

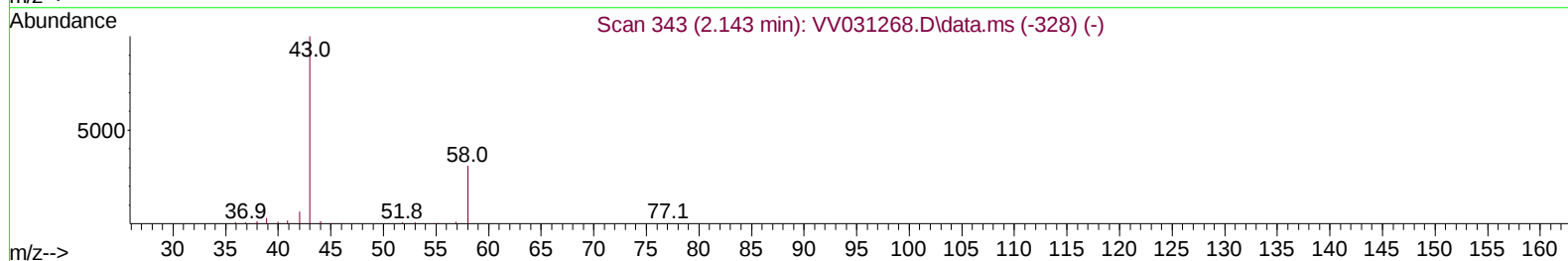
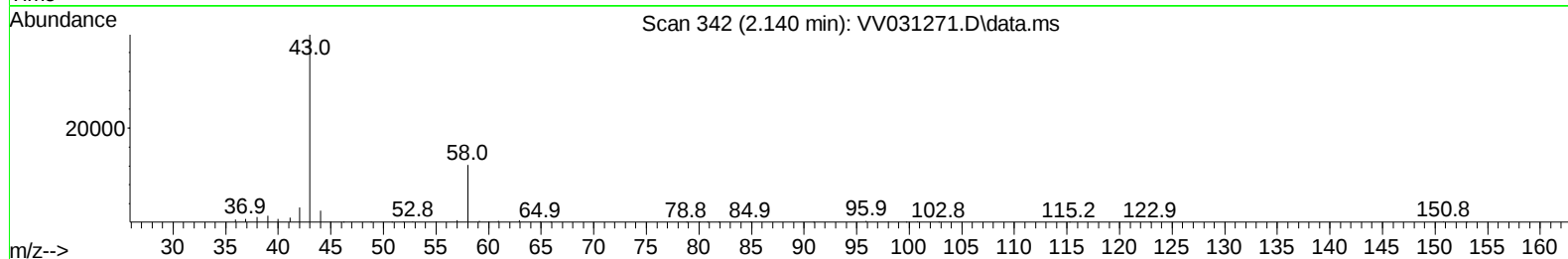
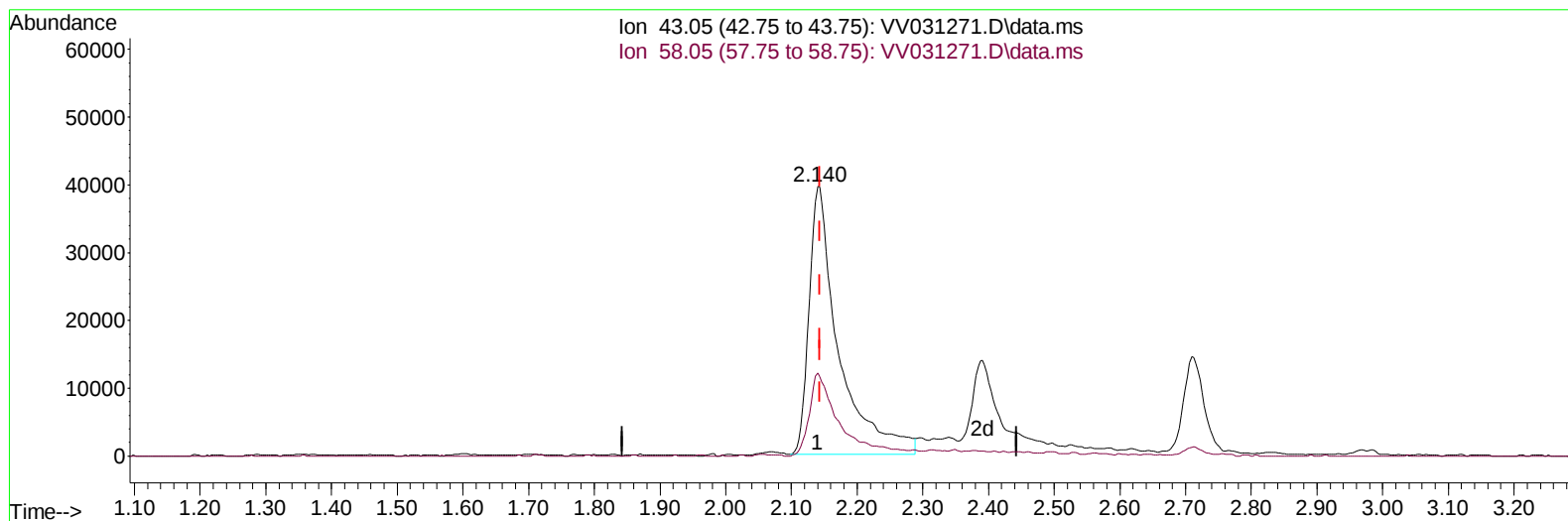
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053023\
 Data File : VV031271.D
 Acq On : 30 May 2023 16:23
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV252

Manual IntegrationsAPPROVED

Quant Time: May 31 05:21:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR053023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 31 05:14:27 2023
 Response via : Initial Calibration

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023



TIC: VV031271.D\data.ms

(13) Acetone (T)

2.140min (-0.003) 36.24 ug/L

response 123926

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	32.00	30.61
0.00	0.00	0.00
0.00	0.00	0.00

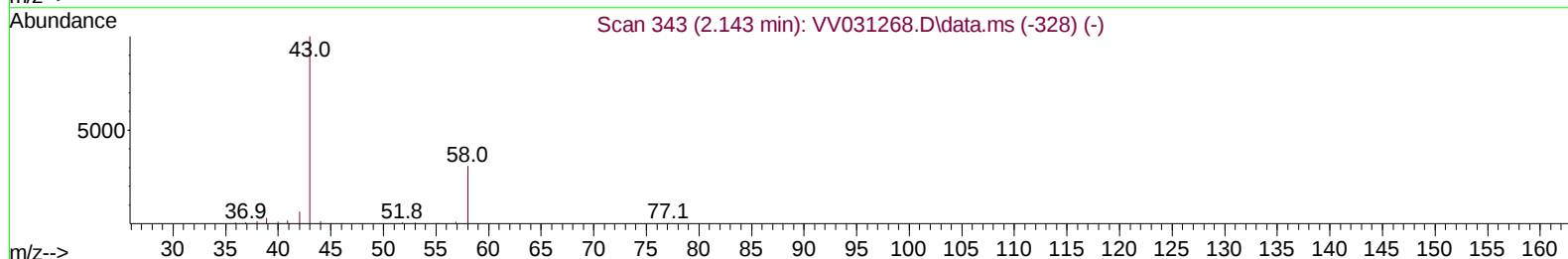
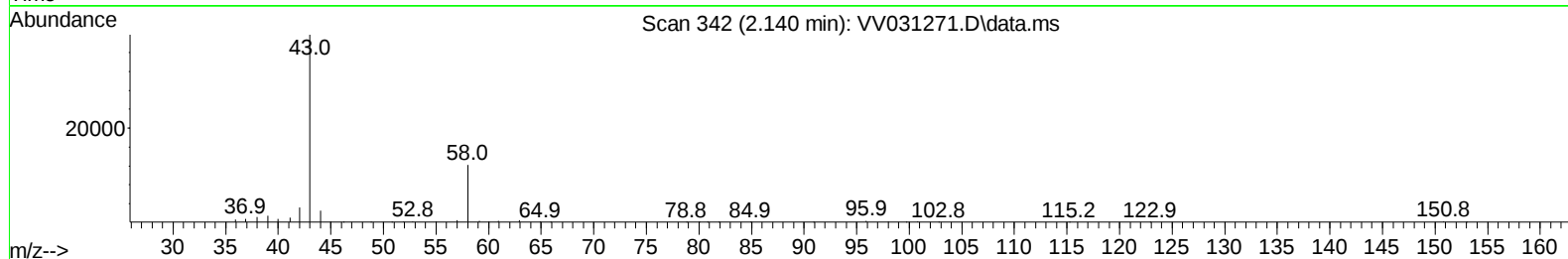
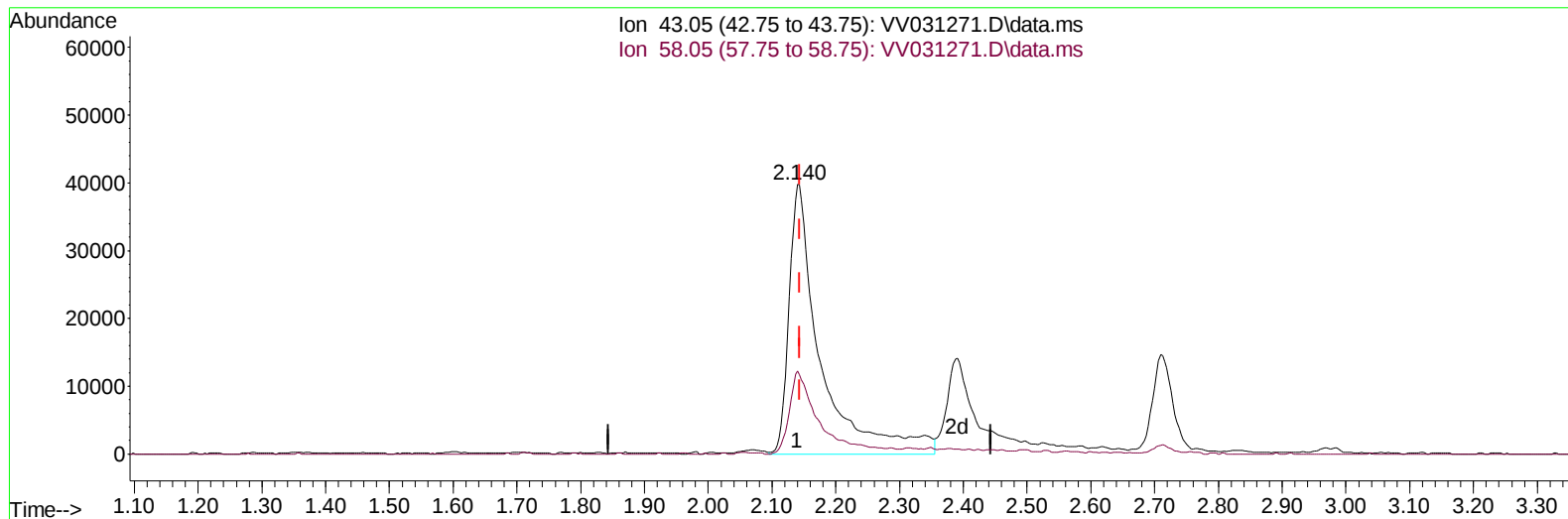
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(13) Acetone (T)

2.140min (-0.003) 40.03 ug/L m

response 136911

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	32.00	27.71
0.00	0.00	0.00
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	145480	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	142263	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	75873	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	50281	4.172	ug/L	0.00
Spiked Amount 5.000	Range 40	- 130	Recovery	=	83.400%	
7) Chloroethane-d5	1.536	69	54700	4.258	ug/L	0.00
Spiked Amount 5.000	Range 65	- 130	Recovery	=	85.200%	
11) 1,1-Dichloroethene-d2	2.063	65	28090	4.465	ug/L	0.00
Spiked Amount 5.000	Range 60	- 125	Recovery	=	89.400%	
20) 2-Butanone-d5	3.815	46	152474	36.625	ug/L	0.00
Spiked Amount 50.000	Range 40	- 130	Recovery	=	73.260%	
24) Chloroform-d	4.259	84	132467	4.577	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	91.600%	
26) 1,2-Dichloroethane-d4	4.950	65	66137	4.275	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	85.600%	
32) Benzene-d6	4.966	84	233234	4.533	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	90.600%	
36) 1,2-Dichloropropane-d6	5.995	67	82205	4.528	ug/L	0.00
Spiked Amount 5.000	Range 60	- 140	Recovery	=	90.600%	
41) Toluene-d8	7.249	98	209550	4.574	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	91.400%	
43) trans-1,3-Dichloroprop...	7.561	79	28346	4.776	ug/L	0.00
Spiked Amount 5.000	Range 55	- 130	Recovery	=	95.600%	
46) 2-Hexanone-d5	8.034	63	133549	47.644	ug/L	0.00
Spiked Amount 50.000	Range 45	- 130	Recovery	=	95.280%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	62265	4.472	ug/L	0.00
Spiked Amount 5.000	Range 65	- 120	Recovery	=	89.400%	
66) 1,2-Dichlorobenzene-d4	11.567	152	73904	4.687	ug/L	0.00
Spiked Amount 5.000	Range 80	- 120	Recovery	=	93.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	97435	4.172	ug/L	99
3) Chloromethane	1.217	50	93186	4.206	ug/L	97
5) Vinyl chloride	1.285	62	96097	4.333	ug/L	99
6) Bromomethane	1.491	94	54821	4.395	ug/L	97
8) Chloroethane	1.552	64	58344	4.196	ug/L	96
9) Trichlorofluoromethane	1.716	101	138925	4.149	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	79011	4.244	ug/L	97
12) 1,1-Dichloroethene	2.072	96	66007	4.188	ug/L	93
13) Acetone	2.140	43	136911m	40.032	ug/L	
14) Carbon disulfide	2.243	76	208695	4.385	ug/L	100
15) Methyl Acetate	2.391	43	30301	4.684	ug/L	97
16) Methylene chloride	2.452	84	76464	3.571	ug/L	100
17) Methyl tert-butyl Ether	2.712	73	151741	4.443	ug/L	100
18) trans-1,2-Dichloroethene	2.699	96	66404	4.430	ug/L	96
19) 1,1-Dichloroethane	3.117	63	142283	4.288	ug/L	96
21) 2-Butanone	3.896	43	176746	39.846	ug/L	96
22) cis-1,2-Dichloroethene	3.825	96	69412	4.411	ug/L	98
23) Bromochloromethane	4.159	128	29797	4.277	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.285	83	143643	4.121	ug/L	97
27) 1,2-Dichloroethane	5.050	62	85580	4.463	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	124433	4.344	ug/L	99
30) Cyclohexane	4.590	56	126062	4.697	ug/L	97
31) Carbon tetrachloride	4.741	117	111413	4.340	ug/L	96
33) Benzene	5.018	78	288361	4.594	ug/L	100
34) Trichloroethene	5.841	95	75522	4.385	ug/L	97
35) Methylcyclohexane	6.059	83	116300	4.578	ug/L	99
37) 1,2-Dichloropropane	6.098	63	81337	4.786	ug/L	99
38) Bromodichloromethane	6.439	83	97988	4.366	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	105586	4.654	ug/L	96
40) 4-Methyl-2-pentanone	7.166	43	466441	47.508	ug/L	97
42) Toluene	7.320	91	300389	4.619	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	88607	4.729	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	50278	4.345	ug/L	99
47) Tetrachloroethene	7.911	164	57323	4.431	ug/L	91
48) 2-Hexanone	8.085	43	350848	47.610	ug/L	99
49) Dibromochloromethane	8.185	129	59356	4.494	ug/L	96
50) 1,2-Dibromoethane	8.291	107	48286	4.355	ug/L	99
51) Chlorobenzene	8.821	112	178713	4.500	ug/L	97
52) Ethylbenzene	8.953	91	316707	4.633	ug/L	99
53) m,p-Xylene	9.079	106	116147	4.733	ug/L	98
54) o-Xylene	9.487	106	106621	4.611	ug/L	98
55) Styrene	9.503	104	194314	4.752	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	61182	4.439	ug/L	99
59) Bromoform	9.673	173	32450	4.464	ug/L	99
60) Isopropylbenzene	9.873	105	306953	4.741	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	44650	4.481	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	248713	4.726	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	258382	4.801	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	145367	4.677	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	145490	4.661	ug/L	97
67) 1,2-Dichlorobenzene	11.587	146	132636	4.634	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	10481	4.592	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	106695	4.679	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	88924	5.278	ug/L	98
71) Naphthalene	13.448	128	143515	6.107	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	81044	5.242	ug/L	100

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

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The chromatogram displays a series of sharp peaks against a baseline. The following table lists the identified compounds and their approximate retention times:

Compound Name	Retention Time (min)
Chloromethane	~1.5
Dichlorodifluoromethane	~1.6
Trichlorofluoromethane	~1.8
Acetone	~2.1
Methyl acetate	~2.2
Carbon disulfide	~2.3
Methylene chloride	~2.4
Methyl tert-butyl ether	~2.5
1,1-Dichloroethane	~3.1
2-Butanone	~3.9
Bromochloromethane	~4.1
1,1,1-Trichloroethane	~4.3
Carbon tetrachloride	~4.5
Cyclohexane	~4.7
1,2-Dichloroethane	~4.9
Benzenesulfonic acid	~5.1
1,4-Difluorobenzene	~5.7
Trichloroethene	~5.9
1,2-Dichloropropane	~6.1
Bromodichloromethane	~6.3
cis-1,3-Dichloropropene	~6.9
trans-1,3-Dichloropropene	~7.1
3,3-Dichloropropene	~7.3
1,1,2-Trichloroethane	~7.5
Tetrachloroethene	~7.7
1,2-Dibromoethane	~8.1
Diphenylchloromethane	~8.3
Chlorobenzene-d5	~8.9
Chlorobenzene	~9.1
m,p-Xylene	~9.3
Ethylbenzene	~9.5
Bromoforn	~9.7
Isopropylbenzene	~9.9
1,2,3-Trichlorobenzene	~10.1
1,2,4-Trichlorobenzene	~10.3
1,3,5-Trimethylbenzene	~10.5
1,2,4-Trimethylbenzene	~10.7
1,2-Dichlorobenzene	~10.9
1,4-Dichlorobenzene	~11.1
1,2-Dibromo-3-chloropropane	~12.5
1,3,5-Trichlorobenzene	~12.7
Naphthalene	~13.5
1,2,3-Trichlorobenzene	~13.7
1,2,4-trichlorobenzene	~13.9