

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080275.D
 Acq On : 18 Mar 2025 11:03
 Operator : RP/MD
 Sample : VSTD00570
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005871

Quant Time: Mar 24 09:10:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 09:08:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	166554	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	162737	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	78733	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	30051	5.48	ug/L	0.00
7) Chloroethane-d5	2.793	69	25102	5.14	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	4126	3.56	ug/L	0.00
21) 2-Butanone-d5	6.999	46	3241	5.48	ug/L	0.01
24) Chloroform-d	7.569	84	25428	4.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	13946	4.97	ug/L	0.00
32) Benzene-d6	8.199	84	44989	4.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	15023	4.90	ug/L	0.00
41) Toluene-d8	10.263	98	37929	4.42	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	5419	4.29	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	2008	4.52	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.645	84	12824	4.70	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	12675	4.60	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	15624	5.05	ug/L	96
3) Chloromethane	2.152	50	25370	5.07	ug/L	96
5) Vinyl chloride	2.275	62	32054	4.93	ug/L	93
6) Bromomethane	2.687	94	16672	4.93	ug/L	92
8) Chloroethane	2.828	64	22430	5.10	ug/L	97
9) Trichlorofluoromethane	3.164	101	24080	4.96	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	14700	5.13	ug/L #	57
12) 1,1-Dichloroethene	3.934	96	11237	4.61	ug/L	93
13) Acetone	4.034	43	5669	9.16	ug/L	97
14) Carbon disulfide	4.264	76	42792	4.74	ug/L	99
15) Methyl Acetate	4.564	43	4792	3.47	ug/L	95
16) Methylene chloride	4.793	84	17605	5.40	ug/L	93
17) trans-1,2-Dichloroethene	5.305	96	12220	4.63	ug/L	86
18) Methyl tert-butyl Ether	5.311	73	11231	2.03	ug/L #	73
19) 1,1-Dichloroethane	6.105	63	27023	5.16	ug/L	89
20) cis-1,2-Dichloroethene	7.081	96	13678	4.81	ug/L	98
22) 2-Butanone	7.093	43	7283	9.09	ug/L #	83
23) Bromochloromethane	7.428	128	6827	5.02	ug/L #	89
25) Chloroform	7.593	83	29446	5.31	ug/L	92
27) 1,2-Dichloroethane	8.322	62	17864	5.16	ug/L	98
29) Cyclohexane	7.869	56	16714	4.36	ug/L #	93
30) 1,1,1-Trichloroethane	7.793	97	21593	5.05	ug/L	97
31) Carbon tetrachloride	7.987	117	19593	5.22	ug/L	100
33) Benzene	8.252	78	51665	4.89	ug/L	100
34) Trichloroethene	9.028	95	13852	4.91	ug/L	88
35) Methylcyclohexane	9.275	83	17935	4.48	ug/L	94
37) 1,2-Dichloropropane	9.299	63	15308	4.99	ug/L #	97
38) Bromodichloromethane	9.581	83	20004	5.14	ug/L	90
39) cis-1,3-Dichloropropene	10.016	75	20286	4.56	ug/L	99
40) 4-Methyl-2-pentanone	10.151	43	14174	8.73	ug/L	97
42) Toluene	10.334	91	51590	4.57	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	17794	4.79	ug/L	98

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 Response via : Initial Calibration

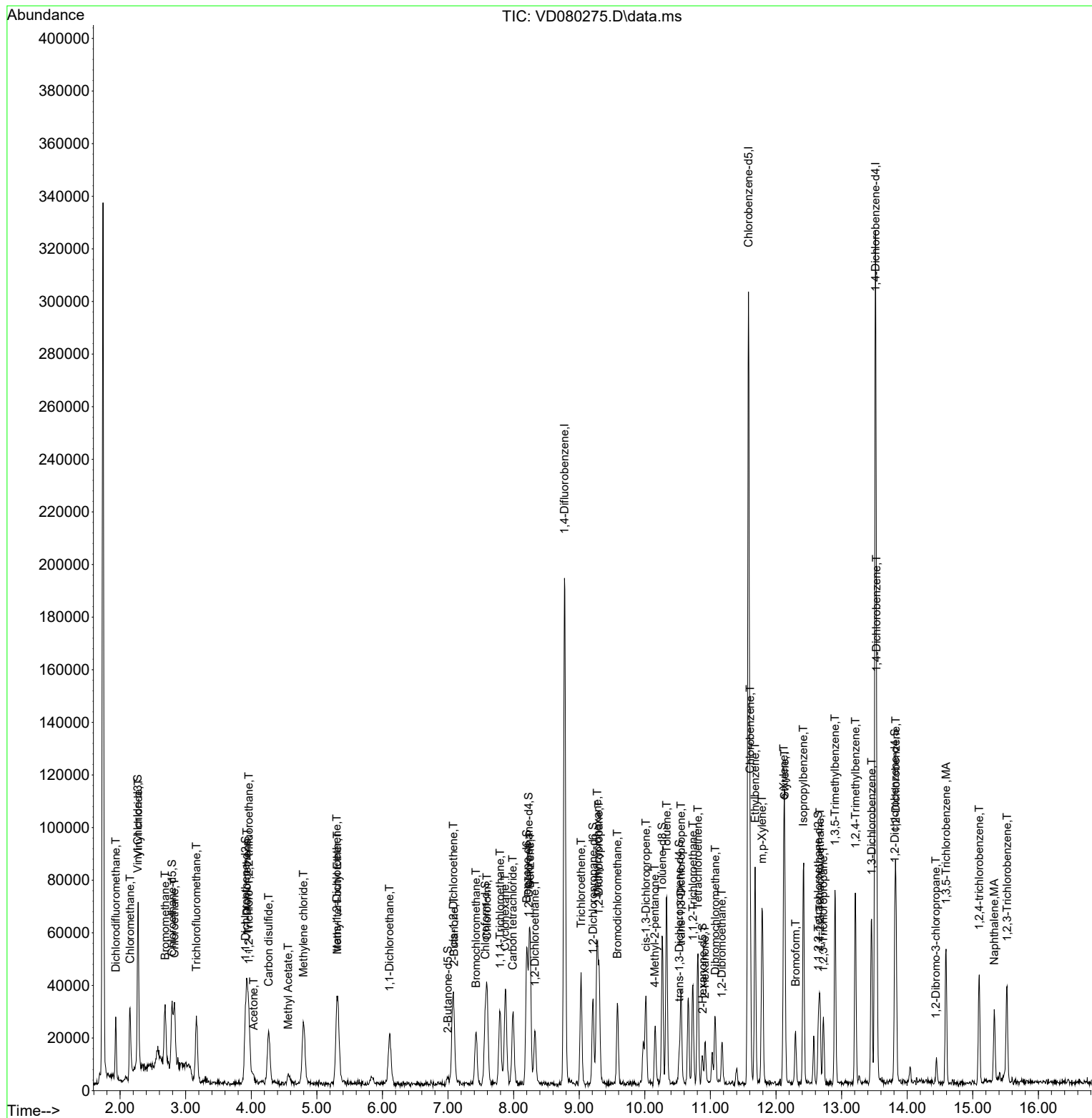
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	11971	5.21	ug/L	90
46) Tetrachloroethene	10.810	164	10793	4.92	ug/L	94
48) 2-Hexanone	10.916	43	10100	8.76	ug/L	95
49) Dibromochloromethane	11.075	129	13072	5.03	ug/L	94
50) 1,2-Dibromoethane	11.175	107	9990	4.91	ug/L #	89
51) Chlorobenzene	11.604	112	37629	5.03	ug/L	99
52) Ethylbenzene	11.681	91	55081	4.48	ug/L	100
53) m,p-Xylene	11.787	106	20310	4.46	ug/L	99
54) o-Xylene	12.116	106	18324	4.24	ug/L	96
55) Styrene	12.134	104	33559	4.28	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.669	83	13497	4.85	ug/L	96
59) Bromoform	12.298	173	8298	5.69	ug/L	95
60) Isopropylbenzene	12.416	105	50940	4.81	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	9338	5.35	ug/L	94
62) 1,3,5-Trimethylbenzene	12.898	105	38092	4.56	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	38212	4.50	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	26025	4.91	ug/L	98
65) 1,4-Dichlorobenzene	13.534	146	29369	5.15	ug/L	97
67) 1,2-Dichlorobenzene	13.828	146	23795	4.86	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.439	75	2500	6.06	ug/L #	50
69) 1,3,5-Trichlorobenzene	14.592	180	16193	4.65	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	13147	4.53	ug/L #	95
71) Naphthalene	15.328	128	22058	4.05	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.522	180	11418	4.36	ug/L	91

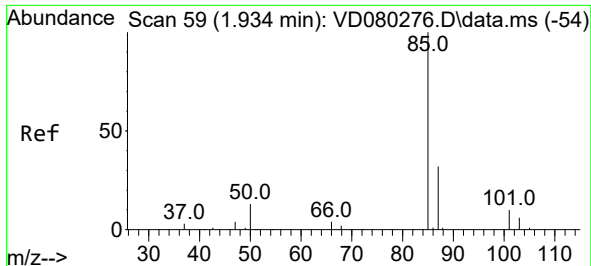
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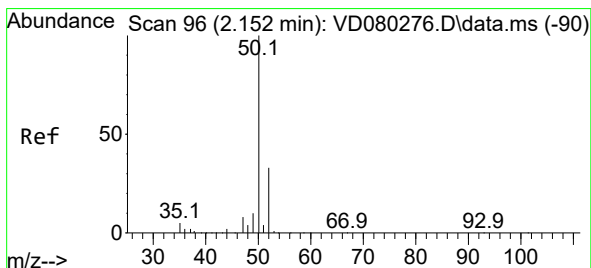
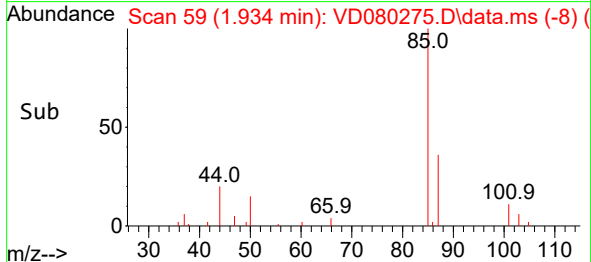
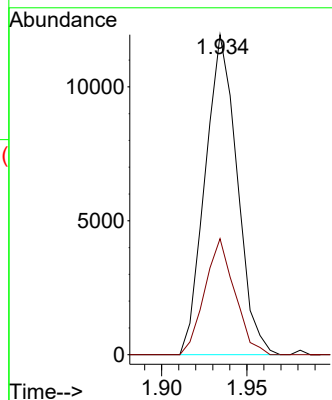
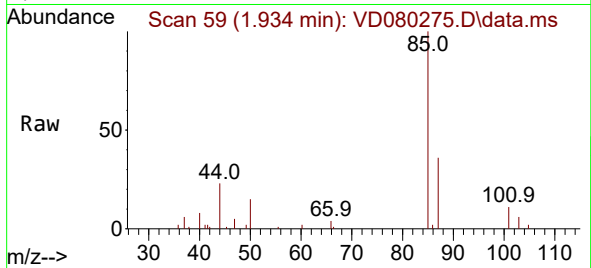




#2
 Dichlorodifluoromethane
 Concen: 5.05 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

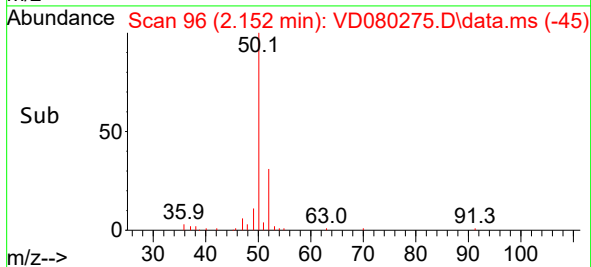
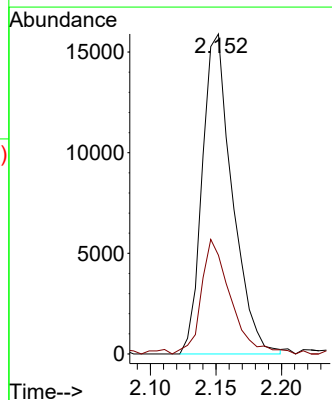
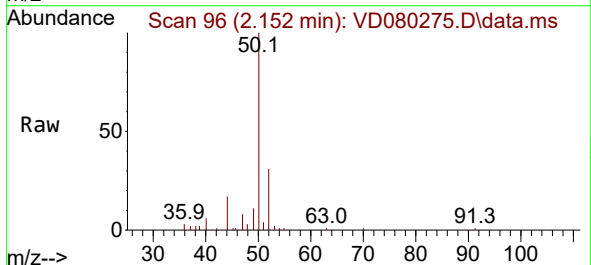
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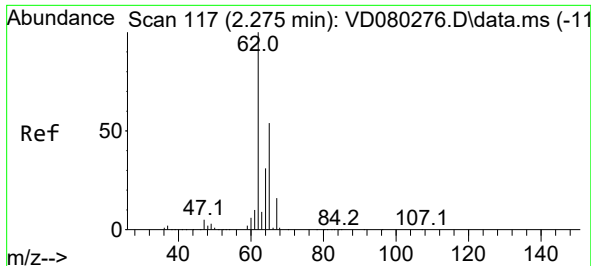
Tgt Ion: 85 Resp: 15624
 Ion Ratio Lower Upper
 85 100
 87 34.0 25.6 38.4



#3
 Chloromethane
 Concen: 5.07 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

Tgt Ion: 50 Resp: 25370
 Ion Ratio Lower Upper
 50 100
 52 30.9 23.1 42.9

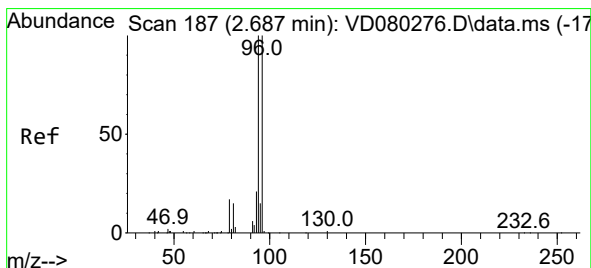
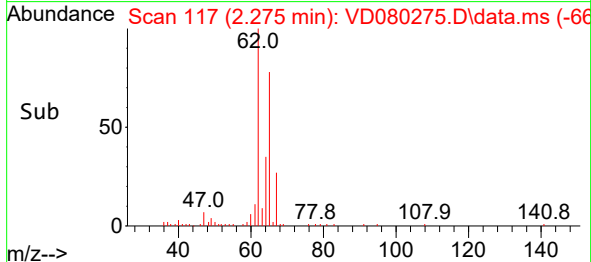
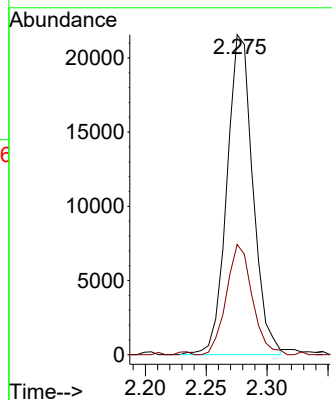
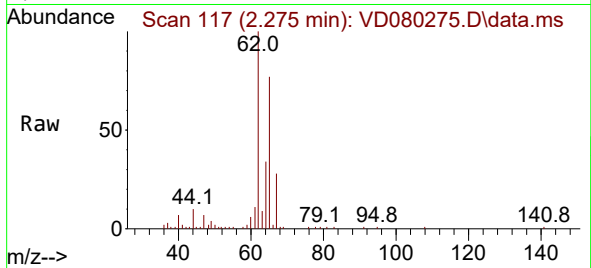




#5
 Vinyl chloride
 Concen: 4.93 ug/L
 RT: 2.275 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

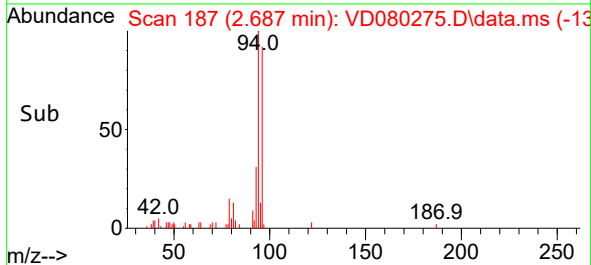
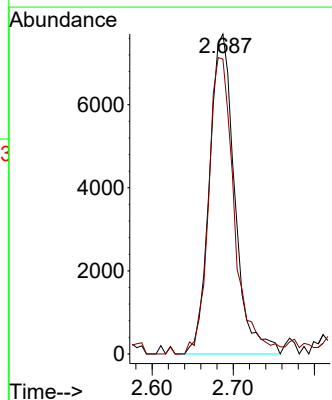
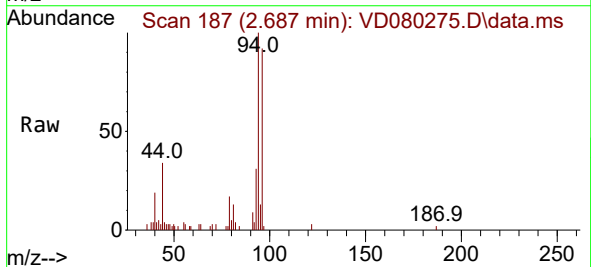
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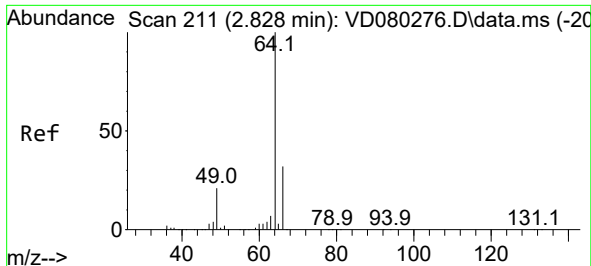
Tgt Ion: 62 Resp: 32054
 Ion Ratio Lower Upper
 62 100
 64 34.5 21.3 39.6



#6
 Bromomethane
 Concen: 4.93 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

Tgt Ion: 94 Resp: 16672
 Ion Ratio Lower Upper
 94 100
 96 92.1 70.3 130.5

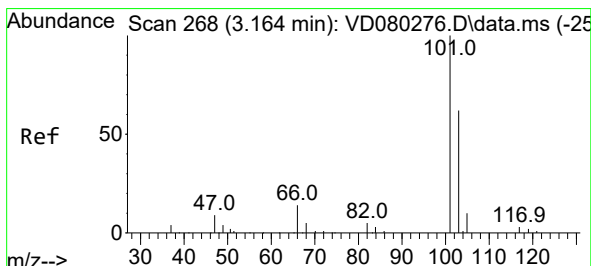
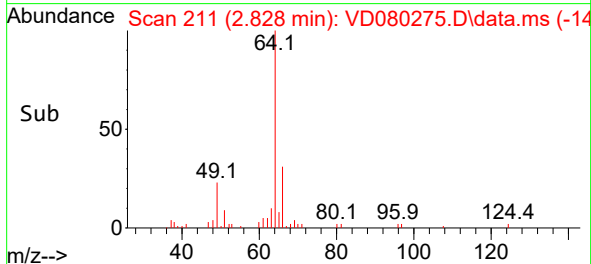
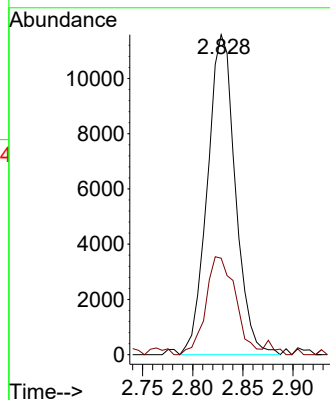
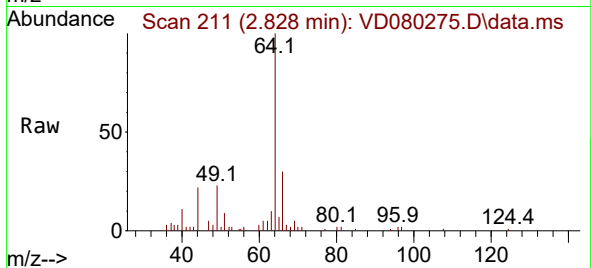




#8
Chloroethane
Concen: 5.10 ug/L
RT: 2.828 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

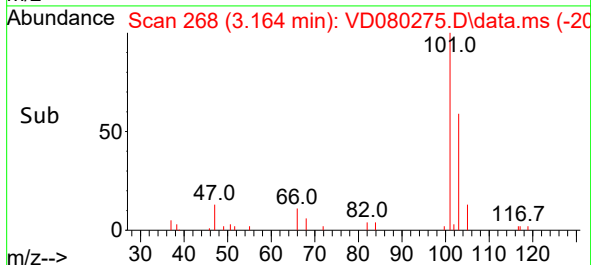
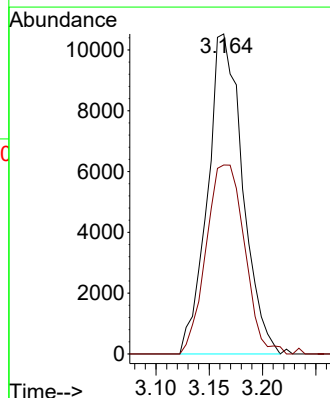
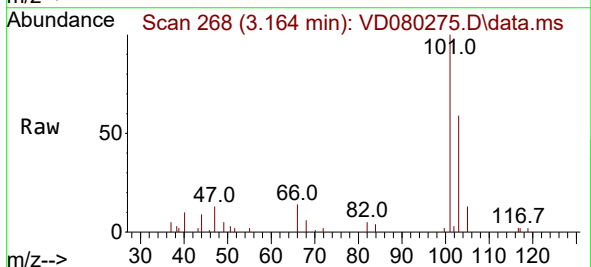
Instrument :
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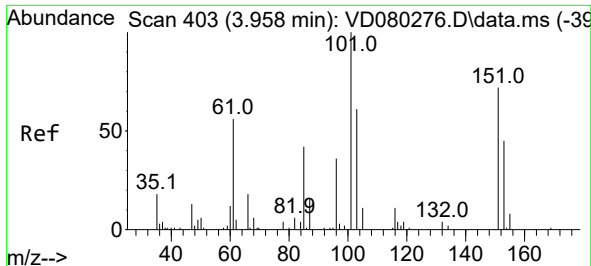
Tgt Ion: 64 Resp: 22430
Ion Ratio Lower Upper
64 100
66 30.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.96 ug/L
RT: 3.164 min Scan# 268
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion:101 Resp: 24080
Ion Ratio Lower Upper
101 100
103 64.0 52.0 78.0

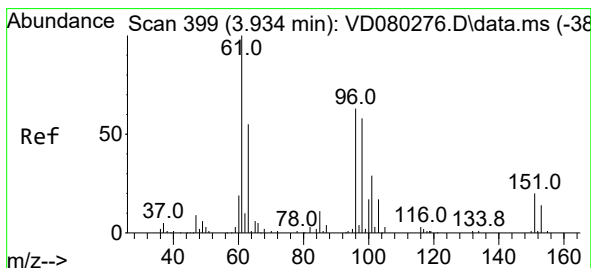
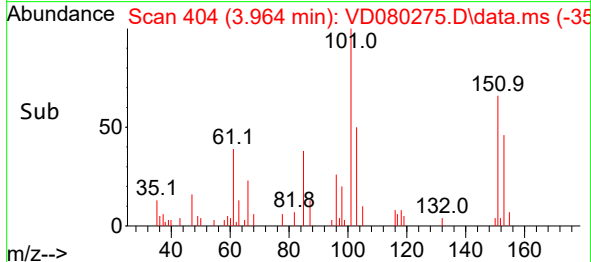
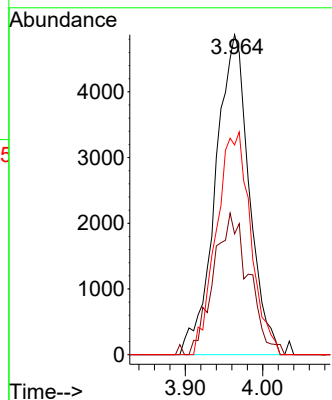
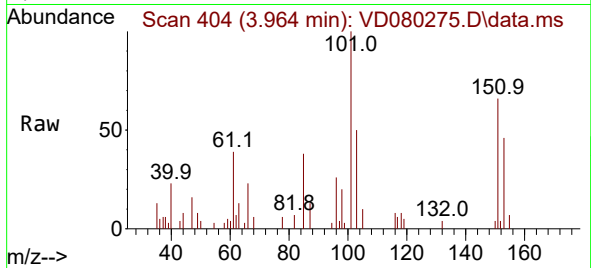




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.13 ug/L
 RT: 3.964 min Scan# 403
 Delta R.T. 0.006 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

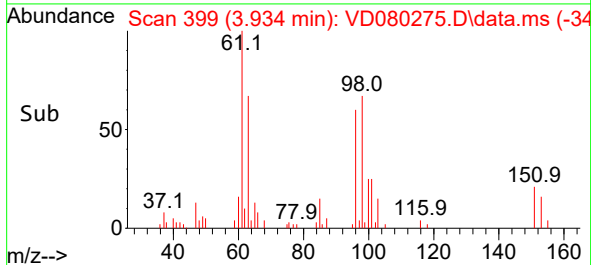
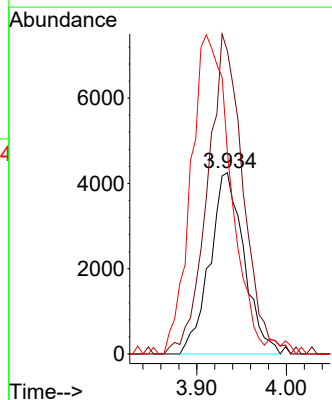
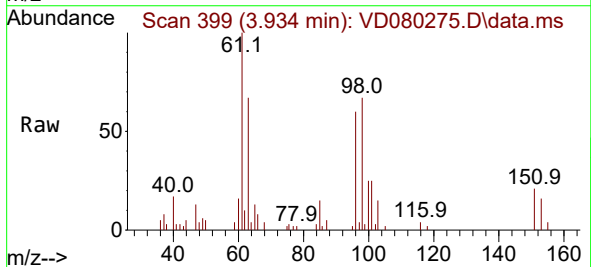
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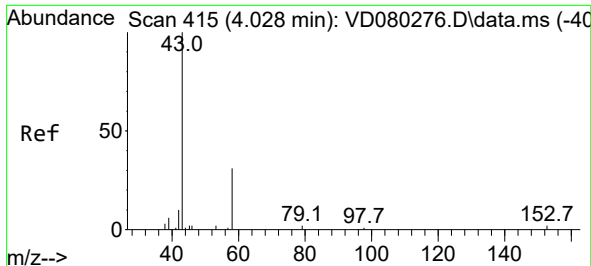
Tgt Ion:101 Resp: 14700
 Ion Ratio Lower Upper
 101 100
 85 8.1 35.7 53.5#
 151 40.9 55.6 83.4#



#12
 1,1-Dichloroethene
 Concen: 4.61 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

Tgt Ion: 96 Resp: 11237
 Ion Ratio Lower Upper
 96 100
 61 167.1 112.5 208.9
 63 111.3 71.3 132.5

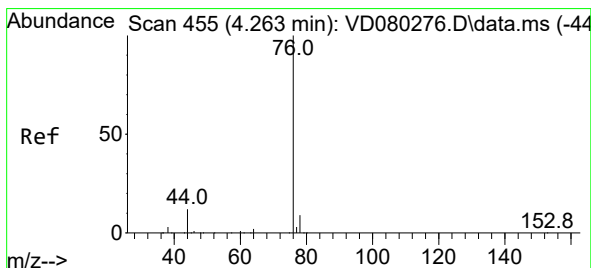
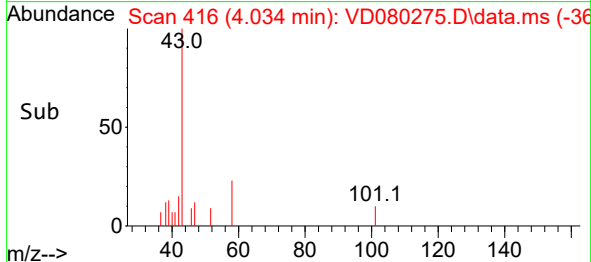
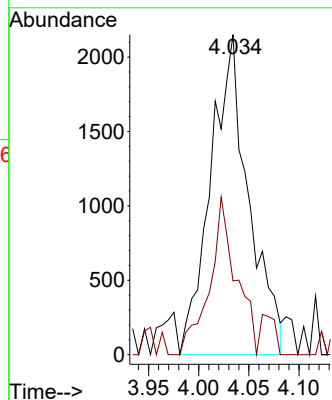
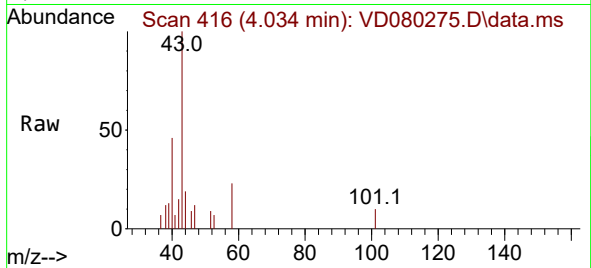




#13
Acetone
Concen: 9.16 ug/L
RT: 4.034 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

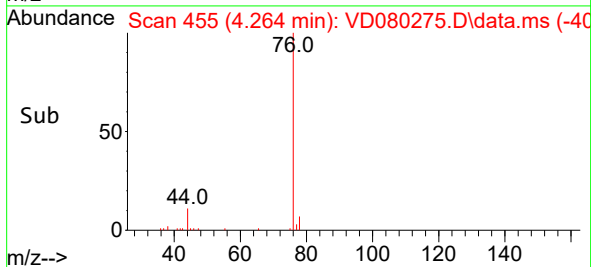
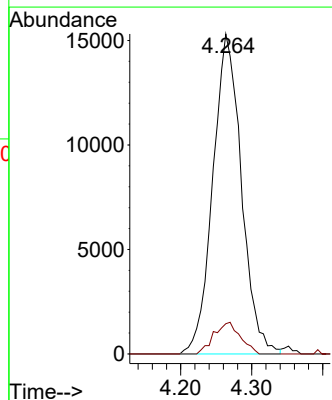
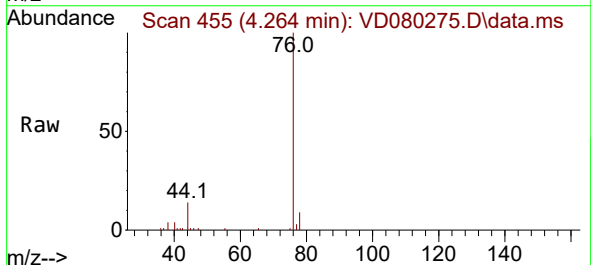
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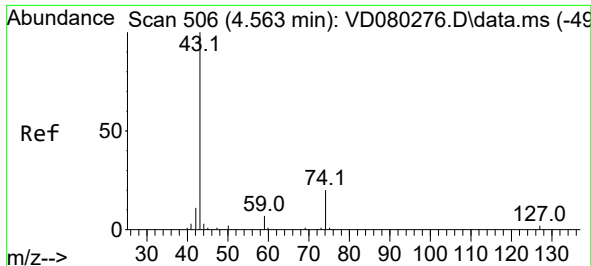
Tgt Ion: 43 Resp: 5669
Ion Ratio Lower Upper
43 100
58 34.3 0.0 65.2



#14
Carbon disulfide
Concen: 4.74 ug/L
RT: 4.264 min Scan# 455
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 42792
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

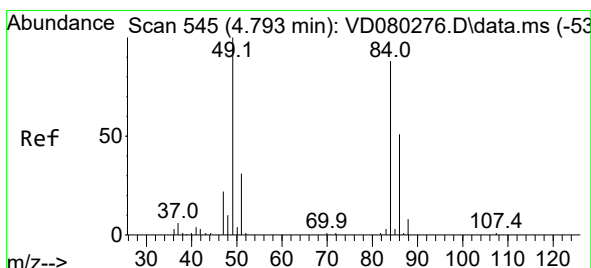
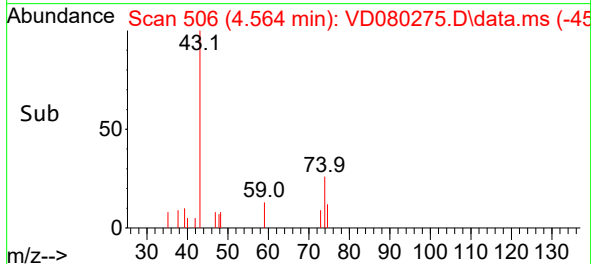
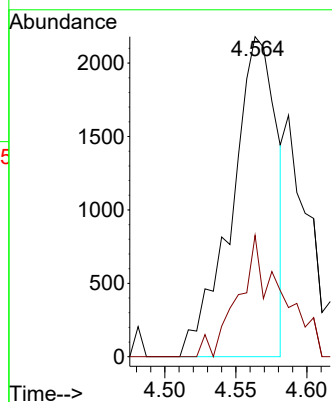
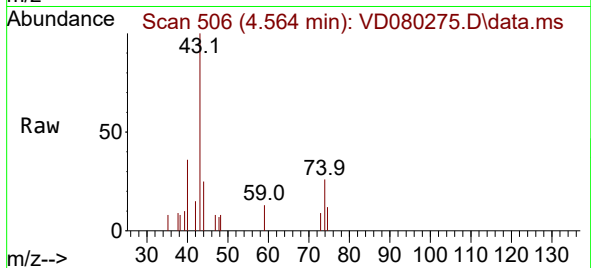




#15
Methyl Acetate
Concen: 3.47 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

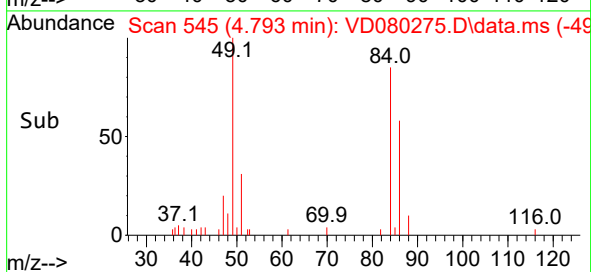
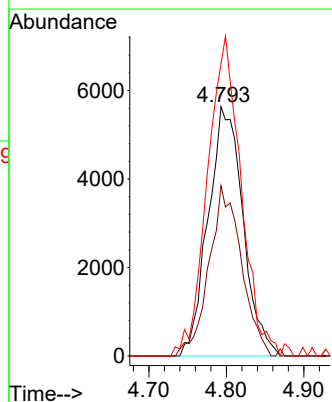
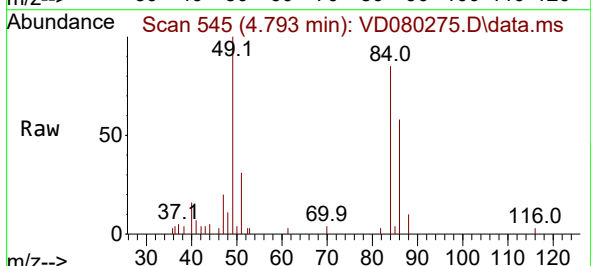
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

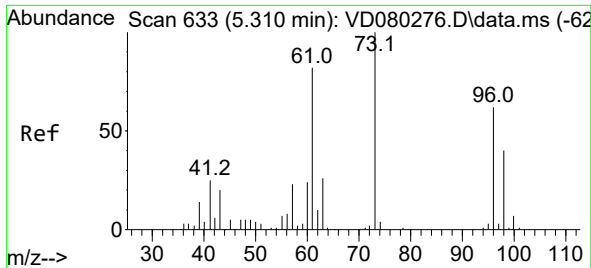
Tgt Ion: 43 Resp: 4792
Ion Ratio Lower Upper
43 100
74 19.3 17.2 25.8



#16
Methylene chloride
Concen: 5.40 ug/L
RT: 4.793 min Scan# 545
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion: 84 Resp: 17605
Ion Ratio Lower Upper
84 100
86 68.3 40.9 75.9
49 117.2 79.7 147.9

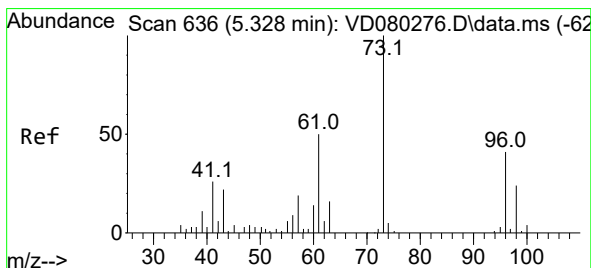
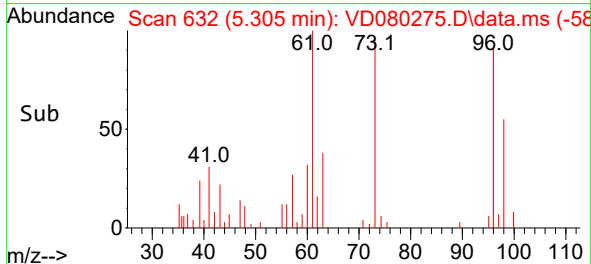
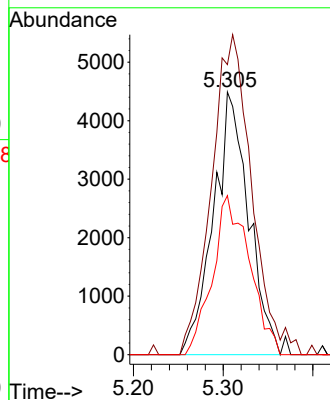
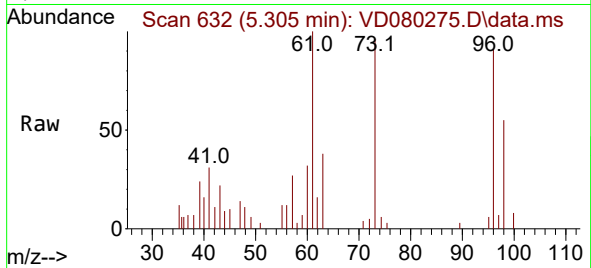




#17
trans-1,2-Dichloroethene
Concen: 4.63 ug/L
RT: 5.305 min Scan# 611
Delta R.T. -0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

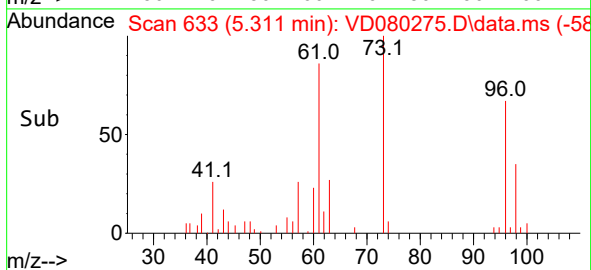
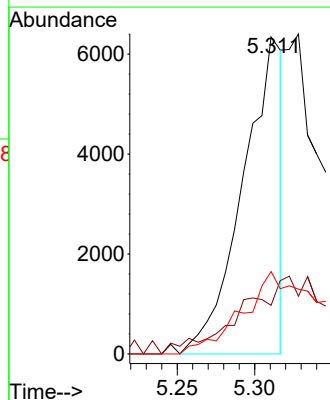
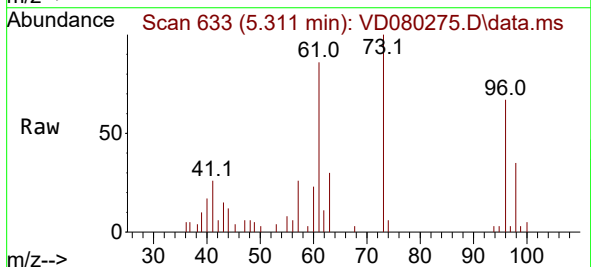
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

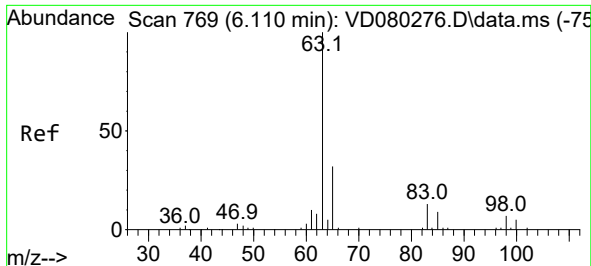
Tgt Ion: 96 Resp: 12220
Ion Ratio Lower Upper
96 100
61 110.4 92.4 171.6
98 60.6 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 2.03 ug/L
RT: 5.311 min Scan# 633
Delta R.T. -0.018 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion: 73 Resp: 11231
Ion Ratio Lower Upper
73 100
43 13.4 17.2 25.8#
57 5.9 18.8 28.2#





#19

1,1-Dichloroethane

Concen: 5.16 ug/L

RT: 6.105 min Scan# 768

Delta R.T. -0.006 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD005871

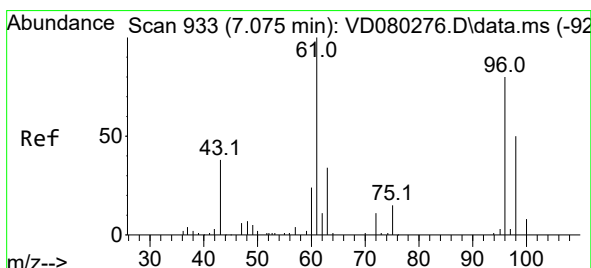
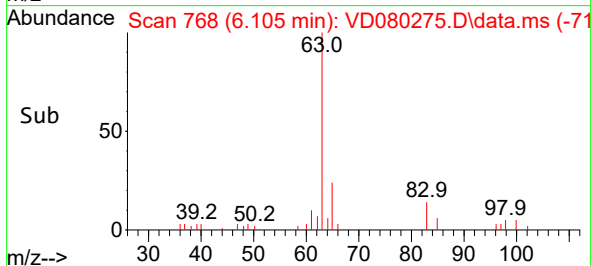
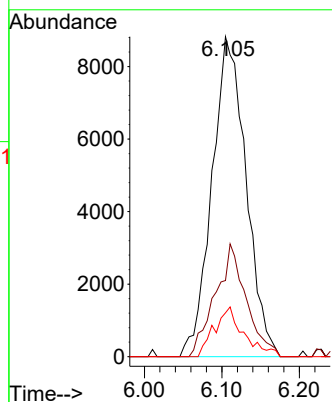
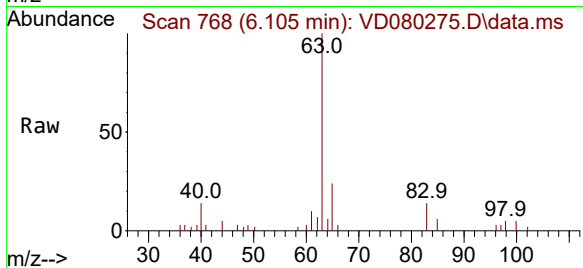
Tgt Ion: 63 Resp: 27023

Ion Ratio Lower Upper

63 100

65 23.8 22.4 41.6

83 13.7 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 4.81 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

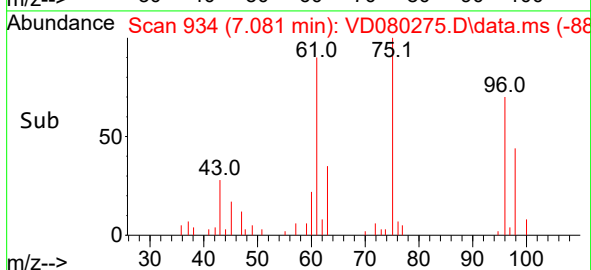
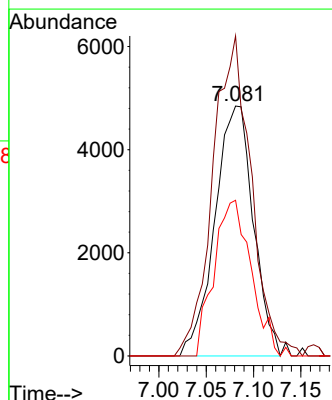
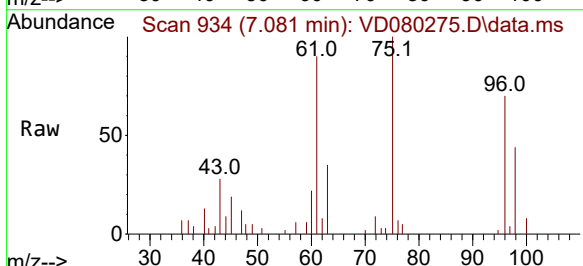
Tgt Ion: 96 Resp: 13678

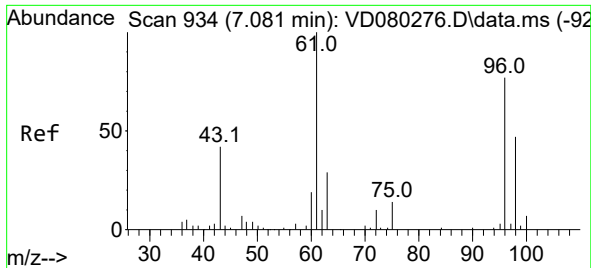
Ion Ratio Lower Upper

96 100

61 128.0 87.8 163.0

98 62.3 43.7 81.1

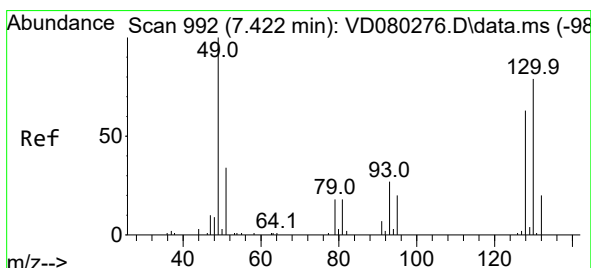
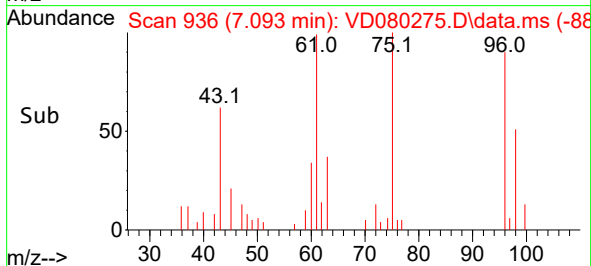
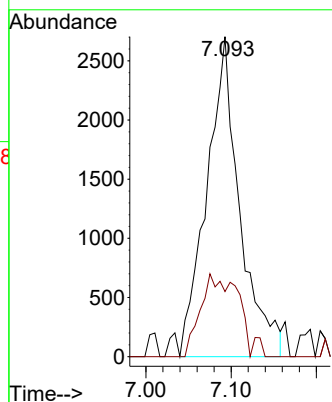
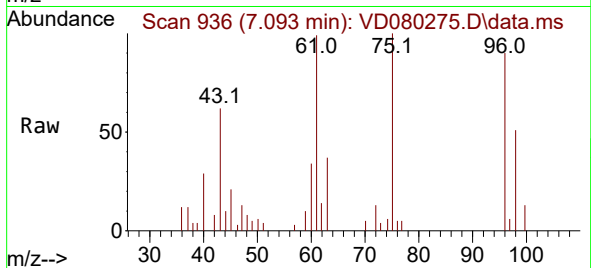




#22
2-Butanone
Concen: 9.09 ug/L
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

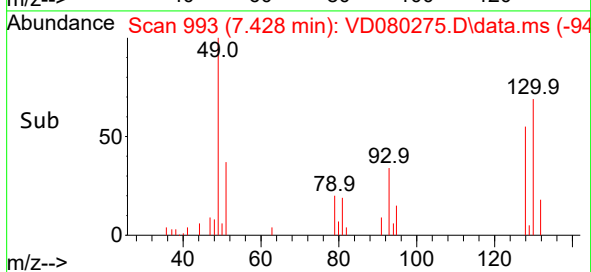
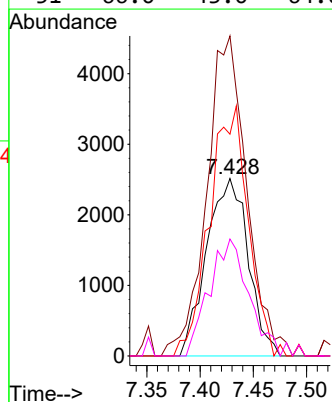
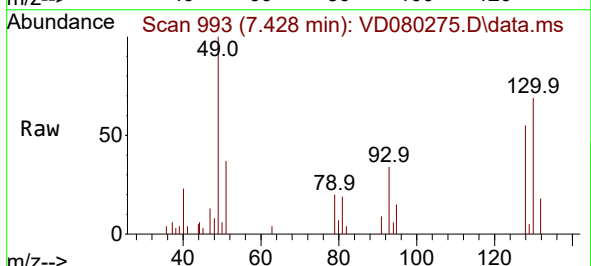
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

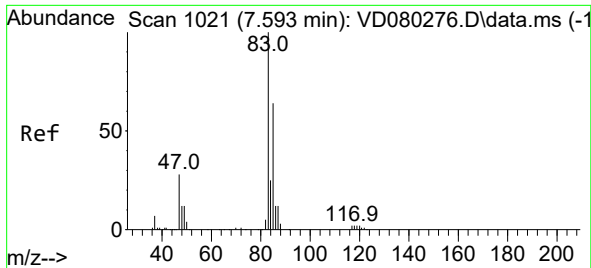
Tgt Ion: 43 Resp: 7283
Ion Ratio Lower Upper
43 100
72 18.5 5.9 17.8#



#23
Bromochloromethane
Concen: 5.02 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion:128 Resp: 6827
Ion Ratio Lower Upper
128 100
49 180.4 112.6 209.0
130 125.0 89.7 166.5
51 66.0 43.0 64.6#

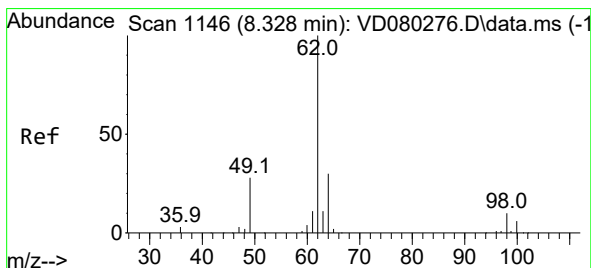
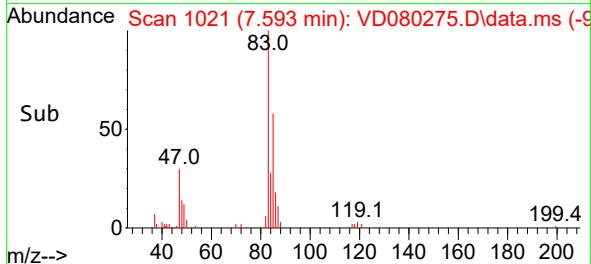
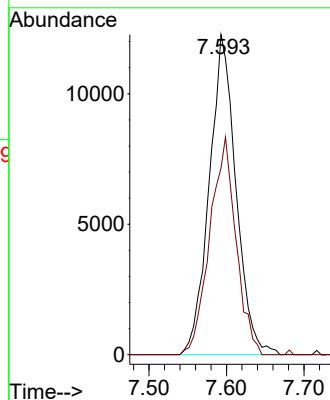
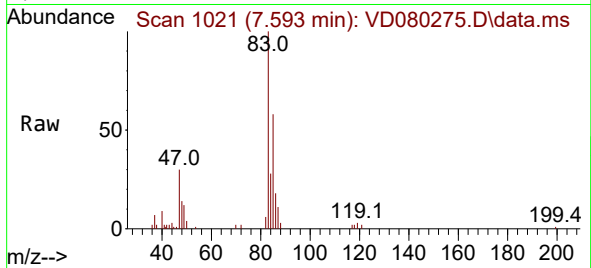




#25
Chloroform
Concen: 5.31 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

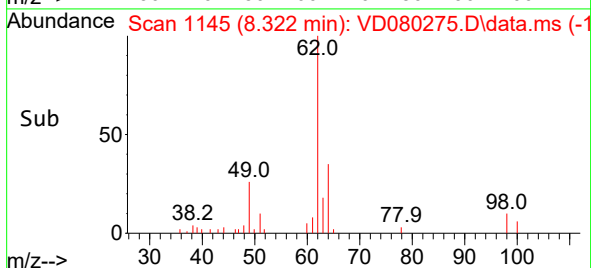
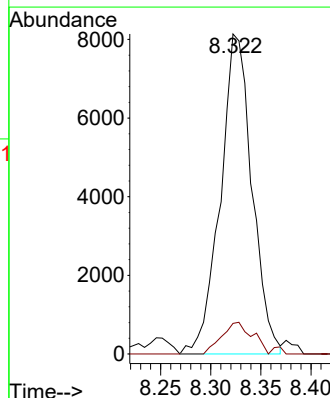
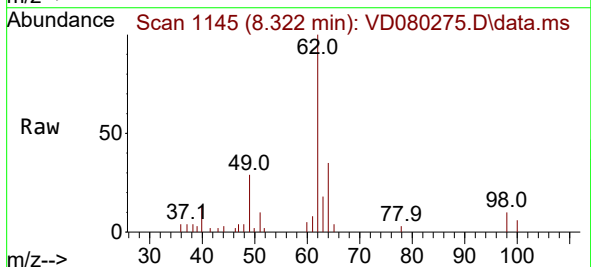
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

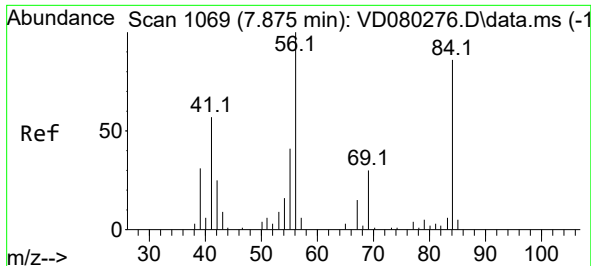
Tgt Ion: 83 Resp: 29446
Ion Ratio Lower Upper
83 100
85 58.2 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.16 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion: 62 Resp: 17864
Ion Ratio Lower Upper
62 100
98 9.6 8.2 12.2





#29

Cyclohexane

Concen: 4.36 ug/L

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD005871

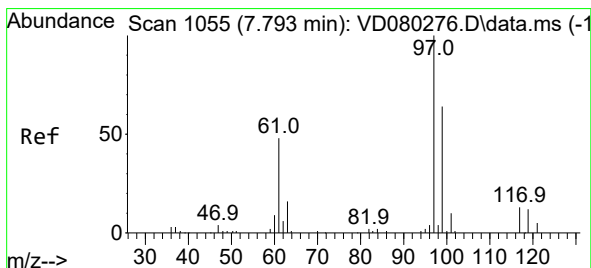
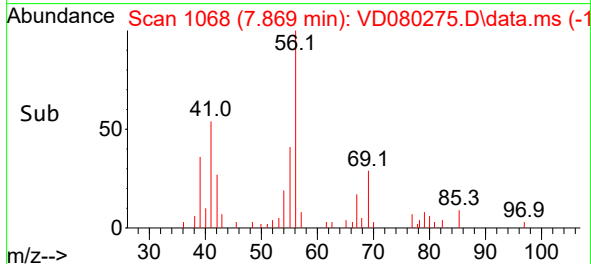
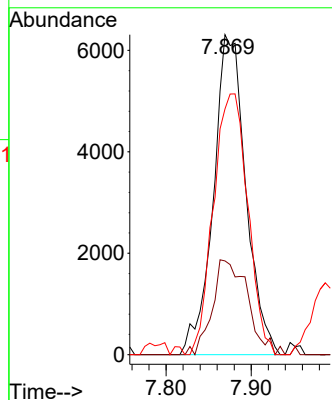
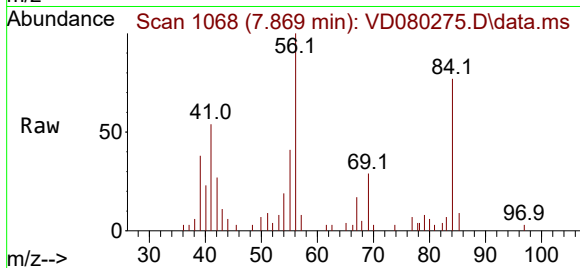
Tgt Ion: 56 Resp: 16714

Ion Ratio Lower Upper

56 100

69 20.4 24.6 37.0#

84 86.1 71.4 107.2



#30

1,1,1-Trichloroethane

Concen: 5.05 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

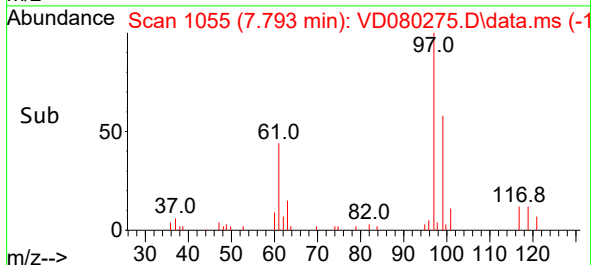
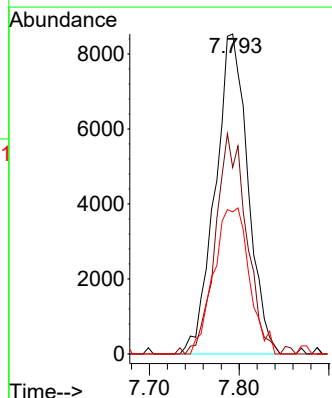
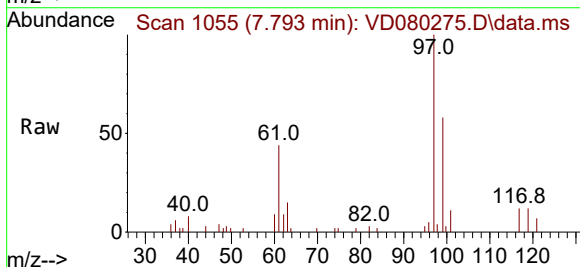
Tgt Ion: 97 Resp: 21593

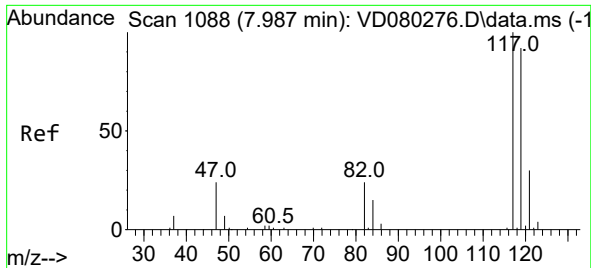
Ion Ratio Lower Upper

97 100

99 65.2 51.9 77.9

61 49.6 36.7 55.1

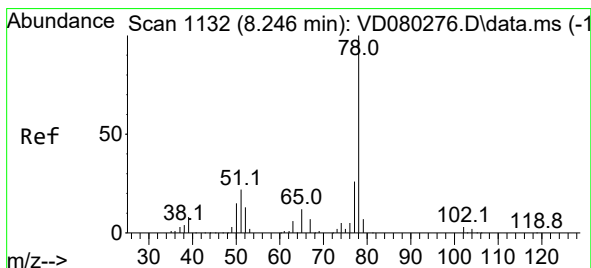
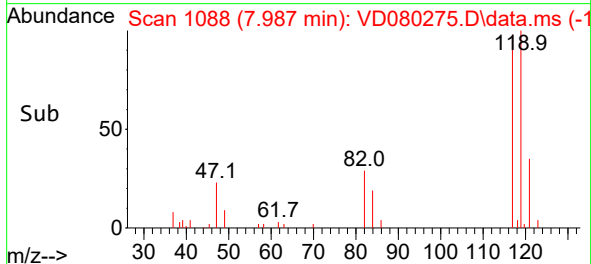
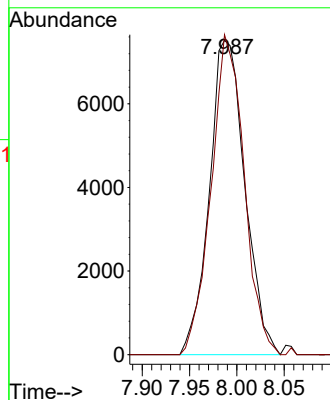
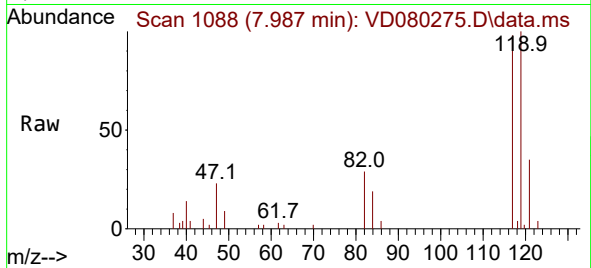




#31
Carbon tetrachloride
Concen: 5.22 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

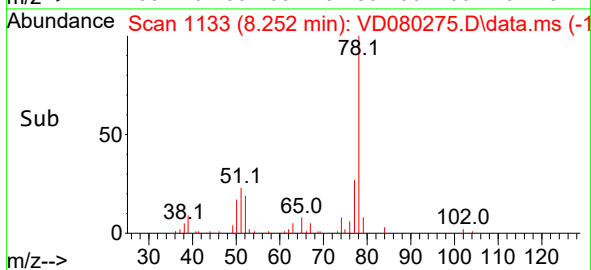
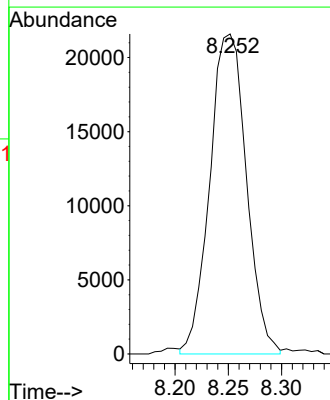
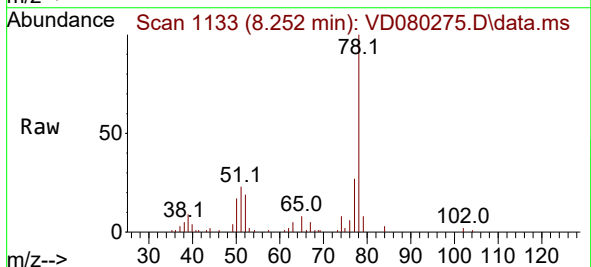
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

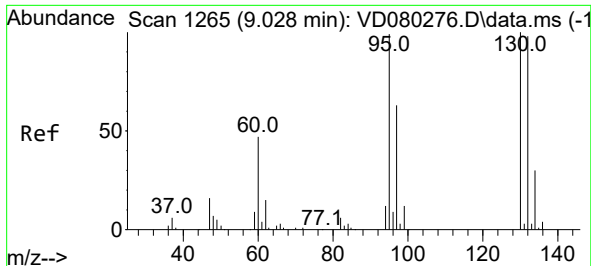
Tgt Ion:117 Resp: 19593
Ion Ratio Lower Upper
117 100
119 94.6 76.0 114.0



#33
Benzene
Concen: 4.89 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion: 78 Resp: 51665



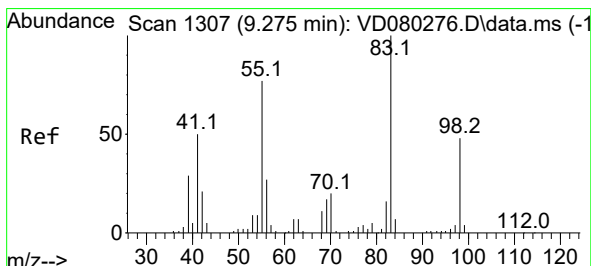
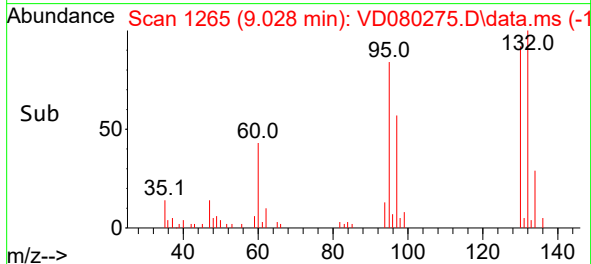
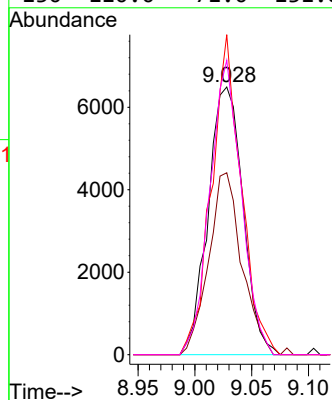
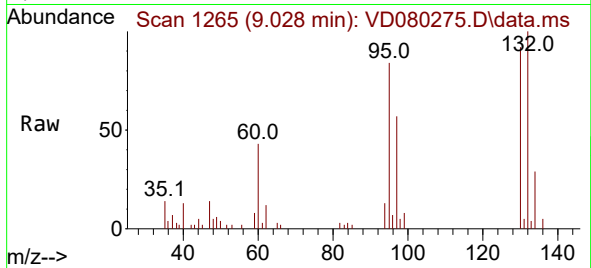


#34
 Trichloroethene
 Concen: 4.91 ug/L
 RT: 9.028 min Scan# 1265
 Delta R.T. 0.000 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005871

Tgt Ion: 95 Resp: 13852

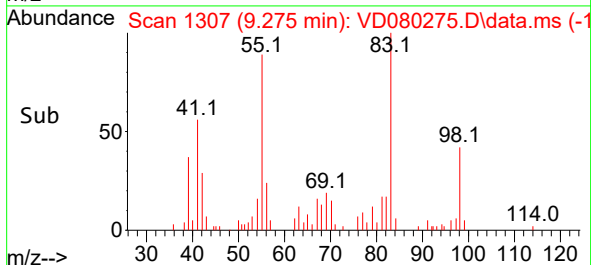
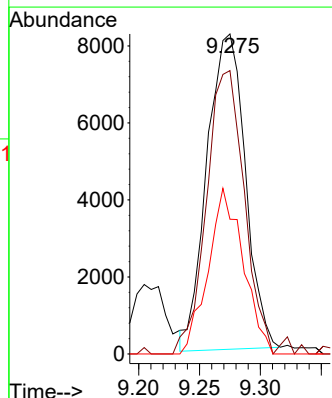
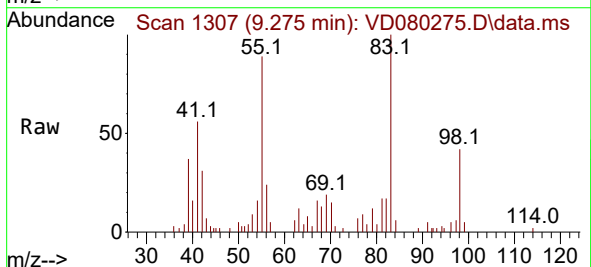
Ion	Ratio	Lower	Upper
95	100		
97	68.0	45.1	83.7
132	119.6	69.5	129.1
130	110.0	71.0	131.8

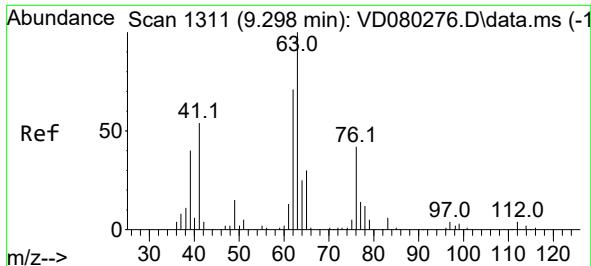


#35
 Methylcyclohexane
 Concen: 4.48 ug/L
 RT: 9.275 min Scan# 1307
 Delta R.T. 0.000 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

Tgt Ion: 83 Resp: 17935

Ion	Ratio	Lower	Upper
83	100		
55	88.5	65.0	97.6
98	48.0	39.0	58.6

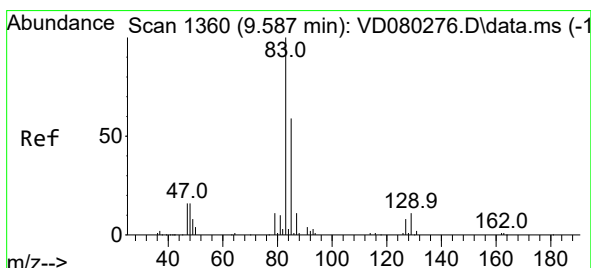
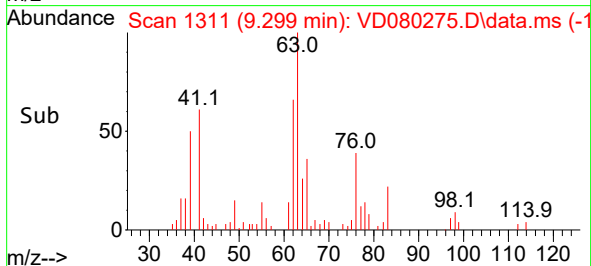
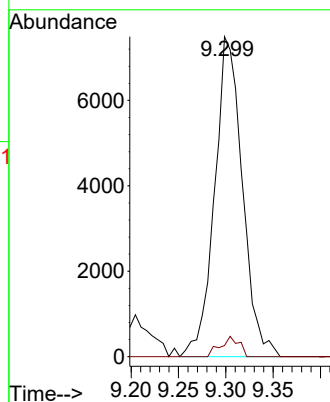
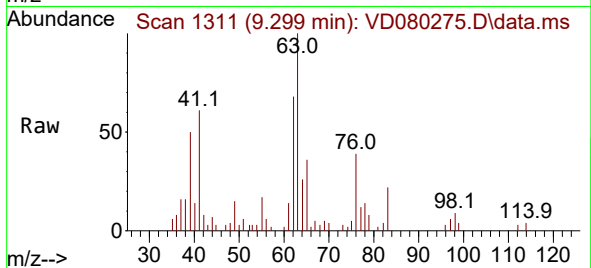




#37
1,2-Dichloropropane
Concen: 4.99 ug/L
RT: 9.299 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

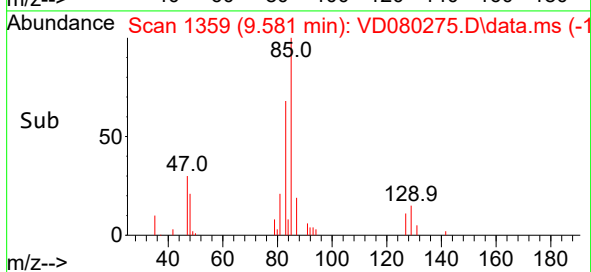
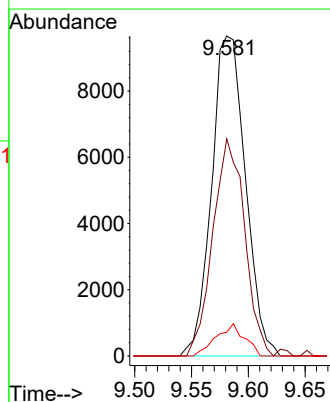
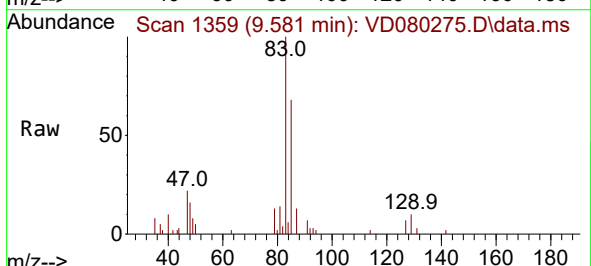
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

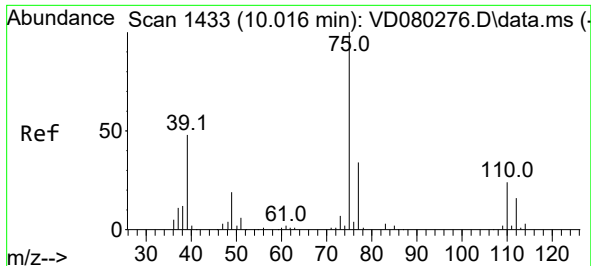
Tgt Ion: 63 Resp: 15308
Ion Ratio Lower Upper
63 100
112 3.2 3.4 5.2#



#38
Bromodichloromethane
Concen: 5.14 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion: 83 Resp: 20004
Ion Ratio Lower Upper
83 100
85 67.8 41.4 77.0
127 7.4 6.6 10.0

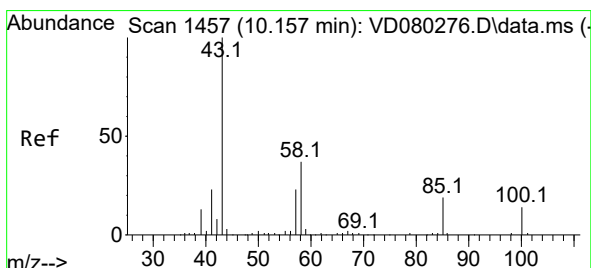
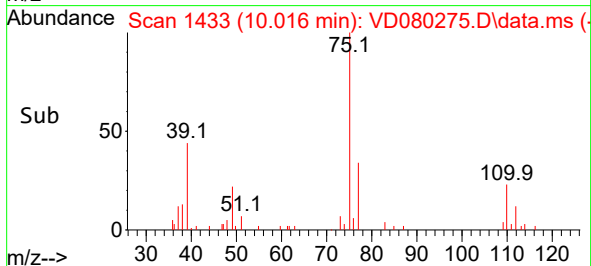
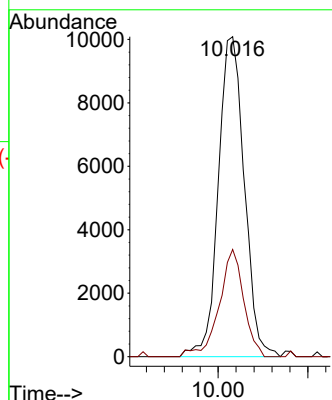
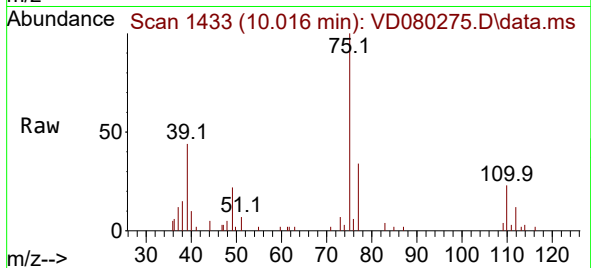




#39
 cis-1,3-Dichloropropene
 Concen: 4.56 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

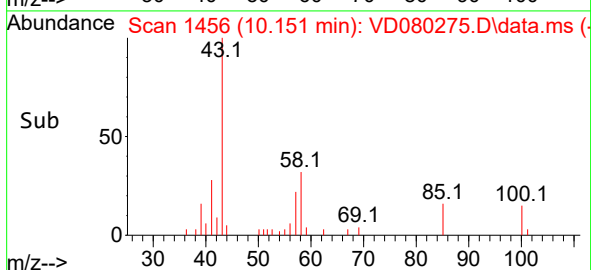
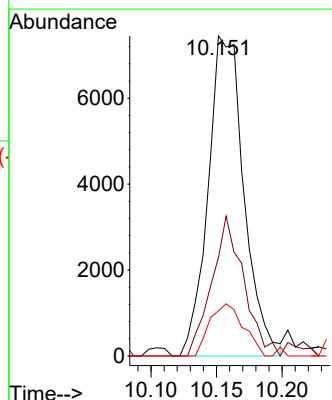
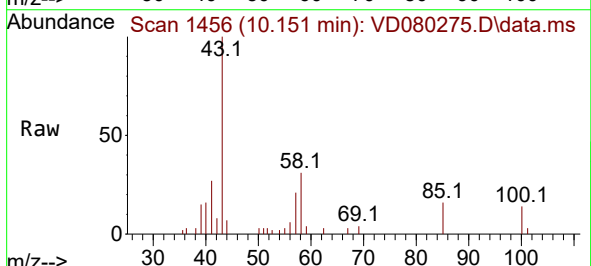
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005871

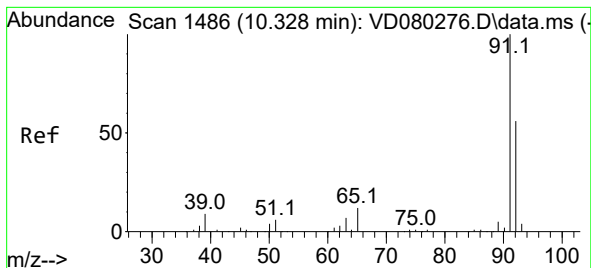
Tgt Ion: 75 Resp: 20286
 Ion Ratio Lower Upper
 75 100
 77 33.5 23.7 43.9



#40
 4-Methyl-2-pentanone
 Concen: 8.73 ug/L
 RT: 10.151 min Scan# 1456
 Delta R.T. -0.006 min
 Lab File: VD080275.D
 Acq: 18 Mar 2025 11:03

Tgt Ion: 43 Resp: 14174
 Ion Ratio Lower Upper
 43 100
 58 38.8 29.9 44.9
 100 15.4 11.3 16.9





#42

Toluene

Concen: 4.57 ug/L

RT: 10.334 min Scan# 1486

Delta R.T. 0.006 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Instrument :

MSVOA_D

ClientSampleId :

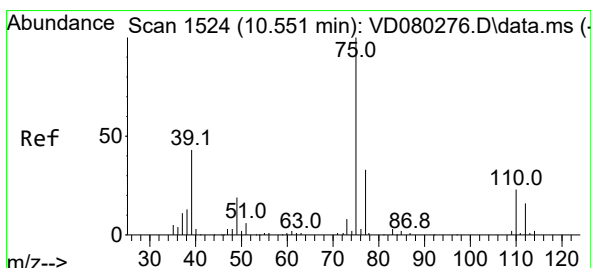
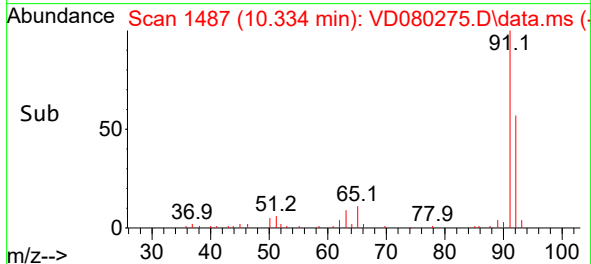
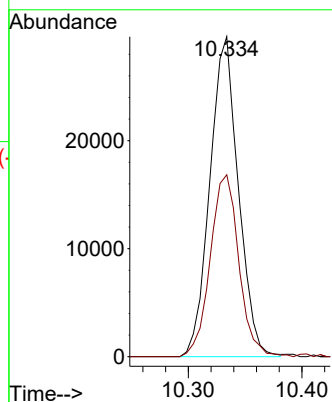
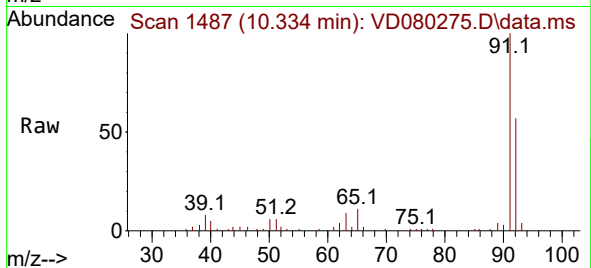
VSTD005871

Tgt Ion: 91 Resp: 51590

Ion Ratio Lower Upper

91 100

92 56.8 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 4.79 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080275.D

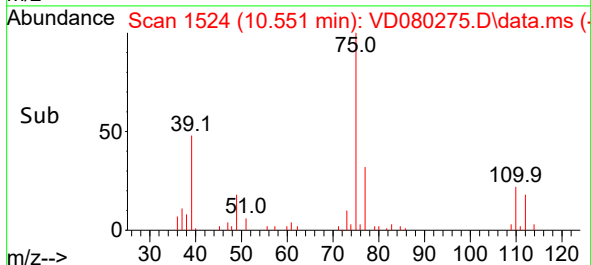
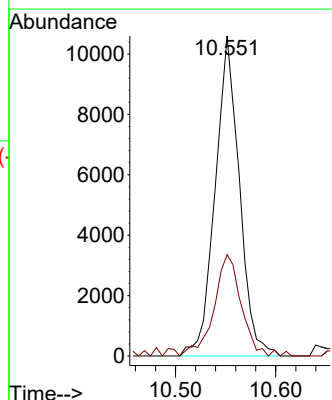
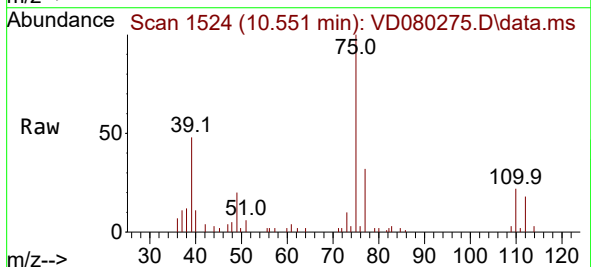
Acq: 18 Mar 2025 11:03

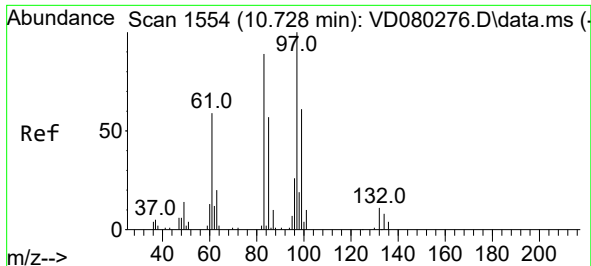
Tgt Ion: 75 Resp: 17794

Ion Ratio Lower Upper

75 100

77 31.7 22.9 42.5

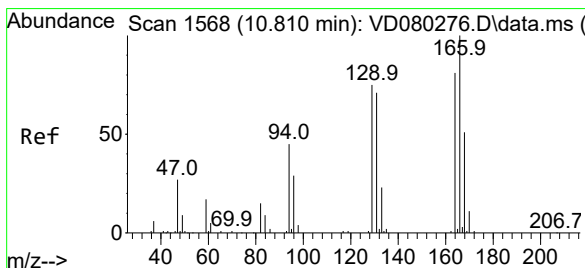
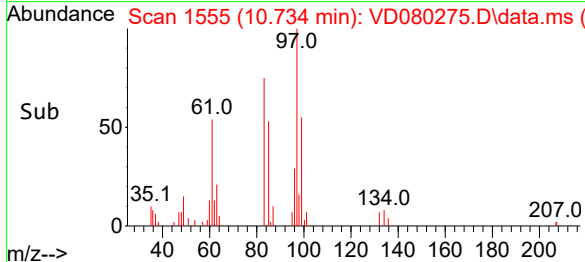
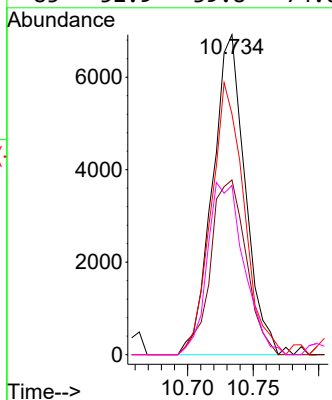
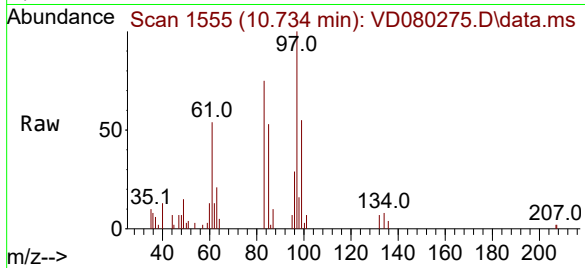




#45
1,1,2-Trichloroethane
Concen: 5.21 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

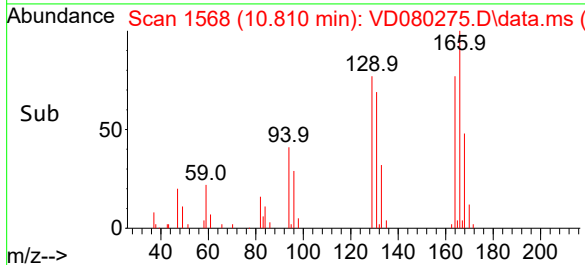
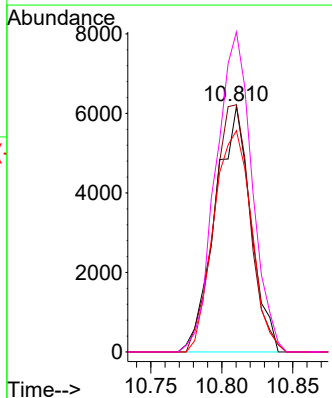
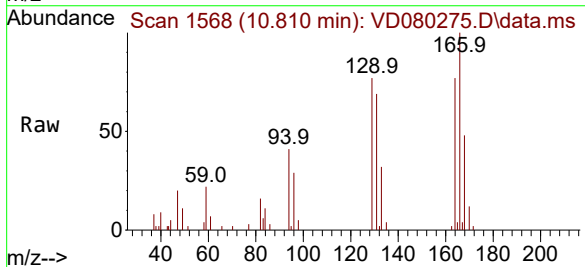
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

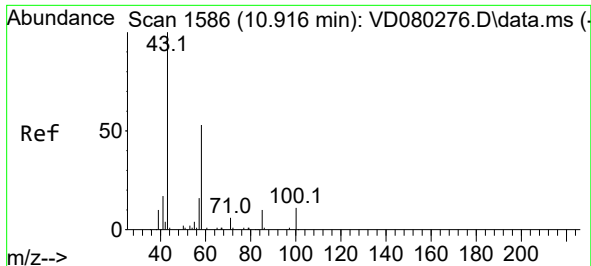
Tgt Ion: 97	Resp: 11971
Ion Ratio	Lower Upper
97 100	
99 54.6	43.0 79.8
83 75.2	62.2 115.4
85 52.9	39.8 74.0



#46
Tetrachloroethene
Concen: 4.92 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt	Ion:164	Resp:	10793
Ion	Ratio	Lower	Upper
164	100		
129	100.6	64.9	120.5
131	90.1	61.5	114.3
166	130.3	86.5	160.7

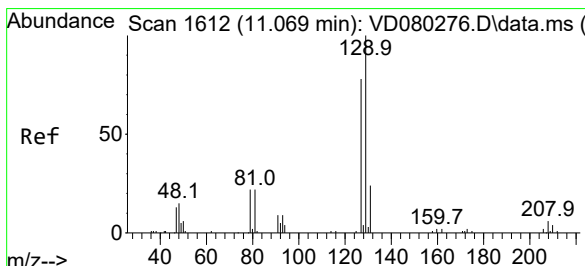
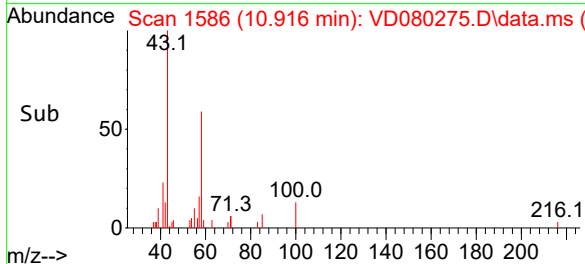
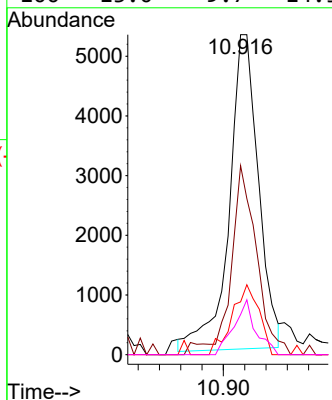
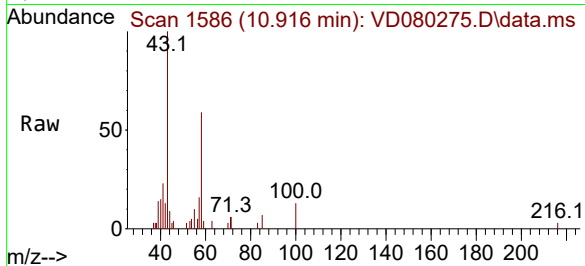




#48
2-Hexanone
Concen: 8.76 ug/L
RT: 10.916 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

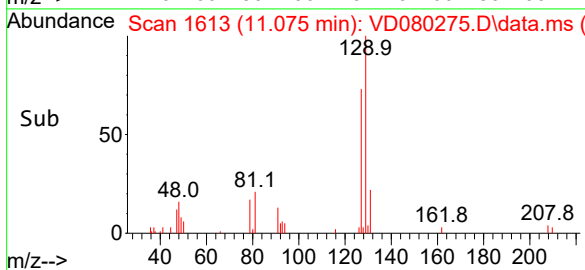
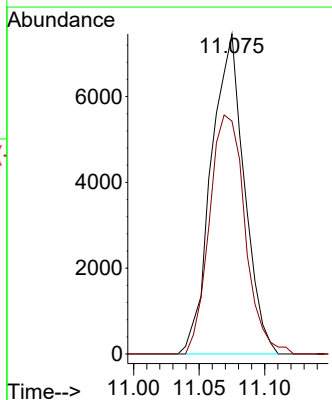
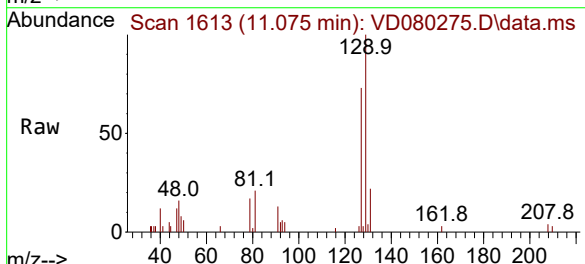
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

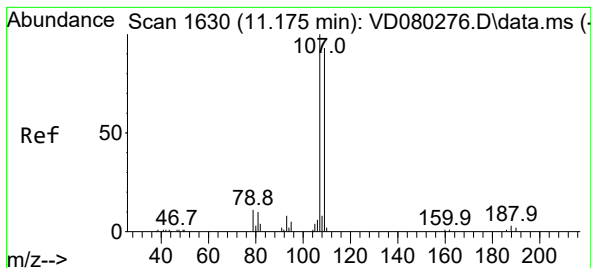
Tgt Ion: 43	Resp: 10100
Ion Ratio	Lower Upper
43 100	
58 49.5	42.8 64.2
57 20.4	15.0 22.4
100 13.0	9.7 14.5



#49
Dibromochloromethane
Concen: 5.03 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion:129	Resp:	13072	
Ion	Ratio	Lower	Upper
129	100		
127	72.7	54.9	101.9





#50

1,2-Dibromoethane

Concen: 4.91 ug/L

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

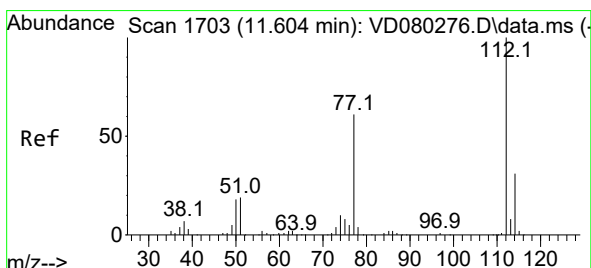
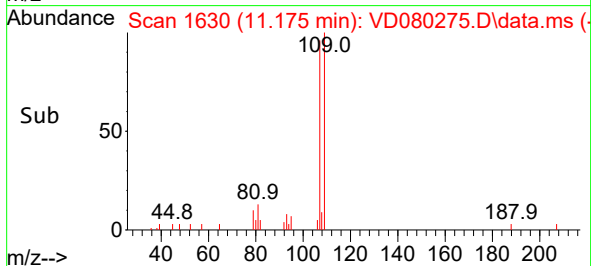
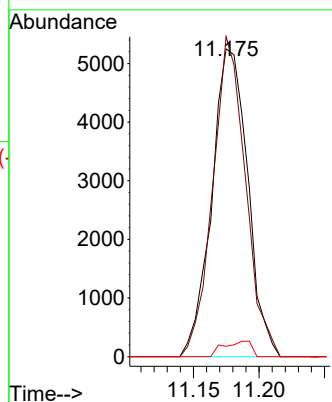
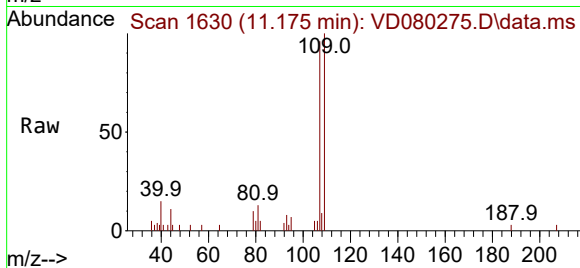
Instrument :

MSVOA_D

ClientSampleId :

VSTD005871

Tgt Ion:	107	Resp:	9990
Ion	Ratio	Lower	Upper
107	100		
109	104.0	65.5	121.6
188	3.4	2.2	3.2#



#51

Chlorobenzene

Concen: 5.03 ug/L

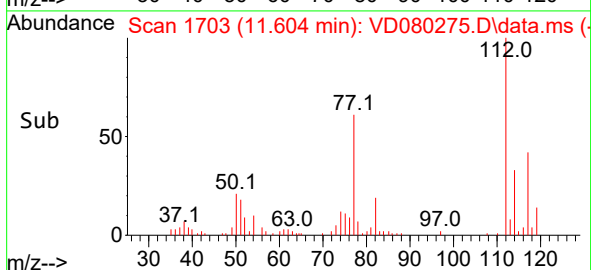
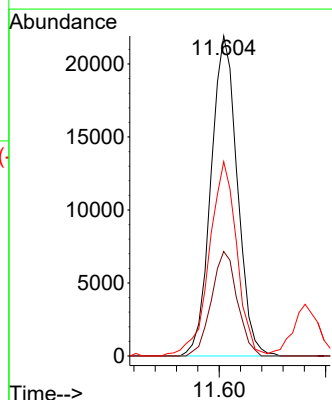
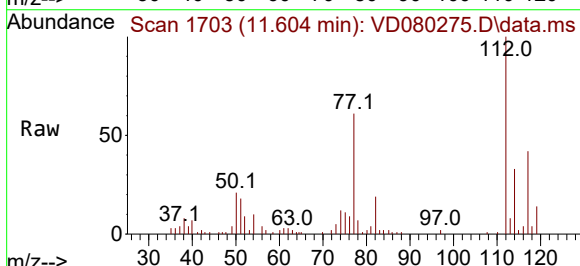
RT: 11.604 min Scan# 1703

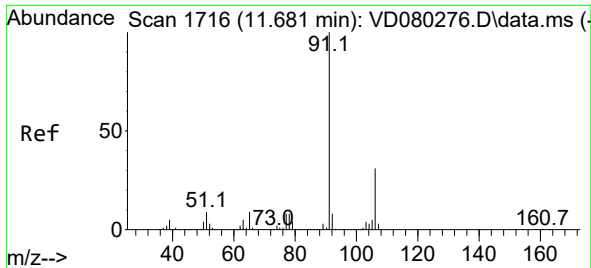
Delta R.T. 0.000 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Tgt Ion:	112	Resp:	37629
Ion	Ratio	Lower	Upper
112	100		
114	32.7	21.8	40.6
77	60.7	48.8	73.2

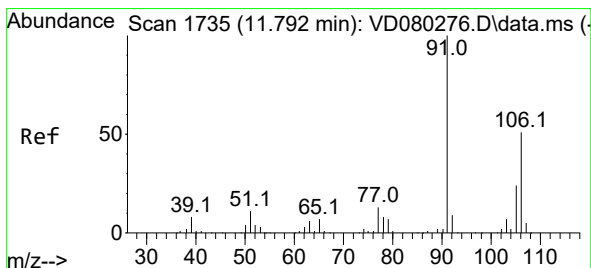
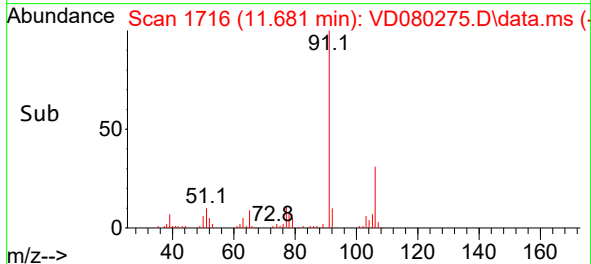
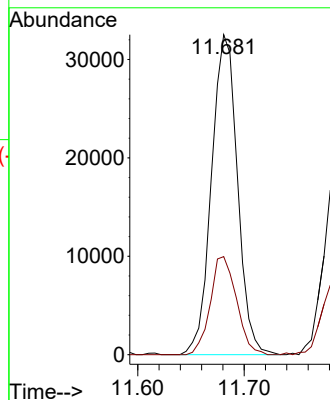
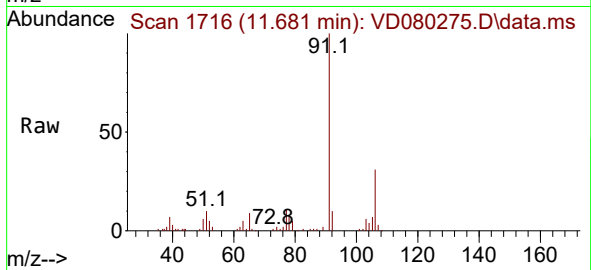




#52
Ethylbenzene
Concen: 4.48 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

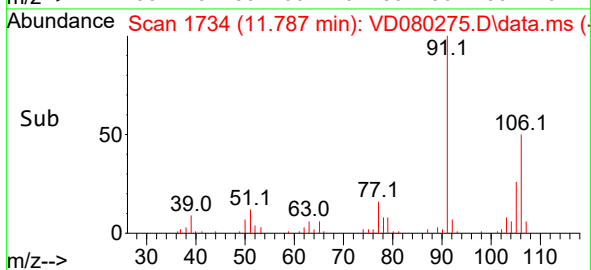
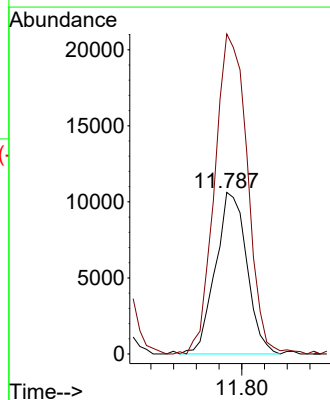
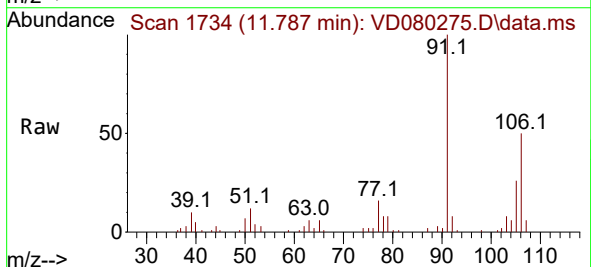
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

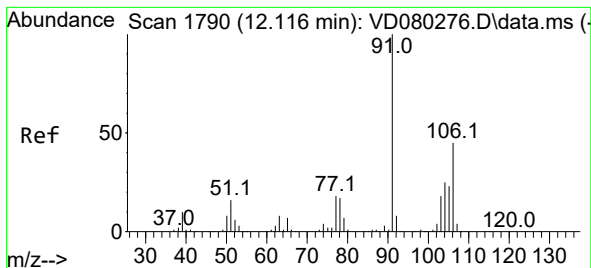
Tgt Ion: 91 Resp: 55081
Ion Ratio Lower Upper
91 100
106 30.7 21.4 39.8



#53
m,p-Xylene
Concen: 4.46 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion: 106 Resp: 20310
Ion Ratio Lower Upper
106 100
91 198.0 138.0 256.2





#54

o-Xylene

Concen: 4.24 ug/L

RT: 12.116 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Instrument :

MSVOA_D

ClientSampleId :

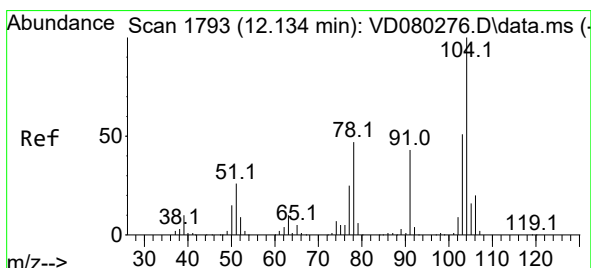
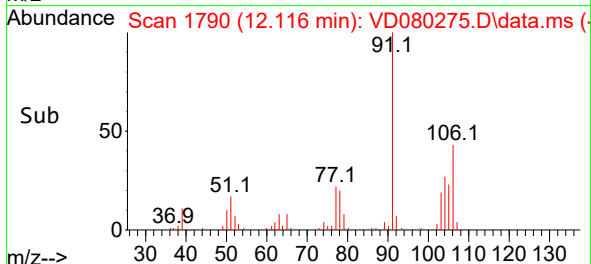
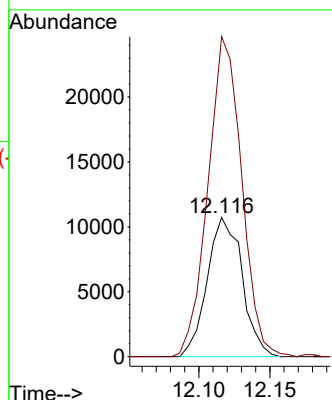
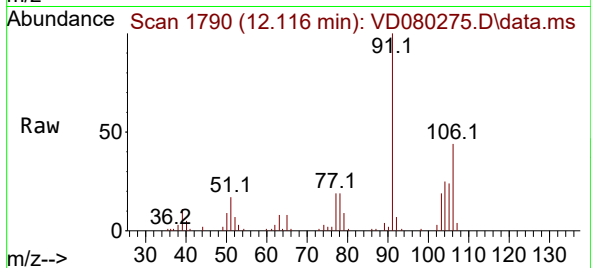
VSTD005871

Tgt Ion:106 Resp: 18324

Ion Ratio Lower Upper

106 100

91 229.8 156.5 290.7



#55

Styrene

Concen: 4.28 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD080275.D

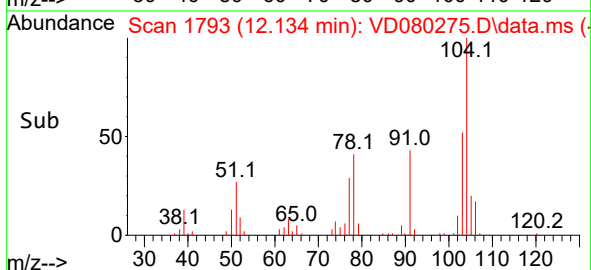
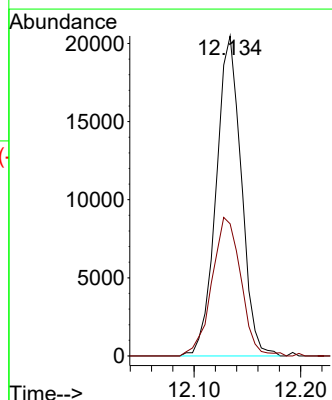
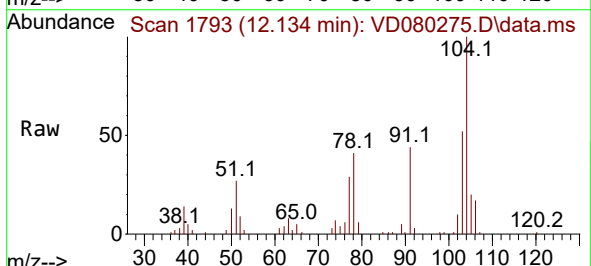
Acq: 18 Mar 2025 11:03

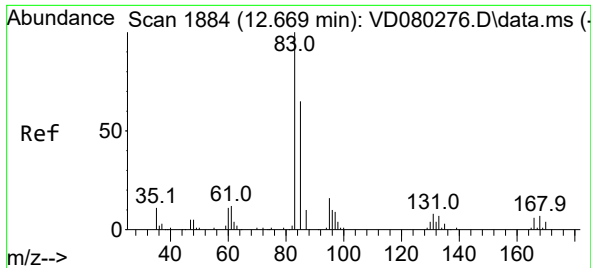
Tgt Ion:104 Resp: 33559

Ion Ratio Lower Upper

104 100

78 41.3 32.7 60.7

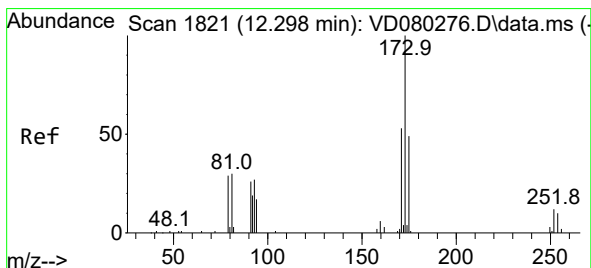
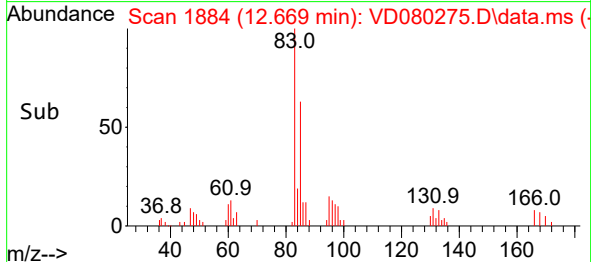
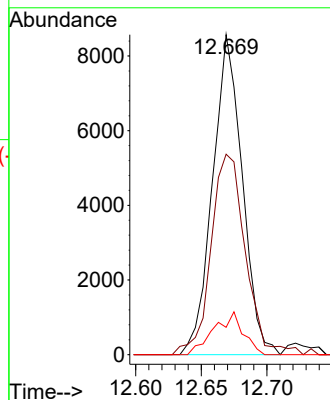
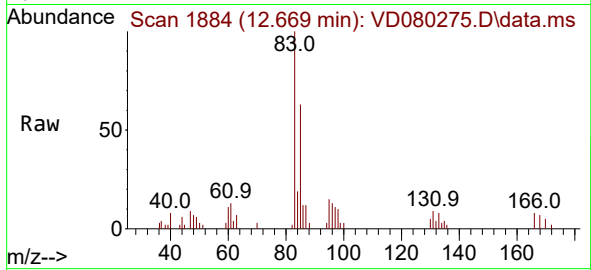




#57
1,1,2,2-Tetrachloroethane
Concen: 4.85 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

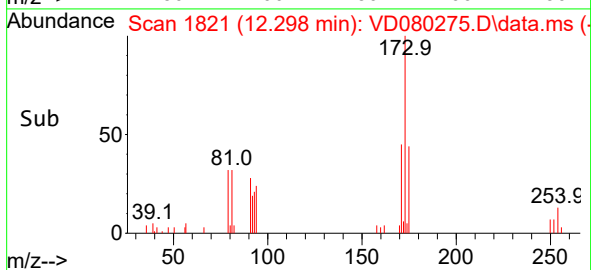
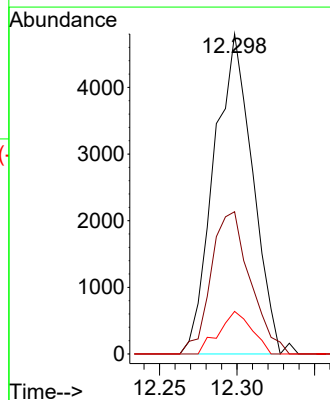
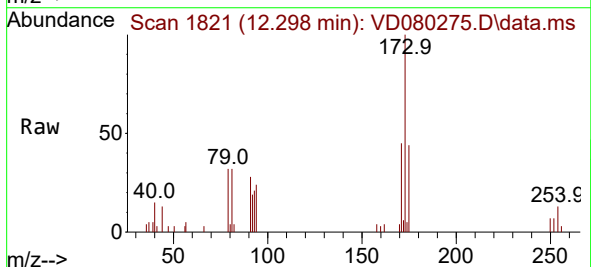
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

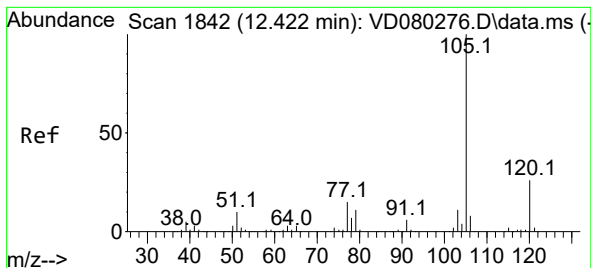
Tgt Ion: 83 Resp: 13497
Ion Ratio Lower Upper
83 100
85 62.7 46.1 85.7
131 8.5 6.9 10.3



#59
Bromoform
Concen: 5.69 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion: 173 Resp: 8298
Ion Ratio Lower Upper
173 100
175 45.3 38.8 58.2
254 11.3 7.8 11.6





#60

Isopropylbenzene

Concen: 4.81 ug/L

RT: 12.416 min Scan# 1841

Delta R.T. -0.006 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD005871

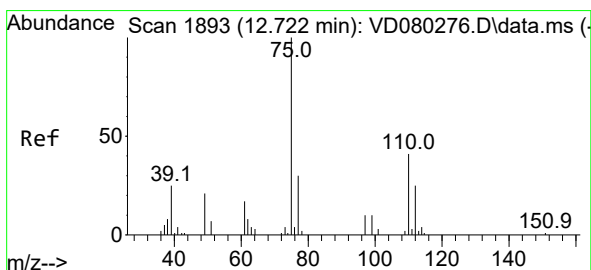
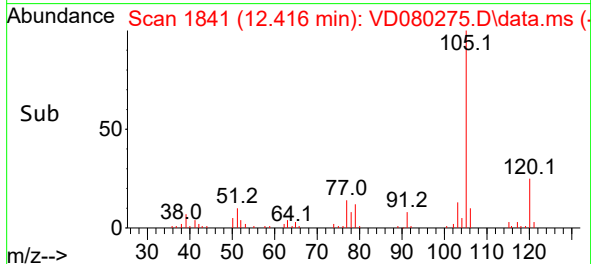
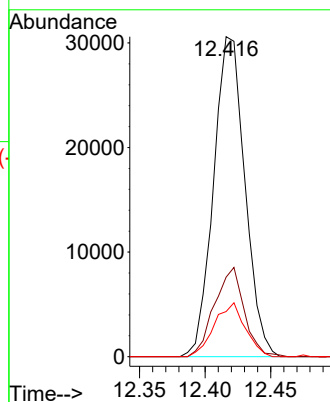
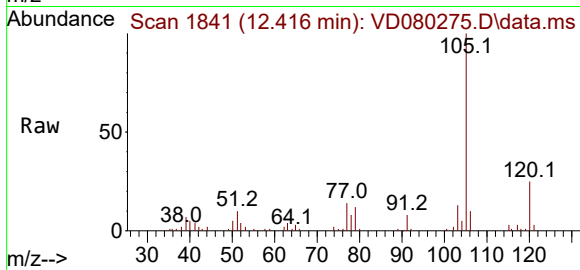
Tgt Ion:105 Resp: 50940

Ion Ratio Lower Upper

105 100

120 26.5 20.6 31.0

77 16.6 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 5.35 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

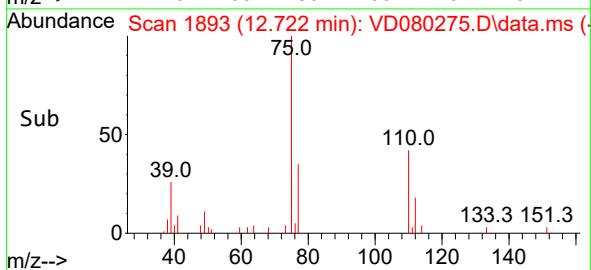
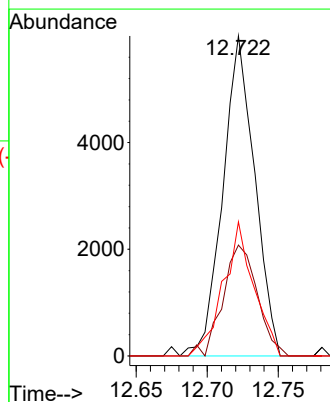
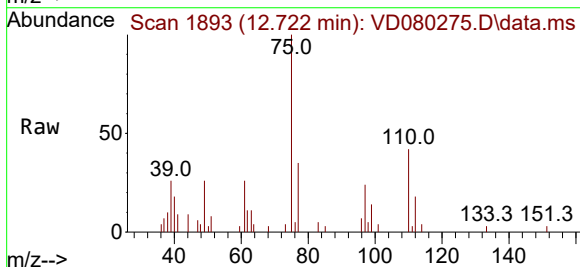
Tgt Ion: 75 Resp: 9338

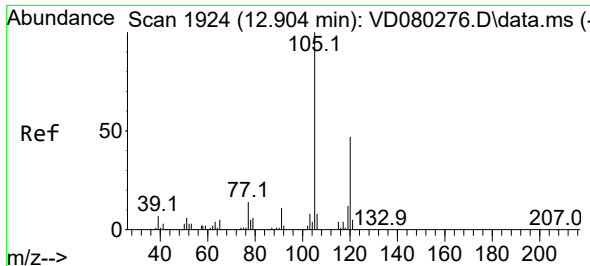
Ion Ratio Lower Upper

75 100

77 36.7 25.5 38.3

110 40.2 30.7 46.1

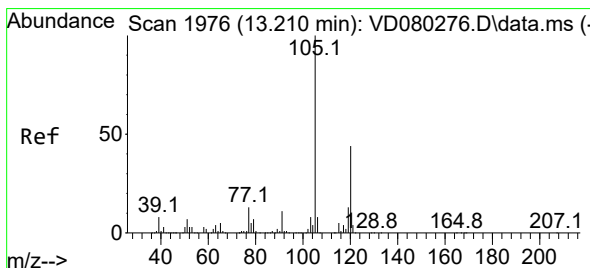
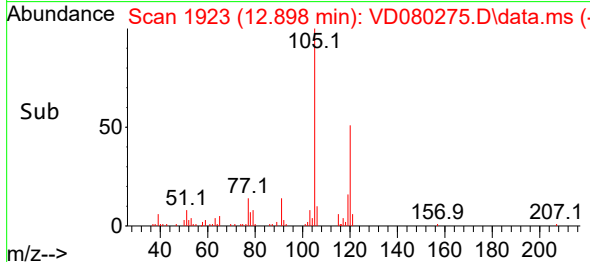
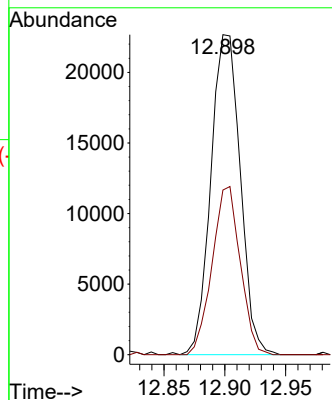
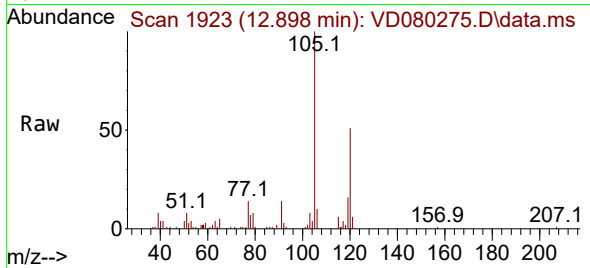




#62
1,3,5-Trimethylbenzene
Concen: 4.56 ug/L
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

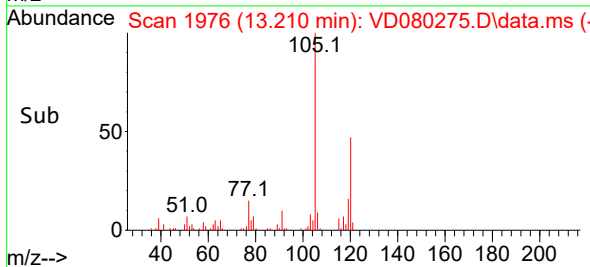
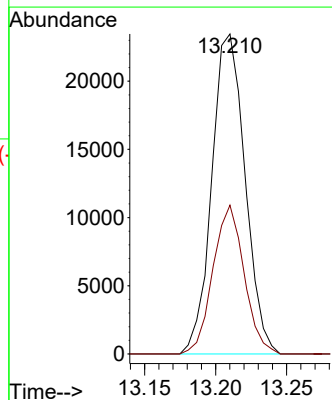
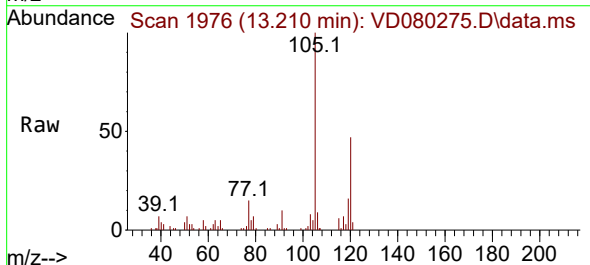
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

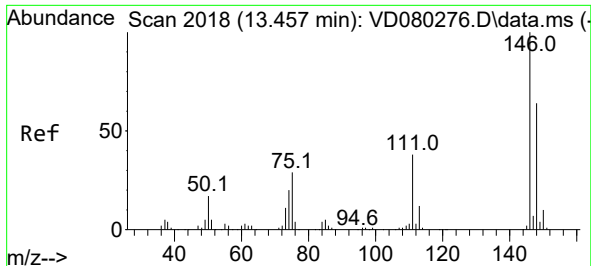
Tgt Ion:105 Resp: 38092
Ion Ratio Lower Upper
105 100
120 50.2 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 4.50 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion:105 Resp: 38212
Ion Ratio Lower Upper
105 100
120 43.5 36.2 54.4

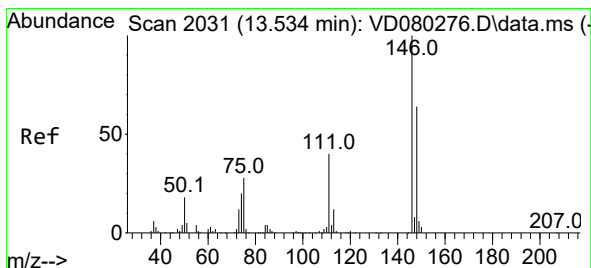
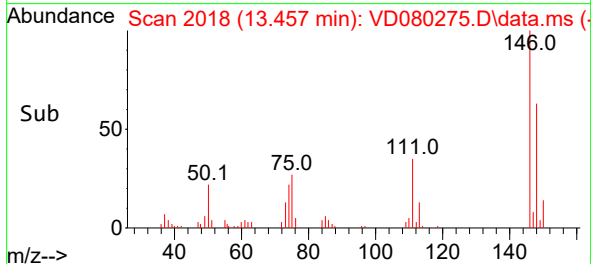
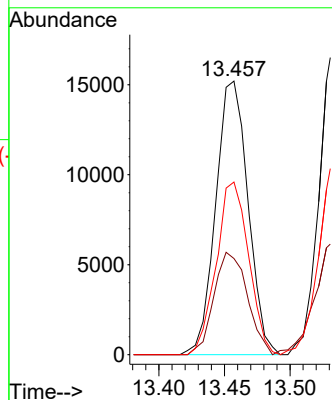
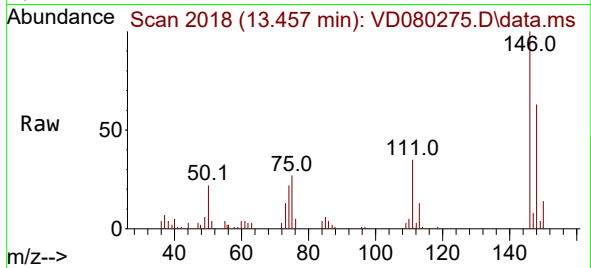




#64
1,3-Dichlorobenzene
Concen: 4.91 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

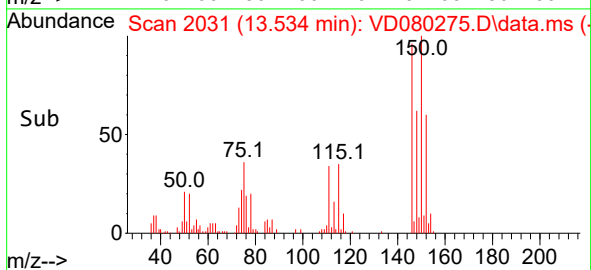
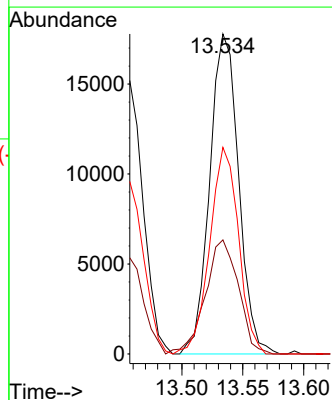
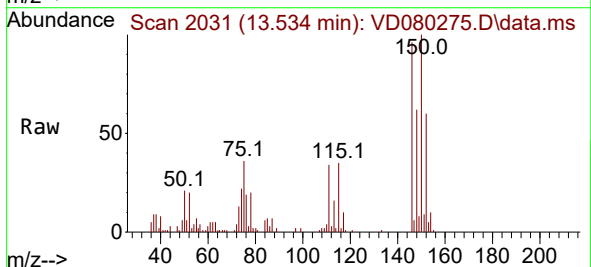
Instrument :
MSVOA_D
ClientSampleId :
VSTD005871

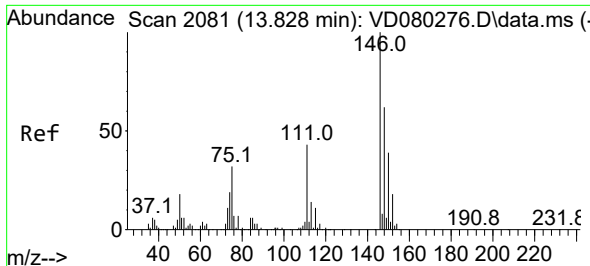
Tgt Ion:146 Resp: 26025
Ion Ratio Lower Upper
146 100
111 35.1 26.9 49.9
148 63.1 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.15 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD080275.D
Acq: 18 Mar 2025 11:03

Tgt Ion:146 Resp: 29369
Ion Ratio Lower Upper
146 100
111 35.7 27.9 51.7
148 64.5 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 4.86 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD005871

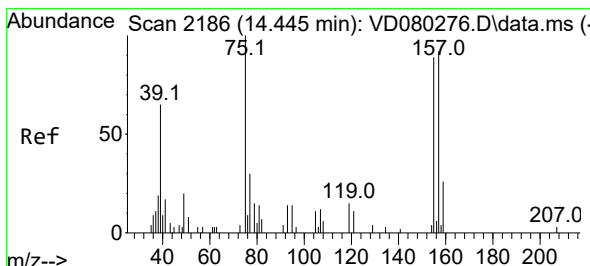
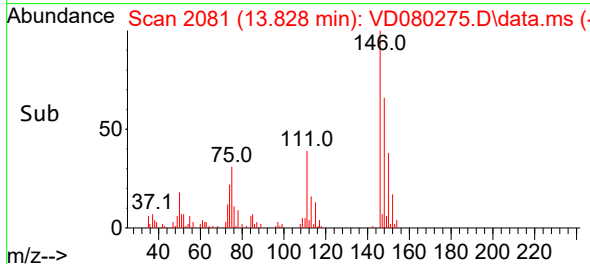
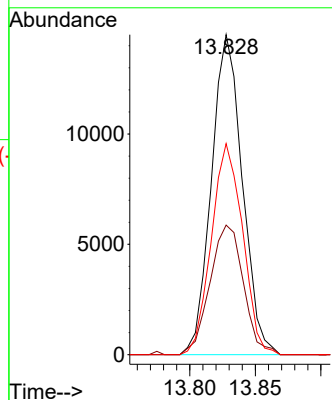
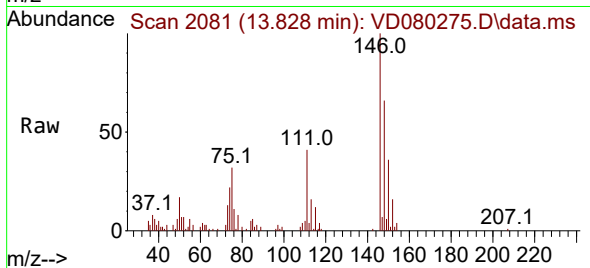
Tgt Ion:146 Resp: 23795

Ion Ratio Lower Upper

146 100

111 40.5 34.2 51.2

148 66.0 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 6.06 ug/L

RT: 14.439 min Scan# 2185

Delta R.T. -0.006 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

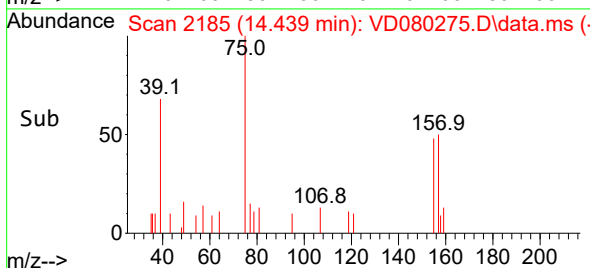
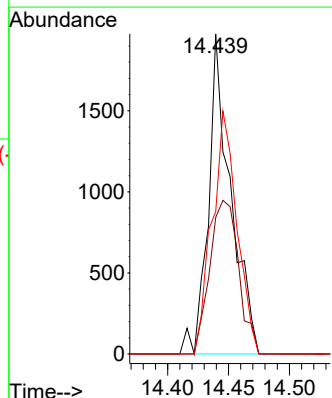
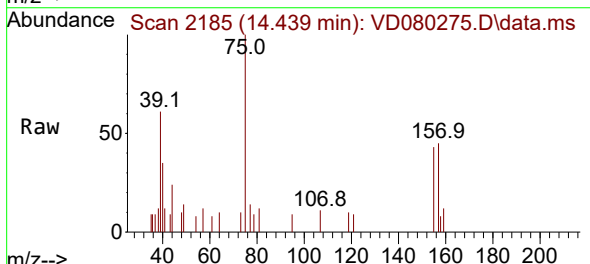
Tgt Ion: 75 Resp: 2500

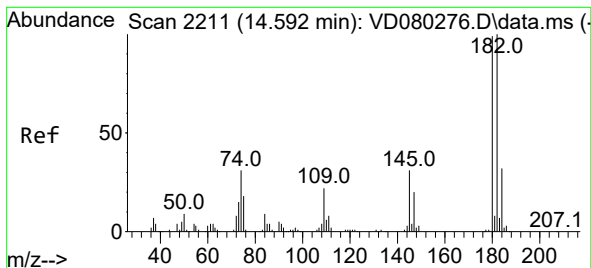
Ion Ratio Lower Upper

75 100

155 42.7 71.5 107.3#

157 44.5 73.5 110.3#





#69

1,3,5-Trichlorobenzene

Concen: 4.65 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD005871

Tgt Ion:180 Resp: 16193

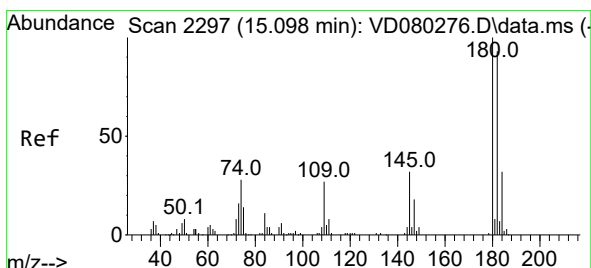
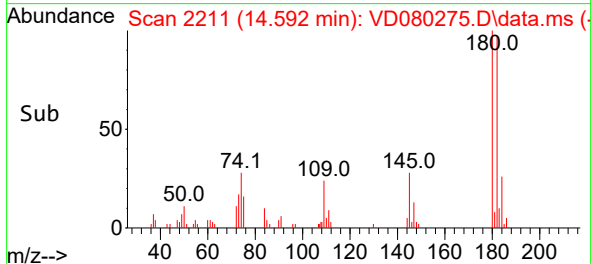
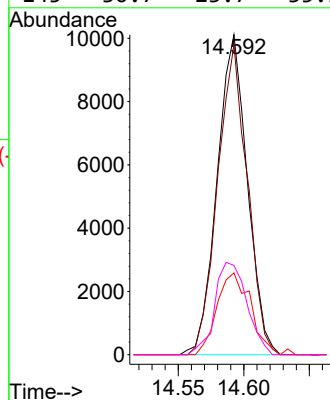
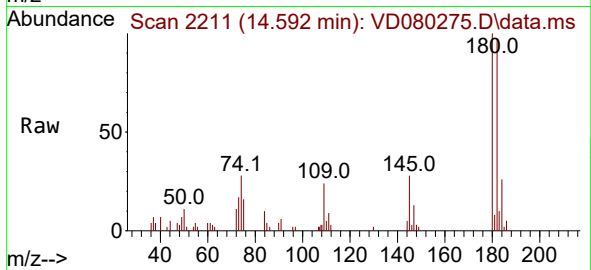
Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.4

184 28.4 24.0 36.0

145 30.7 23.7 35.5



#70

1,2,4-trichlorobenzene

Concen: 4.53 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

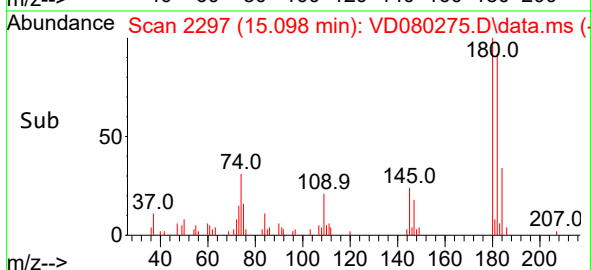
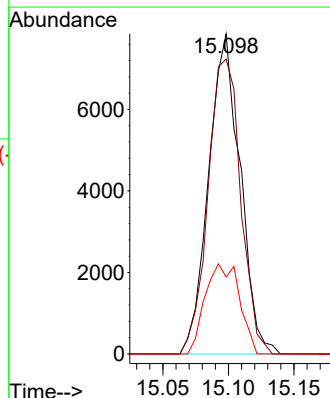
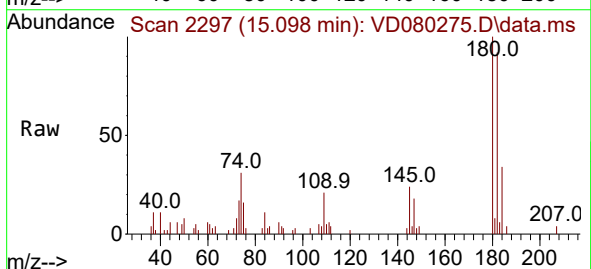
Tgt Ion:180 Resp: 13147

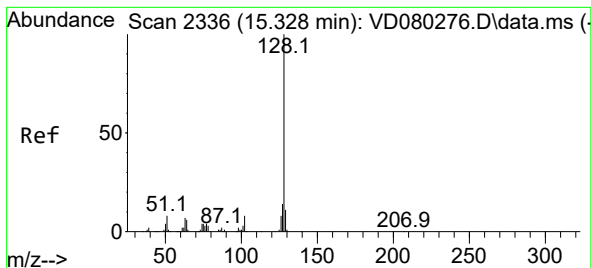
Ion Ratio Lower Upper

180 100

182 95.3 75.4 113.0

145 20.4 23.1 34.7#





#71

Naphthalene

Concen: 4.05 ug/L

RT: 15.328 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD005871

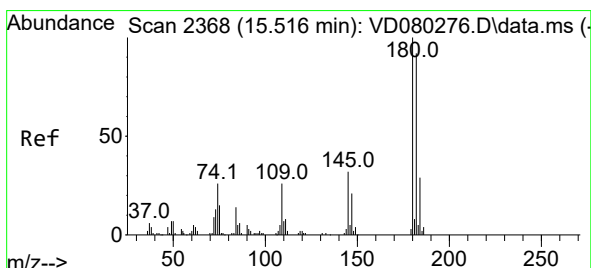
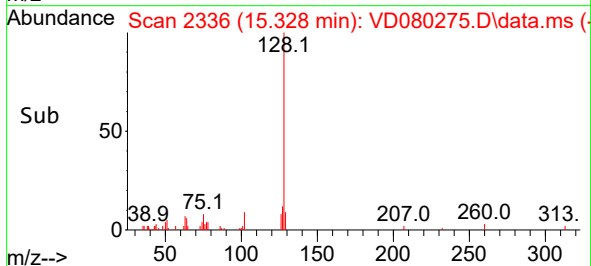
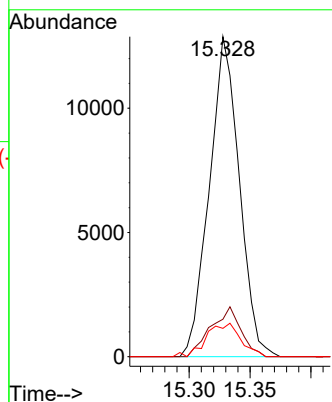
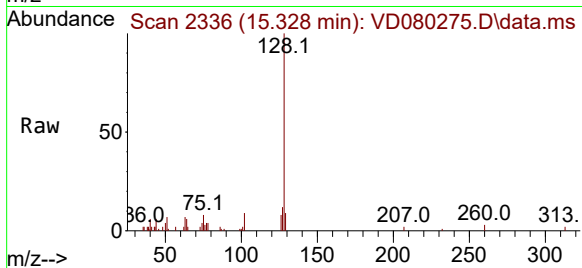
Tgt Ion:128 Resp: 22058

Ion Ratio Lower Upper

128 100

127 15.6 11.4 17.2

129 6.5 9.0 13.4#



#72

1,2,3-Trichlorobenzene

Concen: 4.36 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.006 min

Lab File: VD080275.D

Acq: 18 Mar 2025 11:03

Tgt Ion:180 Resp: 11418

Ion Ratio Lower Upper

180 100

182 103.8 73.8 110.6

145 31.0 24.8 37.2

