Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092925\
Data File : VN087983.D
Acq On : 29 Sep 2025 15:29
Operator : JC\MD
Sample : Q3150-01
Misc : 4.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Quant Time: Sep 30 03:56:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.200	168	171791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	362358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	335060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	152669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	160420	55.487	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.980%			
35) Dibromofluoromethane	8.147	113	133963	50.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.840%			
50) Toluene-d8	10.547	98	457796	49.481	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.829	95	137527	41.586	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.180%			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	532	0.261	ug/l #	41
5) Bromomethane	2.977	94	461	0.358	ug/l #	2
6) Chloroethane	3.059	64	1315	0.973	ug/l #	83
10) Methyl Iodide	4.565	142	5184	3.221	ug/l	95
11) Tert butyl alcohol	5.471	59	7672	18.424	ug/l #	71
13) Acrolein	4.177	56	371	0.694	ug/l #	61
15) Acrylonitrile	5.694	53	265	0.203	ug/l #	17
16) Acetone	4.412	43	801	0.673	ug/l #	45
18) Methyl Acetate	5.030	43	2570	0.863	ug/l #	72
20) Methylene Chloride	5.242	84	4445	1.846	ug/l #	56
25) 2-Butanone	7.483	43	782	0.430	ug/l #	48
29) Tetrahydrofuran	7.836	42	435	0.374	ug/l #	56
31) Cyclohexane	8.194	56	6280	1.937	ug/l #	25
36) 1,1-Dichloropropene	8.200	75	15041	4.754	ug/l #	54
38) Carbon Tetrachloride	8.200	117	19631	5.408	ug/l #	22
39) Methylcyclohexane	9.582	83	1275	0.365	ug/l	89
52) Toluene	10.606	92	102242	15.555	ug/l	100
59) 2-Hexanone	11.135	43	724	0.268	ug/l #	25
67) Ethyl Benzene	11.947	91	4854	0.408	ug/l	89
68) m/p-Xylenes	12.047	106	7496	1.647	ug/l	94
69) o-Xylene	12.388	106	2474	0.566	ug/l	94
76) 1,2,3-Trichloropropane	12.829	75	76709	25.489	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.153	105	1760	0.215	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.829	75	76709	70.780	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.465	105	2005	0.239	ug/l	91
89) n-Butylbenzene	14.041	91	2775	0.341	ug/l	96
90) Hexachloroethane	14.317	117	465	0.259	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.376	180	2365	0.846	ug/l #	26
94) Hexachlorobutadiene	15.476	225	914	0.888	ug/l	77
95) Naphthalene	15.629	128	6541	0.729	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.835	180	1498	0.551	ug/l #	12

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

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Sample : Q3150-01
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Mid Site Grid 5-7

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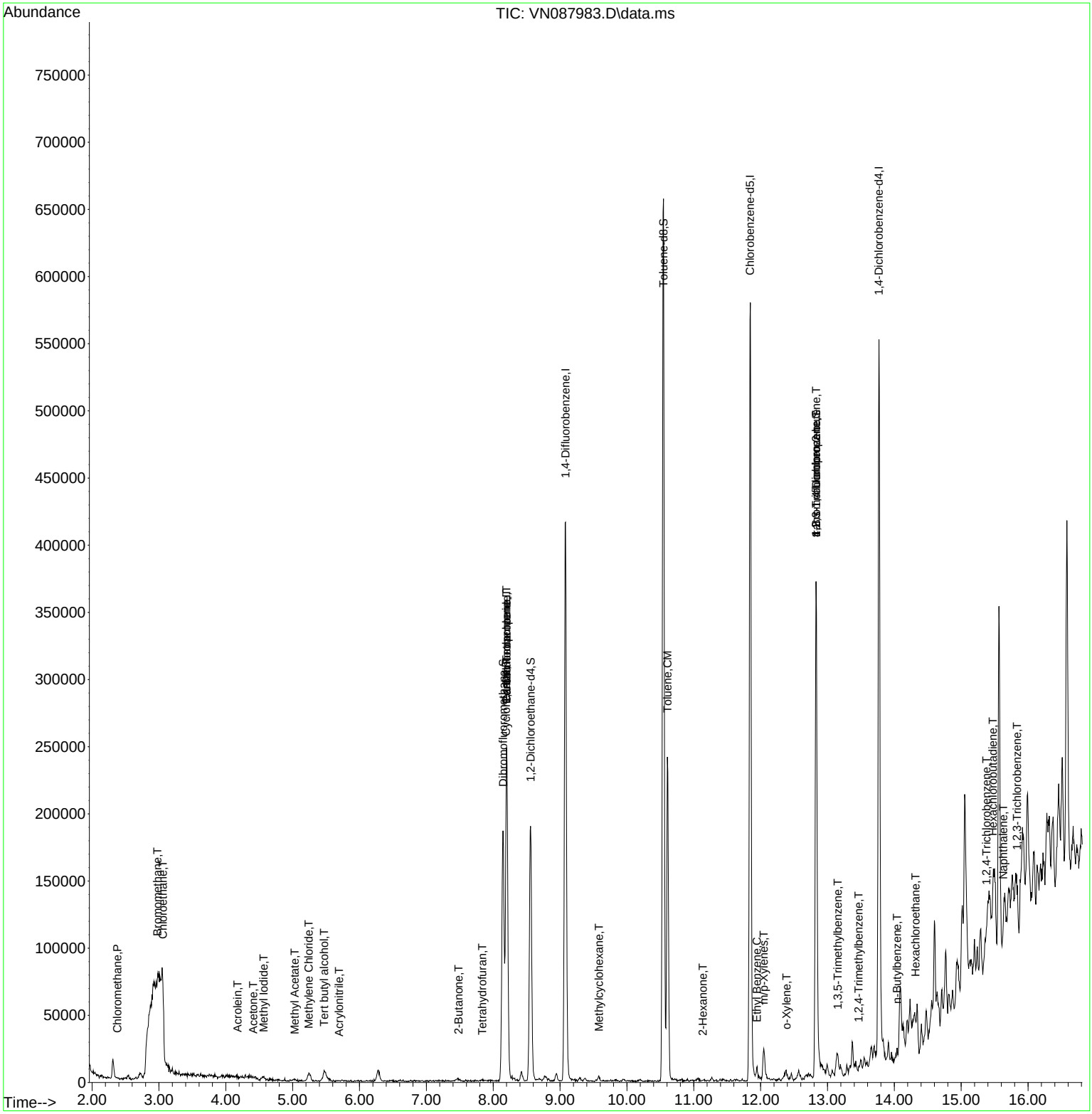
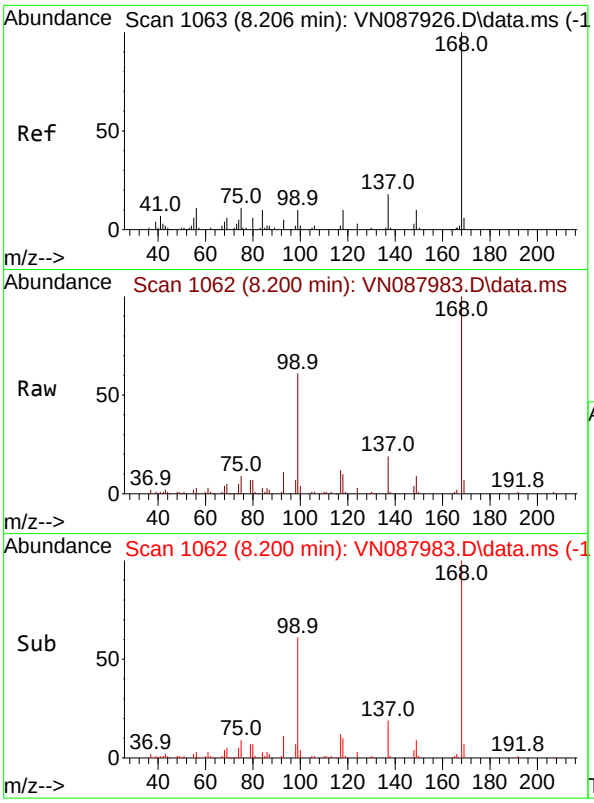
Response via : Initial Calibration



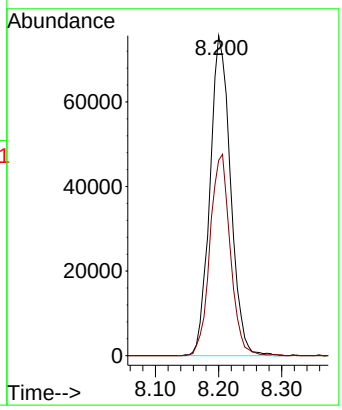


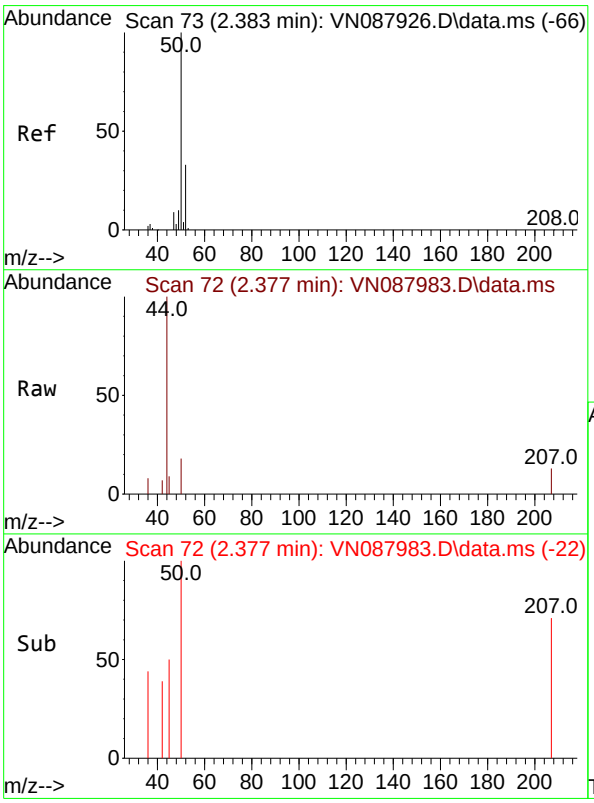
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:168 Resp: 171791

Ion	Ratio	Lower	Upper
168	100		
99	61.1	52.2	78.2

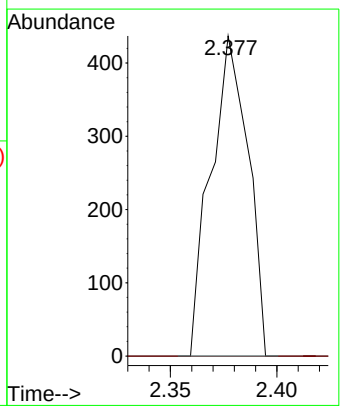


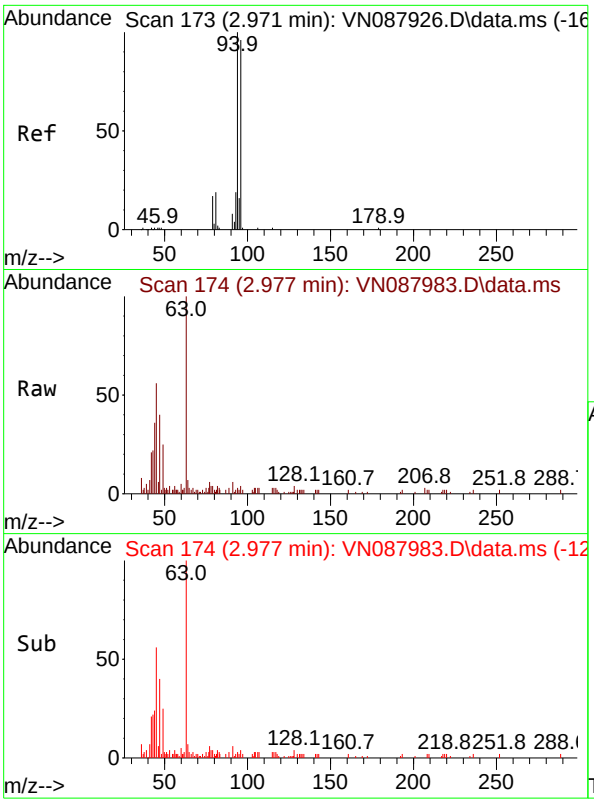


#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.377 min Scan# 72
Delta R.T. -0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 50 Resp: 532

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.6	40.0#



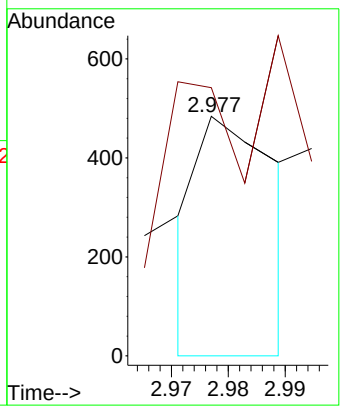


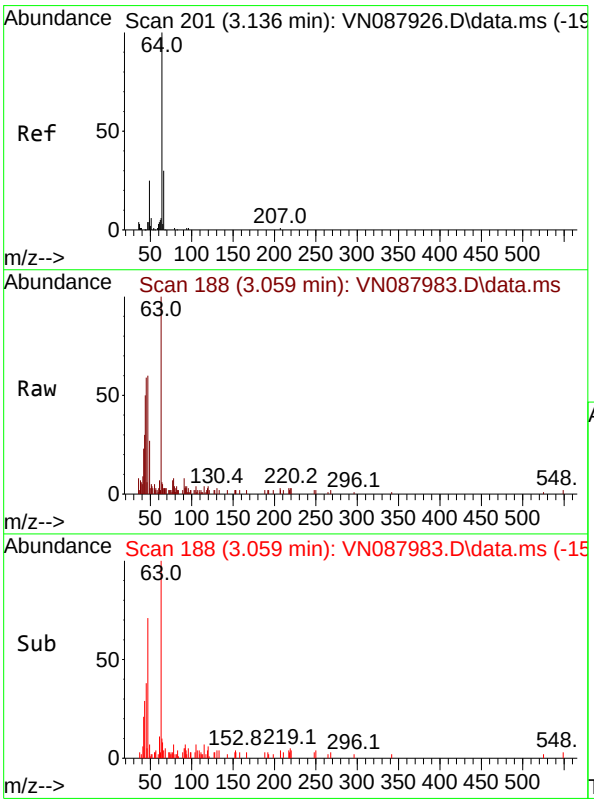
#5
Bromomethane
Concen: 0.358 ug/l
RT: 2.977 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion: 94 Resp: 461

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.8	115.2#

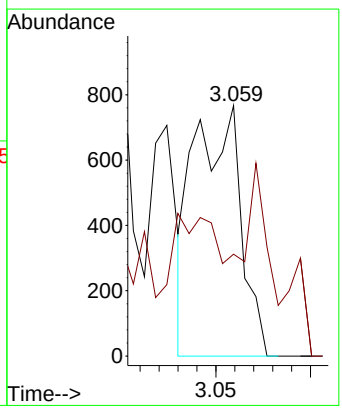


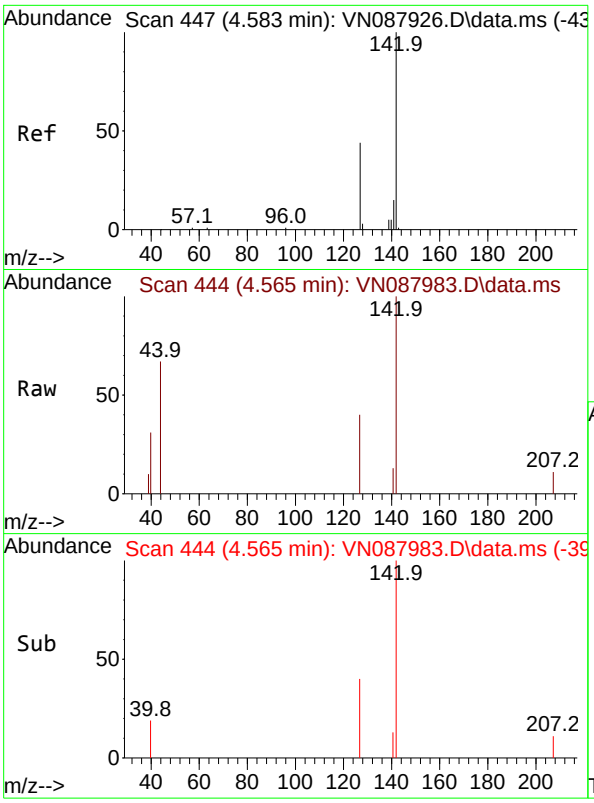


#6
Chloroethane
Concen: 0.973 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.076 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 64 Resp: 1315

Ion	Ratio	Lower	Upper
64	100		
66	20.5	23.8	35.8#



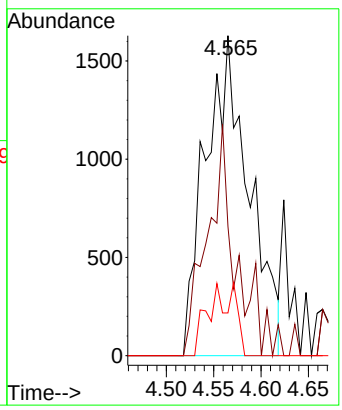


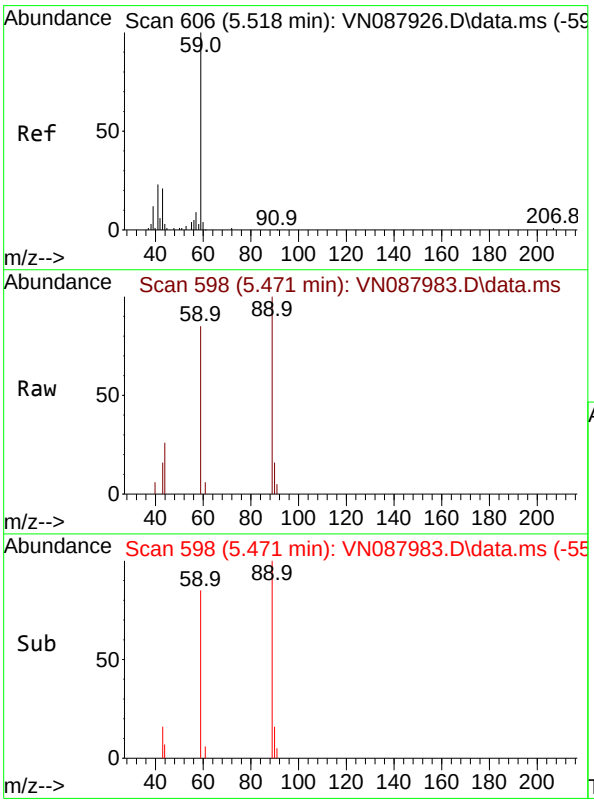
#10
Methyl Iodide
Concen: 3.221 ug/l
RT: 4.565 min Scan# 44
Delta R.T. -0.018 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:142 Resp: 5184

Ion	Ratio	Lower	Upper
142	100		
127	40.4	35.3	52.9
141	13.3	11.8	17.8

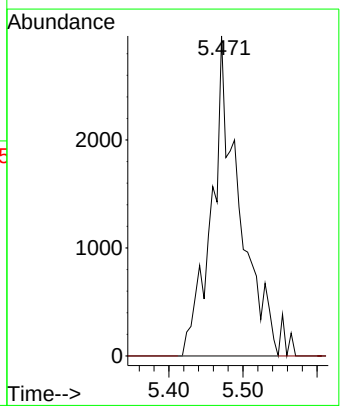


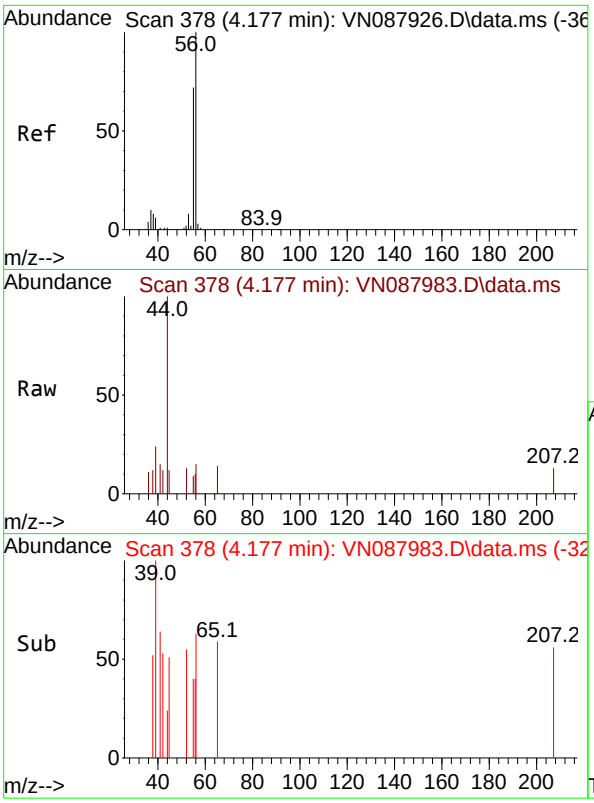


#11
Tert butyl alcohol
Concen: 18.424 ug/l
RT: 5.471 min Scan# 598
Delta R.T. -0.047 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 59 Resp: 7672

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#



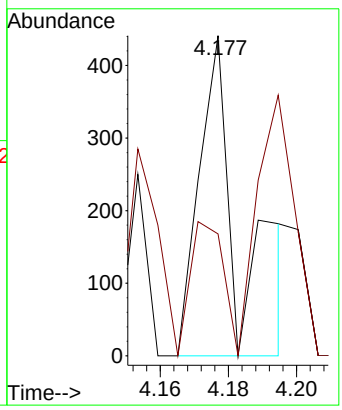


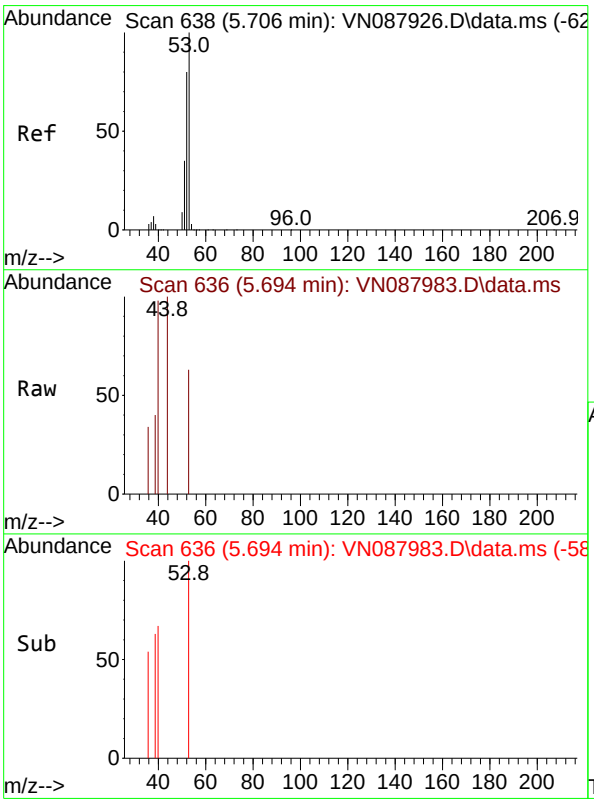
#13
Acrolein
Concen: 0.694 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion: 56 Resp: 371

Ion	Ratio	Lower	Upper
56	100		
55	107.0	59.3	88.9#

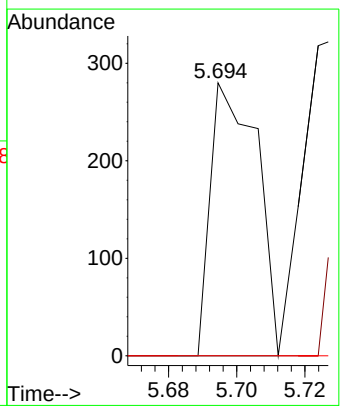


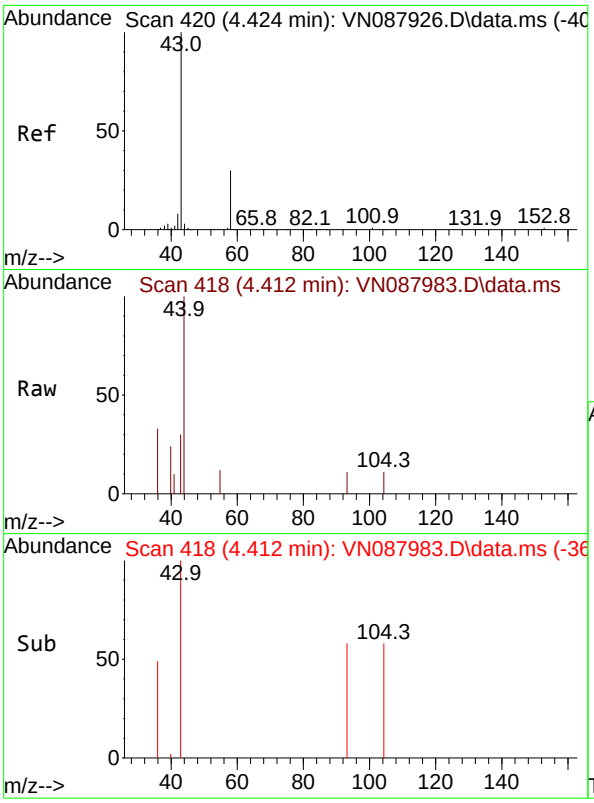


#15
Acrylonitrile
Concen: 0.203 ug/l
RT: 5.694 min Scan# 636
Delta R.T. -0.012 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 53 Resp: 265

Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.6	99.8#
51	0.0	29.0	43.4#



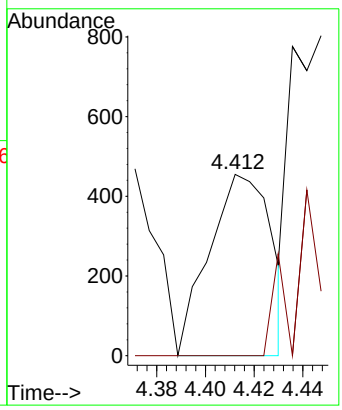


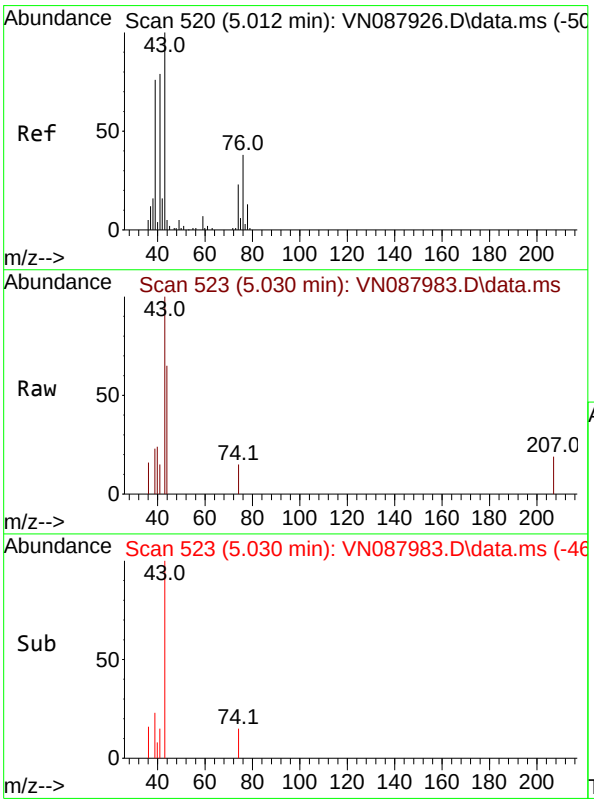
#16
Acetone
Concen: 0.673 ug/l
RT: 4.412 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion: 43 Resp: 801

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.1	36.1#

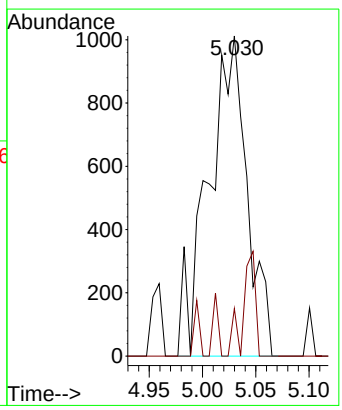


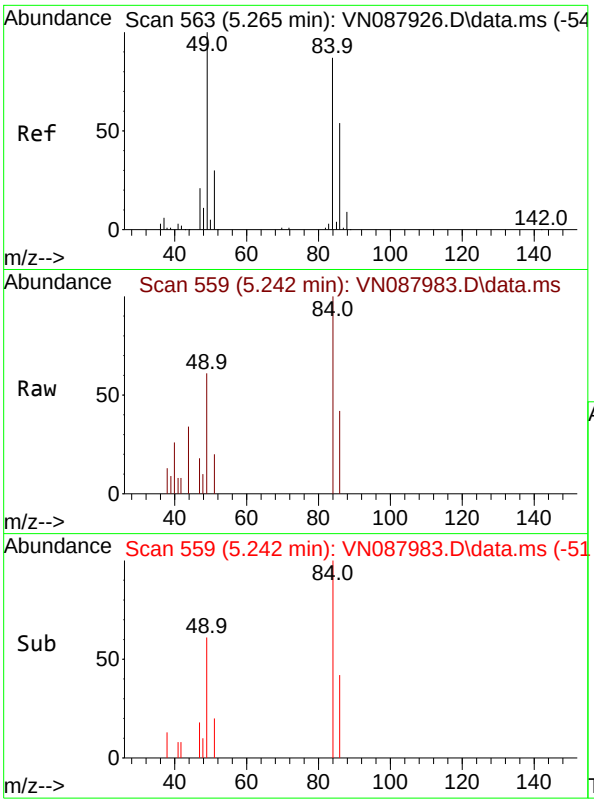


#18
Methyl Acetate
Concen: 0.863 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.018 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 43 Resp: 2570

Ion	Ratio	Lower	Upper
43	100		
74	10.5	19.7	29.5#



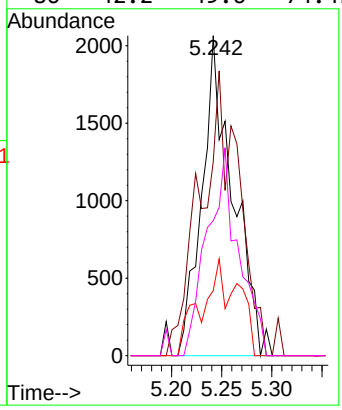


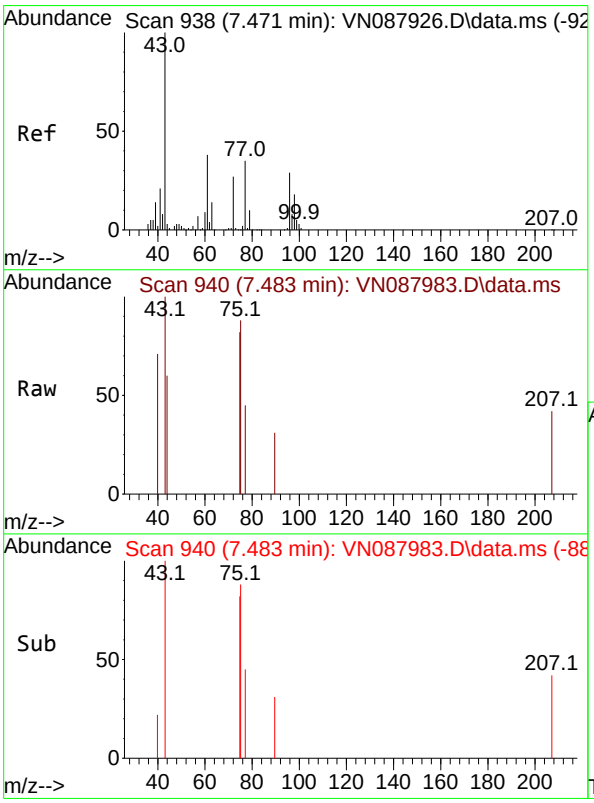
#20
Methylene Chloride
Concen: 1.846 ug/l
RT: 5.242 min Scan# 5
Delta R.T. -0.024 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion: 84 Resp: 4445

Ion	Ratio	Lower	Upper
84	100		
49	51.1	92.1	138.1#
51	20.3	27.7	41.5#
86	42.2	49.6	74.4#

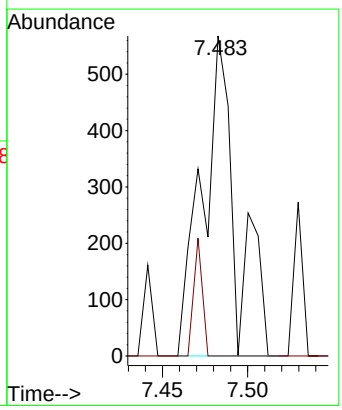


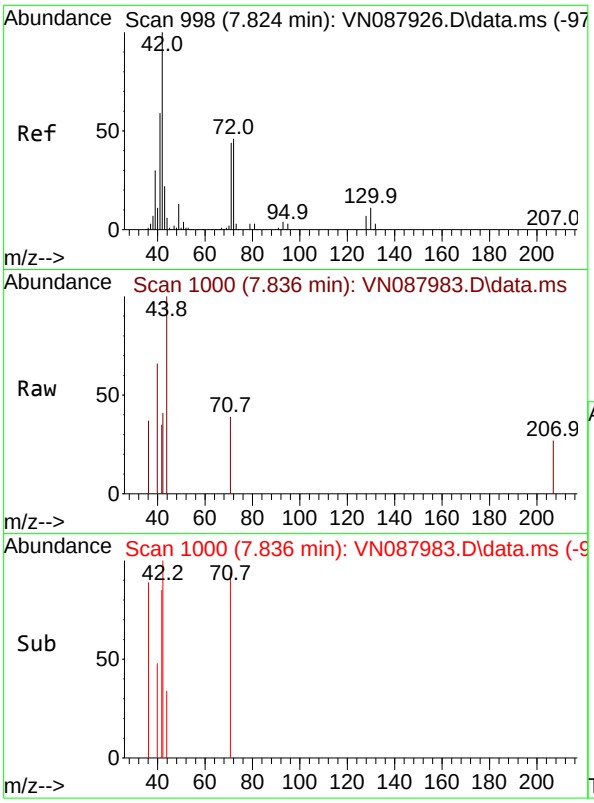


#25
2-Butanone
Concen: 0.430 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 43 Resp: 782

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.5	32.3#



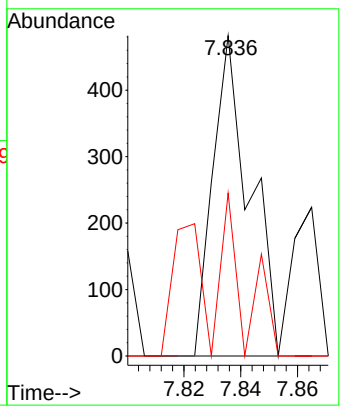


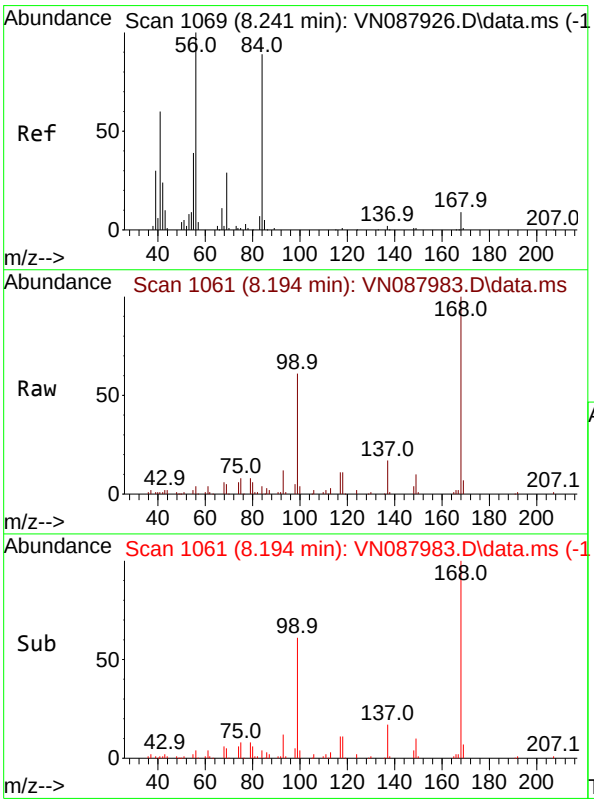
#29
Tetrahydrofuran
Concen: 0.374 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion: 42 Resp: 435

Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	32.2	33.8	50.8#

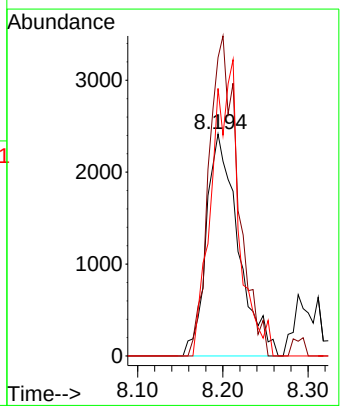


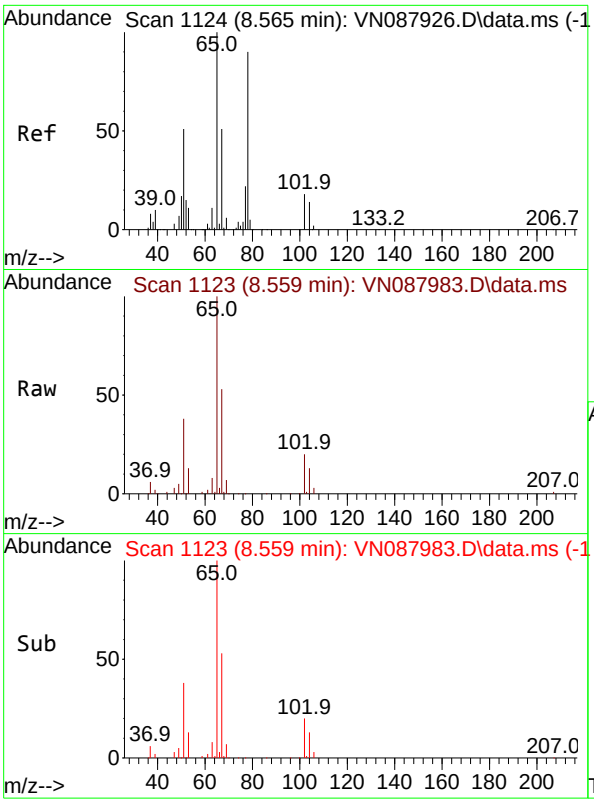


#31
Cyclohexane
Concen: 1.937 ug/l
RT: 8.194 min Scan# 1061
Delta R.T. -0.047 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 56 Resp: 6280

Ion	Ratio	Lower	Upper
56	100		
69	134.5	23.4	35.0#
84	120.5	70.8	106.2#



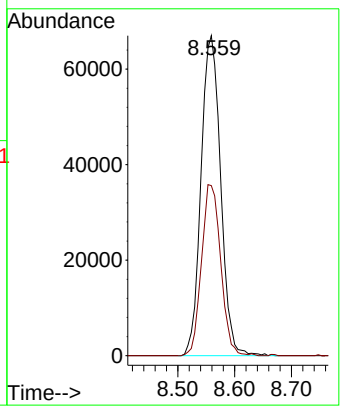


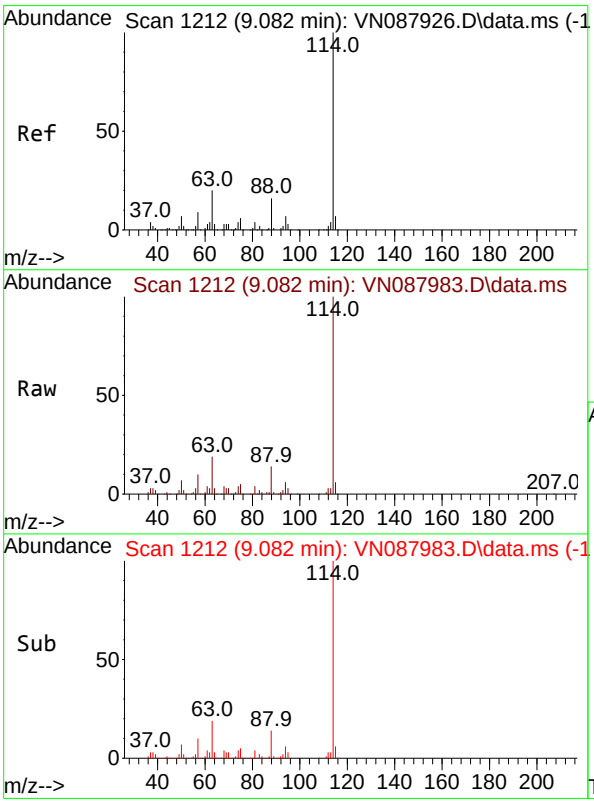
#33
1,2-Dichloroethane-d4
Concen: 55.487 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion: 65 Resp: 160420

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.4

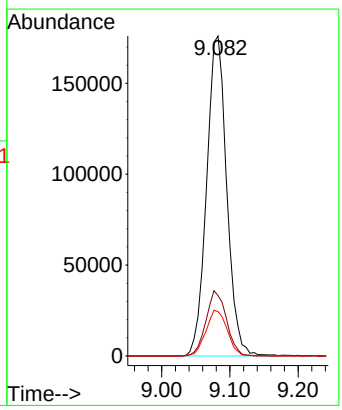


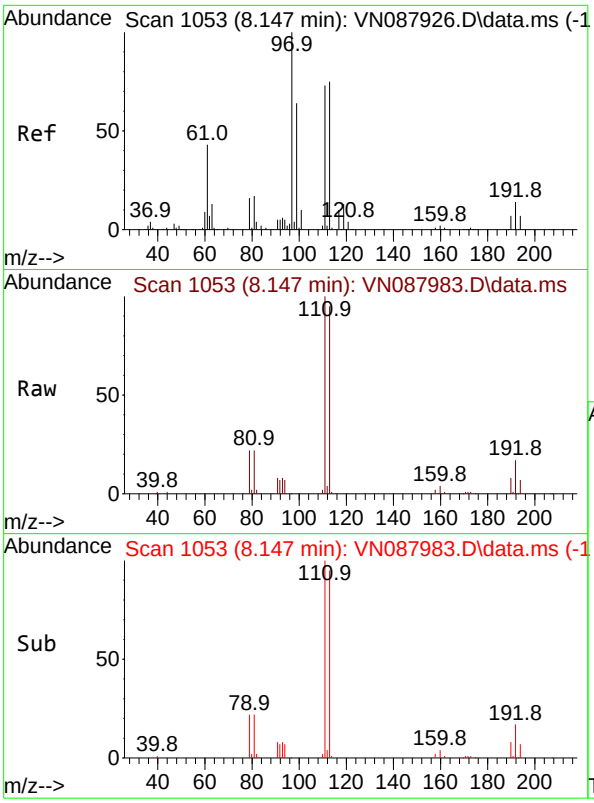


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion:114 Resp: 362358

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	40.0
88	13.8	0.0	31.8



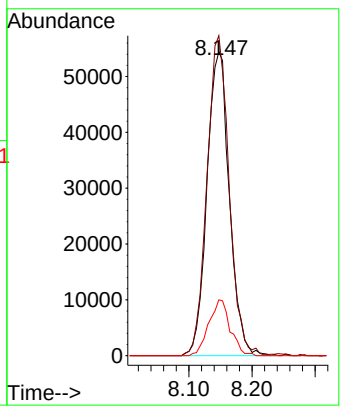


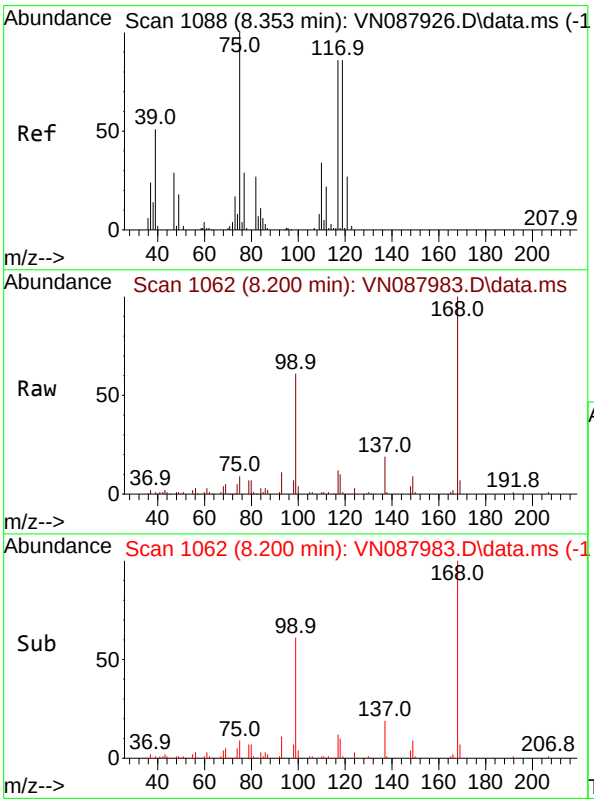
#35
Dibromofluoromethane
Concen: 50.919 ug/l
RT: 8.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:113 Resp: 133963

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.2
192	17.6	14.2	21.2

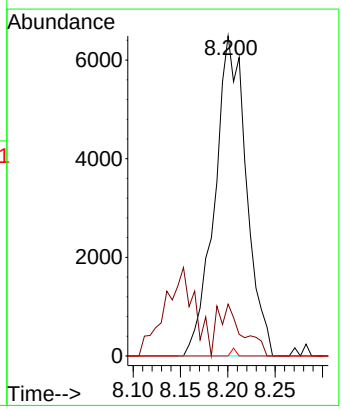


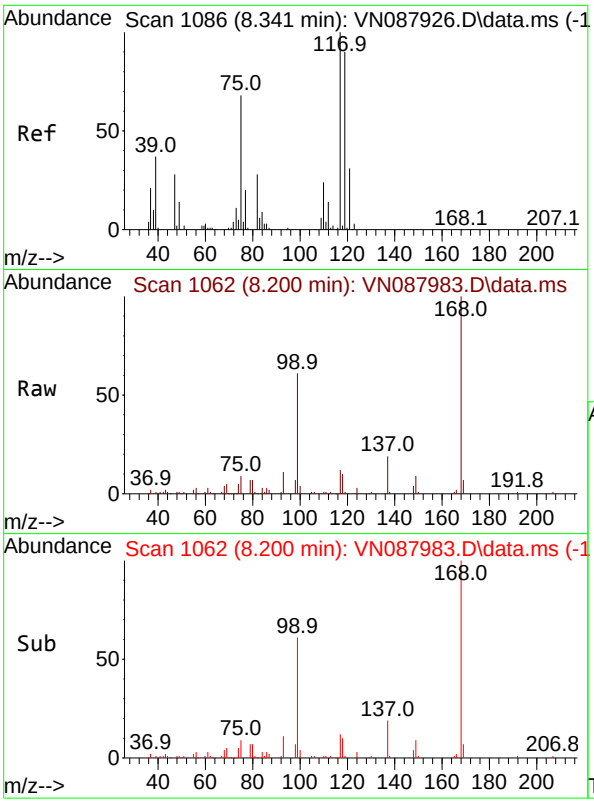


#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 75 Resp: 15041

Ion	Ratio	Lower	Upper
75	100		
110	12.6	17.1	51.3#
77	0.4	24.8	37.2#



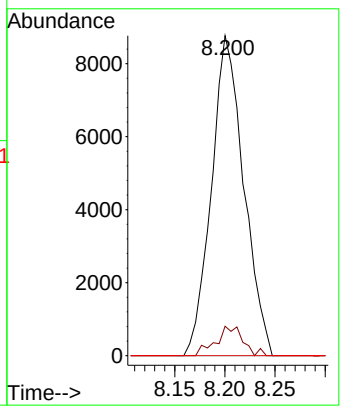


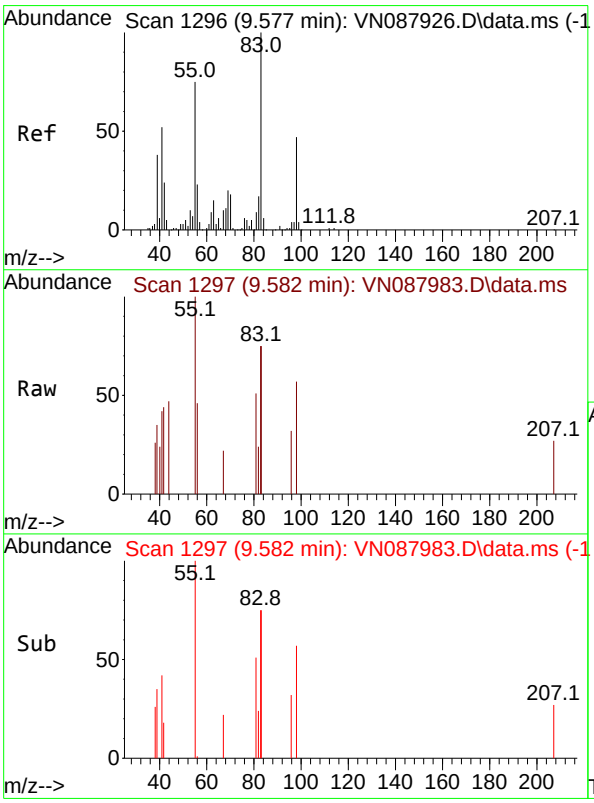
#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.141 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:117 Resp: 19631

Ion	Ratio	Lower	Upper
117	100		
119	9.2	72.1	108.1#
121	0.0	24.6	36.8#

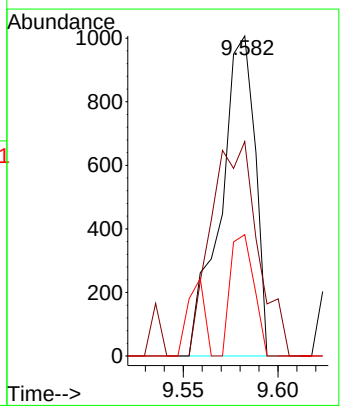


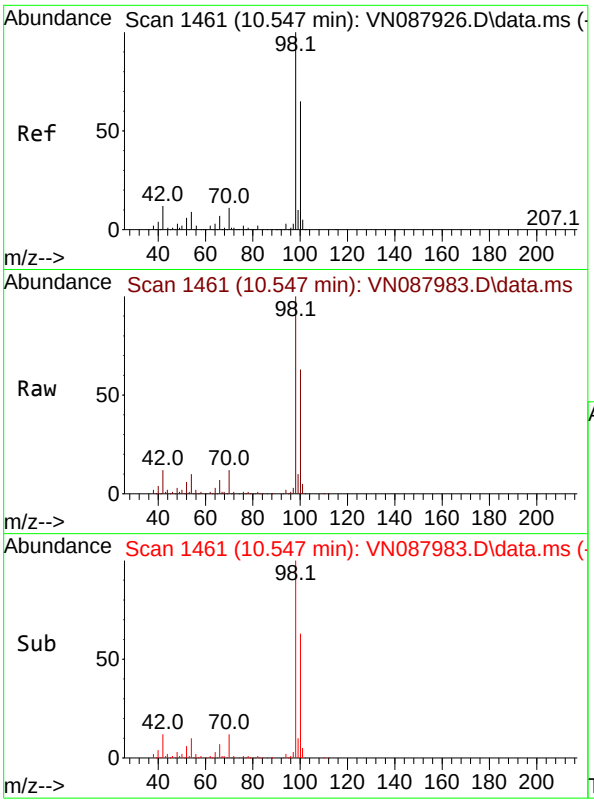


#39
Methylcyclohexane
Concen: 0.365 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 83 Resp: 1275

Ion	Ratio	Lower	Upper
83	100		
55	67.0	59.9	89.9
98	37.9	37.4	56.2



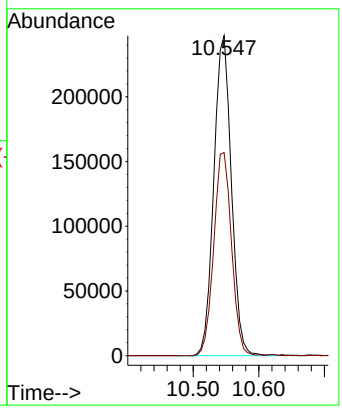


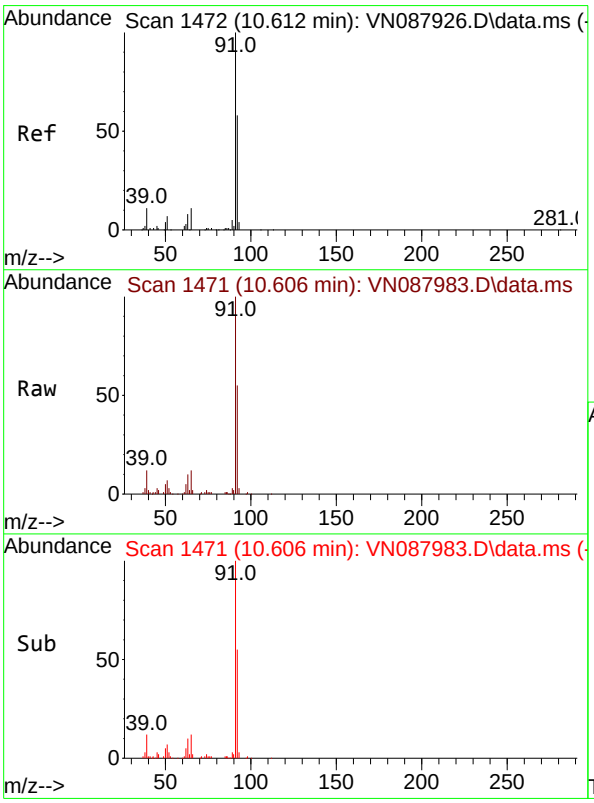
#50
Toluene-d8
Concen: 49.481 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion: 98 Resp: 457796

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5

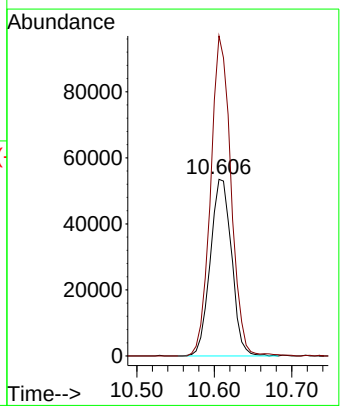


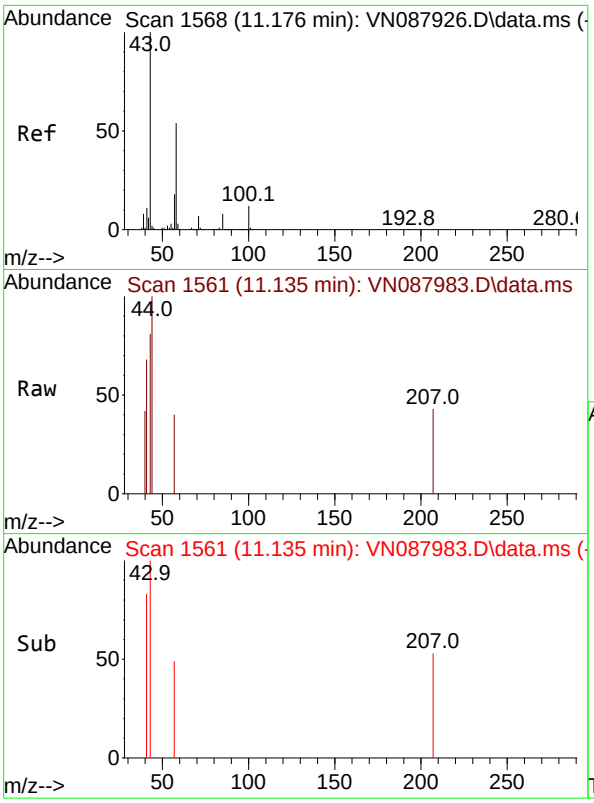


#52
Toluene
Concen: 15.555 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 92 Resp: 102242

Ion	Ratio	Lower	Upper
92	100		
91	173.4	138.2	207.2



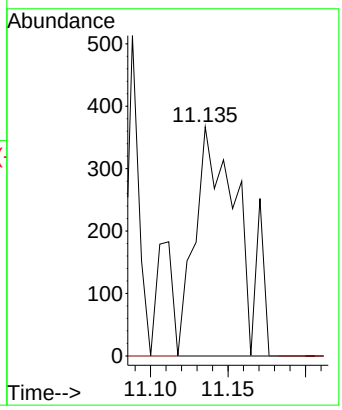


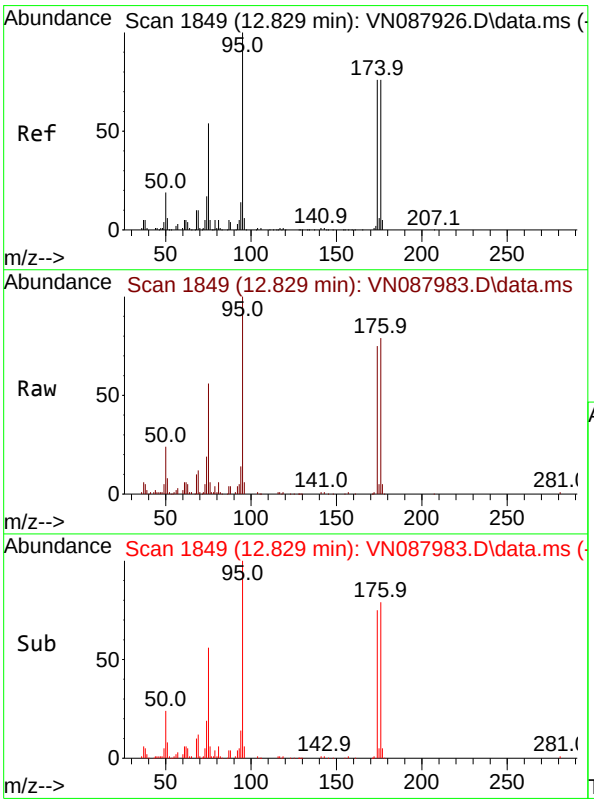
#59
2-Hexanone
Concen: 0.268 ug/l
RT: 11.135 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion: 43 Resp: 724

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.4	79.2#

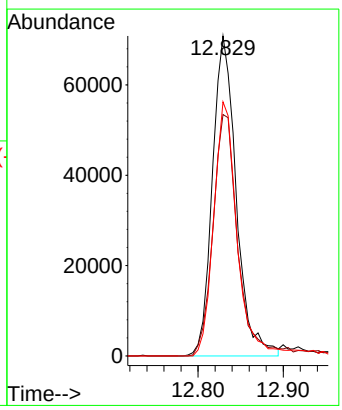


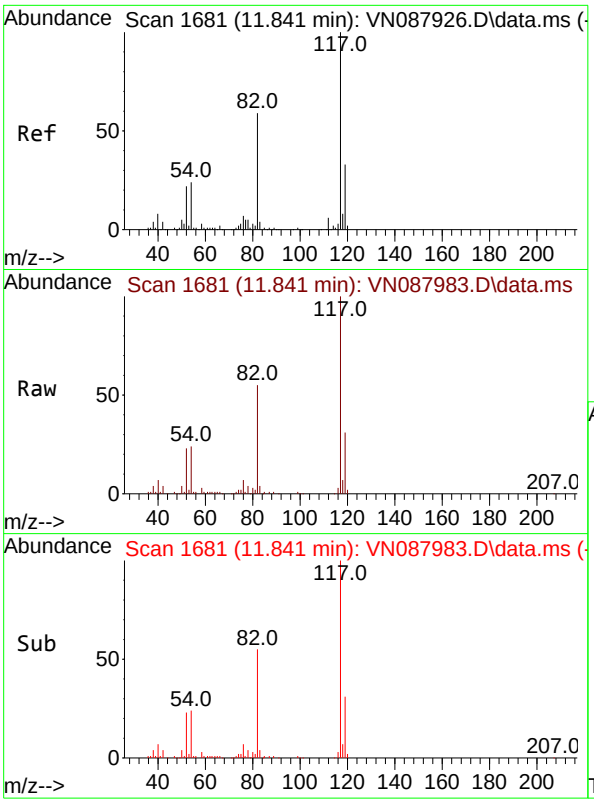


#62
4-Bromofluorobenzene
Concen: 41.586 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 95 Resp: 137527

Ion	Ratio	Lower	Upper
95	100		
174	79.4	0.0	159.2
176	77.6	0.0	152.6



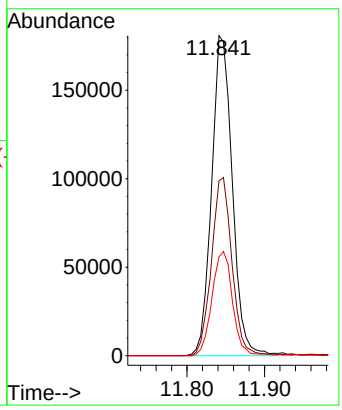


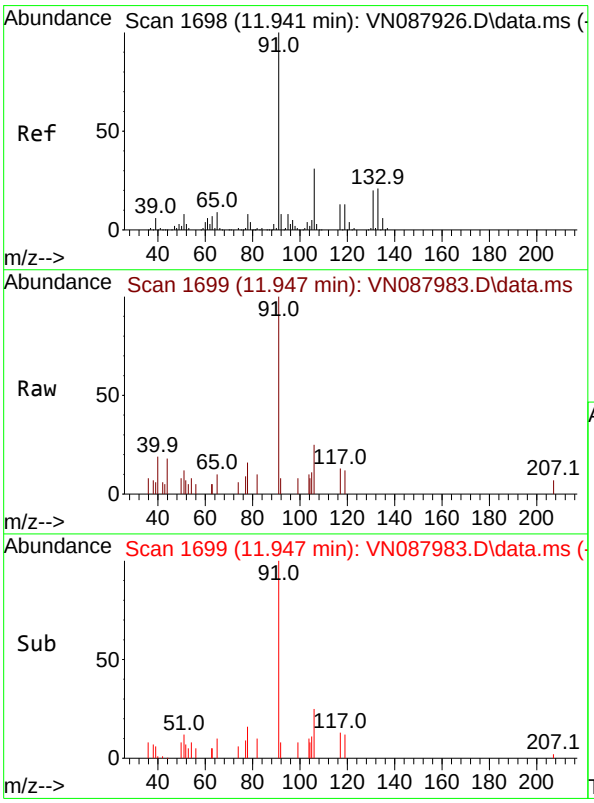
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:117 Resp: 335060

Ion	Ratio	Lower	Upper
117	100		
82	54.6	47.0	70.4
119	30.8	26.1	39.1

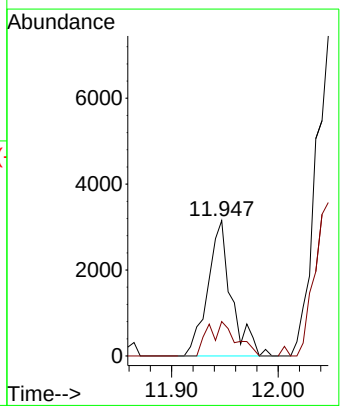


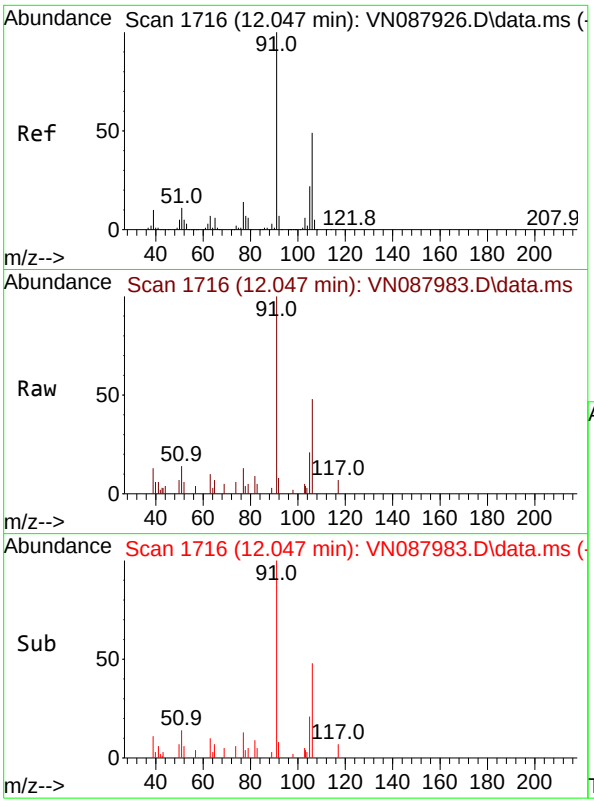


#67
Ethyl Benzene
Concen: 0.408 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 91 Resp: 4854

Ion	Ratio	Lower	Upper
91	100		
106	25.4	25.2	37.8



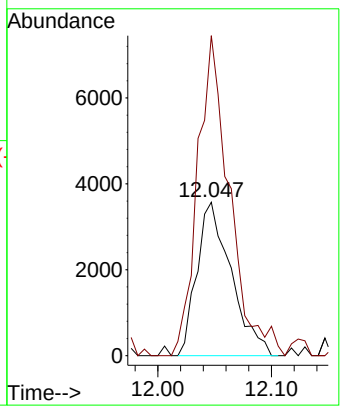


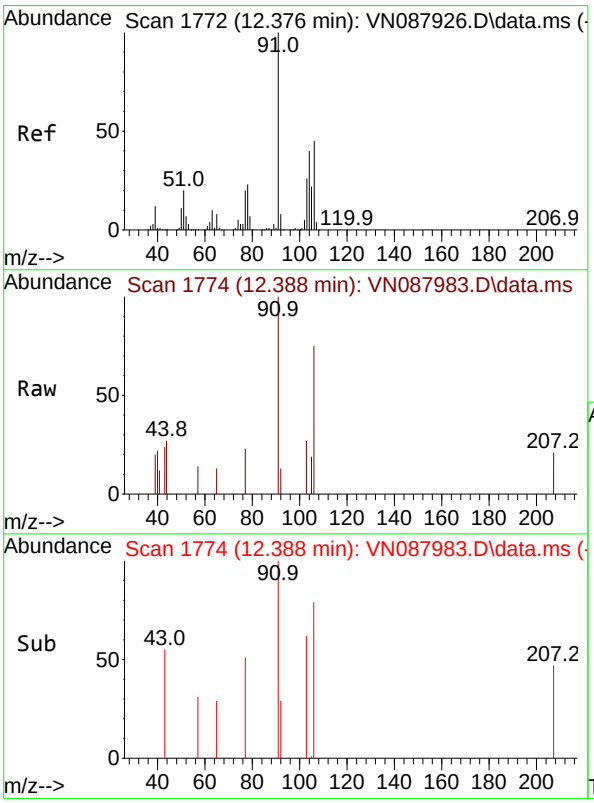
#68
m/p-Xylenes
Concen: 1.647 ug/l
RT: 12.047 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:106 Resp: 7496

Ion	Ratio	Lower	Upper
106	100		
91	194.9	162.9	244.3

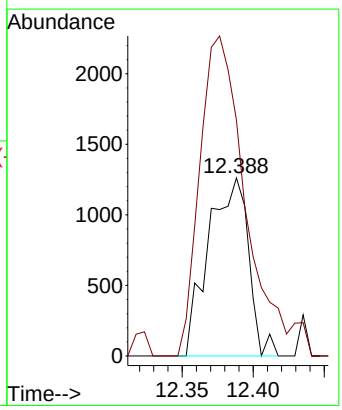


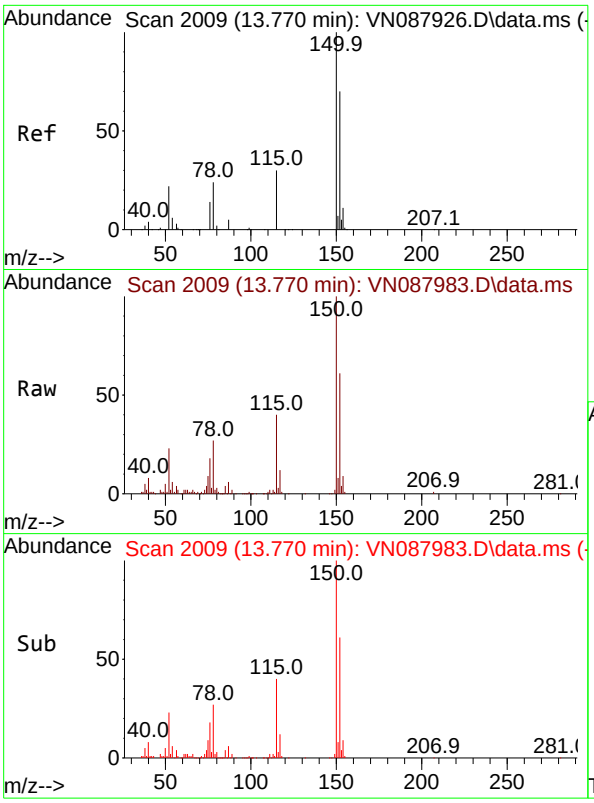


#69
o-Xylene
Concen: 0.566 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.012 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion:106 Resp: 2474

Ion	Ratio	Lower	Upper
106	100		
91	207.6	108.2	324.6



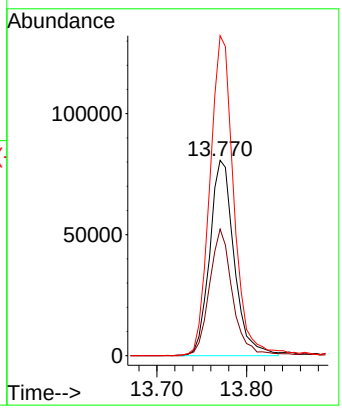


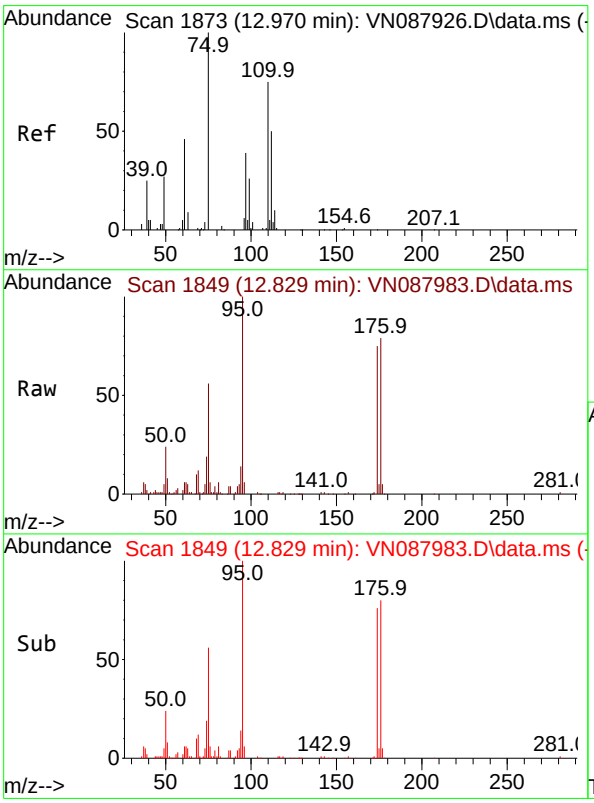
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:152 Resp: 152669

Ion	Ratio	Lower	Upper
152	100		
115	61.6	29.9	89.7
150	161.0	0.0	335.0

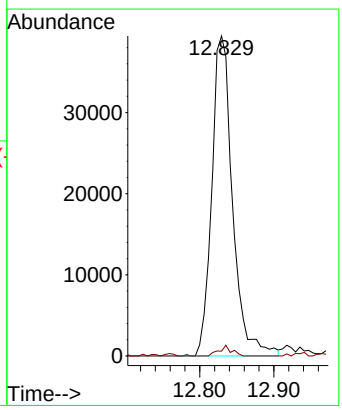


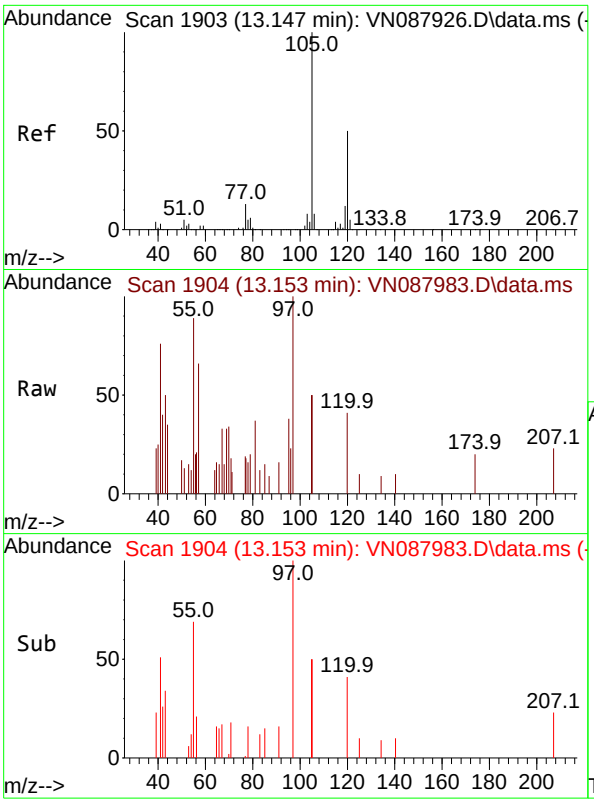


#76
1,2,3-Trichloropropane
Concen: 25.489 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 75 Resp: 76709

Ion	Ratio	Lower	Upper
75	100		
77	2.0	89.5	268.5#



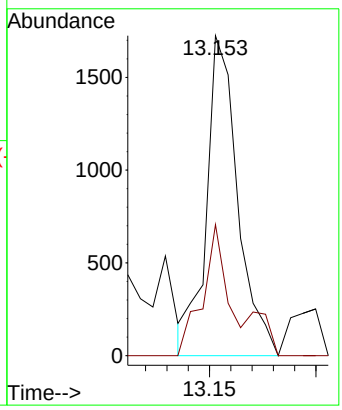


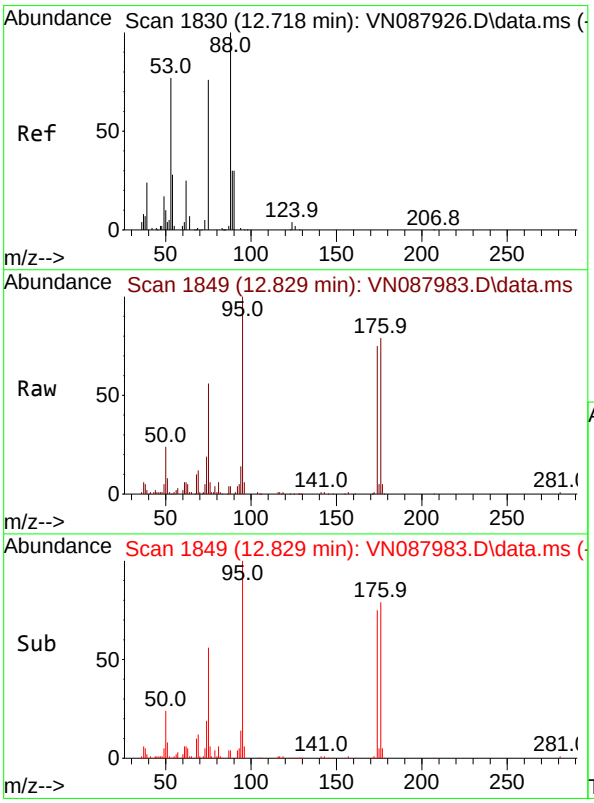
#80
1,3,5-Trimethylbenzene
Concen: 0.215 ug/l
RT: 13.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:105 Resp: 1760

Ion	Ratio	Lower	Upper
105	100		
120	41.9	24.7	74.1

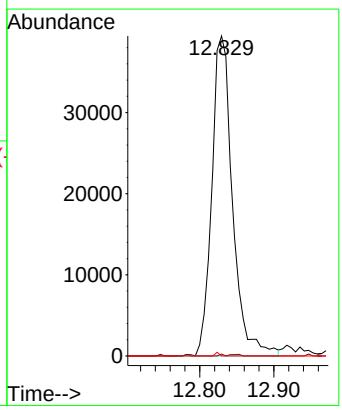


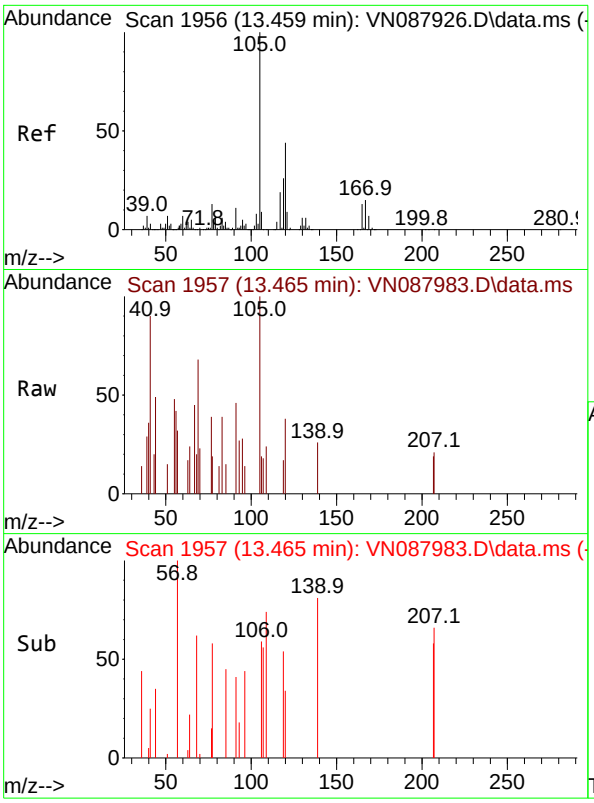


#81
trans-1,4-Dichloro-2-butene
Concen: 70.780 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 75 Resp: 76709

Ion	Ratio	Lower	Upper
75	100		
53	0.1	82.0	123.0#
89	0.2	36.1	54.1#



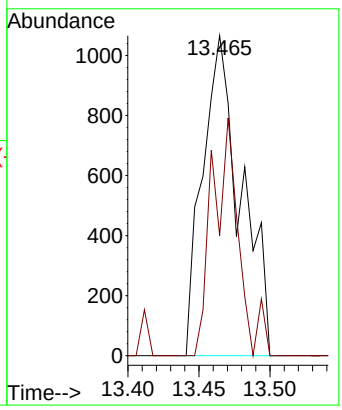


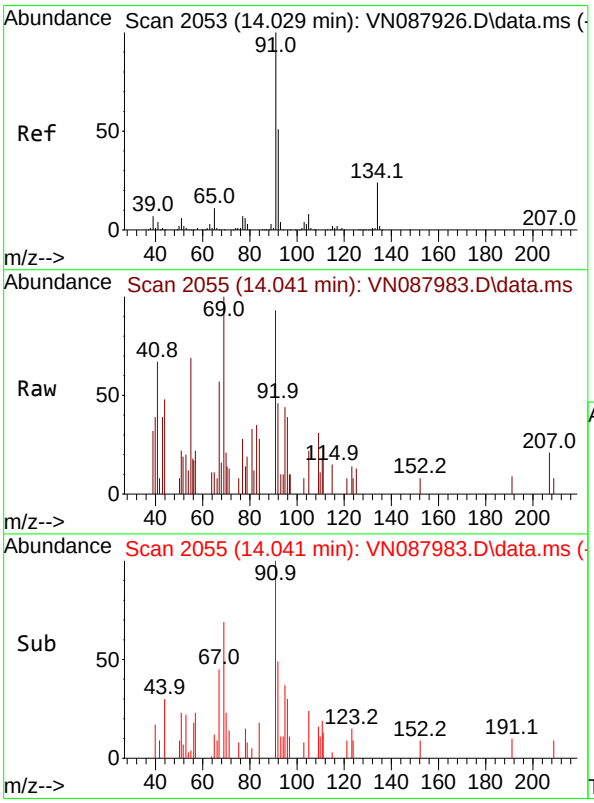
#84
1,2,4-Trimethylbenzene
Concen: 0.239 ug/l
RT: 13.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:105 Resp: 2005

Ion	Ratio	Lower	Upper
105	100		
120	50.7	22.4	67.3

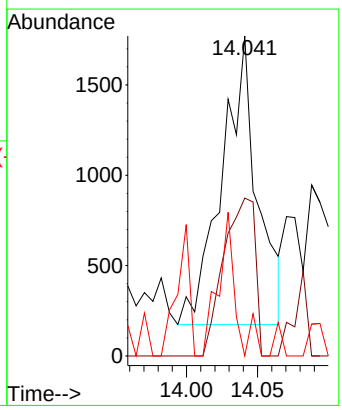


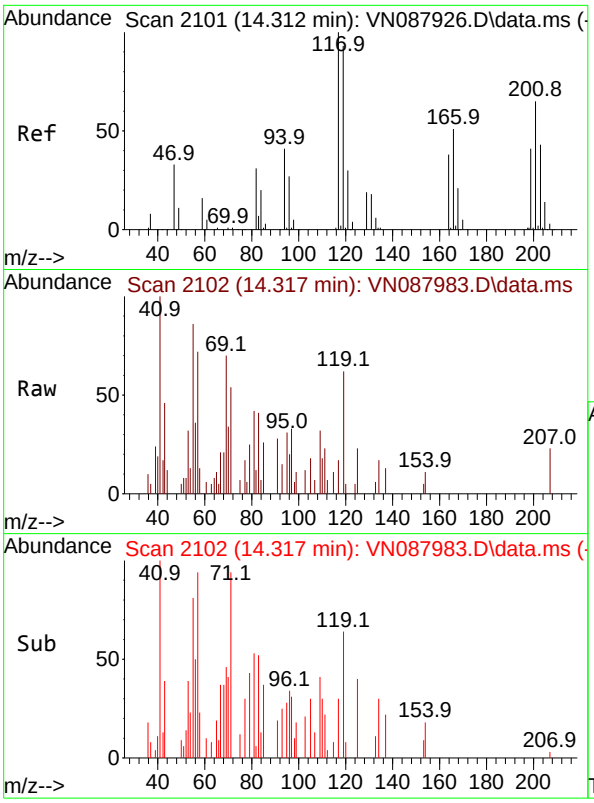


#89
n-Butylbenzene
Concen: 0.341 ug/l
RT: 14.041 min Scan# 2055
Delta R.T. 0.012 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion: 91 Resp: 2775

Ion	Ratio	Lower	Upper
91	100		
92	48.5	25.9	77.8
134	24.6	12.6	37.8



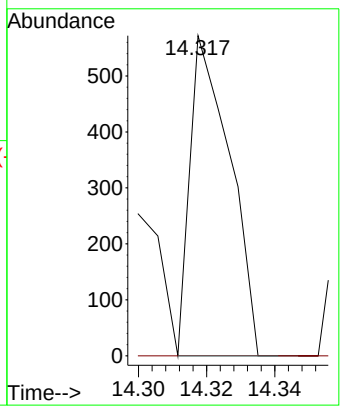


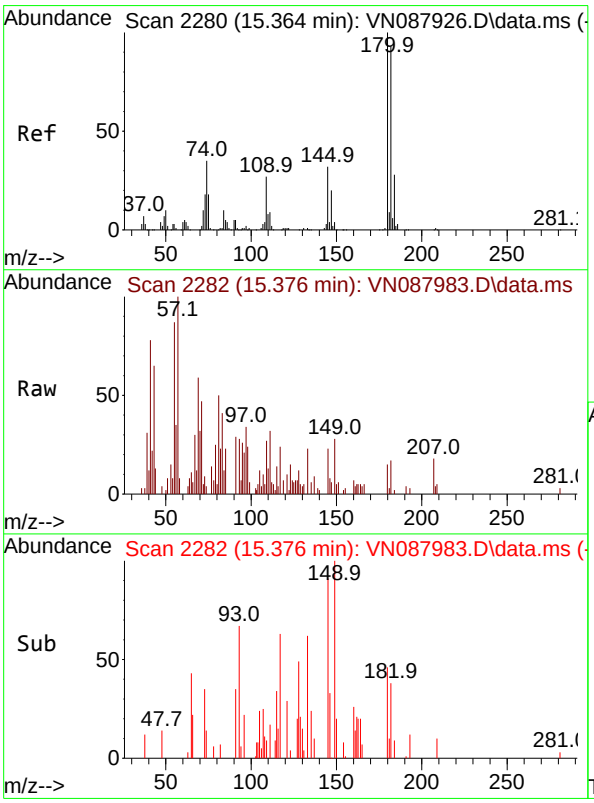
#90
Hexachloroethane
Concen: 0.259 ug/l
RT: 14.317 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:117 Resp: 465

Ion	Ratio	Lower	Upper
117	100		
201	0.0	33.6	100.6#

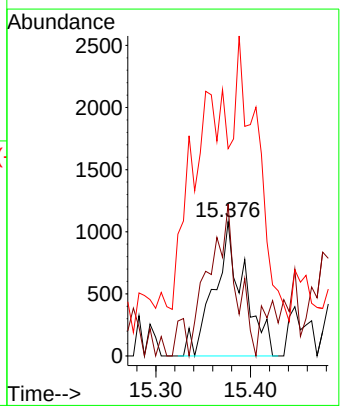


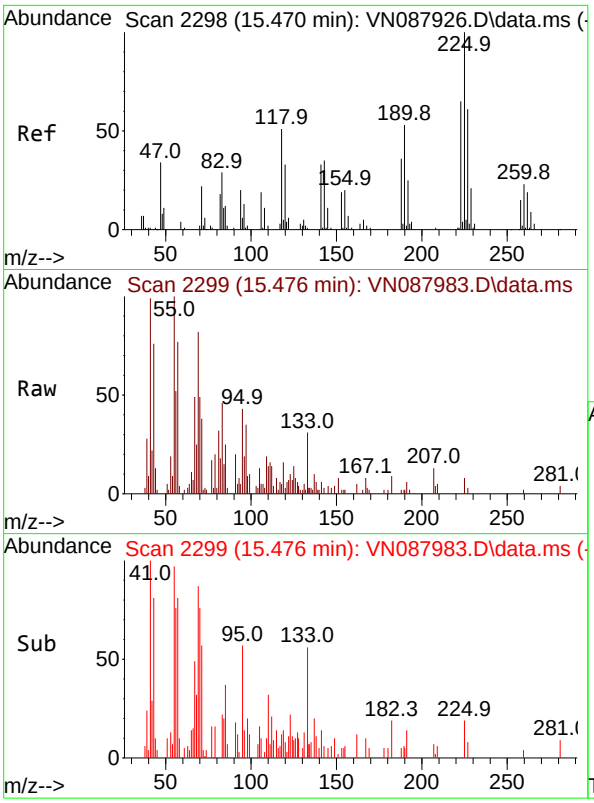


#93
1,2,4-Trichlorobenzene
Concen: 0.846 ug/l
RT: 15.376 min Scan# 2282
Delta R.T. 0.012 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion:180 Resp: 2365

Ion	Ratio	Lower	Upper
180	100		
182	103.4	48.5	145.5
145	187.8	15.9	47.6#



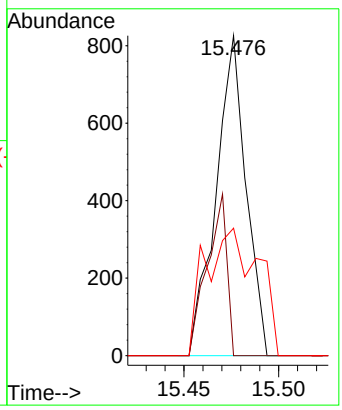


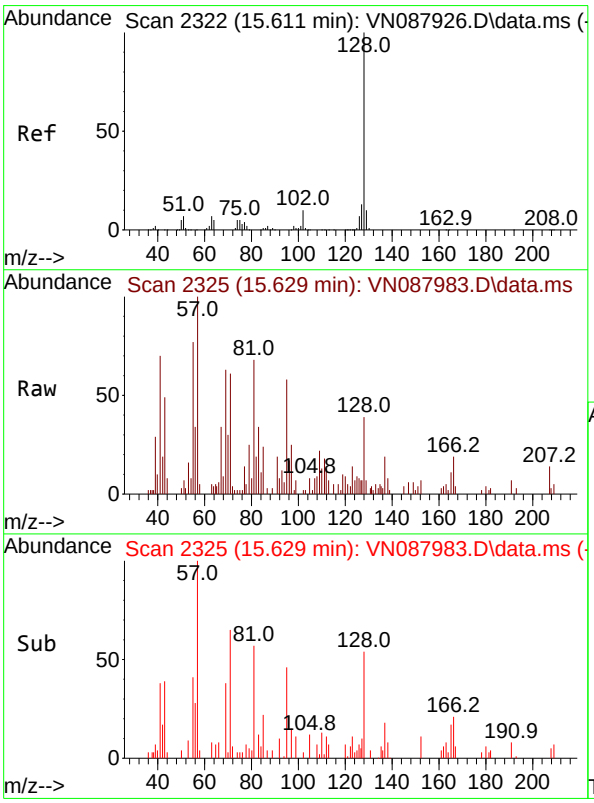
#94
Hexachlorobutadiene
Concen: 0.888 ug/l
RT: 15.476 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:225 Resp: 914

Ion	Ratio	Lower	Upper
225	100		
223	33.0	31.8	95.4
227	69.5	31.9	95.9

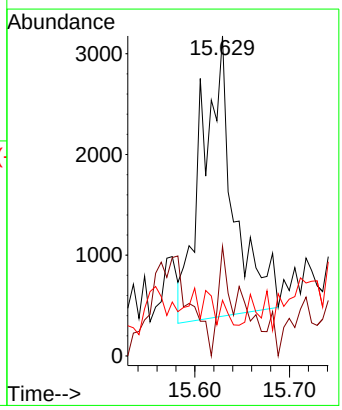


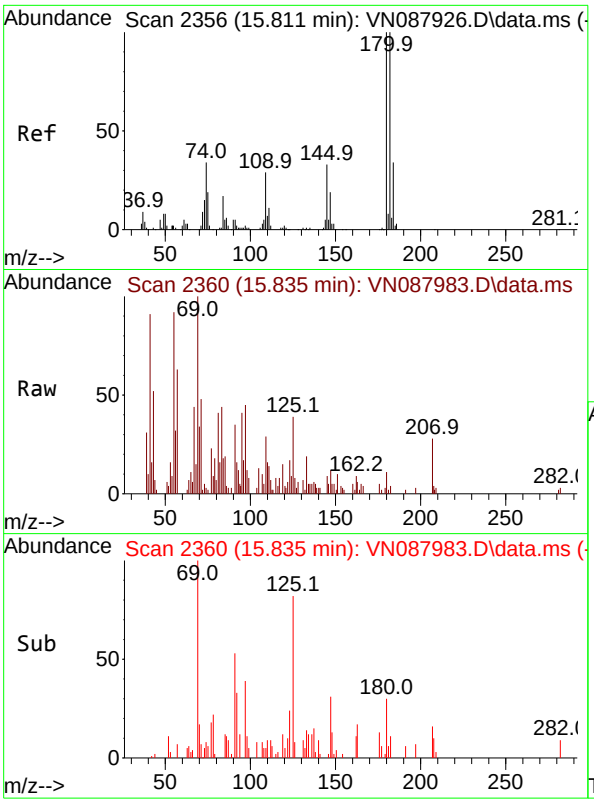


#95
Naphthalene
Concen: 0.729 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. 0.018 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Tgt Ion:128 Resp: 6541

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	0.0	8.6	13.0#





#96
1,2,3-Trichlorobenzene
Concen: 0.551 ug/l
RT: 15.835 min Scan# 2
Delta R.T. 0.024 min
Lab File: VN087983.D
Acq: 29 Sep 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
Mid Site Grid 5-7

Tgt Ion:180 Resp: 1498

Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	142.0#
145	0.0	16.1	48.3#