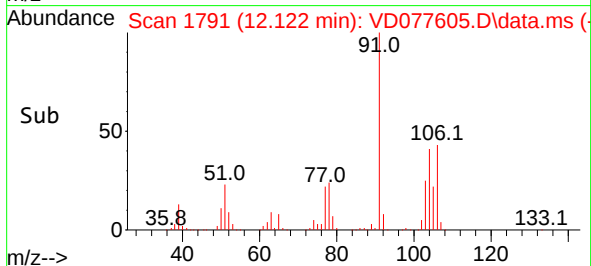
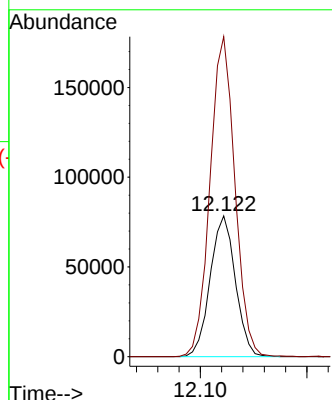
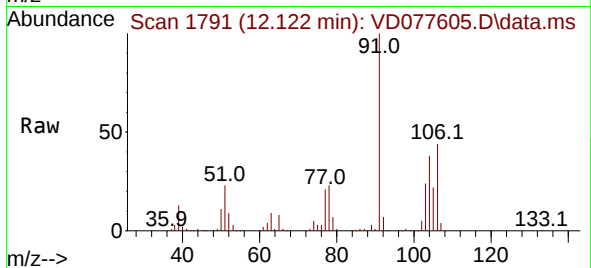




#54
o-Xylene
Concen: 21.435 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

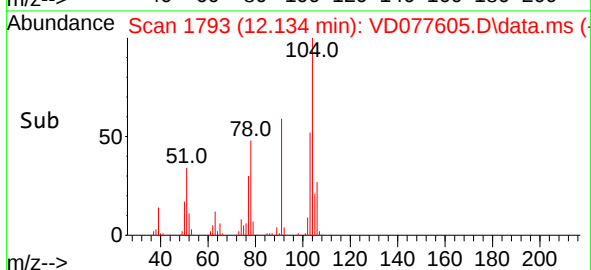
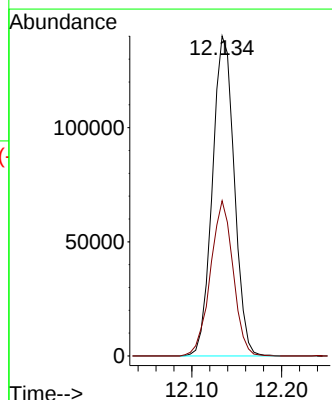
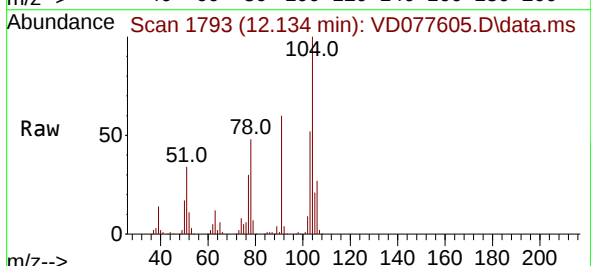
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

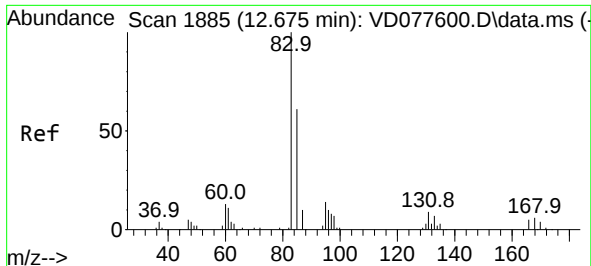
Tgt Ion:106 Resp: 128892
Ion Ratio Lower Upper
106 100
91 227.3 158.5 294.4



#55
Styrene
Concen: 22.619 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion:104 Resp: 237480
Ion Ratio Lower Upper
104 100
78 48.5 34.9 64.9





#57

1,1,2,2-Tetrachloroethane

Concen: 29.438 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MSD

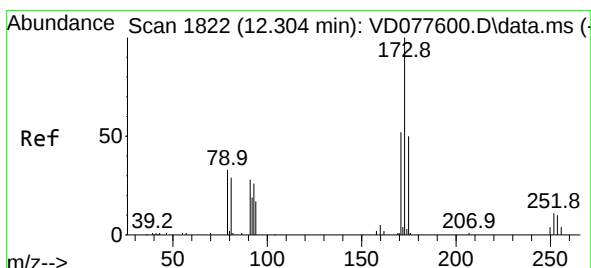
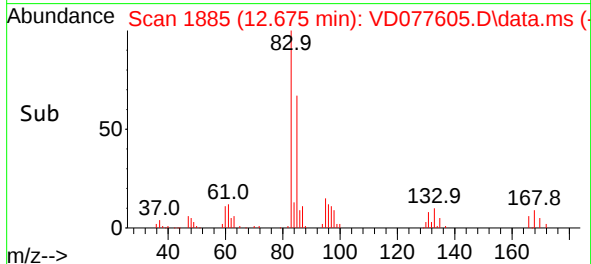
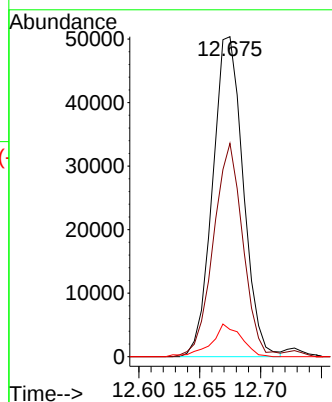
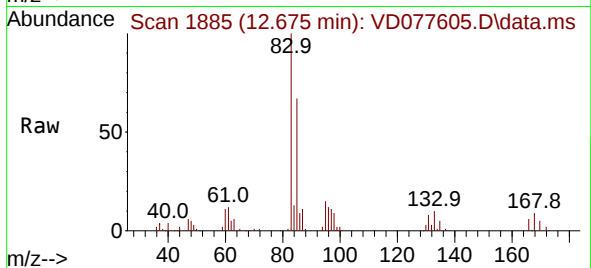
Tgt Ion: 83 Resp: 88011

Ion Ratio Lower Upper

83 100

85 66.7 44.9 83.3

131 8.5 7.2 10.8



#59

Bromoform

Concen: 28.425 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. -0.006 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

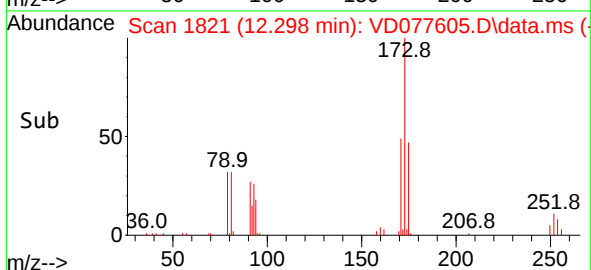
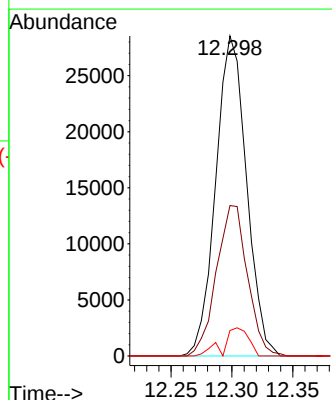
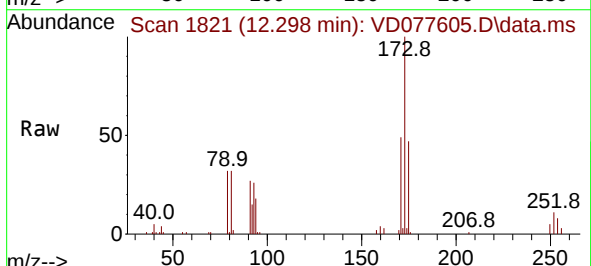
Tgt Ion: 173 Resp: 50191

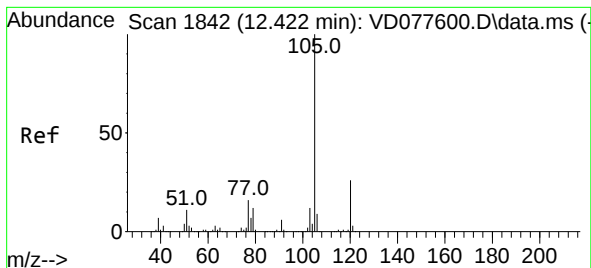
Ion Ratio Lower Upper

173 100

175 47.4 38.2 57.2

254 5.7 7.1 10.7#





#60

Isopropylbenzene

Concen: 19.980 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MSD

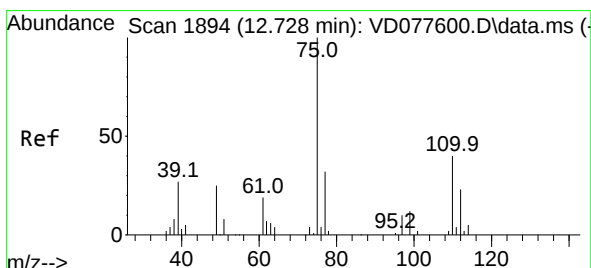
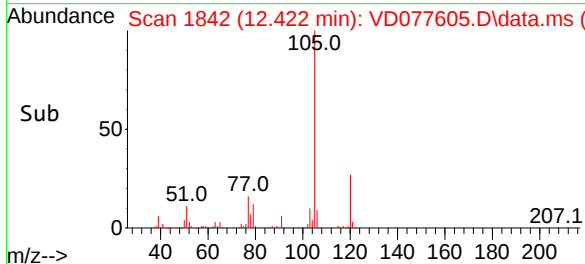
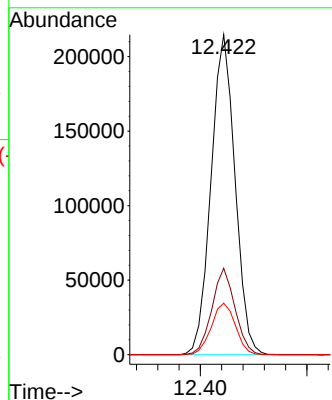
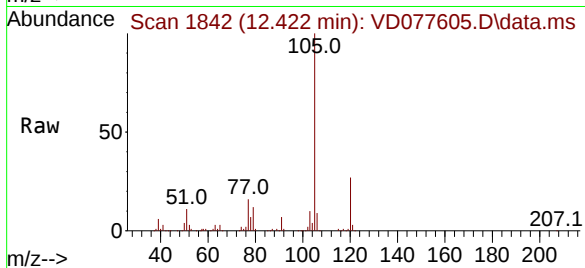
Tgt Ion:105 Resp: 334709

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

77 16.2 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 27.985 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

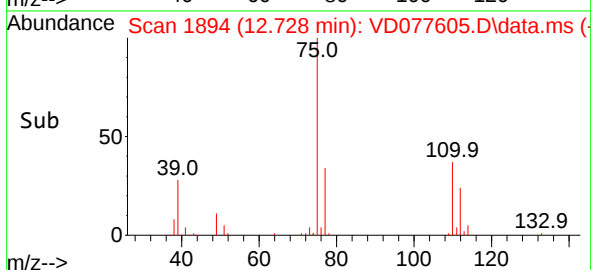
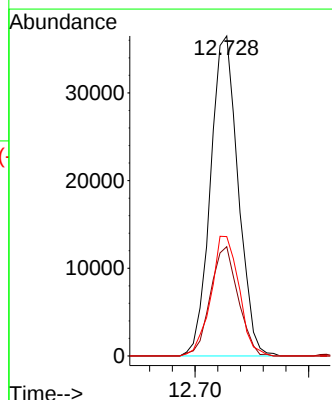
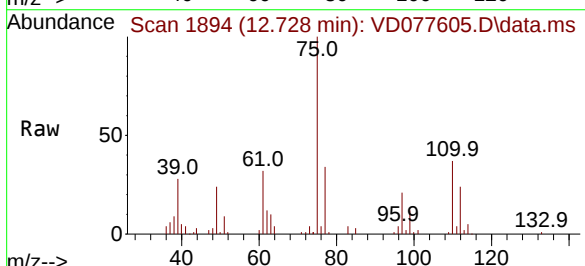
Tgt Ion: 75 Resp: 61736

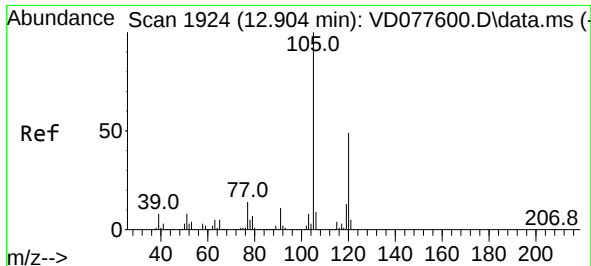
Ion Ratio Lower Upper

75 100

77 34.3 25.6 38.4

110 38.0 29.6 44.4

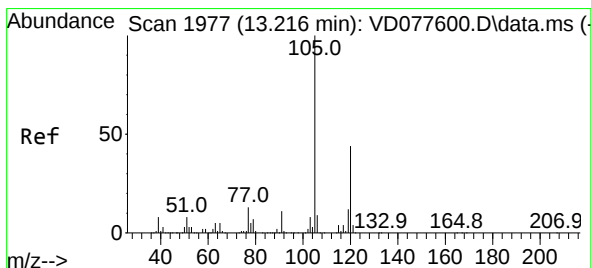
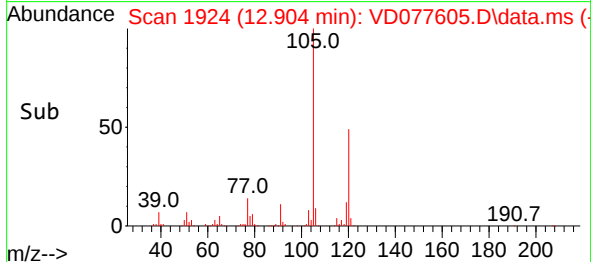
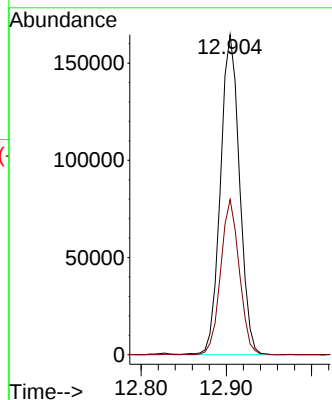
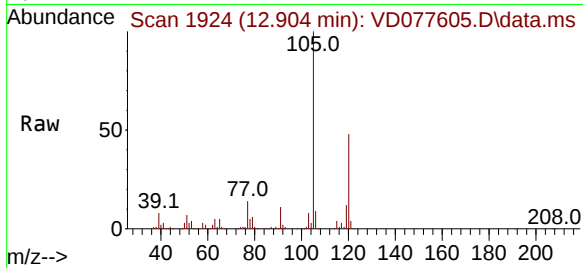




#62
1,3,5-Trimethylbenzene
Concen: 20.120 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

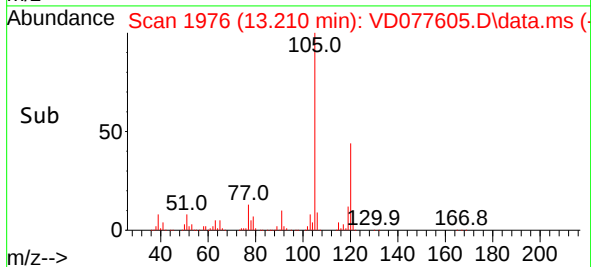
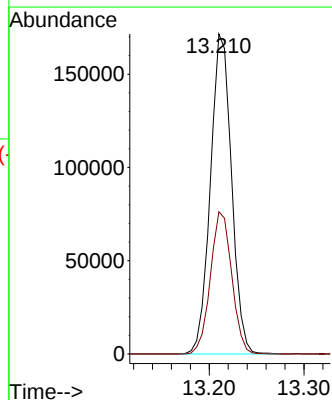
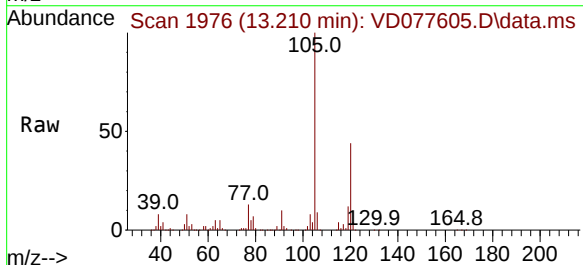
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

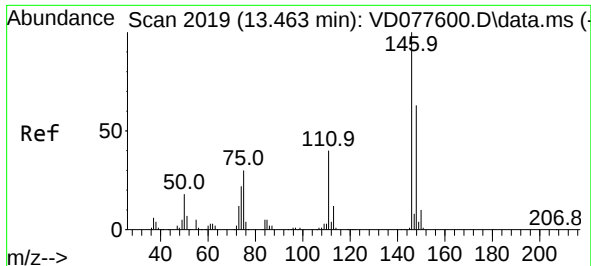
Tgt Ion:105 Resp: 255798
Ion Ratio Lower Upper
105 100
120 47.3 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 20.613 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion:105 Resp: 265474
Ion Ratio Lower Upper
105 100
120 44.8 35.6 53.4

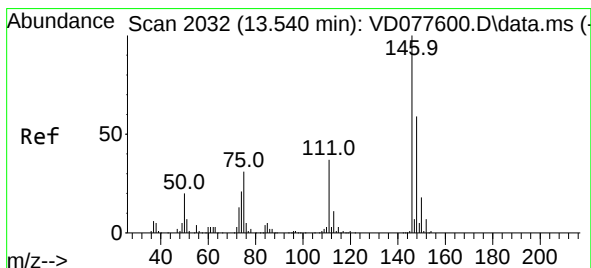
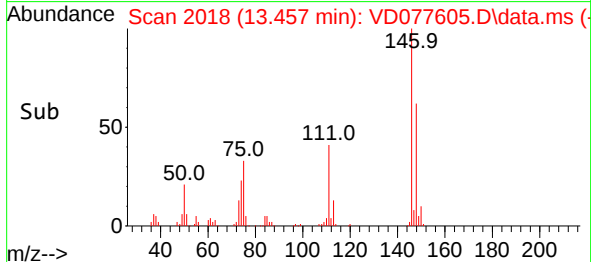
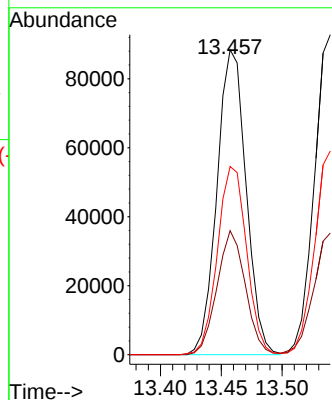
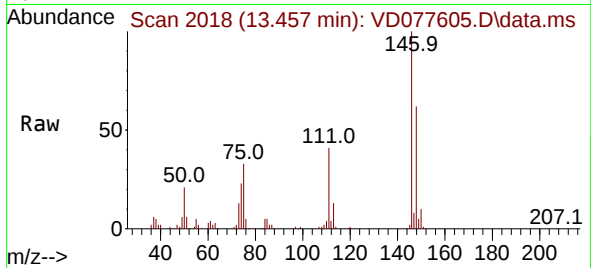




#64
1,3-Dichlorobenzene
Concen: 21.426 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

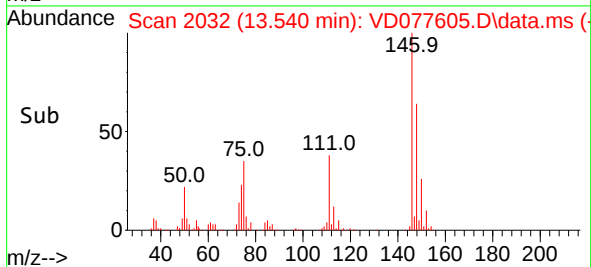
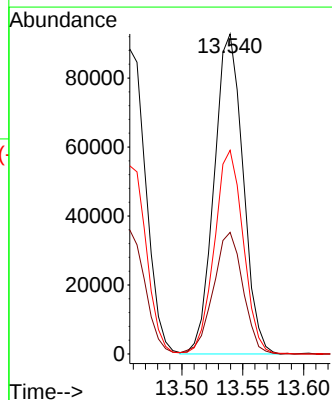
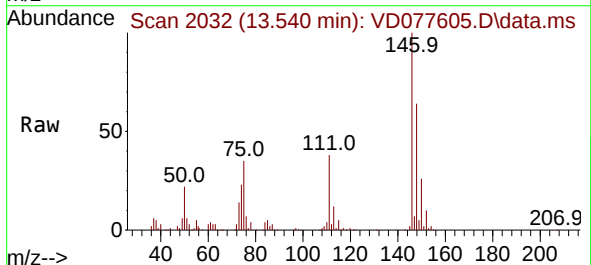
Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

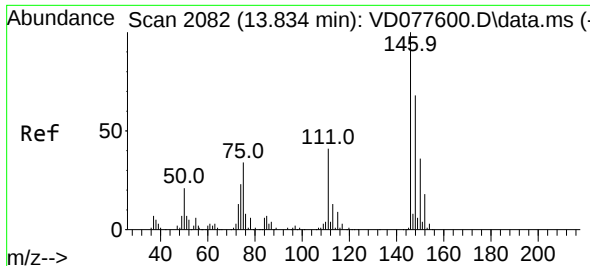
Tgt Ion:146 Resp: 147249
Ion Ratio Lower Upper
146 100
111 40.7 27.2 50.6
148 61.7 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 22.104 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion:146 Resp: 153307
Ion Ratio Lower Upper
146 100
111 38.0 25.6 47.4
148 63.6 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 23.009 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

Instrument :

MSVOA_D

ClientSampleId :

EY1E2MSD

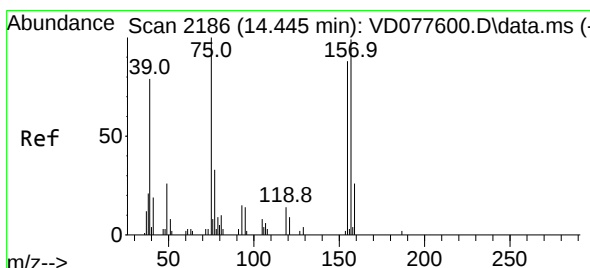
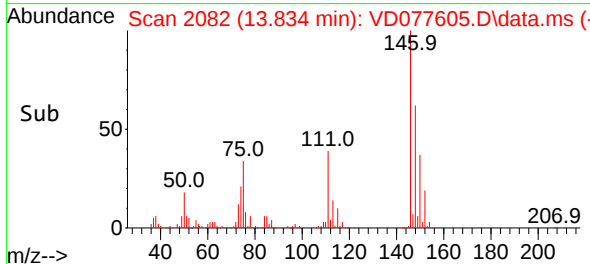
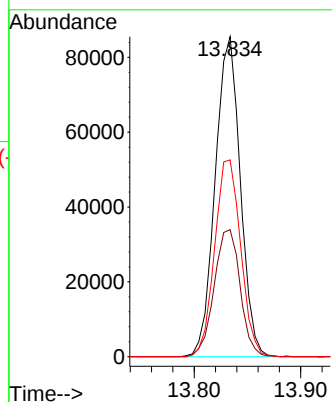
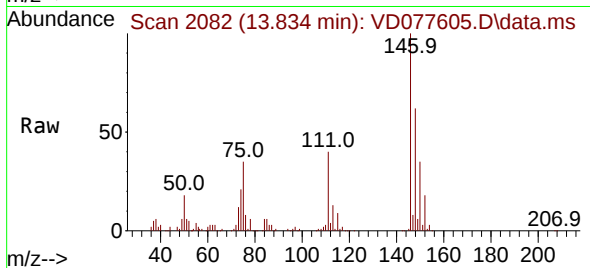
Tgt Ion:146 Resp: 139801

Ion Ratio Lower Upper

146 100

111 39.7 33.8 50.6

148 61.5 54.3 81.5



#68

1,2-Dibromo-3-chloropropane

Concen: 27.784 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VD077605.D

Acq: 17 Nov 2023 11:28

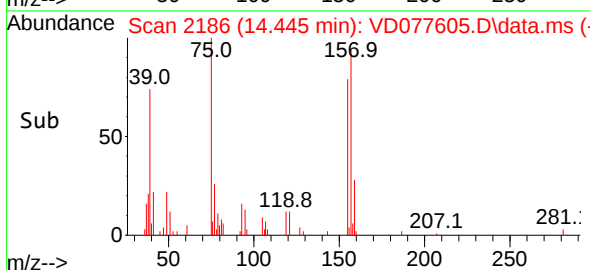
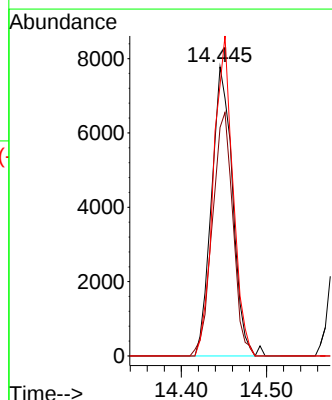
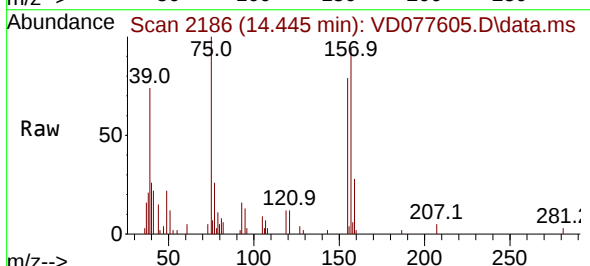
Tgt Ion: 75 Resp: 13332

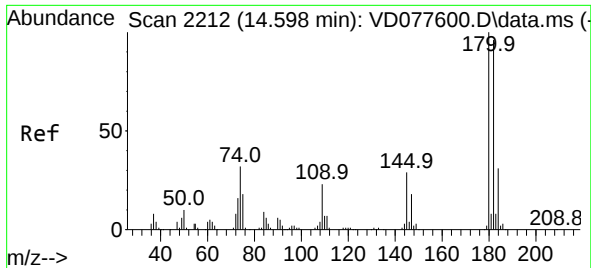
Ion Ratio Lower Upper

75 100

155 83.1 58.2 87.2

157 93.7 68.7 103.1

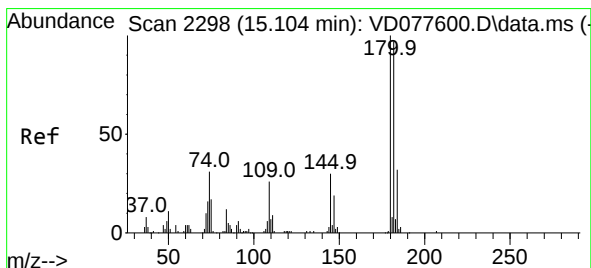
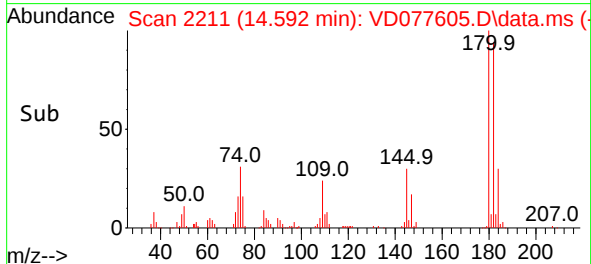
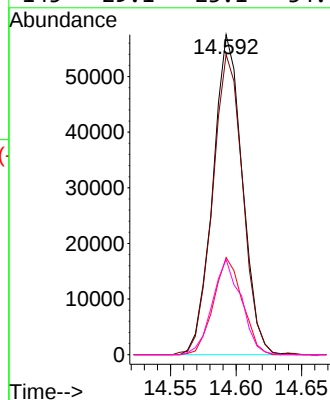
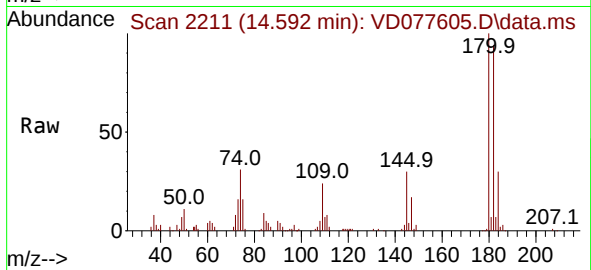




#69
 1,3,5-Trichlorobenzene
 Concen: 19.193 ug/L
 RT: 14.592 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

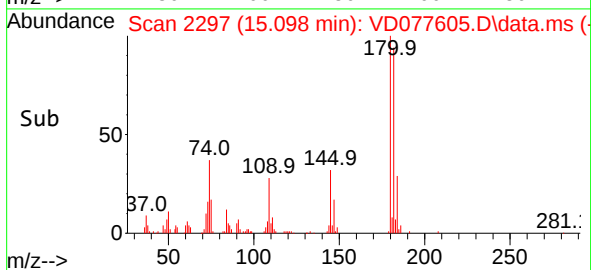
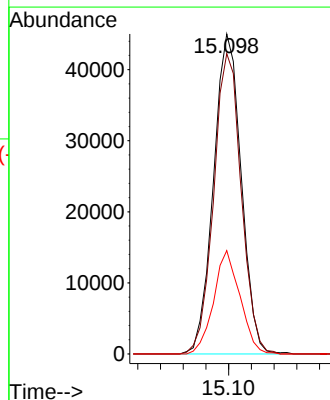
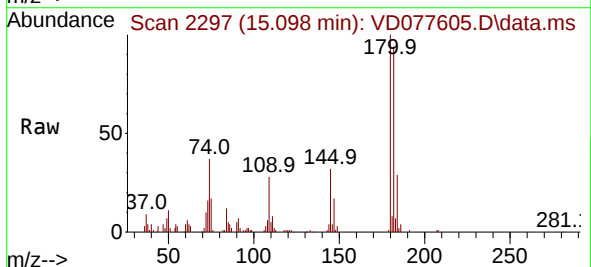
Instrument :
 MSVOA_D
 ClientSampleId :
 EY1E2MSD

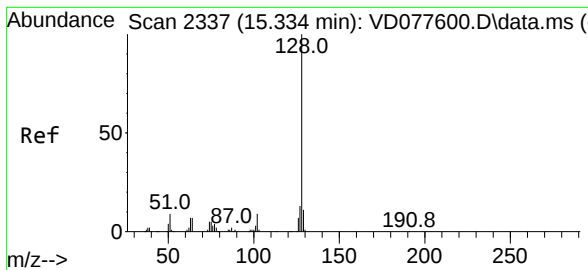
Tgt Ion:	180	Resp:	89813
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.1	114.1
184	29.7	24.0	36.0
145	29.1	23.1	34.7



#70
 1,2,4-trichlorobenzene
 Concen: 19.303 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD077605.D
 Acq: 17 Nov 2023 11:28

Tgt Ion:	180	Resp:	76129
Ion Ratio	Lower	Upper	
180	100		
182	93.4	75.8	113.6
145	30.8	24.1	36.1

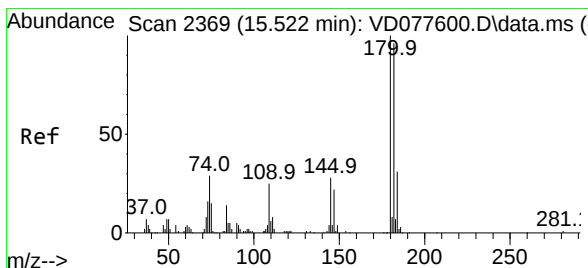
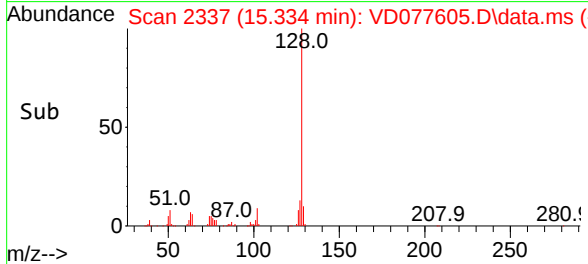
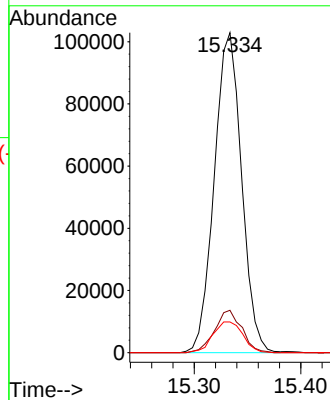
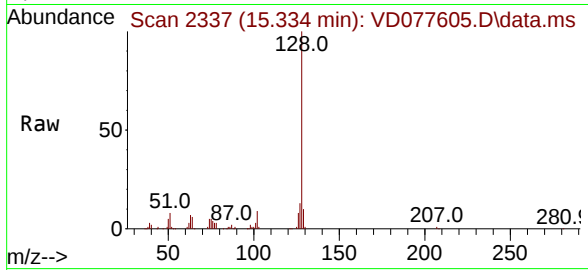




#71
Naphthalene
Concen: 24.637 ug/L
RT: 15.334 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Instrument :
MSVOA_D
ClientSampleId :
EY1E2MSD

Tgt Ion:128 Resp: 183120
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.6 9.0 13.6



#72
1,2,3-Trichlorobenzene
Concen: 20.307 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD077605.D
Acq: 17 Nov 2023 11:28

Tgt Ion:180 Resp: 68287
Ion Ratio Lower Upper
180 100
182 96.4 76.8 115.2
145 33.5 26.0 39.0

