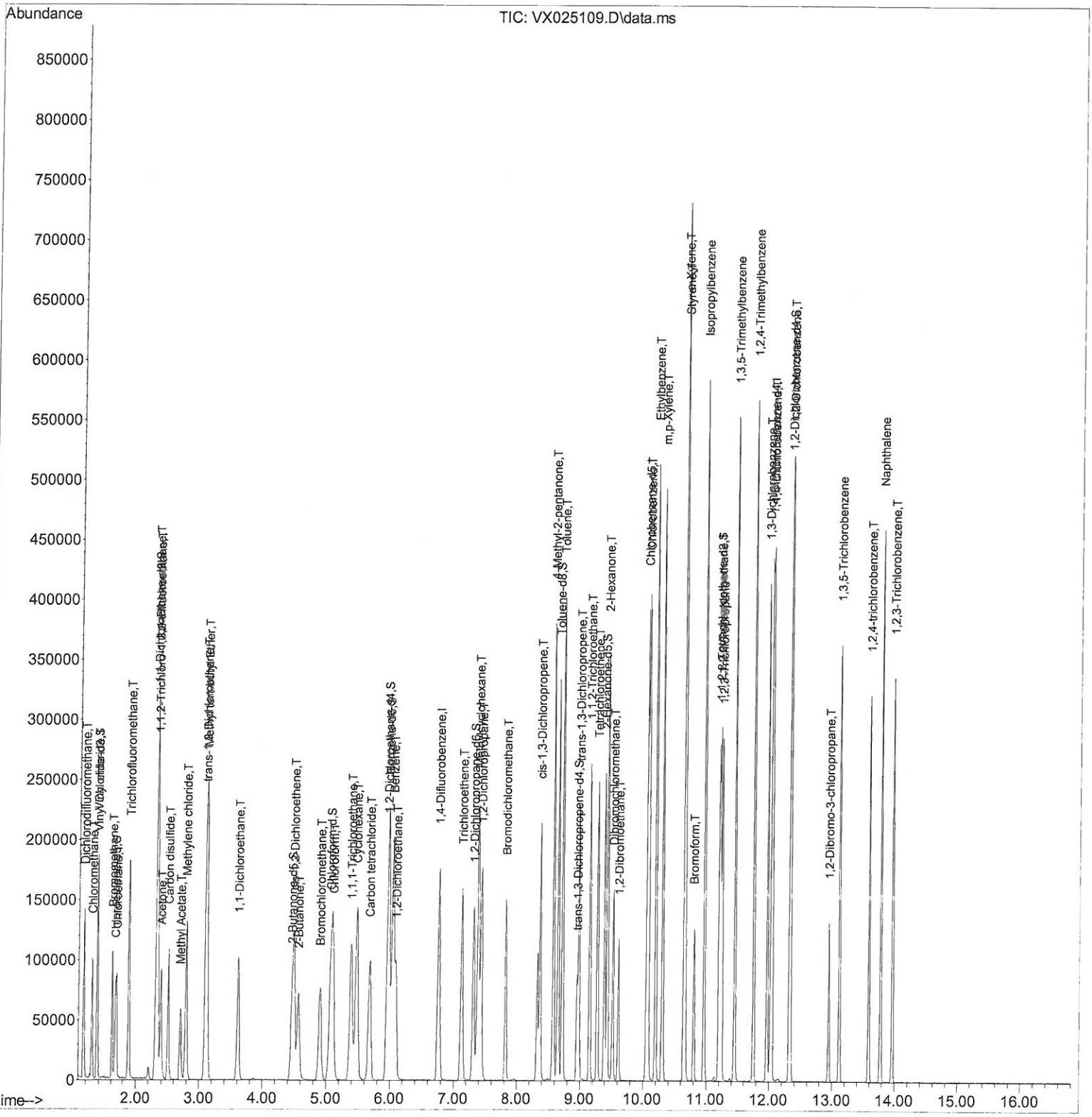
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110921\
Data File : VX025109.D
Acq On : 09 Nov 2021 10:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 10 02:40:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM110821WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 09 03:59:51 2021
Response via : Initial Calibration

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/10/2021
Supervised By :Mahesh Dadoda 11/10/2021



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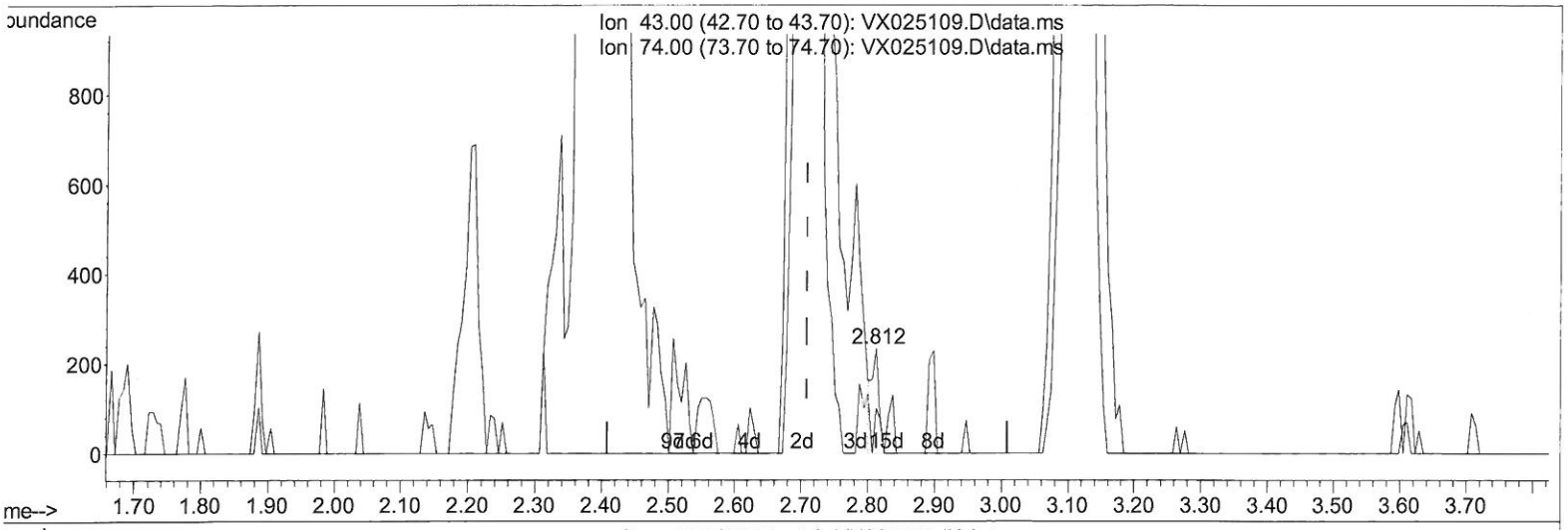

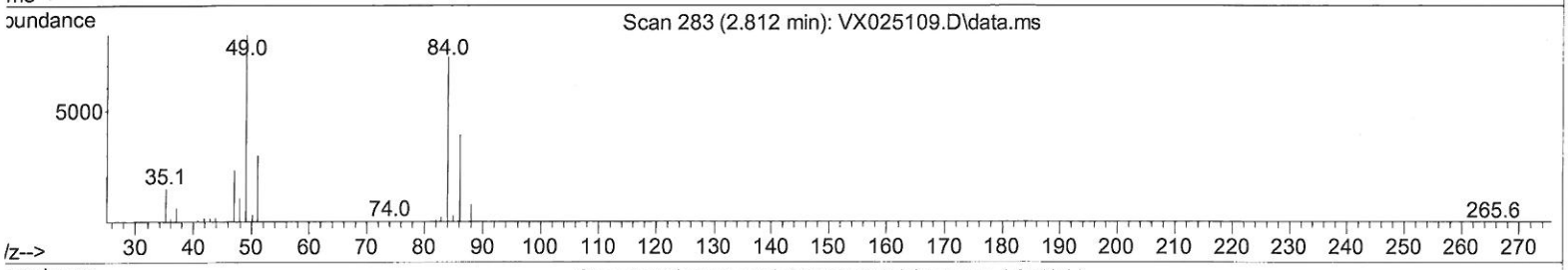

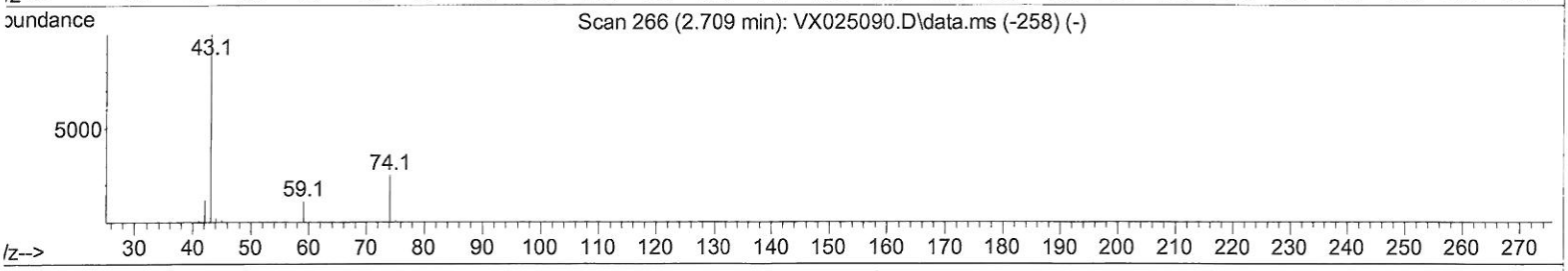

TIC: VX025109.D\data.ms

(15) Methyl Acetate (T)

2.812min (+ 0.103) 0.14 ug/L

response 177

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	35.70	36.72
0.00	0.00	0.00
0.00	0.00	0.00

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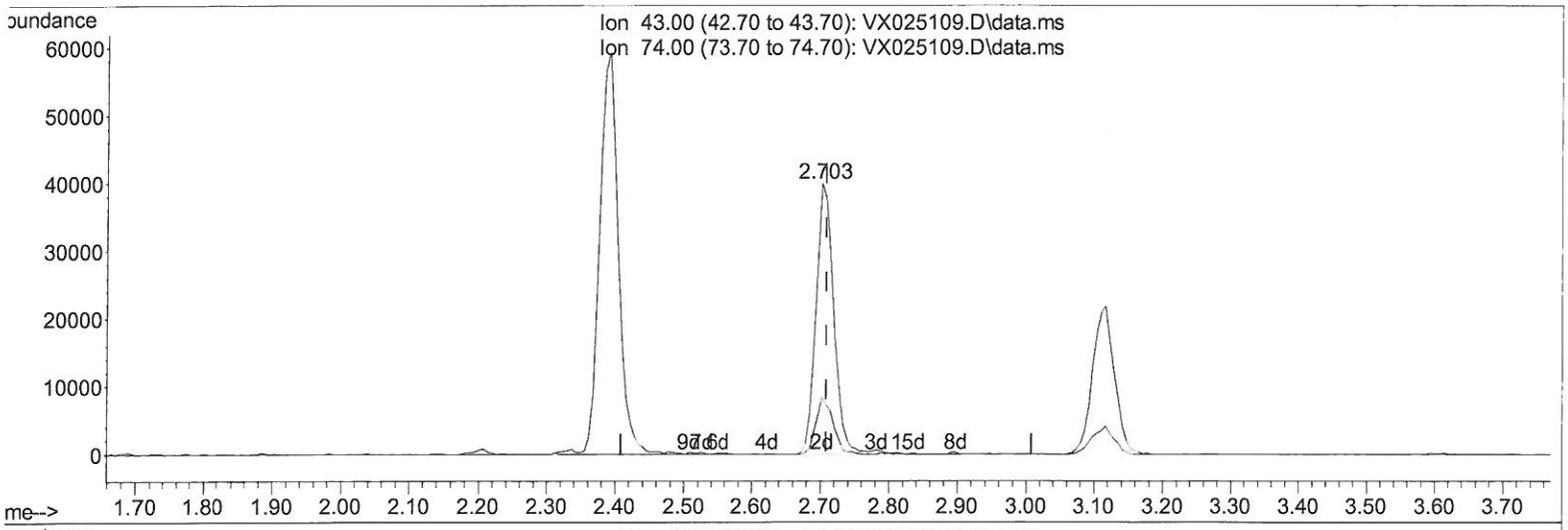

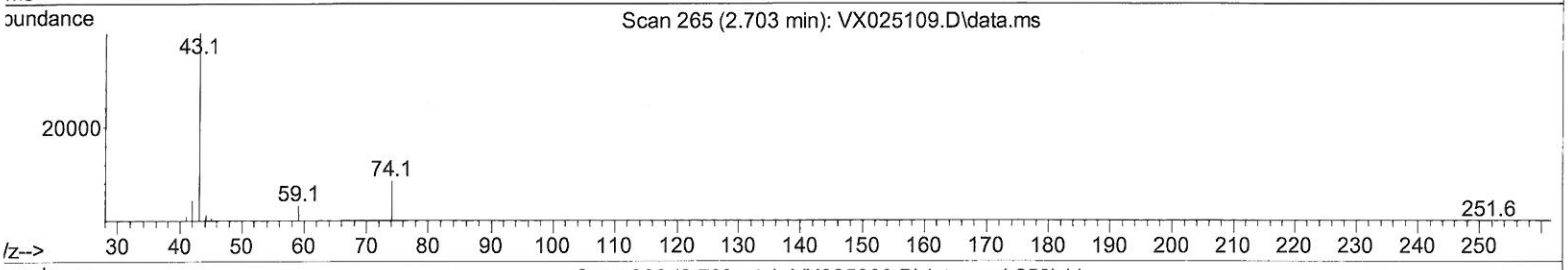

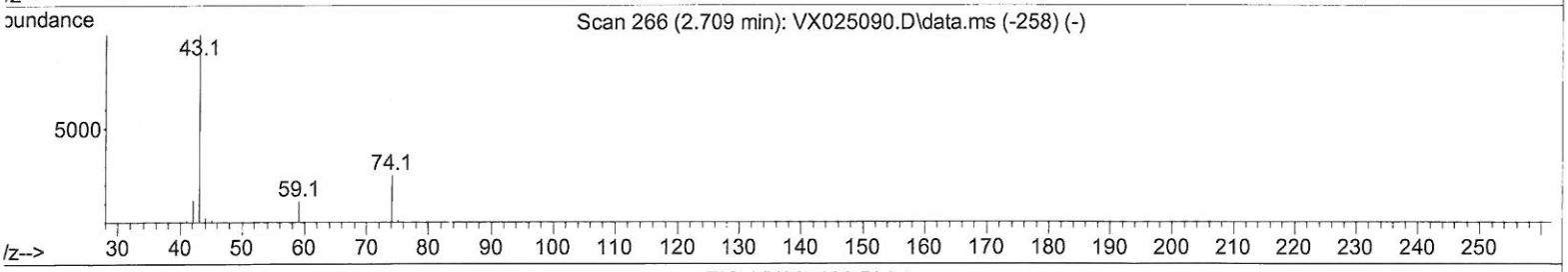

TIC: VX025109.D\data.ms

(15) Methyl Acetate (T)

2.703min (-0.006) 54.74 ug/L m

response 71327

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	35.70	0.09#
0.00	0.00	0.00
0.00	0.00	0.00

11/10/21

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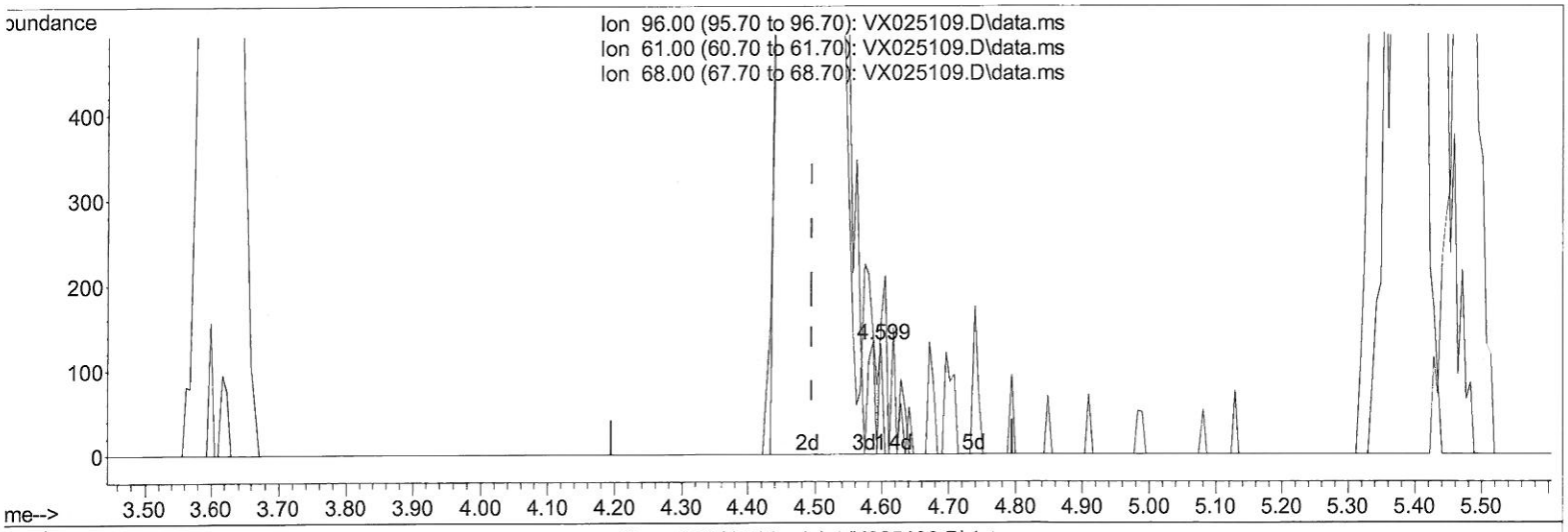

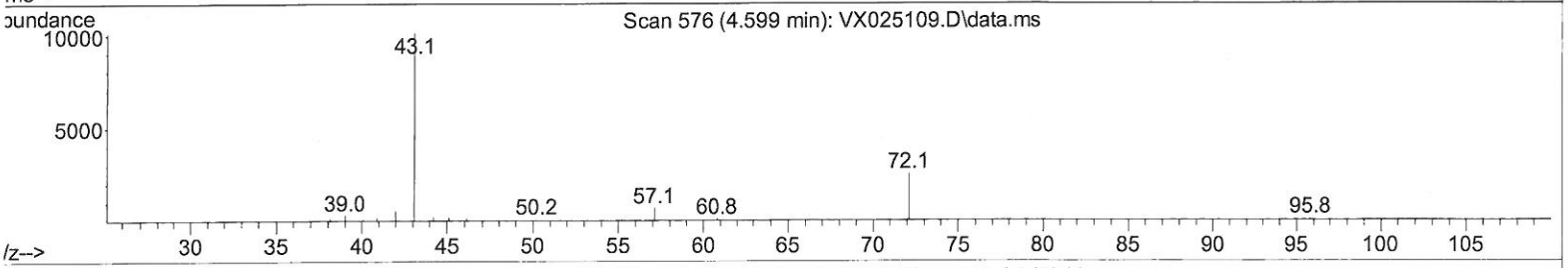

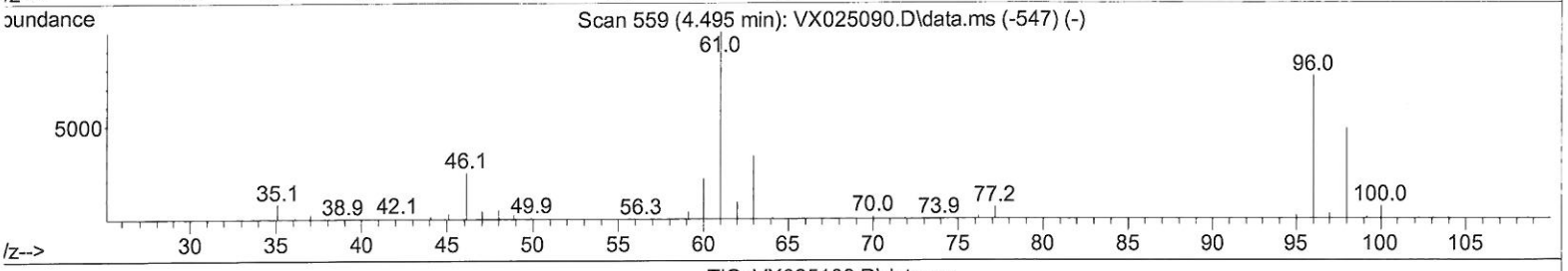

TIC: VX025109.D\data.ms

(20) cis-1,2-Dichloroethene (T)

4.599min (+ 0.103) 0.04 ug/L

response 48

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	118.00	117.69
68.00	0.00	0.00
0.00	0.00	0.00

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Instrument :
MSVOA_X
LabSampleId :
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Manual IntegrationsAPPROVED

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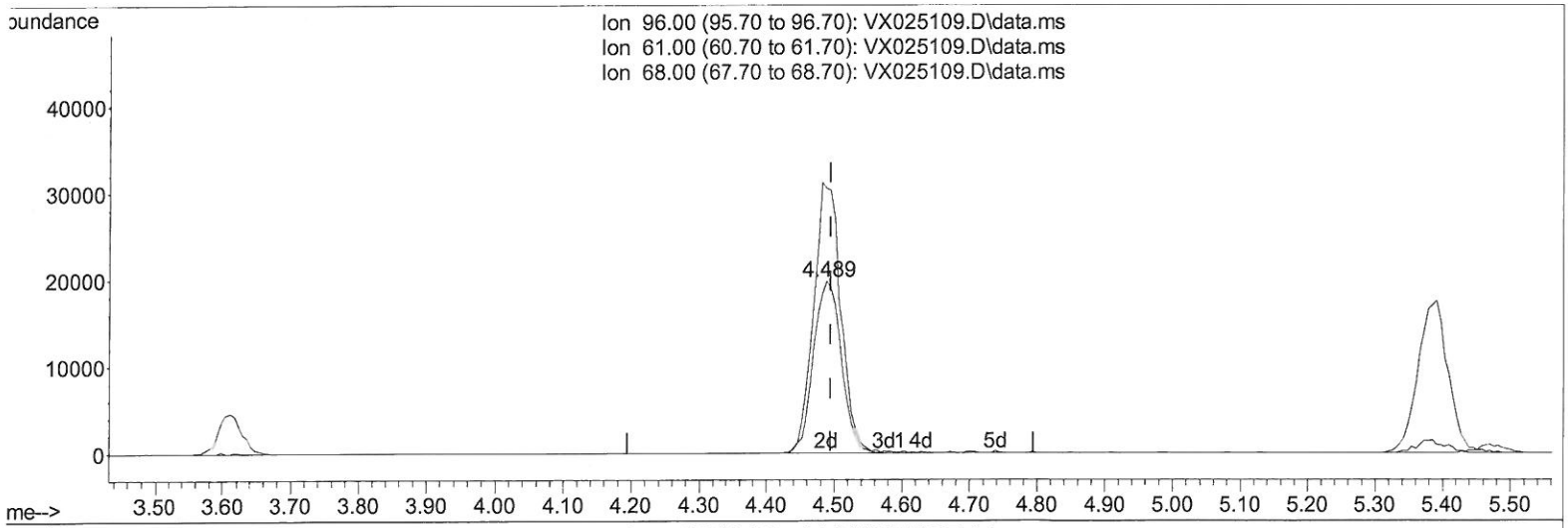

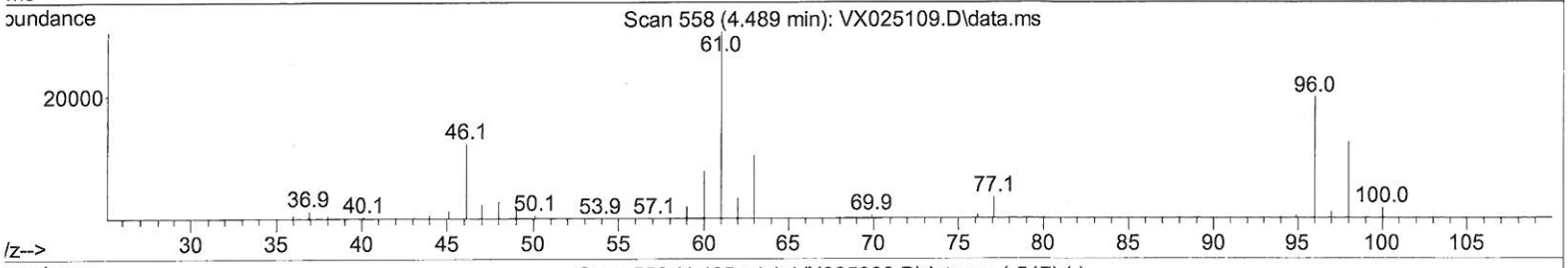

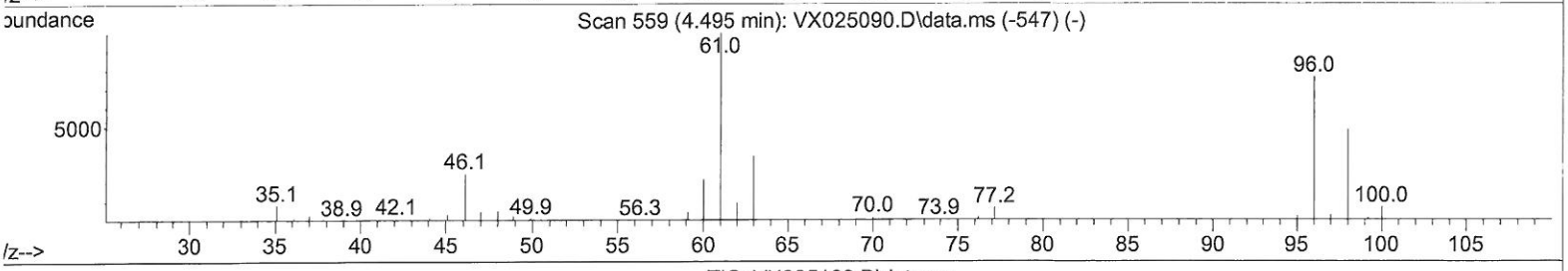

TIC: VX025109.D\data.ms

(20) cis-1,2-Dichloroethene (T)

4.489min (-0.006) 43.42 ug/L m

response 56159

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	118.00	154.37#
68.00	0.00	0.00
0.00	0.00	0.00

MD 11/10/21

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Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/10/2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	154114	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	142131	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	66043	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	56680	40.673	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 81.340%			
7) Chloroethane-d5	1.666	69	52340	59.910	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 119.820%			
11) 1,1-Dichloroethene-d2	2.312	63	118666	44.209	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.420%			
21) 2-Butanone-d5	4.458	46	97452	101.753	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.750%			
24) Chloroform-d	5.062	84	120847	44.110	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.220%			
26) 1,2-Dichloroethane-d4	5.958	65	87076	48.585	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.160%			
32) Benzene-d6	5.976	84	197221	38.972	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 77.940%			
36) 1,2-Dichloropropane-d6	7.311	67	67479	45.252	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 90.500%			
41) Toluene-d8	8.653	98	185466	43.598	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.200%			
43) trans-1,3-Dichloroprop...	8.951	79	37802	47.497	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.000%			
47) 2-Hexanone-d5	9.384	63	69610	109.285	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 109.280%			
56) 1,1,2,2-Tetrachloroeth...	11.195	84	93212	45.159	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.320%			
66) 1,2-Dichlorobenzene-d4	12.323	152	60409	46.666	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	70282	44.145	ug/L	98
3) Chloromethane	1.288	50	60083	53.700	ug/L	89
5) Vinyl chloride	1.373	62	65158	49.072	ug/L	98
6) Bromomethane	1.617	94	43350	51.194	ug/L	99
8) Chloroethane	1.691	64	44533	57.541	ug/L	97
9) Trichlorofluoromethane	1.892	101	114746	46.793	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	54777	43.786	ug/L #	83
12) 1,1-Dichloroethene	2.318	96	46062	41.866	ug/L #	49
13) Acetone	2.392	43	111583	118.405	ug/L	89
14) Carbon disulfide	2.514	76	121767	42.628	ug/L	99
15) Methyl Acetate	2.703	43	71327m	54.739	ug/L	?
16) Methylene chloride	2.788	84	54456	44.020	ug/L #	71
17) trans-1,2-Dichloroethene	3.093	96	48494	43.420	ug/L	92
18) Methyl tert-butyl Ether	3.111	73	204679	47.256	ug/L #	86
19) 1,1-Dichloroethane	3.611	63	110386	47.332	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	56159m	43.417	ug/L	?
22) 2-Butanone	4.562	43	128720	115.004	ug/L	79
23) Bromochloromethane	4.897	128	26123	42.892	ug/L #	43

md 11/10/21

md 11/10/21

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Chloroform	5.098	83	123920	48.138 ug/L	92
27) 1,2-Dichloroethane	6.092	62	108134	54.385 ug/L	99
29) Cyclohexane	5.470	56	94445	43.415 ug/L #	72
30) 1,1,1-Trichloroethane	5.385	97	109518	42.535 ug/L #	88
31) Carbon tetrachloride	5.678	117	88452	42.833 ug/L	99
33) Benzene	6.043	78	226569	42.365 ug/L	100
34) Trichloroethene	7.129	95	61765	45.339 ug/L	94
35) Methylcyclohexane	7.379	83	93700	46.242 ug/L #	85
37) 1,2-Dichloropropane	7.433	63	62699	50.484 ug/L #	95
38) Bromodichloromethane	7.824	83	92519	49.798 ug/L #	96
39) cis-1,3-Dichloropropene	8.366	75	100122	49.947 ug/L	91
40) 4-Methyl-2-pentanone	8.573	43	215735	111.479 ug/L #	78
42) Toluene	8.720	91	243103	47.748 ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	103049	51.272 ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	57404	50.112 ug/L	94
46) Tetrachloroethene	9.275	164	36318	48.144 ug/L	97
48) 2-Hexanone	9.433	43	181641	114.059 ug/L #	78
49) Dibromochloromethane	9.524	129	60130	49.476 ug/L	95
50) 1,2-Dibromoethane	9.610	107	62420	51.046 ug/L	98
51) Chlorobenzene	10.079	112	145485	48.784 ug/L	90
52) Ethylbenzene	10.195	91	279914	51.136 ug/L	99
53) m,p-Xylene	10.305	106	98319	49.379 ug/L	98
54) o-Xylene	10.646	106	96257	51.086 ug/L	90
55) Styrene	10.658	104	164078	50.020 ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	98399	48.024 ug/L #	92
59) Bromoform	10.799	173	38282	49.320 ug/L #	99
60) Isopropylbenzene	10.963	105	274238	49.814 ug/L	96
61) 1,2,3-Trichloropropane	11.244	75	86838	54.220 ug/L #	91
62) 1,3,5-Trimethylbenzene	11.457	105	235018	51.544 ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	235648	52.698 ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	97994	49.161 ug/L	93
65) 1,4-Dichlorobenzene	12.042	146	102928	50.790 ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	102065	49.618 ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	27877	56.049 ug/L #	78
69) 1,3,5-Trichlorobenzene	13.115	180	67551	47.266 ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	58330	47.656 ug/L	97
71) Naphthalene	13.780	128	244514	55.519 ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	58845	49.005 ug/L	96

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