

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111925\
 Data File : VU063743.D
 Acq On : 19 Nov 2025 11:53
 Operator : MD/SY
 Sample : VSTD02031
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020031

Quant Time: Nov 20 02:51:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 02:48:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	155499	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	166839	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	116886	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.579	65	367092	37.342	ug/L	0.00
7) Chloroethane-d5	1.885	69	317544	34.761	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.538	65	170439	36.573	ug/L	0.00
20) 2-Butanone-d5	4.586	46	813556	334.336	ug/L	0.00
24) Chloroform-d	5.026	84	795875	35.323	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.666	65	407955	34.405	ug/L	0.00
32) Benzene-d6	5.692	84	1538630	32.750	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.660	67	442223	30.011	ug/L	0.00
41) Toluene-d8	7.869	98	1489417	34.716	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.152	79	165829	39.700	ug/L	0.00
46) 2-Hexanone-d5	8.605	63	660238	334.165	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.727	84	372928	32.450	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.164	152	556500	28.188	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.370	85	244652	19.833	ug/L	98
3) Chloromethane	1.502	50	186323	14.592	ug/L	99
5) Vinyl chloride	1.586	62	239633	17.062	ug/L	98
6) Bromomethane	1.824	94	149128	17.648	ug/L	93
8) Chloroethane	1.907	64	172158	19.217	ug/L	99
9) Trichlorofluoromethane	2.113	101	464563	23.338	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.551	101	286571	24.868	ug/L	100
12) 1,1-Dichloroethene	2.551	96	222254	21.595	ug/L	91
13) Acetone	2.602	43	567696	271.940	ug/L	99
14) Carbon disulfide	2.763	76	287247	11.924	ug/L	100
15) Methyl Acetate	2.923	43	108717	24.000	ug/L	99
16) Methylene chloride	3.014	84	300850	24.715	ug/L	98
17) Methyl tert-butyl Ether	3.332	73	804642	29.881	ug/L	99
18) trans-1,2-Dichloroethene	3.319	96	236550	22.329	ug/L	99
19) 1,1-Dichloroethane	3.830	63	560186	25.213	ug/L	99
21) 2-Butanone	4.666	43	860001	282.871	ug/L	97
22) cis-1,2-Dichloroethene	4.631	96	336183	26.773	ug/L	99
23) Bromochloromethane	4.939	128	142529	26.216	ug/L	95
25) Chloroform	5.049	83	652121	27.779	ug/L	97
27) 1,2-Dichloroethane	5.759	62	408334	26.910	ug/L	99
29) 1,1,1-Trichloroethane	5.280	97	529154	25.830	ug/L	100
30) Cyclohexane	5.354	56	363459	16.688	ug/L	99
31) Carbon tetrachloride	5.489	117	405534	25.554	ug/L	99
33) Benzene	5.740	78	1177835	22.078	ug/L	100
34) Trichloroethene	6.512	95	340604	23.000	ug/L	96
35) Methylcyclohexane	6.734	83	396135	18.397	ug/L	96
37) 1,2-Dichloropropane	6.759	63	333664	22.915	ug/L	99
38) Bromodichloromethane	7.074	83	464260	28.220	ug/L	98
39) cis-1,3-Dichloropropene	7.579	75	498010	29.093	ug/L	95
40) 4-Methyl-2-pentanone	7.763	43	2090936	253.433	ug/L	99
42) Toluene	7.943	91	1358532	23.197	ug/L	98
44) trans-1,3-Dichloropropene	8.181	75	379343	29.678	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111925\
 Data File : VU063743.D
 Acq On : 19 Nov 2025 11:53
 Operator : MD/SY
 Sample : VSTD02031
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020031

Quant Time: Nov 20 02:51:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 02:48:03 2025
 Response via : Initial Calibration

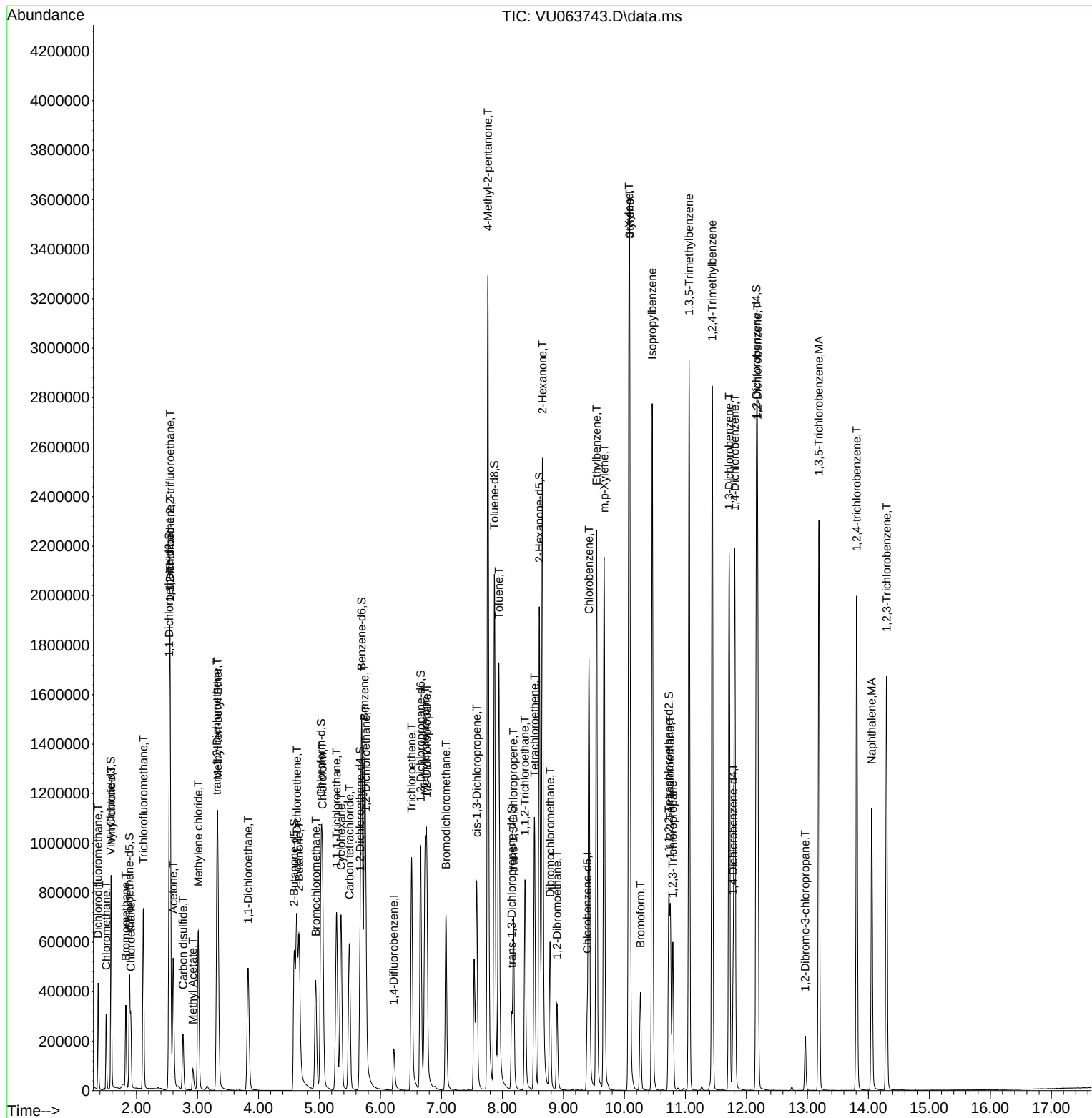
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.370	97	271576	26.172	ug/L	98
47) Tetrachloroethene	8.528	164	254261	22.476	ug/L	98
48) 2-Hexanone	8.656	43	1591563	274.001	ug/L	98
49) Dibromochloromethane	8.782	129	304624	31.160	ug/L	99
50) 1,2-Dibromoethane	8.894	107	237295	26.096	ug/L	95
51) Chlorobenzene	9.418	112	970864	25.160	ug/L	99
52) Ethylbenzene	9.544	91	1684082	25.602	ug/L	99
53) m,p-Xylene	9.669	106	642246	26.218	ug/L	99
54) o-Xylene	10.074	106	643809	26.996	ug/L	97
55) Styrene	10.087	104	1119603	28.406	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.753	83	339887	27.529	ug/L	99
59) Bromoform	10.264	173	171948	26.098	ug/L	98
60) Isopropylbenzene	10.457	105	1814307	21.119	ug/L	99
61) 1,2,3-Trichloropropane	10.795	75	236176	20.408	ug/L	98
62) 1,3,5-Trimethylbenzene	11.061	105	1578673	22.516	ug/L	100
63) 1,2,4-Trimethylbenzene	11.441	105	1561206	23.246	ug/L	99
64) 1,3-Dichlorobenzene	11.717	146	861245	22.365	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	864618	22.177	ug/L	99
67) 1,2-Dichlorobenzene	12.184	146	799568	22.290	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	53929	29.765	ug/L	97
69) 1,3,5-Trichlorobenzene	13.190	180	675707	23.343	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	581354	26.047	ug/L	98
71) Naphthalene	14.055	128	906143	27.681	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	491408	25.964	ug/L	99

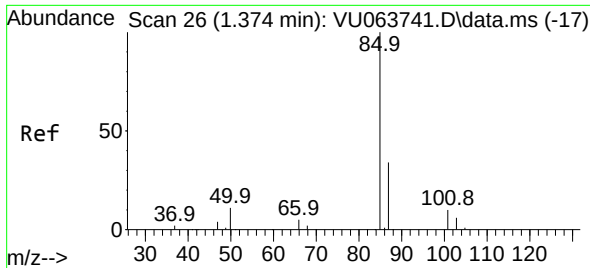
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111925\
 Data File : VU063743.D
 Acq On : 19 Nov 2025 11:53
 Operator : MD/SY
 Sample : VSTD02031
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020031

Quant Time: Nov 20 02:51:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 02:48:03 2025
 Response via : Initial Calibration

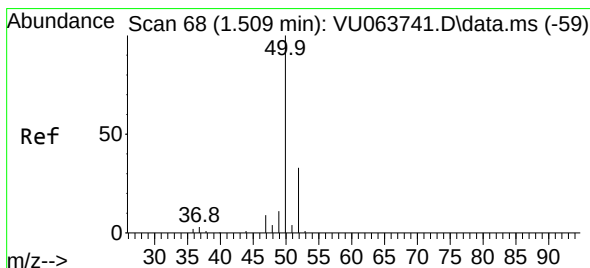
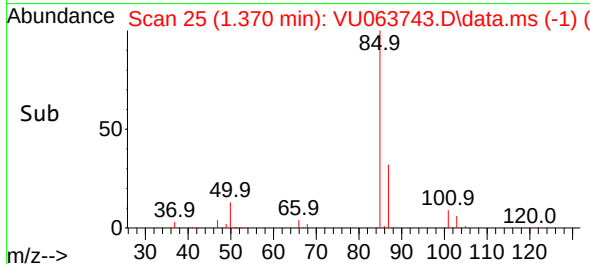
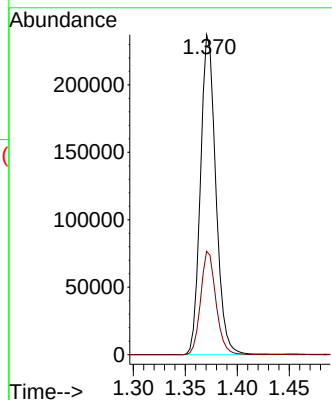
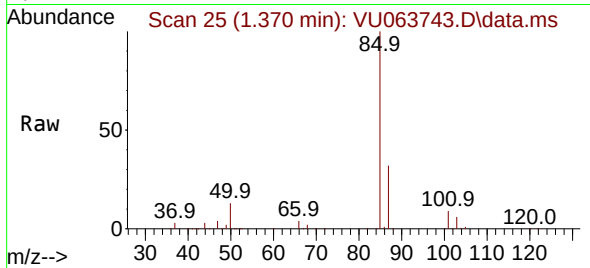




#2
 Dichlorodifluoromethane
 Concen: 19.833 ug/L
 RT: 1.370 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

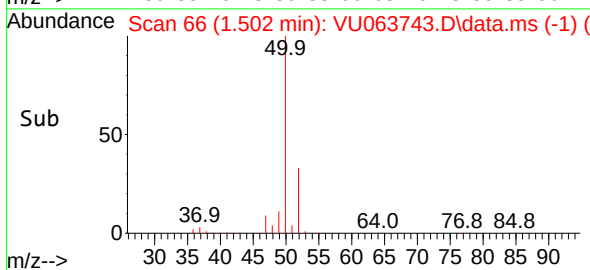
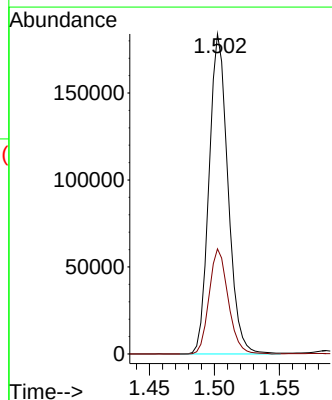
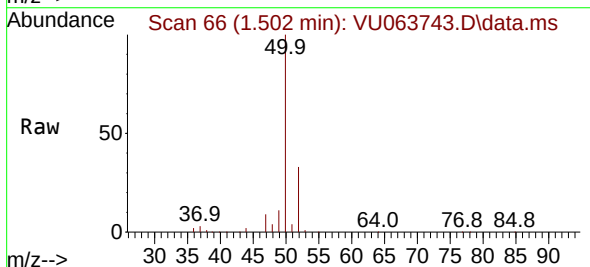
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020031

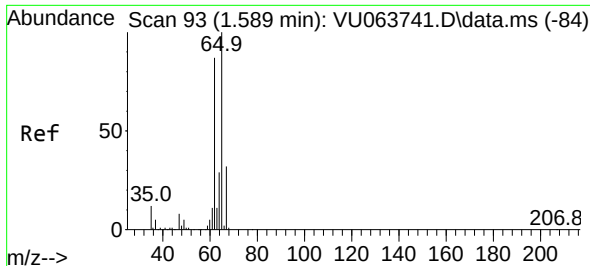
Tgt Ion: 85 Resp: 244652
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.4 39.6



#3
 Chloromethane
 Concen: 14.592 ug/L
 RT: 1.502 min Scan# 66
 Delta R.T. -0.006 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

Tgt Ion: 50 Resp: 186323
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.7 42.3

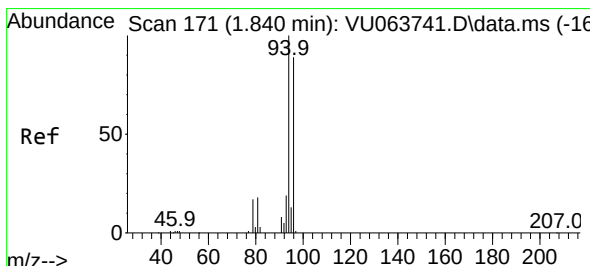
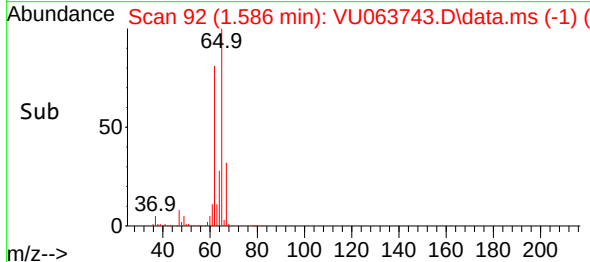
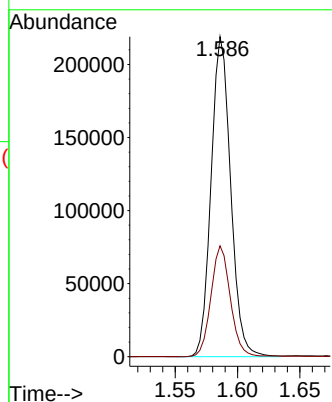
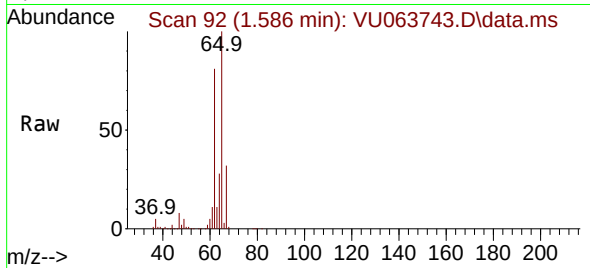




#5
 Vinyl chloride
 Concen: 17.062 ug/L
 RT: 1.586 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

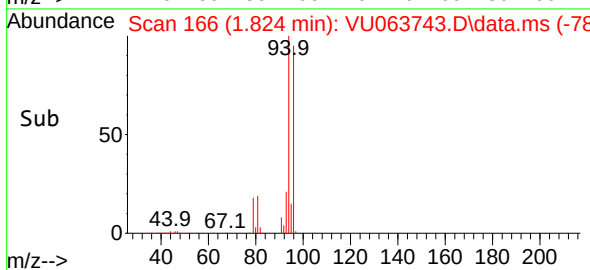
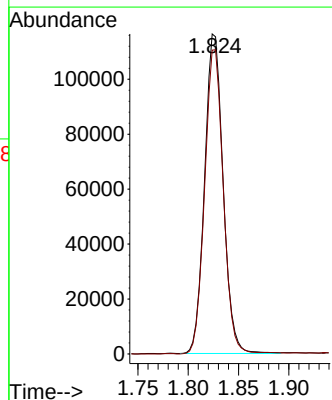
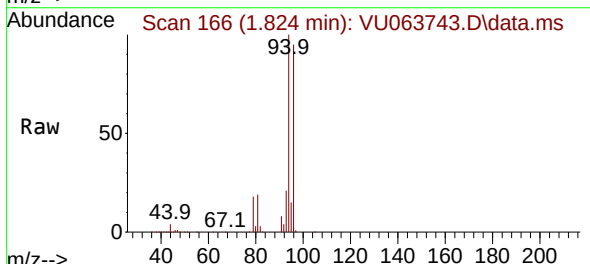
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020031

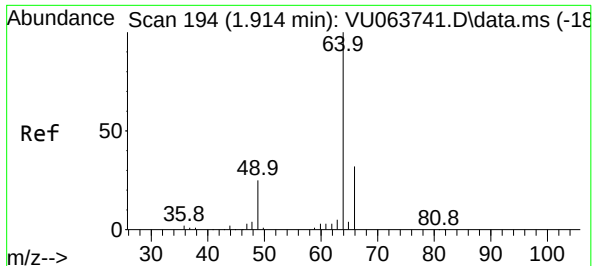
Tgt Ion: 62 Resp: 239633
 Ion Ratio Lower Upper
 62 100
 64 34.7 23.5 43.7



#6
 Bromomethane
 Concen: 17.648 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. -0.016 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

Tgt Ion: 94 Resp: 149128
 Ion Ratio Lower Upper
 94 100
 96 95.0 62.1 115.3





#8

Chloroethane

Concen: 19.217 ug/L

RT: 1.907 min Scan# 19

Delta R.T. -0.006 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

Instrument :

MSVOA_U

ClientSampleId :

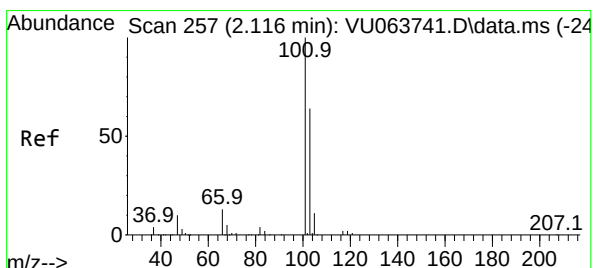
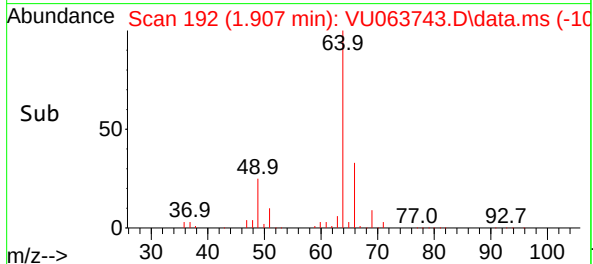
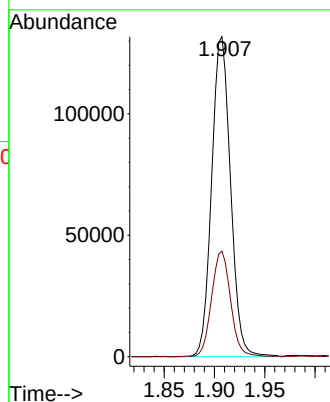
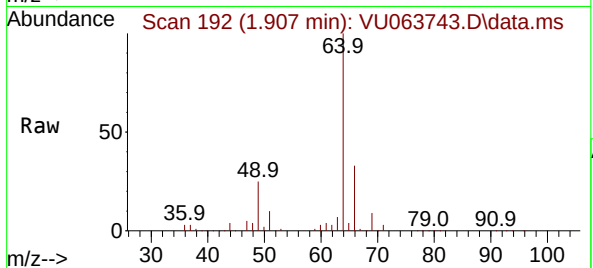
VSTD020031

Tgt Ion: 64 Resp: 172158

Ion Ratio Lower Upper

64 100

66 32.9 22.6 42.0



#9

Trichlorofluoromethane

Concen: 23.338 ug/L

RT: 2.113 min Scan# 256

Delta R.T. -0.003 min

Lab File: VU063743.D

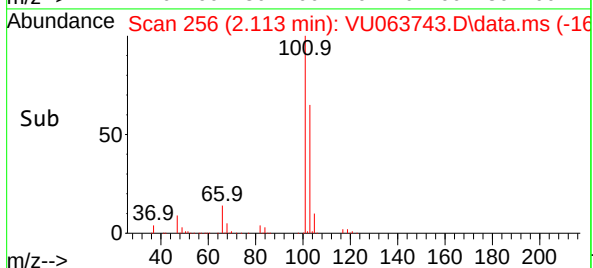
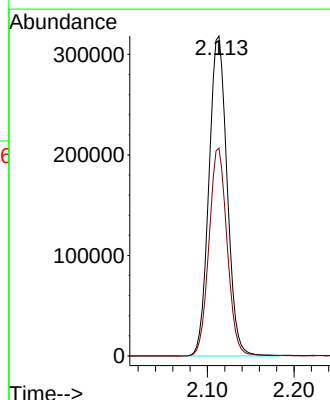
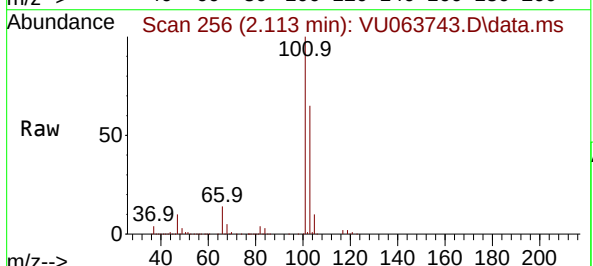
Acq: 19 Nov 2025 11:53

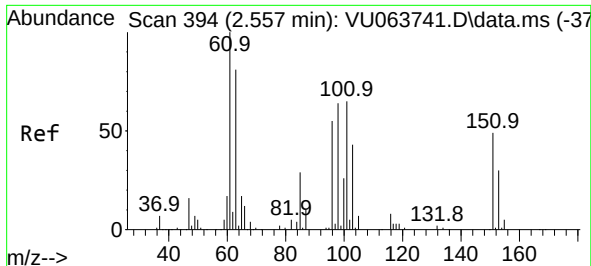
Tgt Ion:101 Resp: 464563

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.4

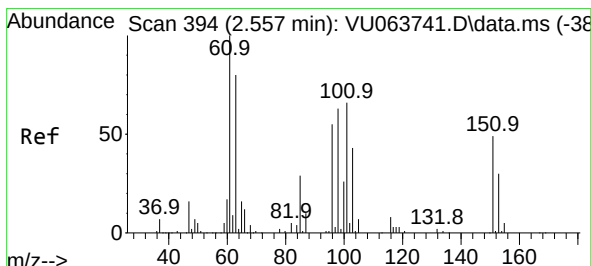
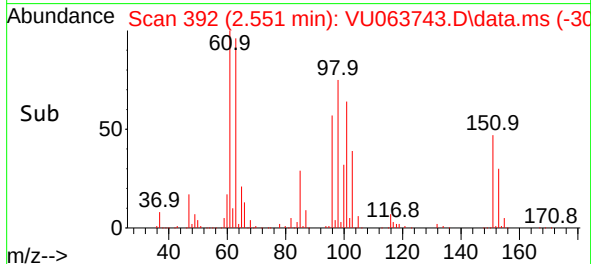
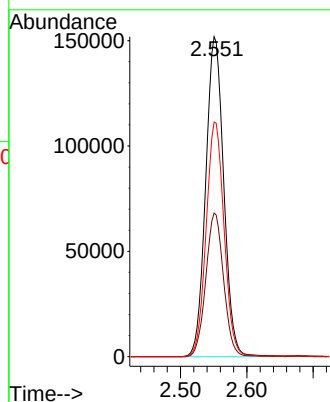
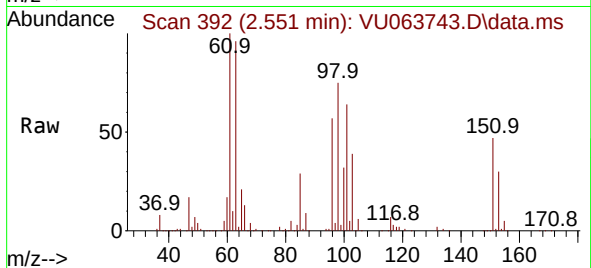




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.868 ug/L
 RT: 2.551 min Scan# 392
 Delta R.T. -0.006 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

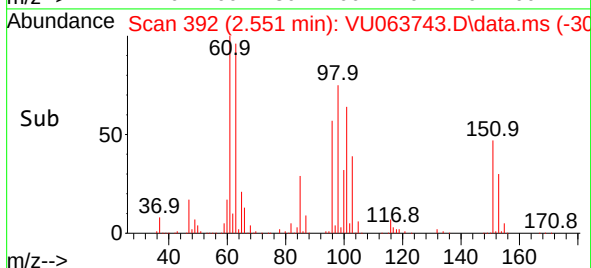
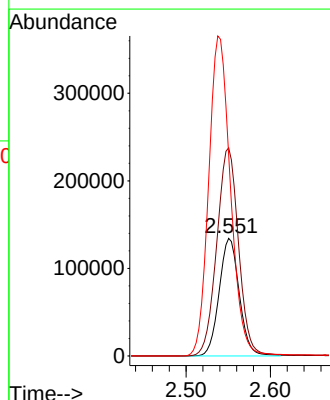
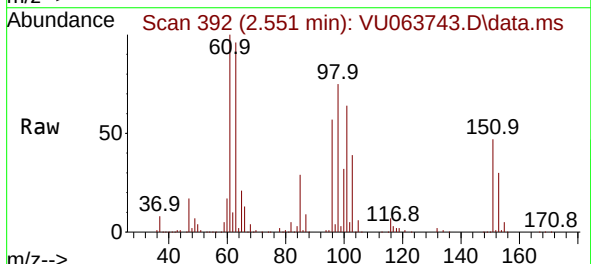
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020031

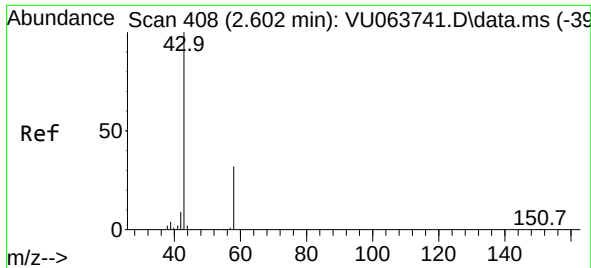
Tgt Ion:101 Resp: 286571
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.7 53.5
 151 73.0 58.1 87.1



#12
 1,1-Dichloroethene
 Concen: 21.595 ug/L
 RT: 2.551 min Scan# 392
 Delta R.T. -0.006 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

Tgt Ion: 96 Resp: 222254
 Ion Ratio Lower Upper
 96 100
 61 177.0 126.6 235.2
 63 170.5 104.2 193.4





#13

Acetone

Concen: 271.940 ug/L

RT: 2.602 min Scan# 408

Delta R.T. 0.000 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

Instrument :

MSVOA_U

ClientSampleId :

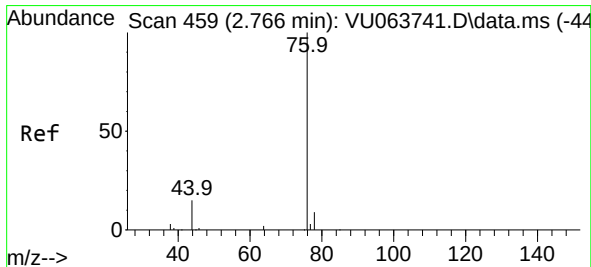
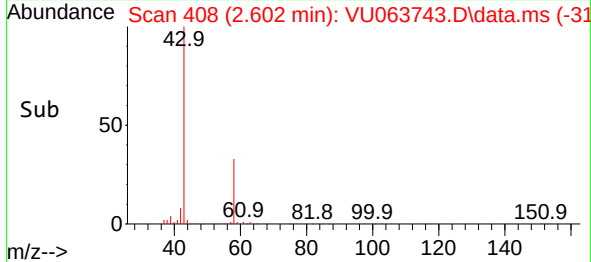
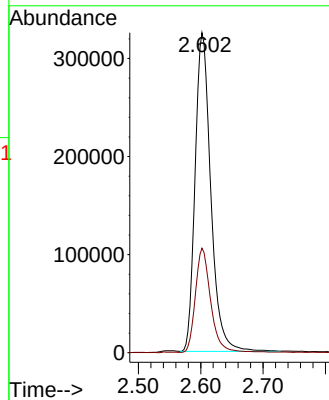
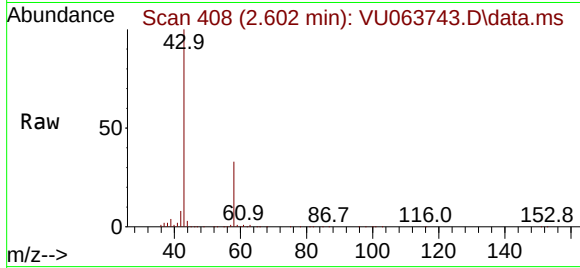
VSTD020031

Tgt Ion: 43 Resp: 567696

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.8



#14

Carbon disulfide

Concen: 11.924 ug/L

RT: 2.763 min Scan# 458

Delta R.T. -0.003 min

Lab File: VU063743.D

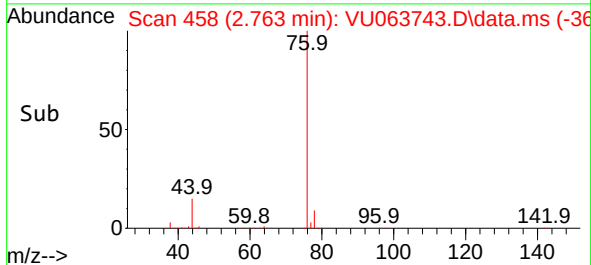
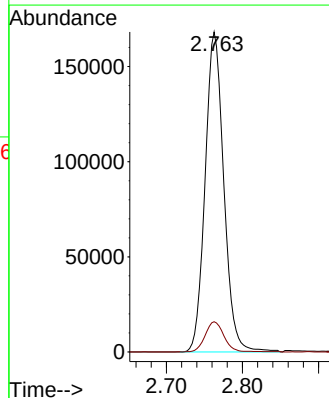
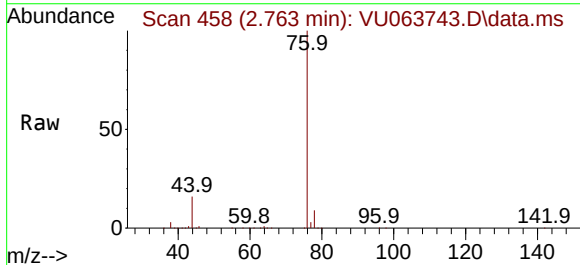
Acq: 19 Nov 2025 11:53

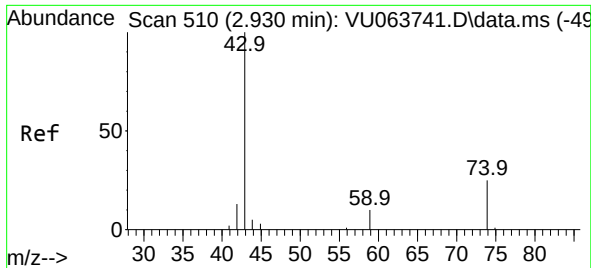
Tgt Ion: 76 Resp: 287247

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

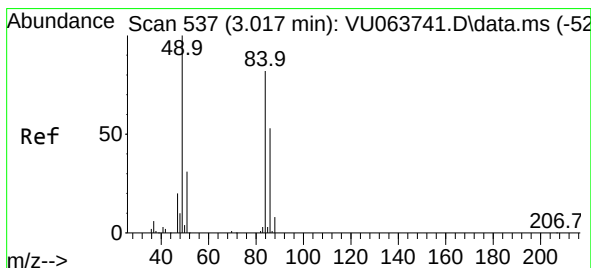
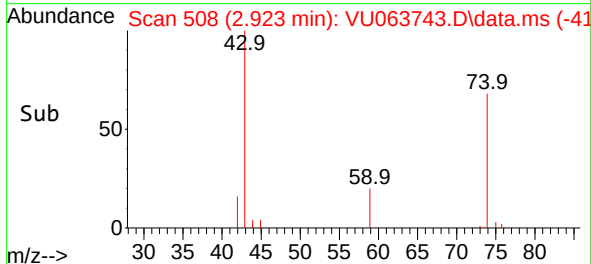
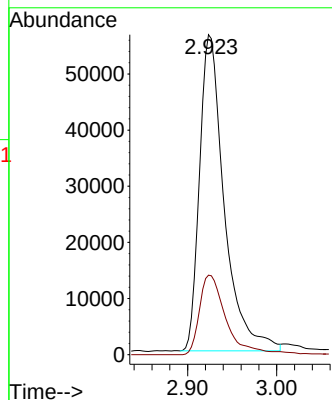
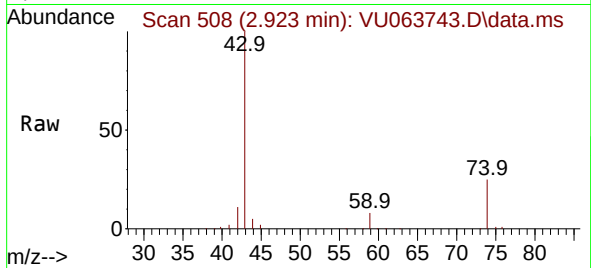




#15
Methyl Acetate
Concen: 24.000 ug/L
RT: 2.923 min Scan# 510
Delta R.T. -0.006 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

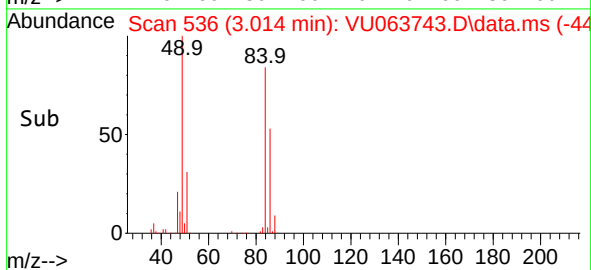
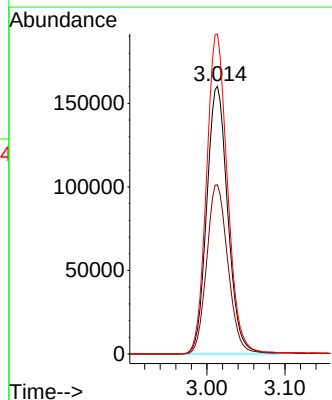
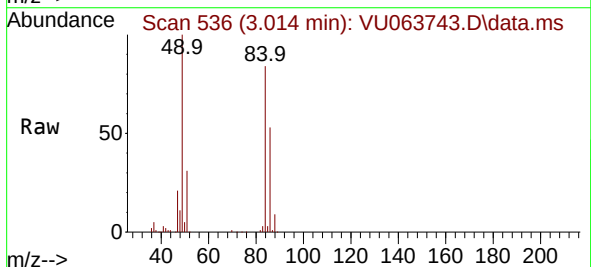
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

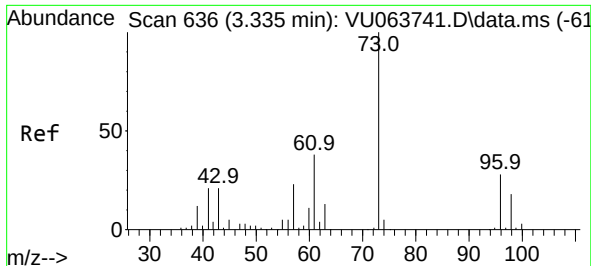
Tgt Ion: 43 Resp: 108717
Ion Ratio Lower Upper
43 100
74 27.4 21.7 32.5



#16
Methylene chloride
Concen: 24.715 ug/L
RT: 3.014 min Scan# 536
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion: 84 Resp: 300850
Ion Ratio Lower Upper
84 100
86 63.2 45.1 83.9
49 119.6 85.2 158.2

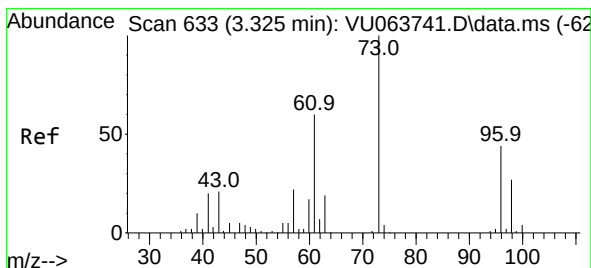
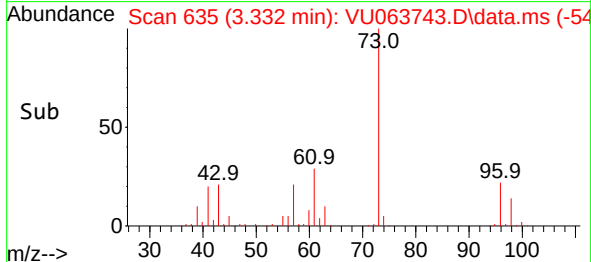
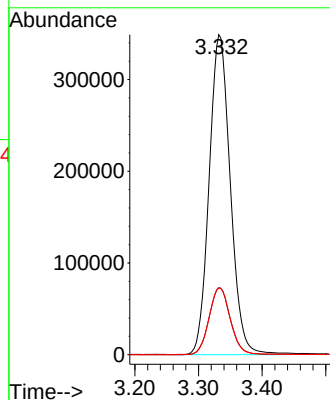
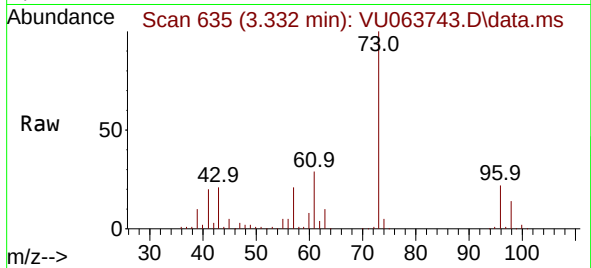




#17
Methyl tert-butyl Ether
Concen: 29.881 ug/L
RT: 3.332 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

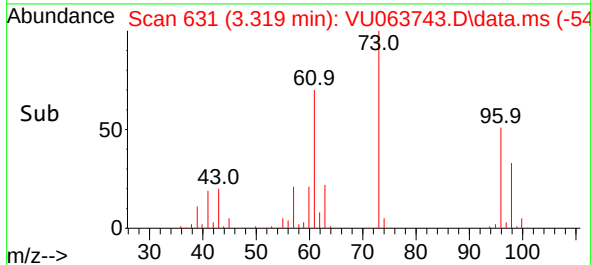
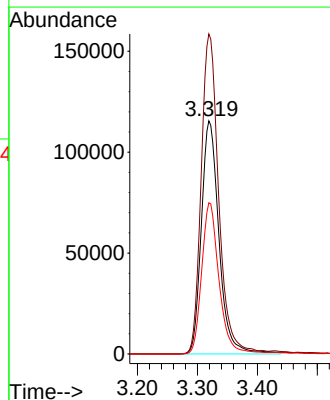
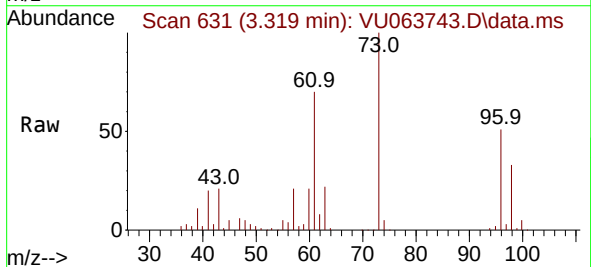
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

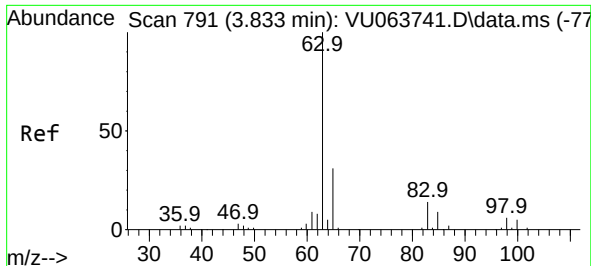
Tgt Ion: 73 Resp: 804642
Ion Ratio Lower Upper
73 100
43 20.9 17.0 25.4
57 21.0 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 22.329 ug/L
RT: 3.319 min Scan# 631
Delta R.T. -0.006 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion: 96 Resp: 236550
Ion Ratio Lower Upper
96 100
61 137.3 95.8 178.0
98 64.8 43.2 80.2





#19

1,1-Dichloroethane

Concen: 25.213 ug/L

RT: 3.830 min Scan# 791

Delta R.T. -0.003 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD020031

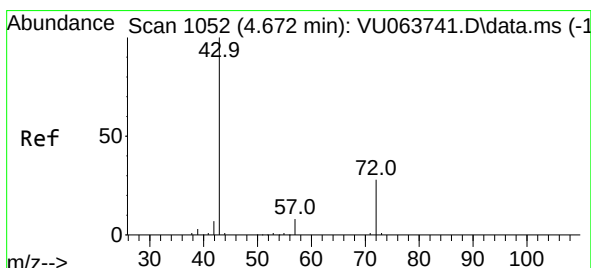
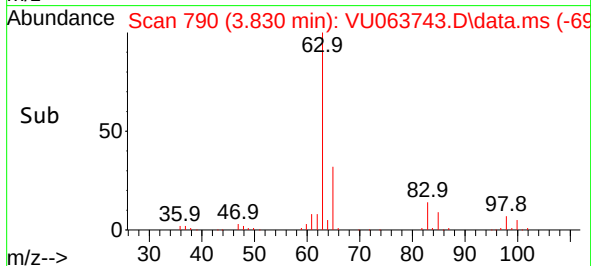
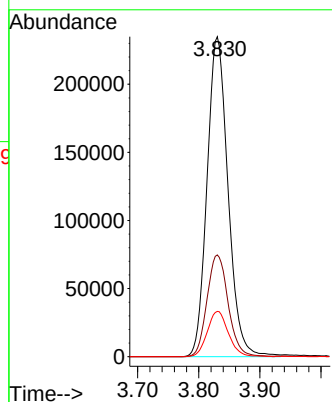
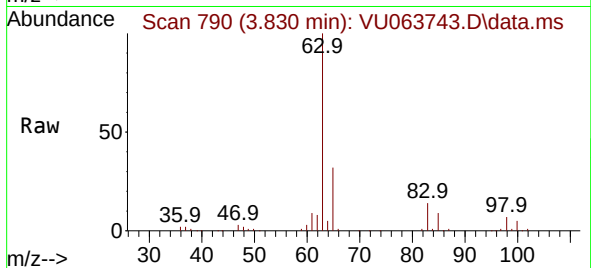
Tgt Ion: 63 Resp: 560186

Ion Ratio Lower Upper

63 100

65 31.8 22.0 40.8

83 14.2 9.9 18.3



#21

2-Butanone

Concen: 282.871 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. -0.006 min

Lab File: VU063743.D

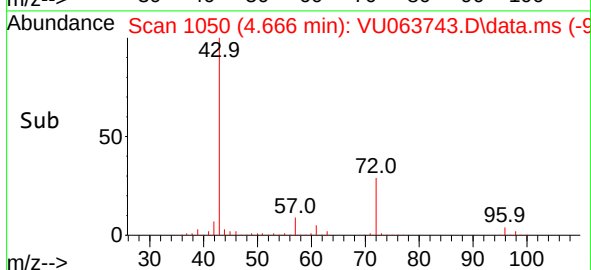
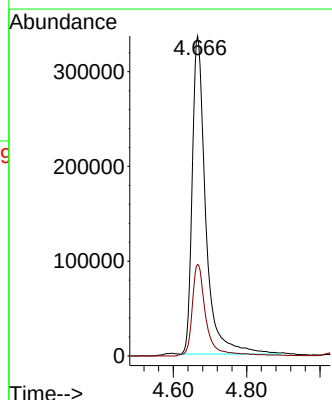
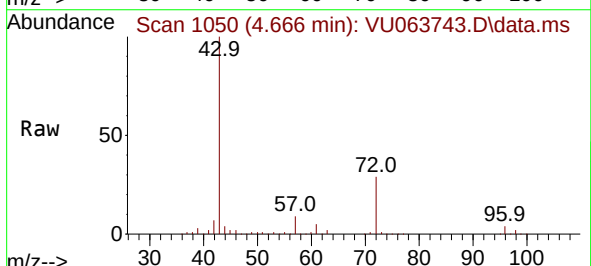
Acq: 19 Nov 2025 11:53

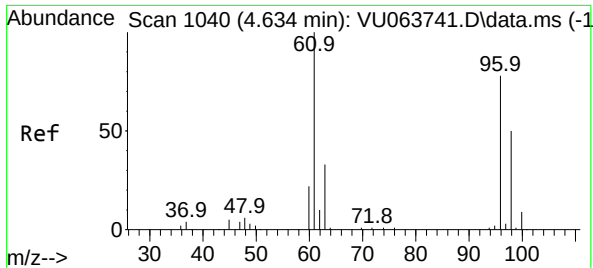
Tgt Ion: 43 Resp: 860001

Ion Ratio Lower Upper

43 100

72 28.7 13.6 40.8

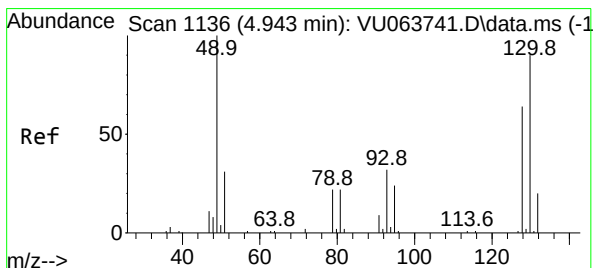
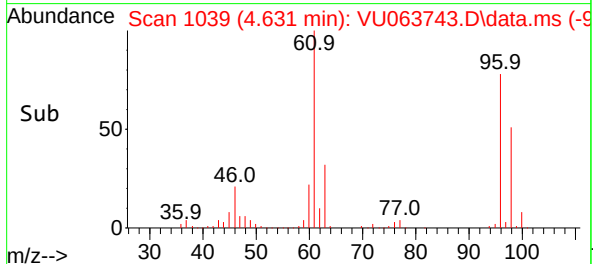
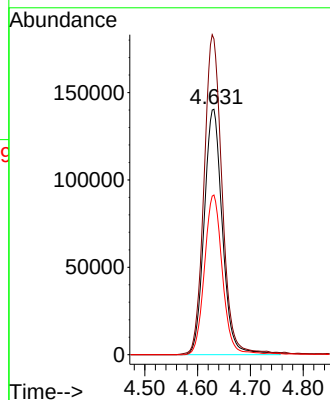
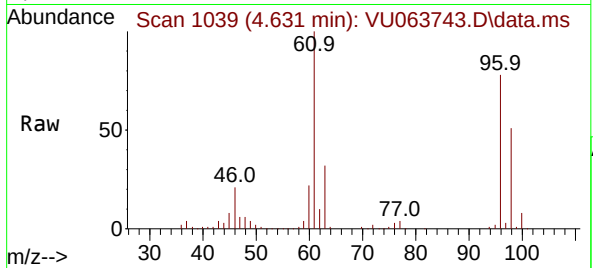




#22
 cis-1,2-Dichloroethene
 Concen: 26.773 ug/L
 RT: 4.631 min Scan# 1039
 Delta R.T. -0.003 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

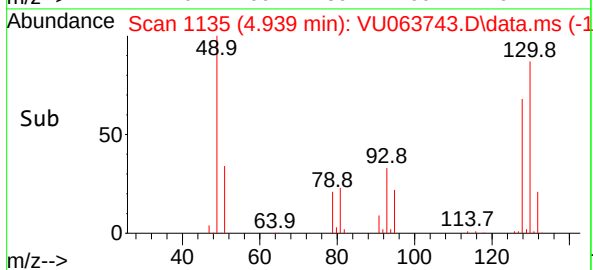
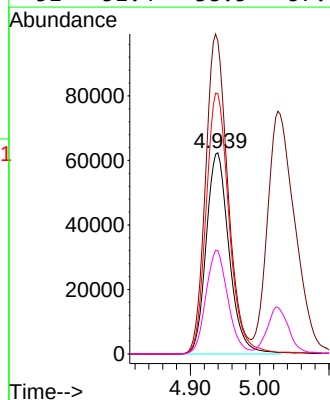
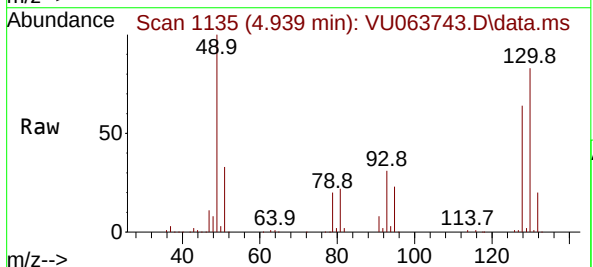
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020031

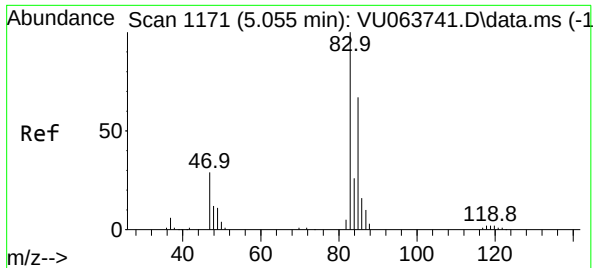
Tgt Ion: 96 Resp: 336183
 Ion Ratio Lower Upper
 96 100
 61 128.6 89.5 166.1
 98 65.1 44.6 82.8



#23
 Bromochloromethane
 Concen: 26.216 ug/L
 RT: 4.939 min Scan# 1135
 Delta R.T. -0.003 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

Tgt Ion: 128 Resp: 142529
 Ion Ratio Lower Upper
 128 100
 49 155.7 110.0 204.4
 130 129.5 98.9 183.7
 51 51.4 38.5 57.7

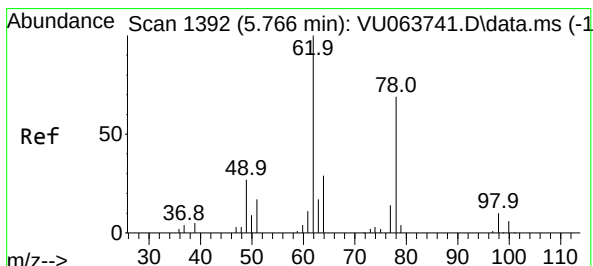
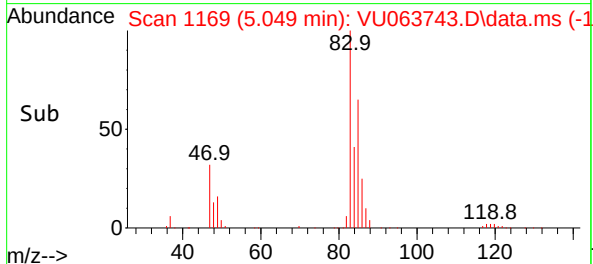
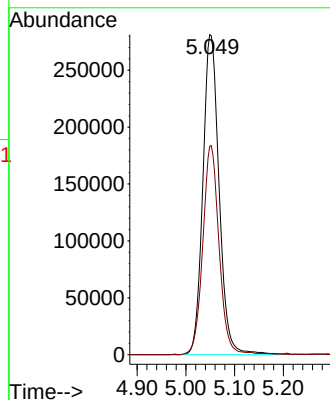
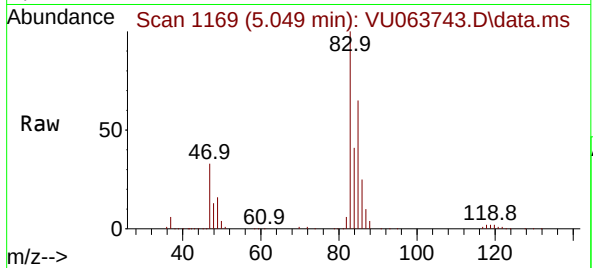




#25
Chloroform
Concen: 27.779 ug/L
RT: 5.049 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

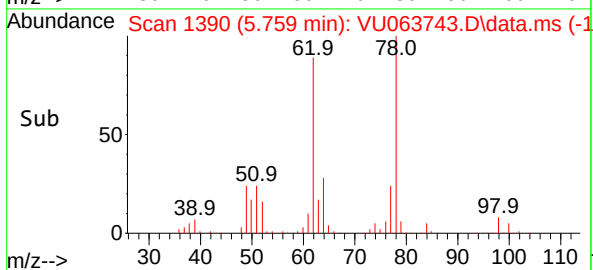
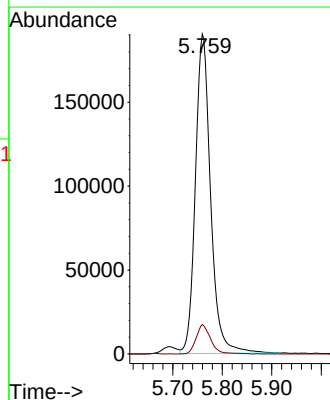
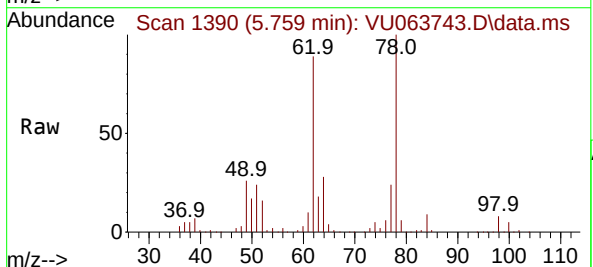
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

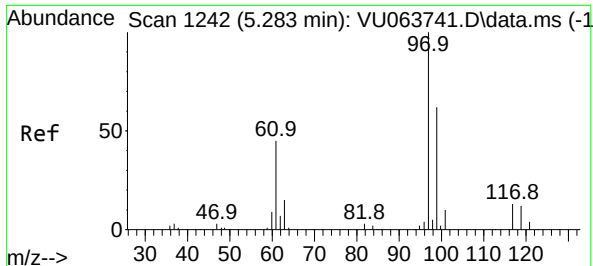
Tgt Ion: 83 Resp: 652121
Ion Ratio Lower Upper
83 100
85 65.1 47.3 87.9



#27
1,2-Dichloroethane
Concen: 26.910 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.006 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion: 62 Resp: 408334
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 25.830 ug/L

RT: 5.280 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD020031

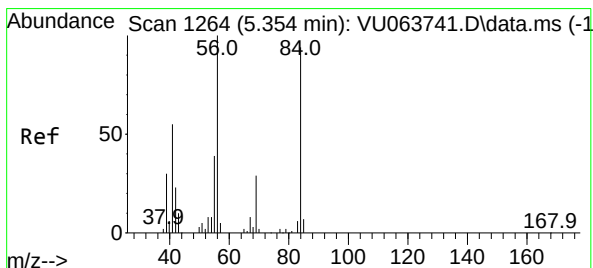
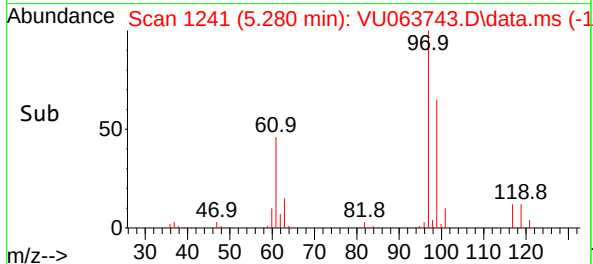
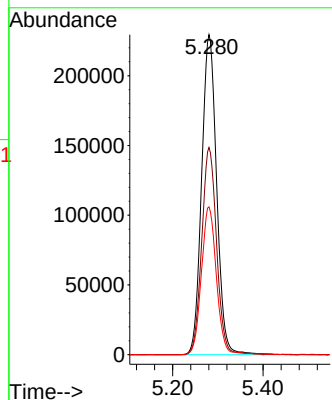
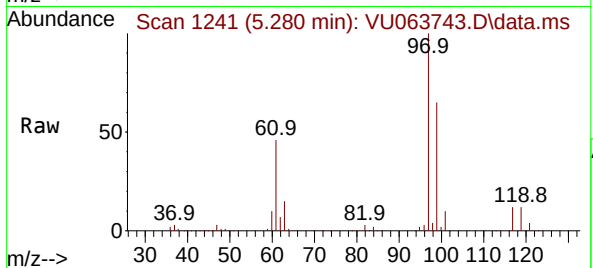
Tgt Ion: 97 Resp: 529154

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 46.1 37.4 56.2



#30

Cyclohexane

Concen: 16.688 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

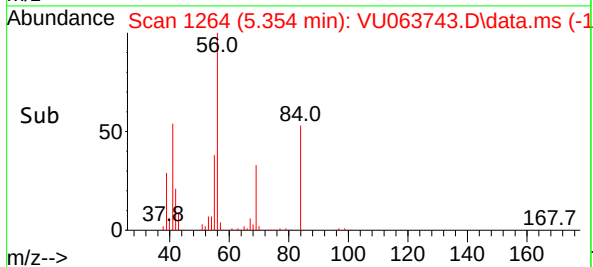
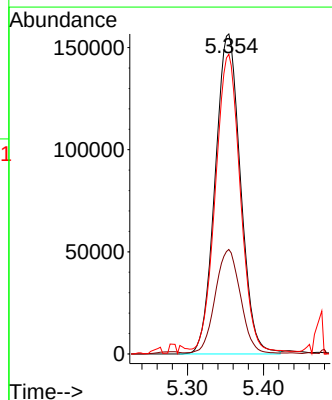
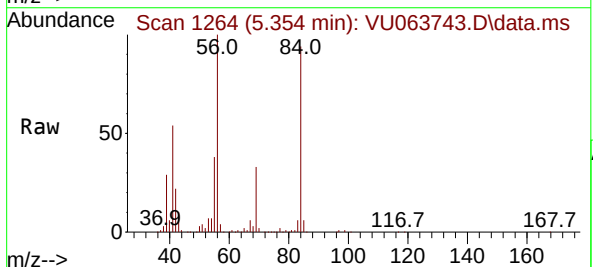
Tgt Ion: 56 Resp: 363459

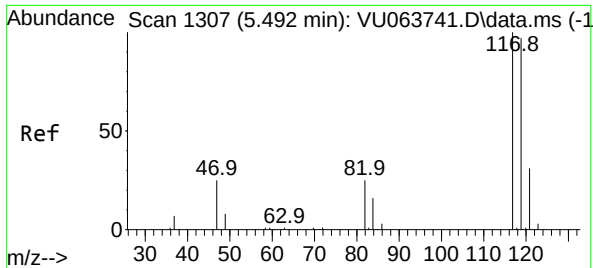
Ion Ratio Lower Upper

56 100

69 32.1 24.3 36.5

84 90.8 72.0 108.0

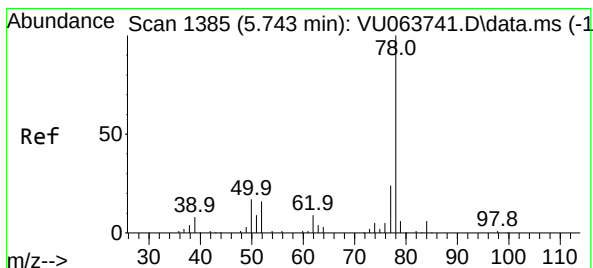
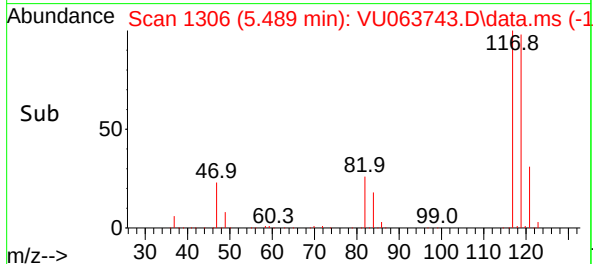
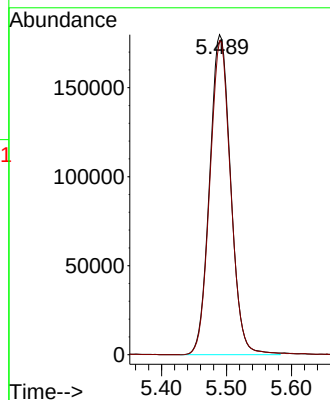
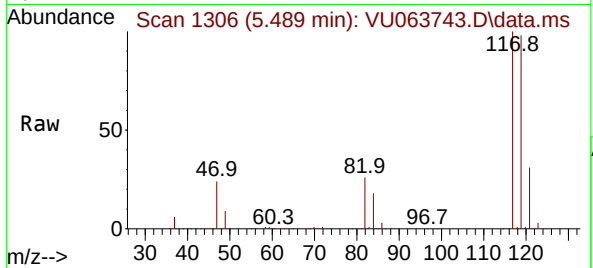




#31
Carbon tetrachloride
Concen: 25.554 ug/L
RT: 5.489 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

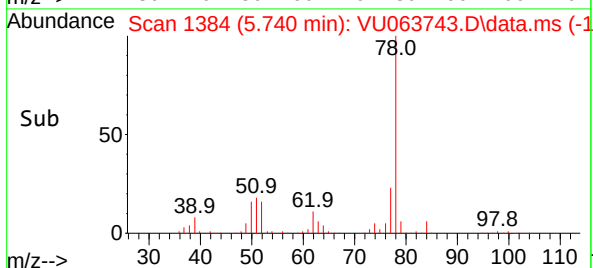
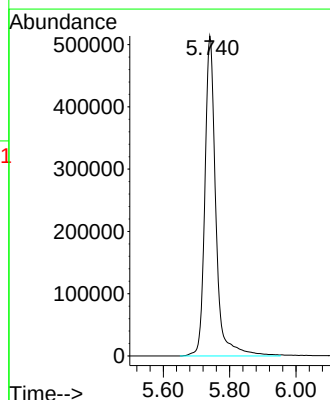
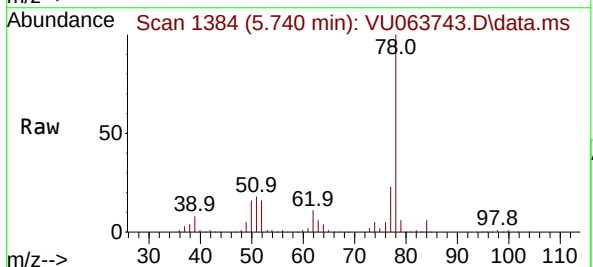
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

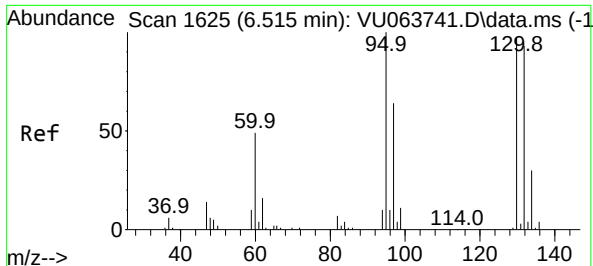
Tgt Ion:117 Resp: 405534
Ion Ratio Lower Upper
117 100
119 97.2 77.0 115.4



#33
Benzene
Concen: 22.078 ug/L
RT: 5.740 min Scan# 1384
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion: 78 Resp: 1177835

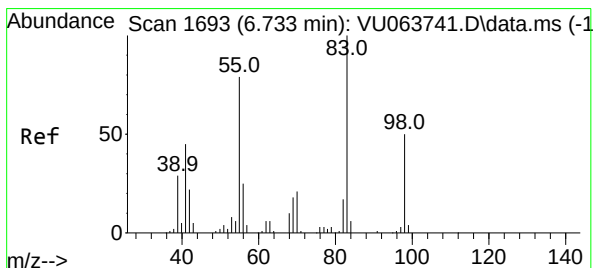
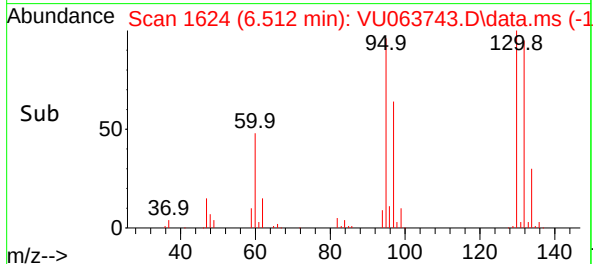
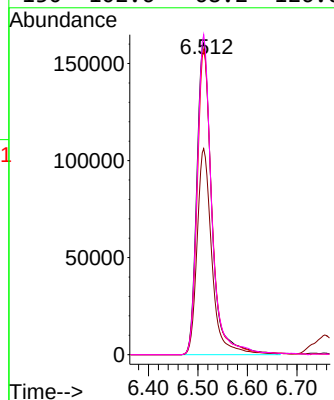
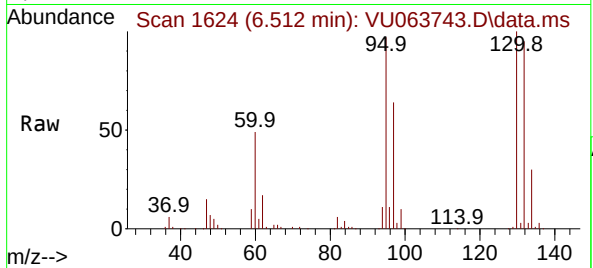




#34
Trichloroethene
Concen: 23.000 ug/L
RT: 6.512 min Scan# 1625
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

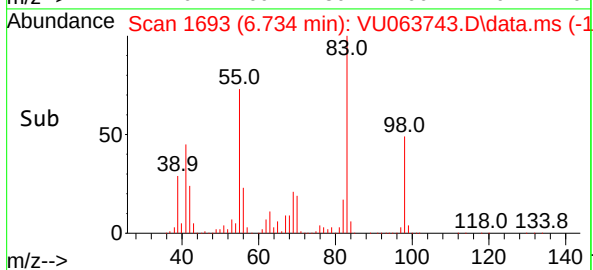
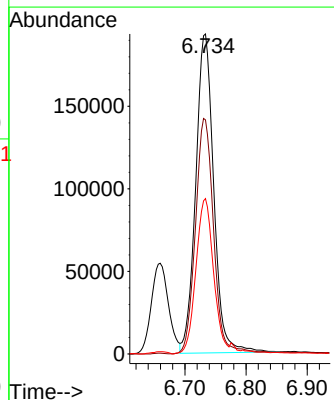
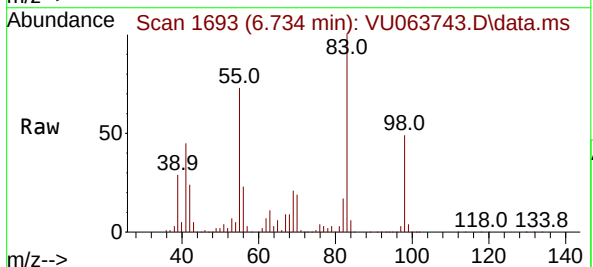
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

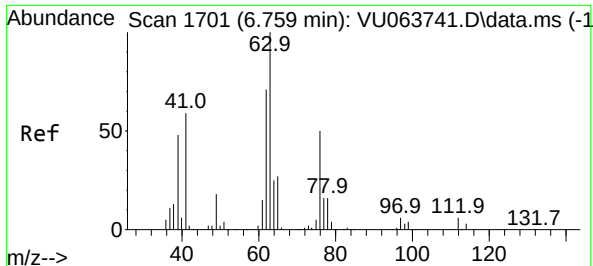
Tgt Ion: 95 Resp: 340604
Ion Ratio Lower Upper
95 100
97 66.1 44.9 83.5
132 97.9 65.4 121.4
130 102.6 68.2 126.6



#35
Methylcyclohexane
Concen: 18.397 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion: 83 Resp: 396135
Ion Ratio Lower Upper
83 100
55 74.4 62.5 93.7
98 47.5 40.3 60.5

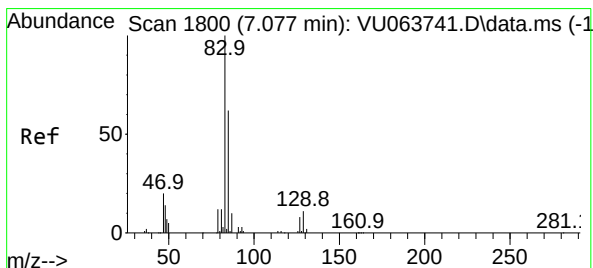
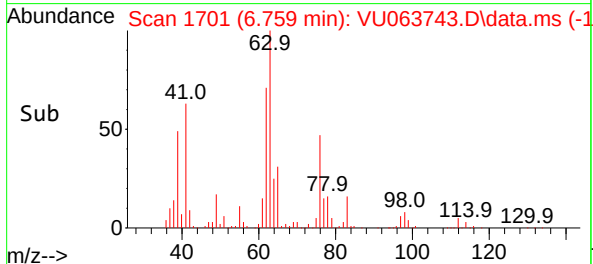
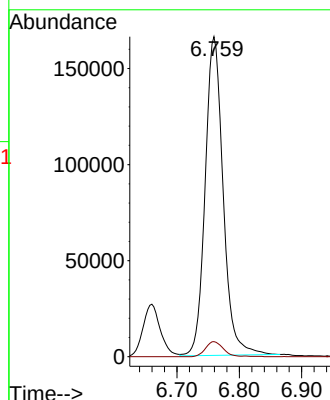
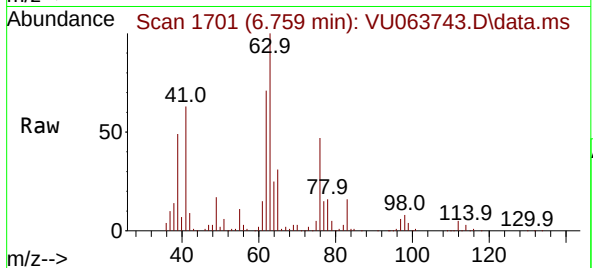




#37
1,2-Dichloropropane
Concen: 22.915 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

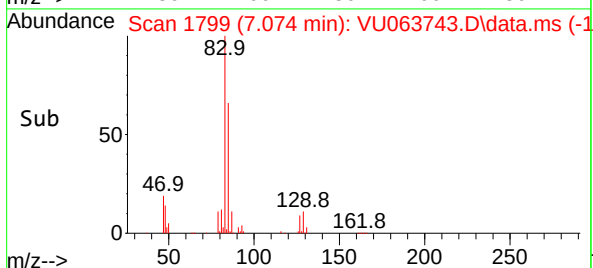
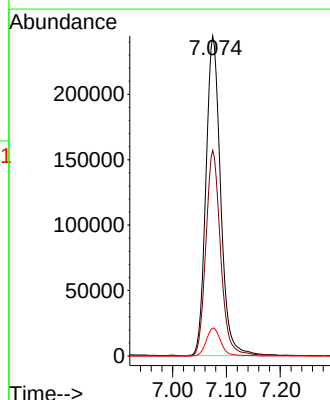
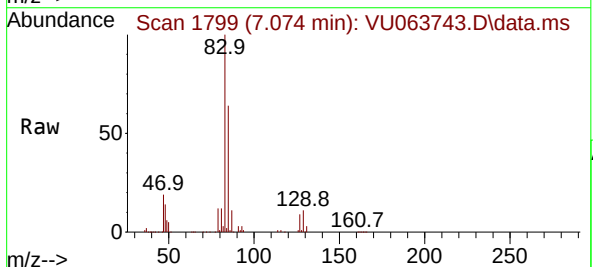
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

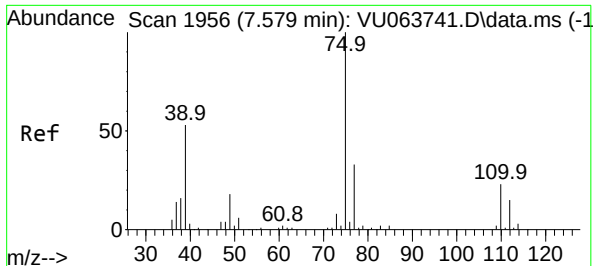
Tgt Ion: 63 Resp: 333664
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.8



#38
Bromodichloromethane
Concen: 28.220 ug/L
RT: 7.074 min Scan# 1799
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion: 83 Resp: 464260
Ion Ratio Lower Upper
83 100
85 64.3 43.7 81.1
127 8.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 29.093 ug/L

RT: 7.579 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

Instrument :

MSVOA_U

ClientSampleId :

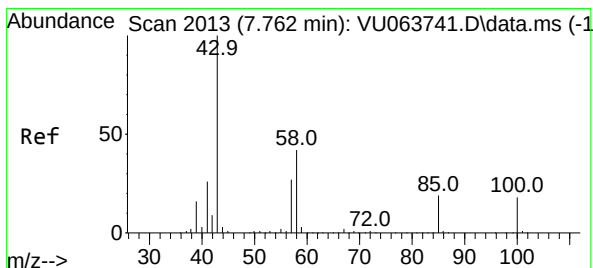
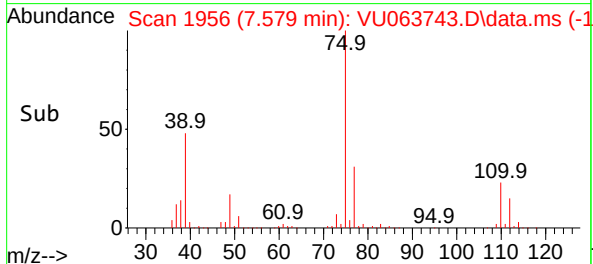
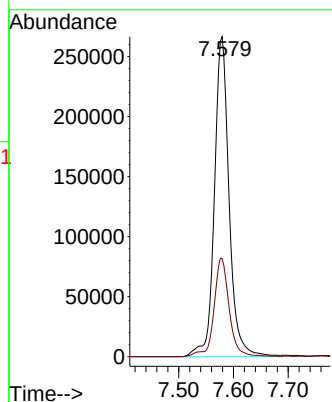
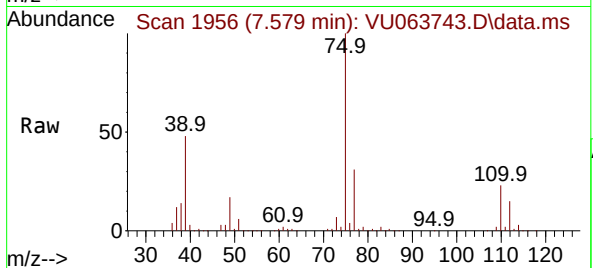
VSTD020031

Tgt Ion: 75 Resp: 498010

Ion Ratio Lower Upper

75 100

77 30.7 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 253.433 ug/L

RT: 7.763 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

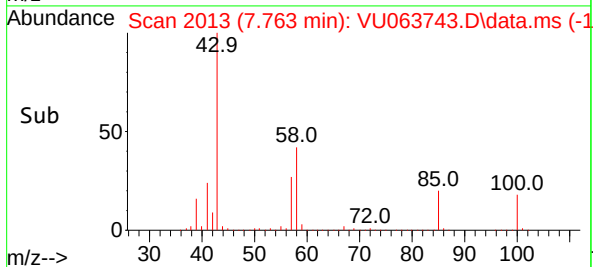
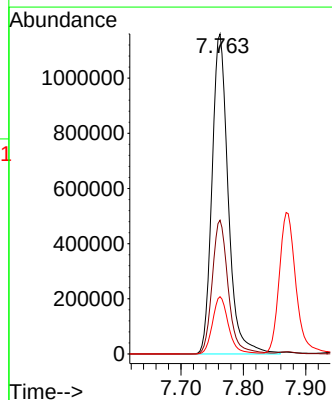
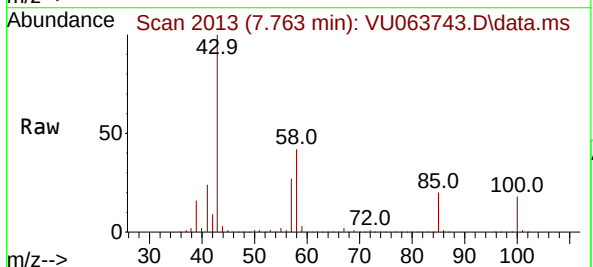
Tgt Ion: 43 Resp: 2090936

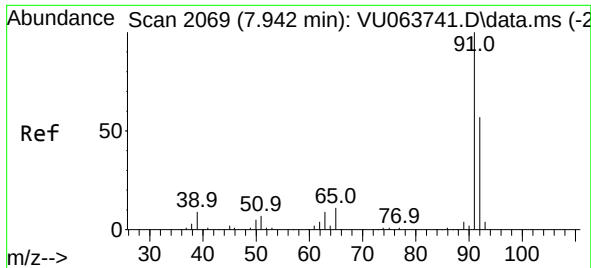
Ion Ratio Lower Upper

43 100

58 41.5 32.6 49.0

100 17.7 13.9 20.9





#42

Toluene

Concen: 23.197 ug/L

RT: 7.943 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

Instrument :

MSVOA_U

ClientSampleId :

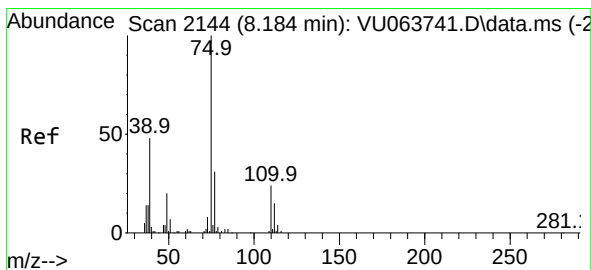
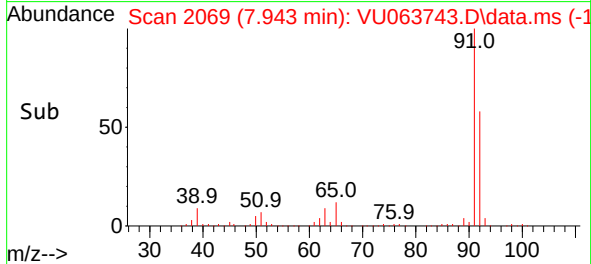
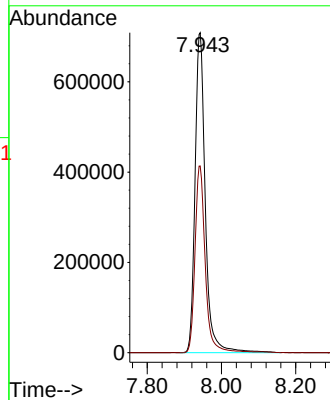
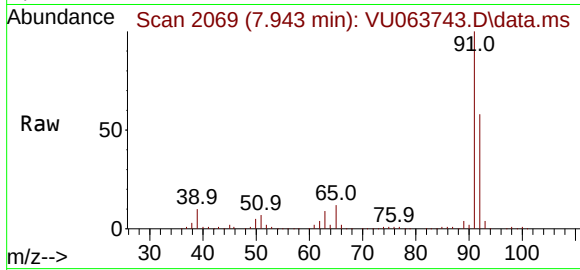
VSTD020031

Tgt Ion: 91 Resp: 1358532

Ion Ratio Lower Upper

91 100

92 58.3 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 29.678 ug/L

RT: 8.181 min Scan# 2143

Delta R.T. -0.003 min

Lab File: VU063743.D

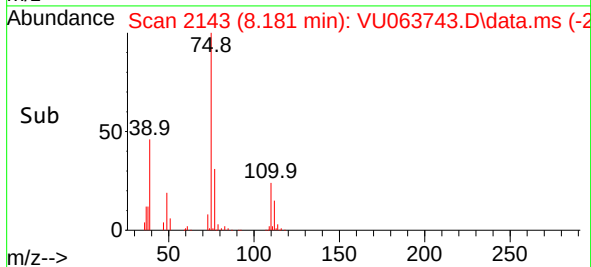
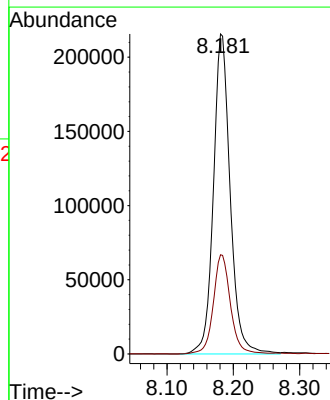
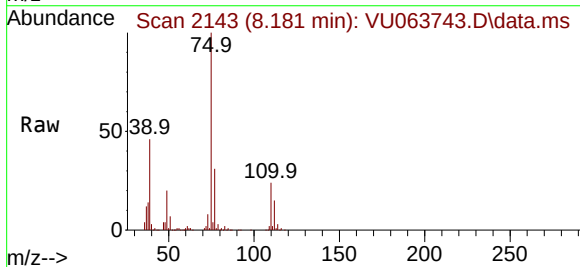
Acq: 19 Nov 2025 11:53

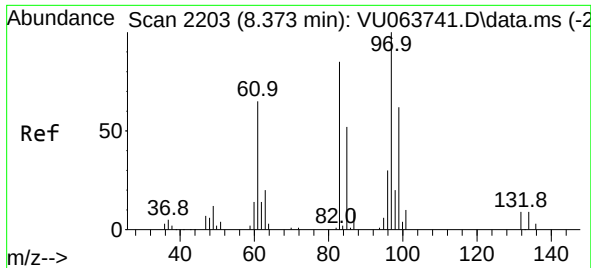
Tgt Ion: 75 Resp: 379343

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3

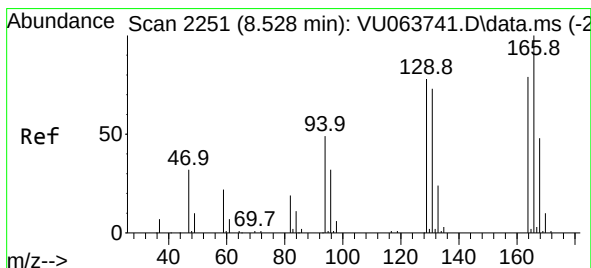
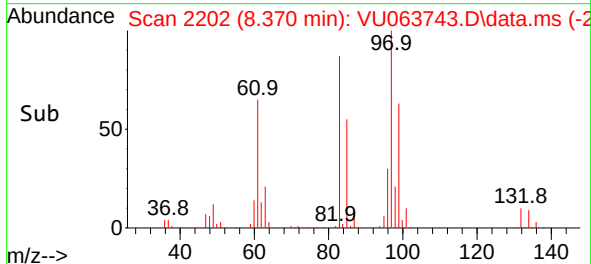
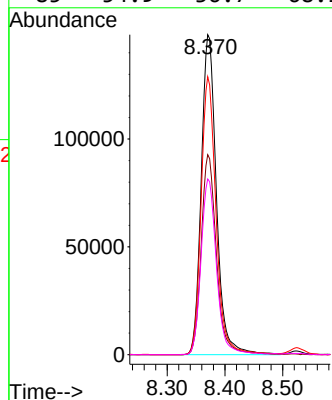
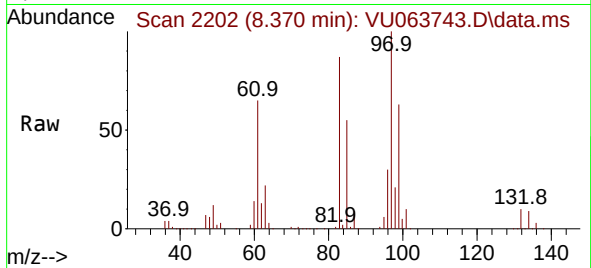




#45
1,1,2-Trichloroethane
Concen: 26.172 ug/L
RT: 8.370 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

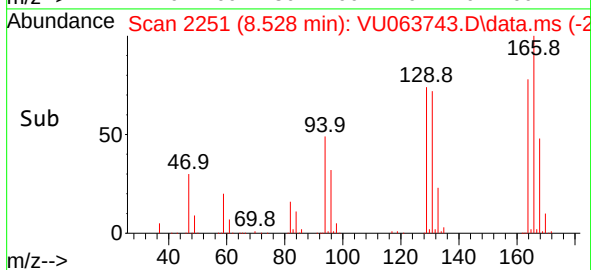
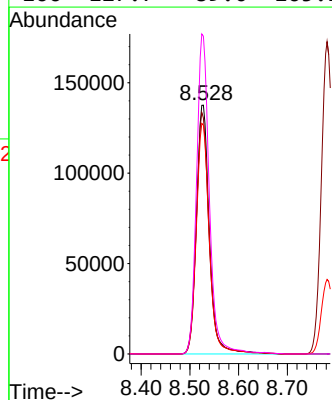
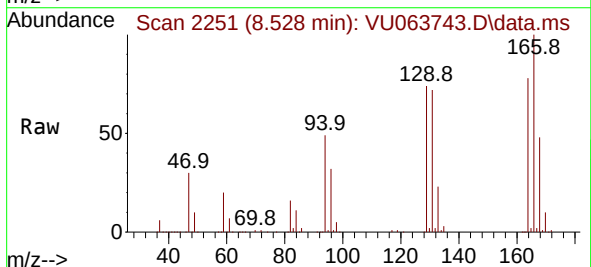
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

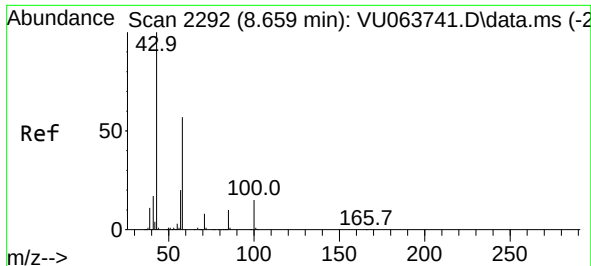
Tgt Ion:	97	Resp:	271576
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.4	80.6
83	86.8	59.4	110.2
85	54.9	36.7	68.1



#47
Tetrachloroethene
Concen: 22.476 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion:	164	Resp:	254261
Ion	Ratio	Lower	Upper
164	100		
129	94.8	69.5	129.1
131	92.0	65.2	121.2
166	127.7	89.0	165.2



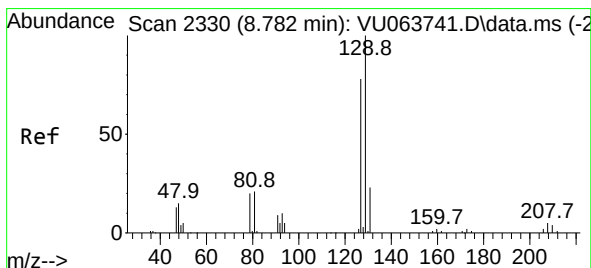
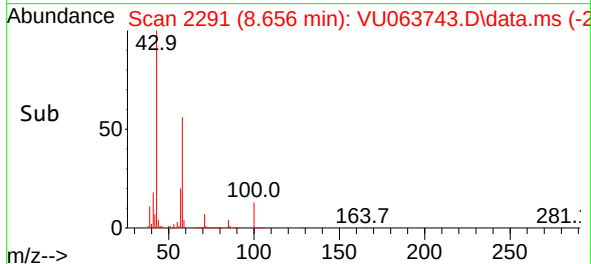
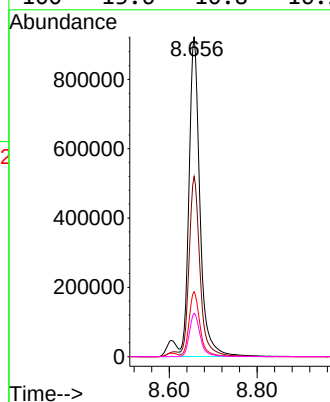
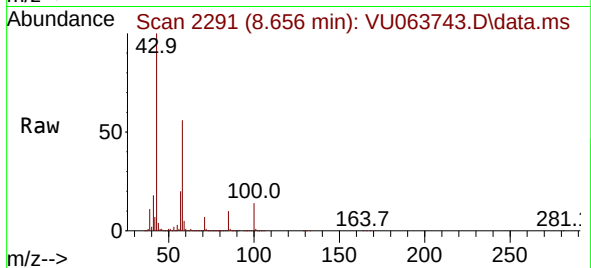


#48
2-Hexanone
Concen: 274.001 ug/L
RT: 8.656 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

Tgt Ion: 43 Resp: 1591563

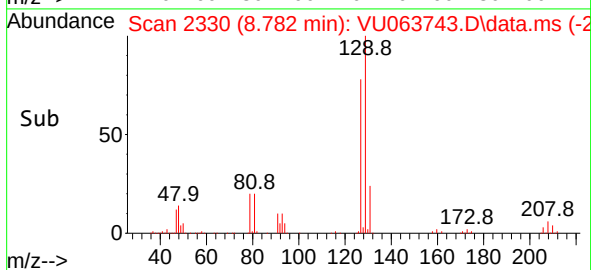
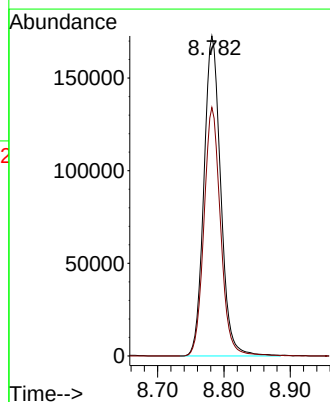
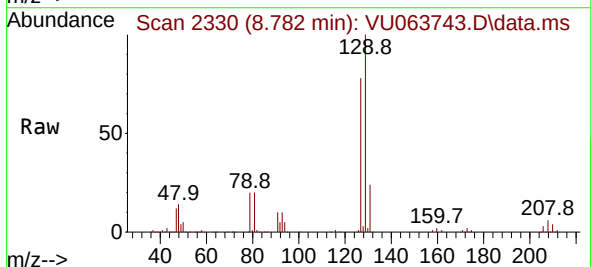
Ion	Ratio	Lower	Upper
43	100		
58	56.6	43.3	64.9
57	20.2	16.2	24.2
100	13.6	10.8	16.2

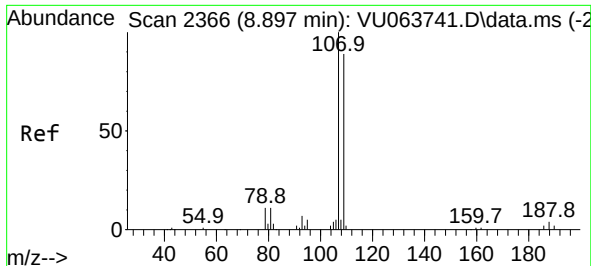


#49
Dibromochloromethane
Concen: 31.160 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion: 129 Resp: 304624

Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.9	102.1

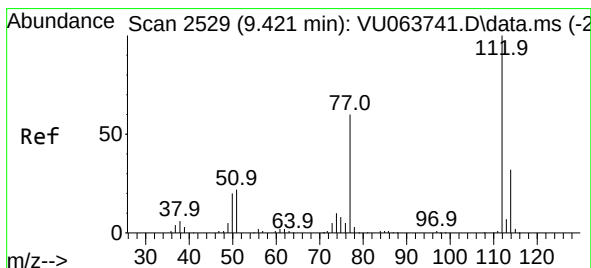
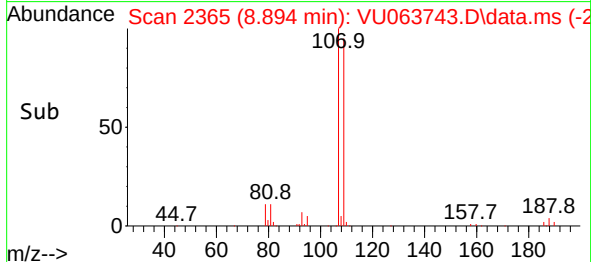
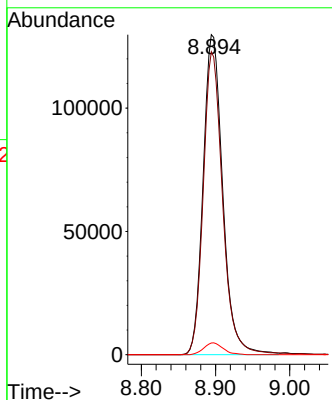
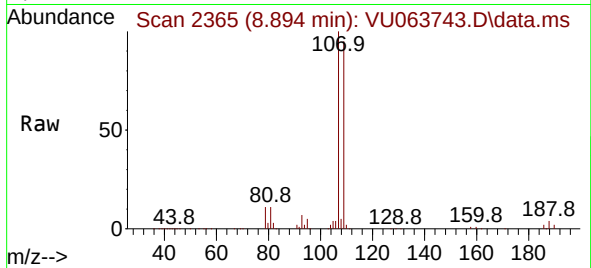




#50
1,2-Dibromoethane
Concen: 26.096 ug/L
RT: 8.894 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

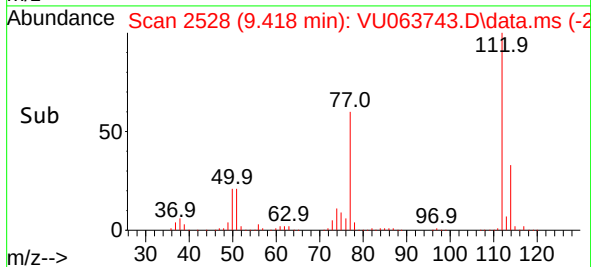
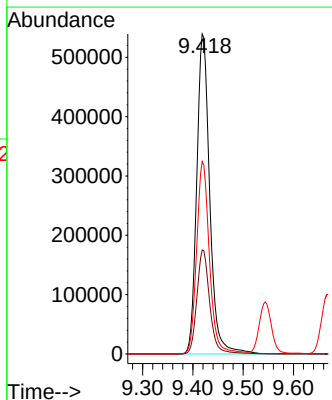
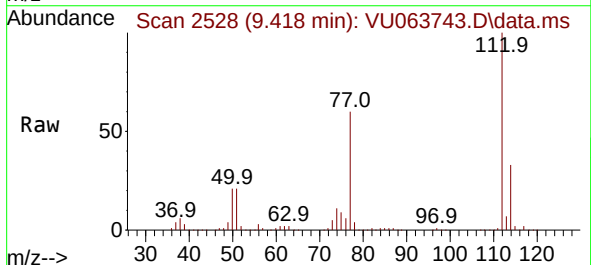
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

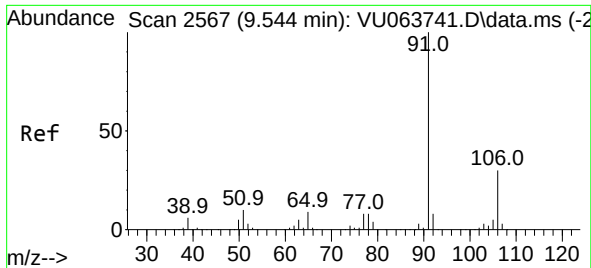
Tgt Ion:107 Resp: 237295
Ion Ratio Lower Upper
107 100
109 94.6 62.6 116.3
188 3.7 2.8 4.2



#51
Chlorobenzene
Concen: 25.160 ug/L
RT: 9.418 min Scan# 2528
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion:112 Resp: 970864
Ion Ratio Lower Upper
112 100
114 32.5 22.4 41.6
77 60.1 48.3 72.5

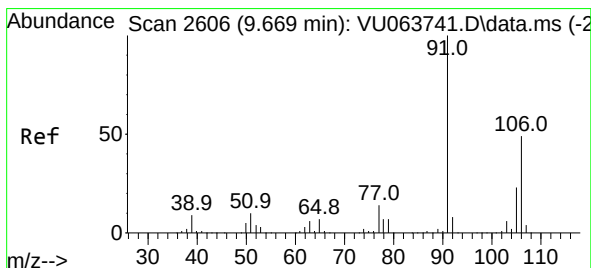
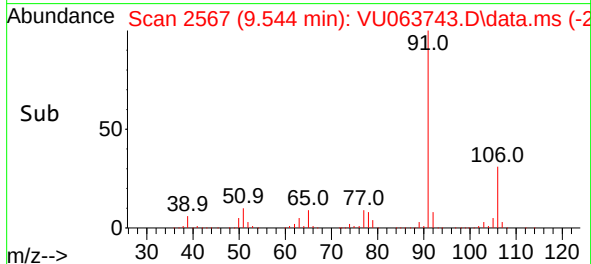
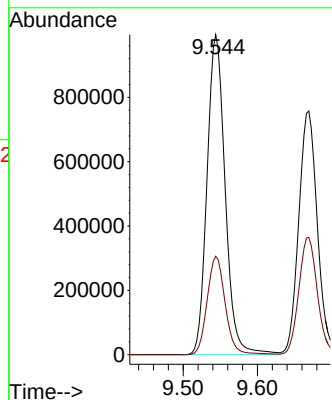
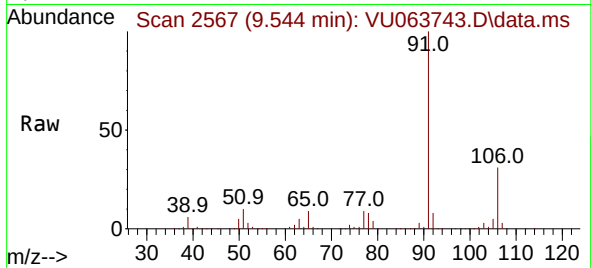




#52
Ethylbenzene
Concen: 25.602 ug/L
RT: 9.544 min Scan# 2567
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

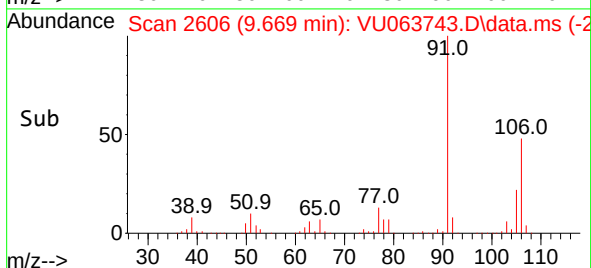
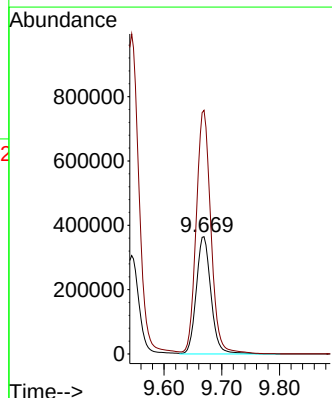
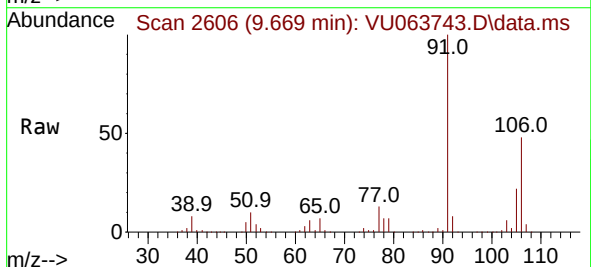
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

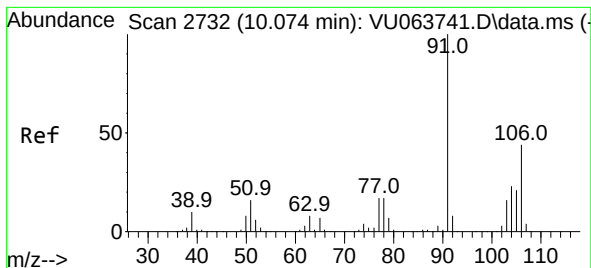
Tgt Ion: 91 Resp: 1684082
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.3



#53
m,p-Xylene
Concen: 26.218 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion:106 Resp: 642246
Ion Ratio Lower Upper
106 100
91 207.7 144.5 268.3





#54

o-Xylene

Concen: 26.996 ug/L

RT: 10.074 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

Instrument :

MSVOA_U

ClientSampleId :

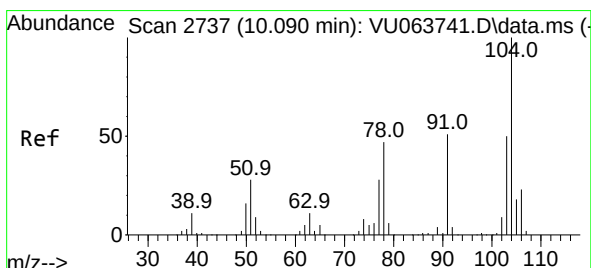
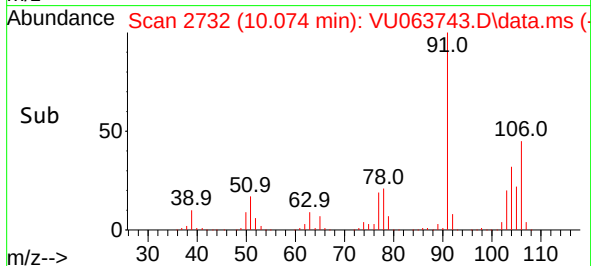
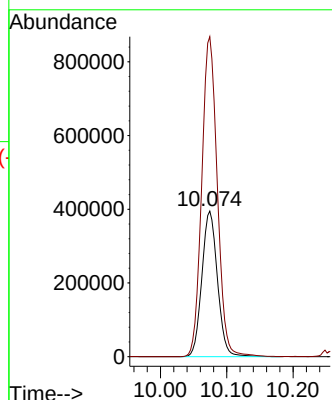
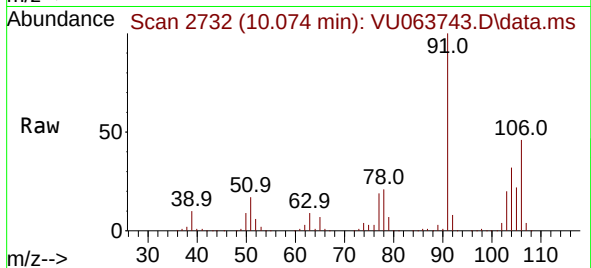
VSTD020031

Tgt Ion:106 Resp: 643809

Ion Ratio Lower Upper

106 100

91 219.8 157.4 292.4



#55

Styrene

Concen: 28.406 ug/L

RT: 10.087 min Scan# 2736

Delta R.T. -0.003 min

Lab File: VU063743.D

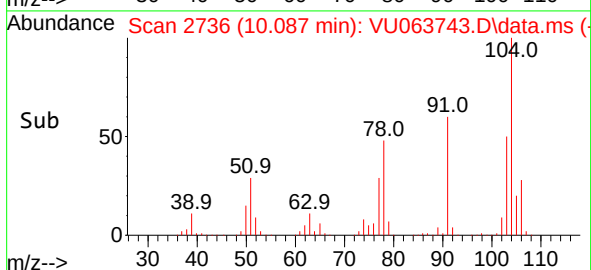
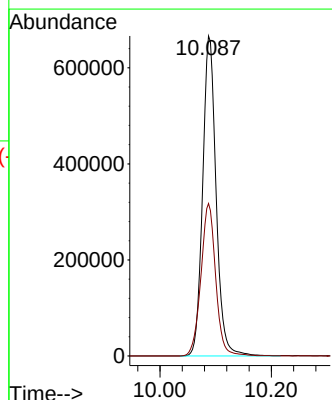
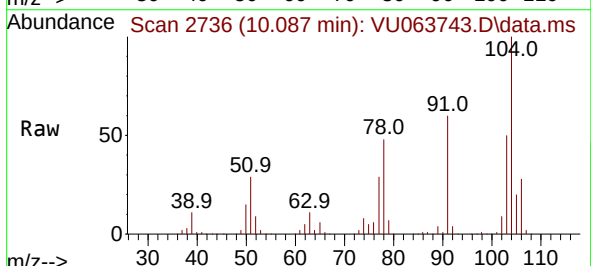
Acq: 19 Nov 2025 11:53

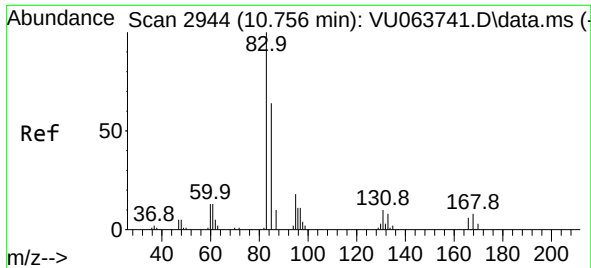
Tgt Ion:104 Resp: 1119603

Ion Ratio Lower Upper

104 100

78 47.7 32.7 60.7

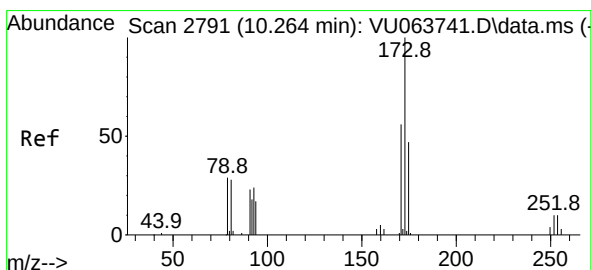
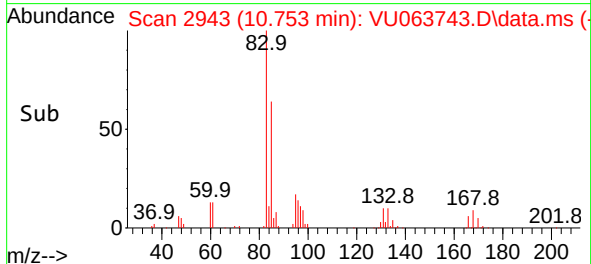
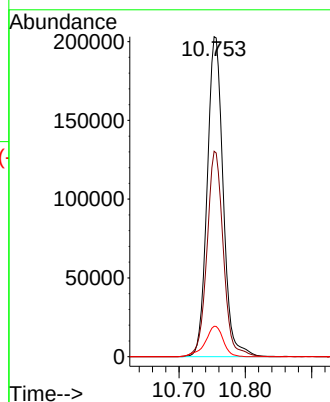
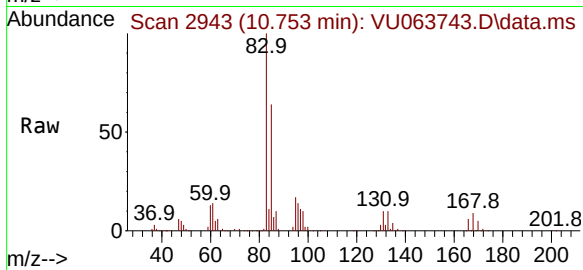




#57
1,1,2,2-Tetrachloroethane
Concen: 27.529 ug/L
RT: 10.753 min Scan# 2943
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

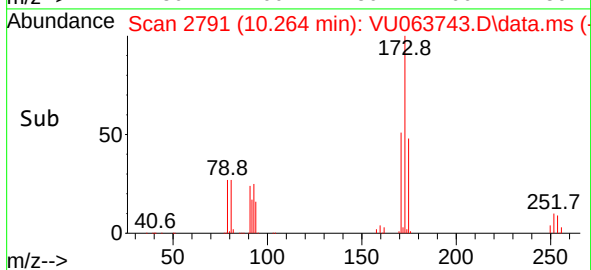
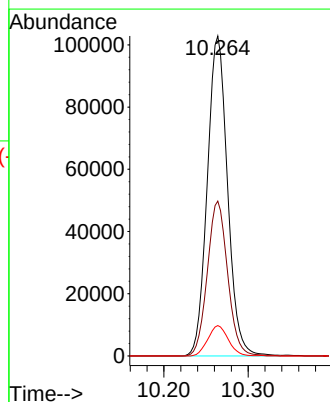
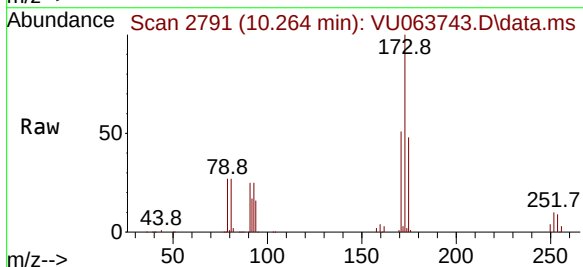
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

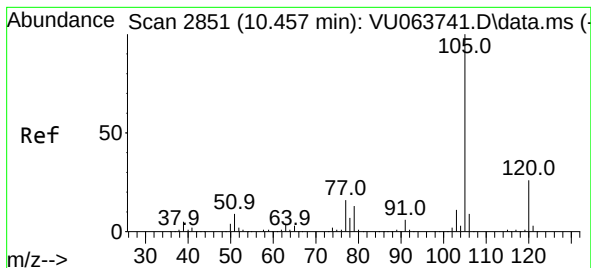
Tgt Ion: 83 Resp: 339887
Ion Ratio Lower Upper
83 100
85 64.2 45.2 84.0
131 9.5 8.4 12.6



#59
Bromoform
Concen: 26.098 ug/L
RT: 10.264 min Scan# 2791
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion:173 Resp: 171948
Ion Ratio Lower Upper
173 100
175 48.6 37.8 56.8
254 9.6 7.8 11.8





#60

Isopropylbenzene

Concen: 21.119 ug/L

RT: 10.457 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD020031

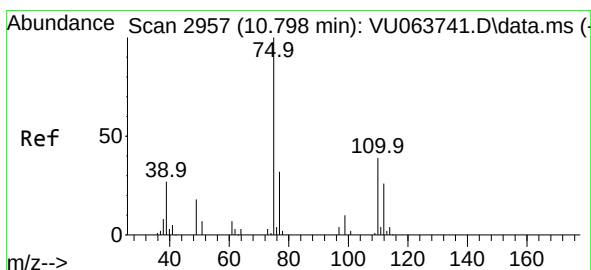
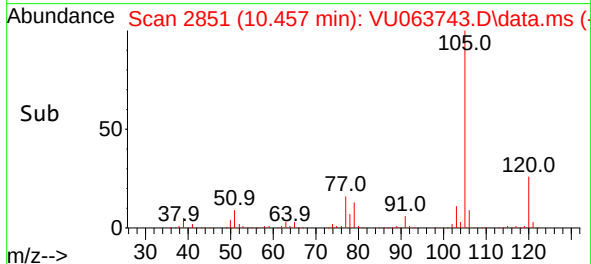
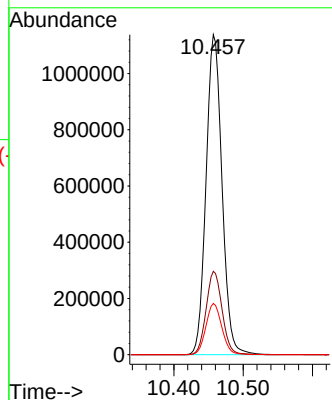
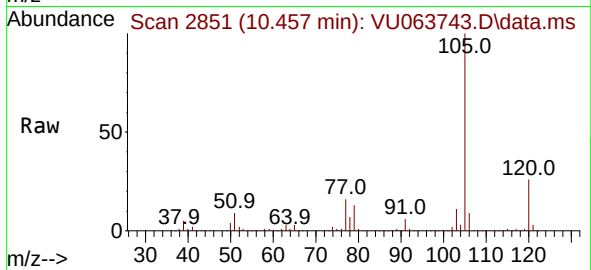
Tgt Ion:105 Resp: 1814307

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 20.408 ug/L

RT: 10.795 min Scan# 2956

Delta R.T. -0.003 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

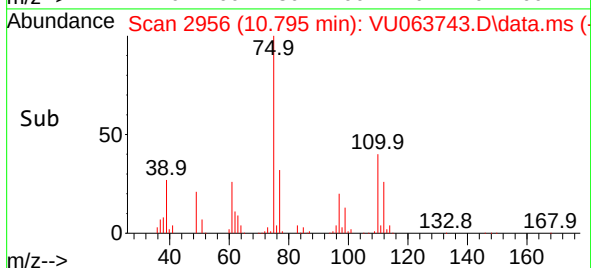
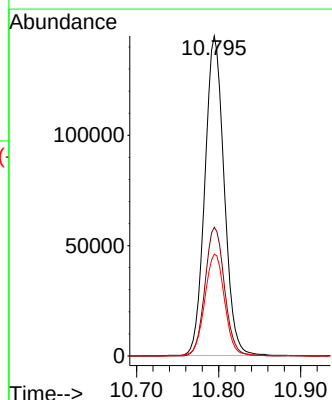
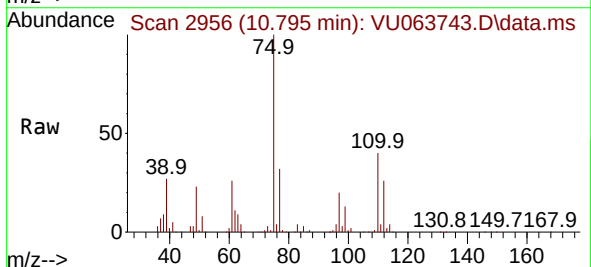
Tgt Ion: 75 Resp: 236176

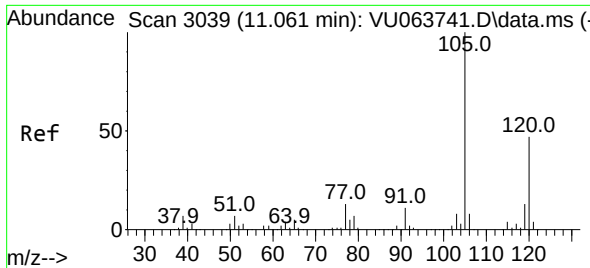
Ion Ratio Lower Upper

75 100

110 40.9 31.2 46.8

77 33.2 26.6 40.0

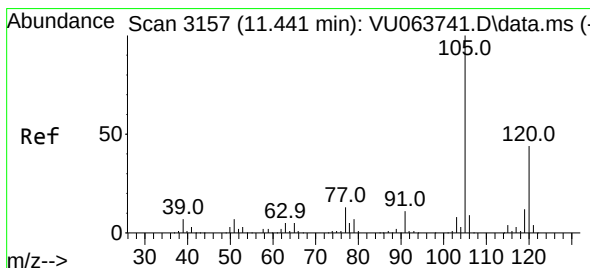
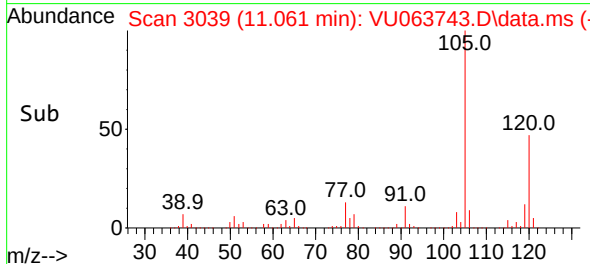
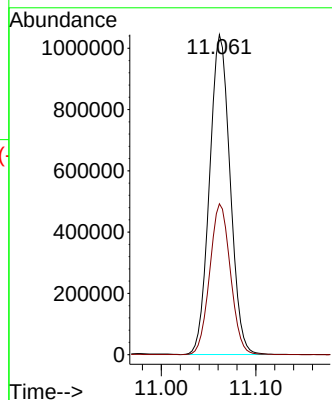
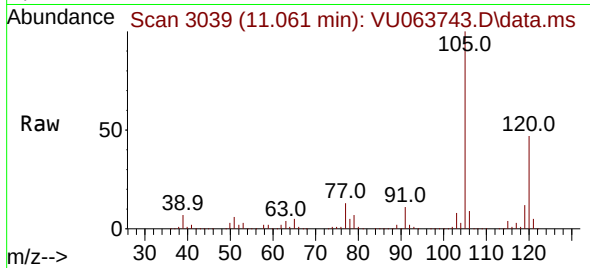




#62
1,3,5-Trimethylbenzene
Concen: 22.516 ug/L
RT: 11.061 min Scan# 3039
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

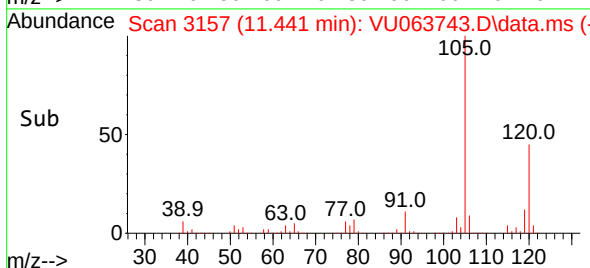
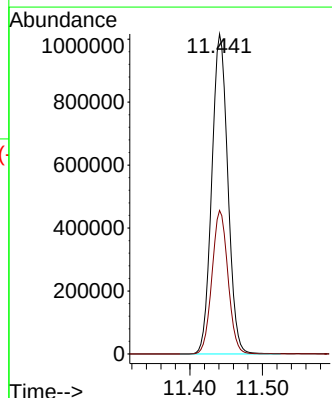
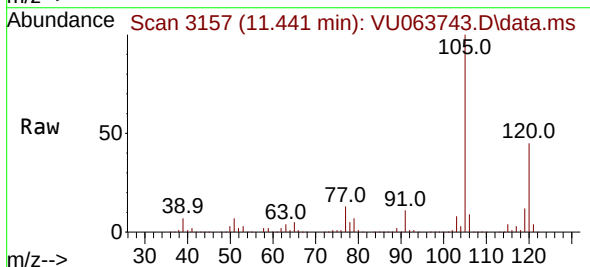
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

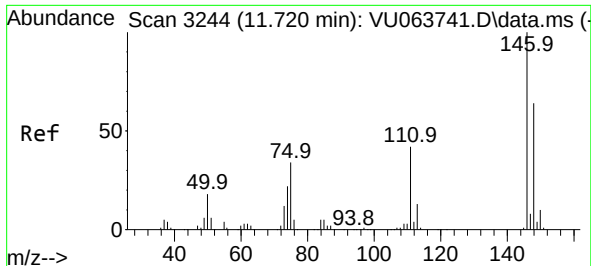
Tgt Ion:105 Resp: 1578673
Ion Ratio Lower Upper
105 100
120 47.4 38.2 57.2



#63
1,2,4-Trimethylbenzene
Concen: 23.246 ug/L
RT: 11.441 min Scan# 3157
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion:105 Resp: 1561206
Ion Ratio Lower Upper
105 100
120 44.7 35.1 52.7

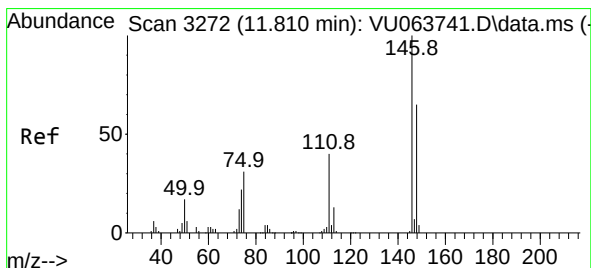
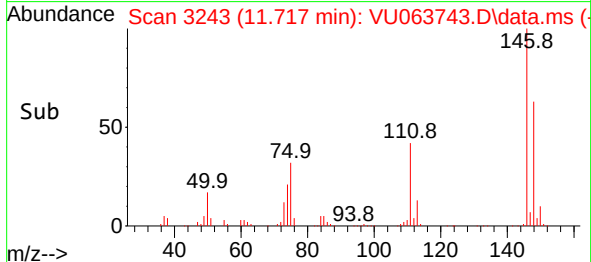
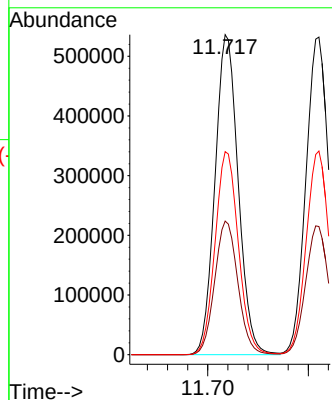
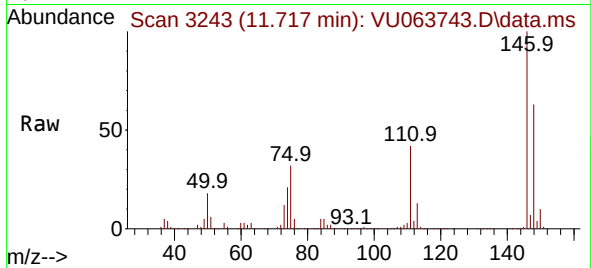




#64
1,3-Dichlorobenzene
Concen: 22.365 ug/L
RT: 11.717 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

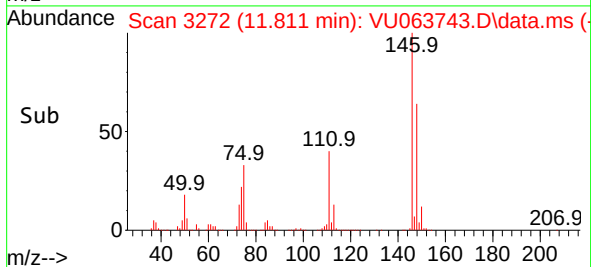
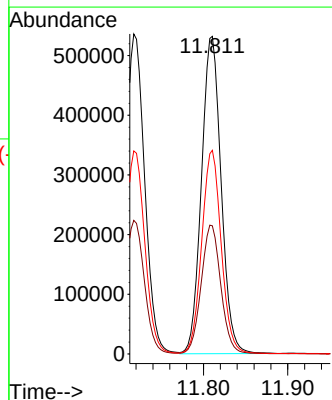
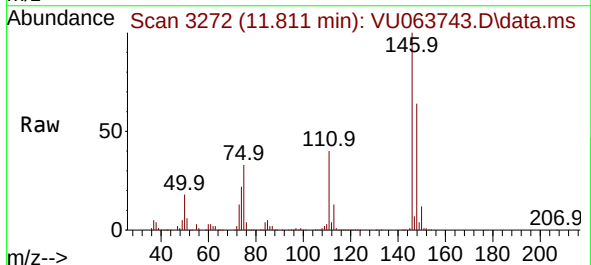
Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

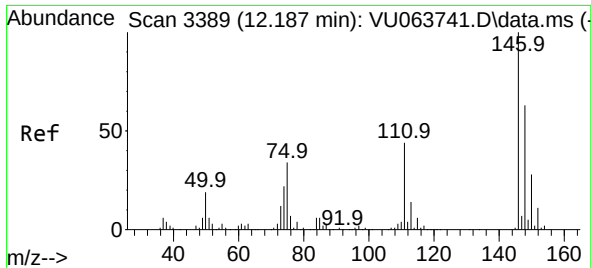
Tgt Ion:146 Resp: 861245
Ion Ratio Lower Upper
146 100
111 41.7 29.5 54.9
148 63.4 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 22.177 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion:146 Resp: 864618
Ion Ratio Lower Upper
146 100
111 40.4 27.9 51.7
148 64.2 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 22.290 ug/L

RT: 12.184 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD020031

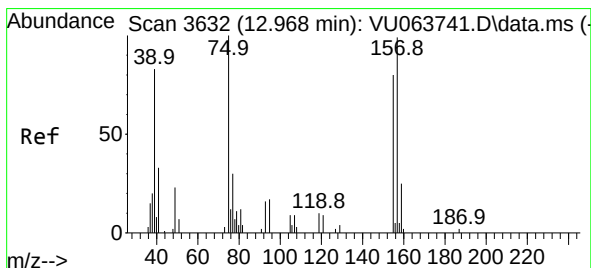
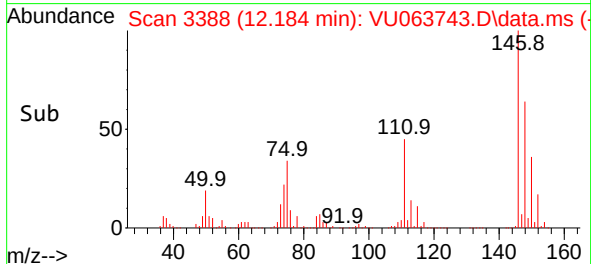
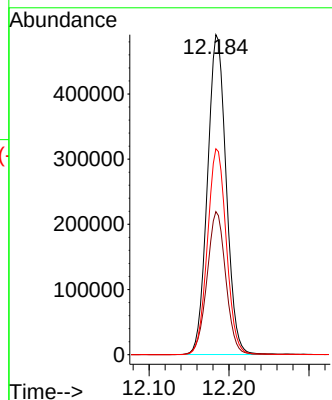
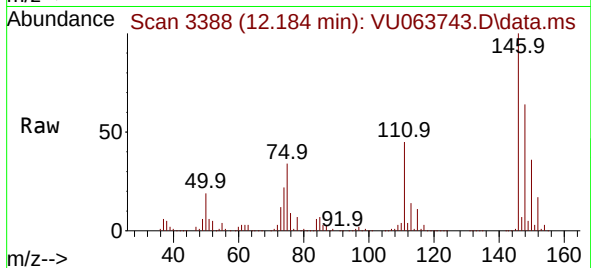
Tgt Ion:146 Resp: 799568

Ion Ratio Lower Upper

146 100

111 44.7 35.0 52.4

148 64.4 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 29.765 ug/L

RT: 12.965 min Scan# 3631

Delta R.T. -0.003 min

Lab File: VU063743.D

Acq: 19 Nov 2025 11:53

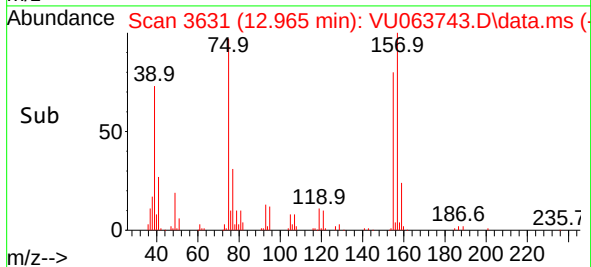
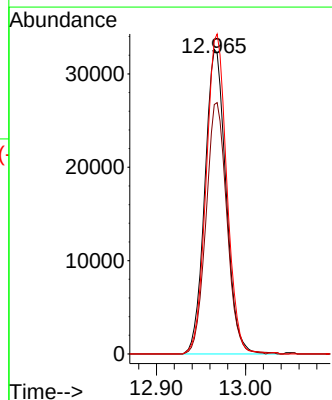
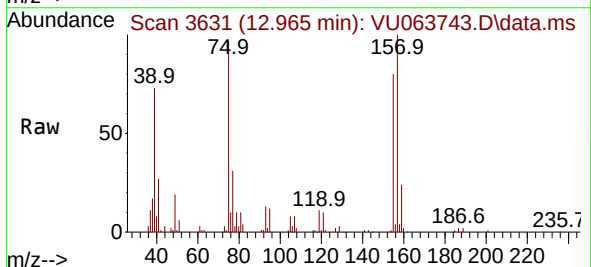
Tgt Ion: 75 Resp: 53929

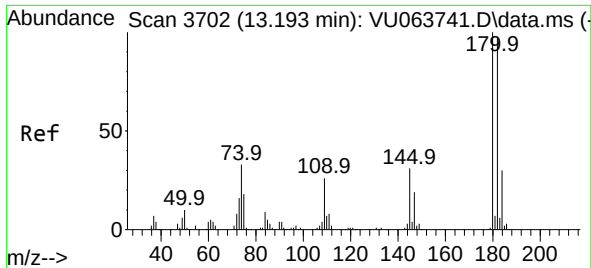
Ion Ratio Lower Upper

75 100

155 81.9 64.1 96.1

157 102.9 79.0 118.4

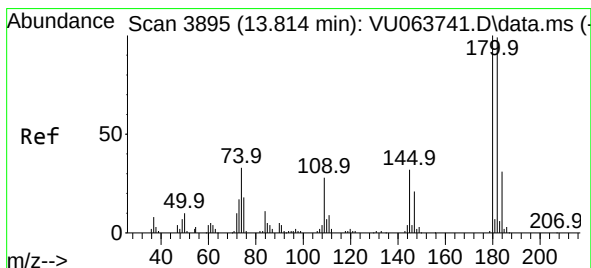
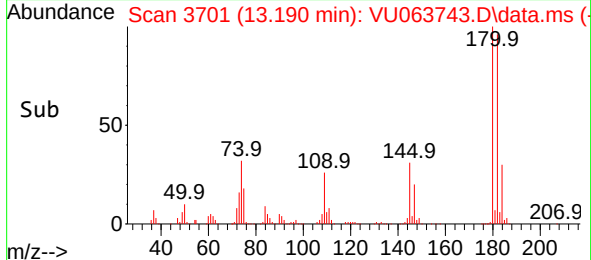
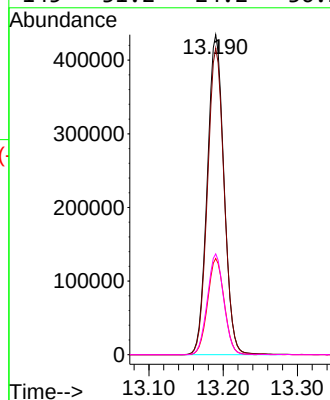
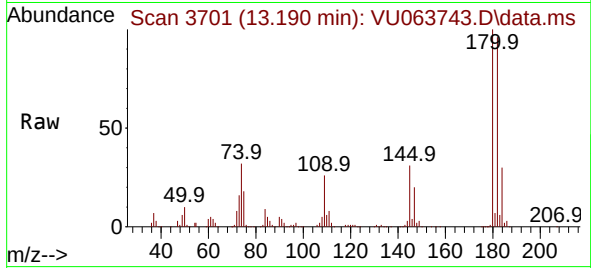




#69
 1,3,5-Trichlorobenzene
 Concen: 23.343 ug/L
 RT: 13.190 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

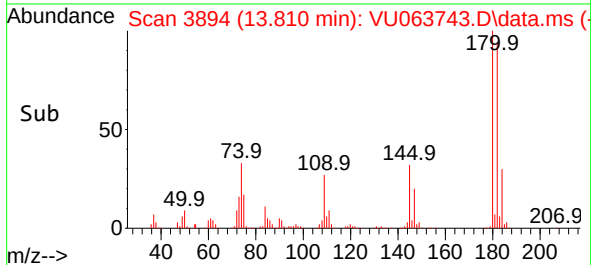
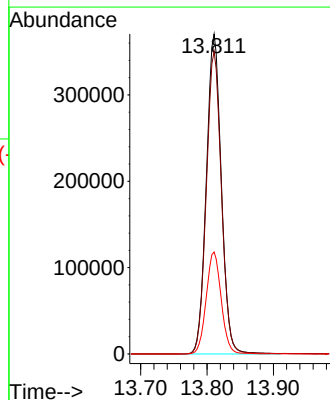
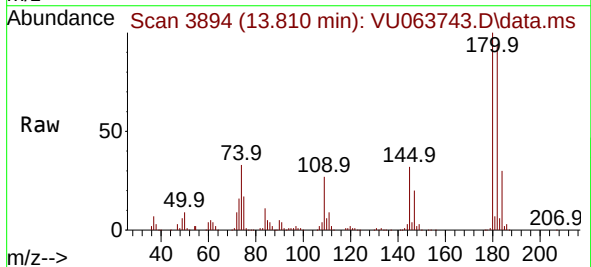
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020031

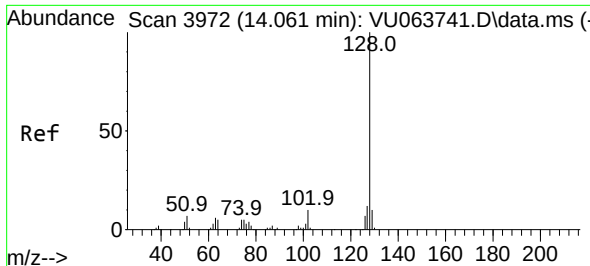
Tgt Ion:180 Resp: 675707
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.4 114.6
 184 30.0 23.8 35.6
 145 31.2 24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 26.047 ug/L
 RT: 13.810 min Scan# 3894
 Delta R.T. -0.003 min
 Lab File: VU063743.D
 Acq: 19 Nov 2025 11:53

Tgt Ion:180 Resp: 581354
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.8 116.6
 145 32.0 26.1 39.1

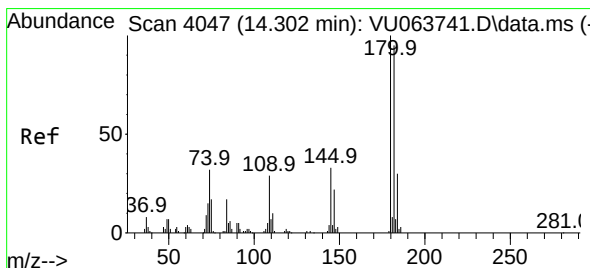
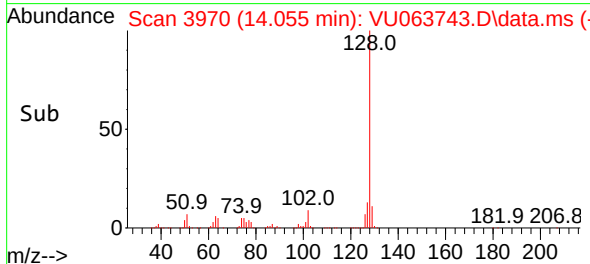
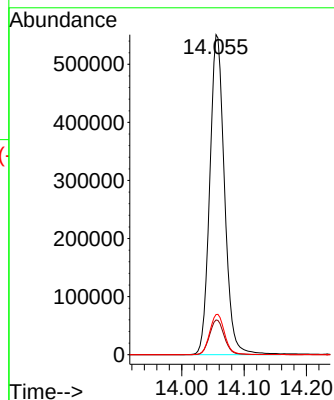
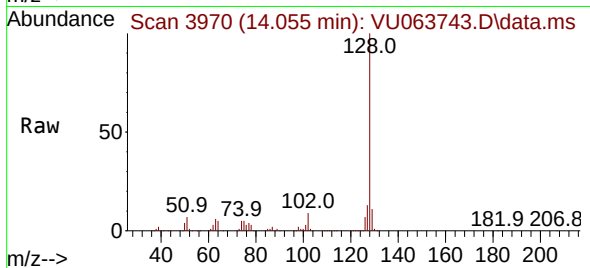




#71
Naphthalene
Concen: 27.681 ug/L
RT: 14.055 min Scan# 3972
Delta R.T. -0.006 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD020031

Tgt Ion:128 Resp: 906143
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.7 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 25.964 ug/L
RT: 14.299 min Scan# 4046
Delta R.T. -0.003 min
Lab File: VU063743.D
Acq: 19 Nov 2025 11:53

Tgt Ion:180 Resp: 491408
Ion Ratio Lower Upper
180 100
182 95.5 75.7 113.5
145 33.0 27.1 40.7

