Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060623\
Data File : VX036045.D
Acq On : 06 Jun 2023 20:05
Operator : JC/MD
Sample : 02992-01 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
F6C08

Quant Time: Jun 07 05:58:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM060623WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 07 05:37:48 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	313620	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	284830	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	129791	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	93716	43.982	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.960%			
7) Chloroethane-d5	1.673	69	75752	46.355	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.720%			
11) 1,1-Dichloroethene-d2	2.307	65	46784	43.305	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.600%			
21) 2-Butanone-d5	4.471	46	166426	95.290	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 95.290%			
24) Chloroform-d	5.056	84	195291	43.953	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.900%			
26) 1,2-Dichloroethane-d4	5.958	65	146266	45.113	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.220%			
32) Benzene-d6	5.971	84	413981	48.315	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.640%			
36) 1,2-Dichloropropane-d6	7.306	67	130180	48.880	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.760%			
41) Toluene-d8	8.647	98	367845	46.644	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.280%			
43) trans-1,3-Dichloroprop...	8.952	79	52044	40.710	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.420%			
47) 2-Hexanone-d5	9.385	63	114431	96.492	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.490%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	167539	46.056	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.120%			
66) 1,2-Dichlorobenzene-d4	12.317	152	122541	48.629	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.260%			
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	2422	0.929	ug/L #	31
20) cis-1,2-Dichloroethene	4.489	96	98419	38.417	ug/L	98
29) Cyclohexane	5.471	56	158978	40.185	ug/L	99
33) Benzene	6.038	78	343002	36.146	ug/L	100
34) Trichloroethene	7.123	95	150333	58.821	ug/L	91
35) Methylcyclohexane	7.379	83	69331	18.479	ug/L	100
46) Tetrachloroethene	9.275	164	23627	13.220	ug/L	97
52) Ethylbenzene	10.195	91	84103	7.399	ug/L	99
53) m,p-Xylene	10.299	106	96393	22.361	ug/L	99
54) o-Xylene	10.640	106	16032	3.805	ug/L	100
60) Isopropylbenzene	10.964	105	12357	1.244	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	18975	2.296	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	44444	5.812	ug/L	100

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

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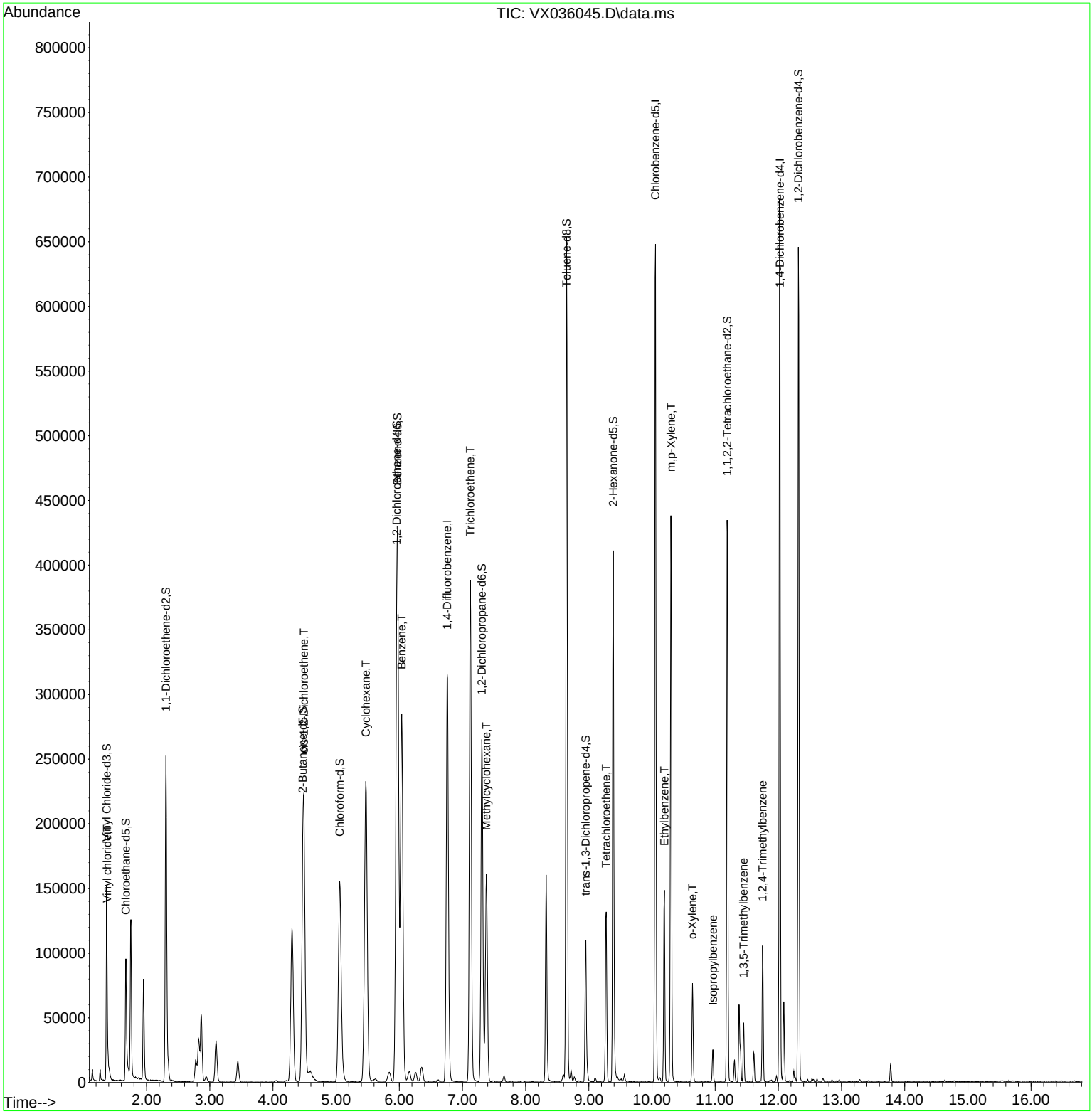
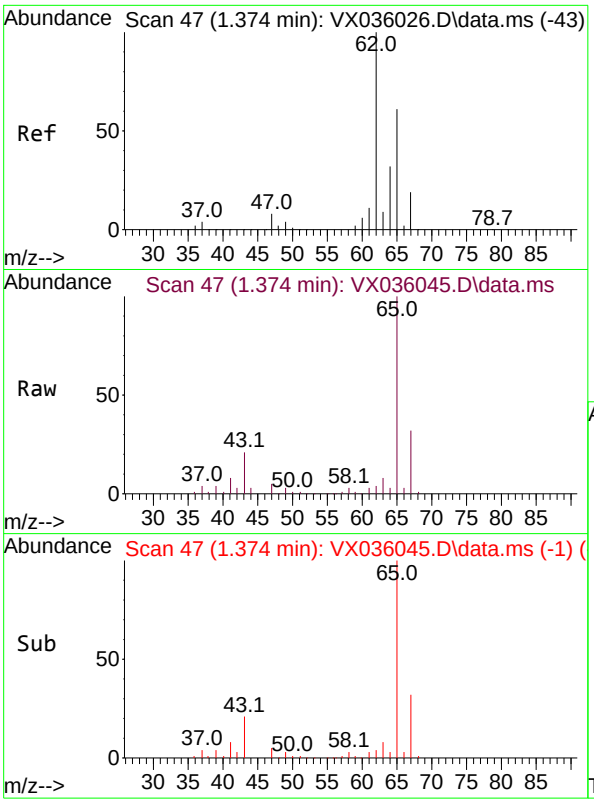


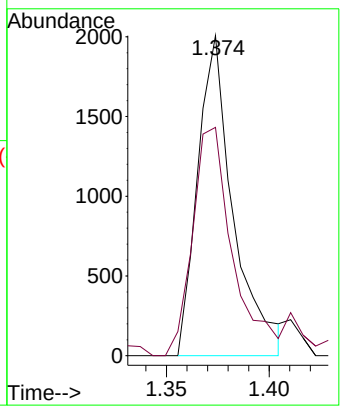


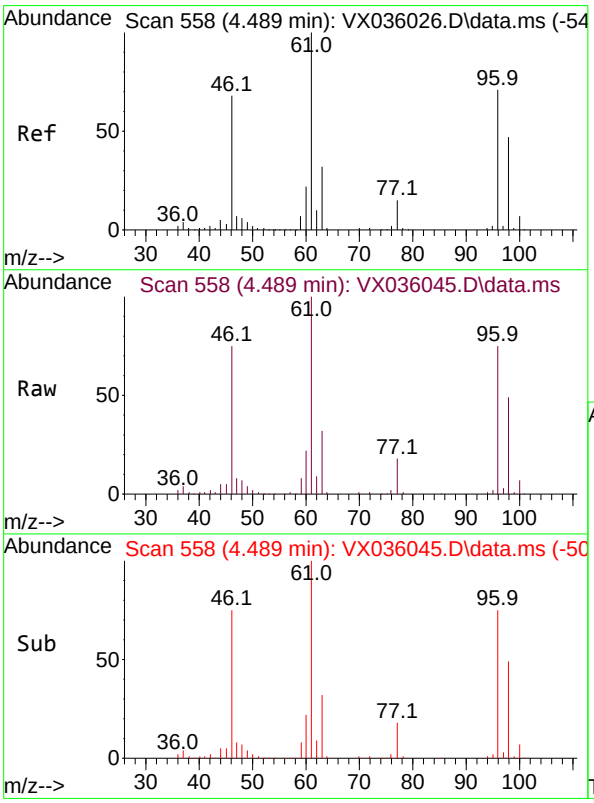
#5
Vinyl chloride
Concen: 0.929 ug/L
RT: 1.374 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
F6C08

Tgt Ion: 62 Resp: 2422

Ion	Ratio	Lower	Upper
62	100		
64	71.4	22.7	42.1#

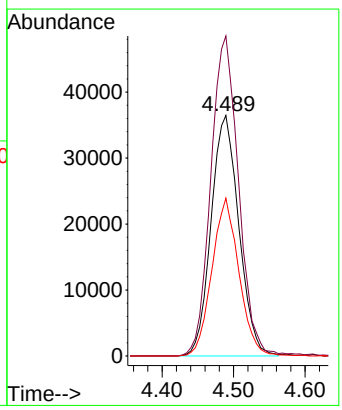


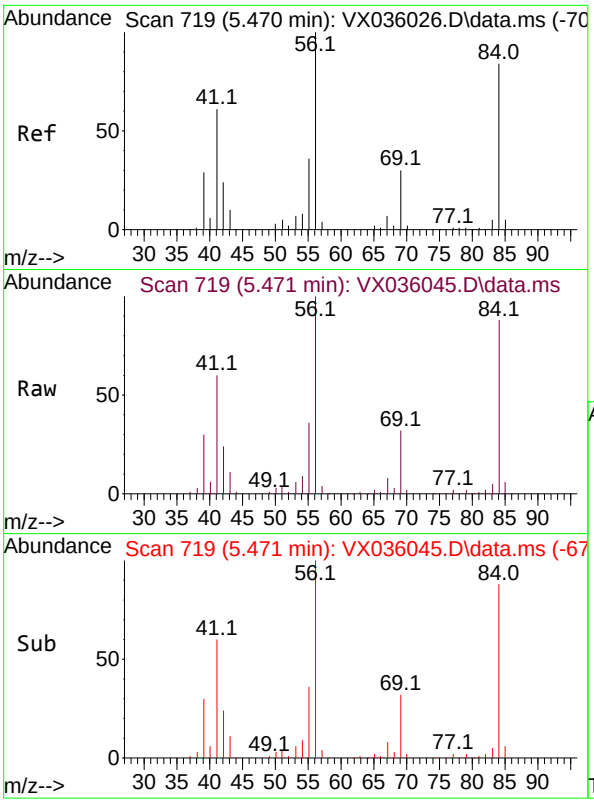


#20
cis-1,2-Dichloroethene
Concen: 38.417 ug/L
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion: 96 Resp: 98419

Ion	Ratio	Lower	Upper
96	100		
61	133.1	94.7	175.9
98	65.6	45.4	84.4



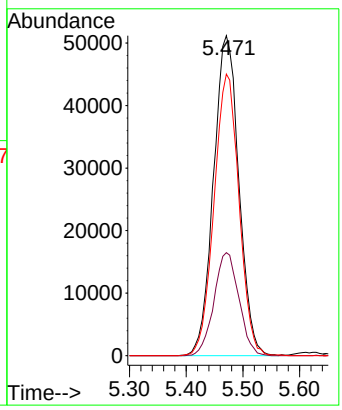


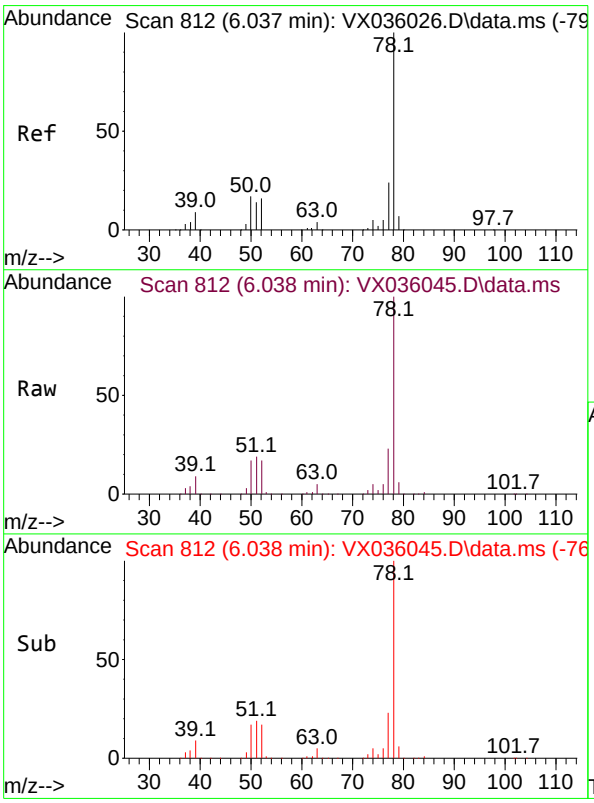
#29
Cyclohexane
Concen: 40.185 ug/L
RT: 5.471 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
F6C08

Tgt Ion: 56 Resp: 158978

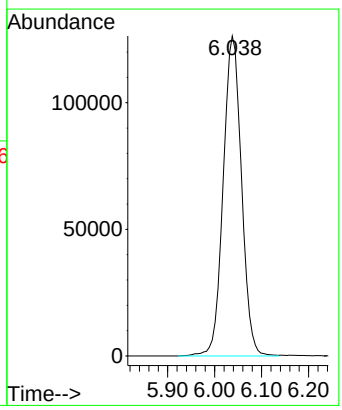
Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.3	36.5
84	86.6	68.4	102.6

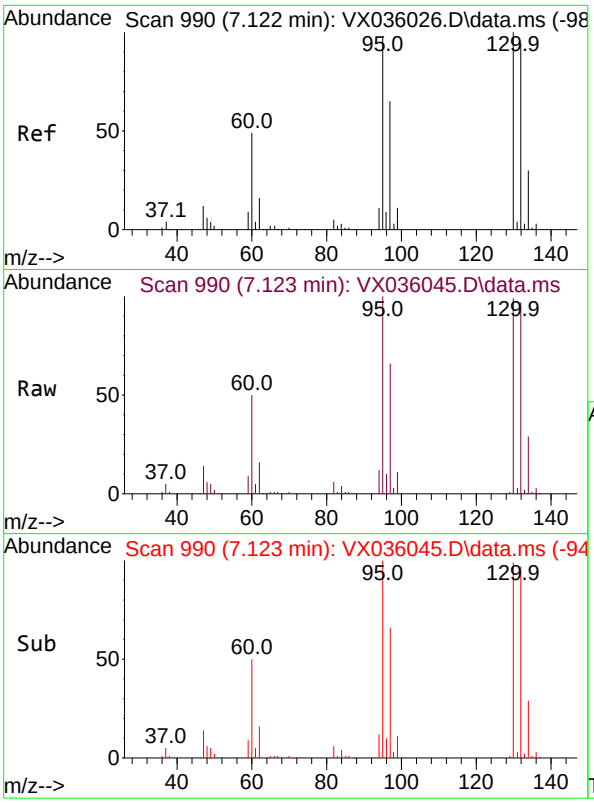




#33
Benzene
Concen: 36.146 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion: 78 Resp: 343002



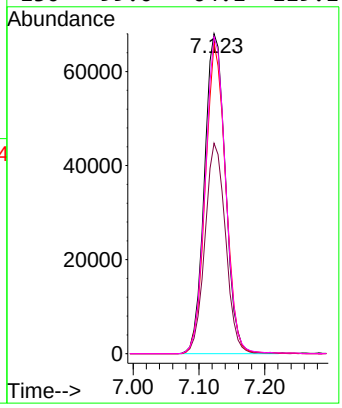


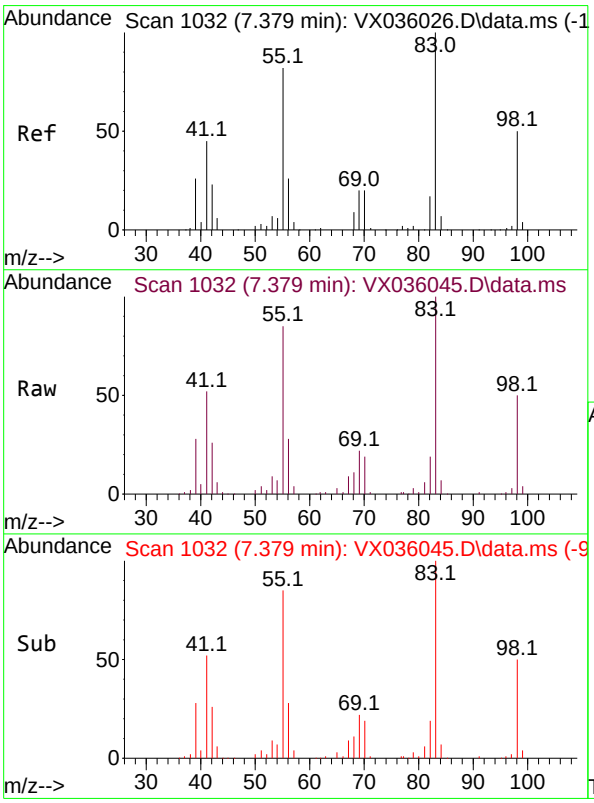
#34
Trichloroethene
Concen: 58.821 ug/L
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
F6C08

Tgt Ion: 95 Resp: 150333

Ion	Ratio	Lower	Upper
95	100		
97	65.8	43.6	81.0
132	97.2	59.9	111.3
130	99.0	64.1	119.1

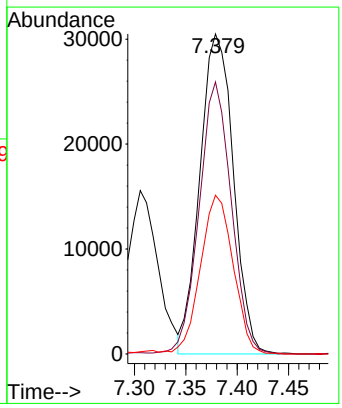


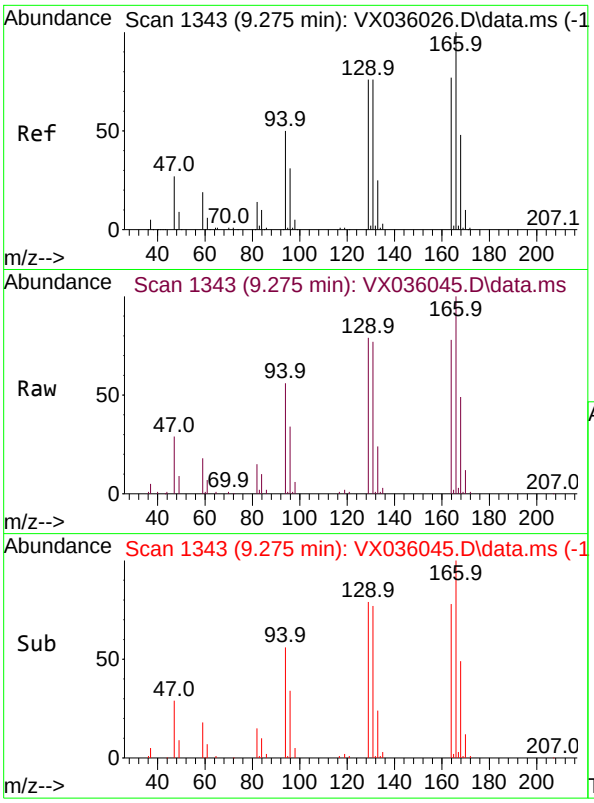


#35
Methylcyclohexane
Concen: 18.479 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion: 83 Resp: 69331

Ion	Ratio	Lower	Upper
83	100		
55	81.6	65.4	98.2
98	48.2	39.0	58.6



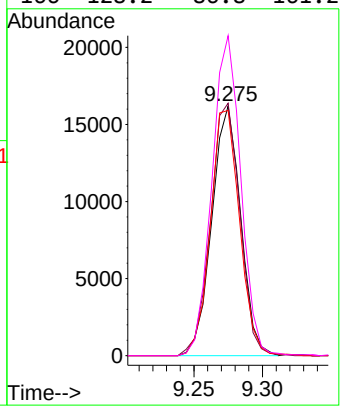


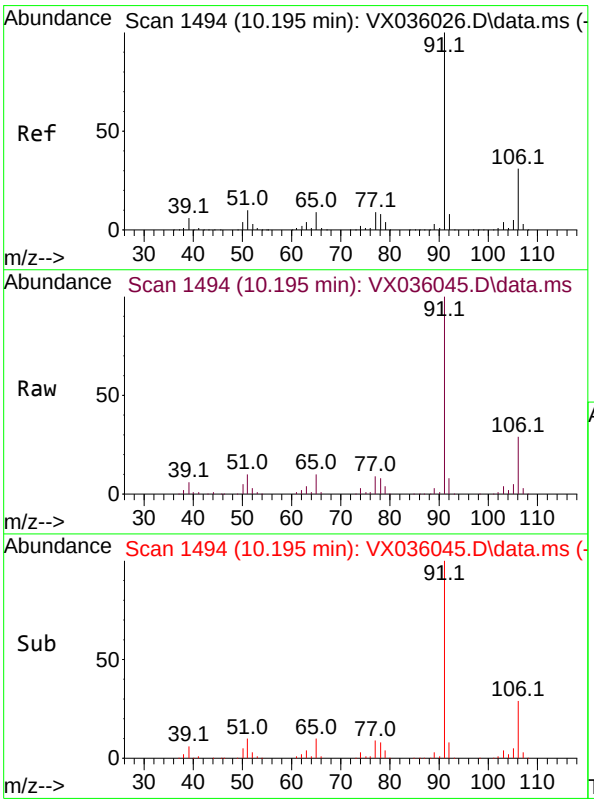
#46
Tetrachloroethene
Concen: 13.220 ug/L
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
F6C08

Tgt Ion:164 Resp: 23627

Ion	Ratio	Lower	Upper
164	100		
129	101.1	74.8	139.0
131	98.3	68.9	127.9
166	128.2	86.8	161.2

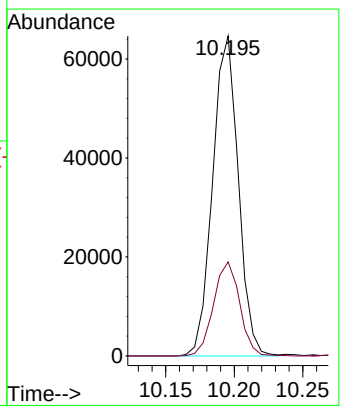


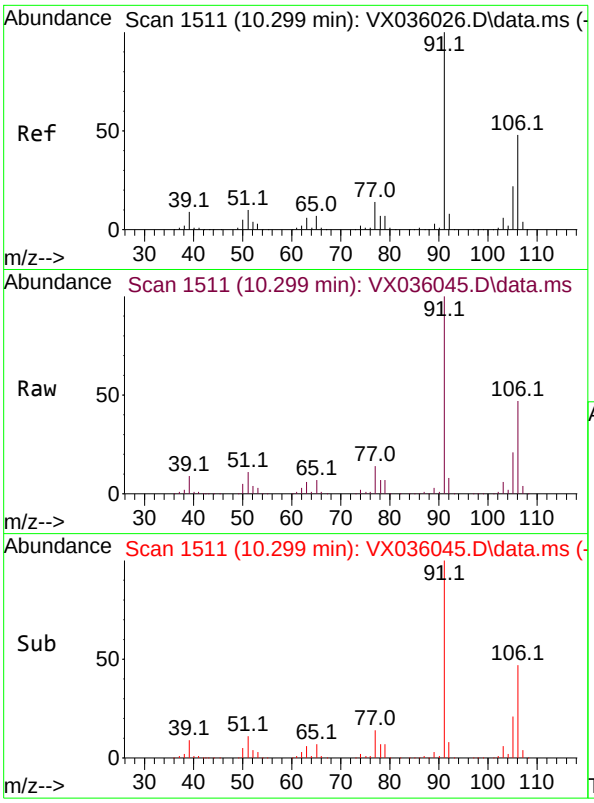


#52
Ethylbenzene
Concen: 7.399 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion: 91 Resp: 84103

Ion	Ratio	Lower	Upper
91	100		
106	29.4	20.8	38.6



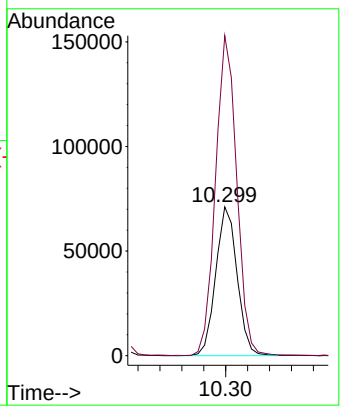


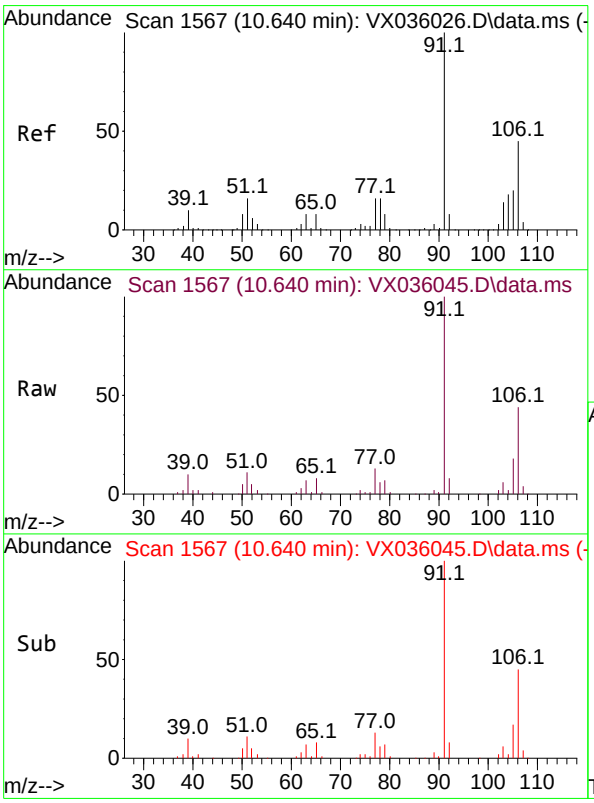
#53
m,p-Xylene
Concen: 22.361 ug/L
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
F6C08

Tgt Ion:106 Resp: 96393

Ion	Ratio	Lower	Upper
106	100		
91	215.0	149.8	278.2

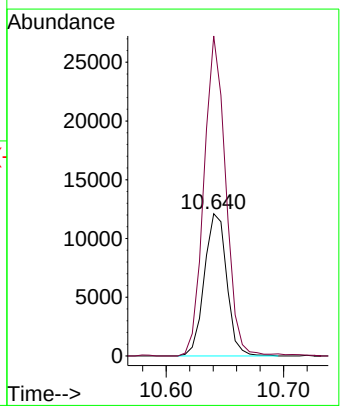


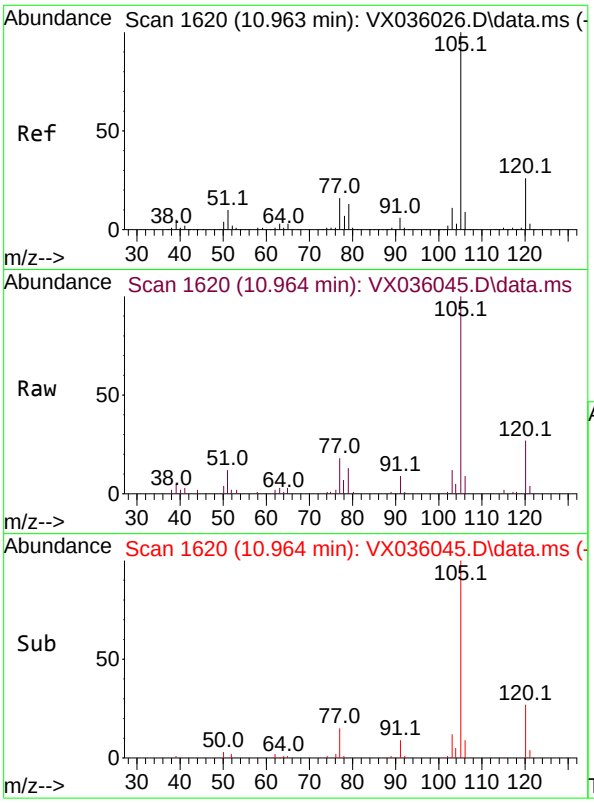


#54
o-Xylene
Concen: 3.805 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion:106 Resp: 16032

Ion	Ratio	Lower	Upper
106	100		
91	225.0	156.9	291.5



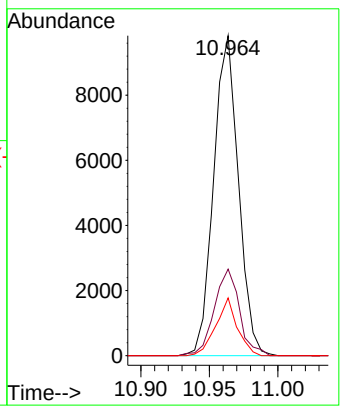


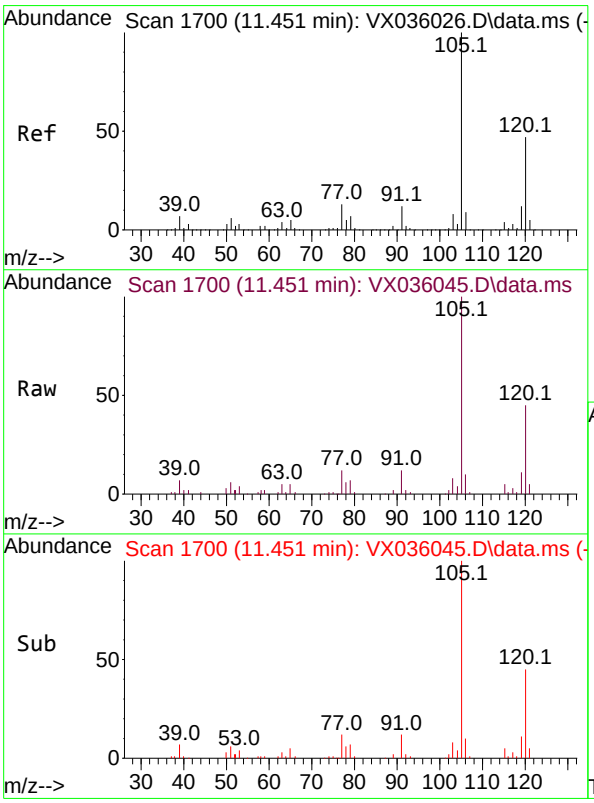
#60
Isopropylbenzene
Concen: 1.244 ug/L
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
F6C08

Tgt Ion:105 Resp: 12357

Ion	Ratio	Lower	Upper
105	100		
120	27.5	20.9	31.3
77	15.6	13.7	20.5

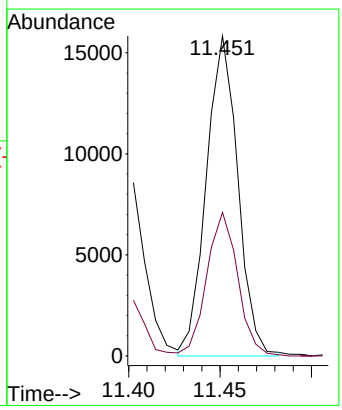


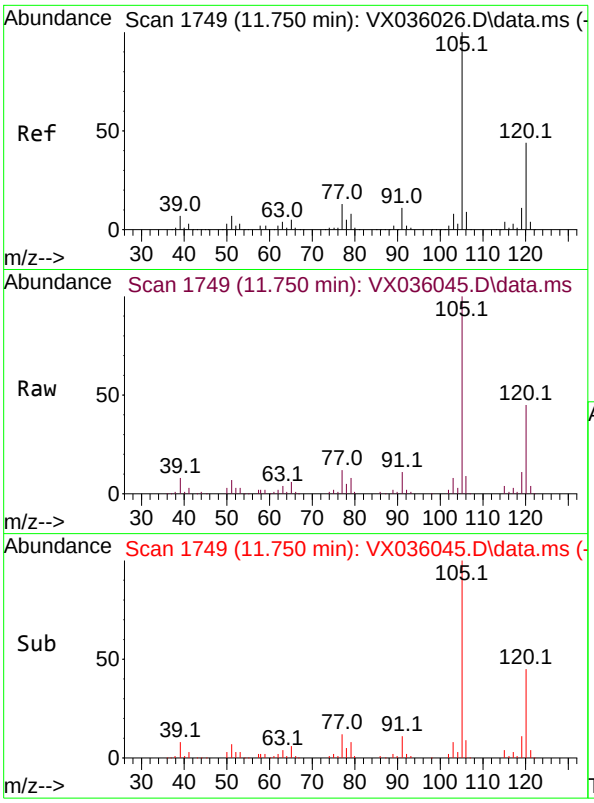


#62
1,3,5-Trimethylbenzene
Concen: 2.296 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion:105 Resp: 18975

Ion	Ratio	Lower	Upper
105	100		
120	44.1	37.0	55.4





#63
1,2,4-Trimethylbenzene
Concen: 5.812 ug/L
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
F6C08

Tgt Ion:105 Resp: 44444

Ion	Ratio	Lower	Upper
105	100		
120	43.9	35.0	52.6