Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023873.D
Acq On : 03 Dec 2025 16:00
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Dec 04 03:53:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	661009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1155010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	986289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	396384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	371365	56.161	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.320%			
35) Dibromofluoromethane	7.640	113	366359	49.455	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.900%			
50) Toluene-d8	10.109	98	1361568	47.232	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.460%			
62) 4-Bromofluorobenzene	12.408	95	399596	40.641	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.280%			
Target Compounds						Qvalue
10) Methyl Iodide	4.019	142	3444	2.874	ug/l #	94
11) Tert butyl alcohol	4.824	59	1413	Below Cal	#	74
15) Acrylonitrile	5.073	53	2110	1.423	ug/l #	54
20) Methylene Chloride	4.622	84	24476	1.622	ug/l	96
25) 2-Butanone	6.890	43	4625	1.936	ug/l	91
31) Cyclohexane	7.707	56	14173	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	50218	4.597	ug/l #	50
38) Carbon Tetrachloride	7.713	117	64535	5.353	ug/l #	16
49) 1,4-Dioxane	9.231	88	63	1.339	ug/l #	1
56) Ethyl methacrylate	10.444	69	1030	4.264	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	937	14.961	ug/l #	83
76) 1,2,3-Trichloropropane	12.408	75	206934	52.660	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	206934	126.125	ug/l #	14
91) 1,2-Dichlorobenzene	13.657	146	13160	1.107	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1213	1.637	ug/l	74
93) 1,2,4-Trichlorobenzene	14.919	180	16643	2.362	ug/l	96
94) Hexachlorobutadiene	15.023	225	6847	1.549	ug/l	93
95) Naphthalene	15.151	128	33559	2.890	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	16636	2.767	ug/l	98

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

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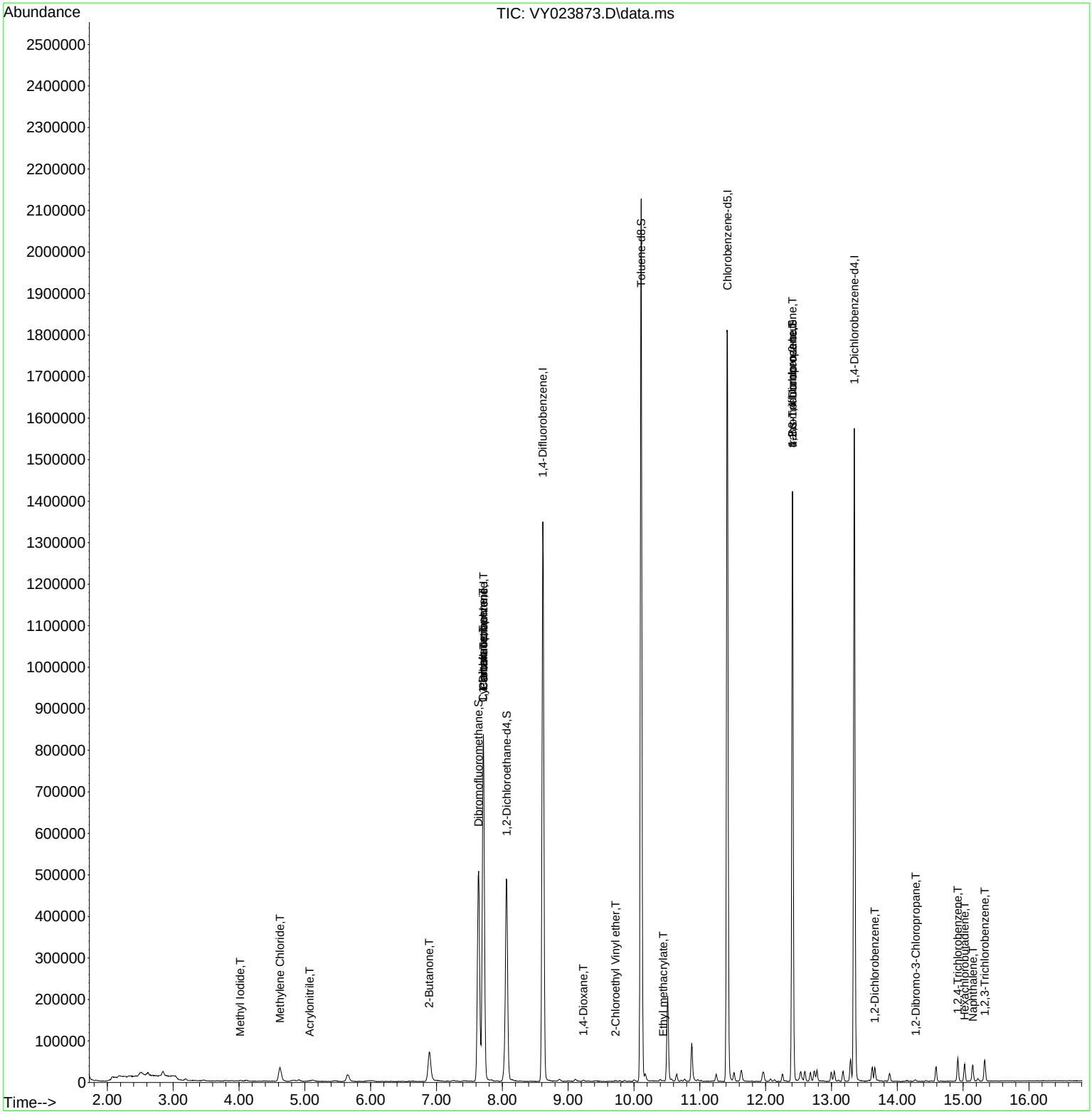
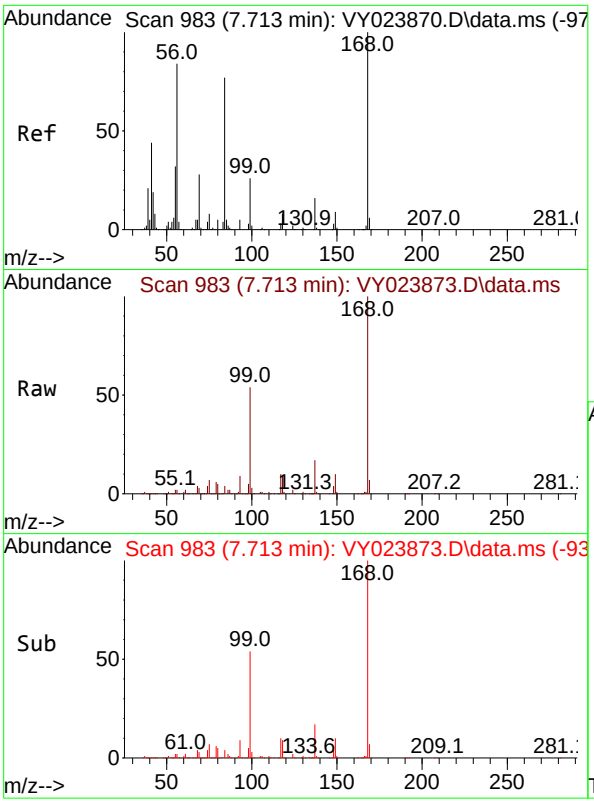
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Dec 04 03:53:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration



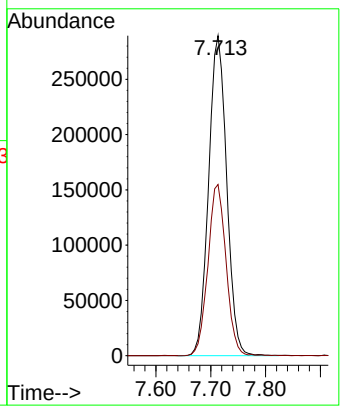


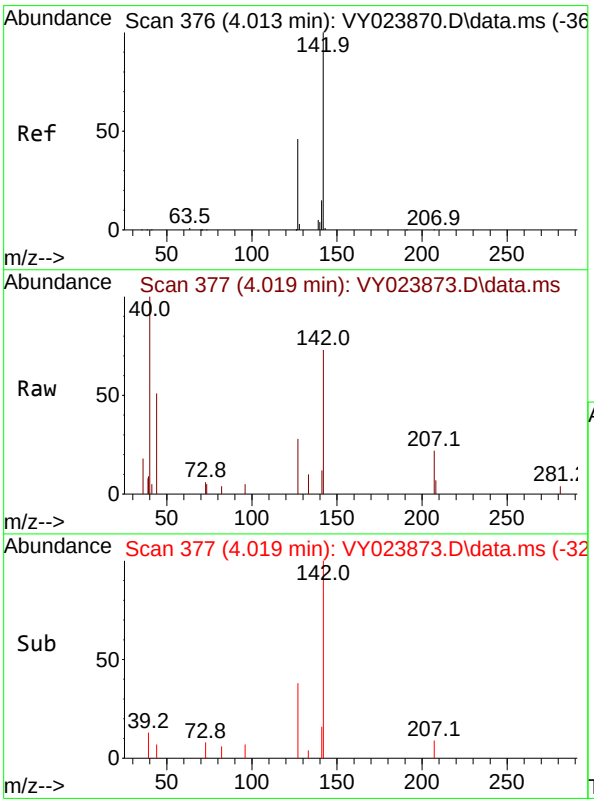
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 661009

Ion	Ratio	Lower	Upper
168	100		
99	53.5	42.5	63.7

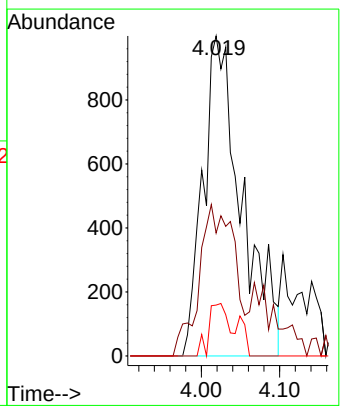


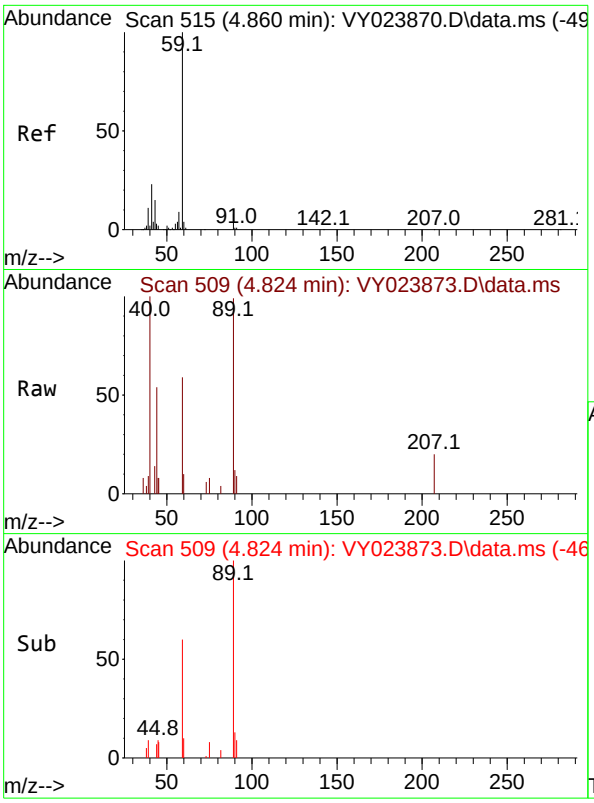


#10
Methyl Iodide
Concen: 2.874 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion:142 Resp: 3444

Ion	Ratio	Lower	Upper
142	100		
127	42.7	36.1	54.1
141	8.7	11.8	17.8#



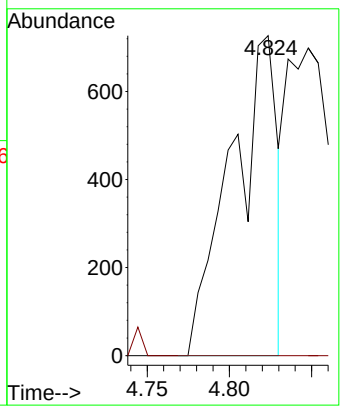


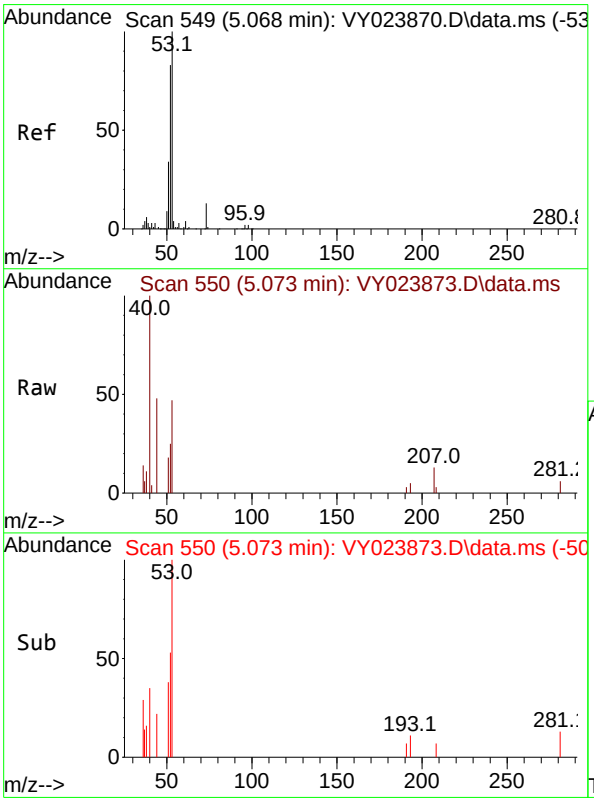
#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.824 min Scan# 5(
Delta R.T. -0.037 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 59 Resp: 1413

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

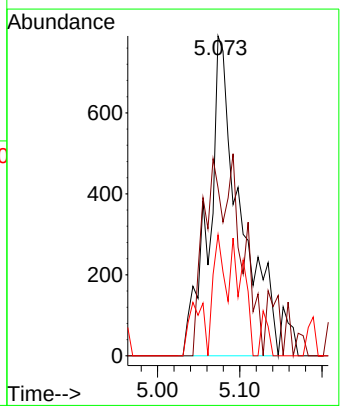


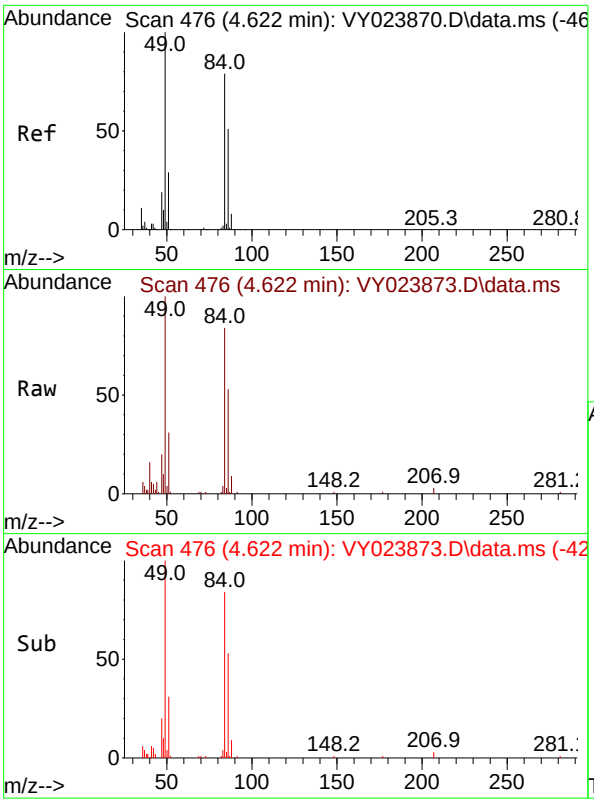


#15
Acrylonitrile
Concen: 1.423 ug/l
RT: 5.073 min Scan# 550
Delta R.T. 0.006 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion: 53 Resp: 2110

Ion	Ratio	Lower	Upper
53	100		
52	37.2	65.1	97.7#
51	14.6	29.5	44.3#



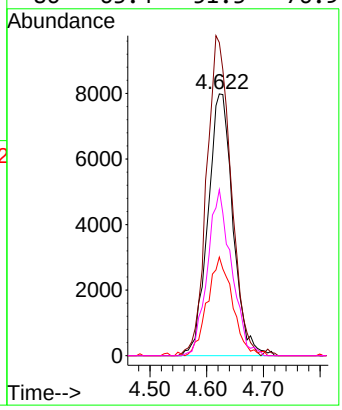


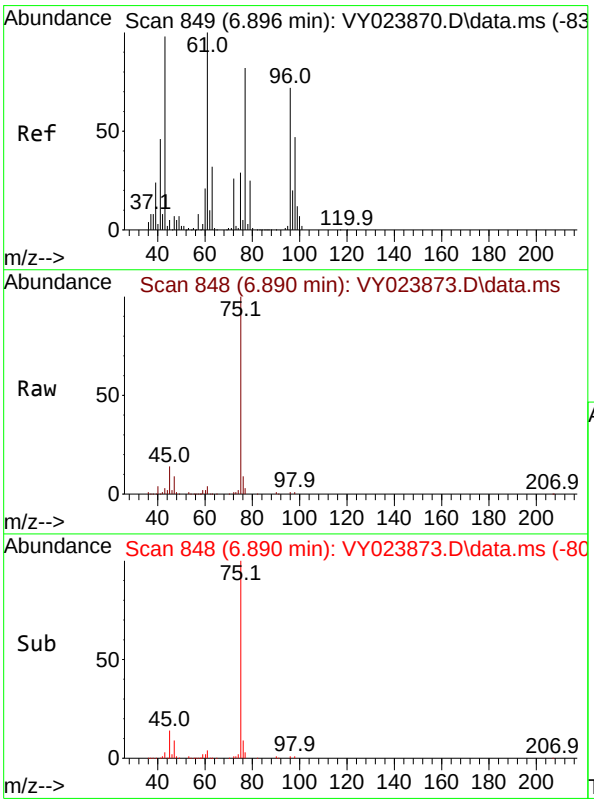
#20
Methylene Chloride
Concen: 1.622 ug/l
RT: 4.622 min Scan# 4
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 24476

Ion	Ratio	Lower	Upper
84	100		
49	119.6	100.6	151.0
51	37.7	29.0	43.6
86	63.4	51.3	76.9

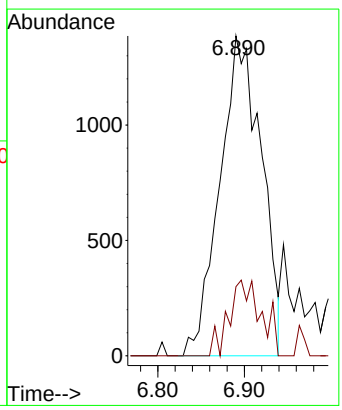


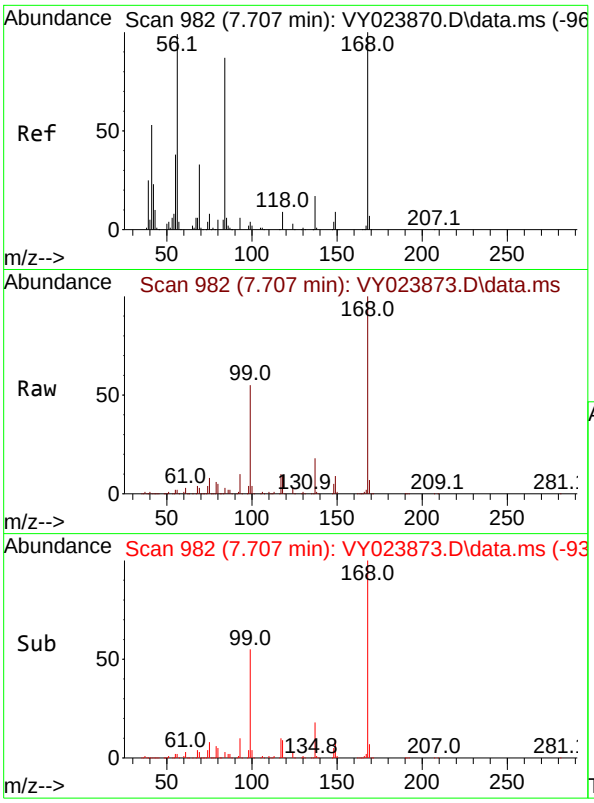


#25
2-Butanone
Concen: 1.936 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion: 43 Resp: 4625

Ion	Ratio	Lower	Upper
43	100		
72	21.6	21.0	31.6



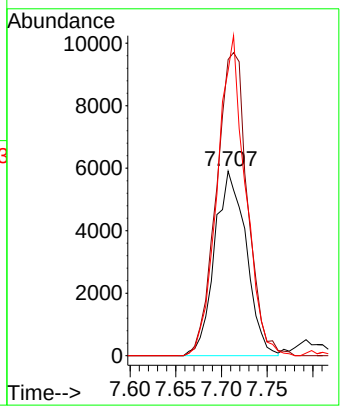


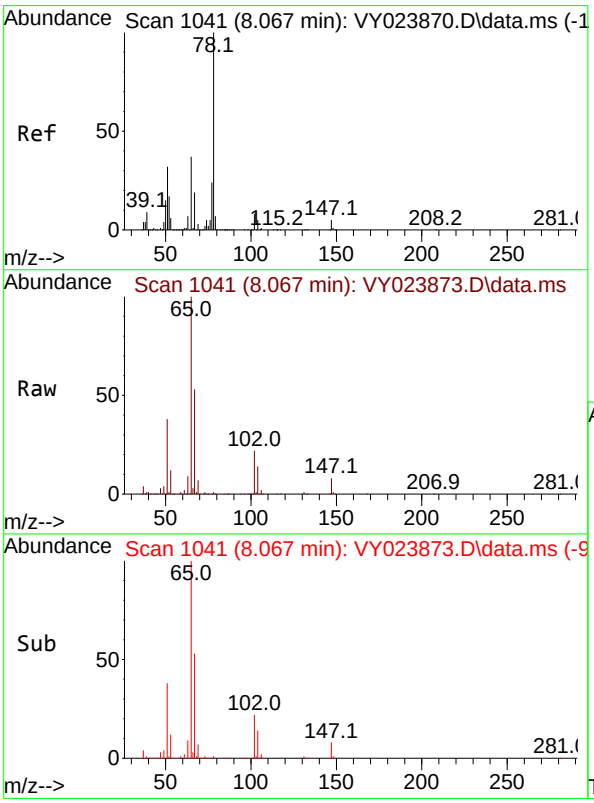
#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 56 Resp: 14173

Ion	Ratio	Lower	Upper
56	100		
69	160.5	26.8	40.2#
84	154.6	70.4	105.6#

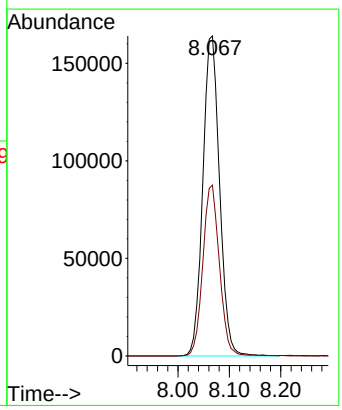


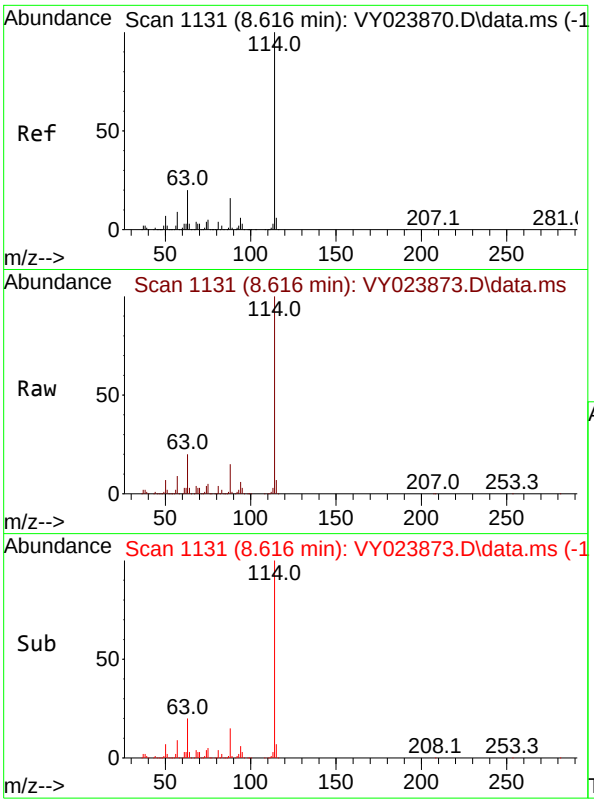


#33
1,2-Dichloroethane-d4
Concen: 56.161 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion: 65 Resp: 371365

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.2



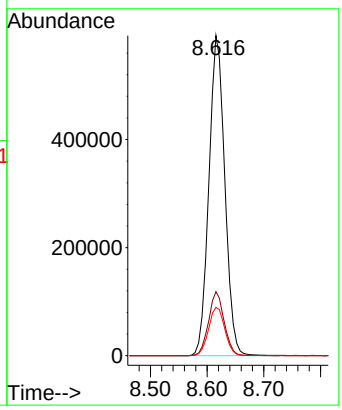


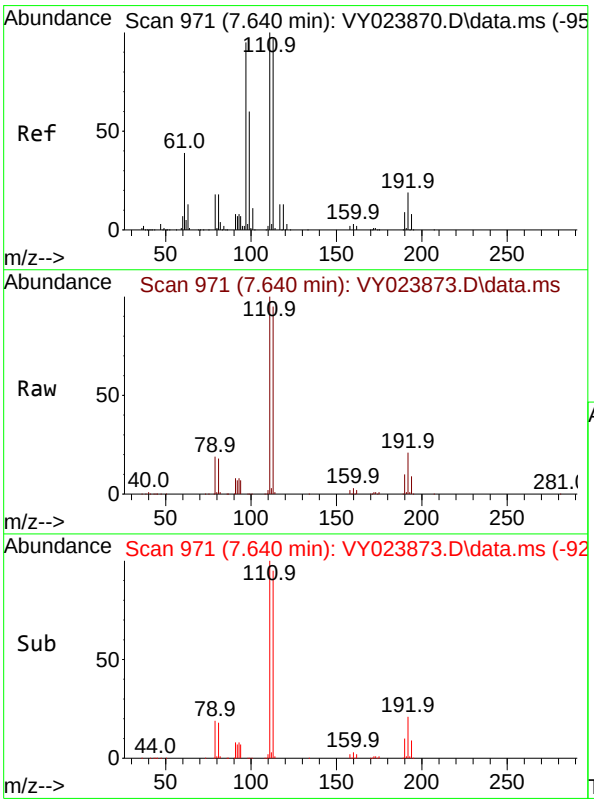
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:114 Resp: 1155010

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.2
88	15.1	0.0	31.4

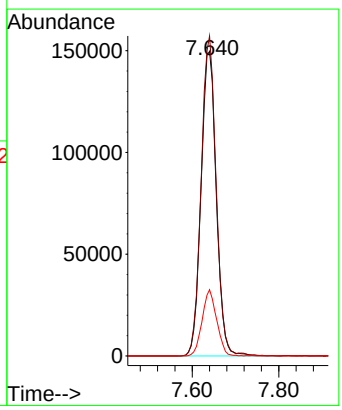


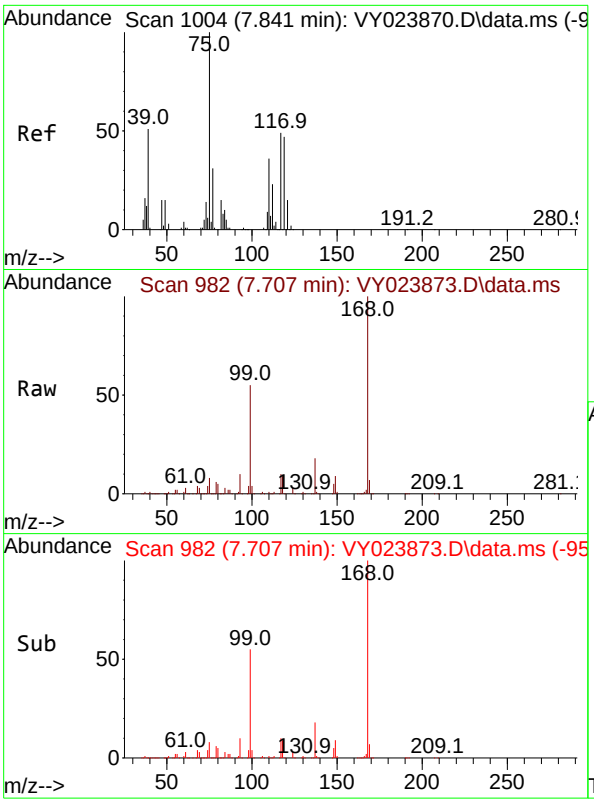


#35
Dibromofluoromethane
Concen: 49.455 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion:113 Resp: 366359

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.2
192	20.7	15.8	23.8



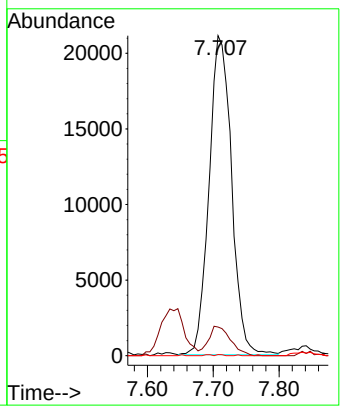


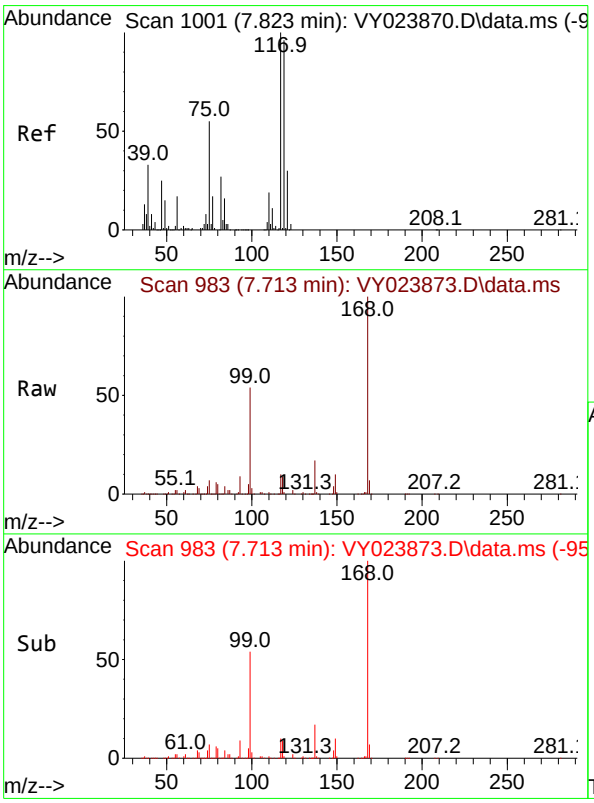
#36
1,1-Dichloropropene
Concen: 4.597 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.134 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 50218

Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.6	52.9#
77	0.1	24.6	37.0#

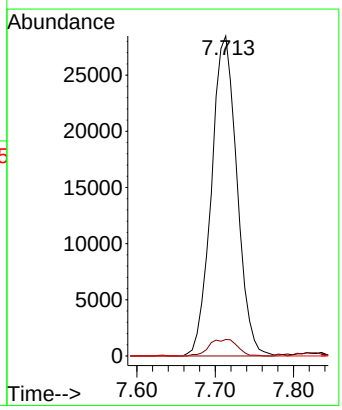


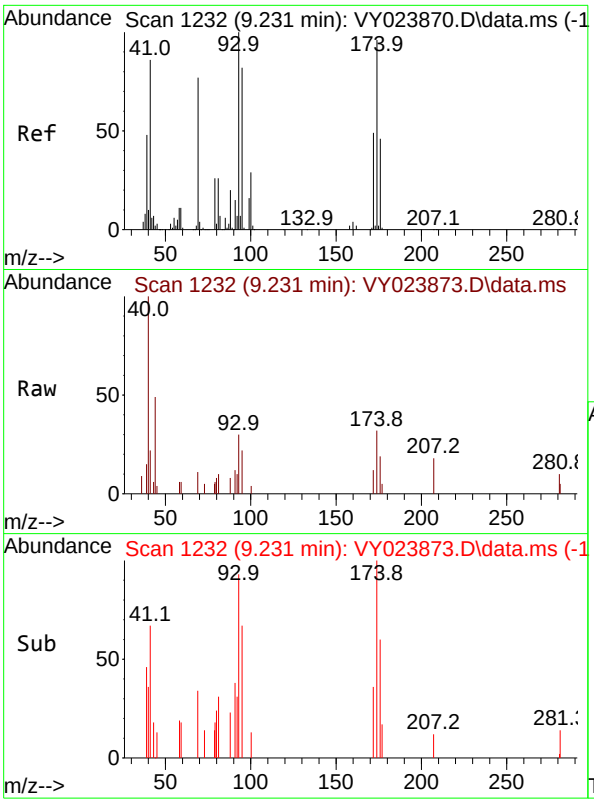


#38
Carbon Tetrachloride
Concen: 5.353 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion:117 Resp: 64535

Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.0	115.6#
121	0.0	23.9	35.9#



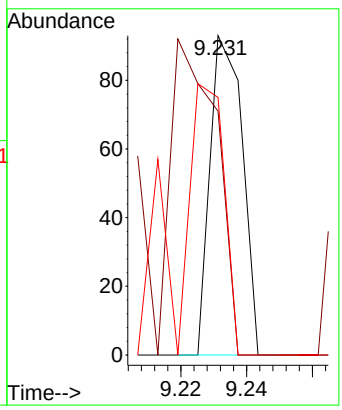


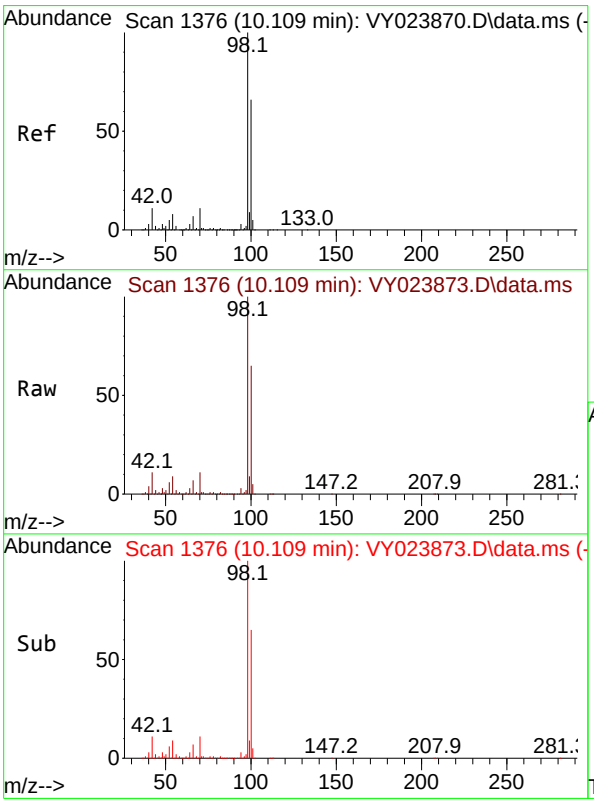
#49
1,4-Dioxane
Concen: 1.339 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 88 Resp: 63

Ion	Ratio	Lower	Upper
88	100		
43	141.3	26.8	40.2#
58	122.2	52.4	78.6#

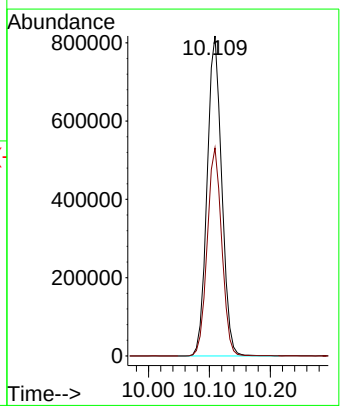


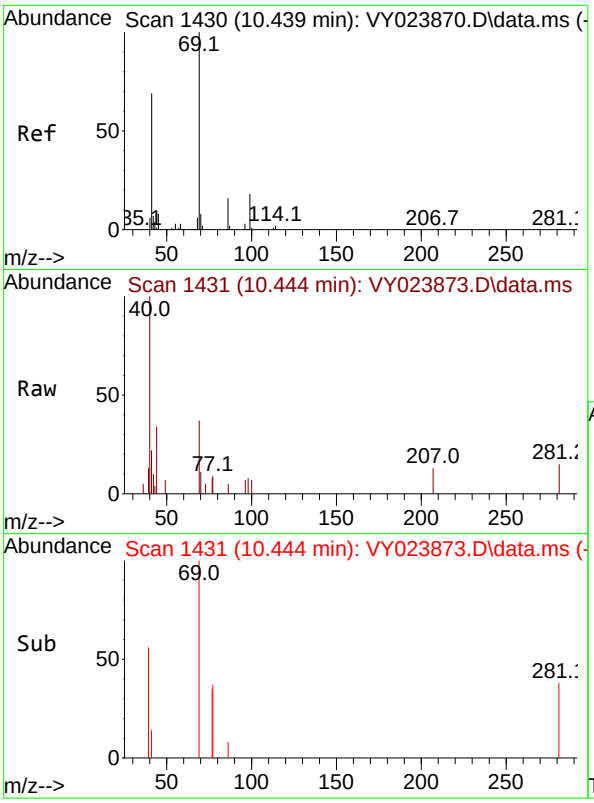


#50
Toluene-d8
Concen: 47.232 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion: 98 Resp: 1361568

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.5	78.7



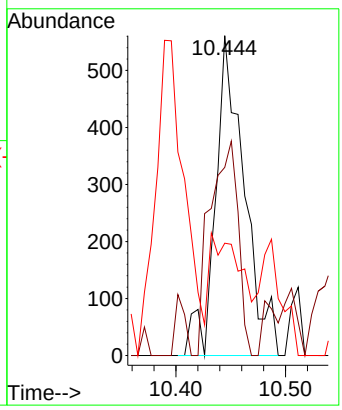


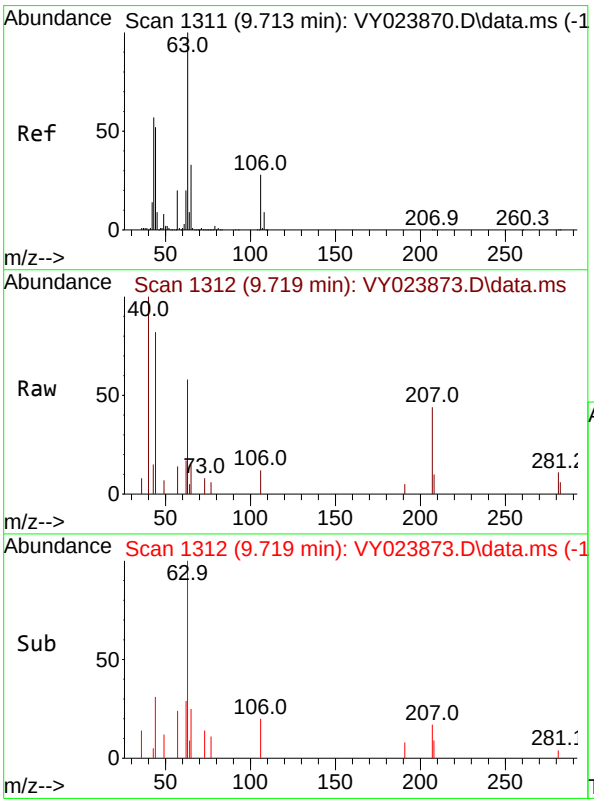
#56
Ethyl methacrylate
Concen: 4.264 ug/l
RT: 10.444 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 69 Resp: 1030

Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.5	78.7
39	36.2	27.1	40.7

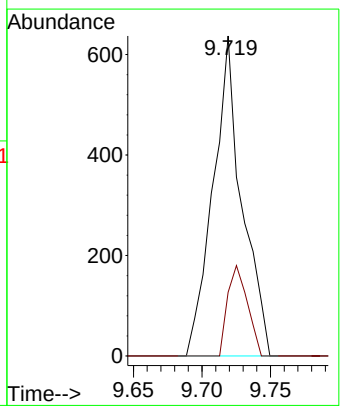


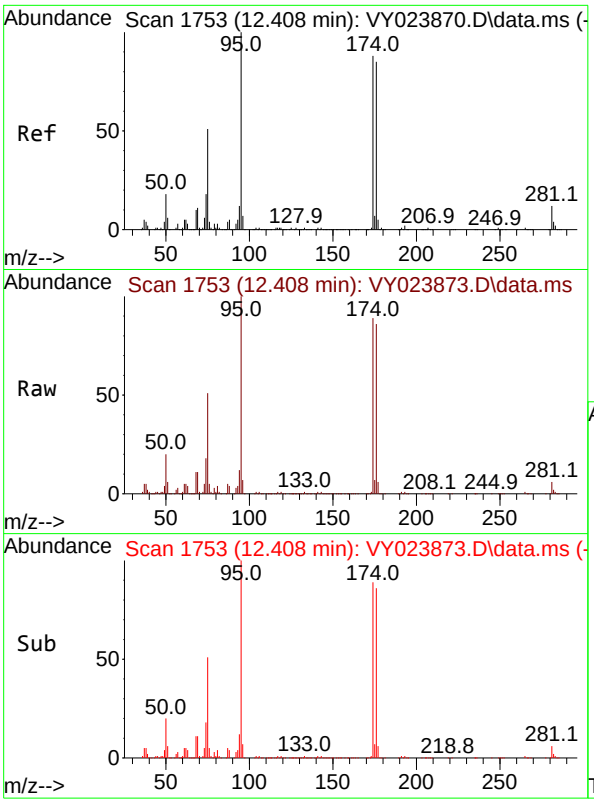


#58
2-Chloroethyl Vinyl ether
Concen: 14.961 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion: 63 Resp: 937

Ion	Ratio	Lower	Upper
63	100		
106	19.3	22.5	33.7#



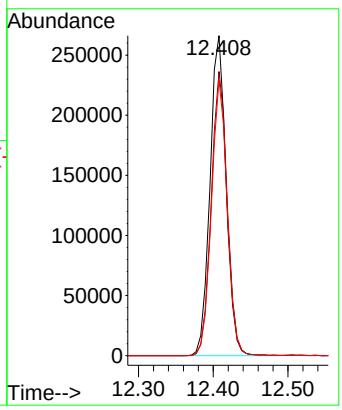


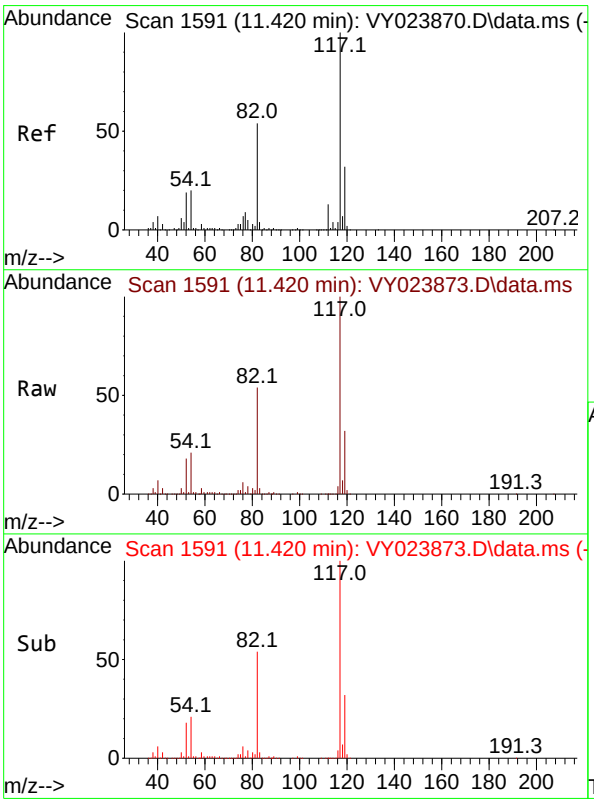
#62
4-Bromofluorobenzene
Concen: 40.641 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 95 Resp: 399596

Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	169.6
176	84.4	0.0	164.4

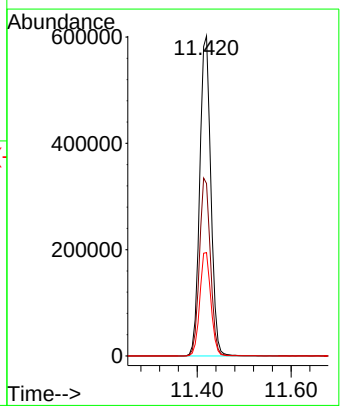


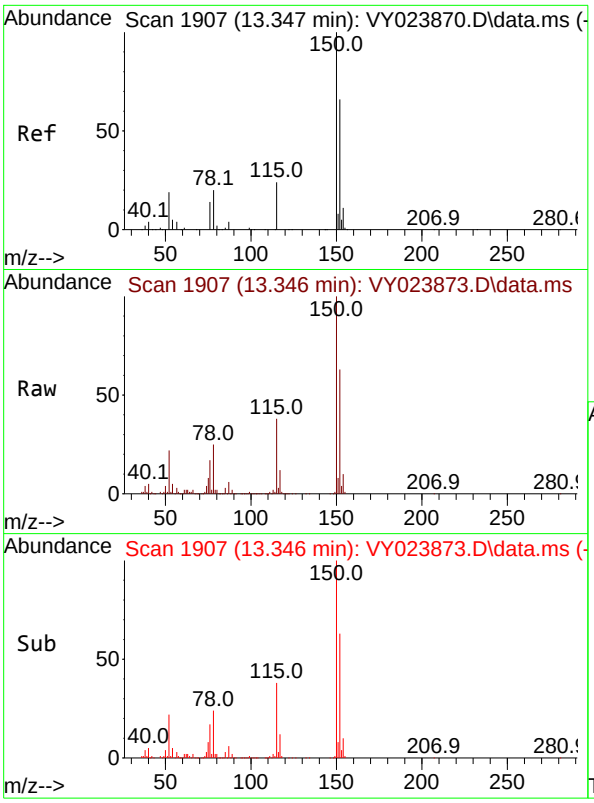


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion:117 Resp: 986289

Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.1	64.7
119	32.3	26.0	39.0



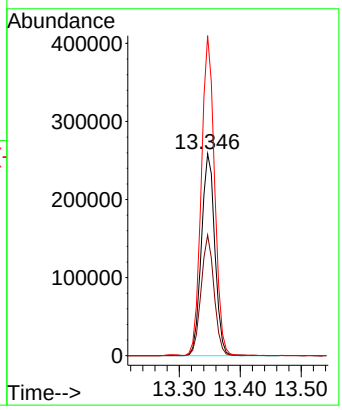


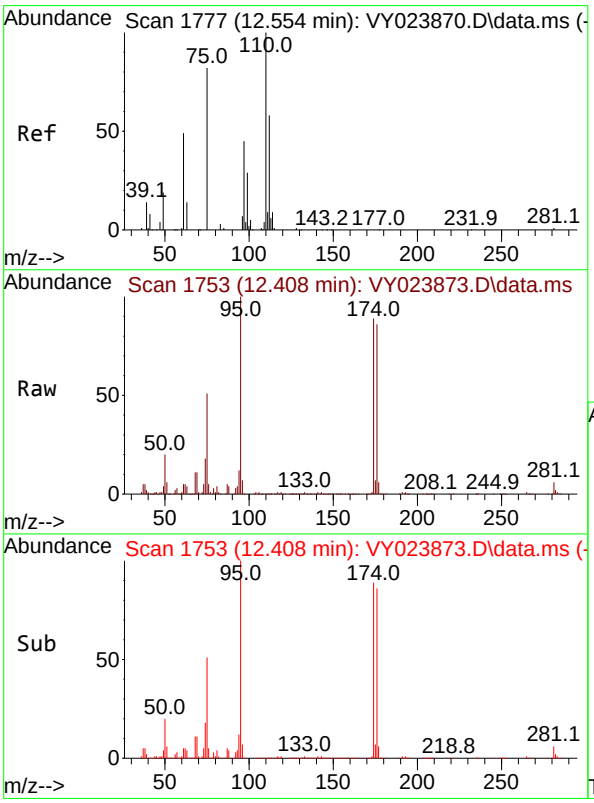
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:152 Resp: 396384

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.8	86.4
150	156.1	0.0	352.2

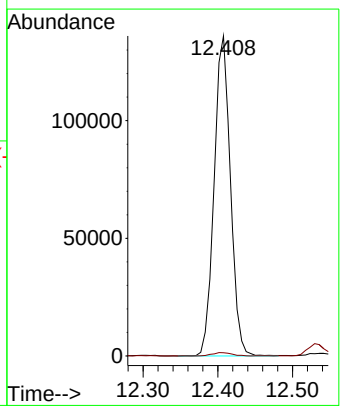


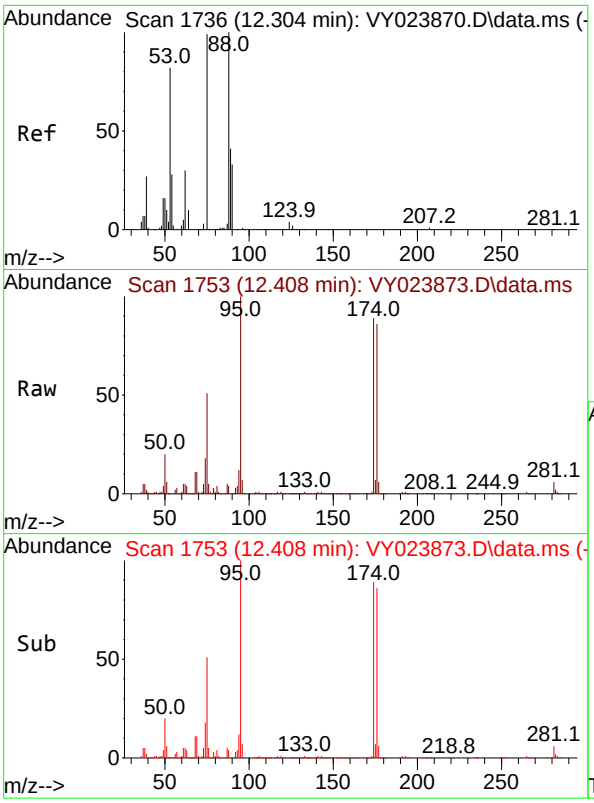


#76
1,2,3-Trichloropropane
Concen: 52.660 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion: 75 Resp: 206934

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



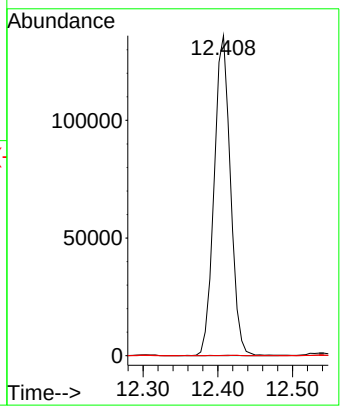


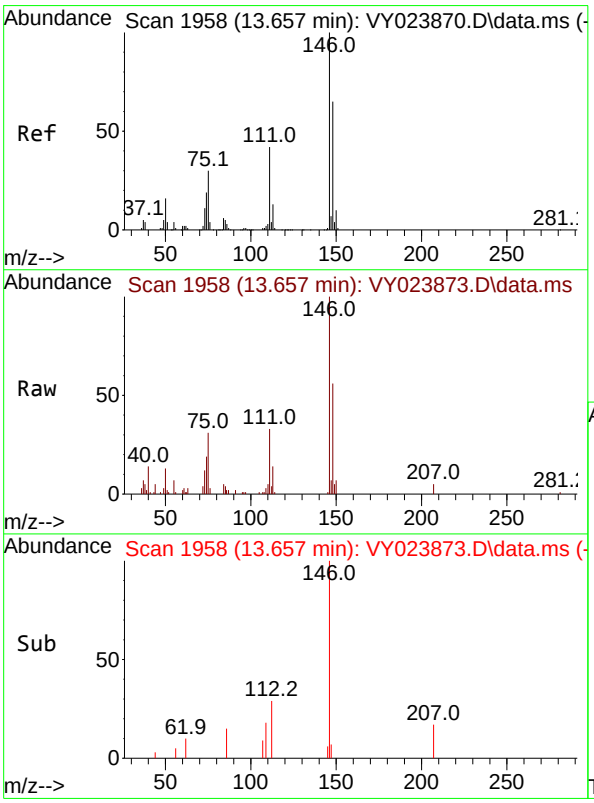
#81
trans-1,4-Dichloro-2-butene
Concen: 126.125 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 206934

Ion	Ratio	Lower	Upper
75	100		
53	0.2	71.1	106.7#
89	0.1	36.3	54.5#

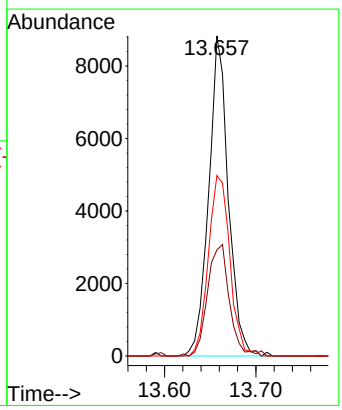


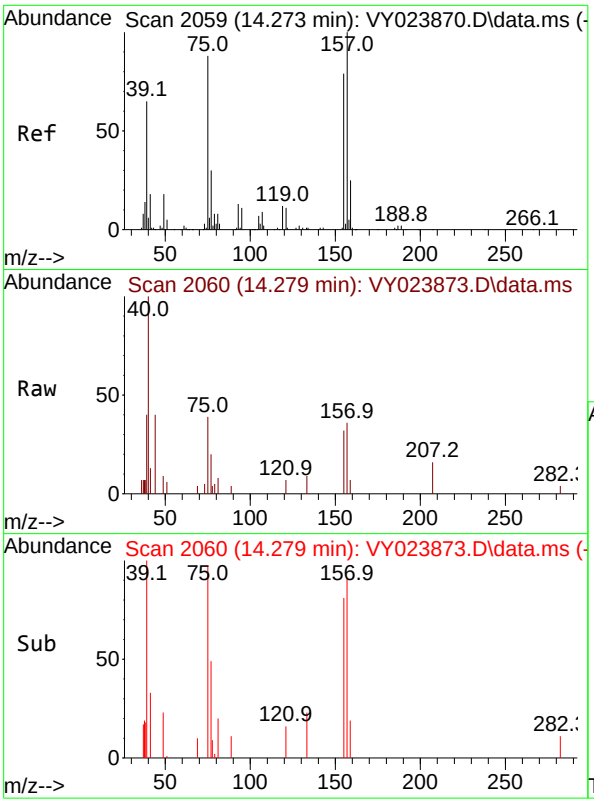


#91
1,2-Dichlorobenzene
Concen: 1.107 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion:146 Resp: 13160

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.4	61.3
148	61.7	32.3	96.8



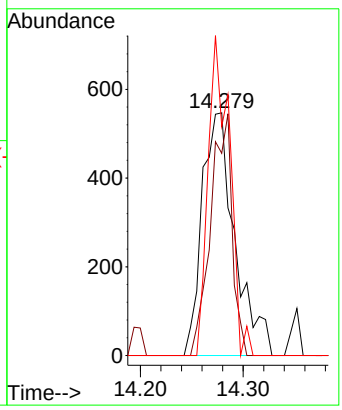


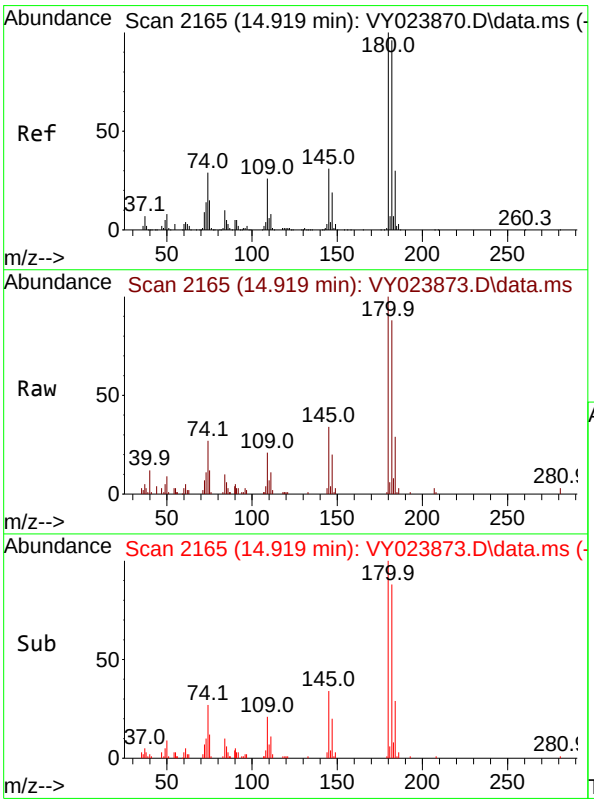
#92
1,2-Dibromo-3-Chloropropane
Concen: 1.637 ug/l
RT: 14.279 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 1213

Ion	Ratio	Lower	Upper
75	100		
155	65.3	44.4	133.2
157	86.0	57.5	172.3

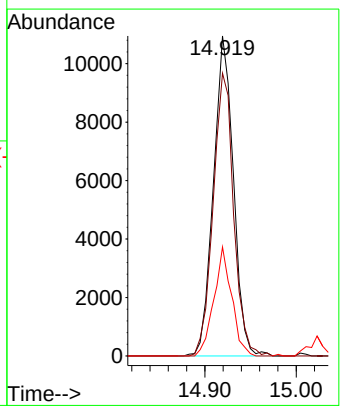


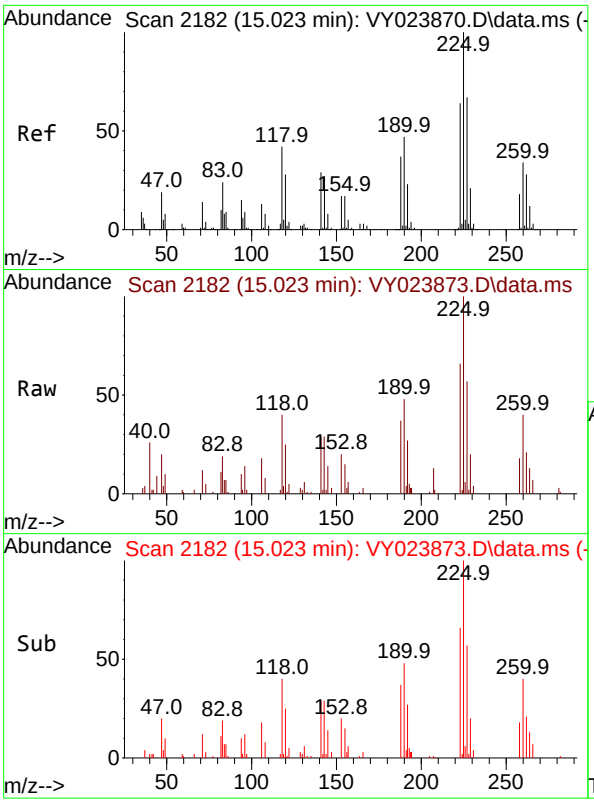


#93
1,2,4-Trichlorobenzene
Concen: 2.362 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion:180 Resp: 16643

Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.4	142.3
145	30.4	15.2	45.5



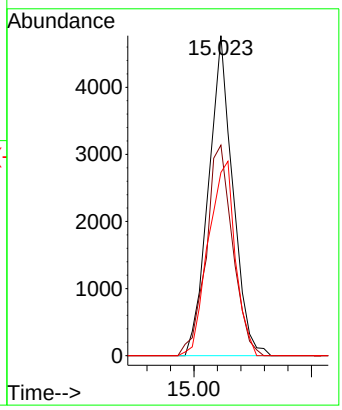


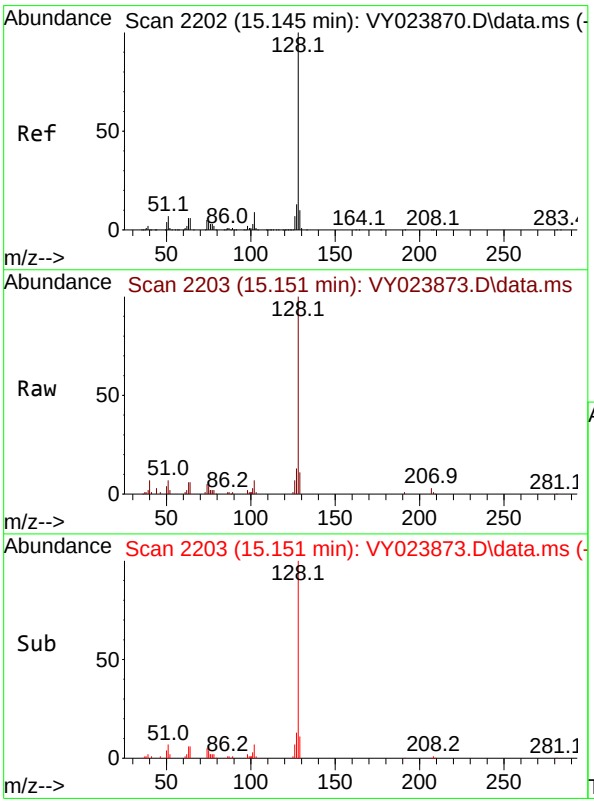
#94
Hexachlorobutadiene
Concen: 1.549 ug/l
RT: 15.023 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:225 Resp: 6847

Ion	Ratio	Lower	Upper
225	100		
223	71.7	31.6	95.0
227	67.7	32.6	97.8

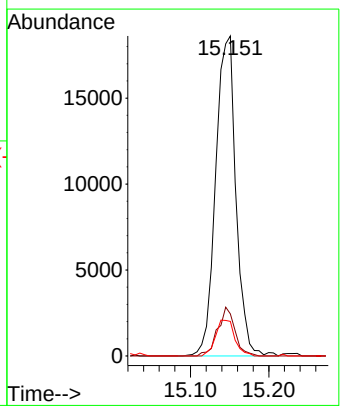


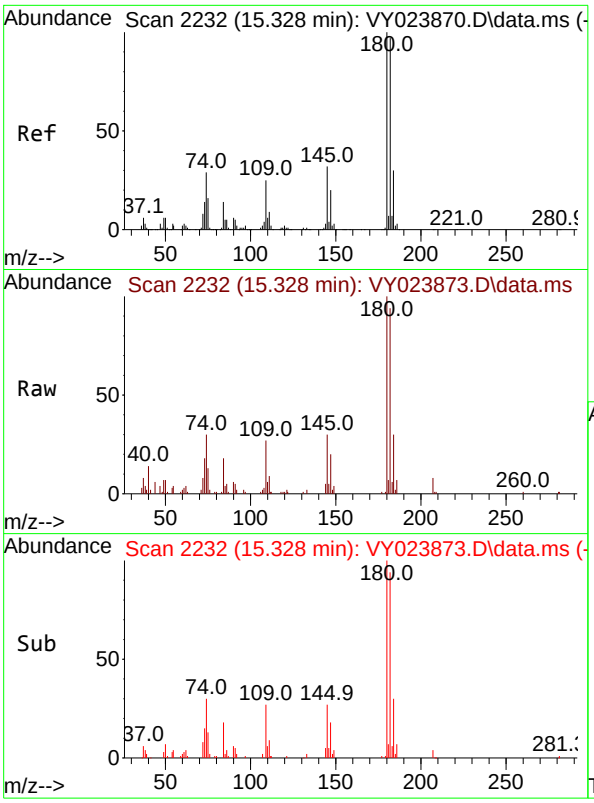


#95
Naphthalene
Concen: 2.890 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Tgt Ion:128 Resp: 33559

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 2.767 ug/l
RT: 15.328 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023873.D
Acq: 03 Dec 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:180 Resp: 16636

Ion	Ratio	Lower	Upper
180	100		
182	91.7	46.9	140.8
145	31.4	15.7	47.1