Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
Data File : VU045227.D
Acq On : 07 Oct 2021 23:04
Operator : SY/MD
Sample : M4138-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Oct 08 02:13:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 07 22:18:46 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	298476	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	304063	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	149450	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	116568	35.676	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 71.360%			
7) Chloroethane-d5	1.896	69	99473	38.418	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 76.840%			
11) 1,1-Dichloroethene-d2	2.562	63	155423	28.325	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 56.640%#			
21) 2-Butanone-d5	4.629	46	214968	83.219	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 83.220%			
24) Chloroform-d	5.067	84	207142	40.139	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 80.280%			
26) 1,2-Dichloroethane-d4	5.706	65	147622	42.231	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.460%			
32) Benzene-d6	5.729	84	432634	41.005	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 82.000%			
36) 1,2-Dichloropropane-d6	6.693	67	139893	40.663	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 81.320%			
41) Toluene-d8	7.902	98	400472	43.983	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.960%			
43) trans-1,3-Dichloroprop...	8.182	79	62532	40.862	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.720%			
47) 2-Hexanone-d5	8.639	63	157230	82.470	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 82.470%			
56) 1,1,2,2-Tetrachloroeth...	10.761	84	224975	41.995	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 84.000%			
66) 1,2-Dichlorobenzene-d4	12.195	152	149296	45.903	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.800%			
Target Compounds						Qvalue
3) Chloromethane	1.498	50	15804	4.436	ug/L #	42
5) Vinyl chloride	1.604	62	2598	0.744	ug/L #	1
8) Chloroethane	1.848	64	119067	54.358	ug/L #	52
12) 1,1-Dichloroethene	2.568	96	2355	1.019	ug/L #	1
13) Acetone	2.636	43	12430	4.163	ug/L	100
14) Carbon disulfide	2.793	76	19816	2.676	ug/L	98
19) 1,1-Dichloroethane	3.874	63	136291	26.906	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	3218	1.199	ug/L	87
22) 2-Butanone	4.710	43	111045	33.227	ug/L	98
29) Cyclohexane	5.388	56	15732	3.442	ug/L	97
33) Benzene	5.777	78	175364	15.550	ug/L	100
35) Methylcyclohexane	6.767	83	48857	10.773	ug/L	98
39) cis-1,3-Dichloropropene	7.568	75	3986	0.907	ug/L #	61
40) 4-Methyl-2-pentanone	7.800	43	81535	15.896	ug/L	97
42) Toluene	7.976	91	10725225	935.997	ug/L	96
44) trans-1,3-Dichloropropene	8.182	75	2943	0.704	ug/L	85
45) 1,1,2-Trichloroethane	8.375	97	1741	0.626	ug/L #	14
48) 2-Hexanone	8.639	43	33690	7.407	ug/L #	59
51) Chlorobenzene	9.452	112	3307	0.467	ug/L	92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
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Acq On : 07 Oct 2021 23:04
Operator : SY/MD
Sample : M4138-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 08 02:13:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 07 22:18:46 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) Styrene	10.115	104	539759	69.654	ug/L	#	1
61) Isopropylbenzene	10.488	105	681733	62.330	ug/L		100
62) 1,3,5-Trimethylbenzene	11.092	105	388129	42.492	ug/L		99
63) 1,2,4-Trimethylbenzene	11.471	105	1289439	137.855	ug/L		100
71) Naphthalene	14.089	128	123872	12.263	ug/L		99

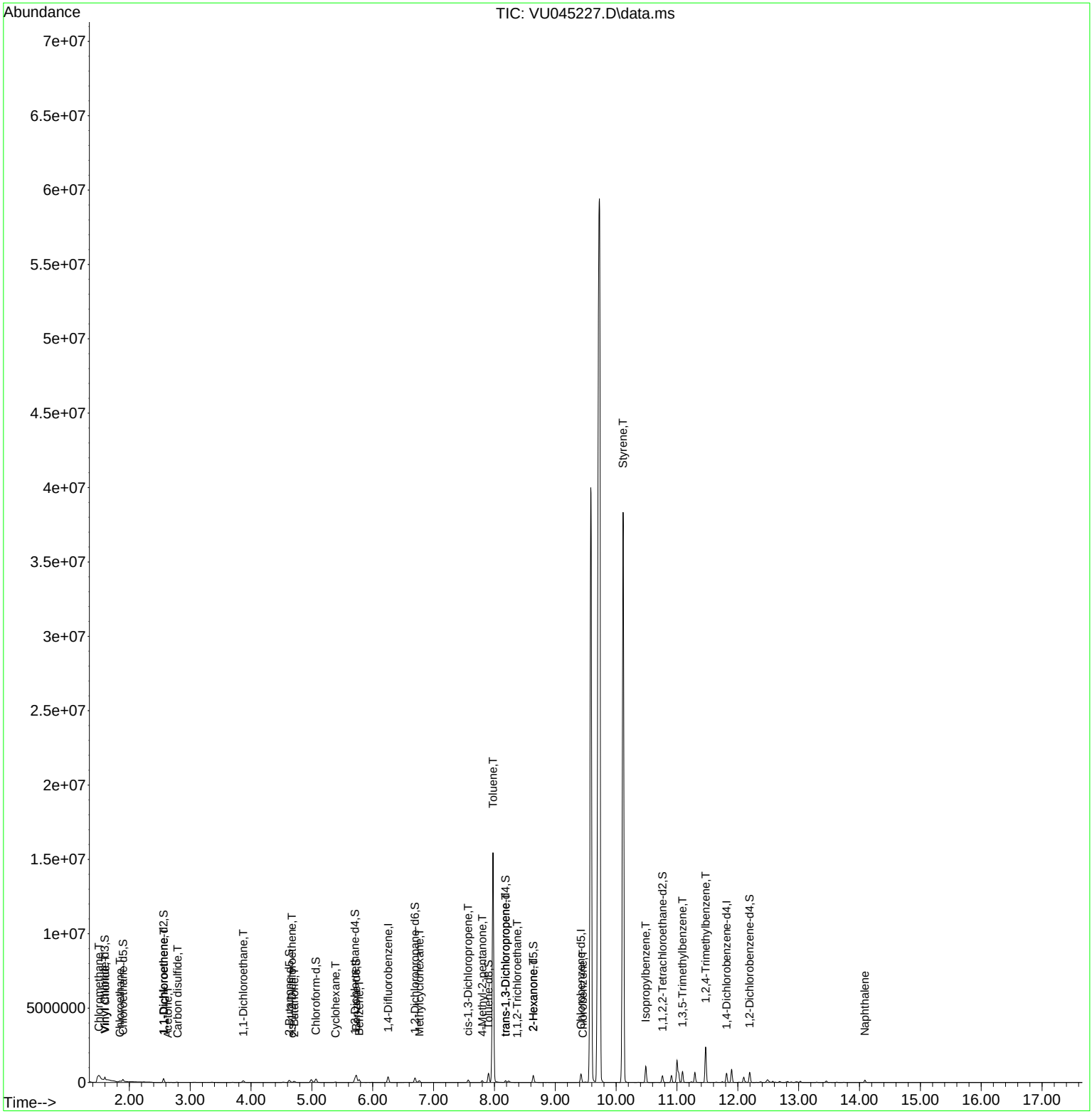
(#) = qualifier out of range (m) = manual integration (+) = signals summed

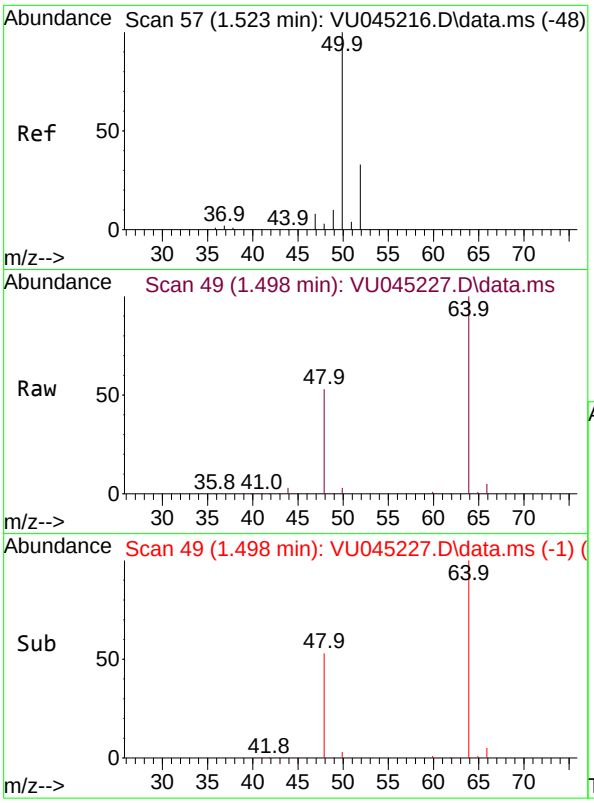
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
Data File : VU045227.D
Acq On : 07 Oct 2021 23:04
Operator : SY/MD
Sample : M4138-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 08 02:13:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 07 22:18:46 2021
Response via : Initial Calibration

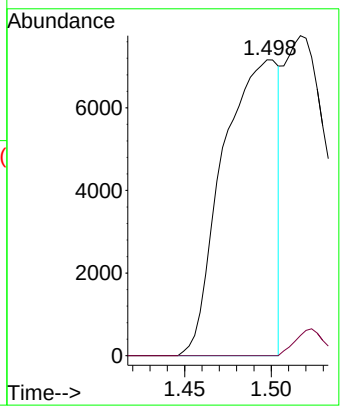




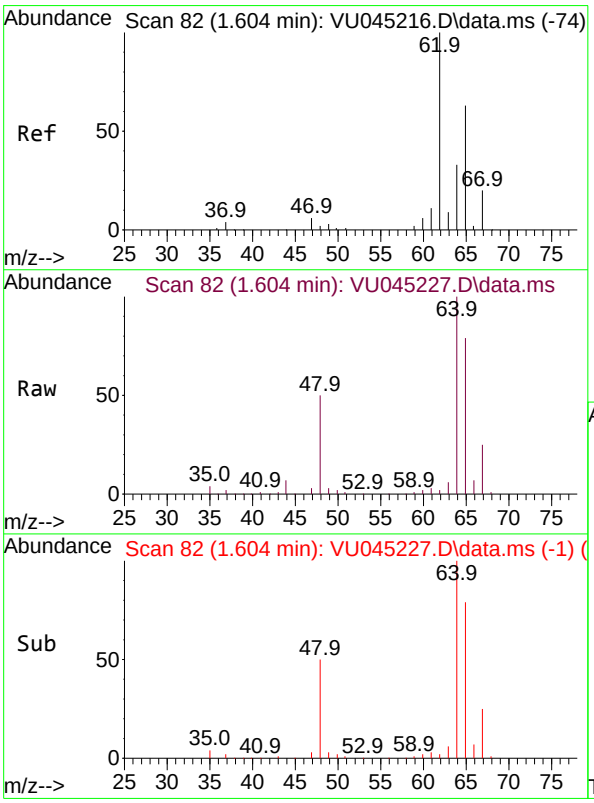
#3
Chloromethane
Concen: 4.436 ug/L
RT: 1.498 min Scan# 49
Delta R.T. -0.026 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 50 Resp: 15804

Ion	Ratio	Lower	Upper
50	100		
52	0.0	23.0	42.8#



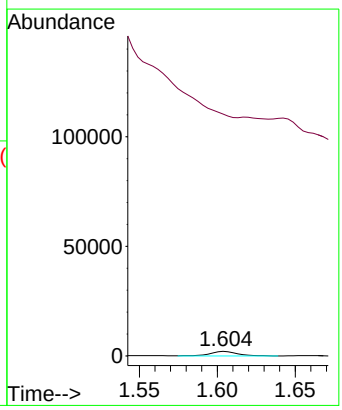
Instrument :
MSVOA_U
ClientSampleId :

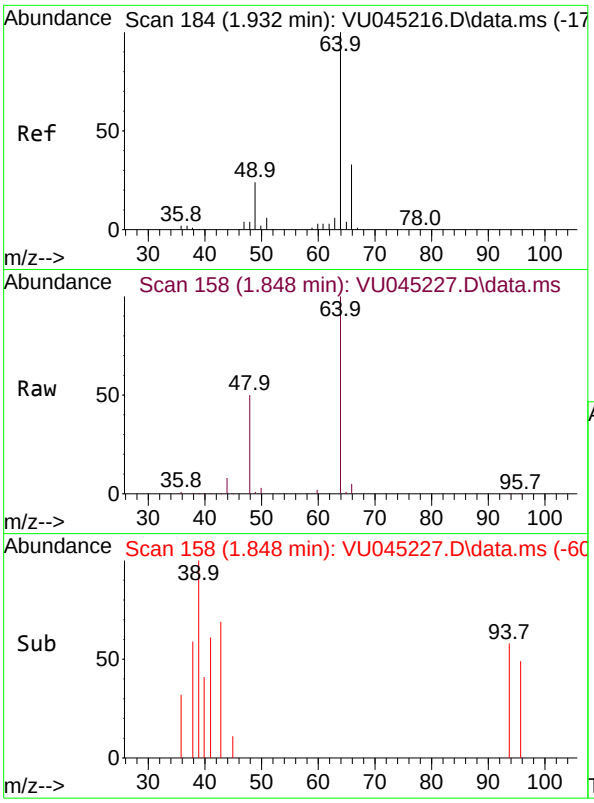


#5
Vinyl chloride
Concen: 0.744 ug/L
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 62 Resp: 2598

Ion	Ratio	Lower	Upper
62	100		
64	5168.0	23.4	43.6#

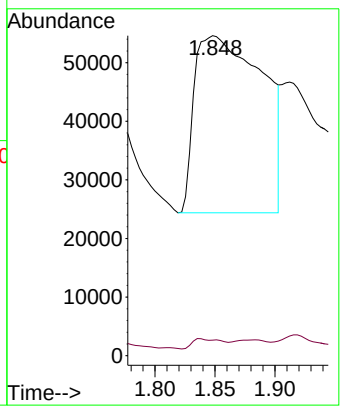




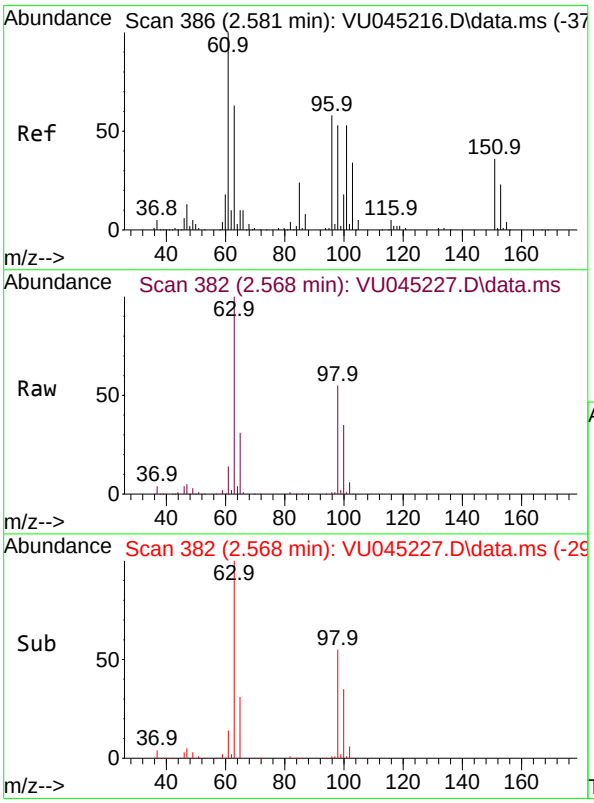
#8
Chloroethane
Concen: 54.358 ug/L
RT: 1.848 min Scan# 158
Delta R.T. -0.084 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 64 Resp: 119067

Ion	Ratio	Lower	Upper
64	100		
66	4.9	22.3	41.3#



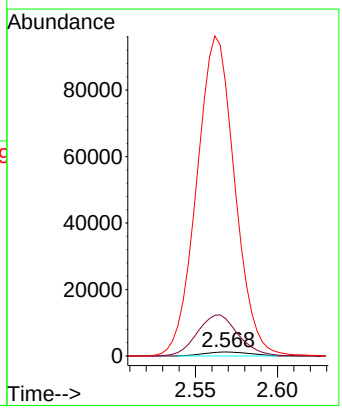
Instrument :
MSVOA_U
ClientSampleId :

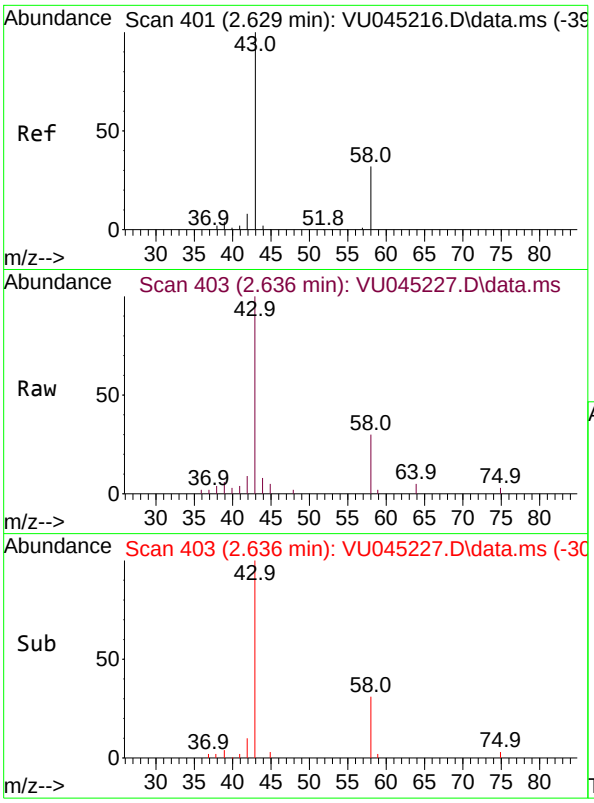


#12
1,1-Dichloroethene
Concen: 1.019 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.013 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 96 Resp: 2355

Ion	Ratio	Lower	Upper
96	100		
61	945.7	131.3	243.9#
63	6871.1	102.5	190.3#

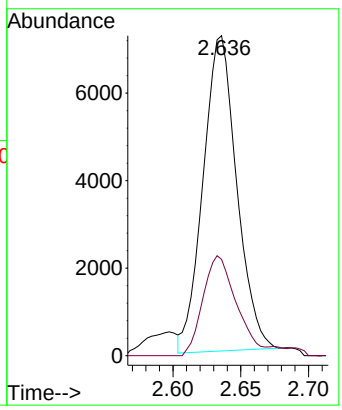




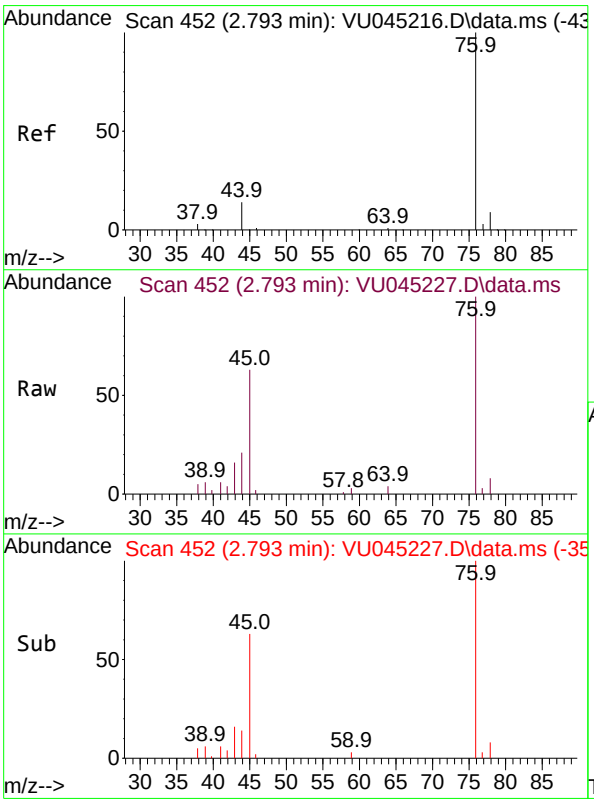
#13
Acetone
Concen: 4.163 ug/L
RT: 2.636 min Scan# 403
Delta R.T. 0.006 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 43 Resp: 12430

Ion	Ratio	Lower	Upper
43	100		
58	31.6	0.0	62.8



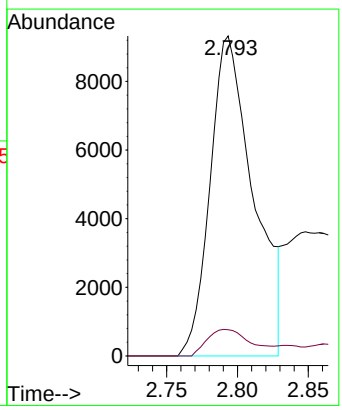
Instrument :
MSVOA_U
ClientSampleId :

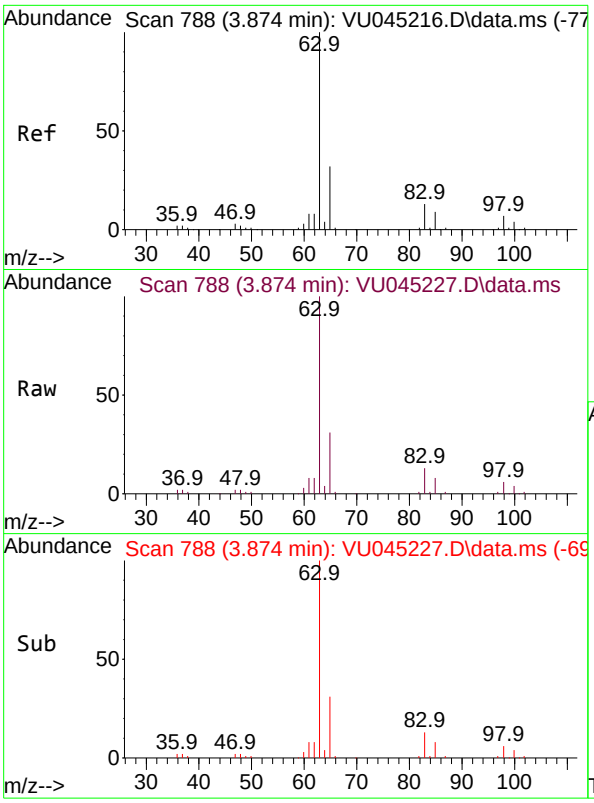


#14
Carbon disulfide
Concen: 2.676 ug/L
RT: 2.793 min Scan# 452
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 76 Resp: 19816

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.3	10.9

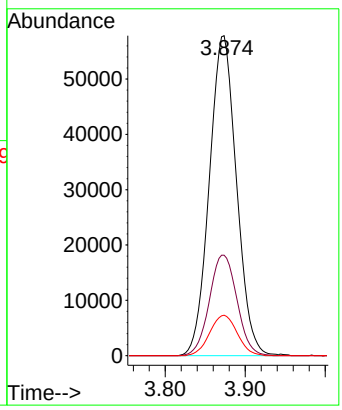




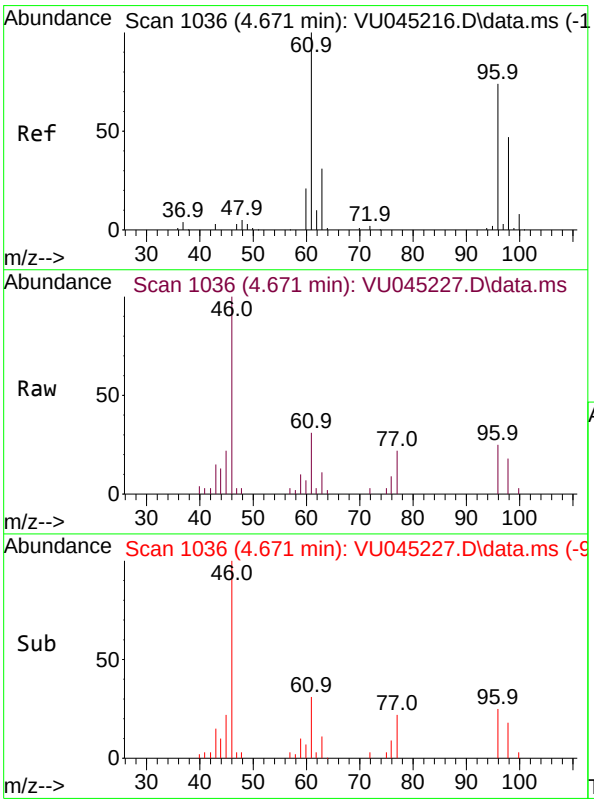
#19
1,1-Dichloroethane
Concen: 26.906 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 63 Resp: 136291

Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.0	40.8
83	12.7	9.0	16.6



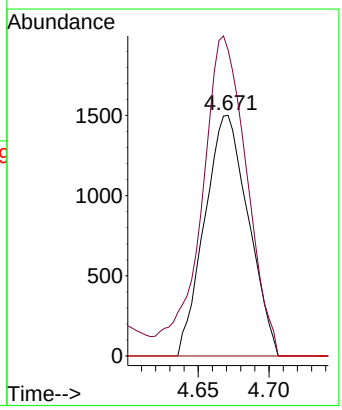
Instrument :
MSVOA_U
ClientSampleId :



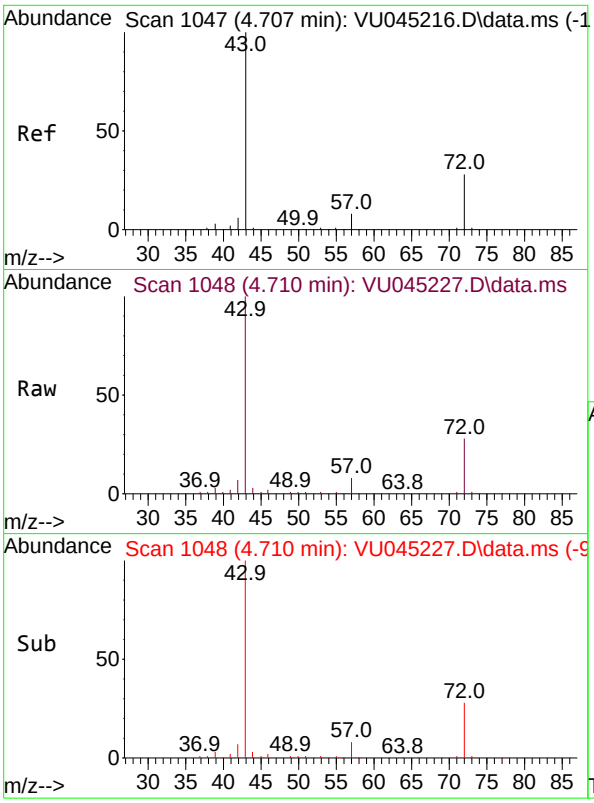
#20
cis-1,2-Dichloroethene
Concen: 1.199 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 96 Resp: 3218

Ion	Ratio	Lower	Upper
96	100		
61	127.1	100.2	186.0
68	0.0	0.0	0.0



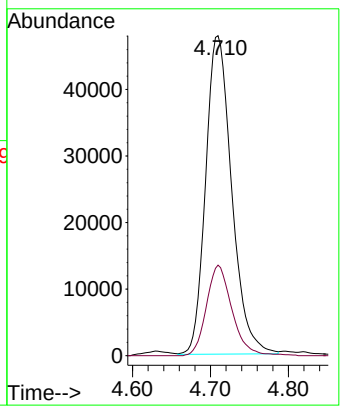
Instrument :
MSVOA_U
ClientSampleId :

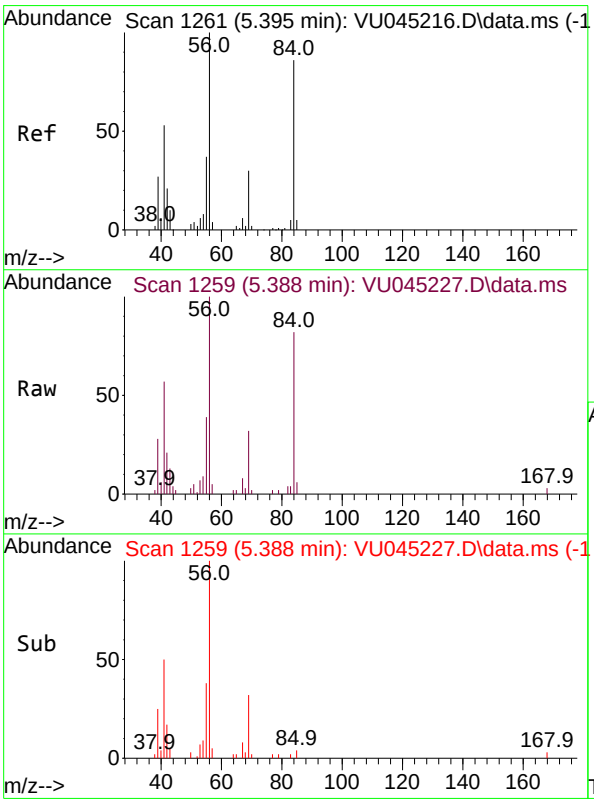


#22
2-Butanone
Concen: 33.227 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 43 Resp: 111045

Ion	Ratio	Lower	Upper
43	100		
72	27.8	13.3	39.9

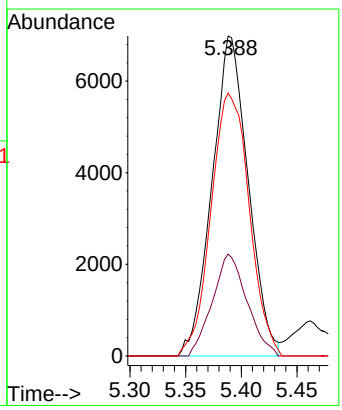


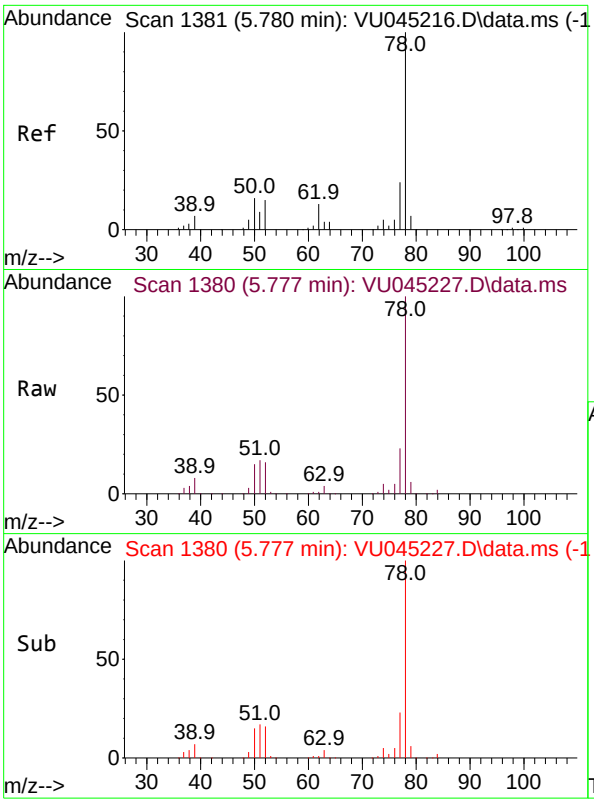


#29
Cyclohexane
Concen: 3.442 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.007 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 56 Resp: 15732

Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	87.0	66.8	100.2

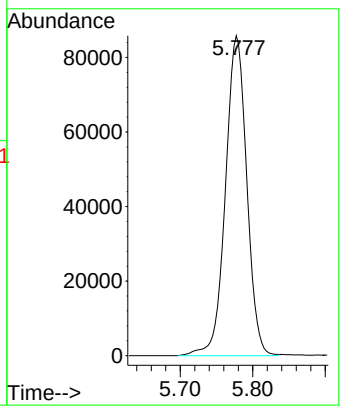


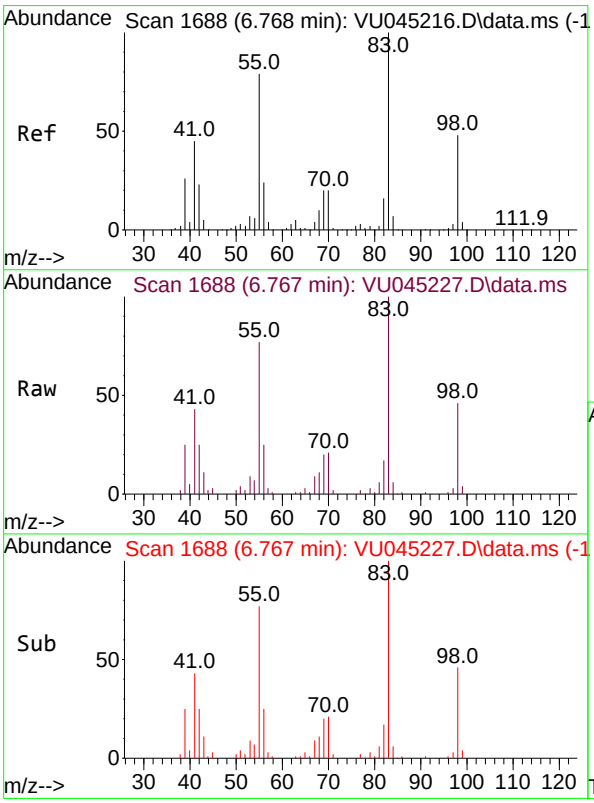


#33
Benzene
Concen: 15.550 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 78 Resp: 175364

Instrument :
MSVOA_U
ClientSampleId :

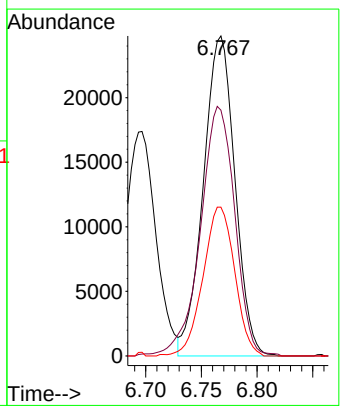


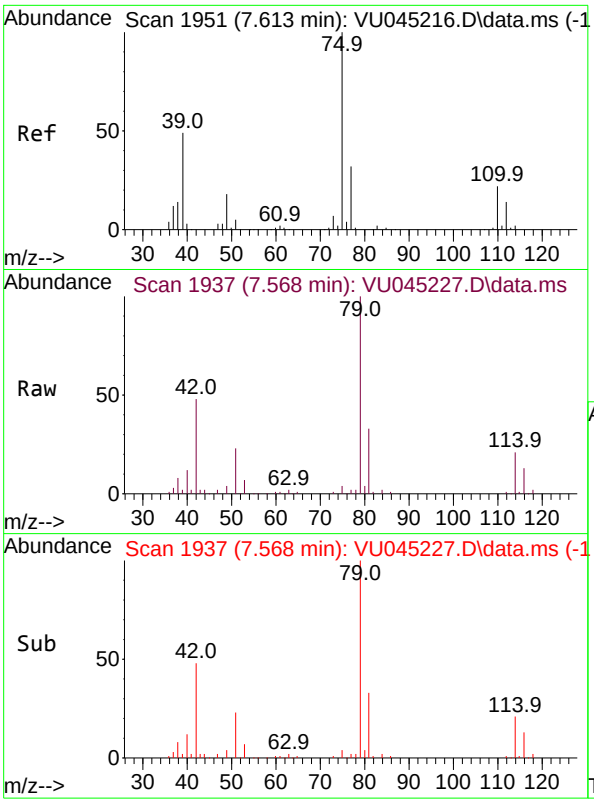


#35
Methylcyclohexane
Concen: 10.773 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 83 Resp: 48857

Ion	Ratio	Lower	Upper
83	100		
55	85.1	65.8	98.6
98	46.6	37.1	55.7

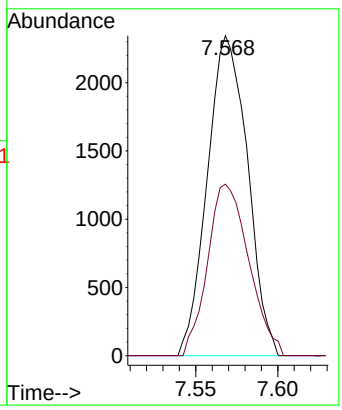




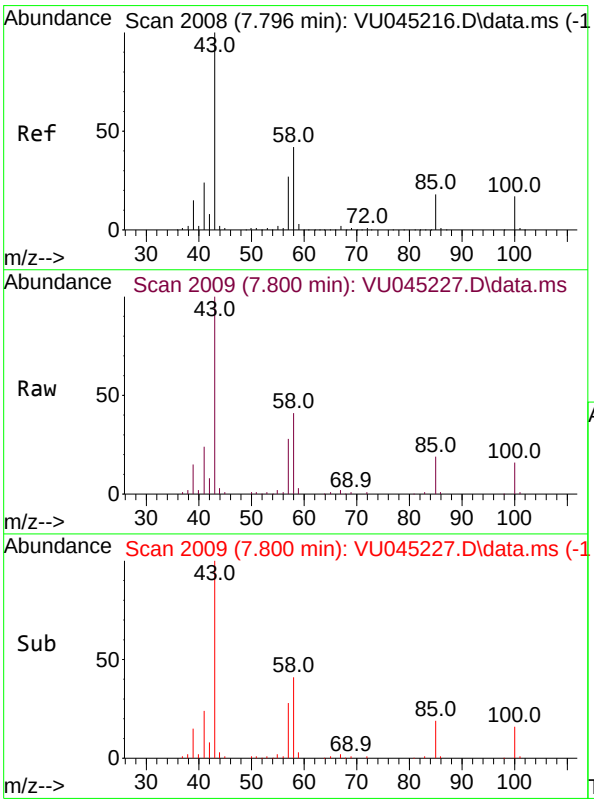
#39
cis-1,3-Dichloropropene
Concen: 0.907 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 75 Resp: 3986

Ion	Ratio	Lower	Upper
75	100		
77	53.6	22.4	41.6#



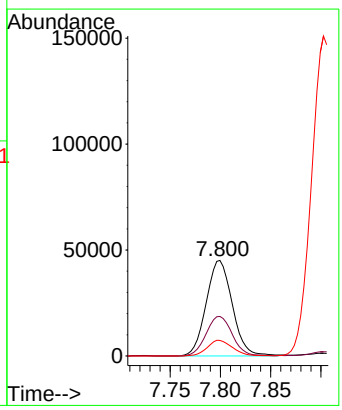
Instrument :
MSVOA_U
ClientSampleId :



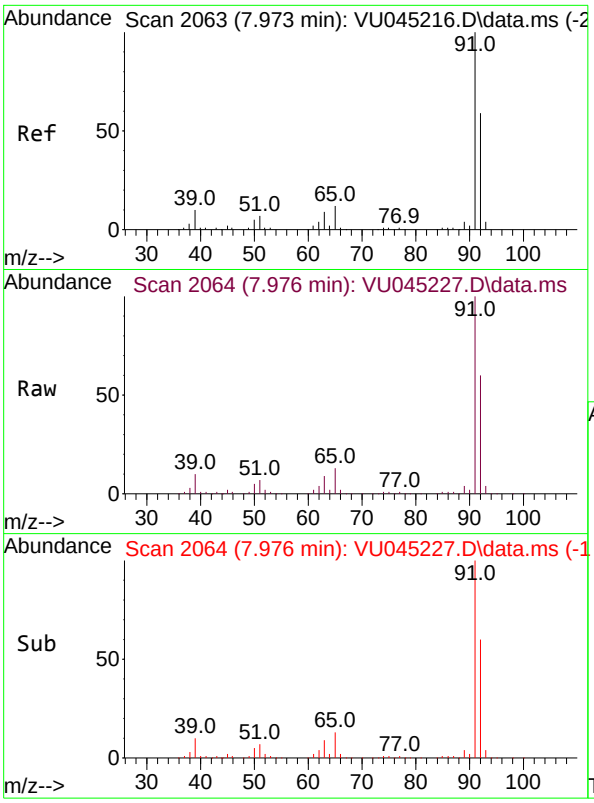
#40
4-Methyl-2-pentanone
Concen: 15.896 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 43 Resp: 81535

Ion	Ratio	Lower	Upper
43	100		
58	41.6	31.8	47.8
100	16.0	11.8	17.6



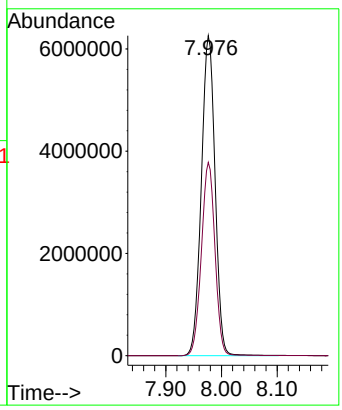
Instrument :
MSVOA_U
ClientSampleId :

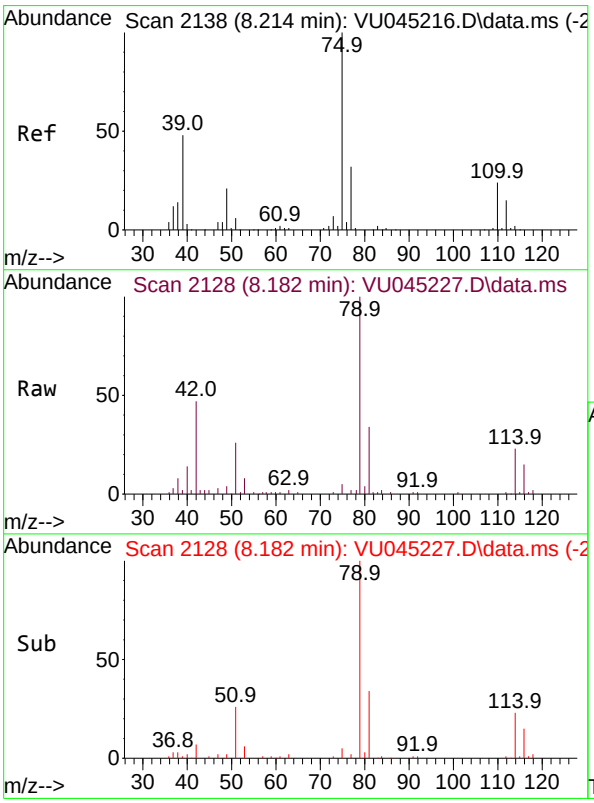


#42
Toluene
Concen: 935.997 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 91 Resp:10725225

Ion	Ratio	Lower	Upper
91	100		
92	60.4	40.5	75.1

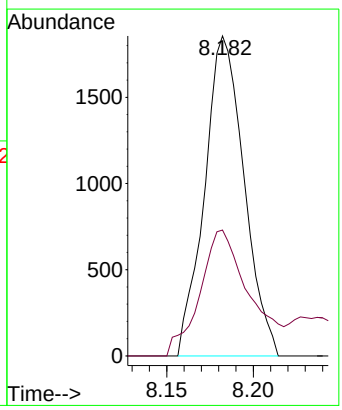




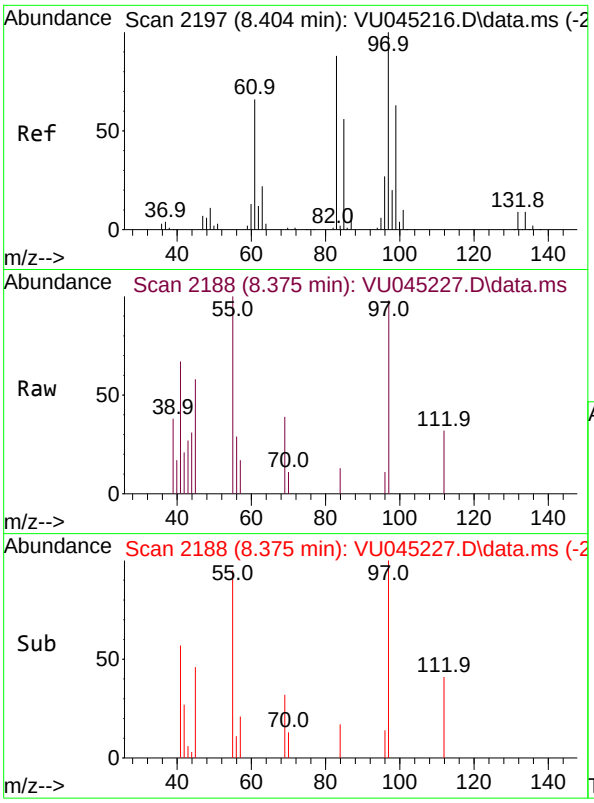
#44
trans-1,3-Dichloropropene
Concen: 0.704 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 75 Resp: 2943

Ion	Ratio	Lower	Upper
75	100		
77	39.3	21.7	40.3



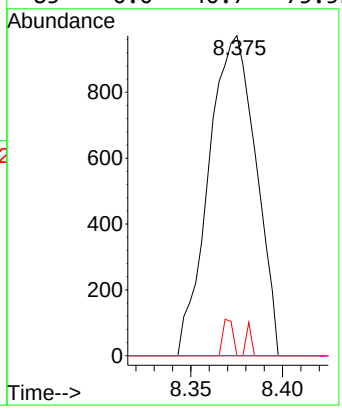
Instrument :
MSVOA_U
ClientSampleId :

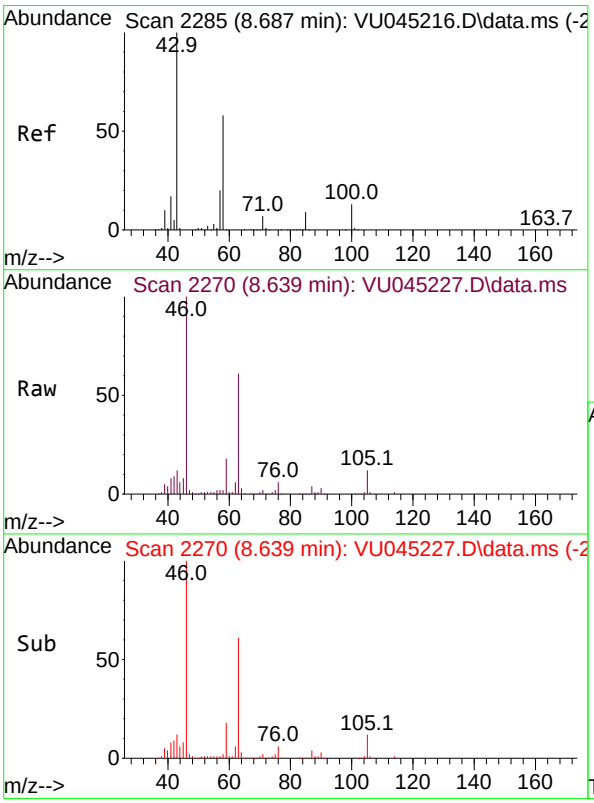


#45
1,1,2-Trichloroethane
Concen: 0.626 ug/L
RT: 8.375 min Scan# 2188
Delta R.T. -0.029 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 97 Resp: 1741

Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.7	81.1#
83	0.0	61.9	115.1#
85	0.0	40.7	75.5#

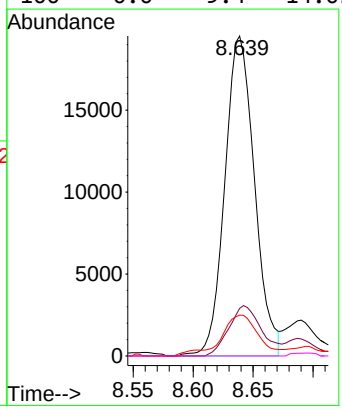




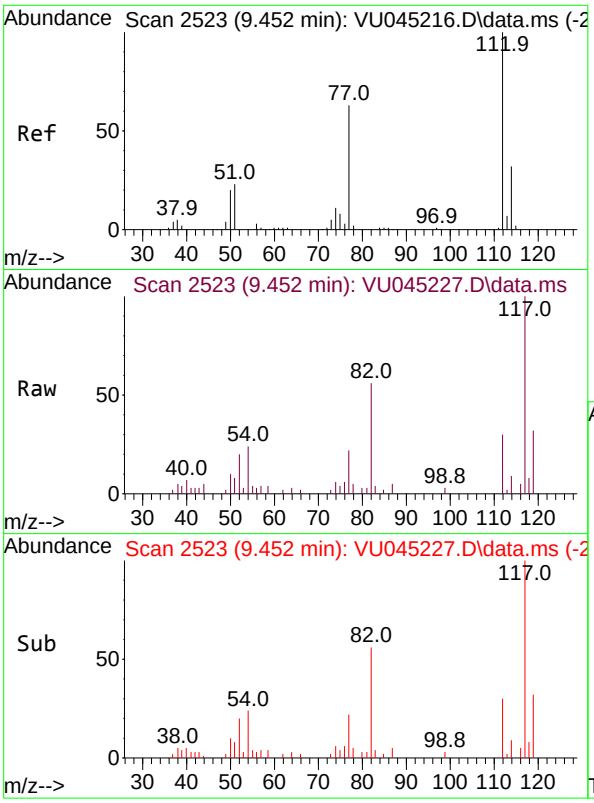
#48
2-Hexanone
Concen: 7.407 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.048 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 43 Resp: 33690

Ion	Ratio	Lower	Upper
43	100		
58	17.6	44.9	67.3#
57	13.3	15.5	23.3#
100	0.0	9.4	14.0#



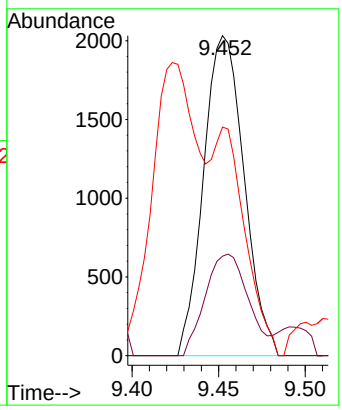
Instrument :
MSVOA_U
ClientSampleId :

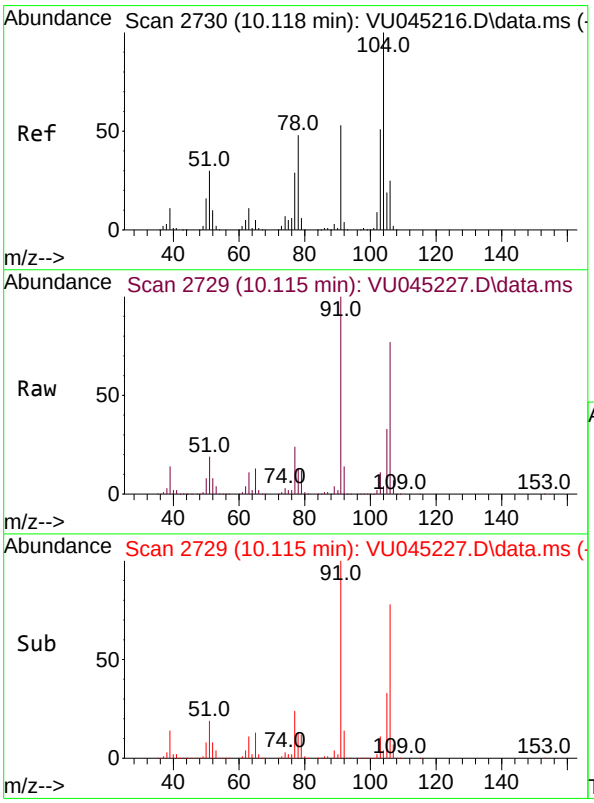


#51
Chlorobenzene
Concen: 0.467 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:112 Resp: 3307

Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.5	41.9
77	71.5	50.6	75.8

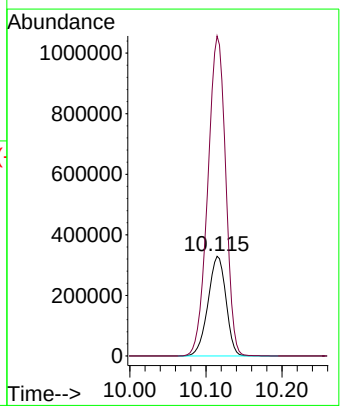


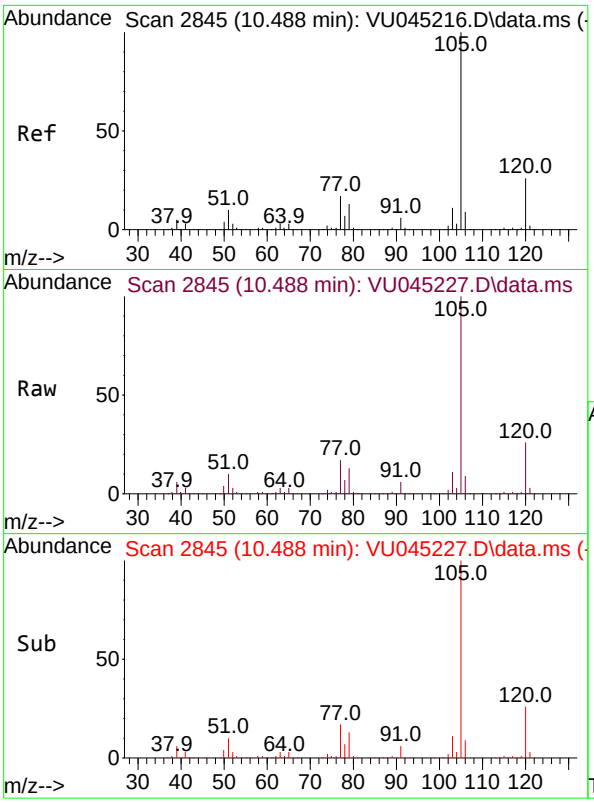


#55
Styrene
Concen: 69.654 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:104 Resp: 539759

Ion	Ratio	Lower	Upper
104	100		
78	321.1	33.3	61.9#

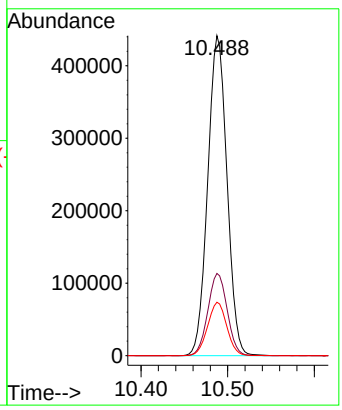




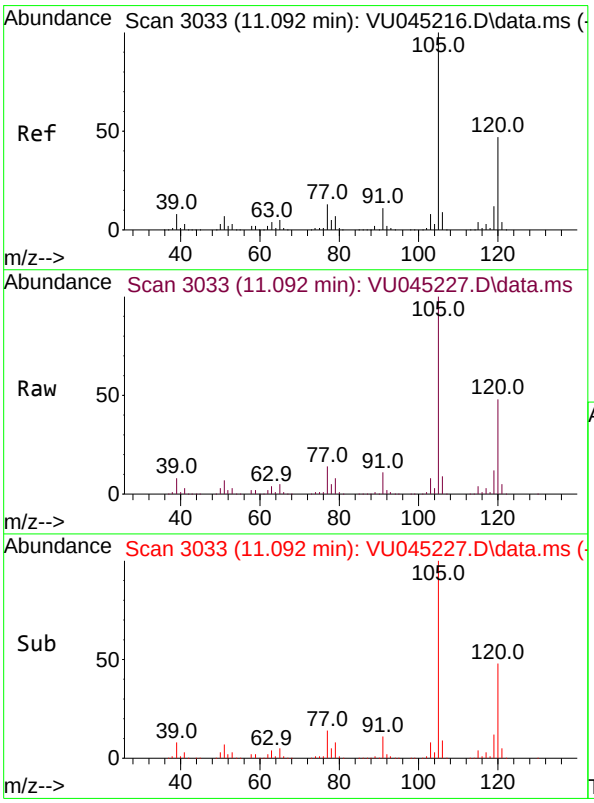
#61
Isopropylbenzene
Concen: 62.330 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:105 Resp: 681733

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.5	30.7
77	16.7	13.5	20.3



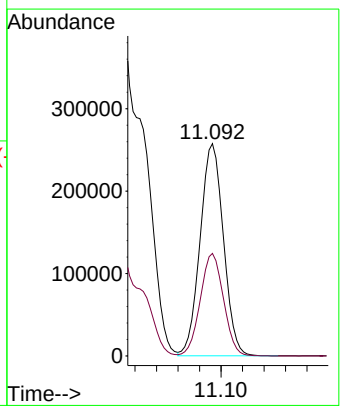
Instrument :
MSVOA_U
ClientSampleId :

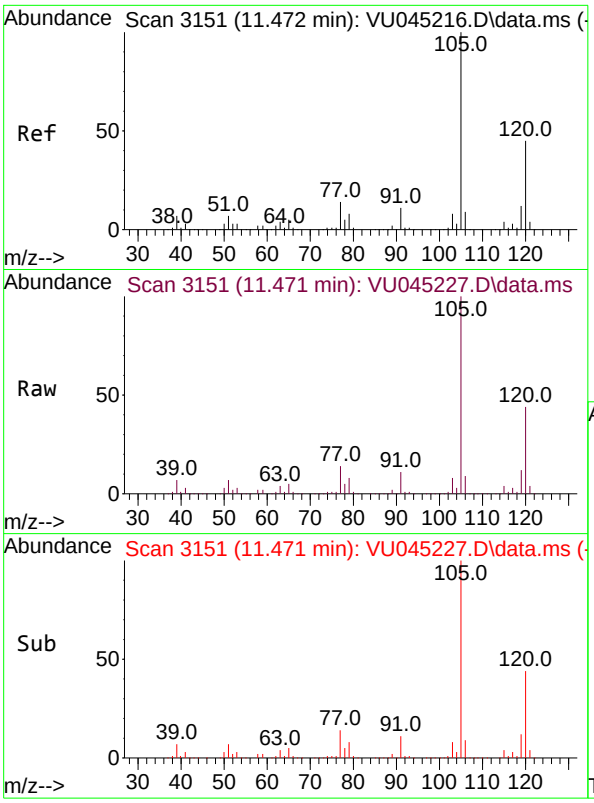


#62
1,3,5-Trimethylbenzene
Concen: 42.492 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:105 Resp: 388129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	38.8	58.2

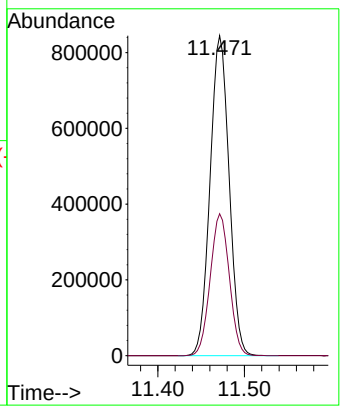




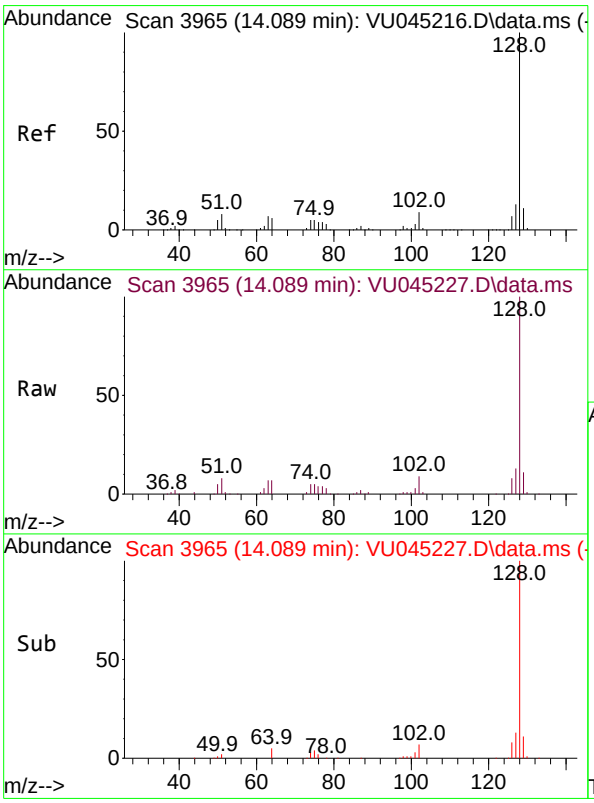
#63
1,2,4-Trimethylbenzene
Concen: 137.855 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:105 Resp: 1289439

Ion	Ratio	Lower	Upper
105	100		
120	44.4	35.7	53.5



Instrument :
MSVOA_U
ClientSampleId :



#71
Naphthalene
Concen: 12.263 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:128 Resp: 123872

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.7	8.8	13.2