Quantitation Report (QT Reviewed)

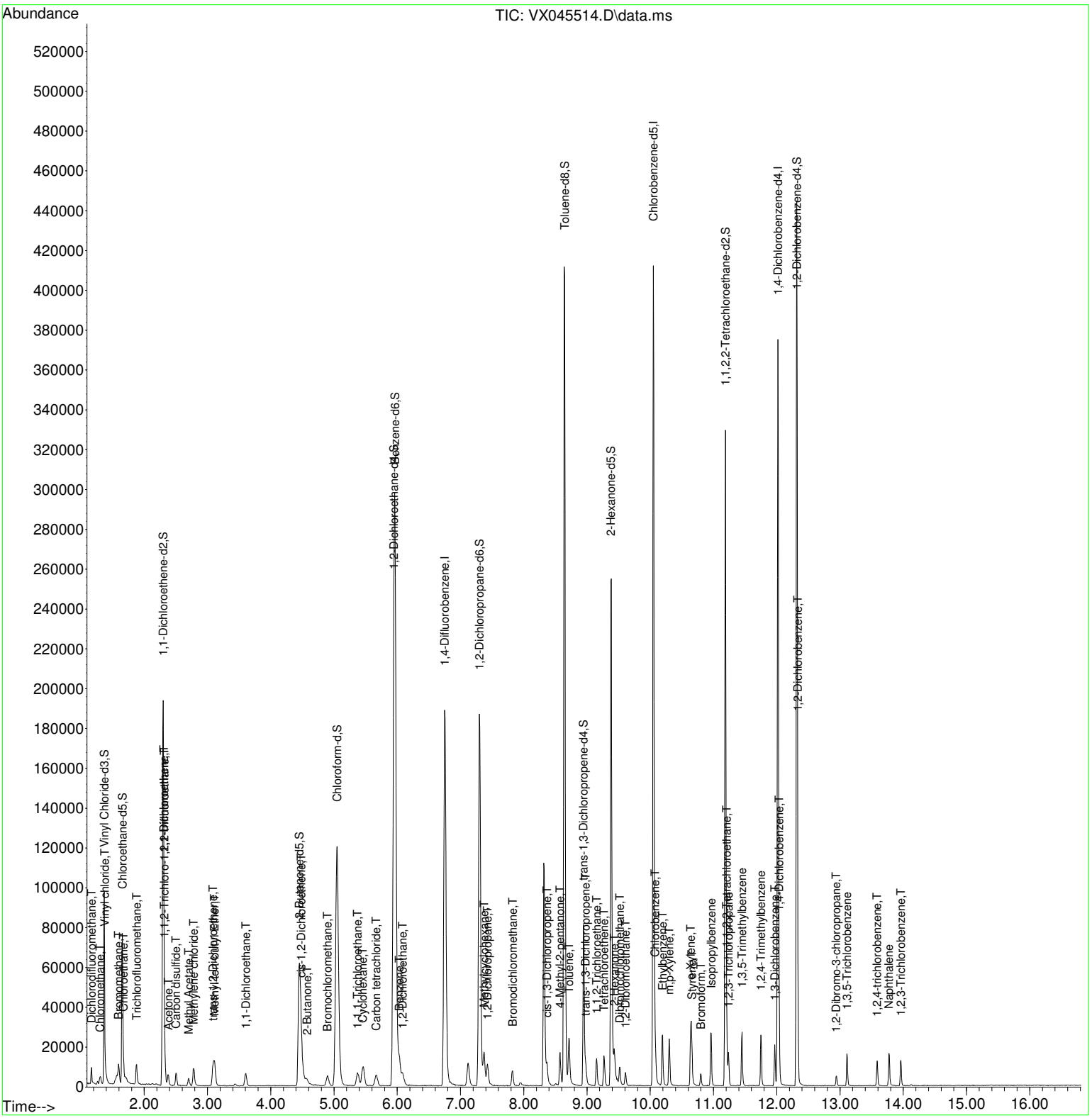
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033125\
Data File : VX045514.D
Acq On : 31 Mar 2025 11:44
Operator : JC/MD
Sample : Q1546-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 07 12:13:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM032825WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 07 12:12:10 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2025-02

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



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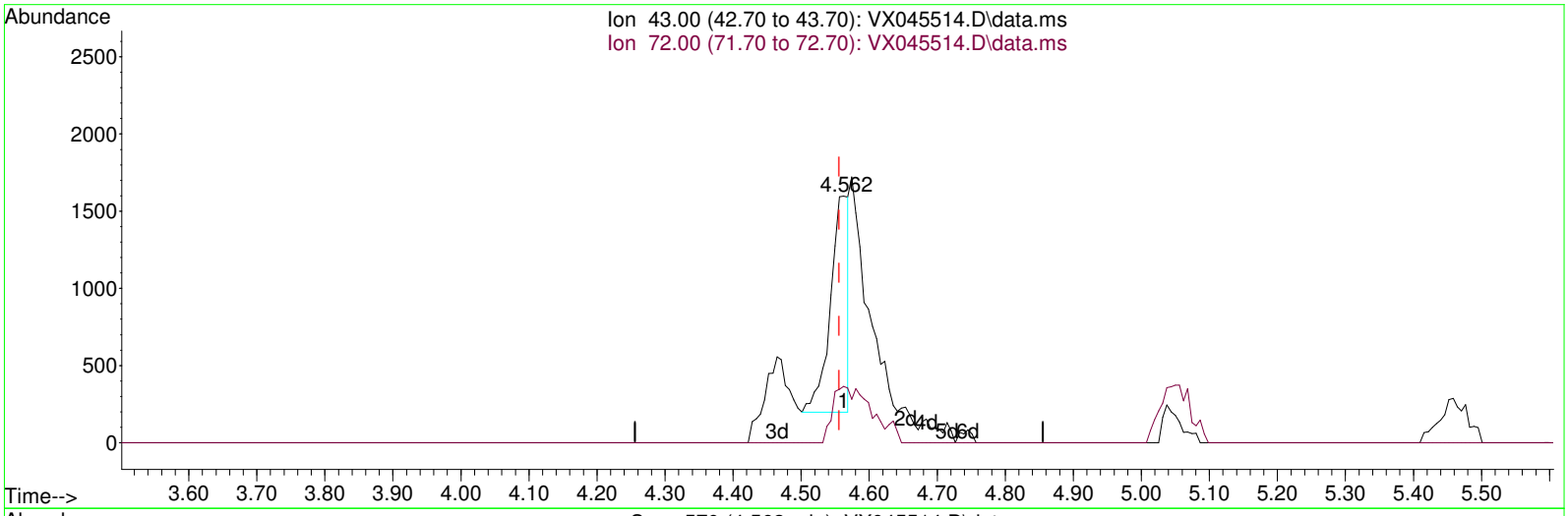

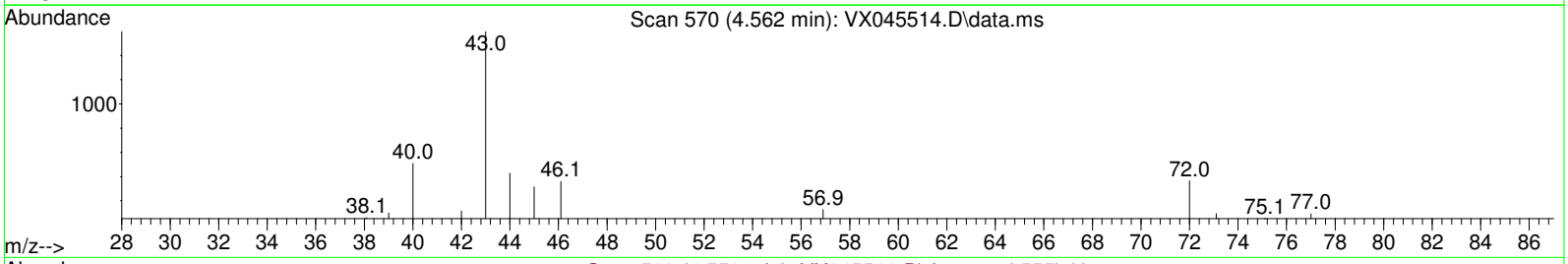

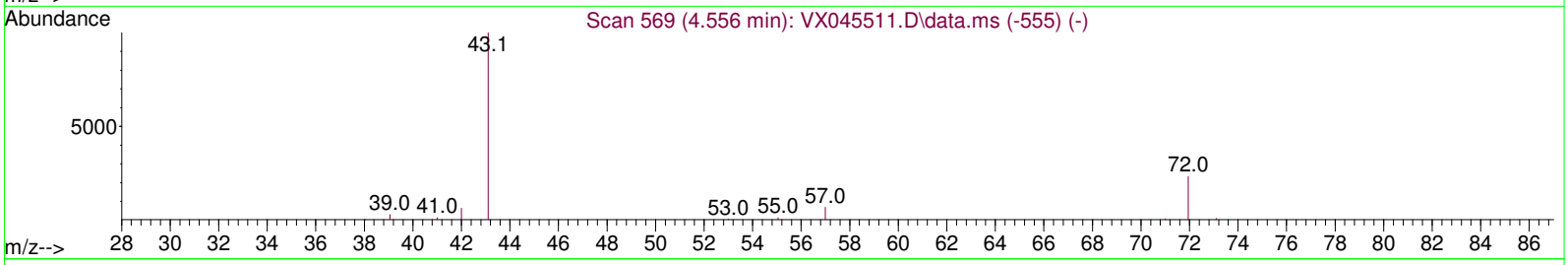

TIC: VX045514.D\data.ms

(22) 2-Butanone (T)

4.562min (+ 0.006) 2.08 ug/L

response 2594

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.80	27.18
0.00	0.00	0.00
0.00	0.00	0.00

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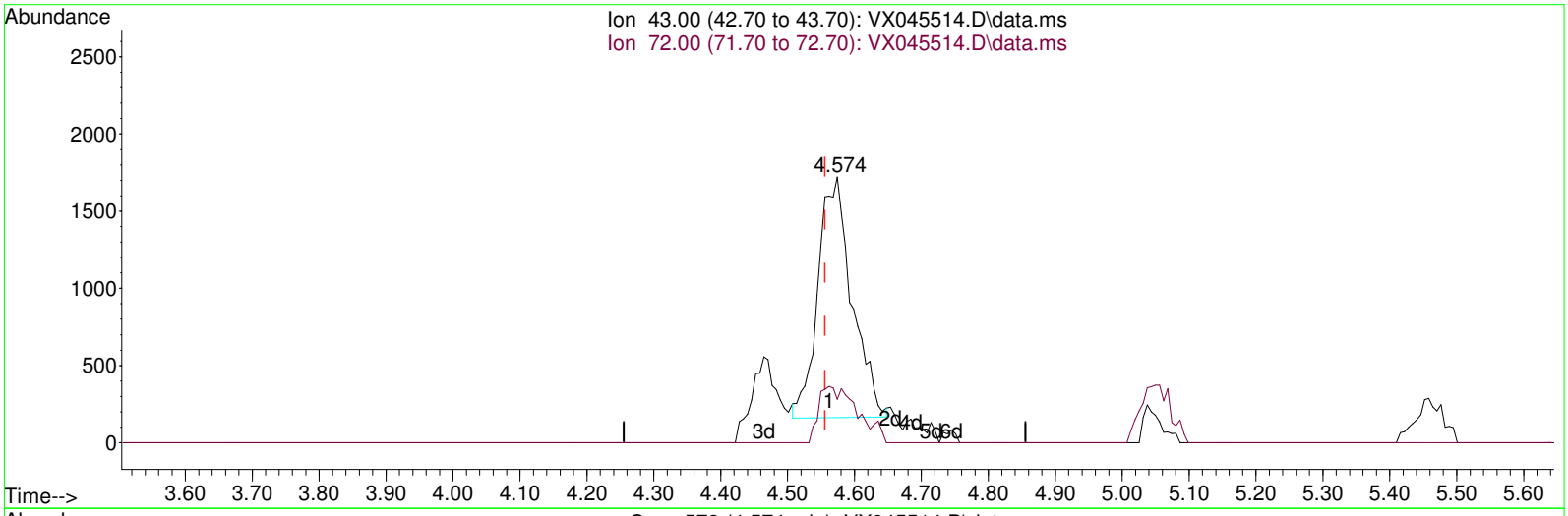

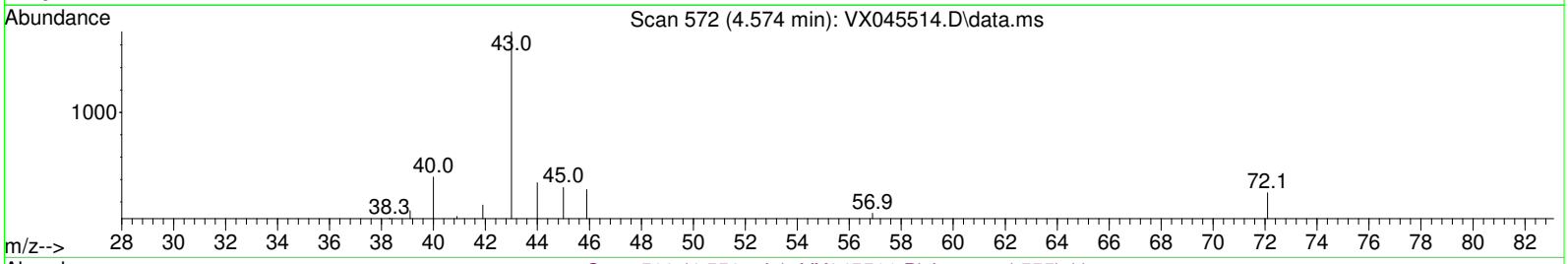

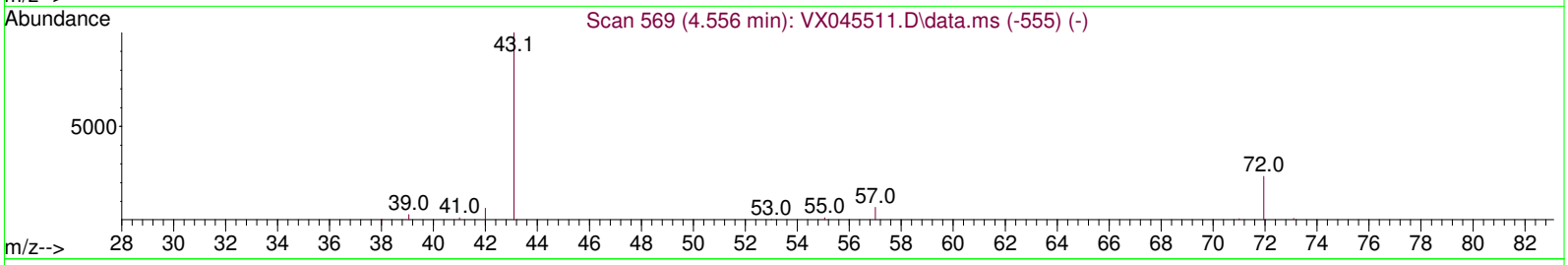

TIC: VX045514.D\data.ms

(22) 2-Butanone (T)

4.574min (+ 0.018) 4.39 ug/L m

response 5478

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.80	12.87#
0.00	0.00	0.00
0.00	0.00	0.00

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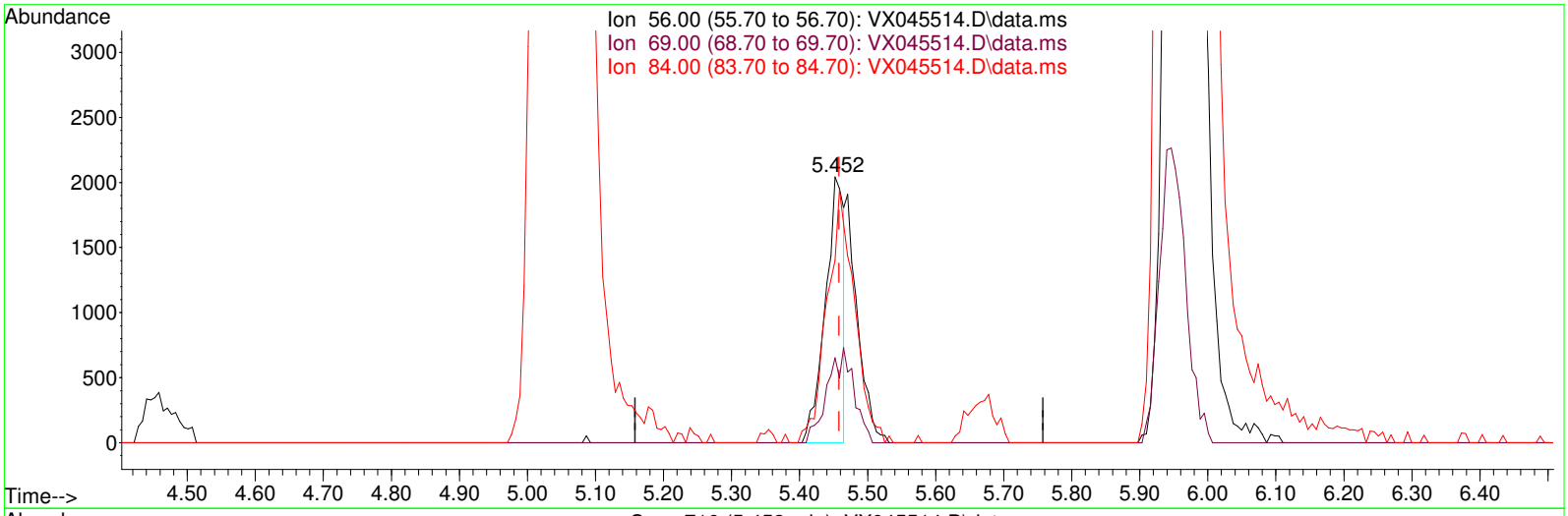

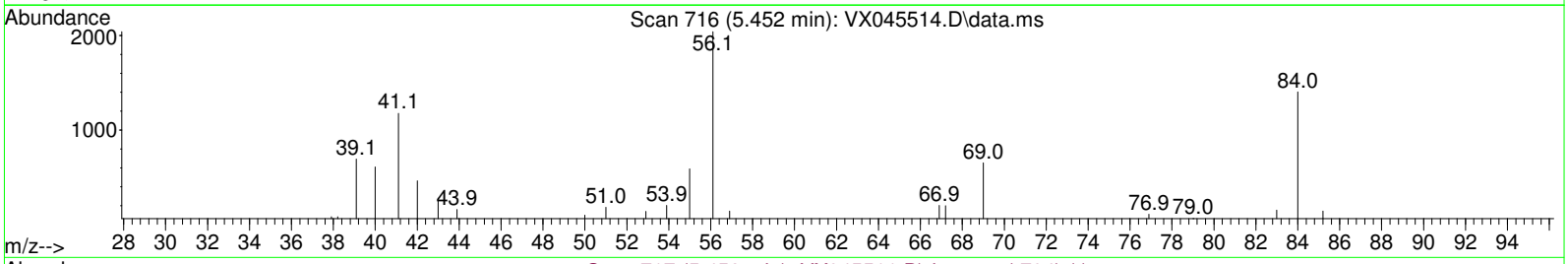

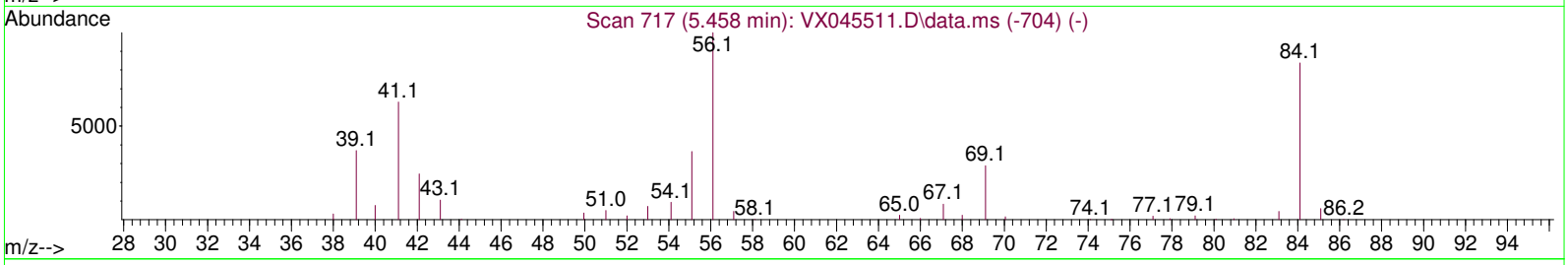

TIC: VX045514.D\data.ms

(29) Cyclohexane (T)

5.452min (-0.006) 1.56 ug/L

response 3835

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	31.80	26.21
84.00	89.50	141.90#
0.00	0.00	0.00

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Manual IntegrationsAPPROVED

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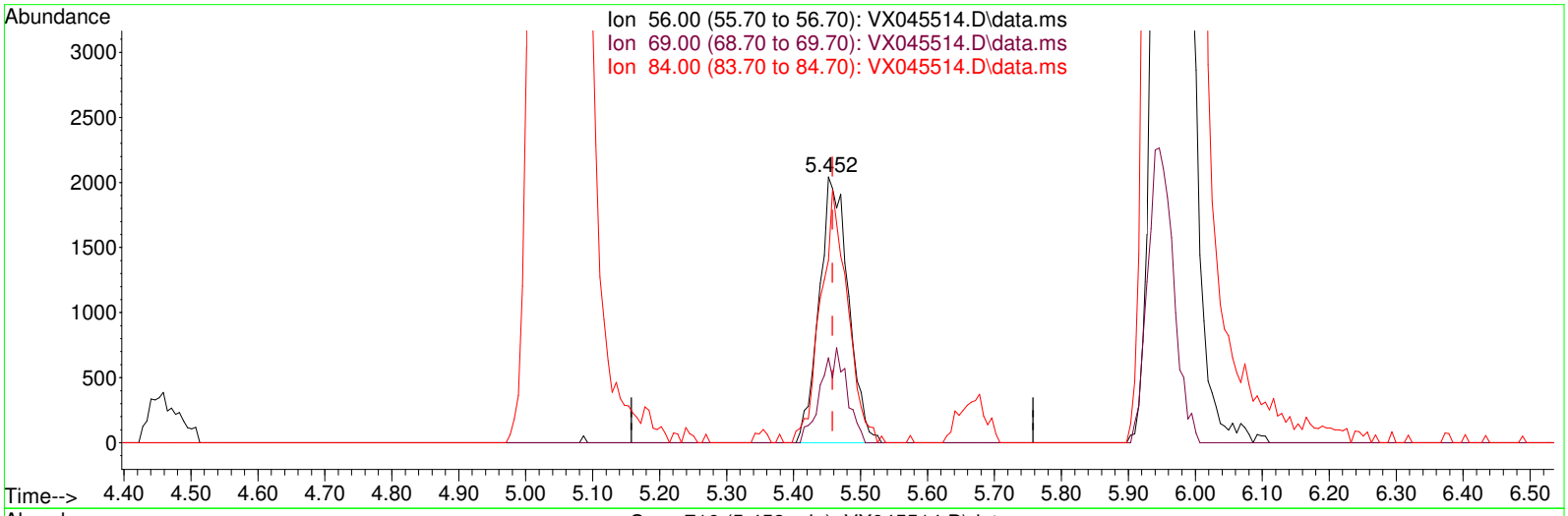

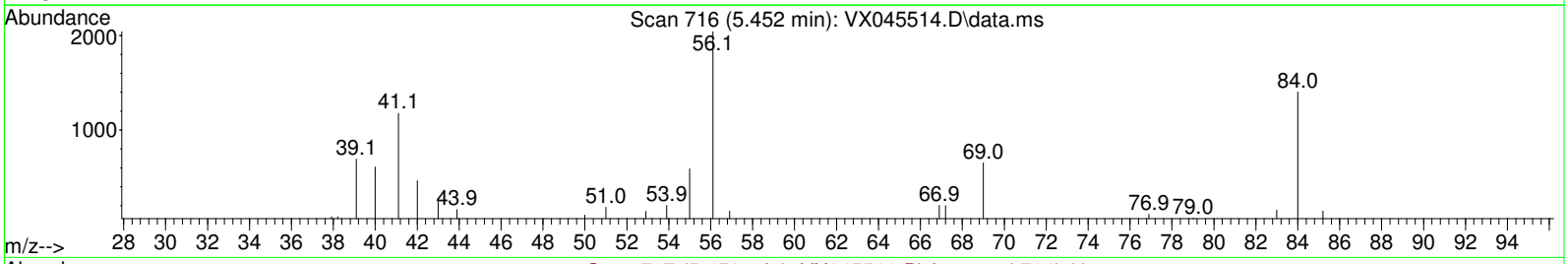

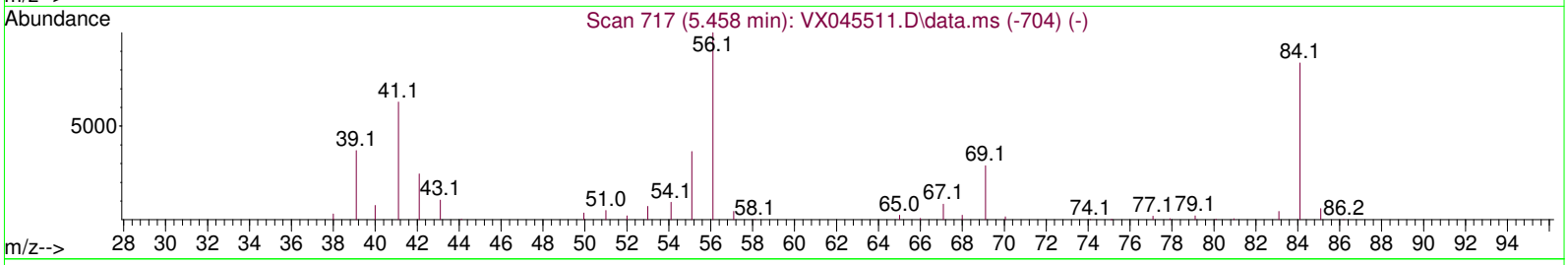

TIC: VX045514.D\data.ms

(29) Cyclohexane (T)

5.452min (-0.006) 2.52 ug/L m

response 6179

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	31.80	16.26#
84.00	89.50	88.07
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	182553	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	162011	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	67747	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	61430	45.002	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 90.000%			
7) Chloroethane-d5	1.654	69	46823	52.360	ug/L	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.720%			
11) 1,1-Dichloroethene-d2	2.300	65	34443	48.425	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.860%			
21) 2-Butanone-d5	4.452	46	104320	114.869	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 114.870%			
24) Chloroform-d	5.050	84	149660	49.402	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.800%			
26) 1,2-Dichloroethane-d4	5.946	65	106358	50.183	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.360%			
32) Benzene-d6	5.964	84	276199	52.585	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.180%			
36) 1,2-Dichloropropane-d6	7.299	67	87537	51.754	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.500%			
41) Toluene-d8	8.647	98	241180	50.852	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.700%			
43) trans-1,3-Dichloroprop...	8.945	79	35311	50.844	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 101.680%			
47) 2-Hexanone-d5	9.378	63	71211	110.390	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 110.390%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	114694	51.083	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.160%			
66) 1,2-Dichlorobenzene-d4	12.317	152	77015	53.478	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	4678	2.397	ug/L	100
3) Chloromethane	1.301	50	4042	2.346	ug/L	91
5) Vinyl chloride	1.374	62	4439	2.771	ug/L #	80
6) Bromomethane	1.593	94	1938	2.705	ug/L	88
8) Chloroethane	1.672	64	2110	2.635	ug/L	92
9) Trichlorofluoromethane	1.880	101	6093	2.769	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	4679	3.337	ug/L	88
12) 1,1-Dichloroethene	2.313	96	4025	3.216	ug/L #	1
13) Acetone	2.380	43	5822	6.766	ug/L	92
14) Carbon disulfide	2.502	76	7949	2.465	ug/L	99
15) Methyl Acetate	2.703	43	4320	2.528	ug/L	91
16) Methylene chloride	2.782	84	4017	2.770	ug/L	90
17) trans-1,2-Dichloroethene	3.087	96	3250	2.597	ug/L	91
18) Methyl tert-butyl Ether	3.111	73	10793	2.485	ug/L #	94
19) 1,1-Dichloroethane	3.605	63	6895	2.640	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	4103	2.847	ug/L	96
22) 2-Butanone	4.574	43	5478m	4.387	ug/L	
23) Bromochloromethane	4.897	128	1778	2.493	ug/L #	72
27) 1,2-Dichloroethane	6.086	62	6311	2.684	ug/L	95

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
29) Cyclohexane	5.452	56	6179m	2.516 ug/L	
30) 1,1,1-Trichloroethane	5.373	97	6138	2.763 ug/L #	66
31) Carbon tetrachloride	5.666	117	5087	2.640 ug/L	96
33) Benzene	6.031	78	14383	2.705 ug/L	100
35) Methylcyclohexane	7.373	83	6256	2.772 ug/L	95
37) 1,2-Dichloropropane	7.427	63	3484	2.417 ug/L #	91
38) Bromodichloromethane	7.824	83	5265	2.659 ug/L	90
39) cis-1,3-Dichloropropene	8.366	75	5534	2.621 ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	10443	4.732 ug/L #	94
42) Toluene	8.714	91	14798	2.713 ug/L	94
44) trans-1,3-Dichloropropene	8.976	75	5201	2.644 ug/L	86
45) 1,1,2-Trichloroethane	9.153	97	3778	2.729 ug/L	98
46) Tetrachloroethene	9.269	164	2686	2.772 ug/L	99
48) 2-Hexanone	9.433	43	10000	6.011 ug/L #	92
49) Dibromochloromethane	9.519	129	3652	2.644 ug/L	99
50) 1,2-Dibromoethane	9.610	107	3778	2.623 ug/L	96
51) Chlorobenzene	10.073	112	9208	2.690 ug/L	97
52) Ethylbenzene	10.195	91	15707	2.558 ug/L	96
53) m,p-Xylene	10.299	106	5468	2.456 ug/L	99
54) o-Xylene	10.640	106	5337	2.441 ug/L	99
55) Styrene	10.659	104	8696	2.376 ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.207	83	6425	2.952 ug/L #	98
59) Bromoform	10.799	173	2094	2.448 ug/L #	98
60) Isopropylbenzene	10.963	105	14377	2.601 ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	4588	2.777 ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	11323	2.504 ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	11221	2.528 ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	5673	2.526 ug/L	86
65) 1,4-Dichlorobenzene	12.036	146	6112	2.729 ug/L	98
67) 1,2-Dichlorobenzene	12.329	146	6525	2.921 ug/L #	94
68) 1,2-Dibromo-3-chloropr...	12.939	75	1055	2.375 ug/L	88
69) 1,3,5-Trichlorobenzene	13.109	180	3659	2.574 ug/L	95
70) 1,2,4-trichlorobenzene	13.585	180	2994	2.388 ug/L	97
71) Naphthalene	13.774	128	11155	2.353 ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	2836	2.201 ug/L	94

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