Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028715.D
Acq On : 27 Oct 2022 13:12
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Time: Oct 28 02:17:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 28 02:13:29 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	113009	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	99837	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	40653	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	44707	5.688	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 113.800%			
7) Chloroethane-d5	1.565	69	46619	7.015	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 140.400%#			
11) 1,1-Dichloroethene-d2	2.102	63	45327	2.981	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 59.600%#			
20) 2-Butanone-d5	3.912	46	96918	54.079	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 108.160%			
24) Chloroform-d	4.343	84	85825	6.289	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 125.800%#			
26) 1,2-Dichloroethane-d4	5.031	65	52563	7.590	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 151.800%#			
32) Benzene-d6	5.047	84	145631	5.454	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 109.000%			
36) 1,2-Dichloropropane-d6	6.066	67	60019	7.102	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 142.000%#			
41) Toluene-d8	7.314	98	85256	4.092	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 81.800%			
43) trans-1,3-Dichloroprop...	7.625	79	9217	3.510	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 70.200%			
46) 2-Hexanone-d5	8.088	63	102739	84.055	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 168.120%#			
56) 1,1,2,2-Tetrachloroeth...	10.211	84	47068	8.397	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 168.000%#			
66) 1,2-Dichlorobenzene-d4	11.616	152	30437	5.428	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 108.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.131	85	572	0.120	ug/L	96
3) Chloromethane	1.237	50	1713	0.193	ug/L #	74
5) Vinyl chloride	1.307	62	687	0.078	ug/L #	1
6) Bromomethane	1.520	94	1250	0.296	ug/L	88
8) Chloroethane	1.581	64	73581	12.241	ug/L	97
13) Acetone	2.198	43	8620	8.104	ug/L	92
14) Carbon disulfide	2.291	76	3902	0.272	ug/L #	62
16) Methylene chloride	2.503	84	9389	1.096	ug/L	98
17) Methyl tert-butyl Ether	2.764	73	1653	0.101	ug/L #	41
18) trans-1,2-Dichloroethene	2.764	96	1597	0.255	ug/L	89
19) 1,1-Dichloroethane	3.185	63	1245	0.083	ug/L #	59
30) Cyclohexane	4.667	56	2122	0.171	ug/L #	74
33) Benzene	5.095	78	248080	8.314	ug/L	100
35) Methylcyclohexane	6.124	83	1578	0.155	ug/L #	85
40) 4-Methyl-2-pentanone	7.133	43	11869	2.629	ug/L #	48
42) Toluene	7.394	91	12952	0.458	ug/L	99
51) Chlorobenzene	8.876	112	5165826	289.968	ug/L	95
52) Ethylbenzene	9.011	91	8012	0.255	ug/L	98
53) m,p-Xylene	9.140	106	5628	0.496	ug/L	89

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028715.D
Acq On : 27 Oct 2022 13:12
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Time: Oct 28 02:17:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 28 02:13:29 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) o-Xylene	9.539	106	6646	0.582	ug/L		93
57) 1,1,2,2-Tetrachloroethane	10.243	83	1173	0.200	ug/L	#	72
60) Isopropylbenzene	9.924	105	737515	28.830	ug/L		100
61) 1,2,3-Trichloropropane	11.265	75	20808	5.961	ug/L	#	49
62) 1,3,5-Trimethylbenzene	10.731	105	61987	8.306	ug/L	#	71
63) 1,2,4-Trimethylbenzene	10.731	105	61987	2.999	ug/L	#	75
64) 1,3-Dichlorobenzene	11.178	146	5190	0.471	ug/L		94
65) 1,4-Dichlorobenzene	11.265	146	41934	3.814	ug/L		98
67) 1,2-Dichlorobenzene	11.635	146	26408	2.621	ug/L		99
68) 1,2-Dibromo-3-chloropr...	12.407	75	416	0.579	ug/L	#	9
71) Naphthalene	13.500	128	5520	0.506	ug/L	#	85

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

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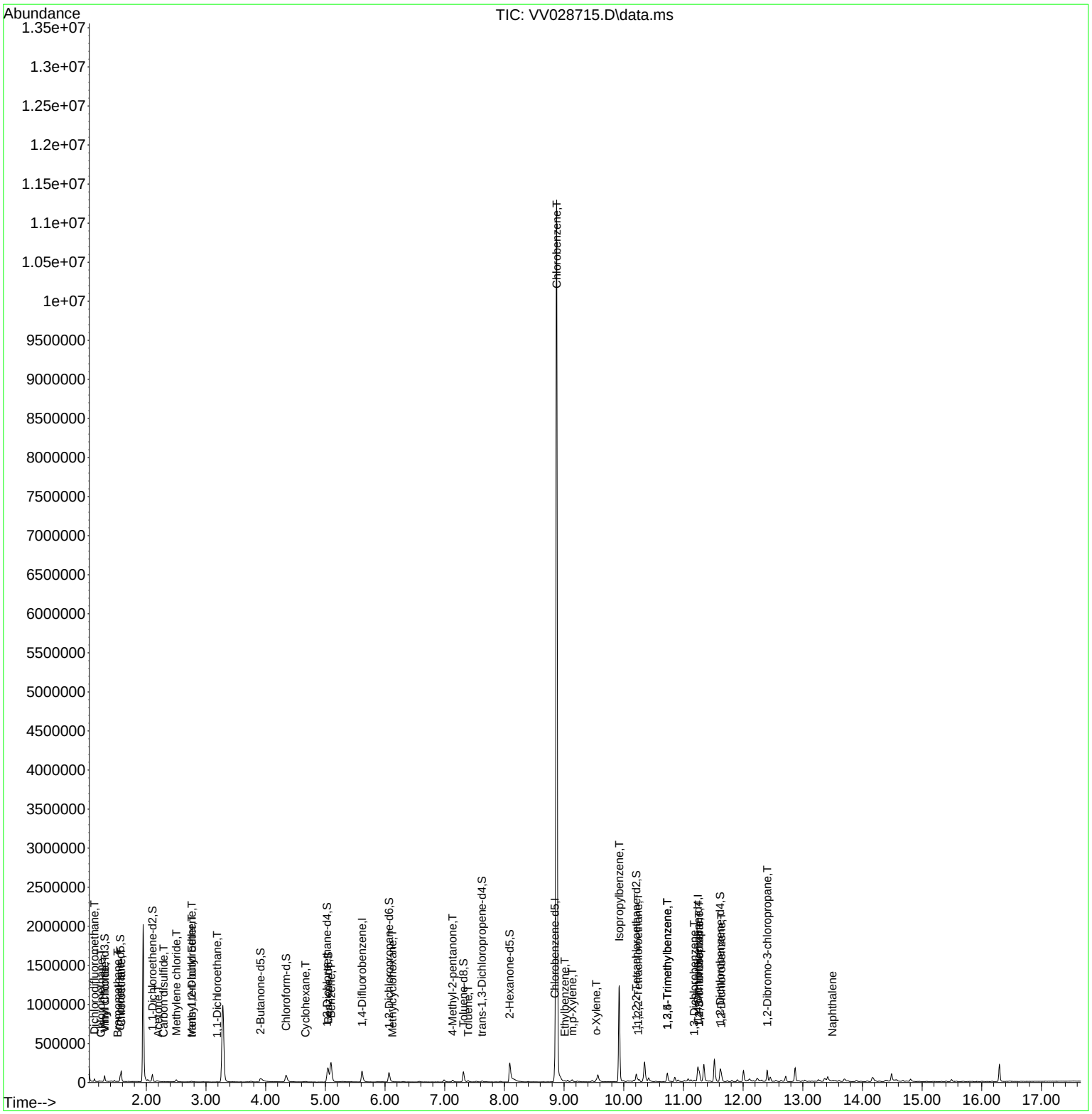
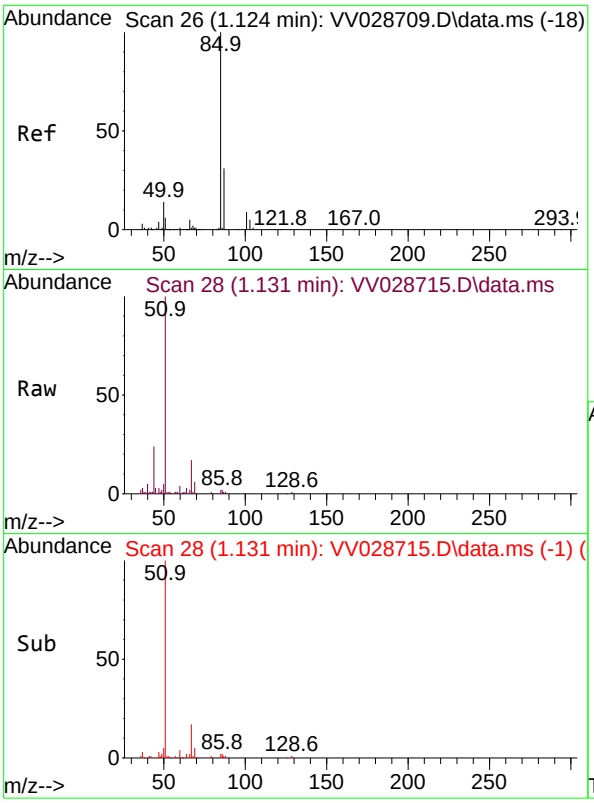
Quant Time: Oct 28 02:17:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 28 02:13:29 2022
Response via : Initial Calibration



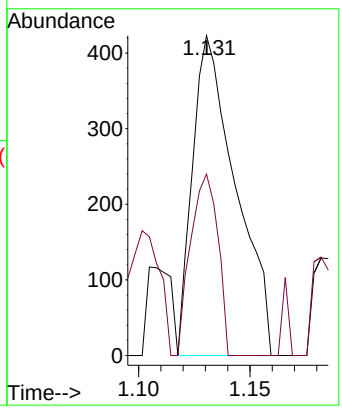


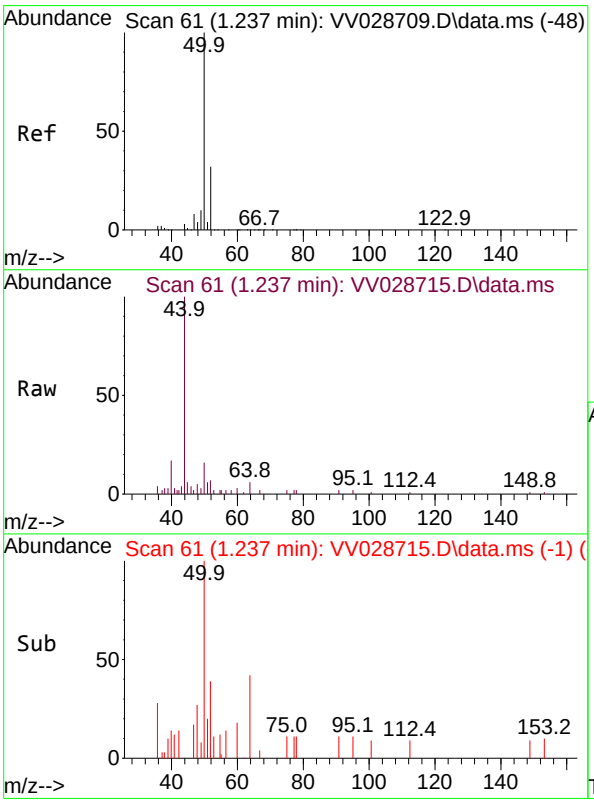
#2
Dichlorodifluoromethane
Concen: 0.120 ug/L
RT: 1.131 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 85 Resp: 572

Ion	Ratio	Lower	Upper
85	100		
87	35.7	26.6	40.0

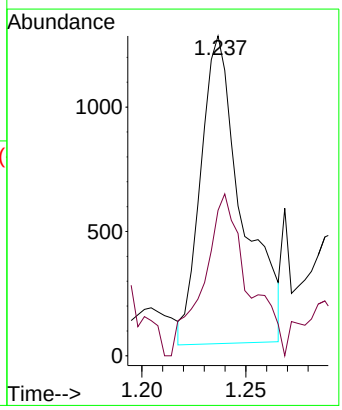


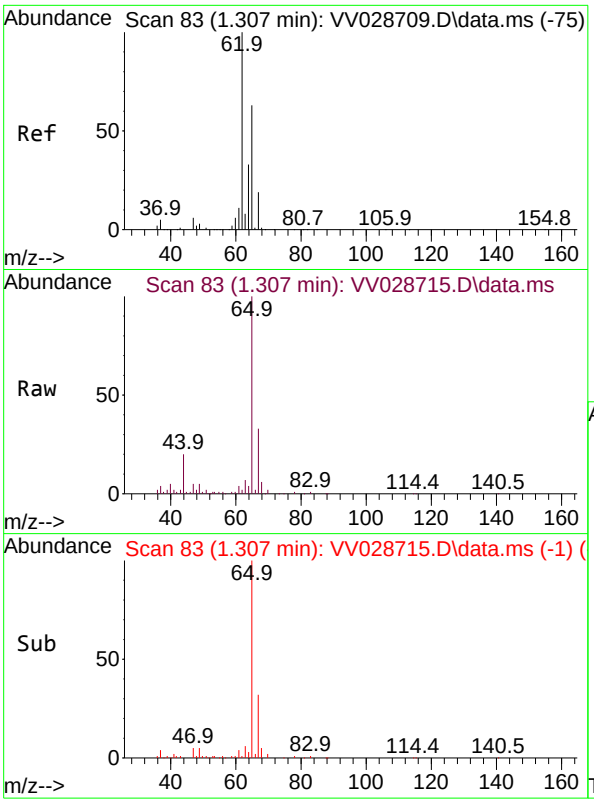


#3
Chloromethane
Concen: 0.193 ug/L
RT: 1.237 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion: 50 Resp: 1713

Ion	Ratio	Lower	Upper
50	100		
52	45.5	21.8	40.6#



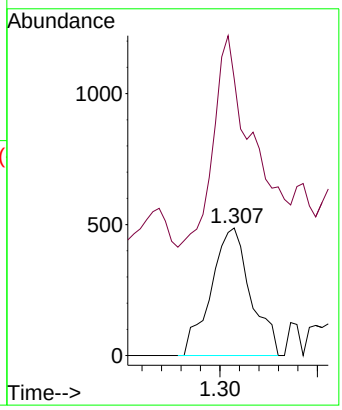


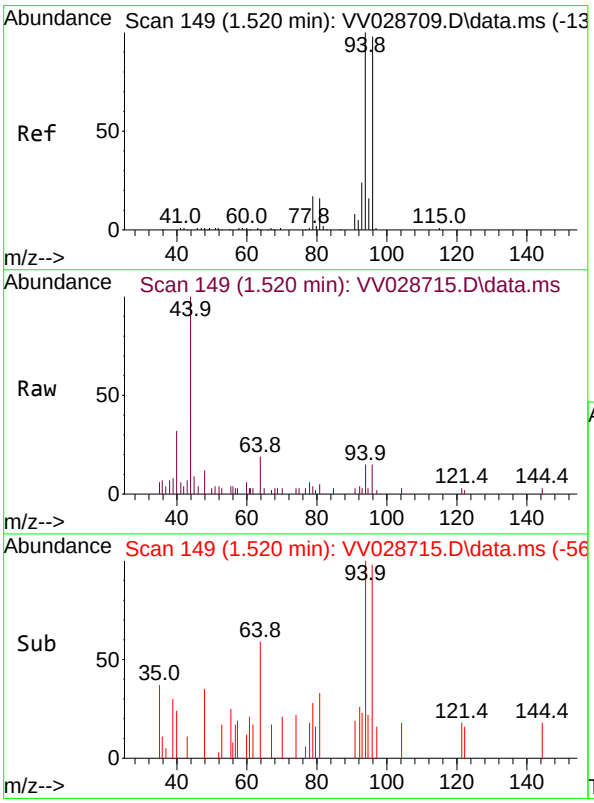
#5
Vinyl chloride
Concen: 0.078 ug/L
RT: 1.307 min Scan# 8
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 62 Resp: 687

Ion	Ratio	Lower	Upper
62	100		
64	217.0	22.0	41.0#

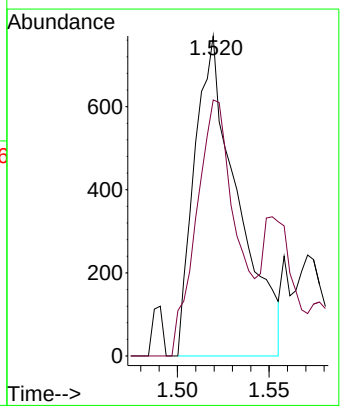


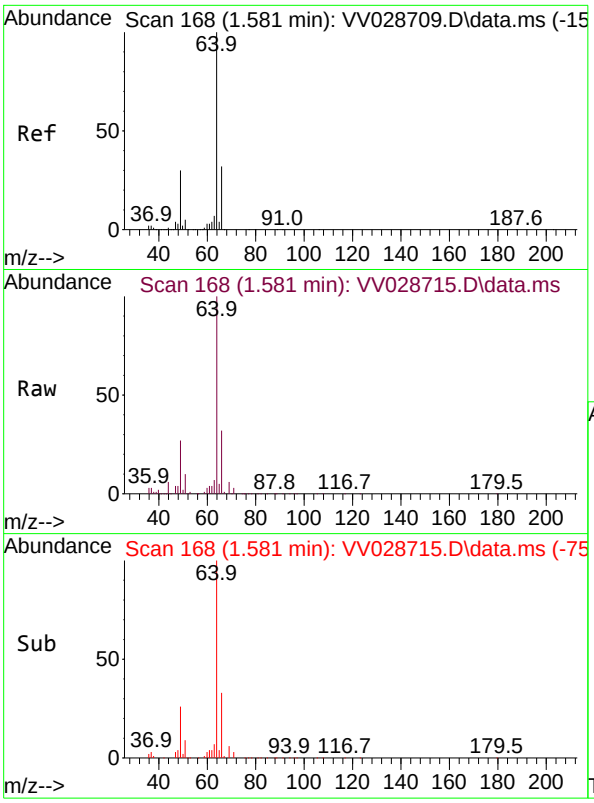


#6
Bromomethane
Concen: 0.296 ug/L
RT: 1.520 min Scan# 149
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion: 94 Resp: 1250

Ion	Ratio	Lower	Upper
94	100		
96	80.0	64.3	119.3



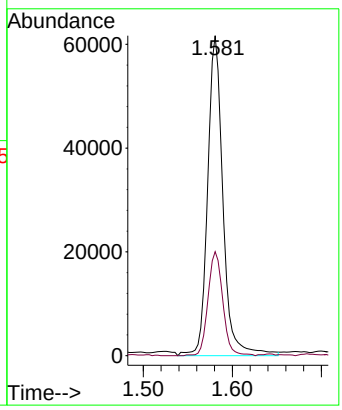


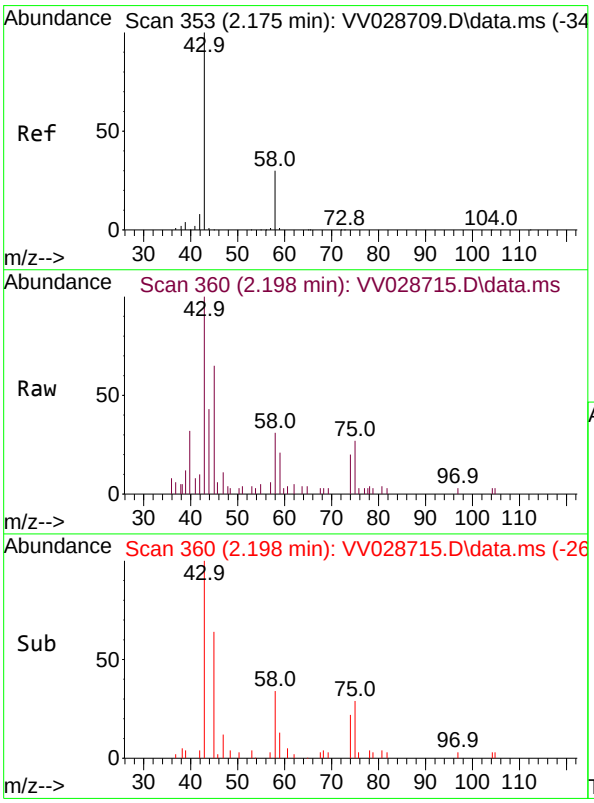
#8
Chloroethane
Concen: 12.241 ug/L
RT: 1.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 64 Resp: 73581

Ion	Ratio	Lower	Upper
64	100		
66	32.5	23.9	44.5

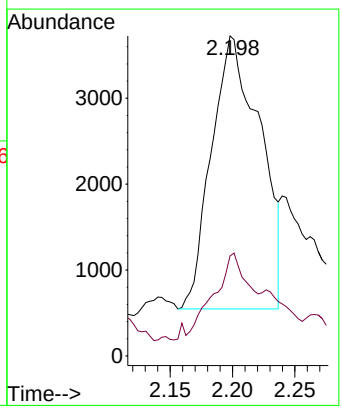


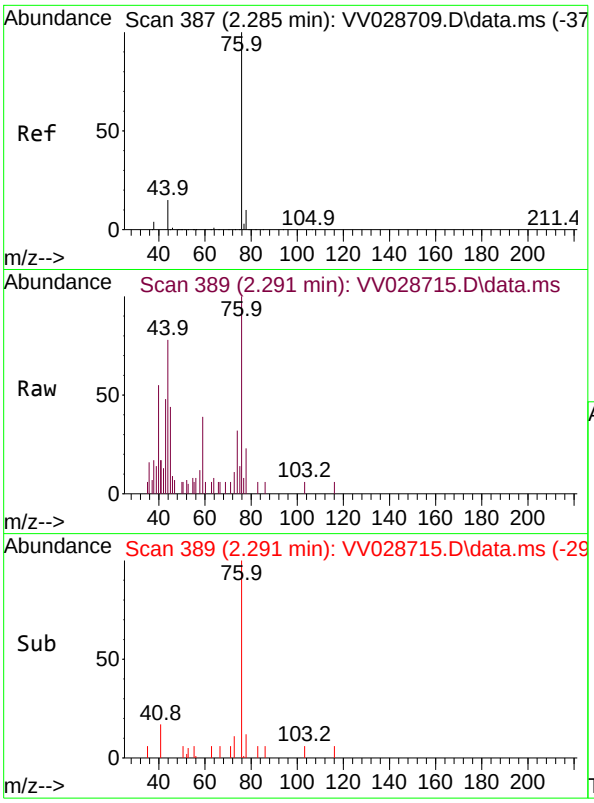


#13
Acetone
Concen: 8.104 ug/L
RT: 2.198 min Scan# 360
Delta R.T. 0.023 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion: 43 Resp: 8620

Ion	Ratio	Lower	Upper
43	100		
58	21.1	0.0	50.2



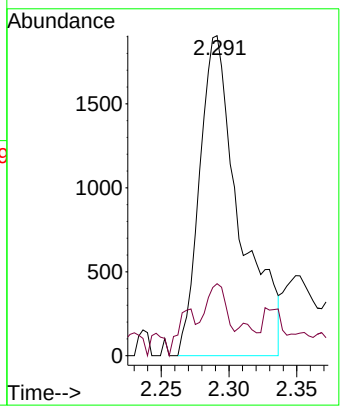


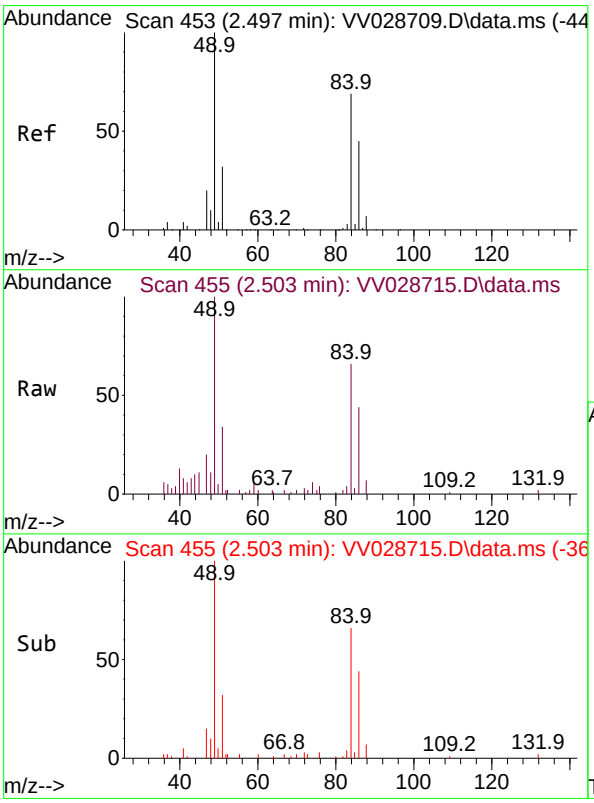
#14
Carbon disulfide
Concen: 0.272 ug/L
RT: 2.291 min Scan# 3
Delta R.T. 0.006 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 76 Resp: 3902

Ion	Ratio	Lower	Upper
76	100		
78	22.5	7.1	10.7#

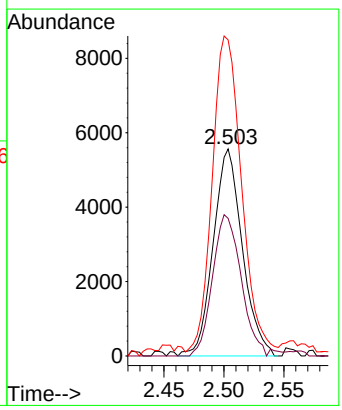


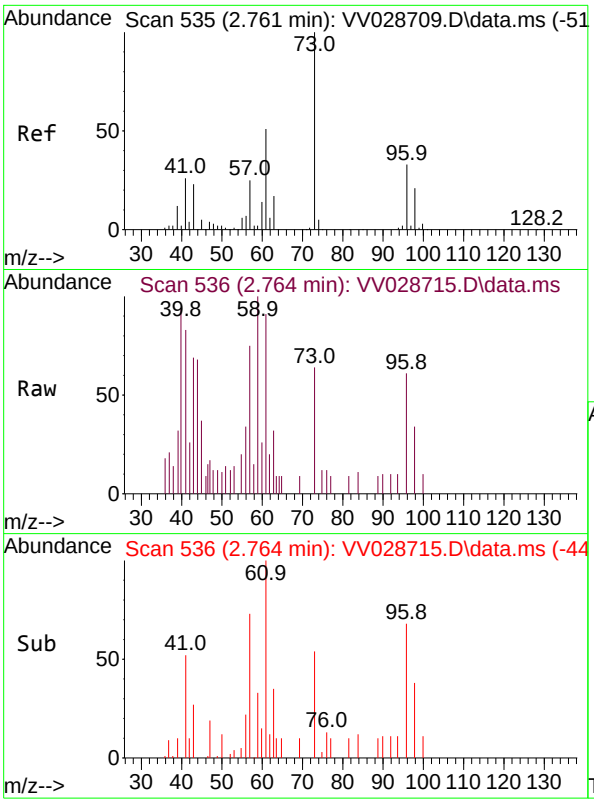


#16
Methylene chloride
Concen: 1.096 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.006 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion: 84 Resp: 9389

Ion	Ratio	Lower	Upper
84	100		
86	66.5	44.4	82.4
49	160.3	110.8	205.8



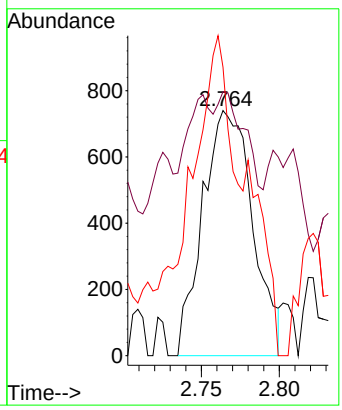


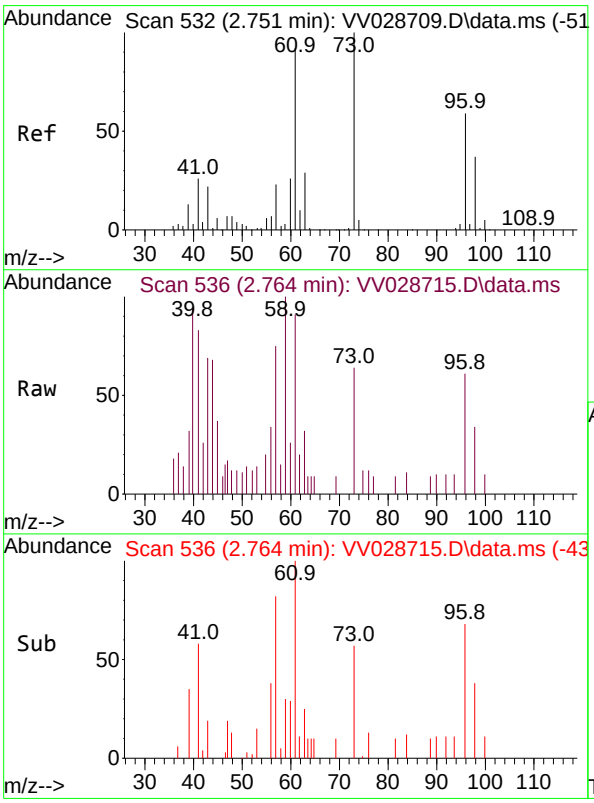
#17
Methyl tert-butyl Ether
Concen: 0.101 ug/L
RT: 2.764 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 73 Resp: 1653

Ion	Ratio	Lower	Upper
73	100		
43	14.2	18.0	27.0#
57	73.1	20.0	30.0#

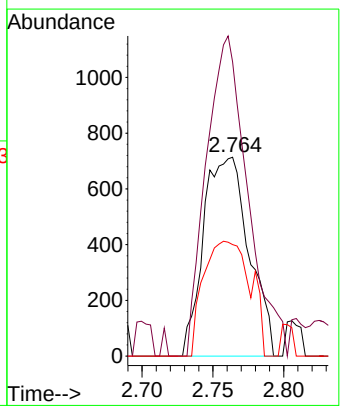


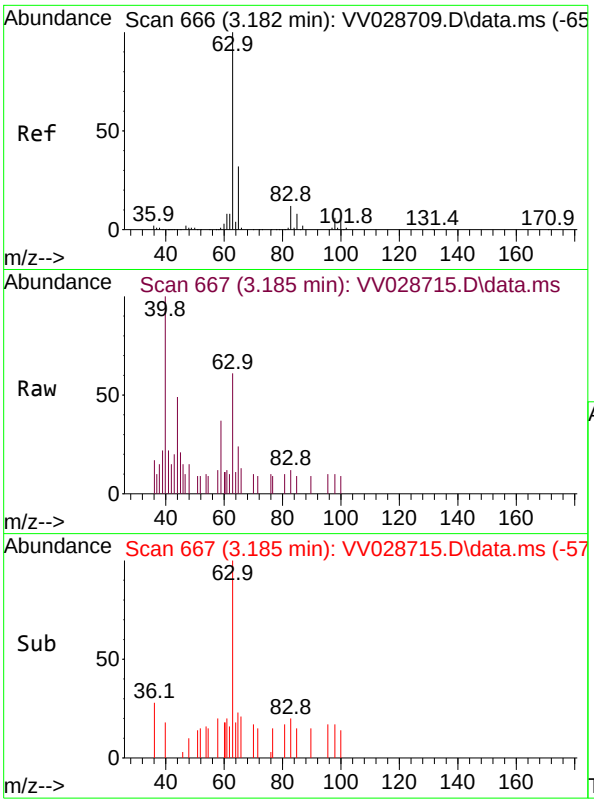


#18
trans-1,2-Dichloroethene
Concen: 0.255 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.013 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion: 96 Resp: 1597

Ion	Ratio	Lower	Upper
96	100		
61	147.9	114.3	212.3
98	56.0	45.0	83.6



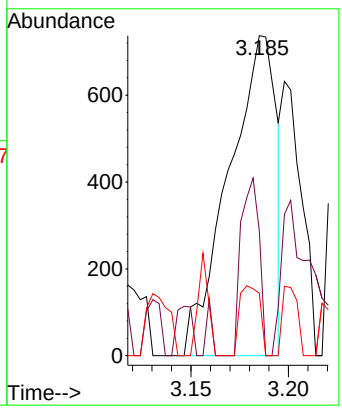


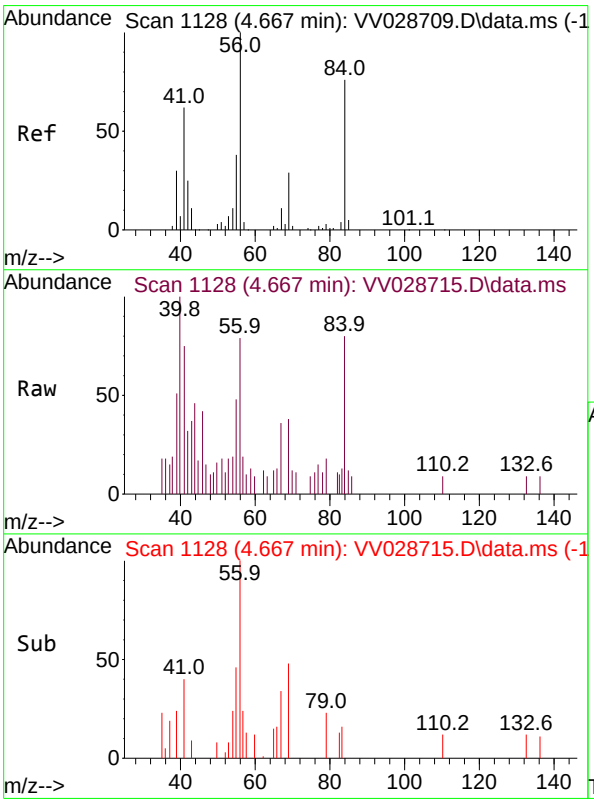
#19
1,1-Dichloroethane
Concen: 0.083 ug/L
RT: 3.185 min Scan# 6
Delta R.T. 0.003 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 63 Resp: 1245

Ion	Ratio	Lower	Upper
63	100		
65	59.7	23.1	42.9#
83	19.5	7.9	14.7#

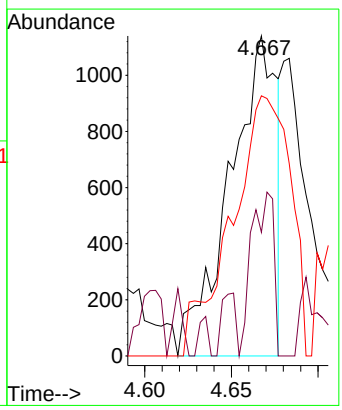


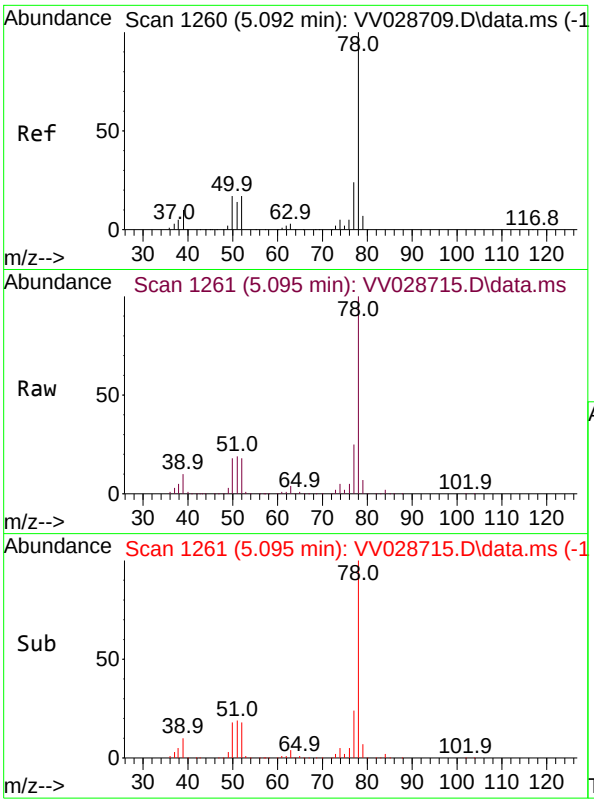


#30
Cyclohexane
Concen: 0.171 ug/L
RT: 4.667 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion: 56 Resp: 2122

Ion	Ratio	Lower	Upper
56	100		
69	24.2	22.6	34.0
84	103.3	60.4	90.6#

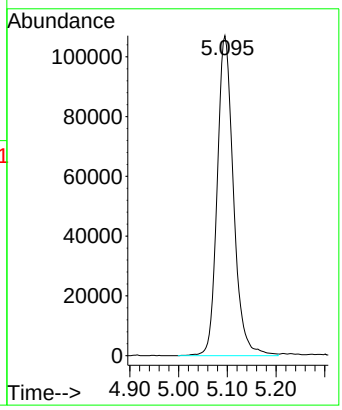


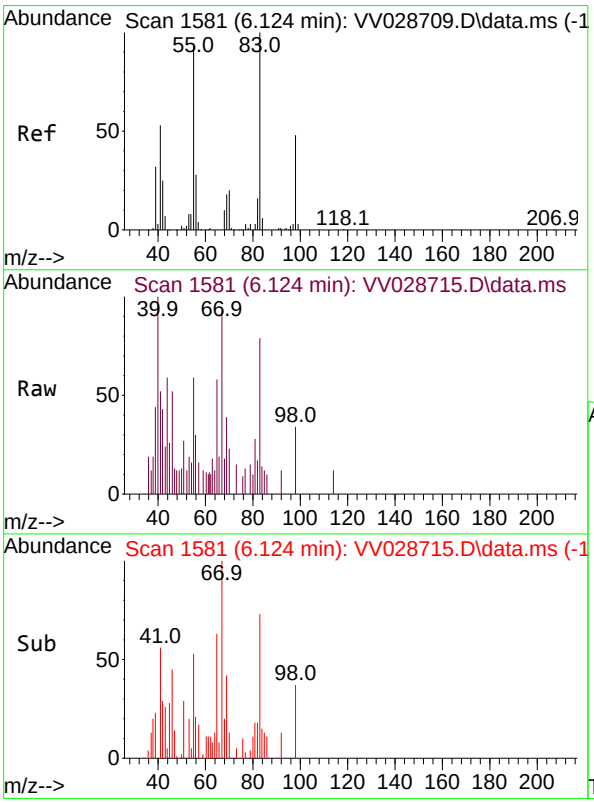


#33
Benzene
Concen: 8.314 ug/L
RT: 5.095 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 78 Resp: 248080

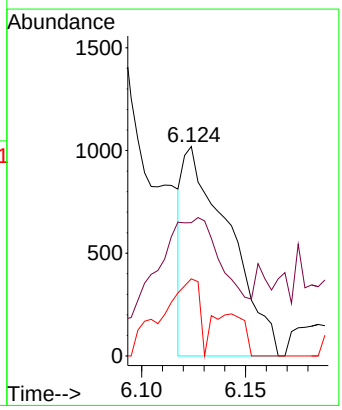


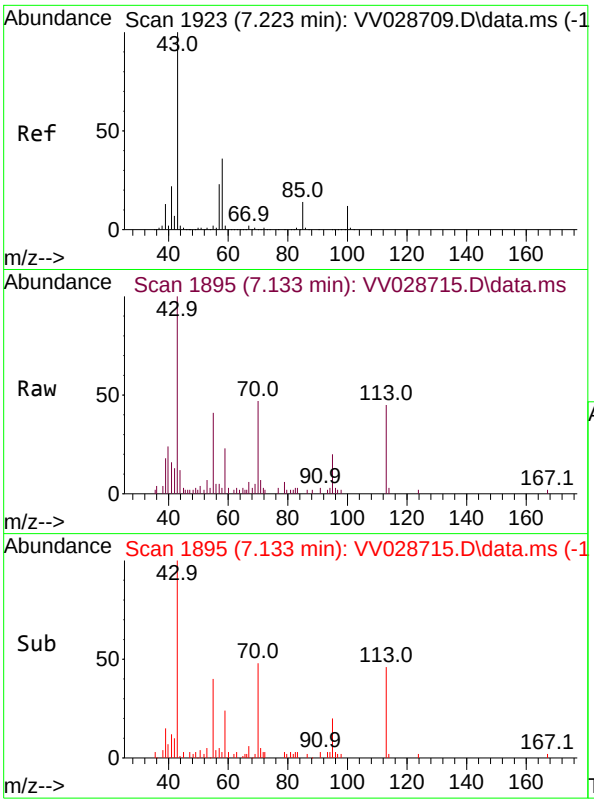


#35
Methylcyclohexane
Concen: 0.155 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion: 83 Resp: 1578

Ion	Ratio	Lower	Upper
83	100		
55	97.7	70.0	105.0
98	30.2	35.6	53.4#



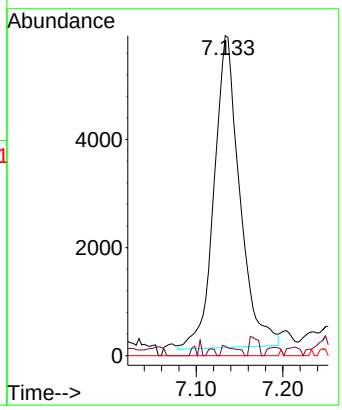


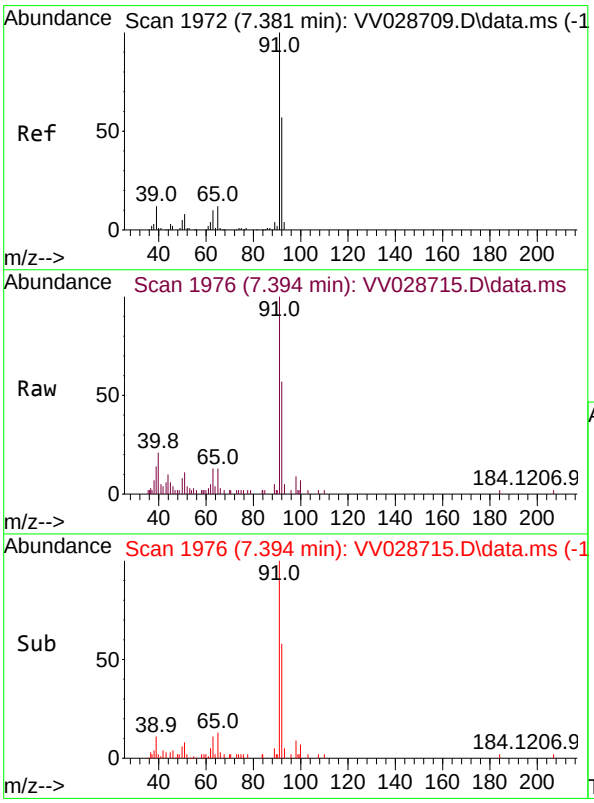
#40
4-Methyl-2-pentanone
Concen: 2.629 ug/L
RT: 7.133 min Scan# 1
Delta R.T. -0.090 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 43 Resp: 11869

Ion	Ratio	Lower	Upper
43	100		
58	1.8	29.6	44.4#
100	0.0	9.4	14.0#

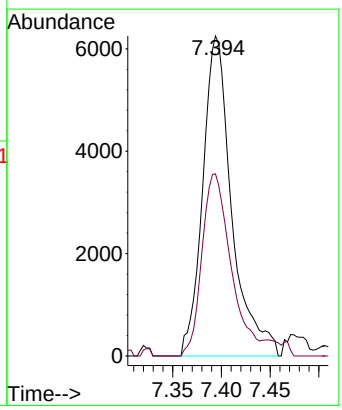


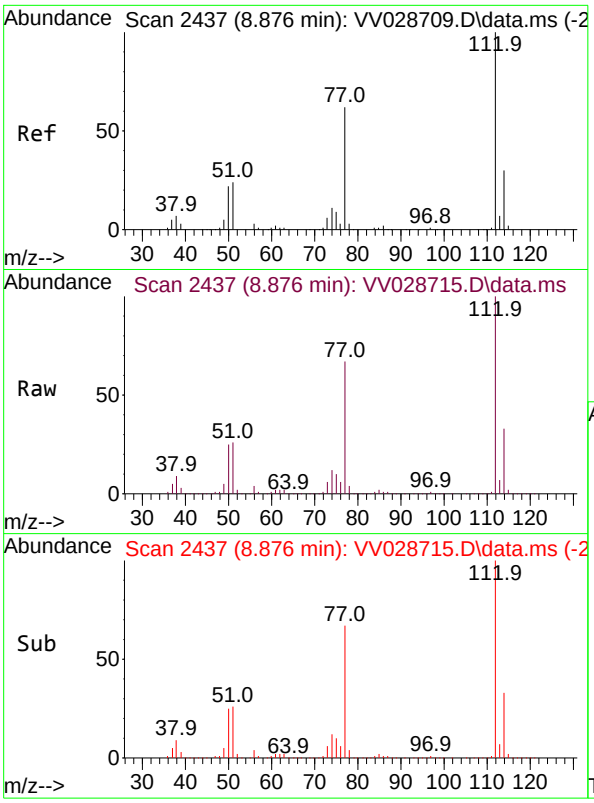


#42
Toluene
Concen: 0.458 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.013 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion: 91 Resp: 12952

Ion	Ratio	Lower	Upper
91	100		
92	56.9	40.5	75.3



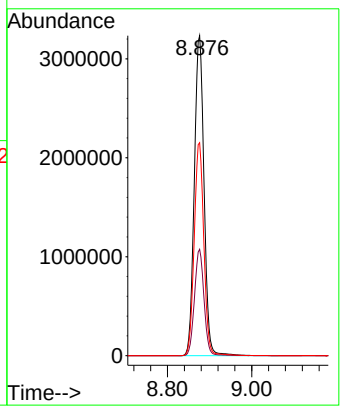


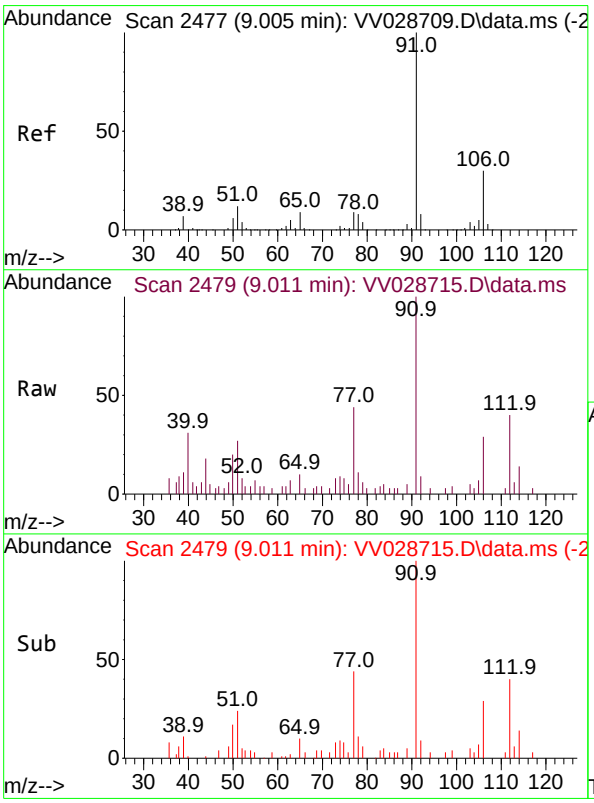
#51
Chlorobenzene
Concen: 289.968 ug/L
RT: 8.876 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion:112 Resp: 5165826

Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.0	41.0
77	66.6	50.0	75.0

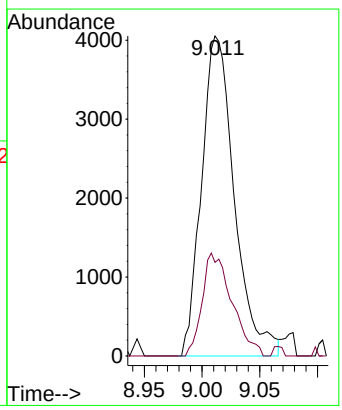


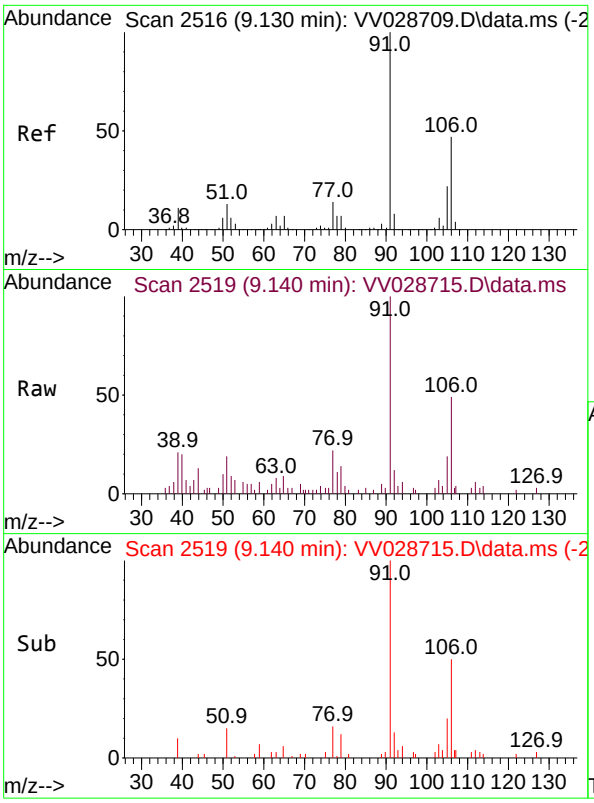


#52
Ethylbenzene
Concen: 0.255 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion: 91 Resp: 8012

Ion	Ratio	Lower	Upper
91	100		
106	29.2	21.3	39.6



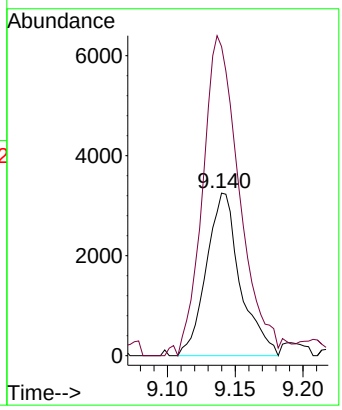


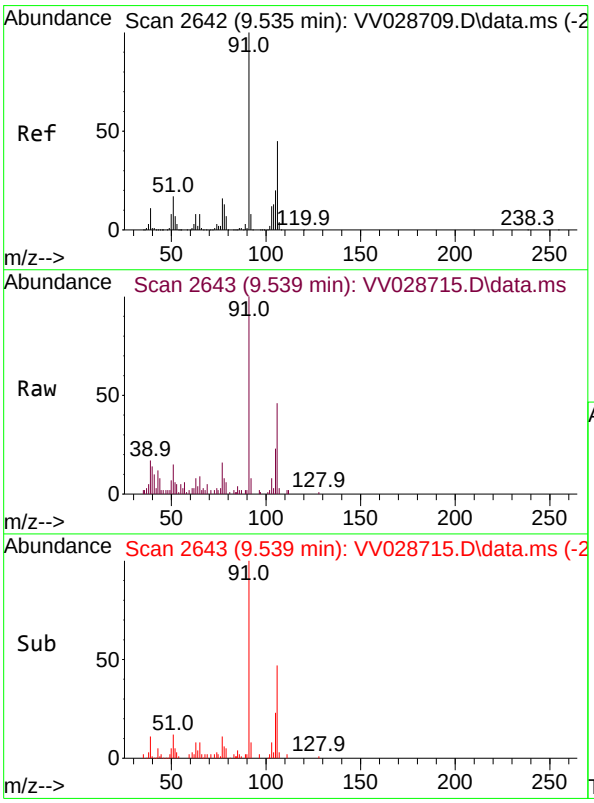
#53
m,p-Xylene
Concen: 0.496 ug/L
RT: 9.140 min Scan# 2
Delta R.T. 0.010 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion:106 Resp: 5628

Ion	Ratio	Lower	Upper
106	100		
91	190.1	145.5	270.1

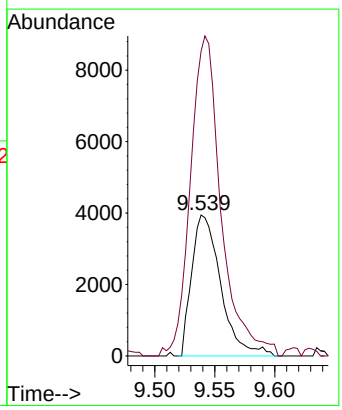


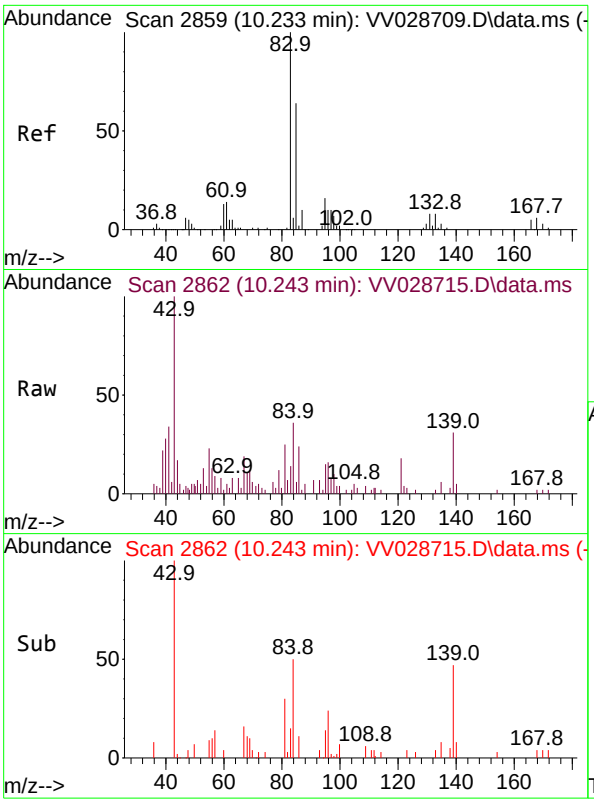


#54
o-Xylene
Concen: 0.582 ug/L
RT: 9.539 min Scan# 2643
Delta R.T. 0.003 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion:106 Resp: 6646

Ion	Ratio	Lower	Upper
106	100		
91	216.2	159.0	295.4



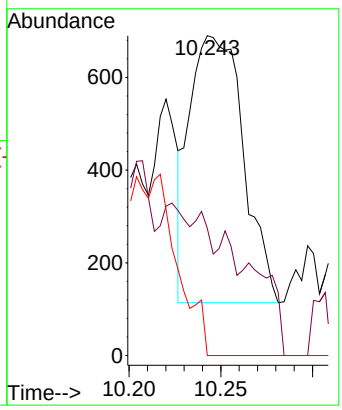


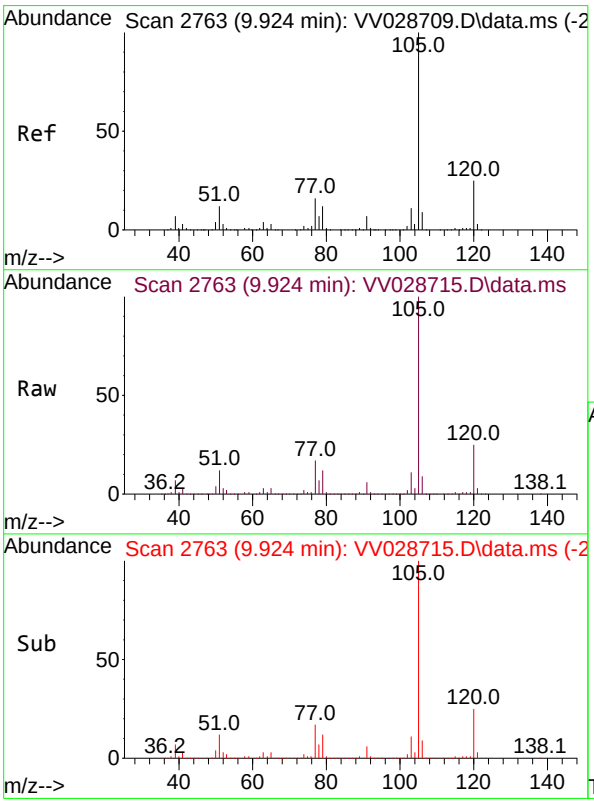
#57
1,1,2,2-Tetrachloroethane
Concen: 0.200 ug/L
RT: 10.243 min Scan# 2
Delta R.T. 0.010 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 83 Resp: 1173

Ion	Ratio	Lower	Upper
83	100		
85	39.7	43.0	80.0#
131	0.0	6.5	9.7#

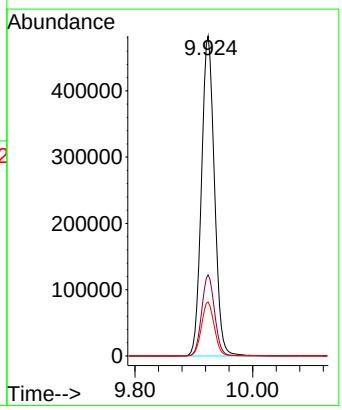


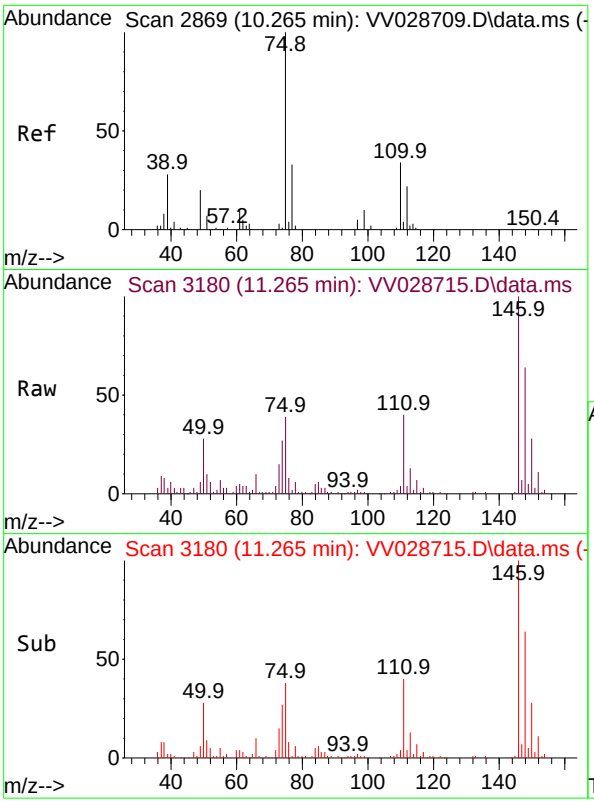


#60
Isopropylbenzene
Concen: 28.830 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion:105 Resp: 737515

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1
77	16.7	13.4	20.0



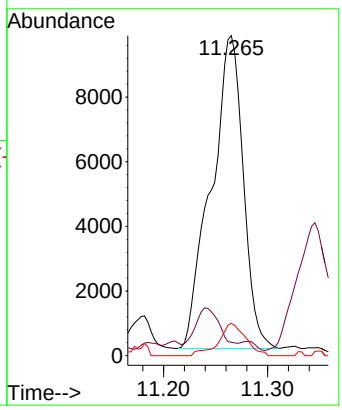


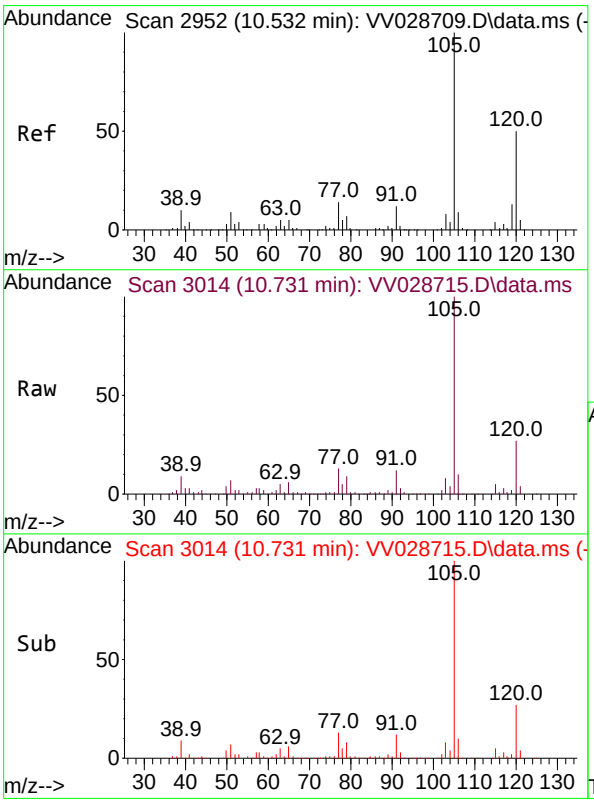
#61
1,2,3-Trichloropropane
Concen: 5.961 ug/L
RT: 11.265 min Scan# 3
Delta R.T. 1.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 75 Resp: 20808

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.2	37.8#
110	8.6	27.9	41.9#

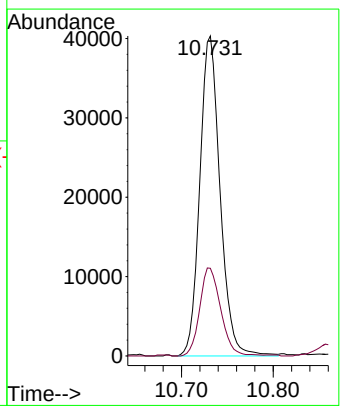


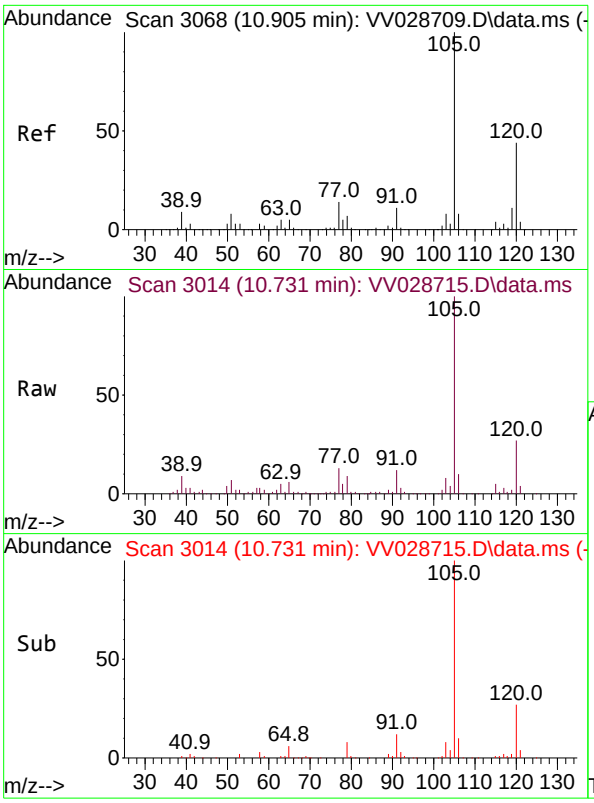


#62
1,3,5-Trimethylbenzene
Concen: 8.306 ug/L
RT: 10.731 min Scan# 3014
Delta R.T. 0.199 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion:105 Resp: 61987

Ion	Ratio	Lower	Upper
105	100		
120	28.5	38.3	57.5#



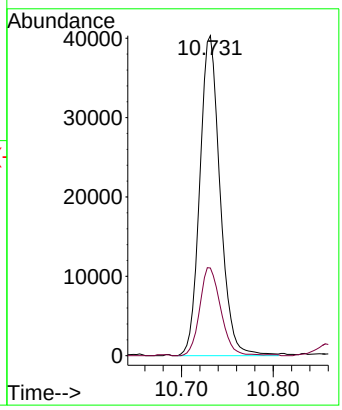


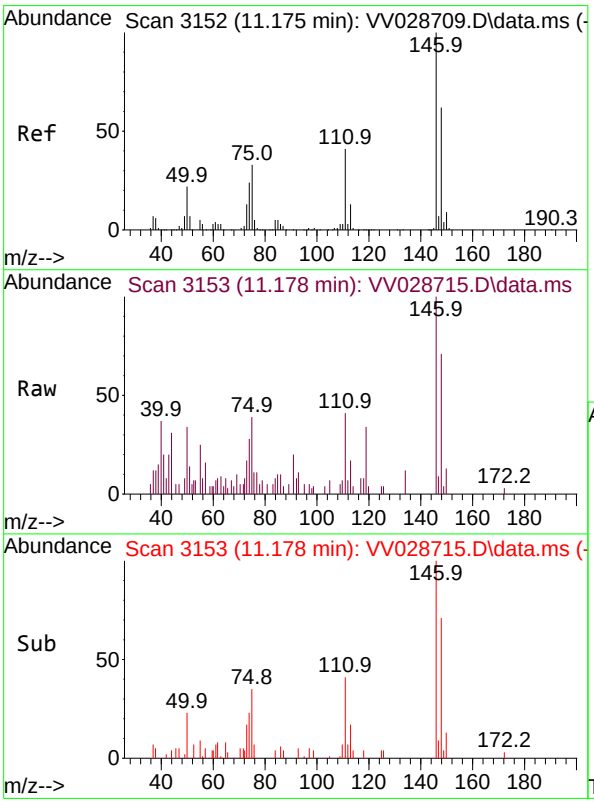
#63
1,2,4-Trimethylbenzene
Concen: 2.999 ug/L
RT: 10.731 min Scan# 3
Delta R.T. -0.174 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion:105 Resp: 61987

Ion	Ratio	Lower	Upper
105	100		
120	28.5	36.2	54.2#

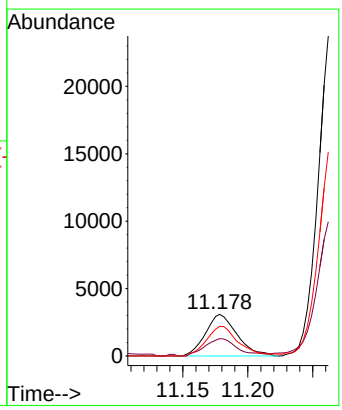


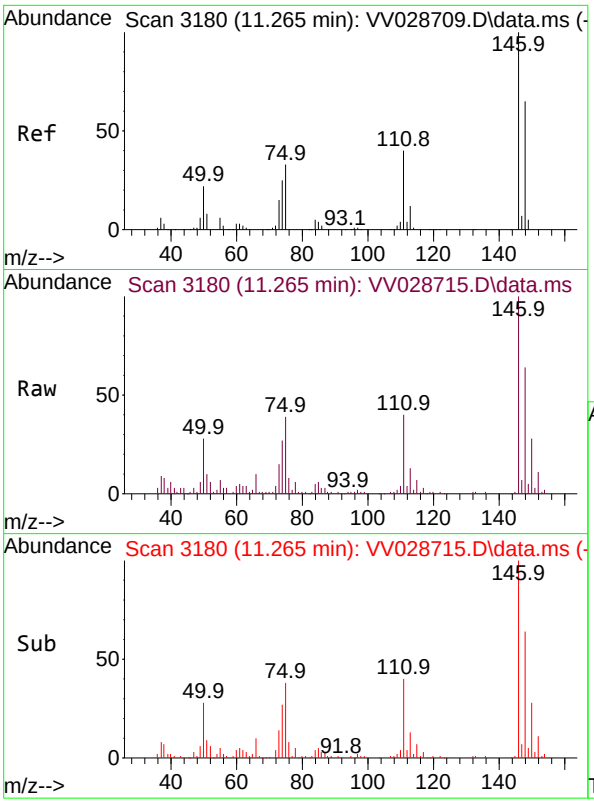


#64
1,3-Dichlorobenzene
Concen: 0.471 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion:146 Resp: 5190

Ion	Ratio	Lower	Upper
146	100		
111	41.4	29.0	53.9
148	71.2	44.5	82.7



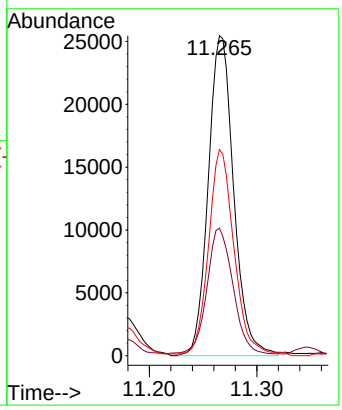


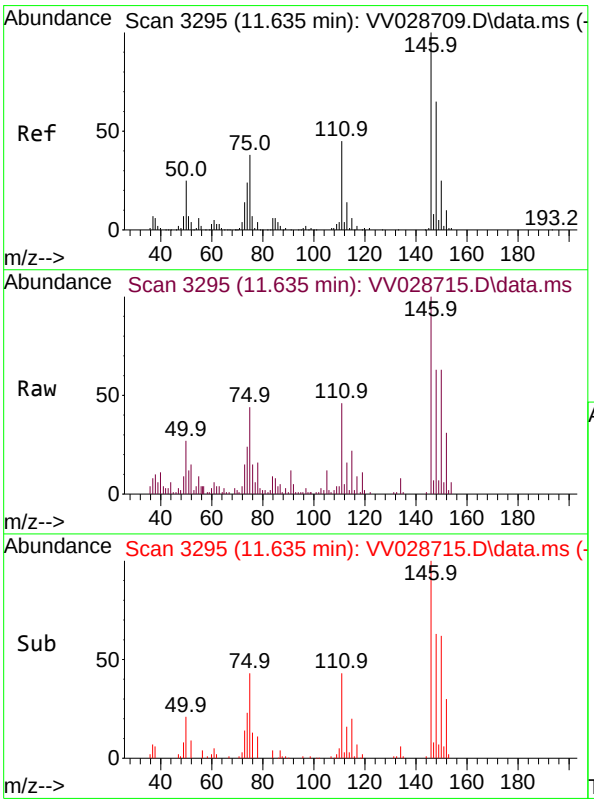
#65
1,4-Dichlorobenzene
Concen: 3.814 ug/L
RT: 11.265 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion:146 Resp: 41934

Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.6	53.2
148	64.4	44.3	82.3

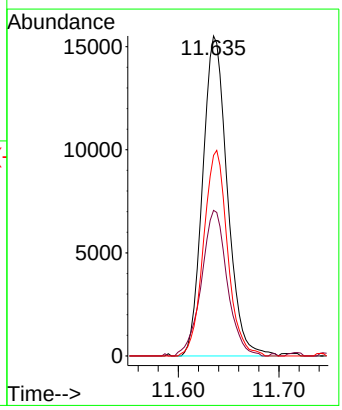


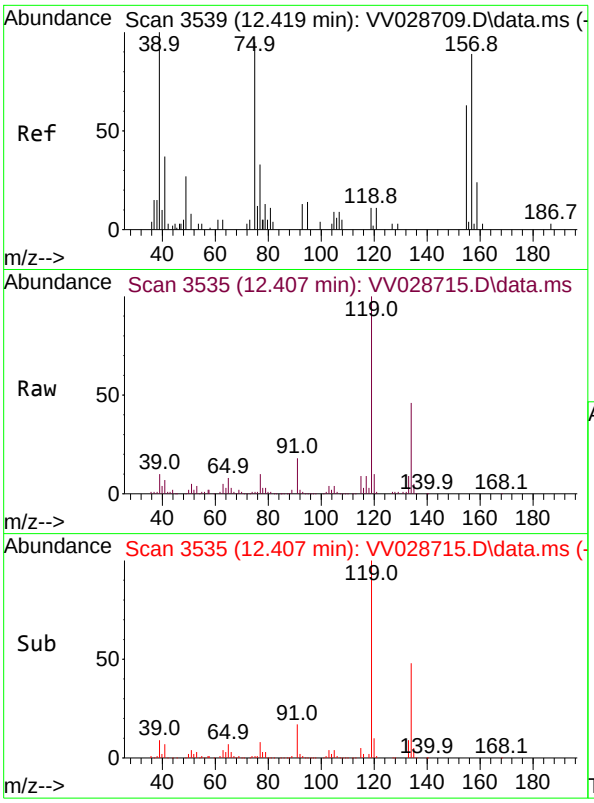


#67
1,2-Dichlorobenzene
Concen: 2.621 ug/L
RT: 11.635 min Scan# 3295
Delta R.T. 0.000 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion:146 Resp: 26408

Ion	Ratio	Lower	Upper
146	100		
111	45.5	36.2	54.4
148	62.7	50.6	75.8



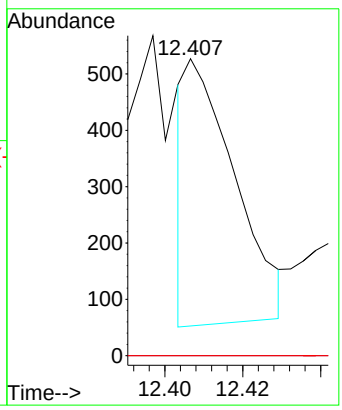


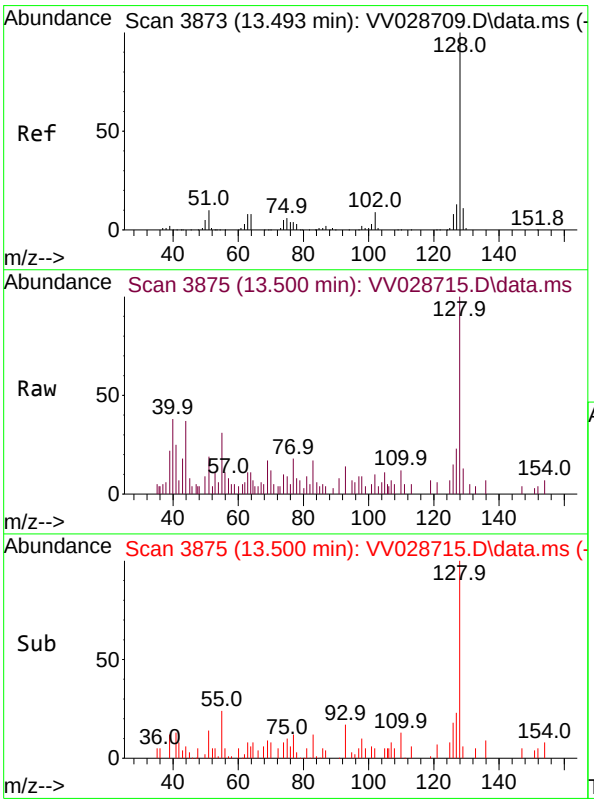
#68
1,2-Dibromo-3-chloropropane
Concen: 0.579 ug/L
RT: 12.407 min Scan# 3
Delta R.T. -0.013 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Tgt Ion: 75 Resp: 416

Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.2	87.2#
157	0.0	71.5	107.3#





#71
Naphthalene
Concen: 0.506 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.006 min
Lab File: VV028715.D
Acq: 27 Oct 2022 13:12

Tgt Ion:128 Resp: 5520

Ion	Ratio	Lower	Upper
128	100		
129	16.5	8.9	13.3#
127	18.7	10.2	15.4#