Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
Data File : VL041113.D
Acq On : 14 Mar 2024 19:01
Operator : SY/MD
Sample : P1748-03DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Quant Time: Mar 15 02:50:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 15 02:44:43 2024
Response via : Initial Calibration

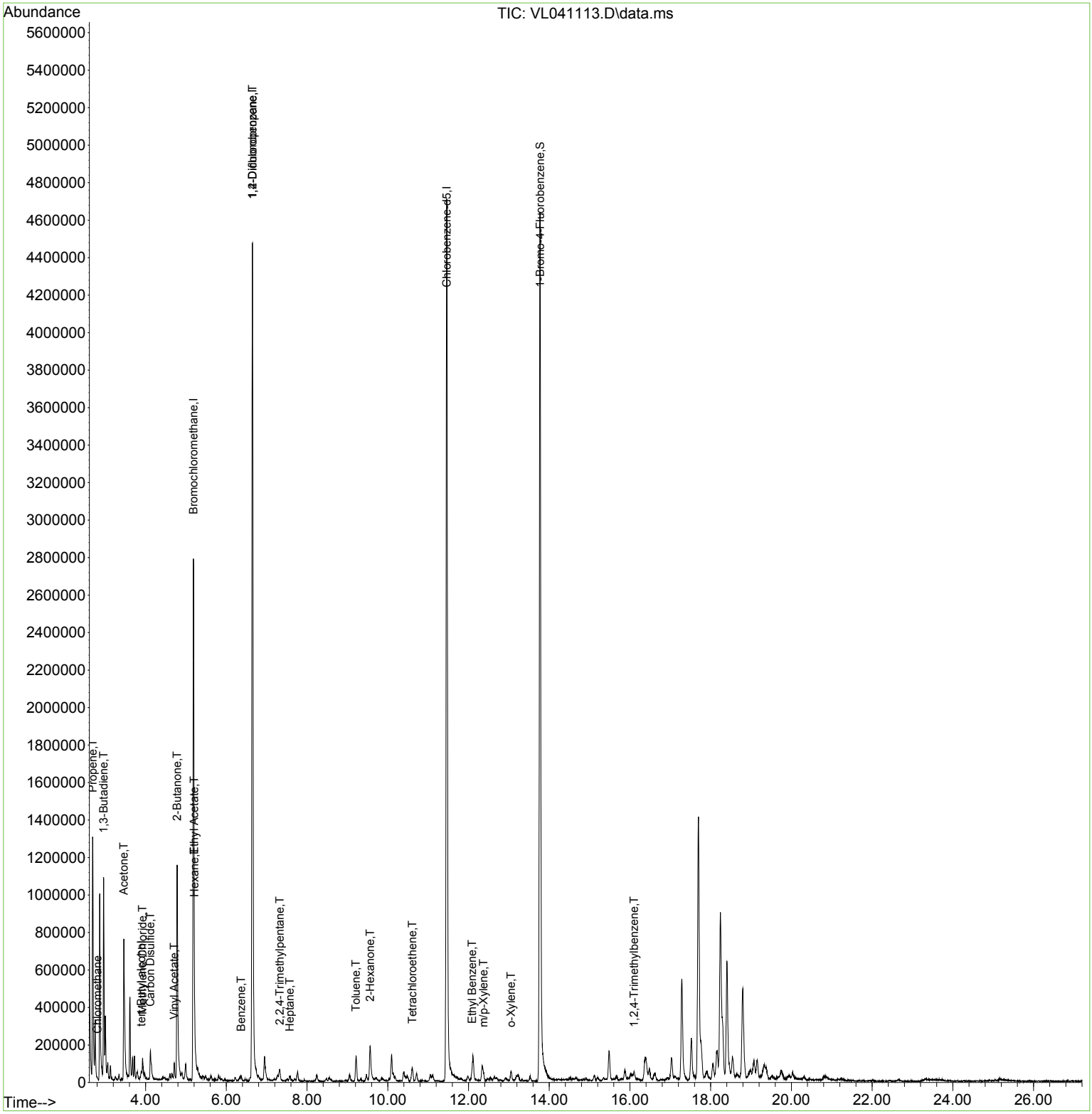
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.185	49	1352329	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3483133	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3085141	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2394608	9.927	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.300%			
Target Compounds						Qvalue
4) Chloromethane	2.809	50	4414	0.059	ppbv #	72
9) Propene	2.687	41	511597	7.735	ppbv	97
10) Heptane	7.568	43	5856	0.037	ppbv #	26
15) Acetone	3.462	43	779666	5.061	ppbv #	78
16) 1,3-Butadiene	2.960	39	266265	3.810	ppbv #	24
17) tert-Butyl alcohol	3.893	59	5223	0.046	ppbv #	70
20) Methylene Chloride	3.925	84	32598	0.543	ppbv #	89
23) Vinyl Acetate	4.713	43	23681	0.136	ppbv #	12
25) Ethyl Acetate	5.205	43	23606	0.085	ppbv #	90
26) Hexane	5.208	57	31081	0.251	ppbv #	1
27) Carbon Disulfide	4.118	76	161835	1.088	ppbv #	93
34) 2-Butanone	4.780	43	1472982	8.541	ppbv	100
36) Benzene	6.365	78	11358	0.044	ppbv #	84
39) 1,2-Dichloropropane	6.645	63	852248	8.217	ppbv #	24
44) 2,2,4-Trimethylpentane	7.324	57	48677	0.112	ppbv #	81
51) 2-Hexanone	9.562	43	173142	0.929	ppbv #	93
52) Tetrachloroethene	10.610	164	11127	0.138	ppbv #	63
53) Toluene	9.214	91	82481	0.295	ppbv	99
58) Ethyl Benzene	12.089	91	15545	0.043	ppbv	93
59) m/p-Xylene	12.372	91	15643	0.049	ppbv #	32
60) o-Xylene	13.053	91	23233	0.077	ppbv #	64
74) 1,2,4-Trimethylbenzene	16.101	105	15564	0.046	ppbv #	75

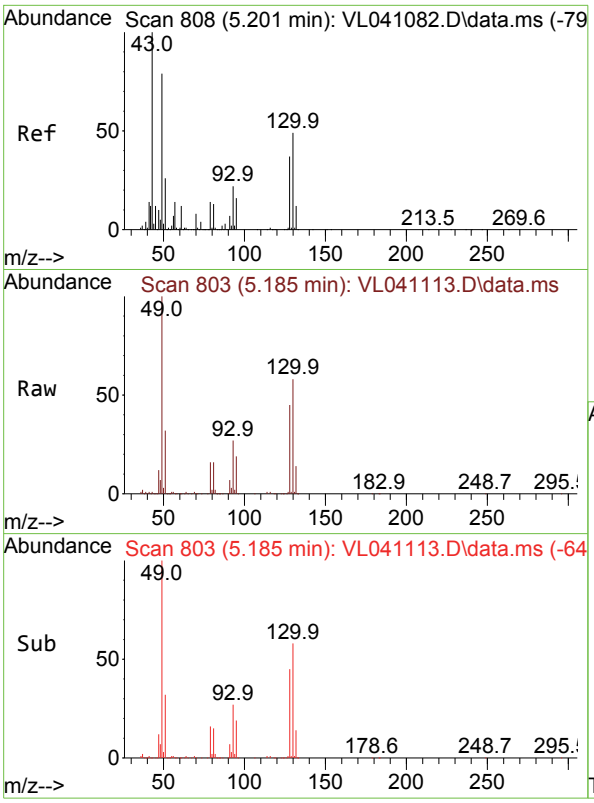
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
Data File : VL041113.D
Acq On : 14 Mar 2024 19:01
Operator : SY/MD
Sample : P1748-03DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Quant Time: Mar 15 02:50:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 15 02:44:43 2024
Response via : Initial Calibration



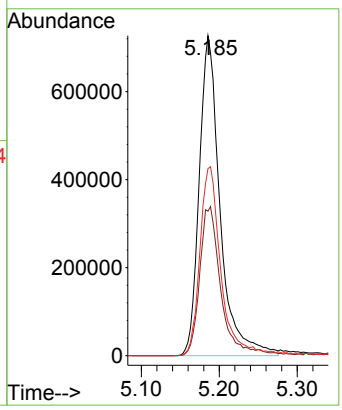


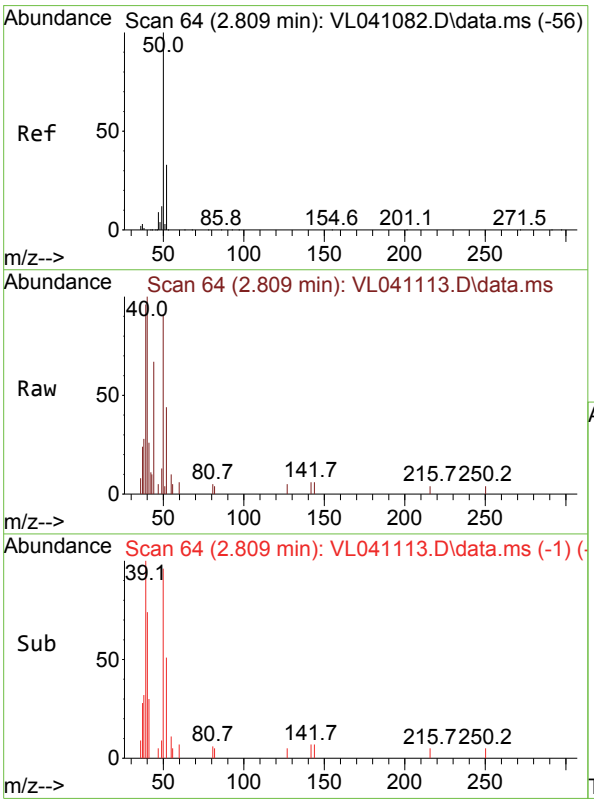
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 49 Resp: 1352329

Ion	Ratio	Lower	Upper
49	100		
128	47.6	23.8	71.5
130	60.7	30.3	90.9

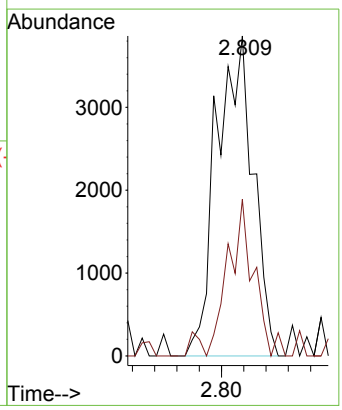


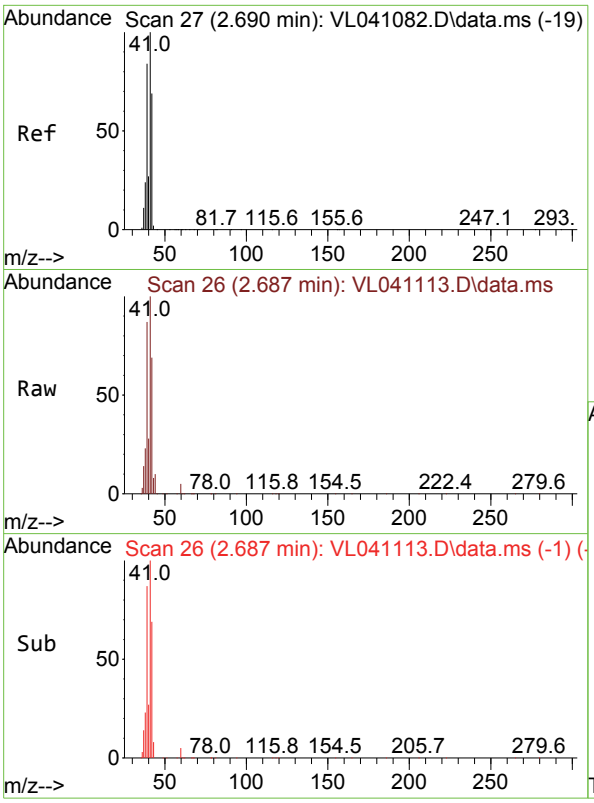


#4
Chloromethane
Concen: 0.059 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.010 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 50 Resp: 4414

Ion	Ratio	Lower	Upper
50	100		
52	49.0	26.6	40.0#



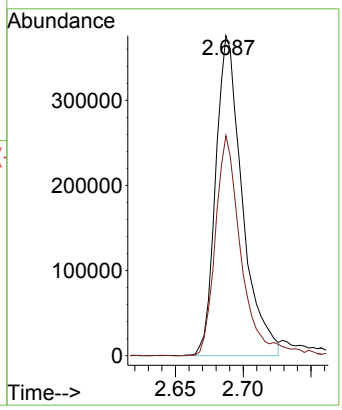


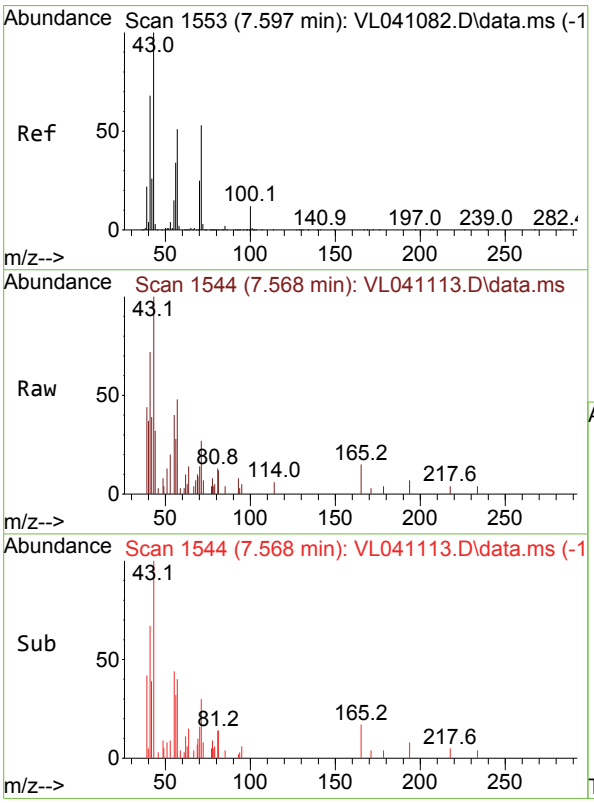
#9
Propene
Concen: 7.735 ppbv
RT: 2.687 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 41 Resp: 511597

Ion	Ratio	Lower	Upper
41	100		
42	67.2	55.9	83.9

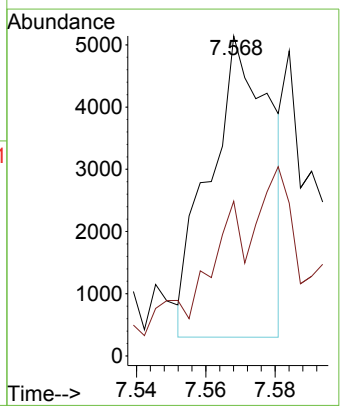


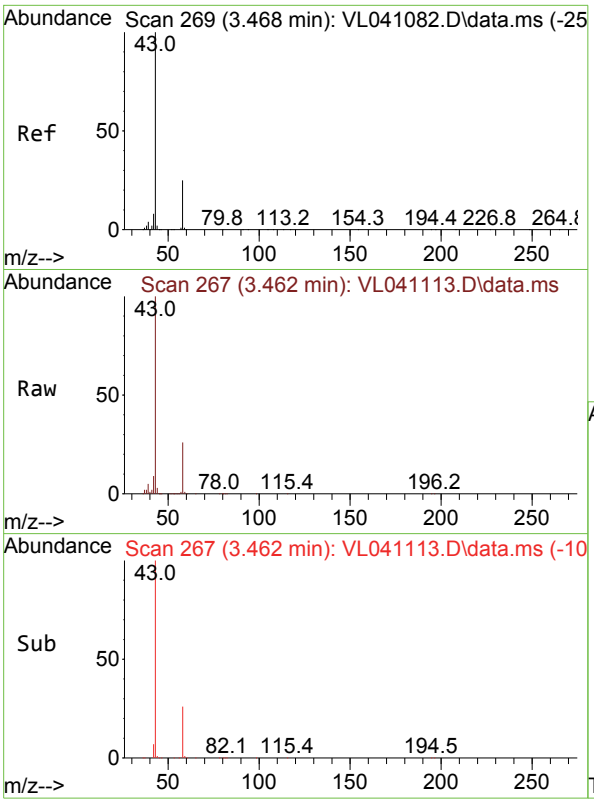


#10
Heptane
Concen: 0.037 ppbv
RT: 7.568 min Scan# 1544
Delta R.T. 0.000 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 43 Resp: 5856

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.0	61.6#



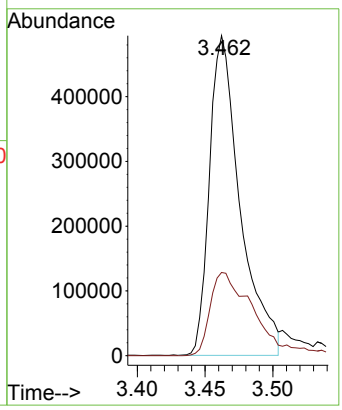


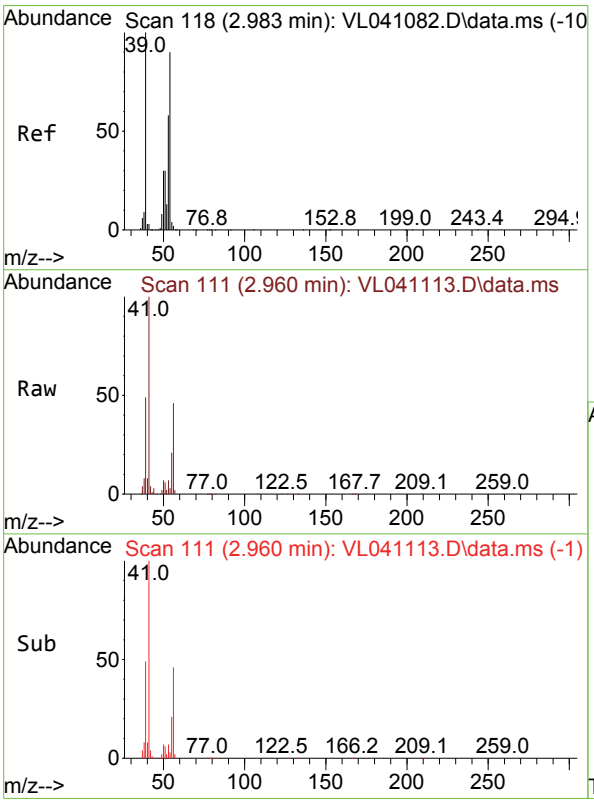
#15
Acetone
Concen: 5.061 ppbv
RT: 3.462 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 43 Resp: 779666

Ion	Ratio	Lower	Upper
43	100		
58	38.5	21.7	32.5#

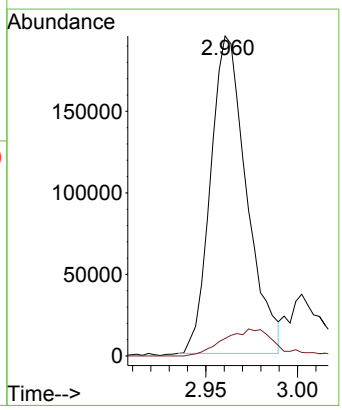


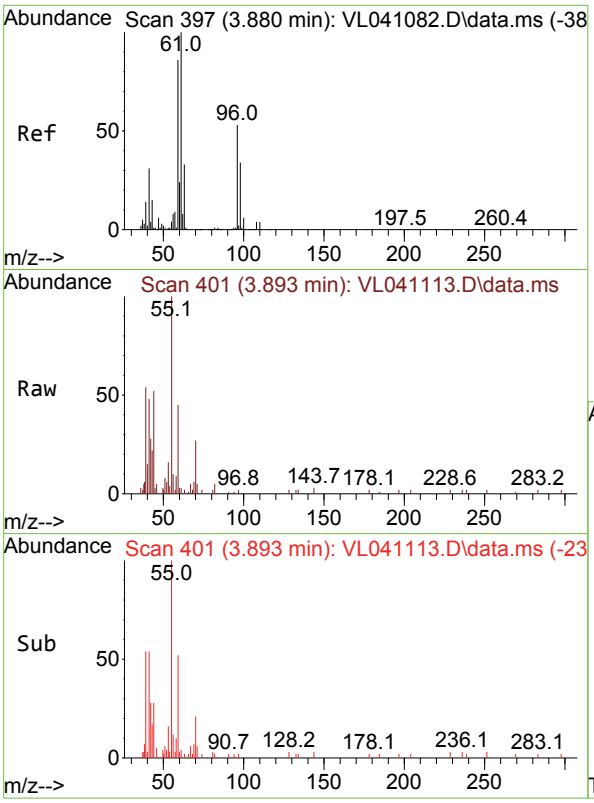


#16
1,3-Butadiene
Concen: 3.810 ppbv
RT: 2.960 min Scan# 111
Delta R.T. -0.013 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 39 Resp: 266265

Ion	Ratio	Lower	Upper
39	100		
54	12.5	64.0	96.0#



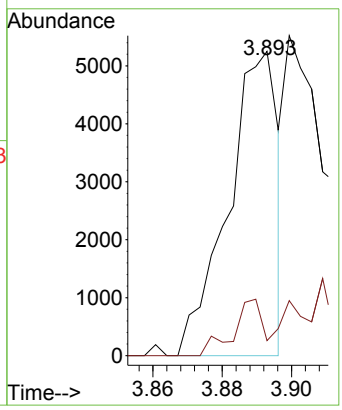


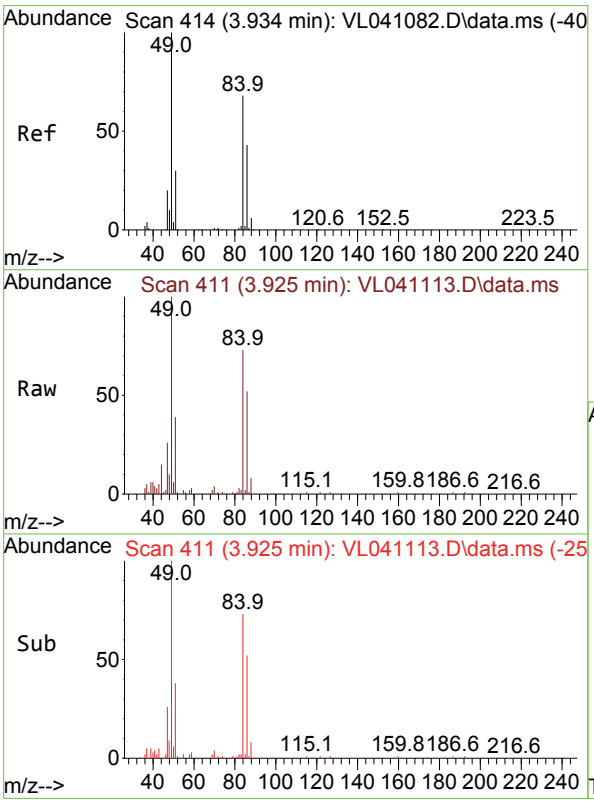
#17
tert-Butyl alcohol
Concen: 0.046 ppbv
RT: 3.893 min Scan# 4
Delta R.T. 0.029 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 59 Resp: 5223

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

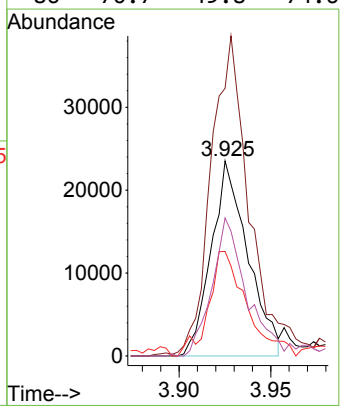


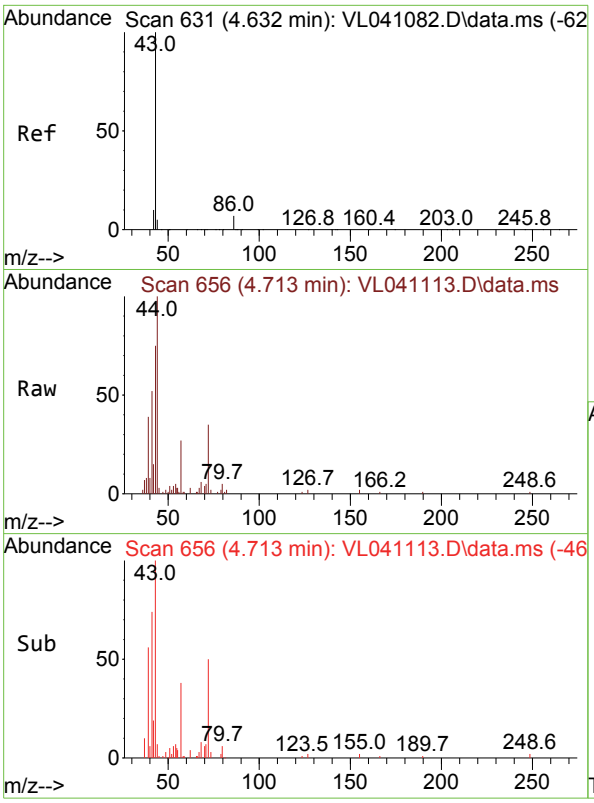


#20
Methylene Chloride
Concen: 0.543 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 84 Resp: 32598

Ion	Ratio	Lower	Upper
84	100		
49	135.2	117.0	175.6
51	53.5	34.9	52.3#
86	70.7	49.8	74.6



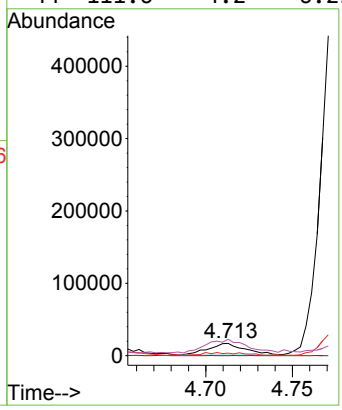


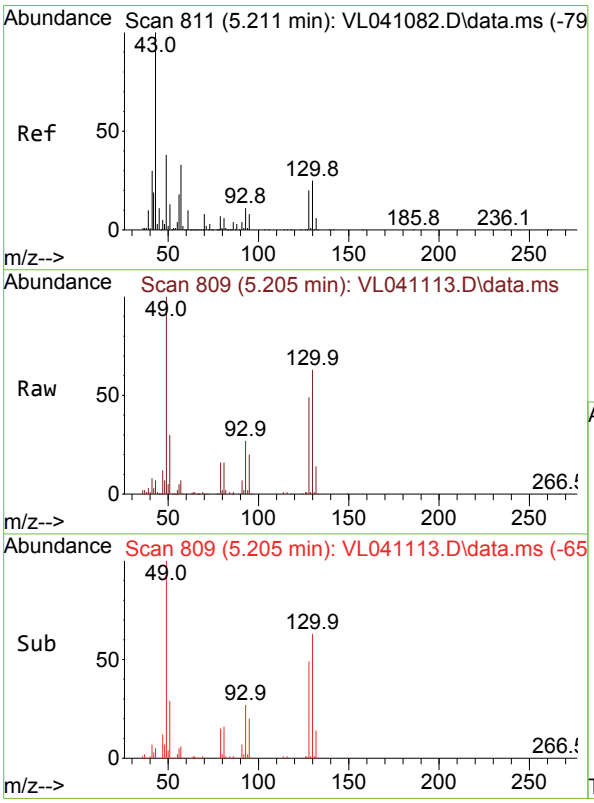
#23
Vinyl Acetate
Concen: 0.136 ppbv
RT: 4.713 min Scan# 6
Delta R.T. 0.100 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 43 Resp: 23681

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.4	8.2#
42	15.0	8.0	12.0#
44	111.6	4.2	6.2#

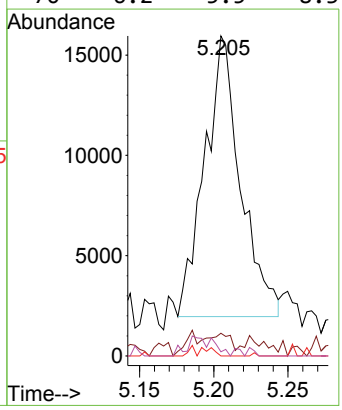


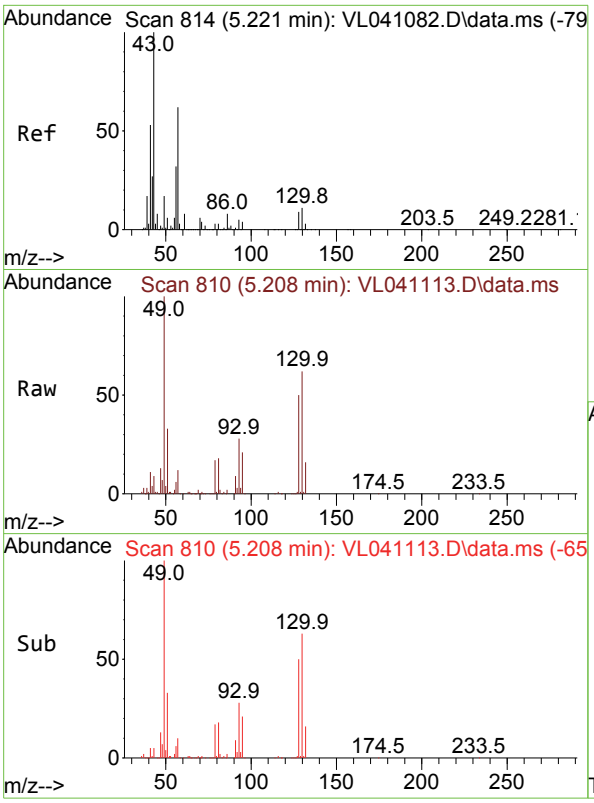


#25
Ethyl Acetate
Concen: 0.085 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.010 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 43 Resp: 23606

Ion	Ratio	Lower	Upper
43	100		
45	8.9	8.2	12.2
61	1.6	8.2	12.2#
70	6.2	5.5	8.3



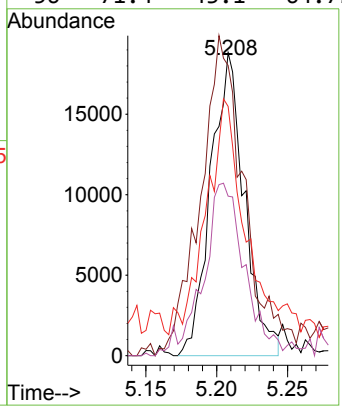


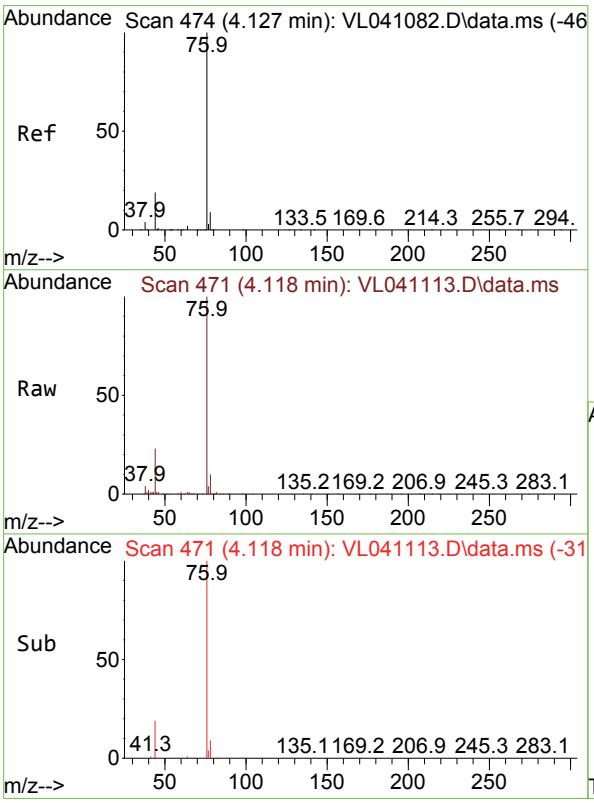
#26
Hexane
Concen: 0.251 ppbv
RT: 5.208 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 57 Resp: 31081

Ion	Ratio	Lower	Upper
57	100		
41	137.3	73.8	110.6#
43	0.0	184.2	276.2#
56	71.4	43.1	64.7#

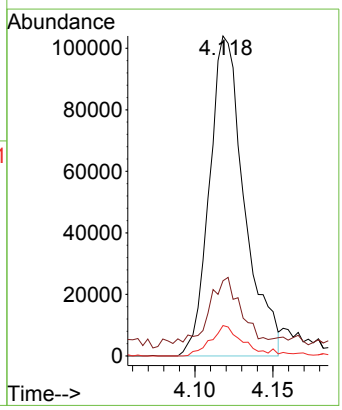


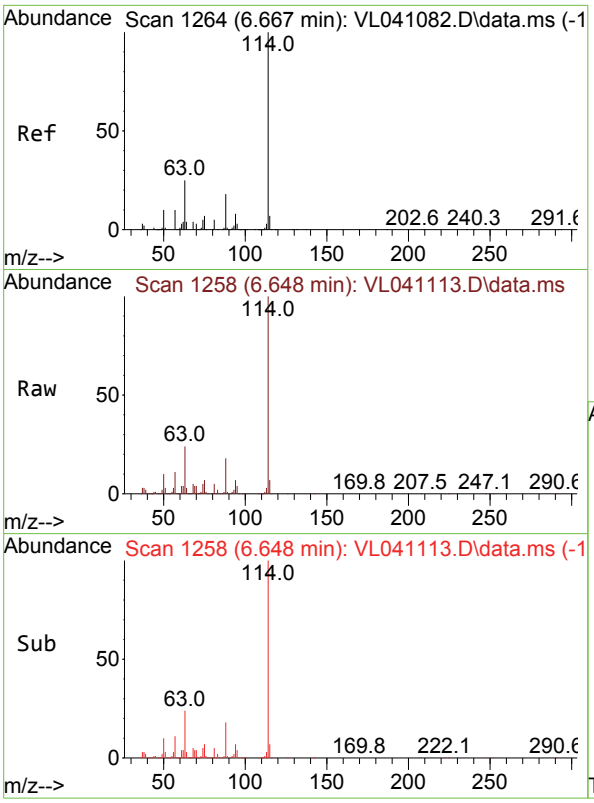


#27
Carbon Disulfide
Concen: 1.088 ppbv
RT: 4.118 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 76 Resp: 161835

Ion	Ratio	Lower	Upper
76	100		
44	24.1	16.0	24.0#
78	10.0	7.5	11.3



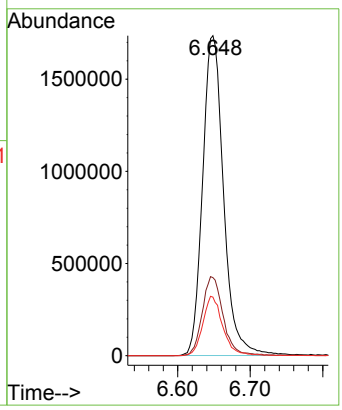


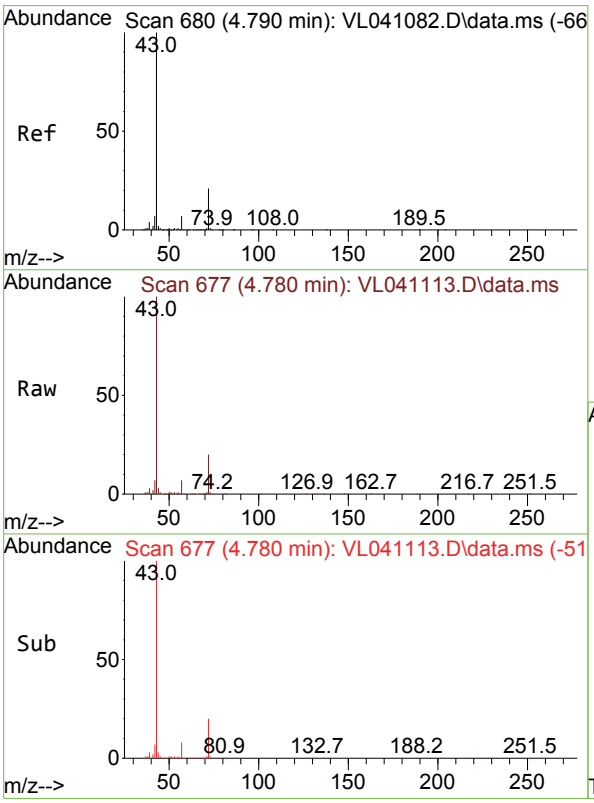
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion:114 Resp: 3483133

Ion	Ratio	Lower	Upper
114	100		
63	24.8	21.0	31.6
88	17.8	14.6	22.0

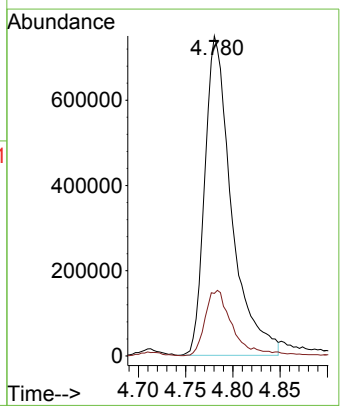


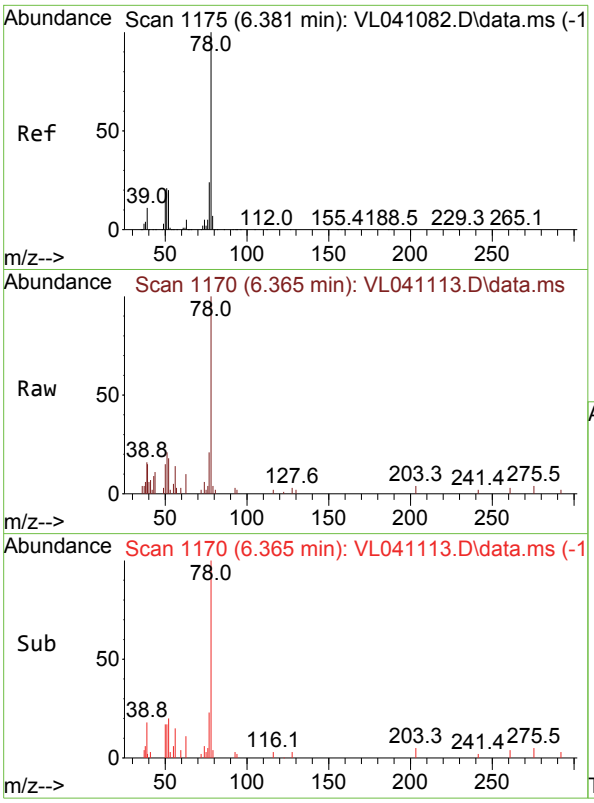


#34
2-Butanone
Concen: 8.541 ppbv
RT: 4.780 min Scan# 677
Delta R.T. 0.006 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 43 Resp: 1472982

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.4	26.0



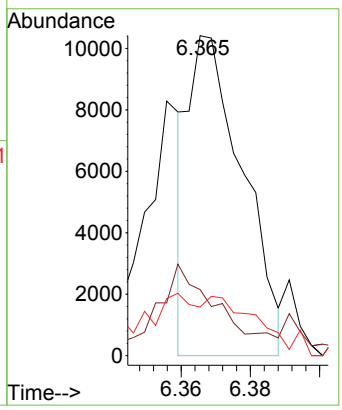


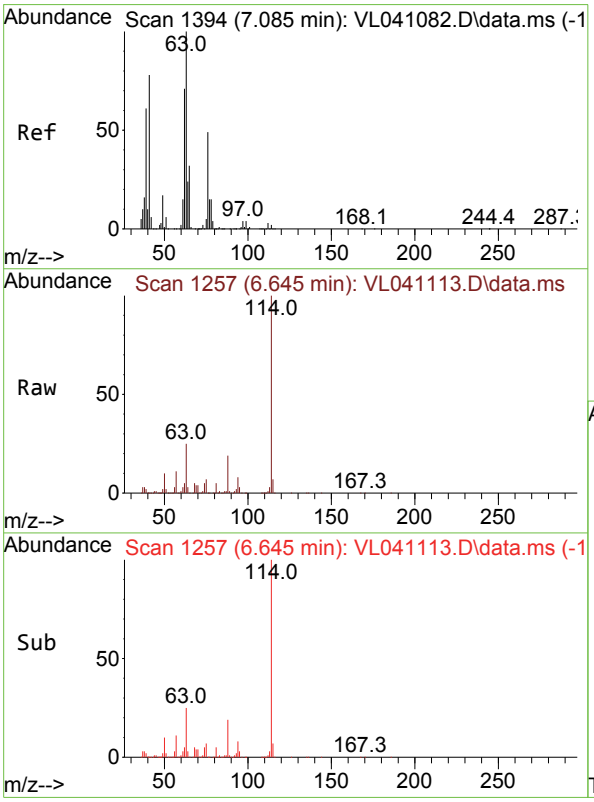
#36
Benzene
Concen: 0.044 ppbv
RT: 6.365 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 78 Resp: 11358

Ion	Ratio	Lower	Upper
78	100		
77	17.8	18.8	28.2#
50	9.4	15.5	23.3#

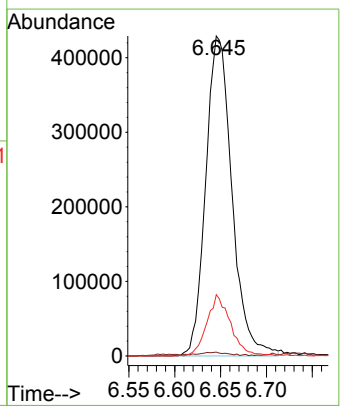


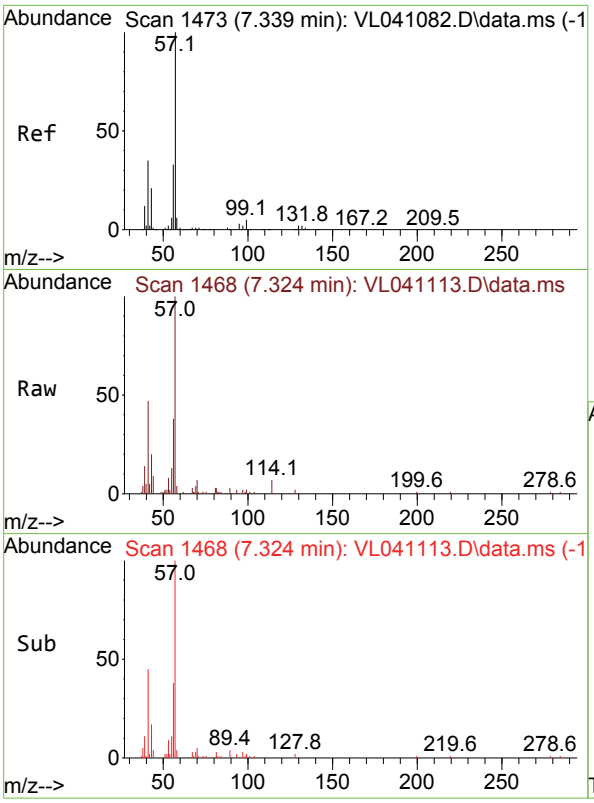


#39
1,2-Dichloropropane
Concen: 8.217 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.418 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 63 Resp: 852248

Ion	Ratio	Lower	Upper
63	100		
41	0.8	62.2	93.4#
62	19.1	57.0	85.4#



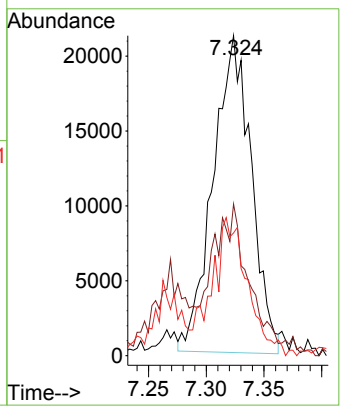


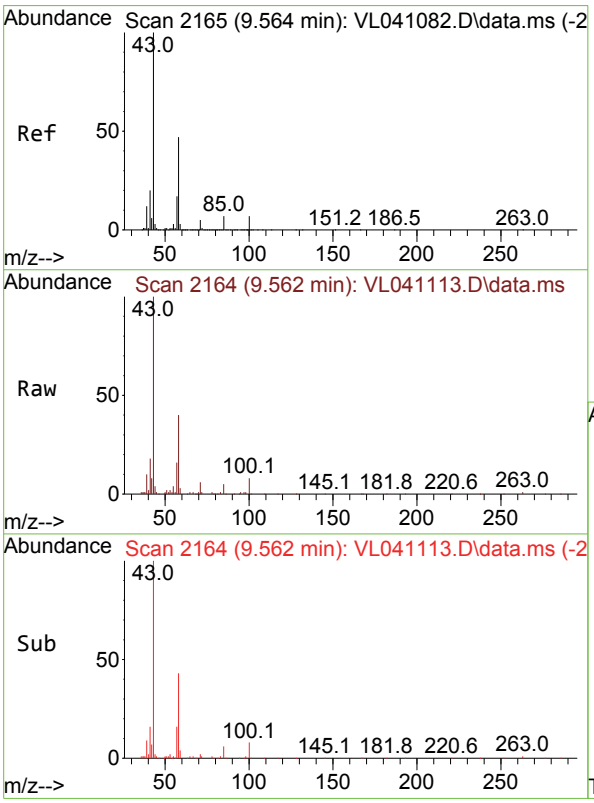
#44
2,2,4-Trimethylpentane
Concen: 0.112 ppbv
RT: 7.324 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 57 Resp: 48677

Ion	Ratio	Lower	Upper
57	100		
41	49.1	28.0	42.0#
56	39.4	25.7	38.5#

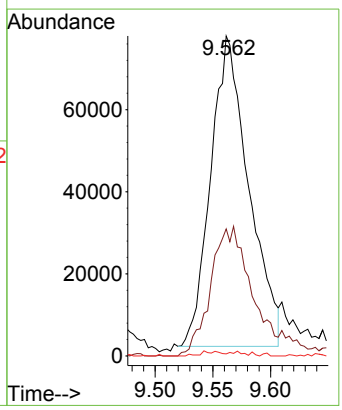


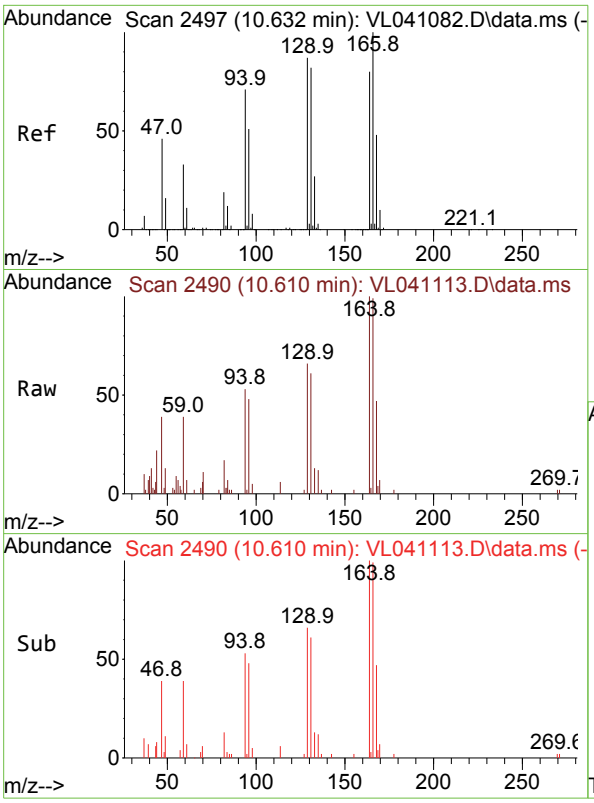


#51
2-Hexanone
Concen: 0.929 ppbv
RT: 9.562 min Scan# 2164
Delta R.T. 0.023 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 43 Resp: 173142

Ion	Ratio	Lower	Upper
43	100		
58	51.8	37.4	56.2
98	1.6	0.4	0.6#



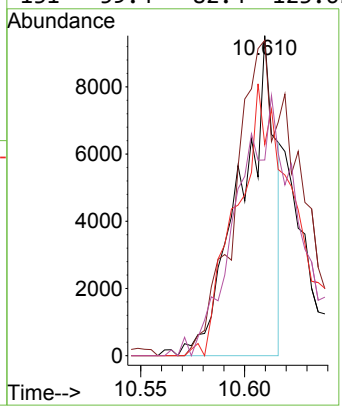


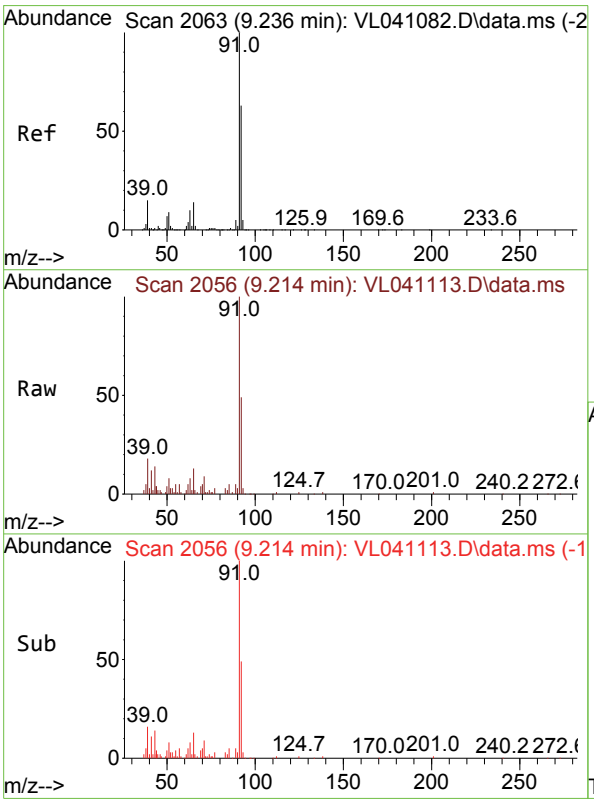
#52
Tetrachloroethene
Concen: 0.138 ppbv
RT: 10.610 min Scan# 24
Delta R.T. 0.000 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion:164 Resp: 11127

Ion	Ratio	Lower	Upper
164	100		
166	95.7	100.6	150.8#
129	64.1	87.2	130.8#
131	59.4	82.4	123.6#

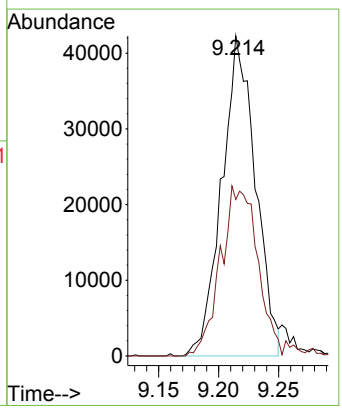


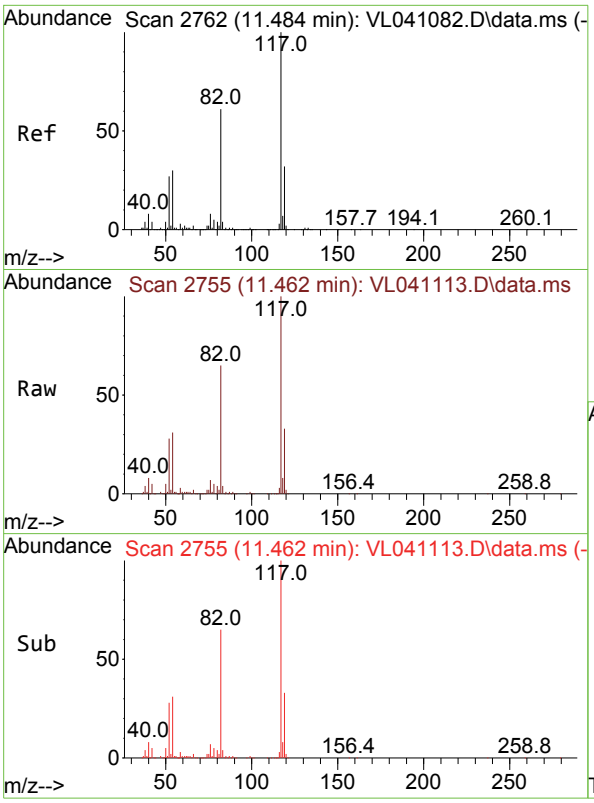


#53
Toluene
Concen: 0.295 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 91 Resp: 82481

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.9	73.3



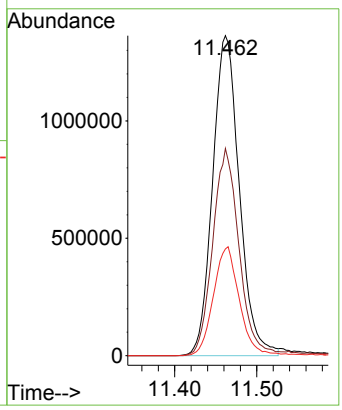


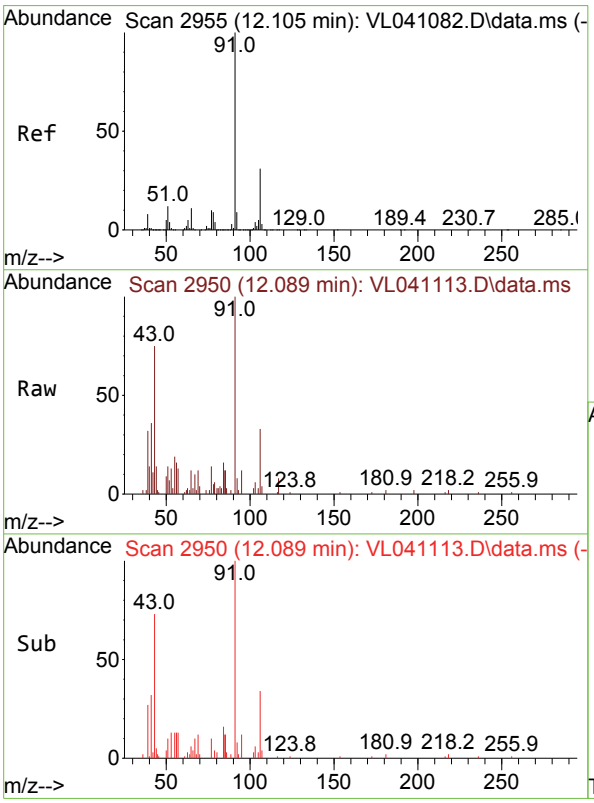
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion:117 Resp: 3085141

Ion	Ratio	Lower	Upper
117	100		
82	65.9	51.4	77.2
119	33.3	23.7	35.5

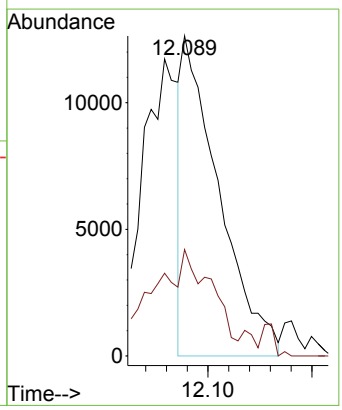


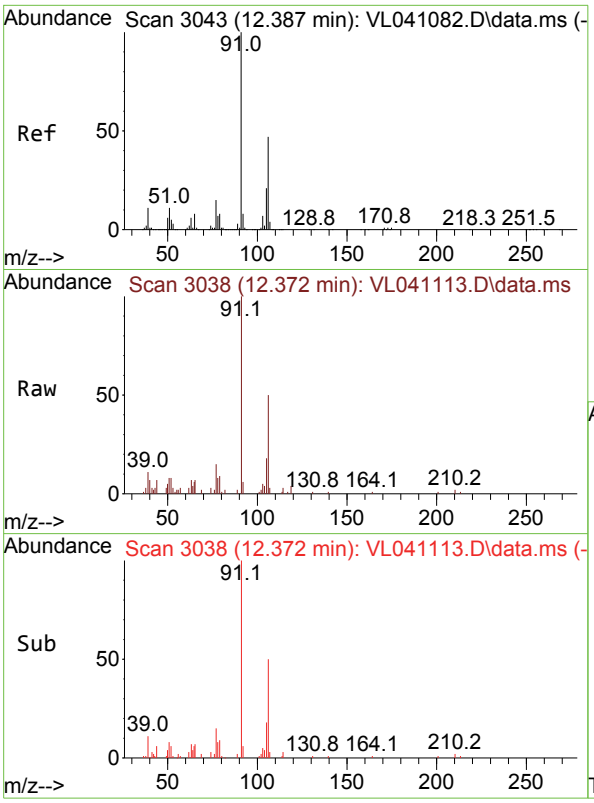


#58
Ethyl Benzene
Concen: 0.043 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 91 Resp: 15545

Ion	Ratio	Lower	Upper
91	100		
106	34.7	24.6	36.8



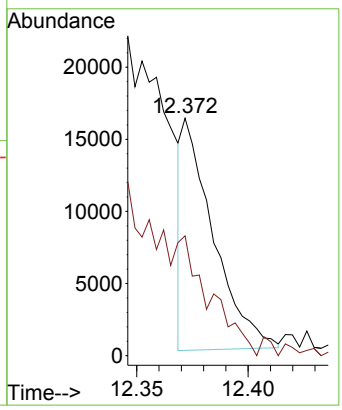


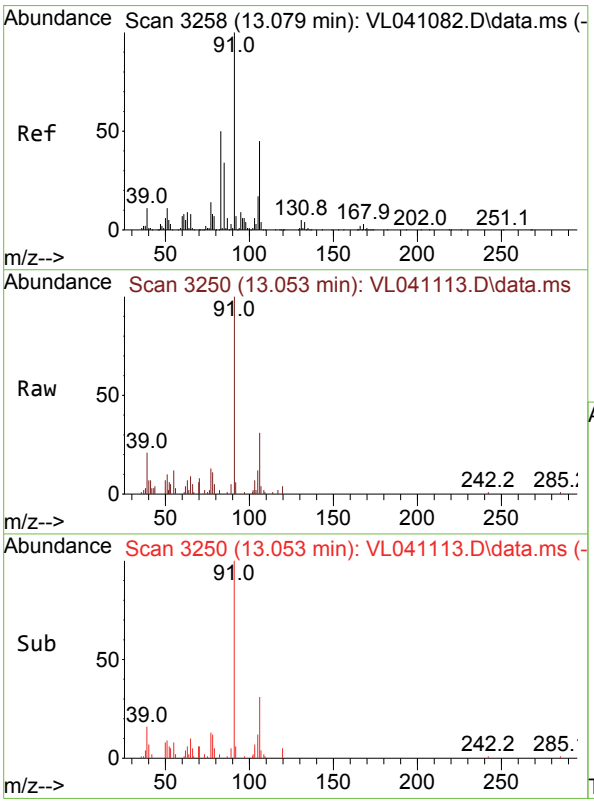
#59
m/p-Xylene
Concen: 0.049 ppbv
RT: 12.372 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 91 Resp: 15643

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

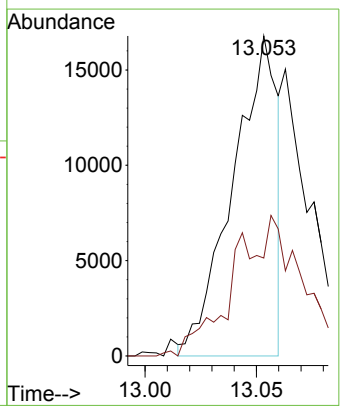


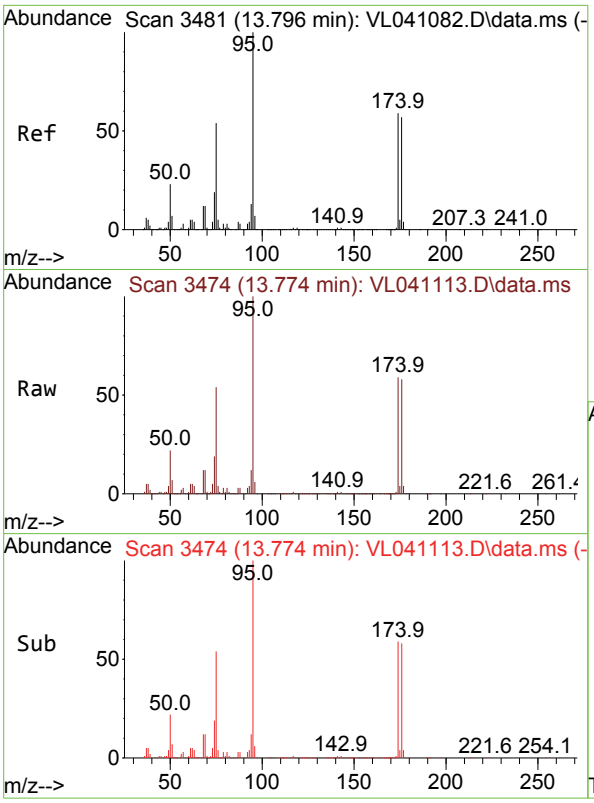


#60
o-Xylene
Concen: 0.077 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion: 91 Resp: 23233

Ion	Ratio	Lower	Upper
91	100		
106	68.2	22.4	67.3#



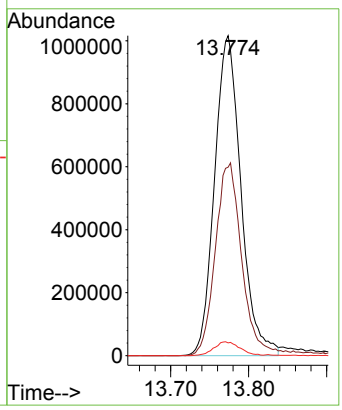


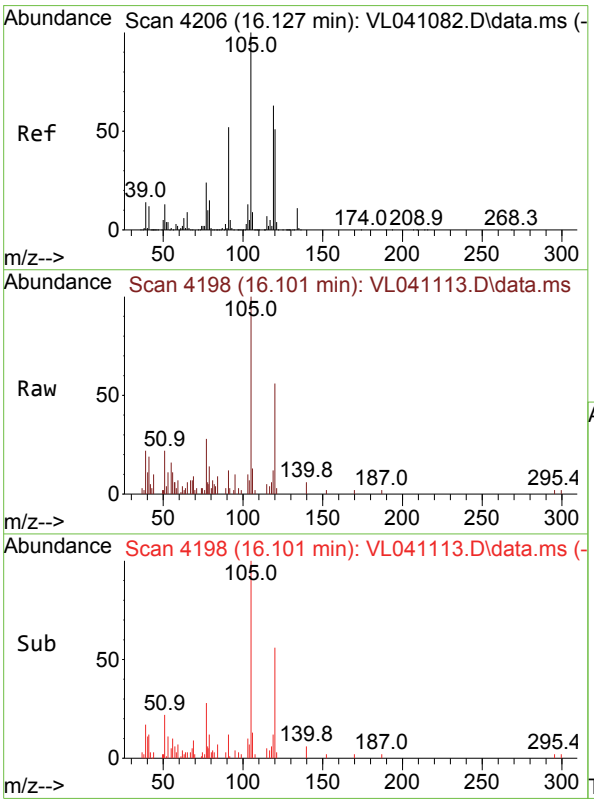
#68
1-Bromo-4-Fluorobenzene
Concen: 9.927 ppbv
RT: 13.774 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

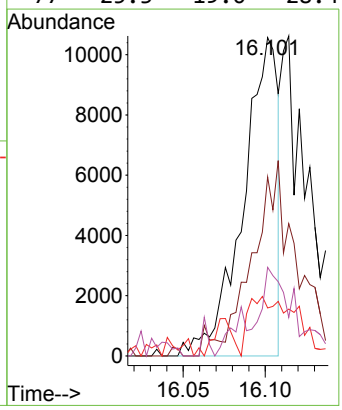
Tgt Ion: 95 Resp: 2394608

Ion	Ratio	Lower	Upper
95	100		
174	62.2	47.8	71.8
175	4.5	3.5	5.3





#74
1,2,4-Trimethylbenzene
Concen: 0.046 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. 0.003 min
Lab File: VL041113.D
Acq: 14 Mar 2024 19:01

Tgt Ion:105 Resp: 15564

Ion	Ratio	Lower	Upper
105	100		
120	54.0	40.4	60.6
91	13.2	41.4	62.0#
77	25.3	19.0	28.4