Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
Data File : VY022736.D
Acq On : 18 Jun 2025 13:29
Operator : SY/MD
Sample : Q2307-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Quant Time: Jun 19 04:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

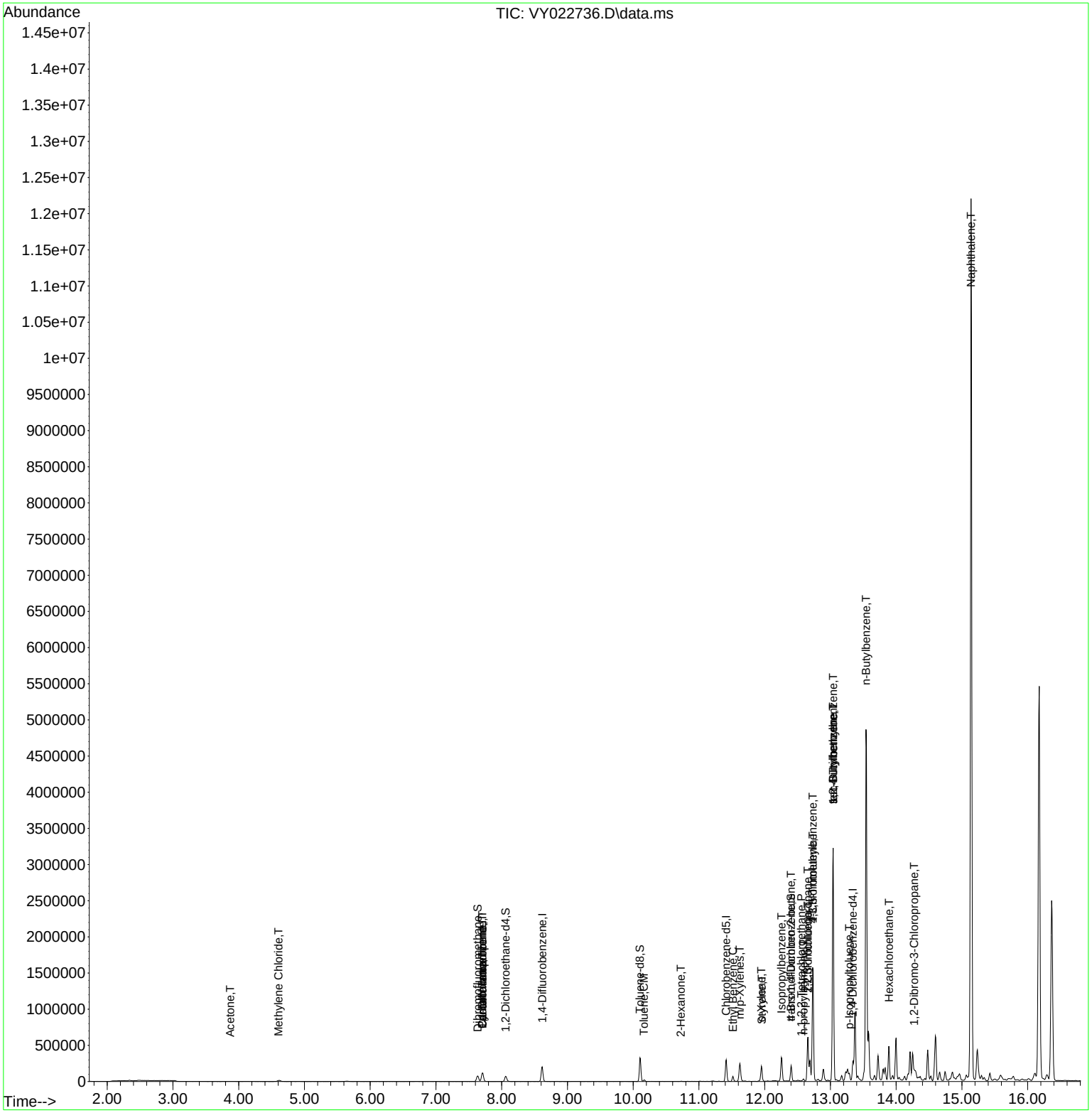
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	86683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	163127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	144569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	60918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	53154	54.826	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.660%			
35) Dibromofluoromethane	7.634	113	52299	53.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.420%			
50) Toluene-d8	10.103	98	202476	51.465	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.920%			
62) 4-Bromofluorobenzene	12.402	95	57356	48.930	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.860%			
Target Compounds						Qvalue
16) Acetone	3.873	43	1607	8.162	ug/l #	82
20) Methylene Chloride	4.604	84	11388	10.182	ug/l	98
31) Cyclohexane	7.707	56	2671	1.434	ug/l #	45
36) 1,1-Dichloropropene	7.707	75	7784	4.926	ug/l #	48
38) Carbon Tetrachloride	7.707	117	8754	5.400	ug/l #	18
52) Toluene	10.164	92	8749	2.983	ug/l	100
59) 2-Hexanone	10.725	43	1319	2.599	ug/l #	24
67) Ethyl Benzene	11.518	91	45155	7.610	ug/l	98
68) m/p-Xylenes	11.621	106	69644	30.961	ug/l	99
69) o-Xylene	11.950	106	50806	24.090	ug/l	96
70) Styrene	11.957	104	4267	1.224	ug/l #	1
73) Isopropylbenzene	12.255	105	39333	7.864	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.560	83	1038	1.265	ug/l #	25
76) 1,2,3-Trichloropropane	12.658	75	3344	4.798	ug/l #	100
78) n-propylbenzene	12.591	91	21155	3.463	ug/l #	54
79) 2-Chlorotoluene	12.658	91	46079	14.232	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.731	105	737753	187.890	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.402	75	34782	120.524	ug/l #	10
82) 4-Chlorotoluene	12.731	91	81942	24.534	ug/l #	41
83) tert-Butylbenzene	13.042	119	188387	53.457	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.042	105	1518547	386.677	ug/l	99
85) sec-Butylbenzene	13.042	105	1518547	281.352	ug/l #	57
86) p-Isopropyltoluene	13.286	119	47393	10.653	ug/l	99
89) n-Butylbenzene	13.542	91	377293	89.386	ug/l #	47
90) Hexachloroethane	13.889	117	24039	27.755	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3055	25.563	ug/l #	2
95) Naphthalene	15.139	128	7821243	4116.075	ug/l	98

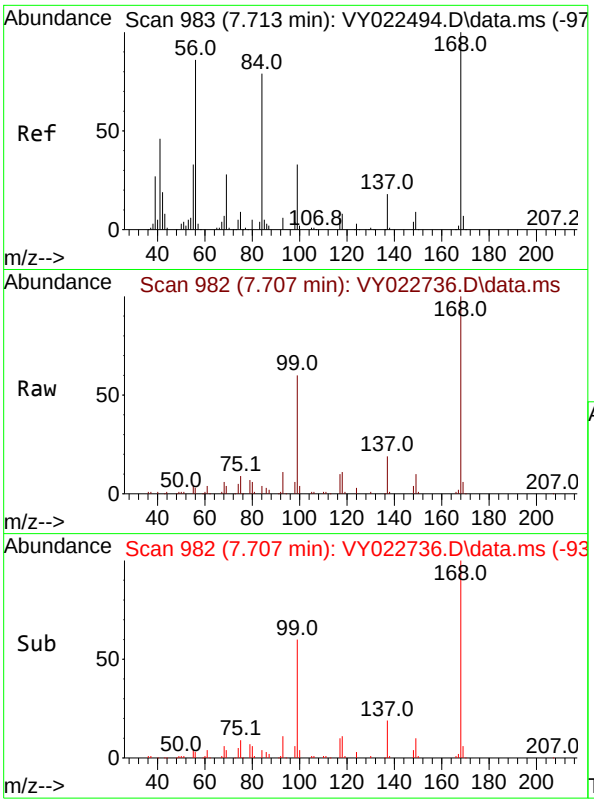
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
Data File : VY022736.D
Acq On : 18 Jun 2025 13:29
Operator : SY/MD
Sample : Q2307-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Quant Time: Jun 19 04:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



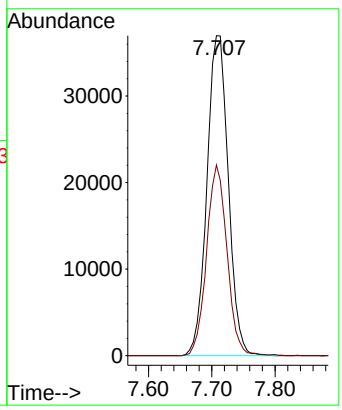


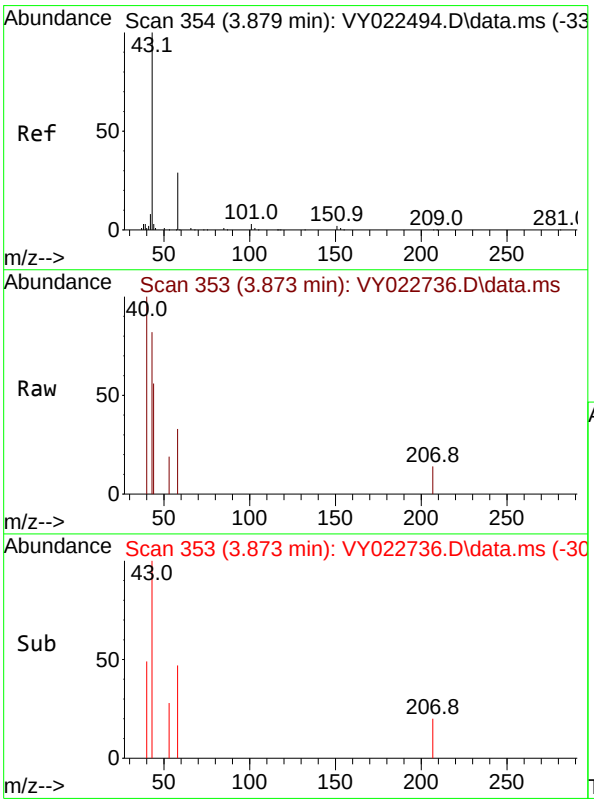
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:168 Resp: 86683

Ion	Ratio	Lower	Upper
168	100		
99	59.6	44.3	66.5

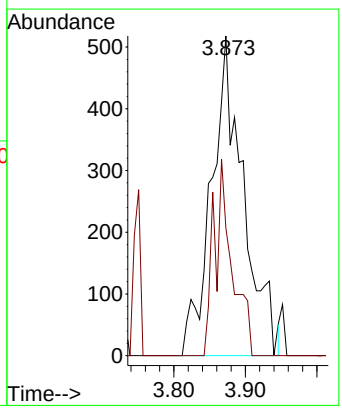


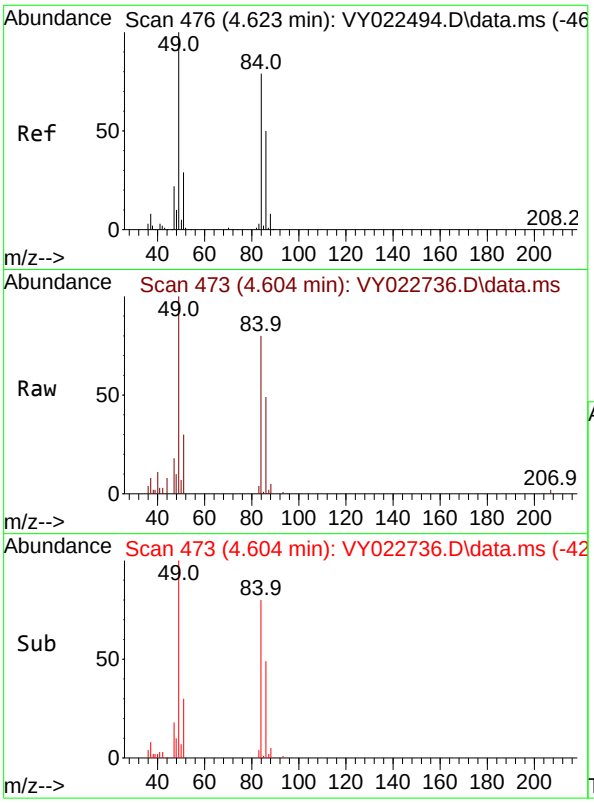


#16
Acetone
Concen: 8.162 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 43 Resp: 1607

Ion	Ratio	Lower	Upper
43	100		
58	40.0	24.0	36.0#



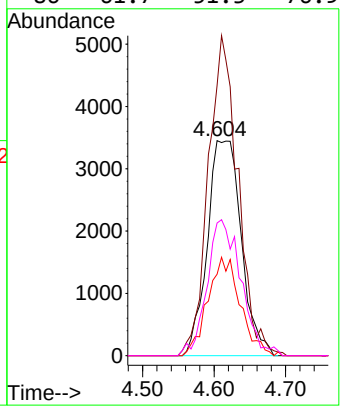


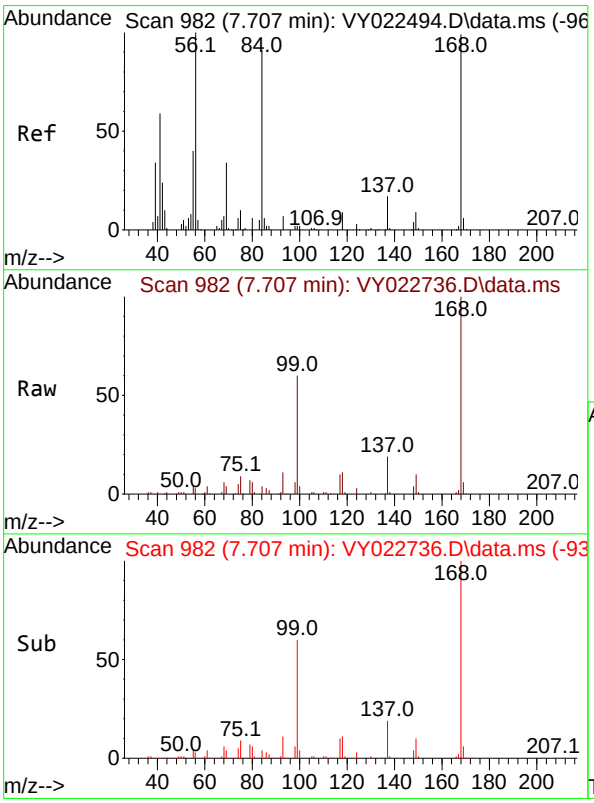
#20
Methylene Chloride
Concen: 10.182 ug/l
RT: 4.604 min Scan# 4
Delta R.T. -0.018 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion: 84 Resp: 11388

Ion	Ratio	Lower	Upper
84	100		
49	125.7	101.9	152.9
51	37.9	29.8	44.8
86	61.7	51.3	76.9

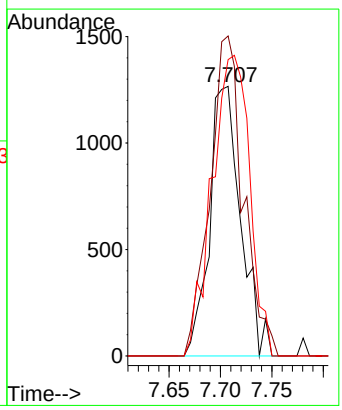


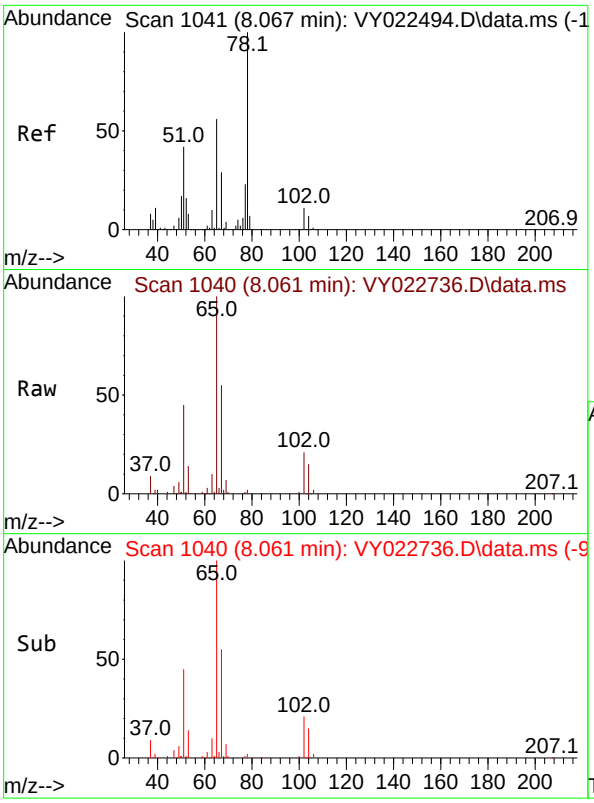


#31
Cyclohexane
Concen: 1.434 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 56 Resp: 2671

Ion	Ratio	Lower	Upper
56	100		
69	118.7	27.0	40.6#
84	110.0	72.6	109.0#



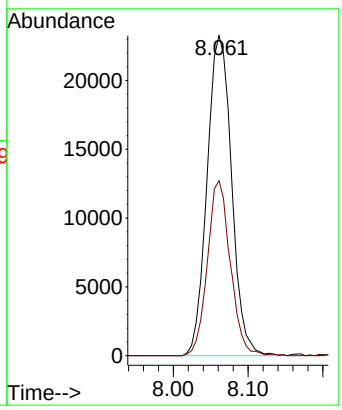


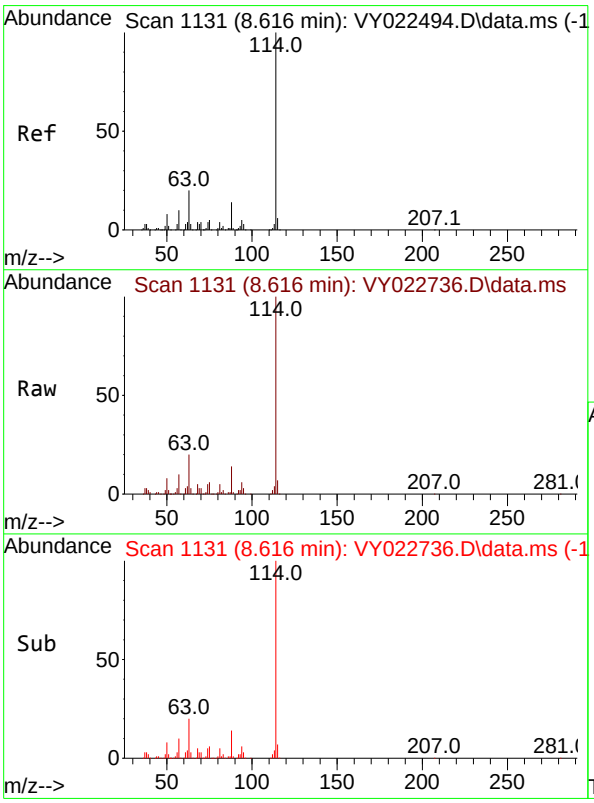
#33
1,2-Dichloroethane-d4
Concen: 54.826 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion: 65 Resp: 53154

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.4

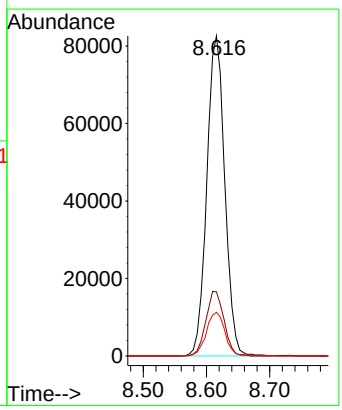


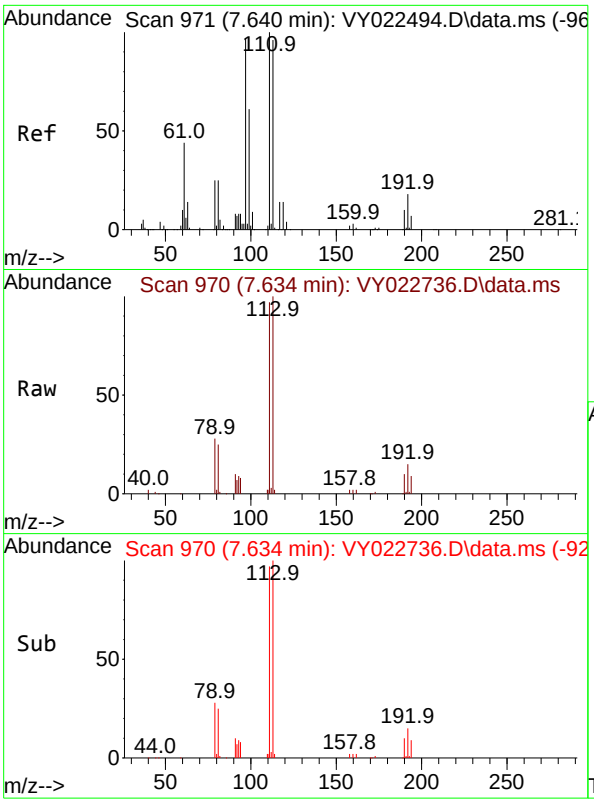


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion:114 Resp: 163127

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	13.6	0.0	27.8



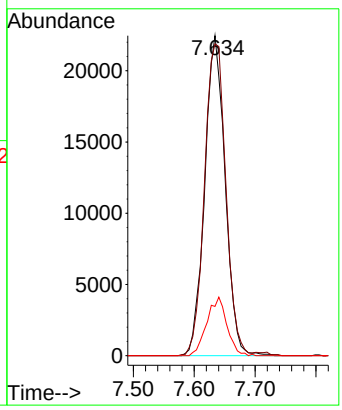


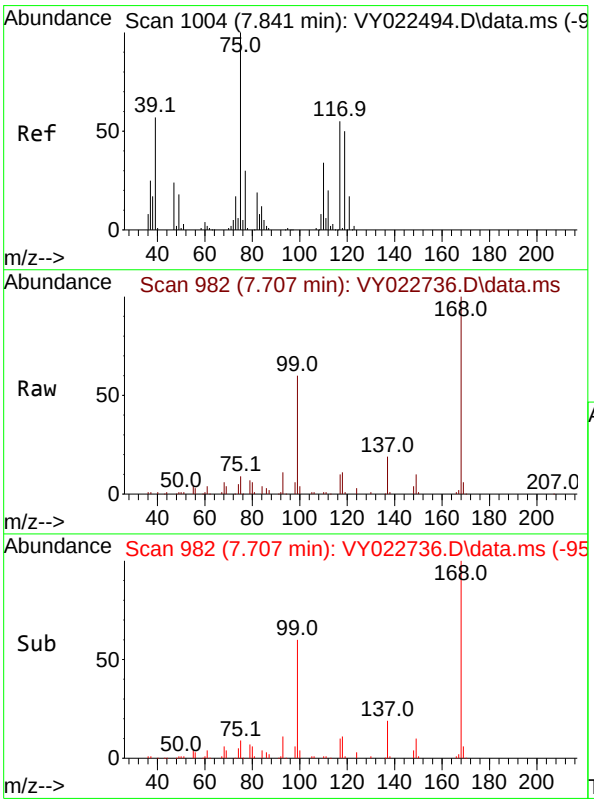
#35
Dibromofluoromethane
Concen: 53.713 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:113 Resp: 52299

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	18.0	14.2	21.2

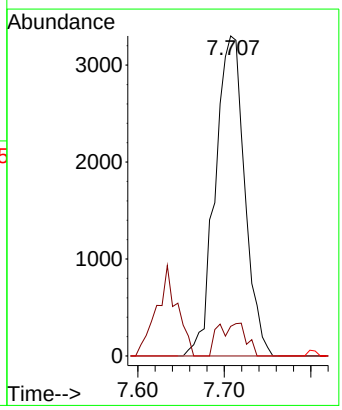


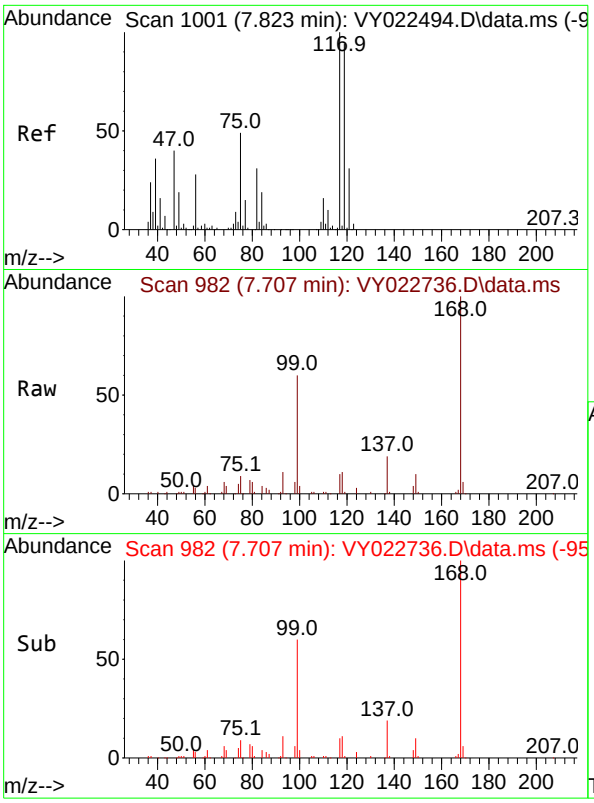


#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 75 Resp: 7784

Ion	Ratio	Lower	Upper
75	100		
110	5.9	16.9	50.7#
77	0.0	24.8	37.2#



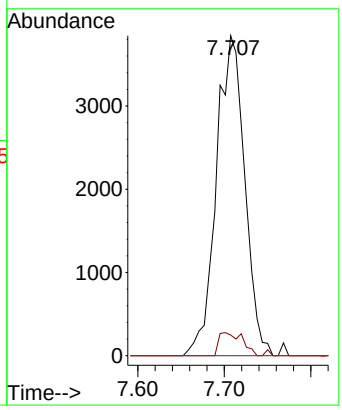


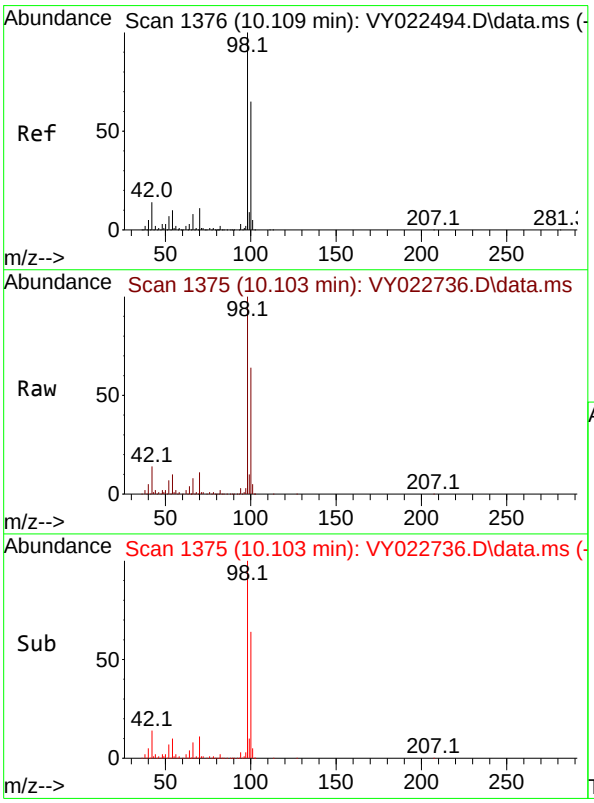
#38
Carbon Tetrachloride
Concen: 5.400 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.116 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:117 Resp: 8754

Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.0	112.6#
121	0.0	25.0	37.4#

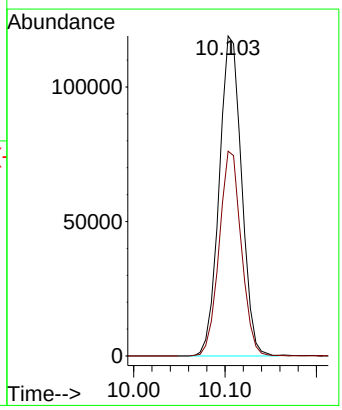


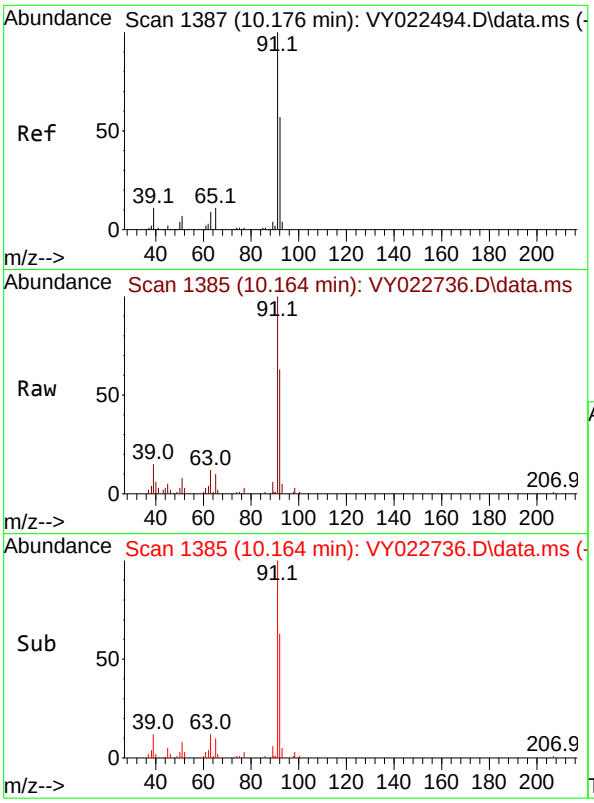


#50
Toluene-d8
Concen: 51.465 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 98 Resp: 202476

Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.4	77.0



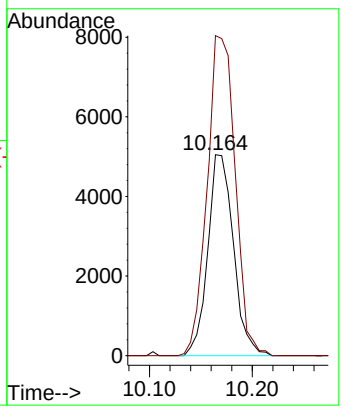


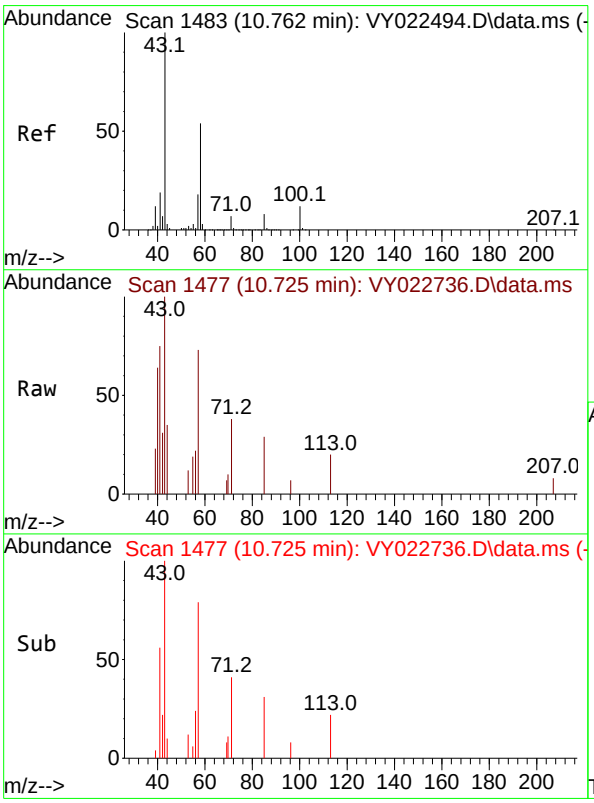
#52
Toluene
Concen: 2.983 ug/l
RT: 10.164 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion: 92 Resp: 8749

Ion	Ratio	Lower	Upper
92	100		
91	174.1	139.0	208.4

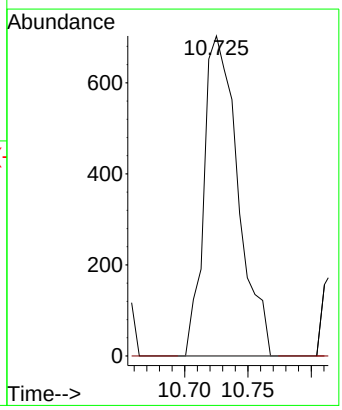


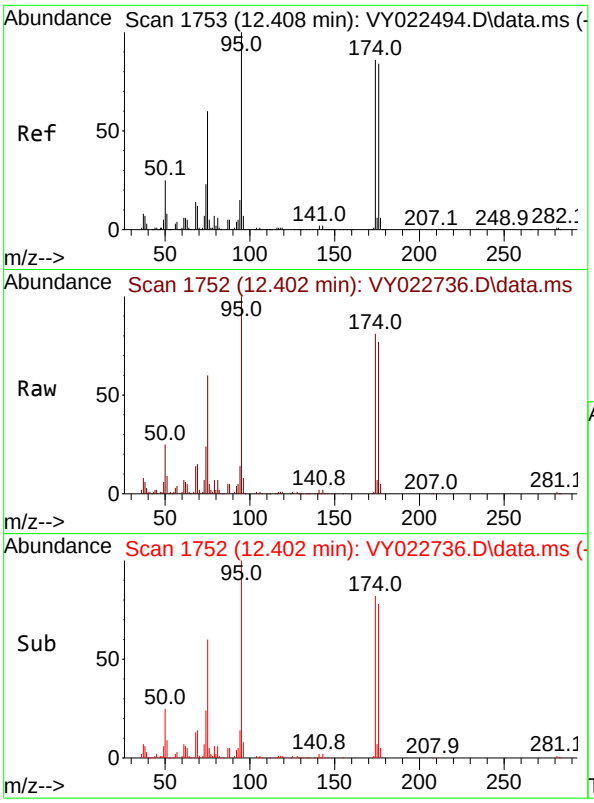


#59
2-Hexanone
Concen: 2.599 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. -0.037 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 43 Resp: 1319

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	81.8#



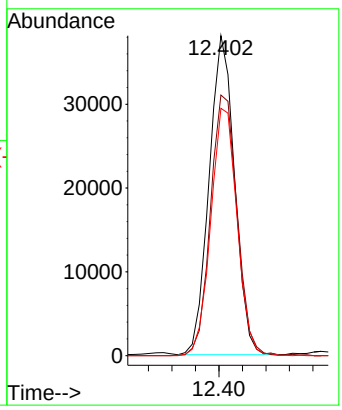


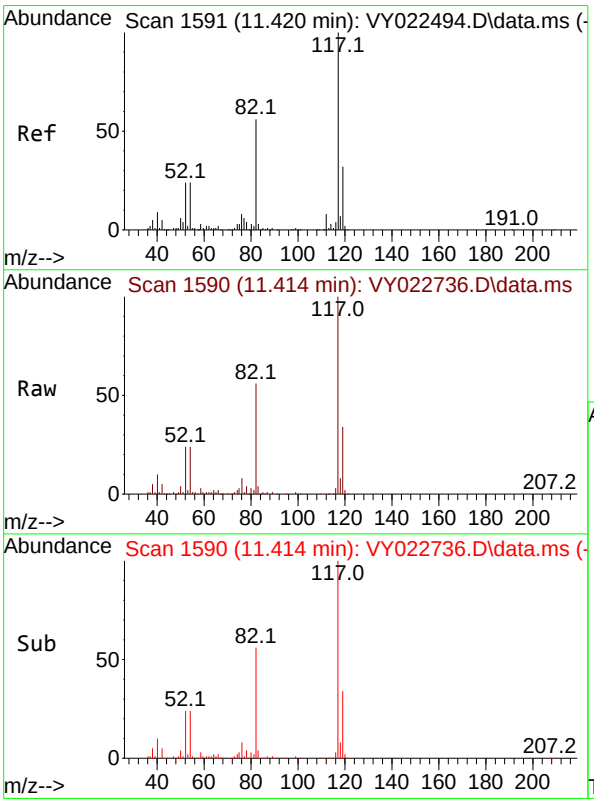
#62
4-Bromofluorobenzene
Concen: 48.930 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion: 95 Resp: 57356

Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	170.0
176	80.2	0.0	166.2

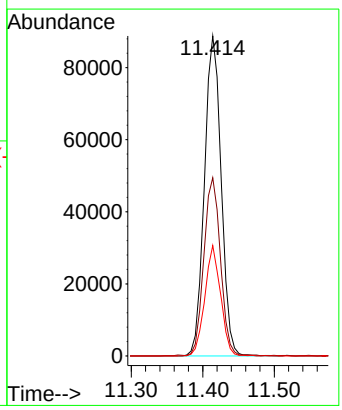


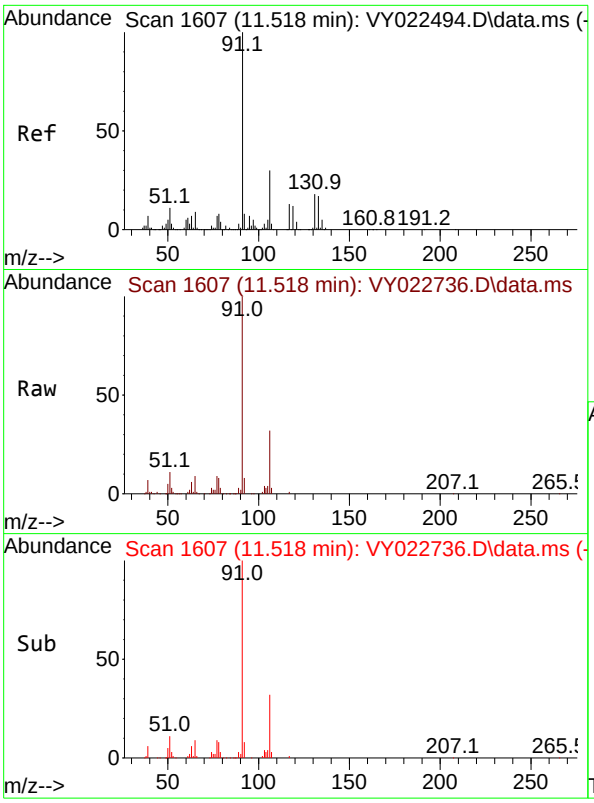


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion:117 Resp: 144569

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	66.8
119	34.5	25.4	38.0



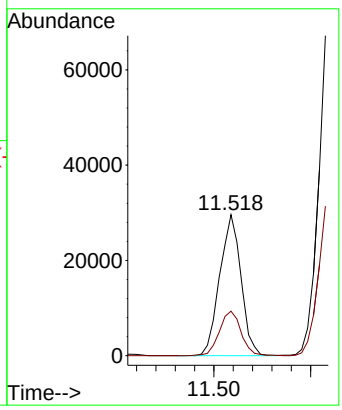


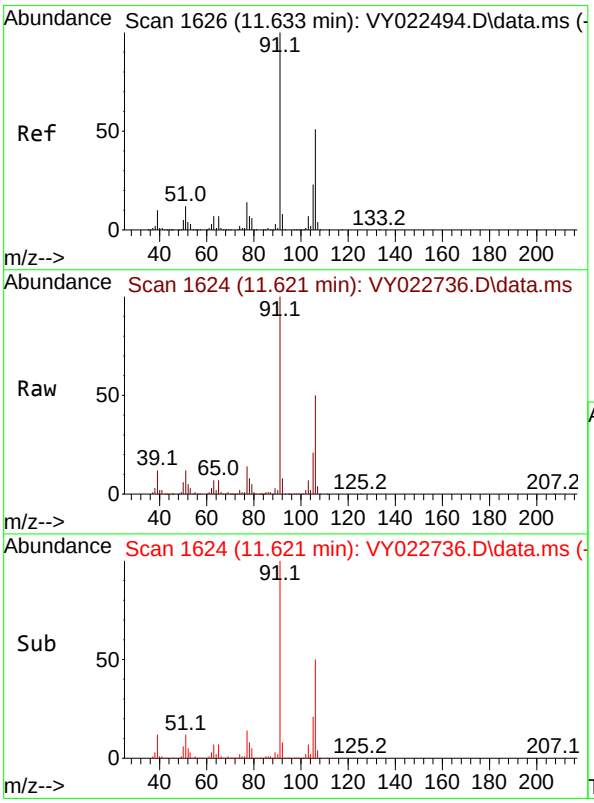
#67
Ethyl Benzene
Concen: 7.610 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion: 91 Resp: 45155

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.4

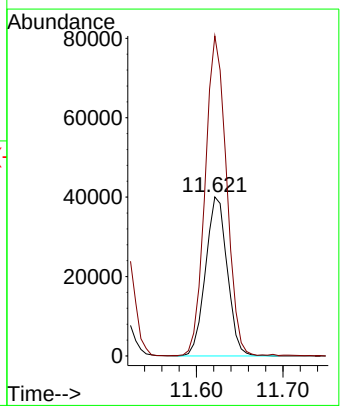


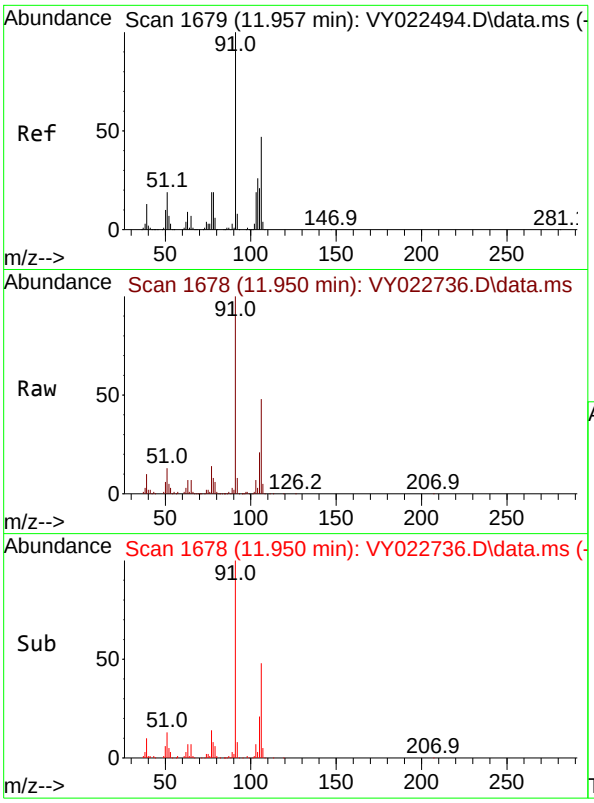


#68
m/p-Xylenes
Concen: 30.961 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion:106 Resp: 69644

Ion	Ratio	Lower	Upper
106	100		
91	198.0	159.4	239.0



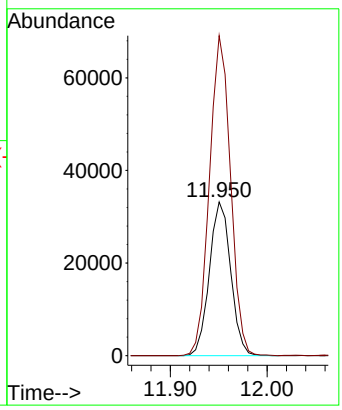


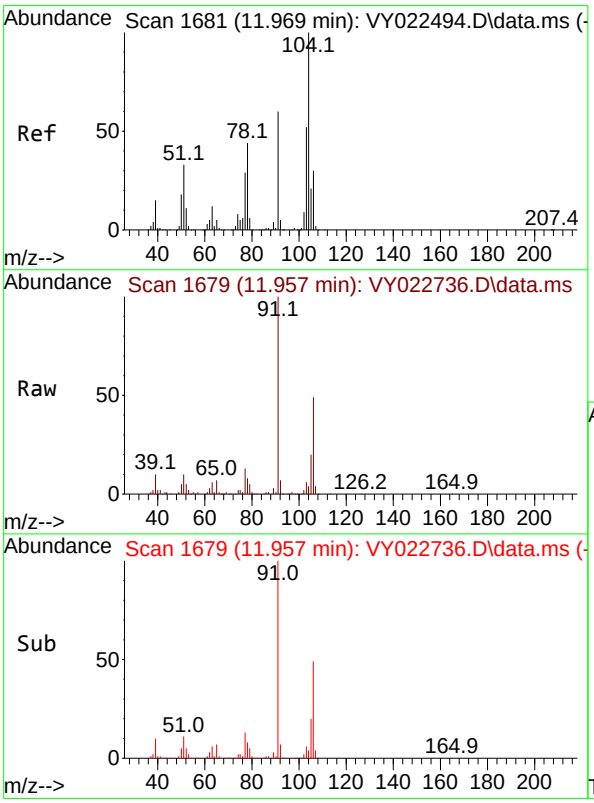
#69
o-Xylene
Concen: 24.090 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:106 Resp: 50806

Ion	Ratio	Lower	Upper
106	100		
91	205.8	105.8	317.3

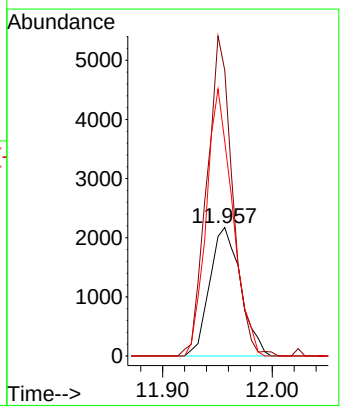


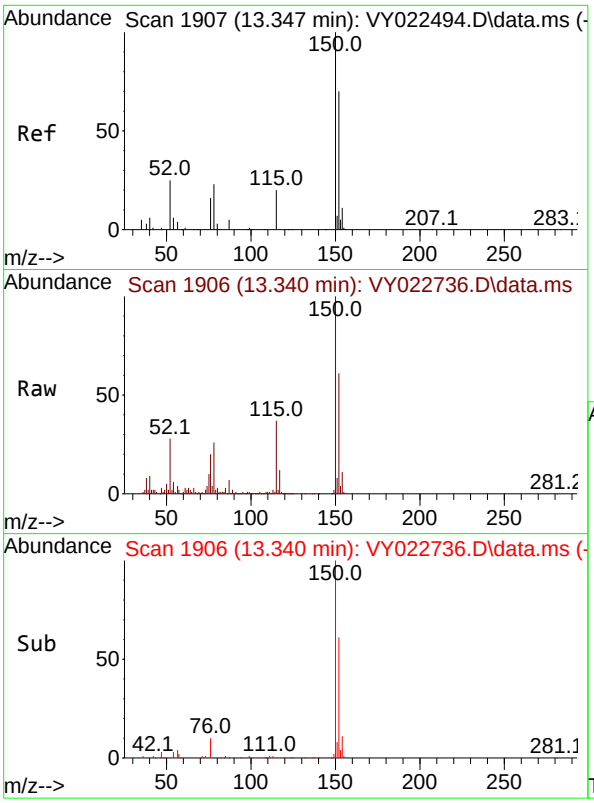


#70
Styrene
Concen: 1.224 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. -0.012 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion:104 Resp: 4267

Ion	Ratio	Lower	Upper
104	100		
78	206.0	39.5	59.3#
103	176.8	44.1	66.1#



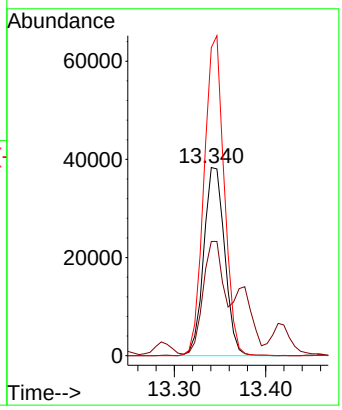


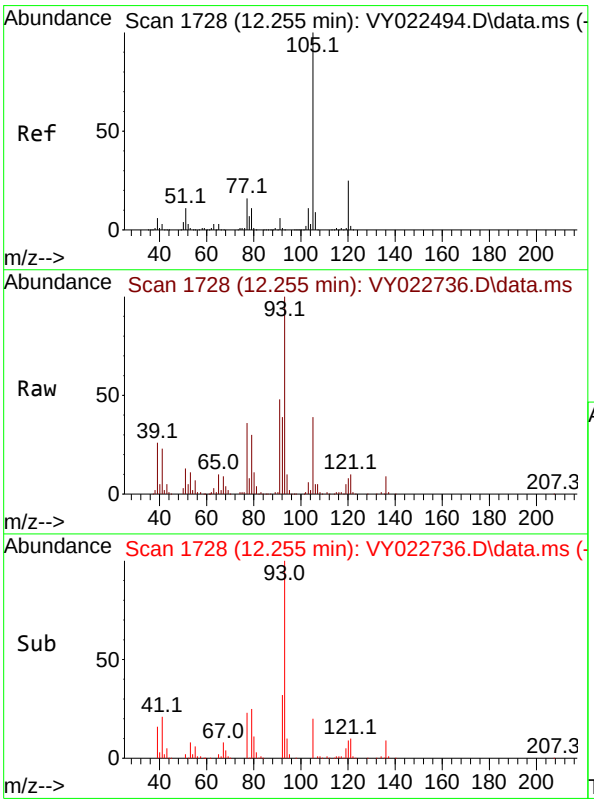
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:152 Resp: 60918

Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.9	86.7
150	163.2	0.0	349.6

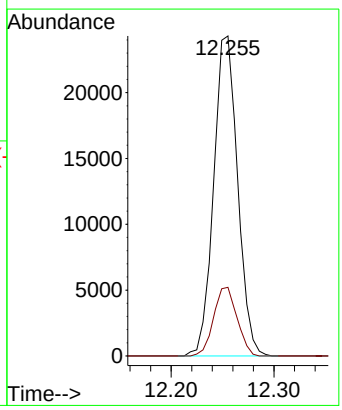


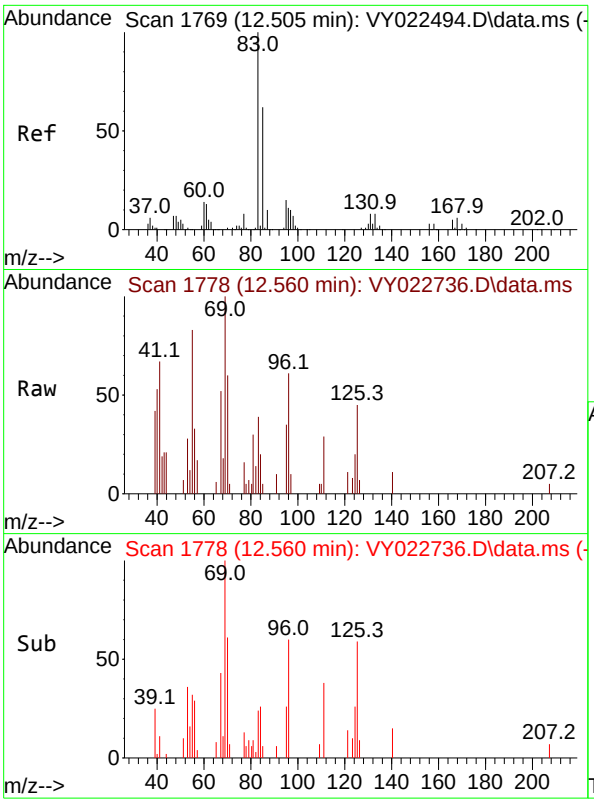


#73
Isopropylbenzene
Concen: 7.864 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion:105 Resp: 39333

Ion	Ratio	Lower	Upper
105	100		
120	20.9	13.0	38.9



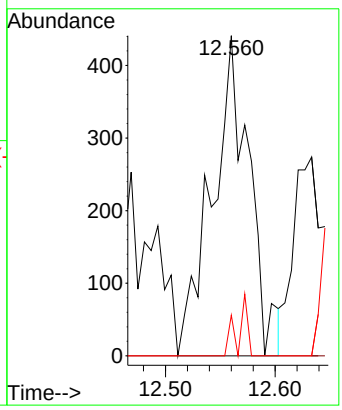


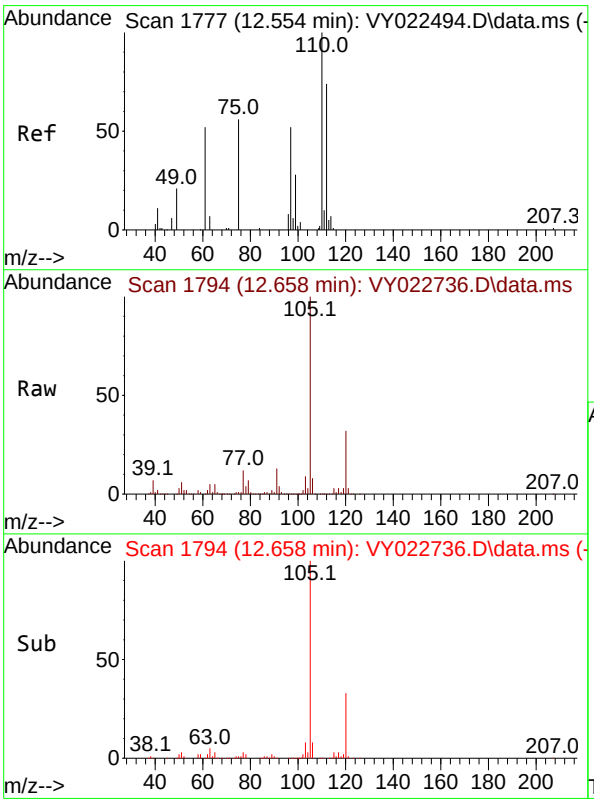
#75
1,1,2,2-Tetrachloroethane
Concen: 1.265 ug/l
RT: 12.560 min Scan# 1
Delta R.T. 0.055 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion: 83 Resp: 1038

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	0.0	32.6	97.8#

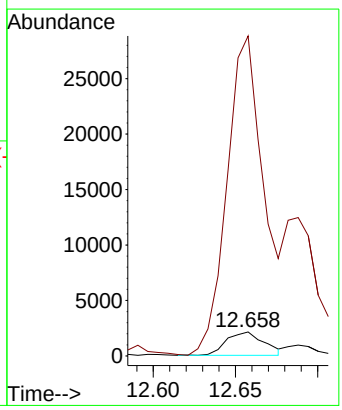


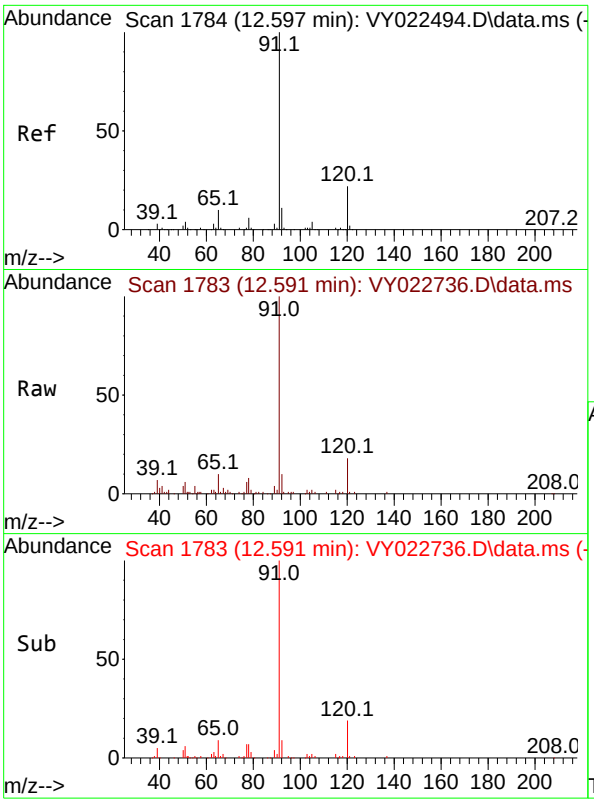


#76
1,2,3-Trichloropropane
Concen: 4.798 ug/l
RT: 12.658 min Scan# 1794
Delta R.T. 0.104 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 75 Resp: 3344

Ion	Ratio	Lower	Upper
75	100		
77	1339.6	0.0	0.0#



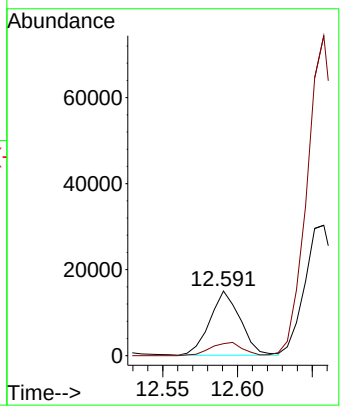


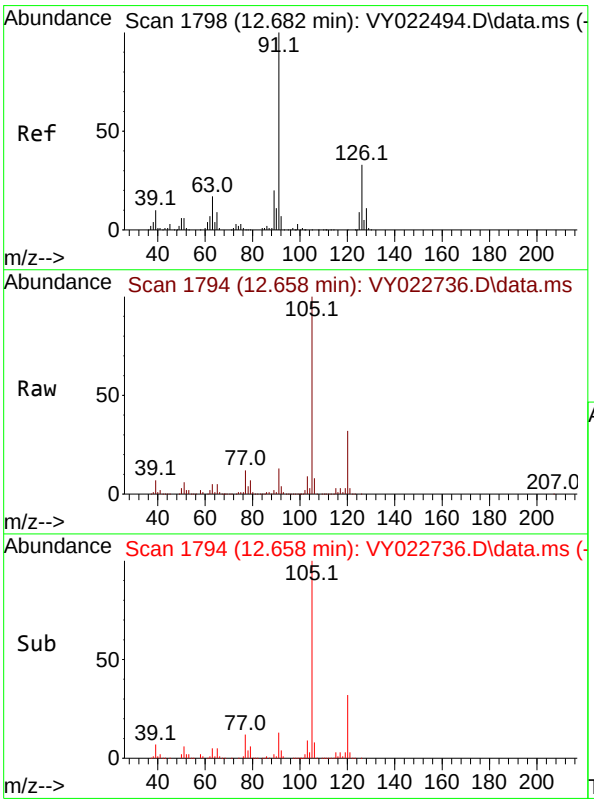
#78
n-propylbenzene
Concen: 3.463 ug/l
RT: 12.591 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion: 91 Resp: 21155

Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.8	32.4#

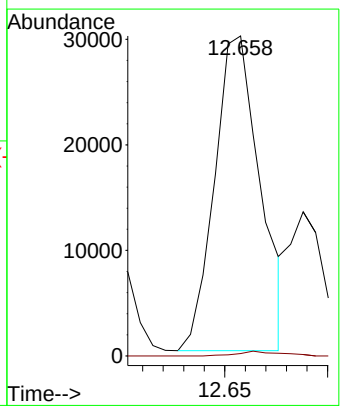


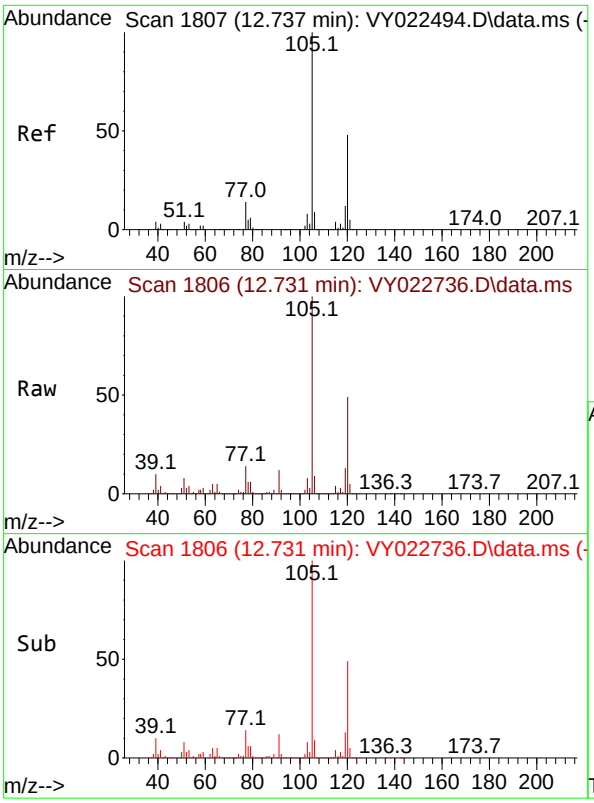


#79
2-Chlorotoluene
Concen: 14.232 ug/l
RT: 12.658 min Scan# 1794
Delta R.T. -0.024 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 91 Resp: 46079

Ion	Ratio	Lower	Upper
91	100		
126	1.4	17.0	51.0#



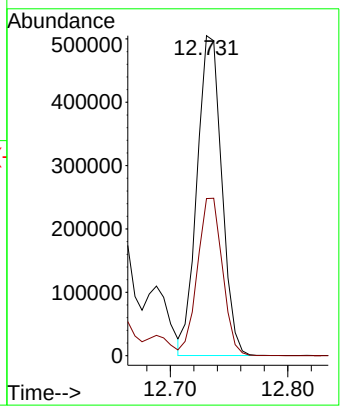


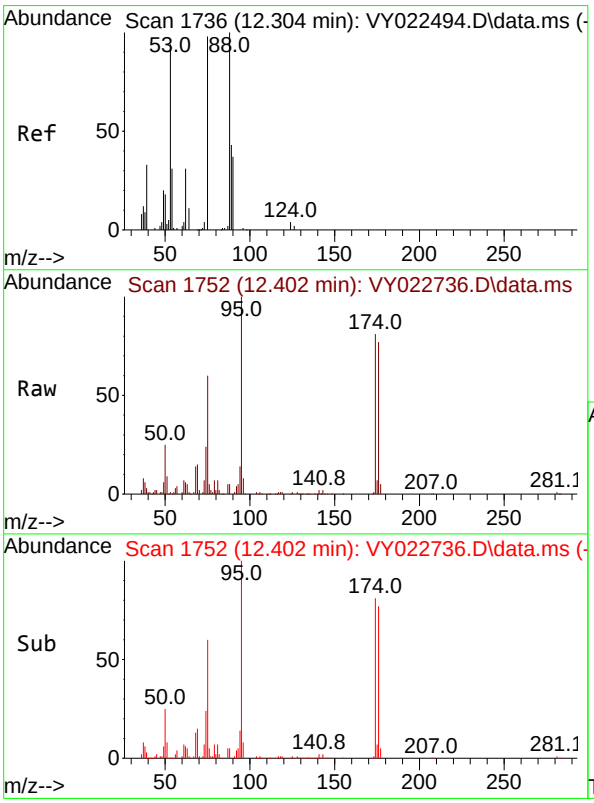
#80
1,3,5-Trimethylbenzene
Concen: 187.890 ug/l
RT: 12.731 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:105 Resp: 737753

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.1	72.4

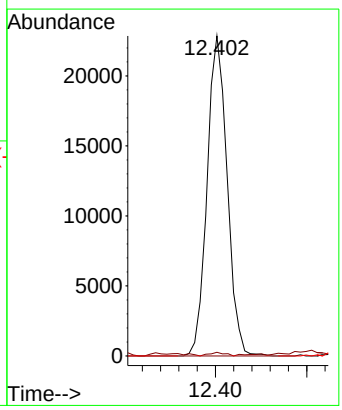


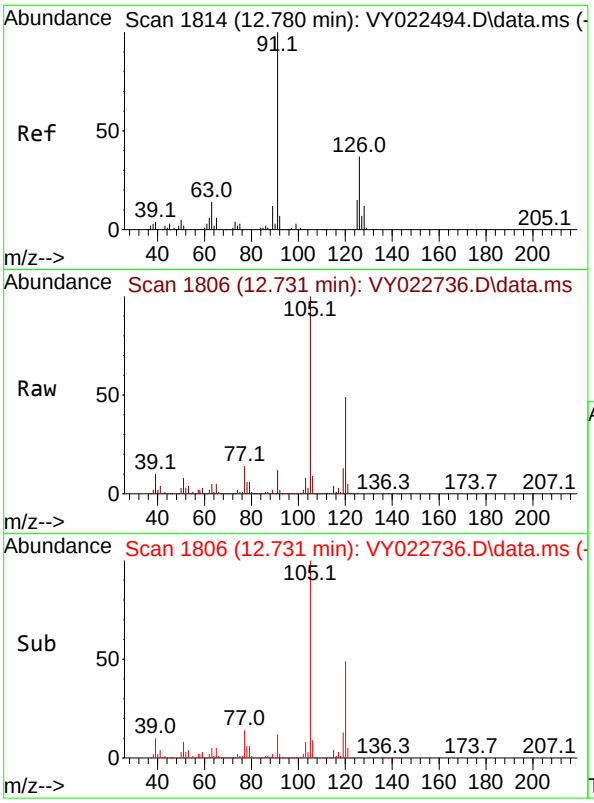


#81
trans-1,4-Dichloro-2-butene
Concen: 120.524 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 75 Resp: 34782

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	0.0	35.7	53.5#



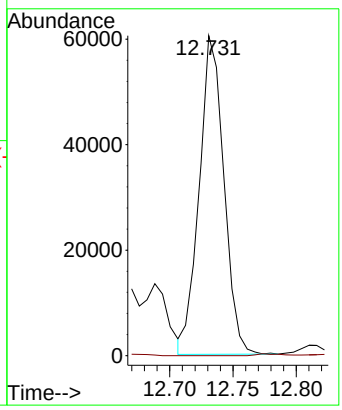


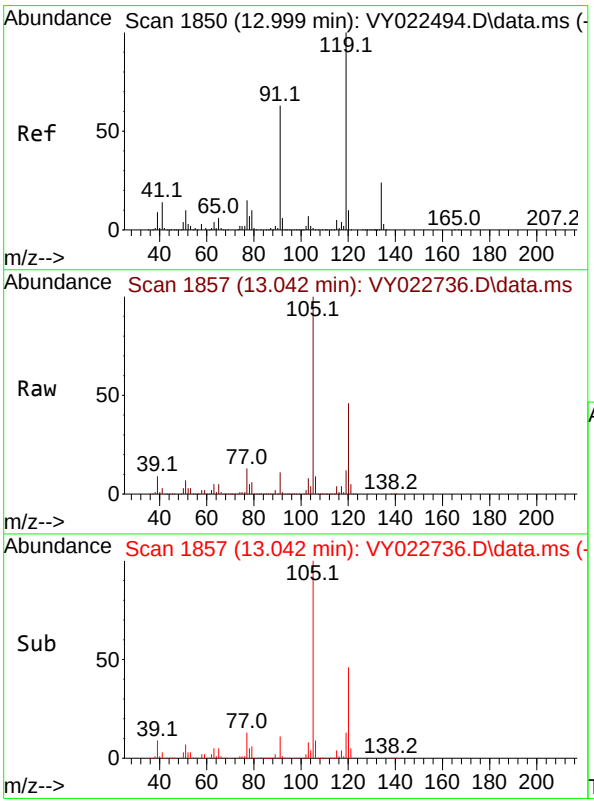
#82
4-Chlorotoluene
Concen: 24.534 ug/l
RT: 12.731 min Scan# 1
Delta R.T. -0.049 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion: 91 Resp: 81942

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.0	50.9#

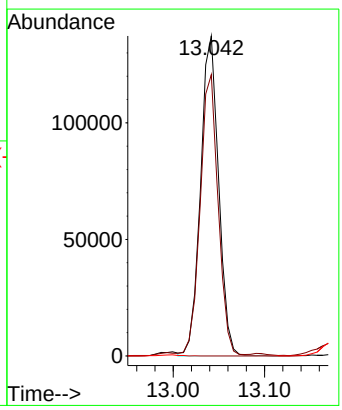


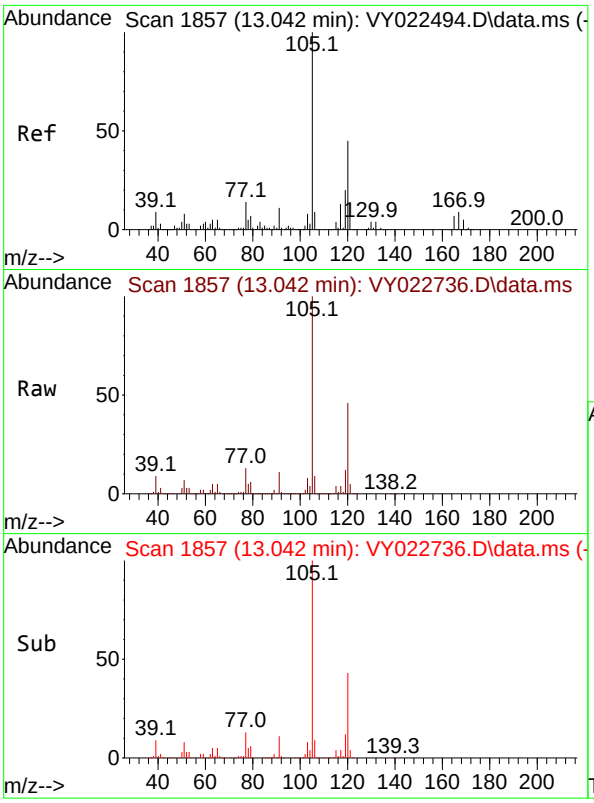


#83
tert-Butylbenzene
Concen: 53.457 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.043 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion:119 Resp: 188387

Ion	Ratio	Lower	Upper
119	100		
91	86.4	32.1	96.3
134	0.0	13.0	38.9#



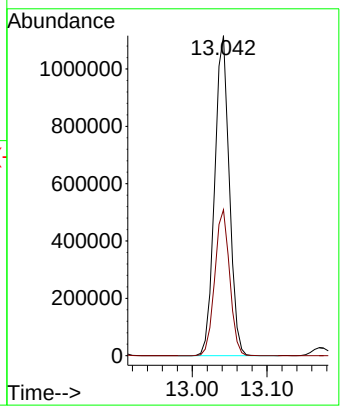


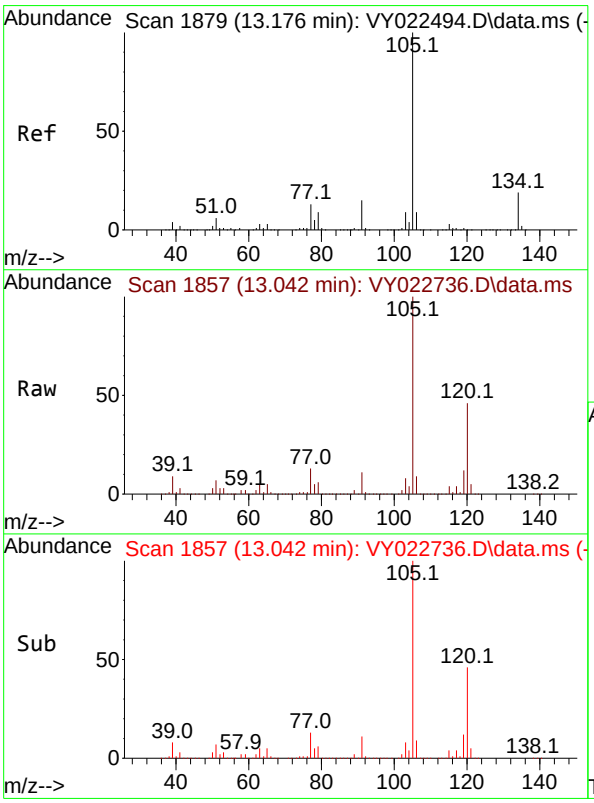
#84
1,2,4-Trimethylbenzene
Concen: 386.677 ug/l
RT: 13.042 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:105 Resp: 1518547

Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.7	68.1

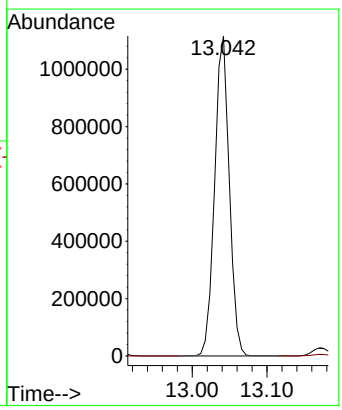


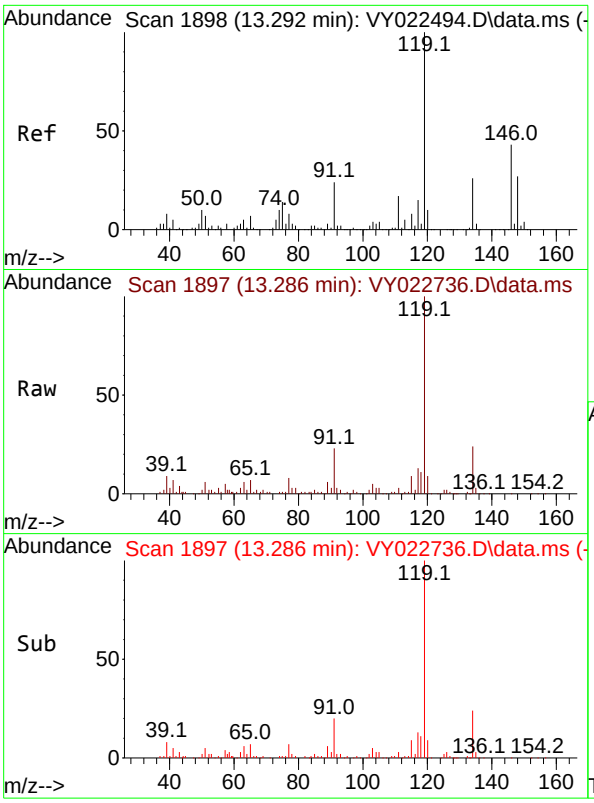


#85
sec-Butylbenzene
Concen: 281.352 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.134 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion:105 Resp: 1518547

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.7	28.9#



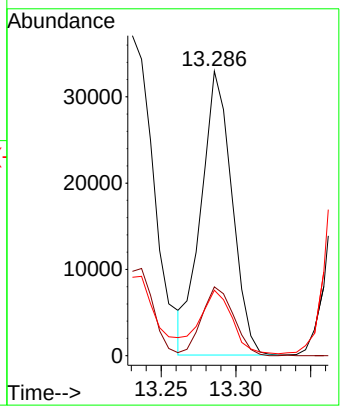


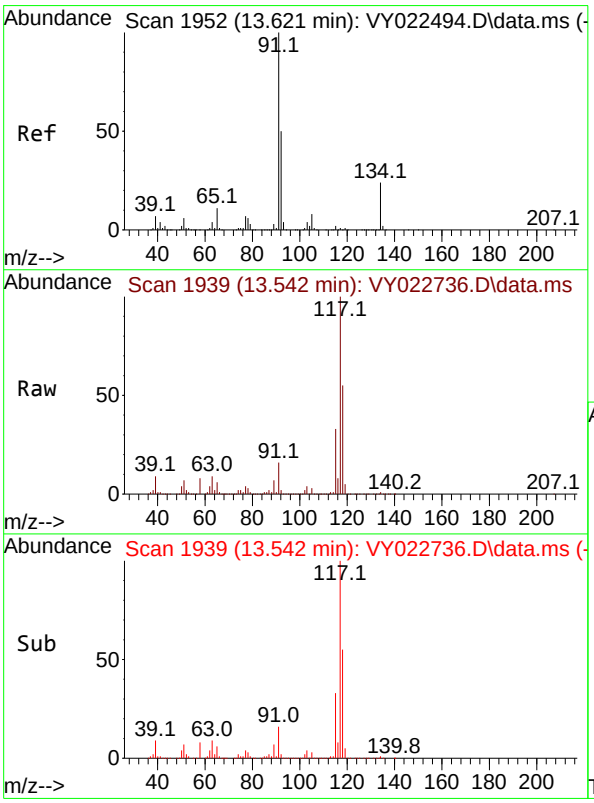
#86
p-Isopropyltoluene
Concen: 10.653 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:119 Resp: 47393

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.1	39.1
91	23.5	11.6	34.8

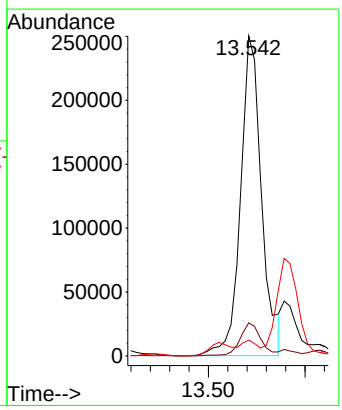


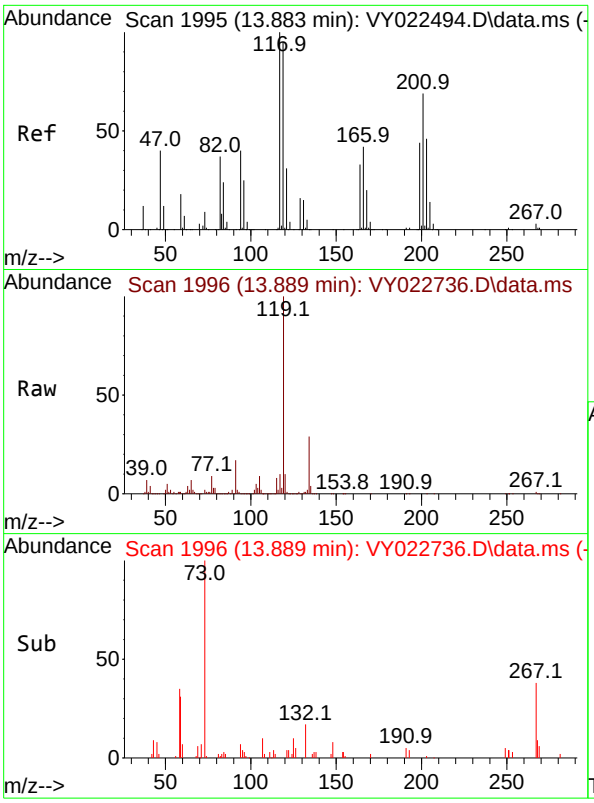


#89
n-Butylbenzene
Concen: 89.386 ug/l
RT: 13.542 min Scan# 1939
Delta R.T. -0.079 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 91 Resp: 377293

Ion	Ratio	Lower	Upper
91	100		
92	10.5	25.9	77.8#
134	3.7	12.0	36.1#



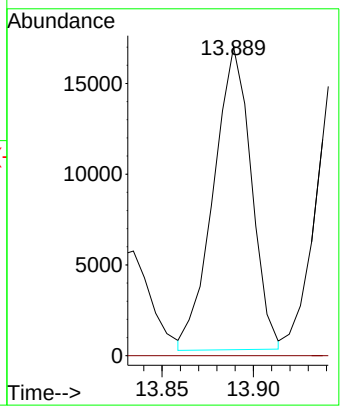


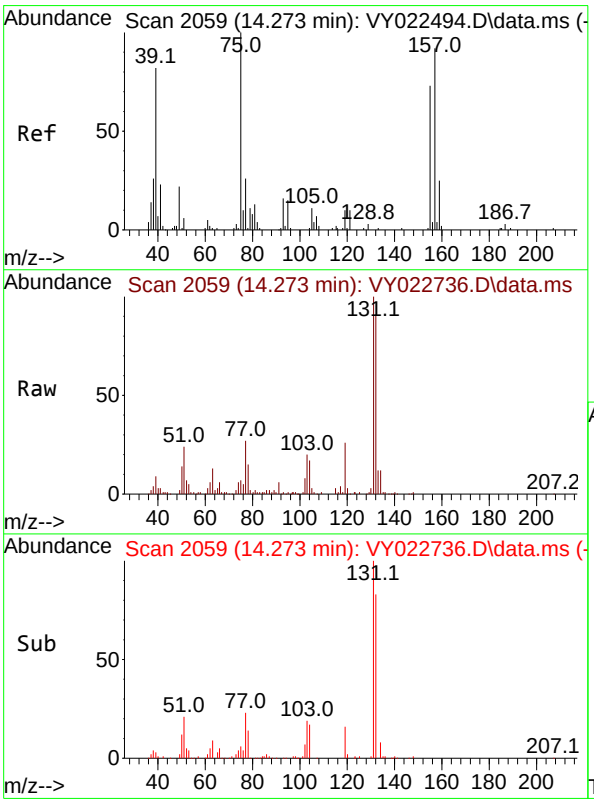
#90
Hexachloroethane
Concen: 27.755 ug/l
RT: 13.889 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:117 Resp: 24039

Ion	Ratio	Lower	Upper
117	100		
201	0.0	34.0	102.0#

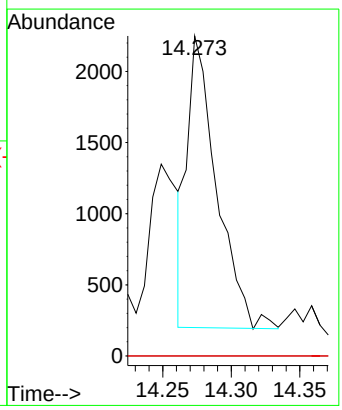


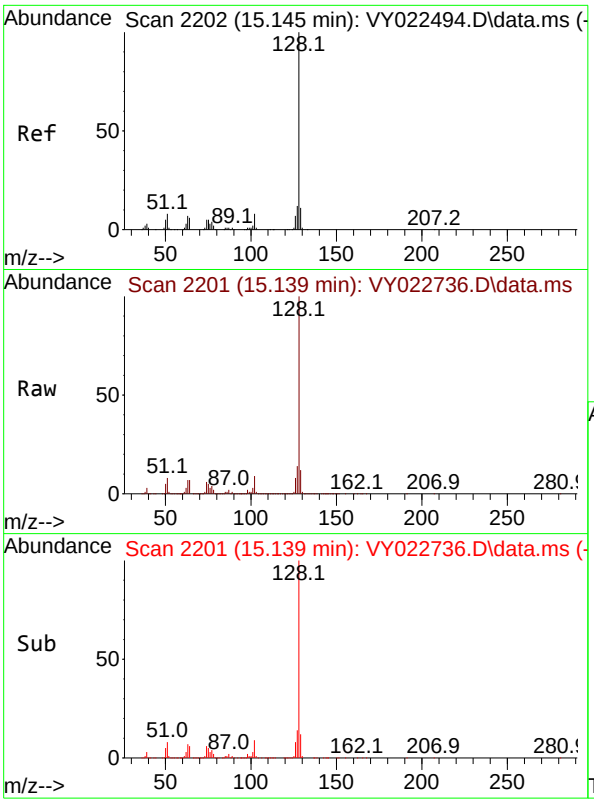


#92
1,2-Dibromo-3-Chloropropane
Concen: 25.563 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Tgt Ion: 75 Resp: 3055

Ion	Ratio	Lower	Upper
75	100		
155	0.0	39.9	119.6#
157	0.0	54.0	162.0#





#95
Naphthalene
Concen: 4116.075 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022736.D
Acq: 18 Jun 2025 13:29

Instrument :
MSVOA_Y
ClientSampleId :
LINDEN-SAA

Tgt Ion:128 Resp: 7821243

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	11.6	8.9	13.3