Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
Data File : VL039953.D
Acq On : 1 Dec 2022 22:16
Operator : SY/MD
Sample : N5826-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Quant Time: Dec 02 05:36:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.160	49	1000621	10.000	ppbv		-0.01
33) 1,4-Difluorobenzene	6.623	114	2854427	10.000	ppbv		-0.01
55) Chlorobenzene-d5	11.436	117	2662140	10.000	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.748	95	2013473	9.902	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.697	85	39859	0.278	ppbv		96
4) Chloromethane	2.784	50	11706	0.133	ppbv		96
9) Propene	2.665	41	13108	0.202	ppbv	#	41
10) Heptane	7.539	43	7059	0.045	ppbv	#	63
11) Trichlorofluoromethane	3.529	101	61170	0.350	ppbv		91
12) 1,1,2-Trichlorotrifluo...	4.041	101	5787	0.044	ppbv	#	50
13) Ethanol	3.214	45	37857	7.624	ppbv	#	40
15) Acetone	3.439	43	322006	2.426	ppbv		96
16) 1,3-Butadiene	2.931	39	16468	0.249	ppbv	#	15
19) Isopropyl Alcohol	3.555	45	71018	0.988	ppbv	#	36
20) Methylene Chloride	3.902	84	484957	7.542	ppbv		97
22) trans-1,2-Dichloroethene	4.417	96	2006	0.033	ppbv	#	42
23) Vinyl Acetate	4.574	43	128843	2.363	ppbv	#	1
25) Ethyl Acetate	5.172	43	1268486	5.206	ppbv	#	97
26) Hexane	5.179	57	383192	3.600	ppbv	#	59
29) Chloroform	5.237	83	66026	0.467	ppbv		96
30) Cyclohexane	6.568	84	7307	0.070	ppbv	#	1
31) cis-1,2-Dichloroethene	5.047	61	324238	3.297	ppbv		98
32) 1,1,1-Trichloroethane	5.970	97	222430	1.259	ppbv		96
34) 2-Butanone	4.767	43	51860	0.380	ppbv	#	87
36) Benzene	6.336	78	65465	0.270	ppbv		97
38) Trichloroethene	7.259	130	738294	5.444	ppbv		99
39) 1,2-Dichloropropane	6.619	63	692588	7.327	ppbv	#	26
41) Tetrahydrofuran	5.545	42	3102	0.033	ppbv	#	1
52) Tetrachloroethene	10.587	164	824981	9.089	ppbv		97
53) Toluene	9.182	91	67128	0.243	ppbv	#	19
60) o-Xylene	13.027	91	10144	0.035	ppbv	#	30
74) 1,2,4-Trimethylbenzene	16.079	105	11459	0.036	ppbv	#	60

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

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Instrument :
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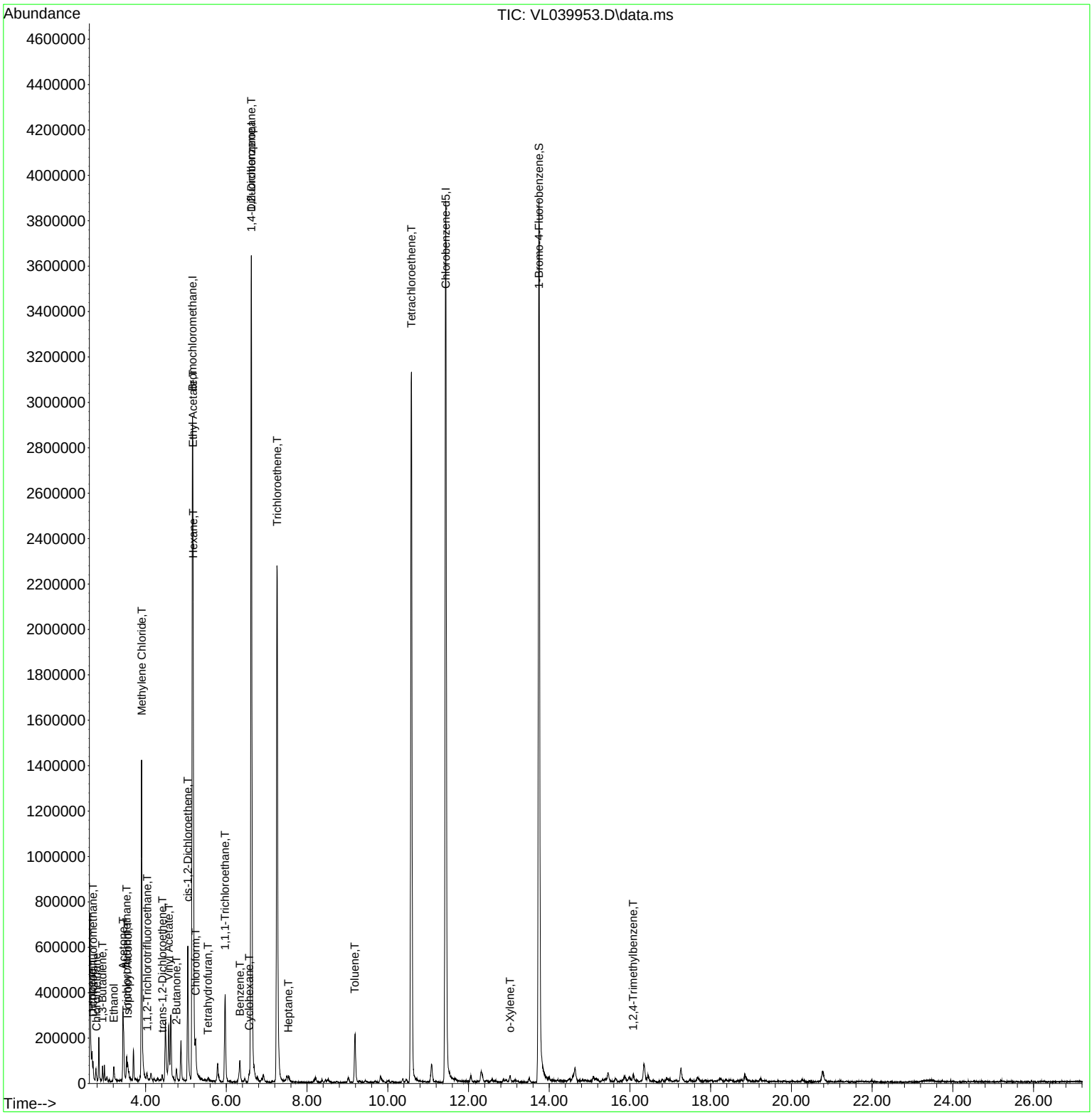
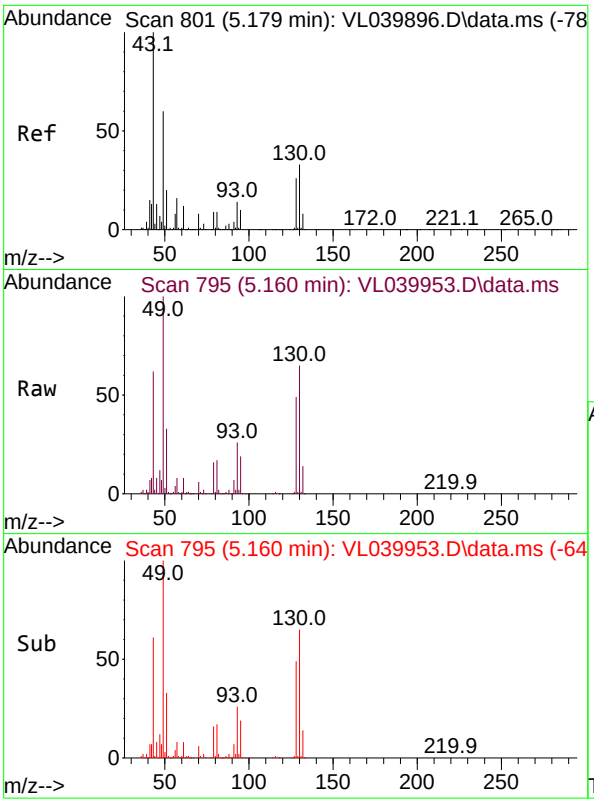
H302022-EFFLUENTDUP

Quant Time: Dec 02 05:36:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration



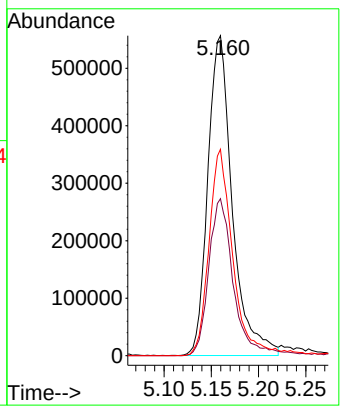


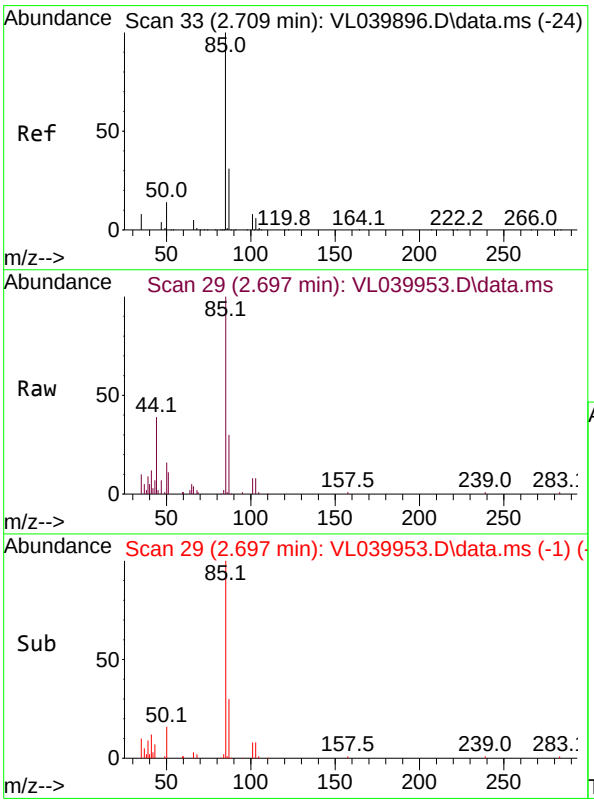
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 7
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 49 Resp: 1000621

Ion	Ratio	Lower	Upper
49	100		
128	51.0	22.1	66.3
130	64.6	27.7	83.1

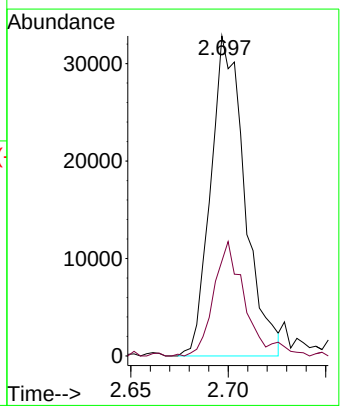


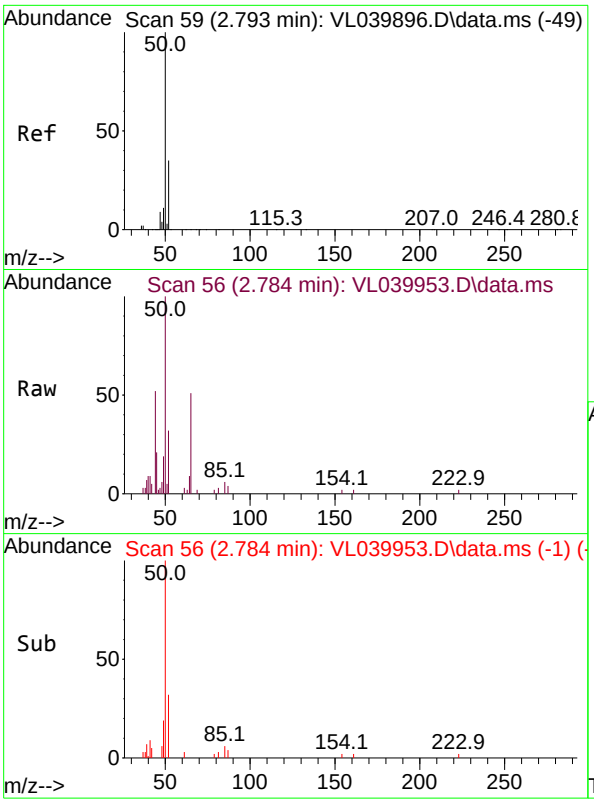


#2
Dichlorodifluoromethane
Concen: 0.278 ppbv
RT: 2.697 min Scan# 29
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 85 Resp: 39859

Ion	Ratio	Lower	Upper
85	100		
87	29.1	25.0	37.4



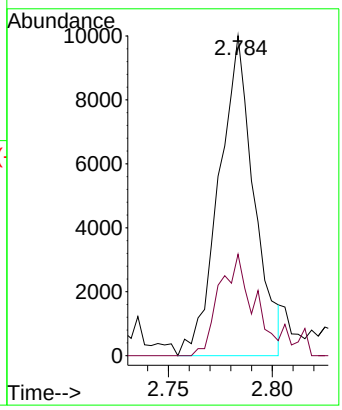


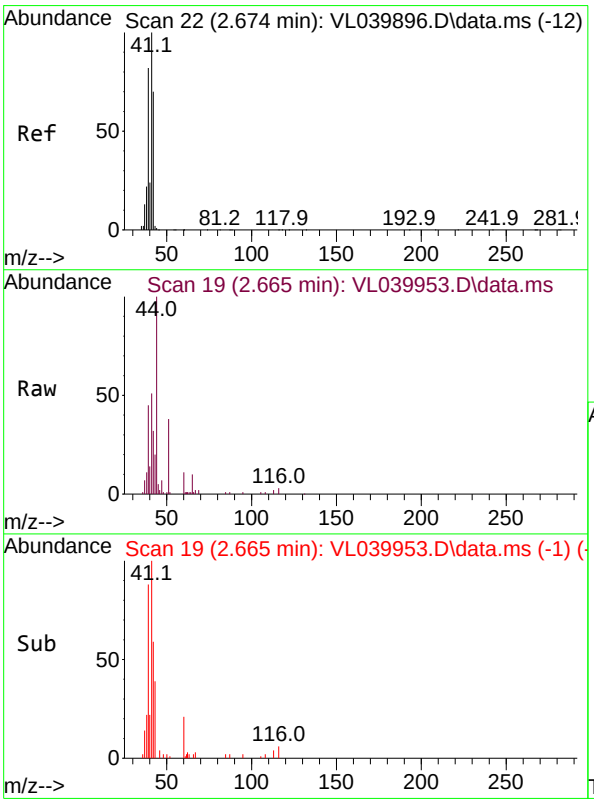
#4
Chloromethane
Concen: 0.133 ppbv
RT: 2.784 min Scan# 5
Delta R.T. -0.006 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 50 Resp: 11706

Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.8	41.8

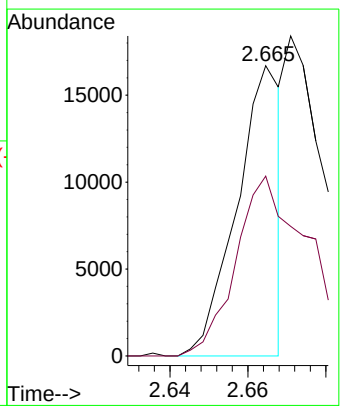


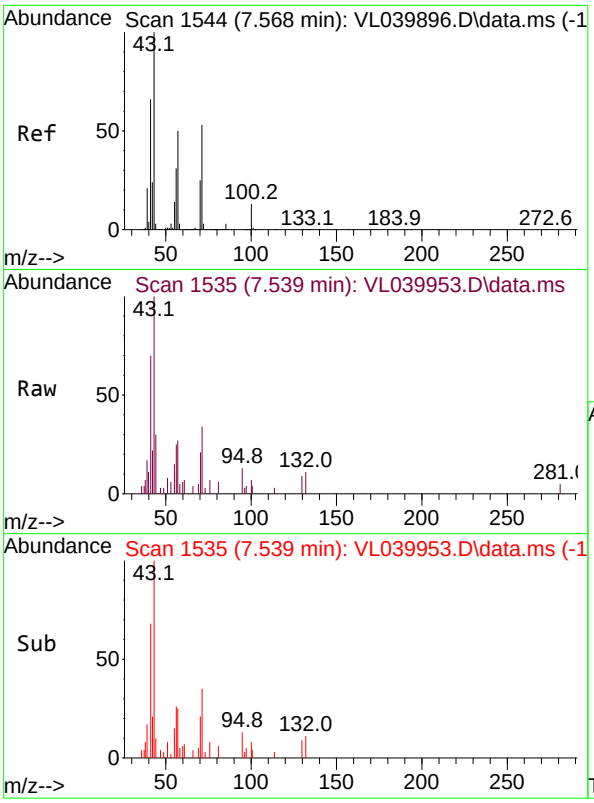


#9
Propene
Concen: 0.202 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 41 Resp: 13108

Ion	Ratio	Lower	Upper
41	100		
42	117.9	55.8	83.6#



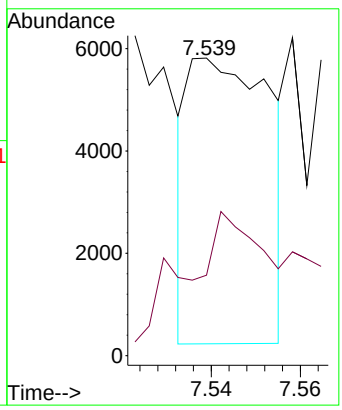


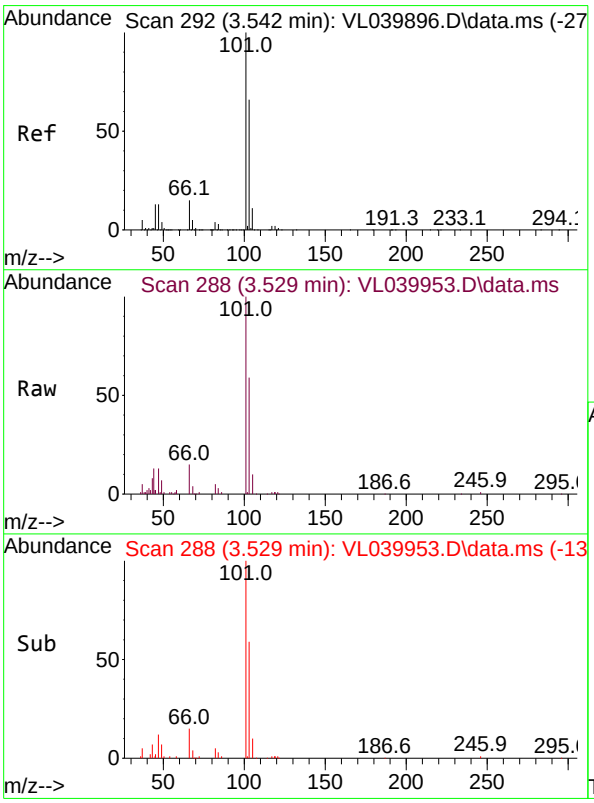
#10
Heptane
Concen: 0.045 ppbv
RT: 7.539 min Scan# 1
Delta R.T. -0.026 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 43 Resp: 7059

Ion	Ratio	Lower	Upper
43	100		
57	76.3	40.7	61.1#

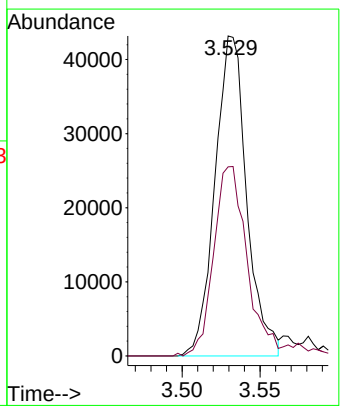


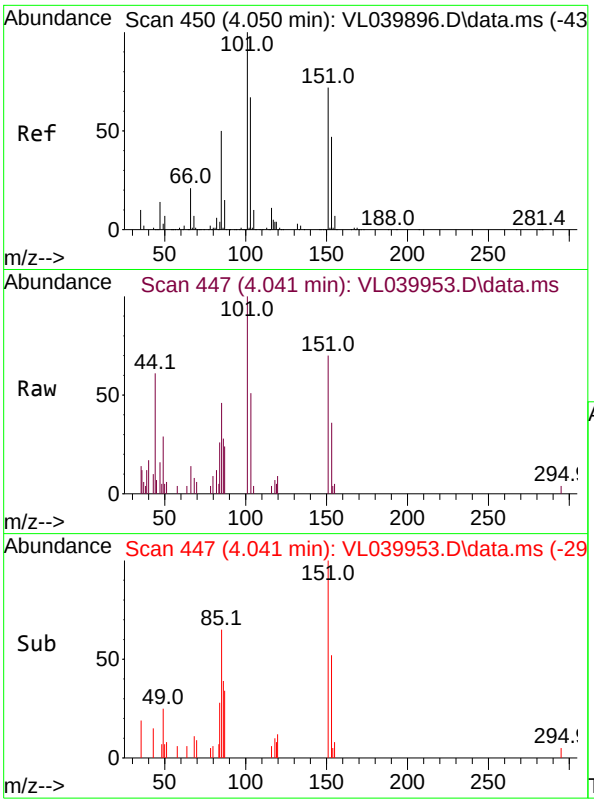


#11
Trichlorofluoromethane
Concen: 0.350 ppbv
RT: 3.529 min Scan# 288
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion:101 Resp: 61170

Ion	Ratio	Lower	Upper
101	100		
103	58.2	52.6	78.8



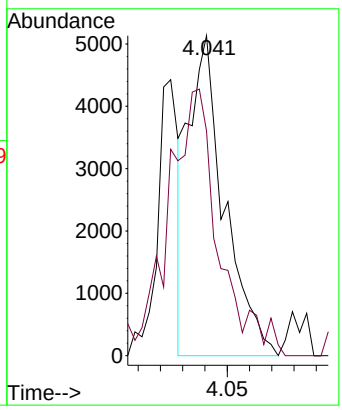


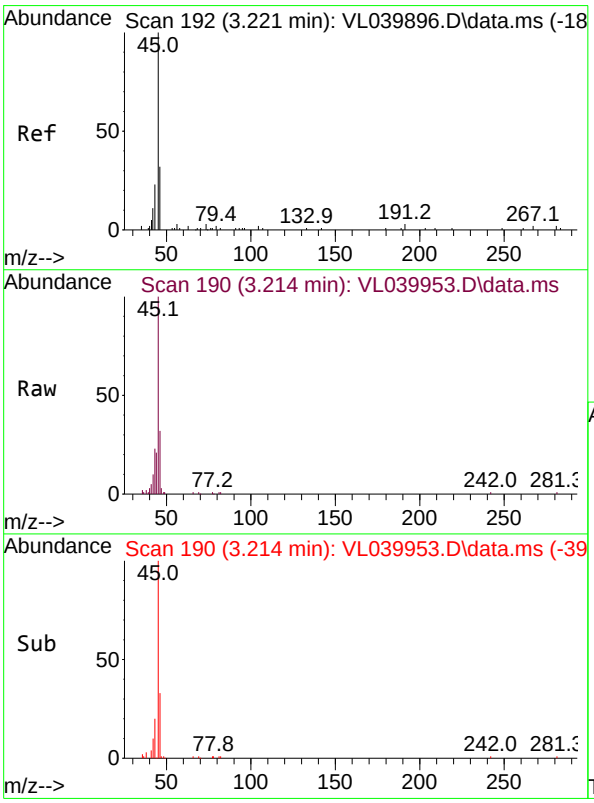
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.044 ppbv
RT: 4.041 min Scan# 44
Delta R.T. -0.006 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion:101 Resp: 5787

Ion	Ratio	Lower	Upper
101	100		
151	117.1	59.6	89.4#

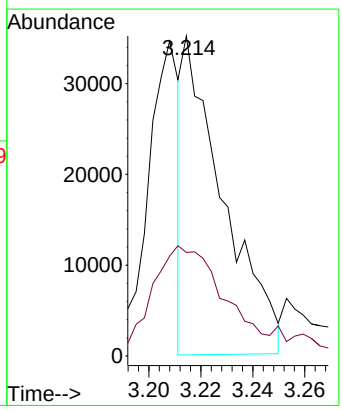


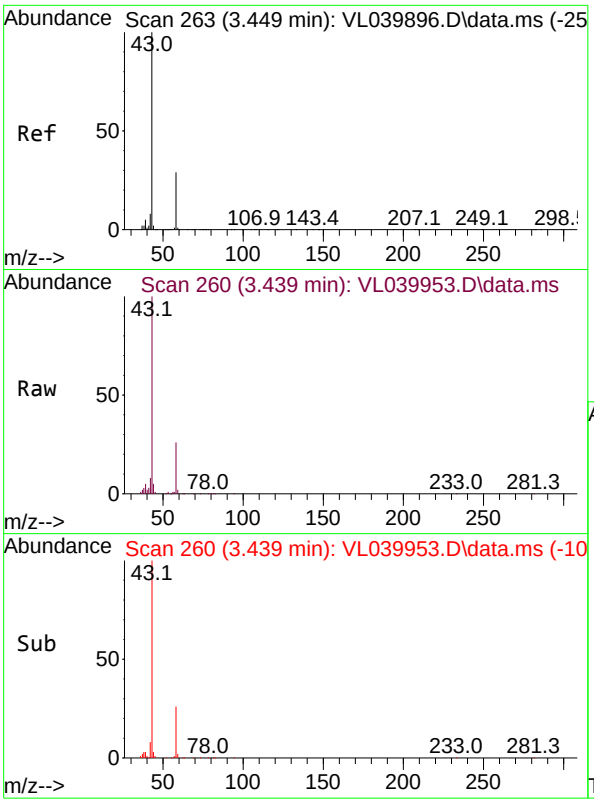


#13
Ethanol
Concen: 7.624 ppbv
RT: 3.214 min Scan# 190
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 45 Resp: 37857

Ion	Ratio	Lower	Upper
45	100		
46	71.8	14.6	58.2#



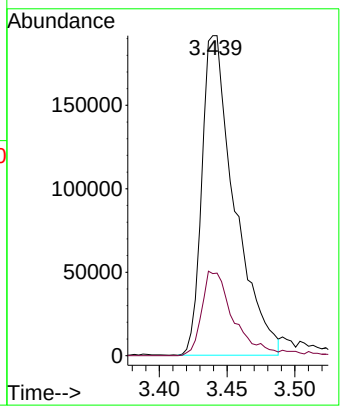


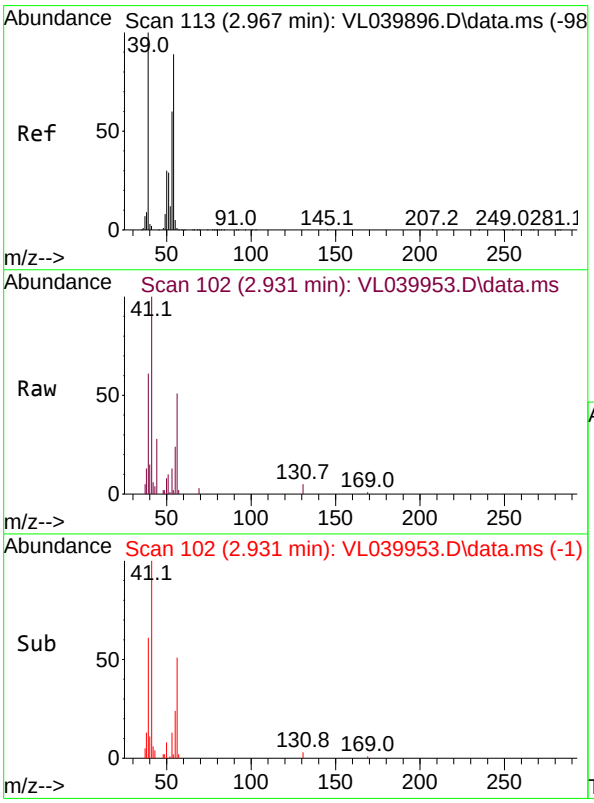
#15
Acetone
Concen: 2.426 ppbv
RT: 3.439 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 43 Resp: 322006

Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.9	34.3

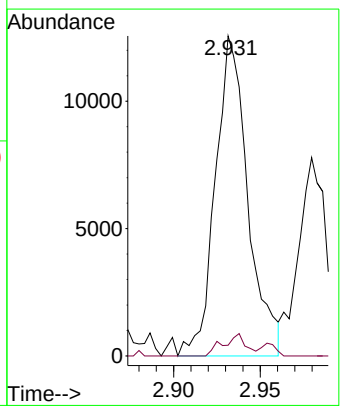


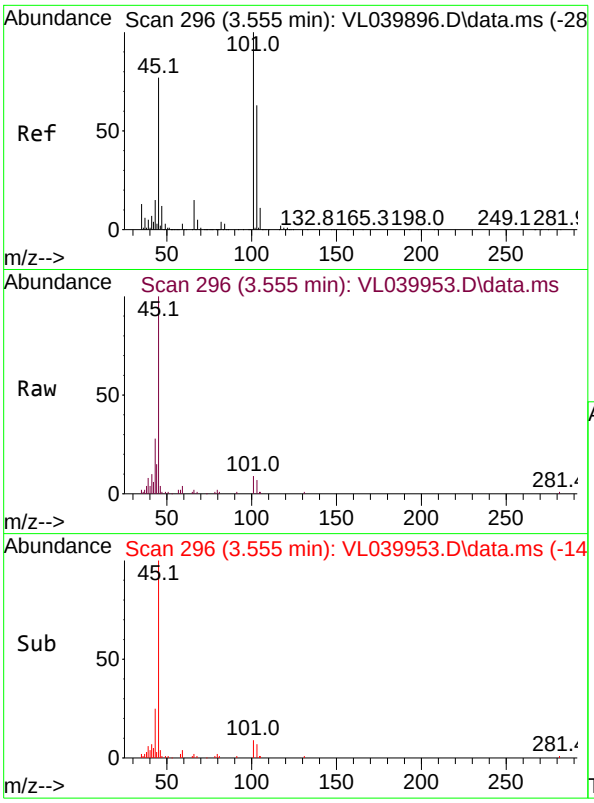


#16
1,3-Butadiene
Concen: 0.249 ppbv
RT: 2.931 min Scan# 102
Delta R.T. -0.032 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 39 Resp: 16468

Ion	Ratio	Lower	Upper
39	100		
54	6.5	66.6	99.8#



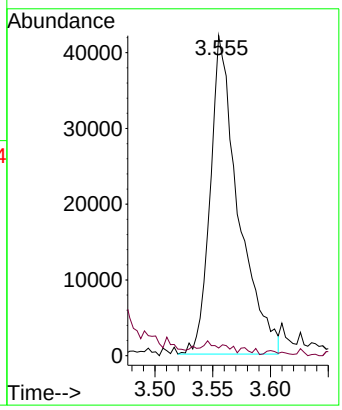


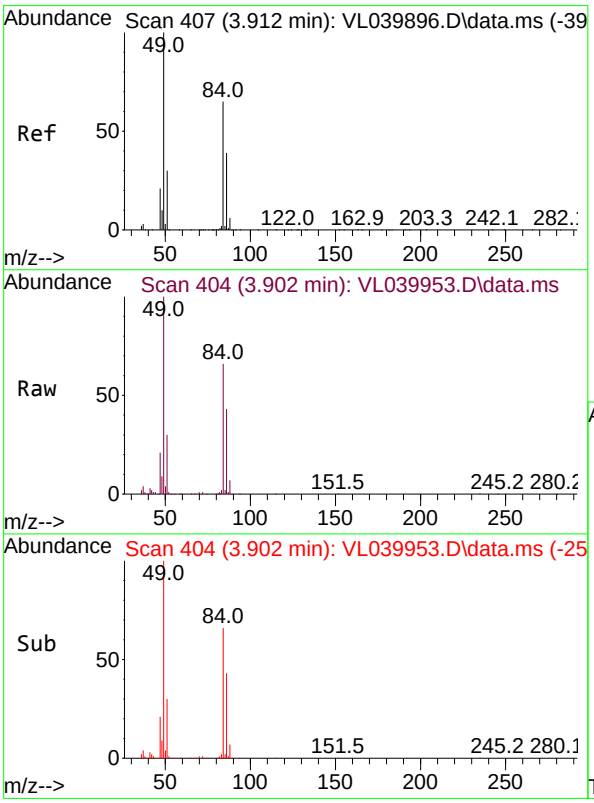
#19
Isopropyl Alcohol
Concen: 0.988 ppbv
RT: 3.555 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 45 Resp: 71018

Ion	Ratio	Lower	Upper
45	100		
58	4.9	38.7	58.1#

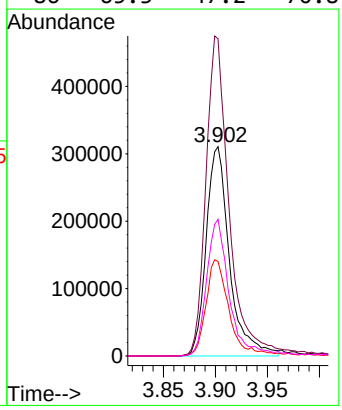


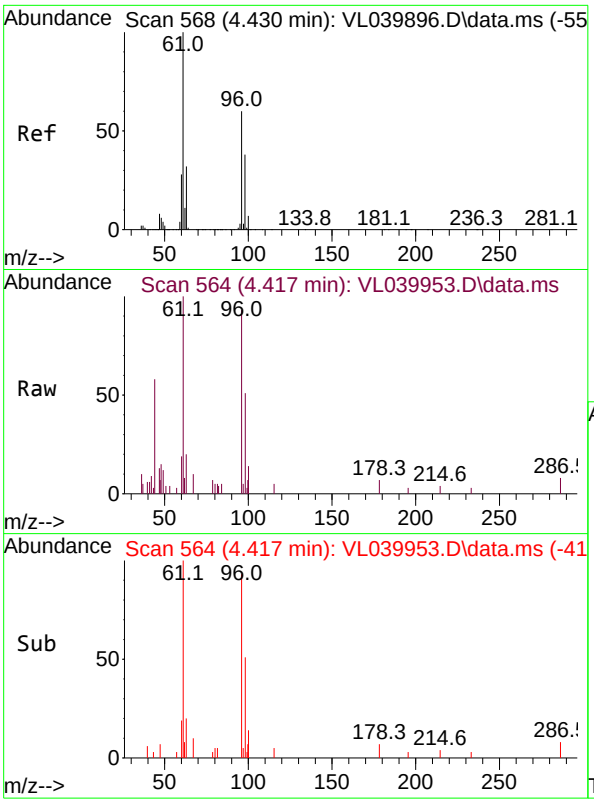


#20
Methylene Chloride
Concen: 7.542 ppbv
RT: 3.902 min Scan# 404
Delta R.T. -0.010 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 84 Resp: 484957

Ion	Ratio	Lower	Upper
84	100		
49	151.5	122.2	183.4
51	45.2	36.3	54.5
86	65.3	47.2	70.8



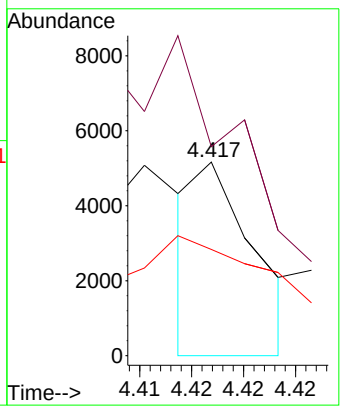


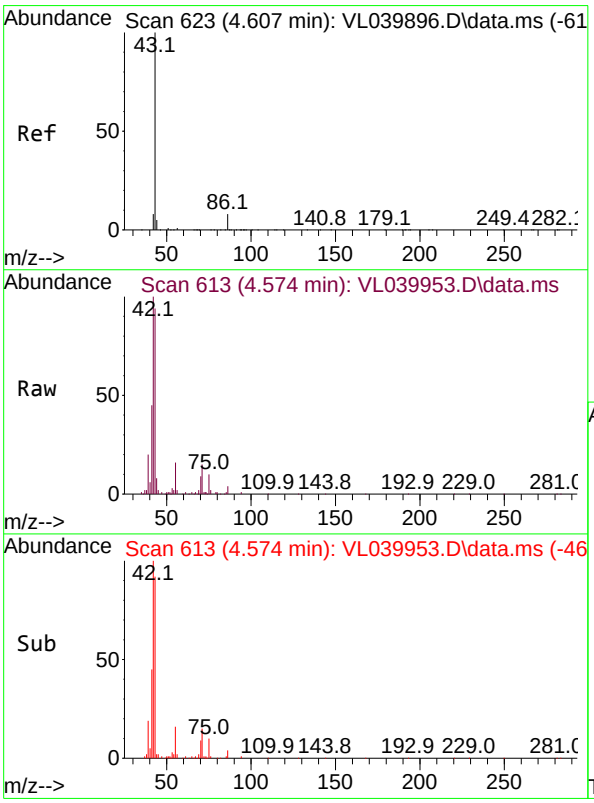
#22
trans-1,2-Dichloroethene
Concen: 0.033 ppbv
RT: 4.417 min Scan# 5
Delta R.T. -0.010 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 96 Resp: 2006

Ion	Ratio	Lower	Upper
96	100		
61	87.1	134.1	201.1#
98	20.0	50.4	75.6#

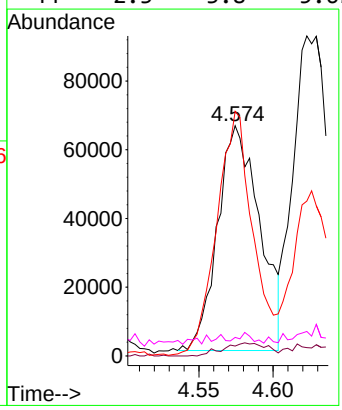


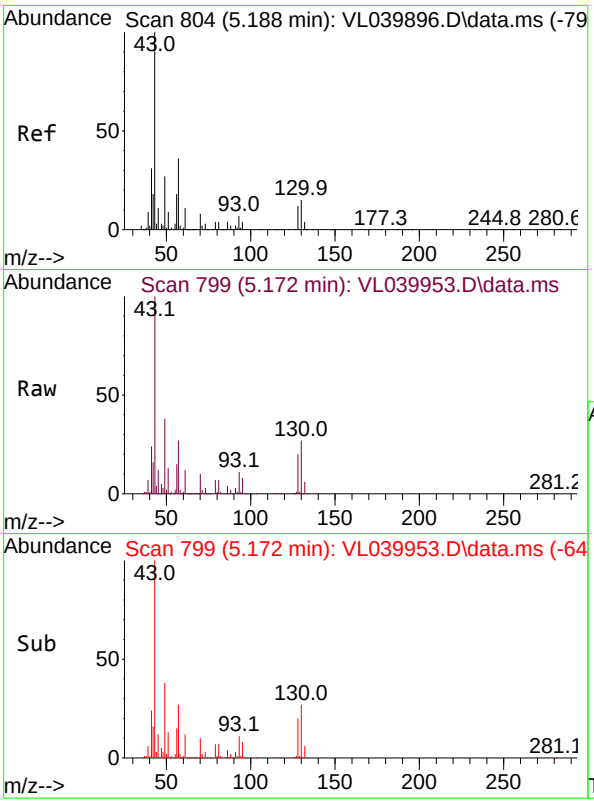


#23
Vinyl Acetate
Concen: 2.363 ppbv
RT: 4.574 min Scan# 613
Delta R.T. -0.032 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 43 Resp: 128843

Ion	Ratio	Lower	Upper
43	100		
86	4.4	5.0	7.4#
42	107.9	7.6	11.4#
44	2.3	3.8	5.6#



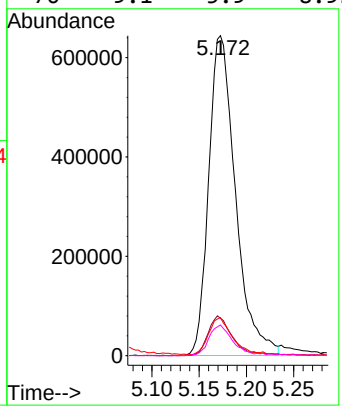


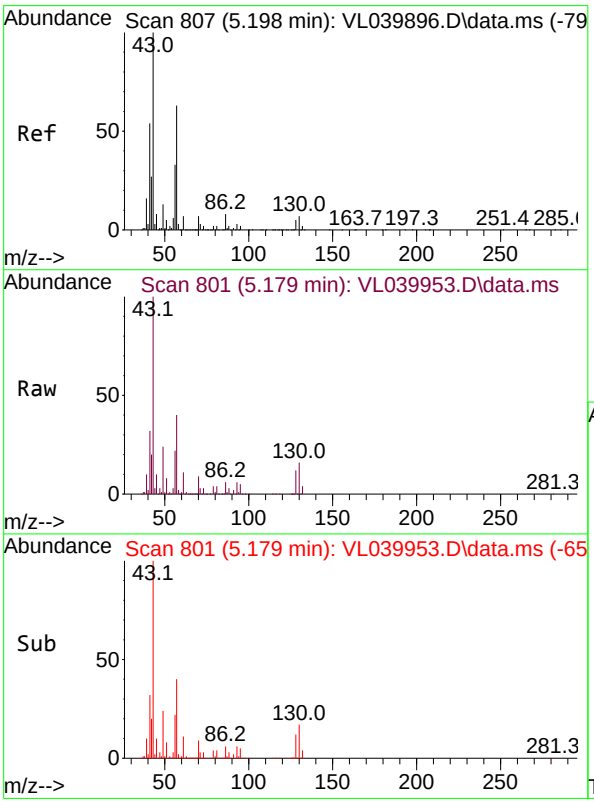
#25
Ethyl Acetate
Concen: 5.206 ppbv
RT: 5.172 min Scan# 7
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 43 Resp: 1268486

Ion	Ratio	Lower	Upper
43	100		
45	11.9	8.4	12.6
61	11.0	8.5	12.7
70	9.1	5.9	8.9#

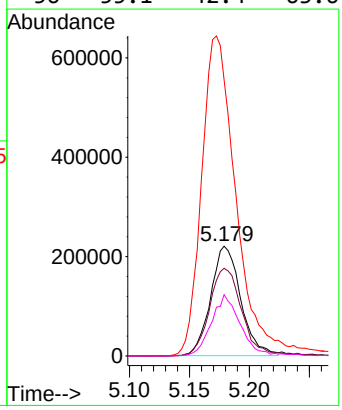


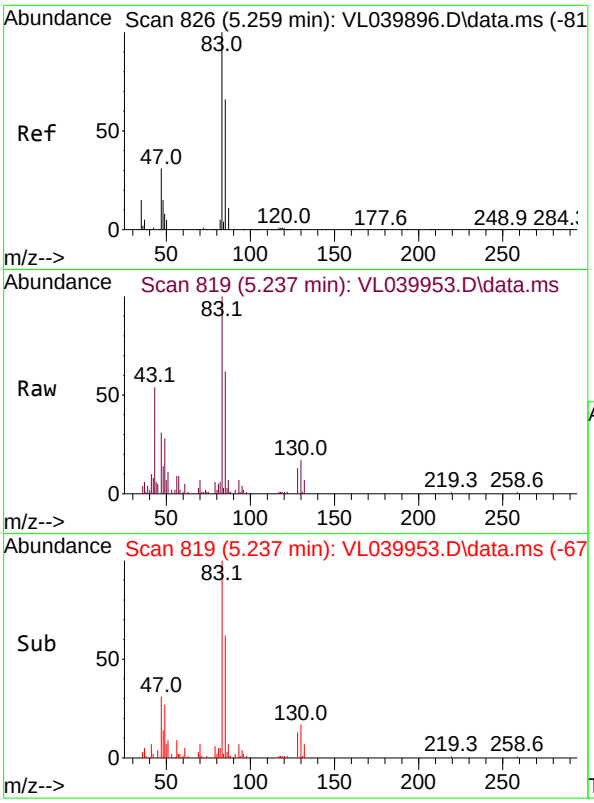


#26
Hexane
Concen: 3.600 ppbv
RT: 5.179 min Scan# 801
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 57 Resp: 383192

Ion	Ratio	Lower	Upper
57	100		
41	88.1	72.3	108.5
43	344.4	188.7	283.1#
56	55.1	42.4	63.6



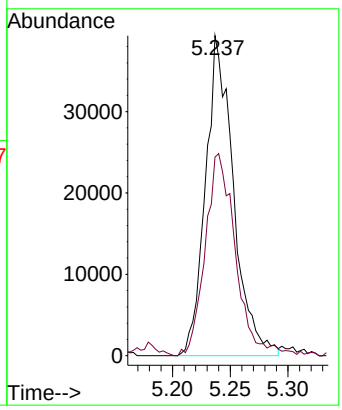


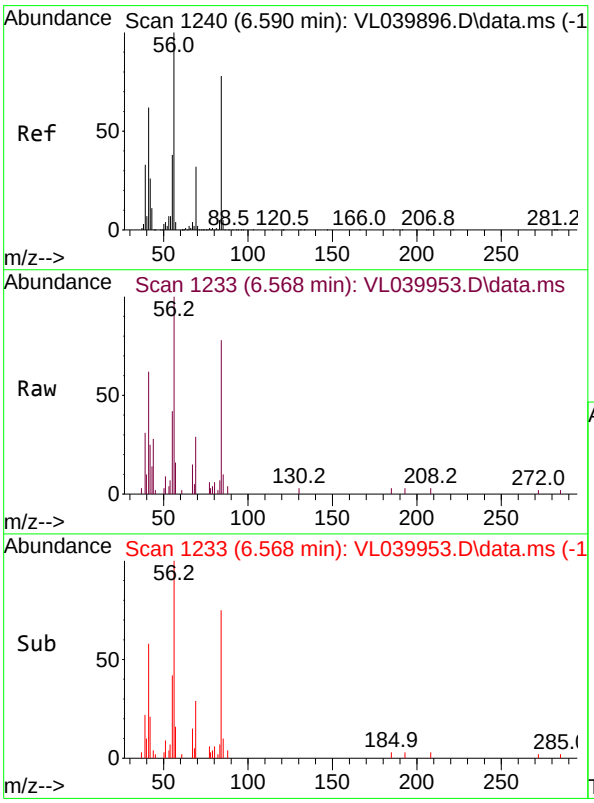
#29
Chloroform
Concen: 0.467 ppbv
RT: 5.237 min Scan# 8
Delta R.T. -0.019 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 83 Resp: 66026

Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.4	78.6

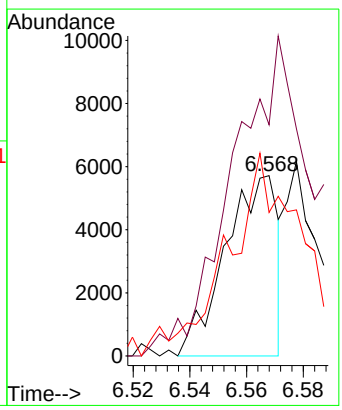


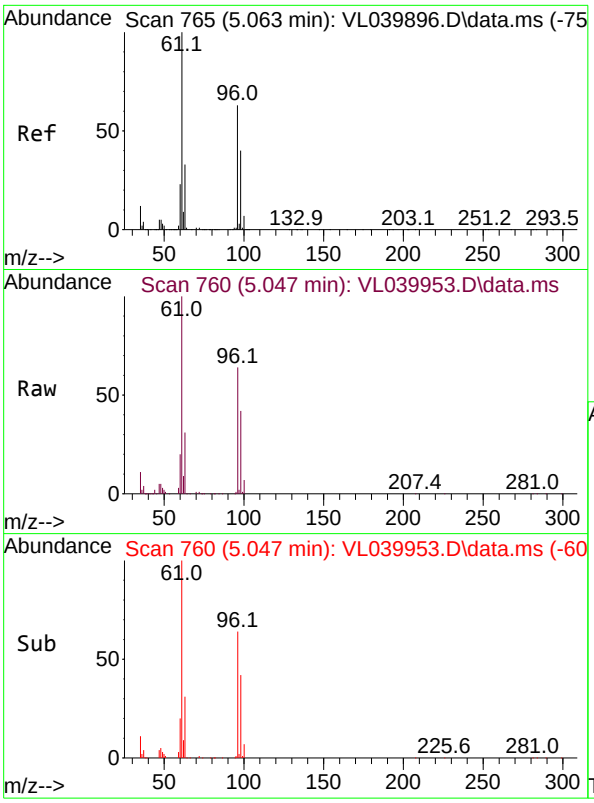


#30
Cyclohexane
Concen: 0.070 ppbv
RT: 6.568 min Scan# 1233
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 84 Resp: 7307

Ion	Ratio	Lower	Upper
84	100		
56	264.0	112.5	168.7#
41	180.5	67.8	101.8#



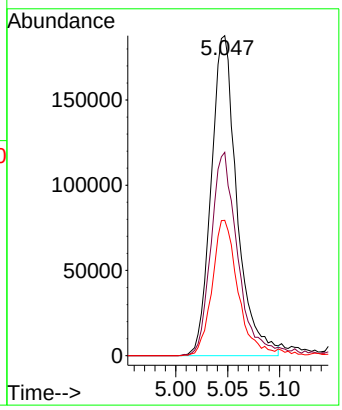


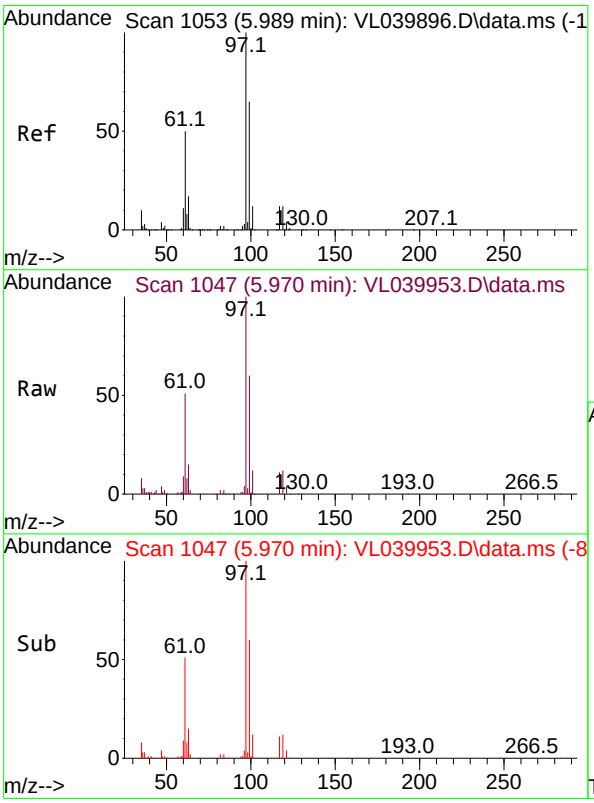
#31
cis-1,2-Dichloroethene
Concen: 3.297 ppbv
RT: 5.047 min Scan# 7
Delta R.T. -0.010 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 61 Resp: 324238

Ion	Ratio	Lower	Upper
61	100		
96	63.6	50.3	75.5
98	42.3	32.2	48.2

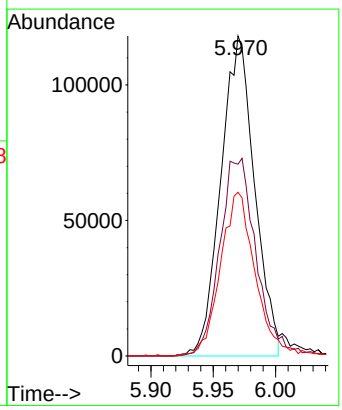


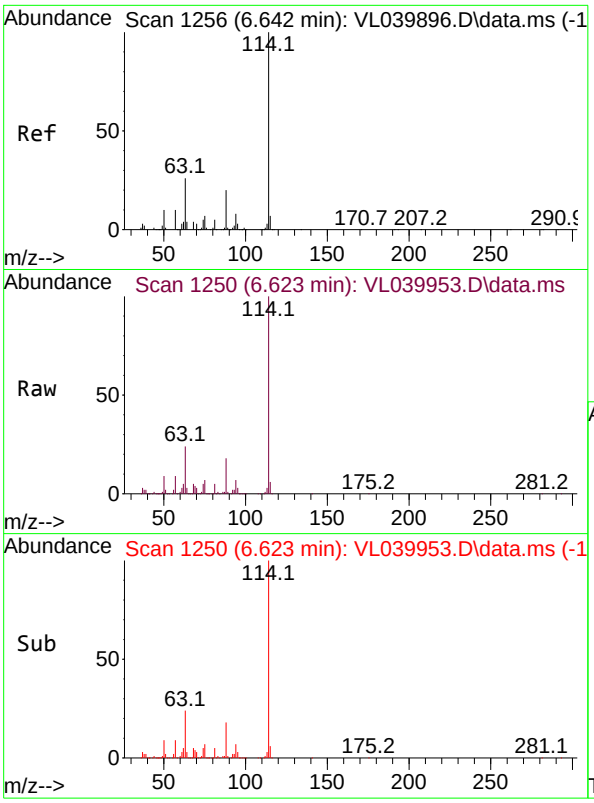


#32
1,1,1-Trichloroethane
Concen: 1.259 ppbv
RT: 5.970 min Scan# 1047
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 97 Resp: 222430

Ion	Ratio	Lower	Upper
97	100		
99	67.4	51.4	77.0
61	53.4	40.7	61.1



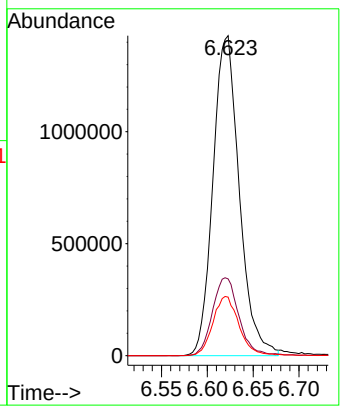


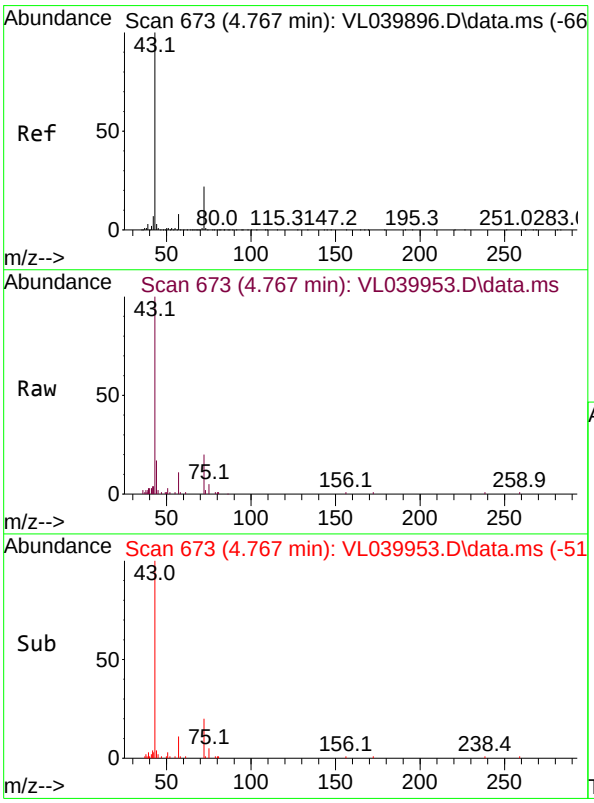
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.623 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion:114 Resp: 2854427

Ion	Ratio	Lower	Upper
114	100		
63	24.6	21.4	32.0
88	18.6	15.3	22.9

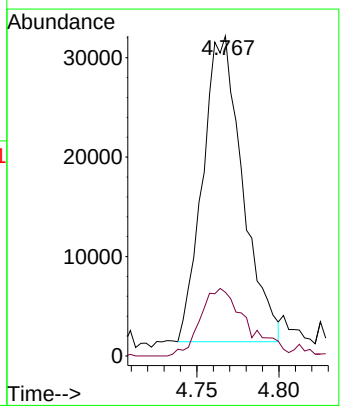


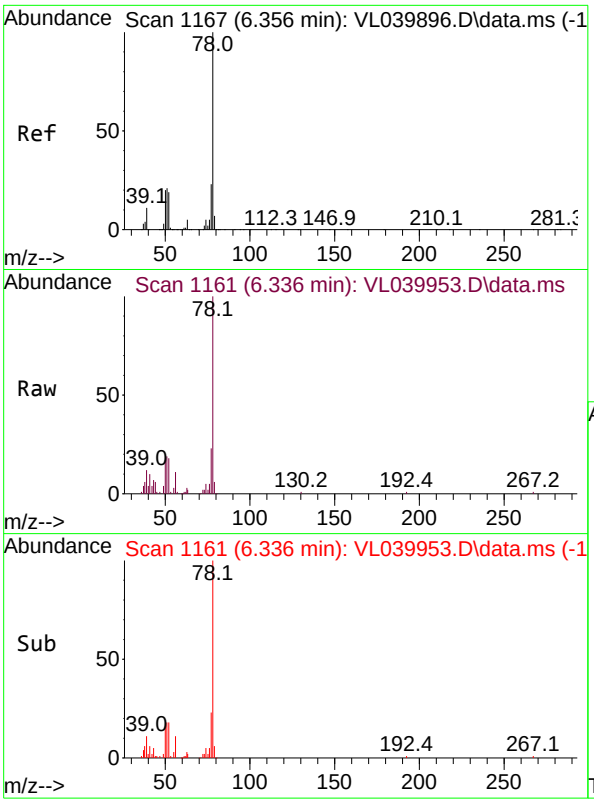


#34
2-Butanone
Concen: 0.380 ppbv
RT: 4.767 min Scan# 673
Delta R.T. -0.000 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 43 Resp: 51860

Ion	Ratio	Lower	Upper
43	100		
72	28.1	17.4	26.2#



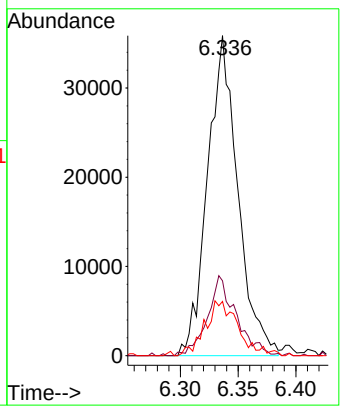


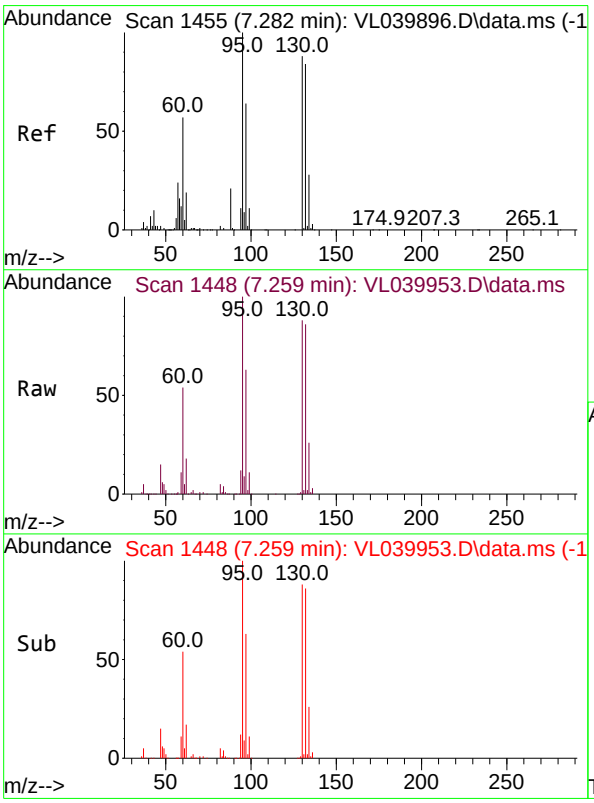
#36
Benzene
Concen: 0.270 ppbv
RT: 6.336 min Scan# 1
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 78 Resp: 65465

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2
50	17.0	15.8	23.8

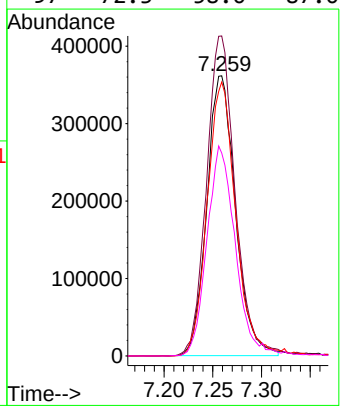


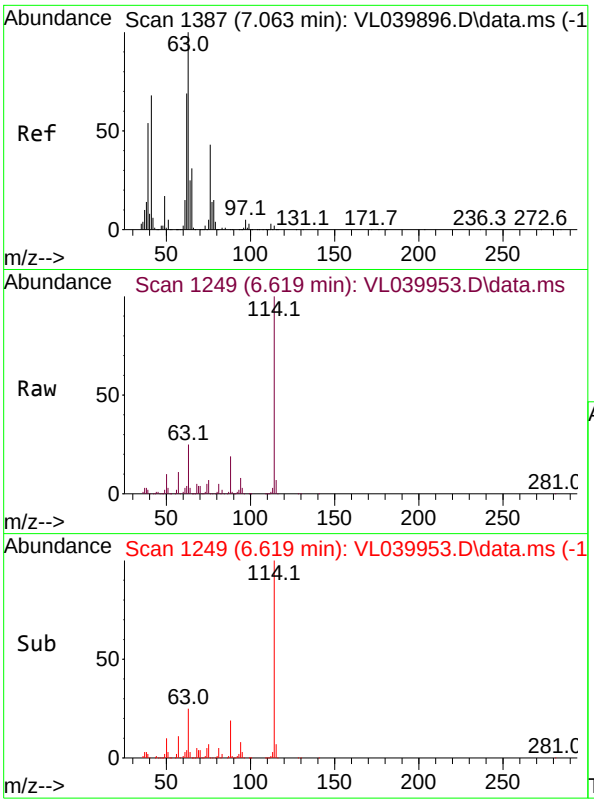


#38
Trichloroethene
Concen: 5.444 ppbv
RT: 7.259 min Scan# 1448
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion:130 Resp: 738294

Ion	Ratio	Lower	Upper
130	100		
95	113.9	90.6	135.8
132	97.8	76.2	114.4
97	72.3	58.0	87.0



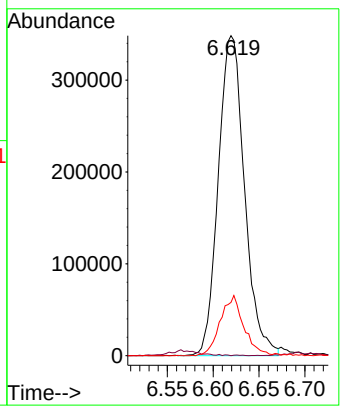


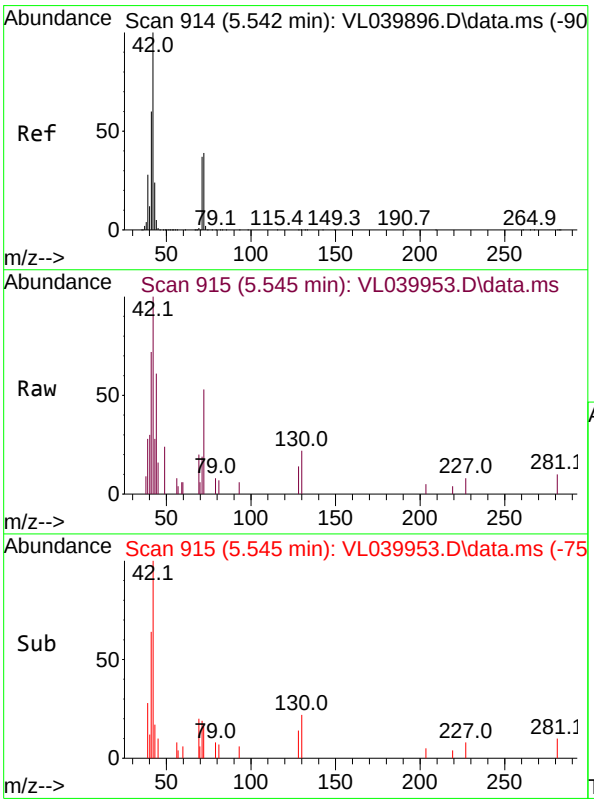
#39
1,2-Dichloropropane
Concen: 7.327 ppbv
RT: 6.619 min Scan# 1
Delta R.T. -0.437 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 63 Resp: 692588

Ion	Ratio	Lower	Upper
63	100		
41	0.0	54.7	82.1#
62	16.6	55.0	82.6#

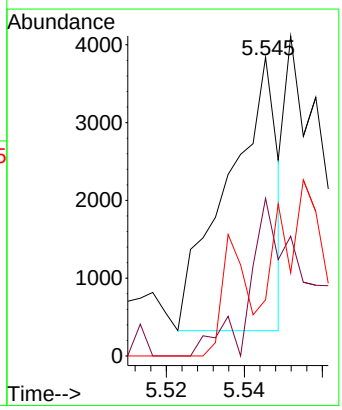


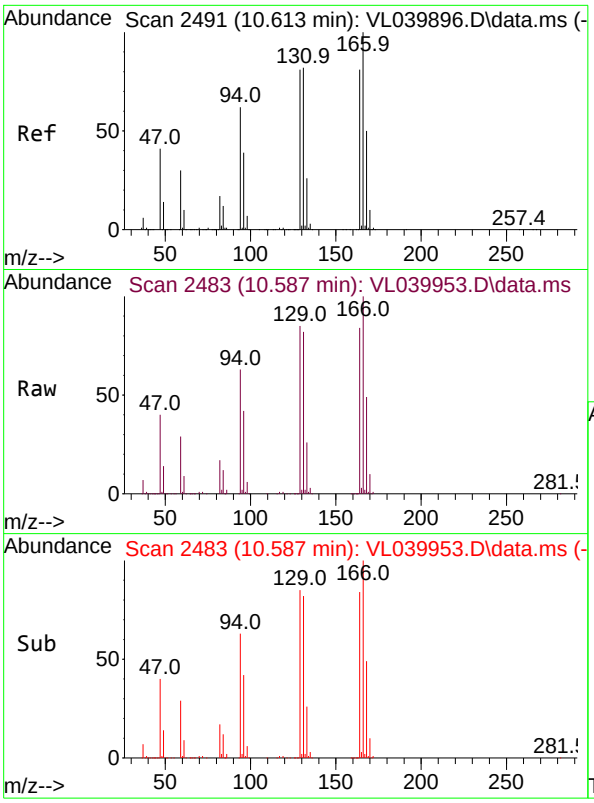


#41
Tetrahydrofuran
Concen: 0.033 ppbv
RT: 5.545 min Scan# 915
Delta R.T. 0.006 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 42 Resp: 3102

Ion	Ratio	Lower	Upper
42	100		
72	96.1	31.6	47.4#
71	107.2	31.2	46.8#



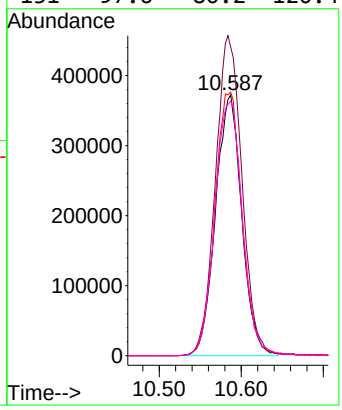


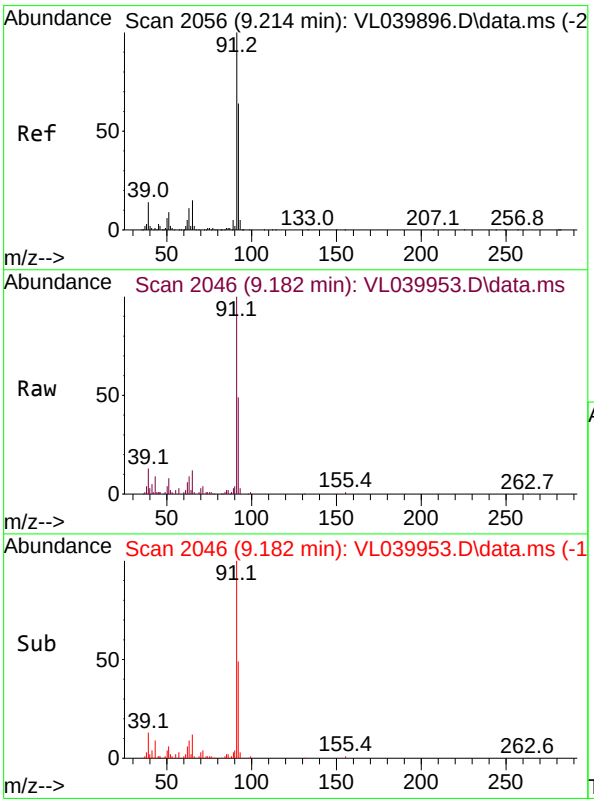
#52
Tetrachloroethene
Concen: 9.089 ppbv
RT: 10.587 min Scan# 24
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion:164 Resp: 824981

Ion	Ratio	Lower	Upper
164	100		
166	118.4	98.3	147.5
129	101.1	79.7	119.5
131	97.6	80.2	120.4

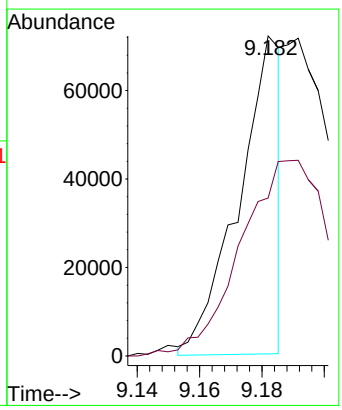


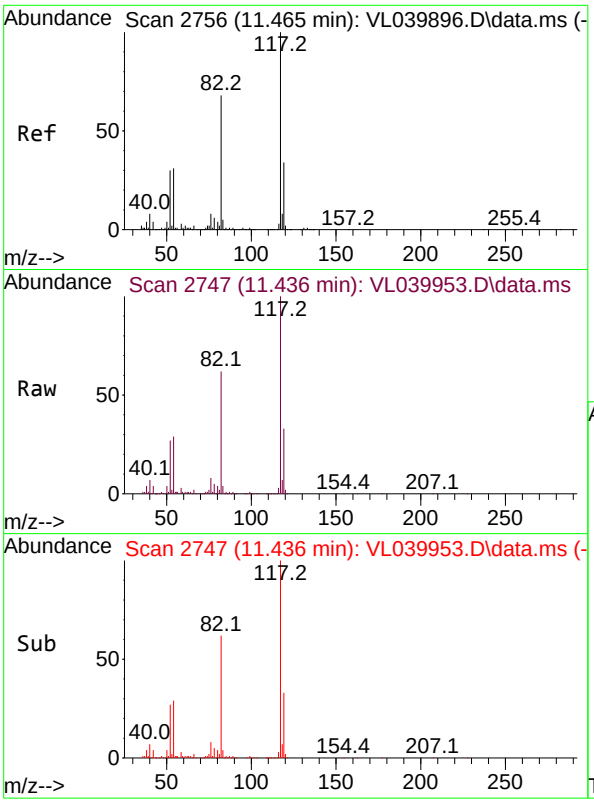


#53
Toluene
Concen: 0.243 ppbv
RT: 9.182 min Scan# 2046
Delta R.T. -0.023 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 91 Resp: 67128

Ion	Ratio	Lower	Upper
91	100		
92	0.0	49.8	74.6#



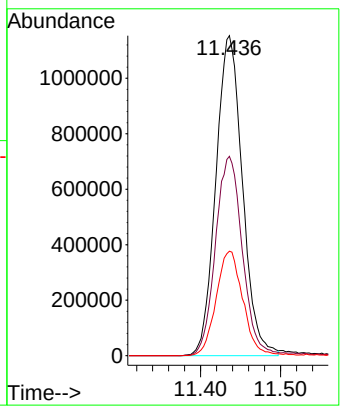


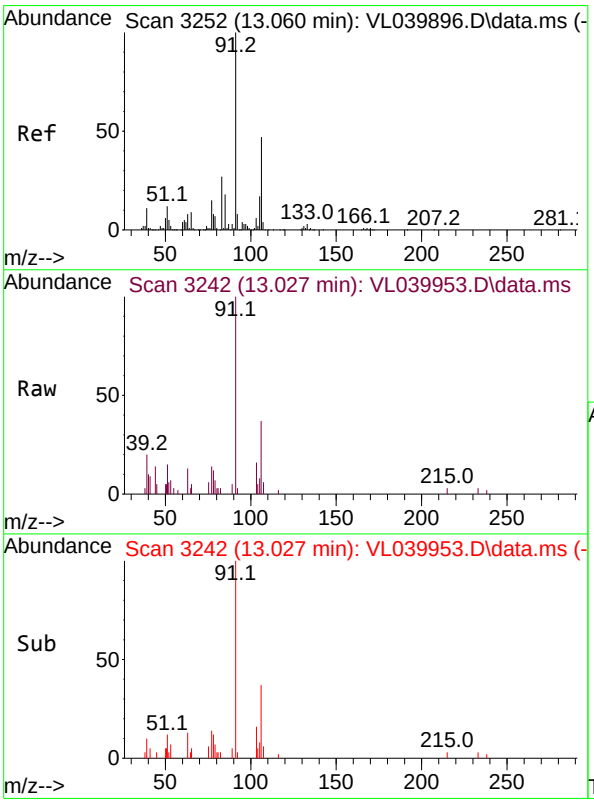
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion:117 Resp: 2662140

Ion	Ratio	Lower	Upper
117	100		
82	64.1	52.3	78.5
119	33.3	25.7	38.5

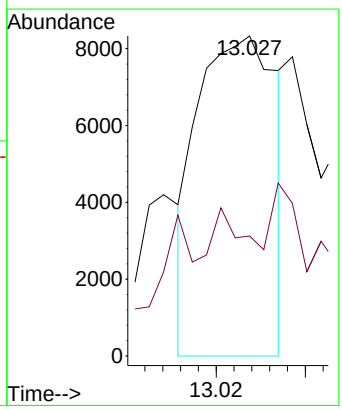


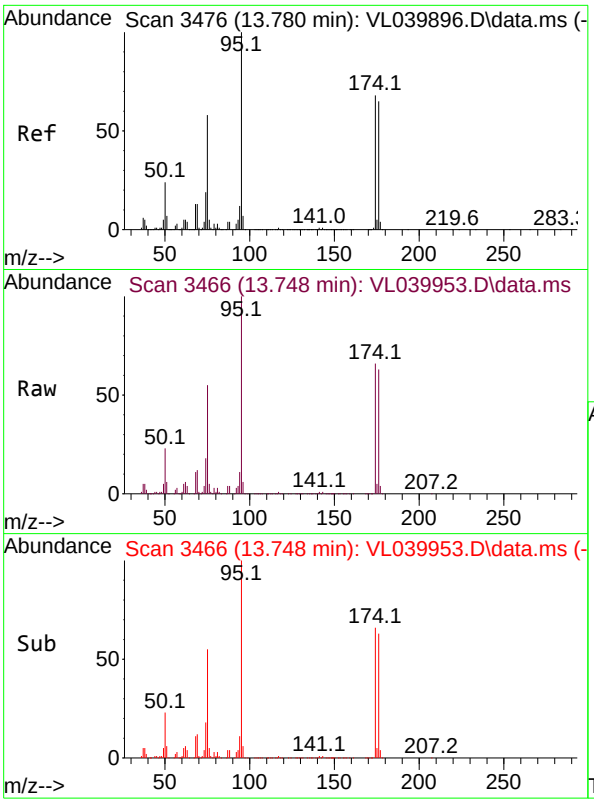


#60
o-Xylene
Concen: 0.035 ppbv
RT: 13.027 min Scan# 3242
Delta R.T. -0.019 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 91 Resp: 10144

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.2	69.6#



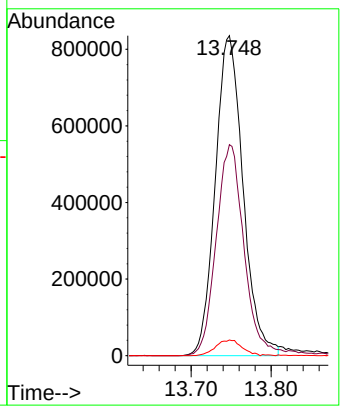


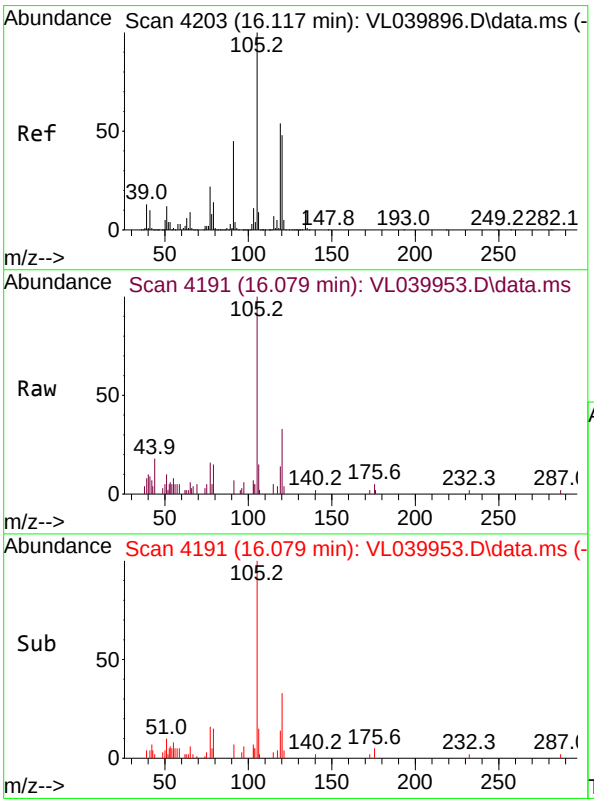
#68
1-Bromo-4-Fluorobenzene
Concen: 9.902 ppbv
RT: 13.748 min Scan# 34
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 95 Resp: 2013473

Ion	Ratio	Lower	Upper
95	100		
174	66.7	53.7	80.5
175	4.8	4.0	6.0





#74
1,2,4-Trimethylbenzene
Concen: 0.036 ppbv
RT: 16.079 min Scan# 4191
Delta R.T. -0.019 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion:105 Resp: 11459

Ion	Ratio	Lower	Upper
105	100		
120	30.4	38.7	58.1#
91	2.1	36.4	54.6#
77	14.2	17.4	26.0#