LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Title : VOC Analysis

Signal : TIC: VU053290.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.356	3	5	23	rVB	3736644	3085857	24.22%	5.160%
2	1.597	69	80	94	rBV2	104391	139665	1.10%	0.234%
3	1.909	169	177	195	rVV	67261	95766	0.75%	0.160%
4	2.562	368	380	391	rVV	130683	218627	1.72%	0.366%
5	2.681	406	417	429	rVV	89523	151116	1.19%	0.253%
6	3.134	547	558	568	rBV	42849	80546	0.63%	0.135%
7	3.925	793	804	814	rBV	104832	247919	1.95%	0.415%
8	4.526	972	991	1007	rBV	140182	342134	2.69%	0.572%
9	4.610	1007	1017	1039	rBV	60703	152435	1.20%	0.255%
10	5.057	1142	1156	1177	rVB2	119614	257791	2.02%	0.431%
11	5.385	1237	1258	1274	rBV	478097	1069533	8.40%	1.788%
12	5.771	1344	1378	1395	rBV	6094861	12739165	100.00%	21.300%
13	5.951	1423	1434	1461	rVB	476564	1026824	8.06%	1.717%
14	6.243	1512	1525	1538	rBV	202058	377004	2.96%	0.630%
15	6.465	1579	1594	1611	rBV	158279	290700	2.28%	0.486%
16	6.684	1648	1662	1672	rBV	155714	300929	2.36%	0.503%
17	6.758	1672	1685	1707	rVV2	369998	782697	6.14%	1.309%
18	6.980	1743	1754	1771	rVB5	25607	50674	0.40%	0.085%
19	7.562	1921	1935	1949	rBV	89125	162667	1.28%	0.272%
20	7.851	2014	2025	2028	rVV	40103	58515	0.46%	0.098%
21	7.893	2029	2038	2050	rVV	319242	557559	4.38%	0.932%
22	7.964	2050	2060	2072	rVV	176741	301124	2.36%	0.503%
23	8.173	2115	2125	2133	rVV2	60087	99004	0.78%	0.166%
24	8.230	2133	2143	2160	rVV3	189960	353177	2.77%	0.591%
25	8.568	2232	2248	2257	rBV2	47640	86949	0.68%	0.145%
26	8.626	2257	2266	2296	rVB	209597	366934	2.88%	0.614%
27	8.861	2330	2339	2350	rVV	45366	74402	0.58%	0.124%
28	9.443	2499	2520	2536	rBV	5876531	10105260	79.32%	16.896%
29	9.565	2547	2558	2574	rVB	1220608	1940590	15.23%	3.245%
30	9.690	2584	2597	2612	rVB	1125239	1827313	14.34%	3.055%
31	9.941	2658	2675	2685	rVV2	173617	342498	2.69%	0.573%
32	10.005	2685	2695	2713	rVV	165514	301380	2.37%	0.504%
33	10.099	2713	2724	2743	rVB4	57243	113218	0.89%	0.189%
34	10.266	2753	2776	2790	rBV4	34264	70299	0.55%	0.118%
35	10.359	2793	2805	2817	rBV8	21027	48824	0.38%	0.082%
36	10.478	2831	2842	2856	rVB	186429	292445	2.30%	0.489%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Title : VOC Analysis

37	10.645	2883	2894	2904	rVV2	70017	115860	0.91%	0.194%
38	10.751	2916	2927	2941	rBV2	286001	467735	3.67%	0.782%
39	10.902	2962	2974	2986	rBV	228556	368755	2.89%	0.617%
40	10.992	2986	3002	3017	rVV2	252067	619550	4.86%	1.036%
41	11.082	3017	3030	3047	rVB	326032	622471	4.89%	1.041%
42	11.288	3085	3094	3101	rVV2	35612	63997	0.50%	0.107%
43	11.336	3101	3109	3118	rVV	65041	106811	0.84%	0.179%
44	11.394	3118	3127	3137	rVV2	62694	107603	0.84%	0.180%
45	11.462	3137	3148	3159	rVV	609346	917337	7.20%	1.534%
46	11.517	3159	3165	3176	rVB3	23216	39068	0.31%	0.065%
47	11.639	3197	3203	3217	rVV	43801	77970	0.61%	0.130%
48	11.738	3219	3234	3243	rVV	86766	149489	1.17%	0.250%
49	11.806	3243	3255	3270	rVV2	289755	518159	4.07%	0.866%
50	11.890	3271	3281	3291	rVV	73404	114369	0.90%	0.191%
51	12.092	3334	3344	3349	rVV3	165322	266155	2.09%	0.445%
52	12.121	3350	3353	3362	rVV	115092	145286	1.14%	0.243%
53	12.189	3362	3374	3395	rVB3	464832	891092	6.99%	1.490%
54	12.298	3395	3408	3422	rBV4	51636	102140	0.80%	0.171%
55	12.369	3422	3430	3446	rVB3	32986	58017	0.46%	0.097%
56	12.462	3446	3459	3465	rBV	96508	160503	1.26%	0.268%
57	12.491	3465	3468	3476	rVV2	55719	67505	0.53%	0.113%
58	12.568	3477	3492	3500	rVV	237133	378695	2.97%	0.633%
59	12.607	3500	3504	3513	rVV2	49061	69202	0.54%	0.116%
60	12.680	3517	3527	3547	rVV3	124226	330009	2.59%	0.552%
61	12.806	3556	3566	3573	rBV2	34094	52053	0.41%	0.087%
62	12.861	3575	3583	3593	rVB6	31510	57170	0.45%	0.096%
63	12.967	3599	3616	3625	rBV2	234059	394943	3.10%	0.660%
64	13.021	3625	3633	3646	rVB	270911	413373	3.24%	0.691%
65	13.102	3649	3658	3664	rBV4	33897	55608	0.44%	0.093%
66	13.253	3698	3705	3708	rBV2	35086	44890	0.35%	0.075%
67	13.285	3709	3715	3721	rVV3	61191	102246	0.80%	0.171%
68	13.324	3721	3727	3742	rVB4	87051	167735	1.32%	0.280%
69	13.401	3742	3751	3755	rBV2	38410	58924	0.46%	0.099%
70	13.446	3755	3765	3781	rVV3	700805	1182534	9.28%	1.977%
71	13.555	3793	3799	3806	rVB	33721	41502	0.33%	0.069%
72	13.619	3806	3819	3839	rVB	1720209	2687825	21.10%	4.494%
73	13.732	3842	3854	3862	rBV6	40081	73187	0.57%	0.122%
74	13.780	3862	3869	3876	rVV2	35510	54852	0.43%	0.092%
75	13.835	3876	3886	3899	rVV5	90901	200495	1.57%	0.335%
76	13.906	3902	3908	3912	rVV2	41454	67865	0.53%	0.113%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E0288

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Title : VOC Analysis

77	13.938	3912	3918	3936	rVB4	81322	187509	1.47%	0.314%
78	14.037	3937	3949	3954	rBV	97528	160836	1.26%	0.269%
79	14.082	3954	3963	3983	rVB	814138	1367643	10.74%	2.287%
80	14.185	3983	3995	4008	rBV	202022	324765	2.55%	0.543%
81	14.282	4009	4025	4037	rBV2	164075	304258	2.39%	0.509%
82	14.484	4077	4088	4092	rBV4	27776	48098	0.38%	0.080%
83	14.513	4093	4097	4109	rVB3	35393	52114	0.41%	0.087%
84	14.587	4109	4120	4132	rBV3	63850	109246	0.86%	0.183%
85	14.684	4133	4150	4162	rBV	552319	940648	7.38%	1.573%
86	14.806	4180	4188	4200	rVV4	33829	60640	0.48%	0.101%
87	14.873	4200	4209	4218	rVB4	49322	80256	0.63%	0.134%
88	15.012	4240	4252	4269	rBV	560632	895690	7.03%	1.498%
89	15.217	4300	4316	4326	rVV	736138	1200778	9.43%	2.008%
90	15.266	4326	4331	4347	rVV3	55998	89993	0.71%	0.150%
91	15.407	4362	4375	4387	rVV	961305	1523494	11.96%	2.547%
92	15.462	4387	4392	4397	rVV4	27310	43148	0.34%	0.072%
93	15.497	4398	4403	4414	rVB3	32559	52918	0.42%	0.088%
94	15.571	4414	4426	4444	rVB3	38810	86628	0.68%	0.145%
95	15.921	4524	4535	4540	rBV3	54383	91868	0.72%	0.154%
96	16.143	4594	4604	4611	rBV	73402	116779	0.92%	0.195%
97	16.259	4625	4640	4650	rVV	135014	230070	1.81%	0.385%
98	16.404	4668	4685	4692	rVV	258439	441431	3.47%	0.738%
99	16.442	4692	4697	4708	rVV	180117	269931	2.12%	0.451%
100	16.635	4739	4757	4779	rVB	78784	204809	1.61%	0.342%

Sum of corrected areas: 59808070

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
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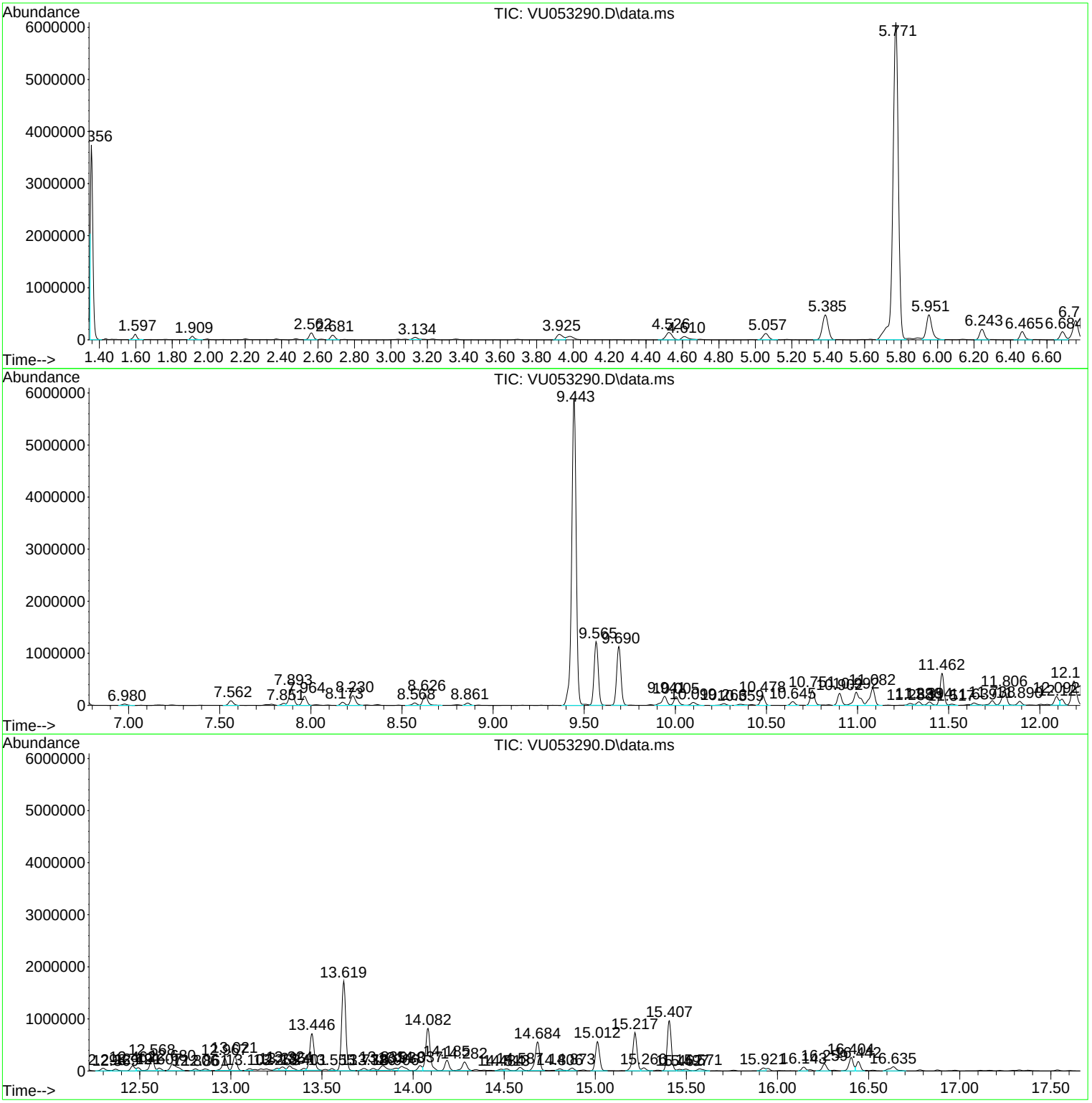
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

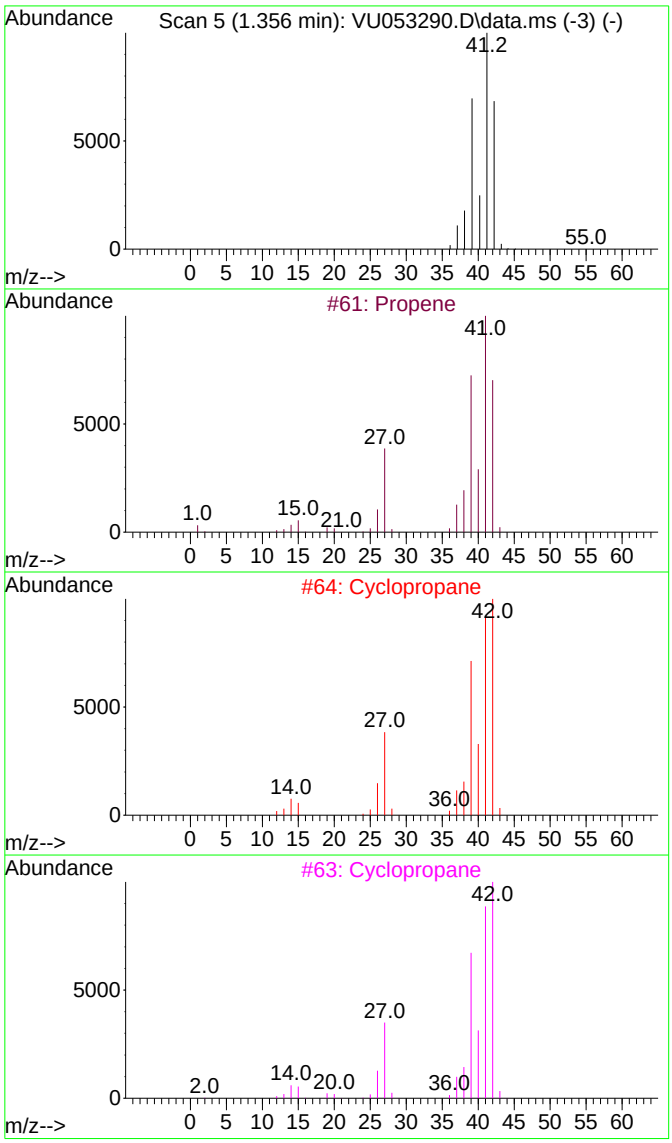
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

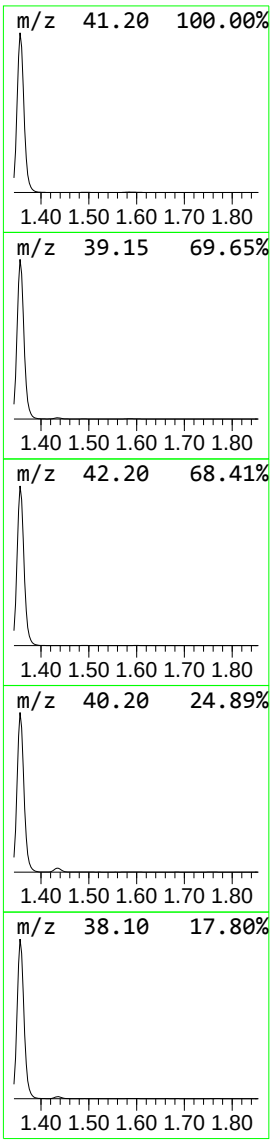
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.356	409.26 ug/L	3085860	1,4-Difluorobenzene	6.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Cyclopropane	42	C3H6	000075-19-4	86
3	Cyclopropane	42	C3H6	000075-19-4	78
4	Propene	42	C3H6	000115-07-1	50
5	Cyclopropene	40	C3H4	002781-85-3	16





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

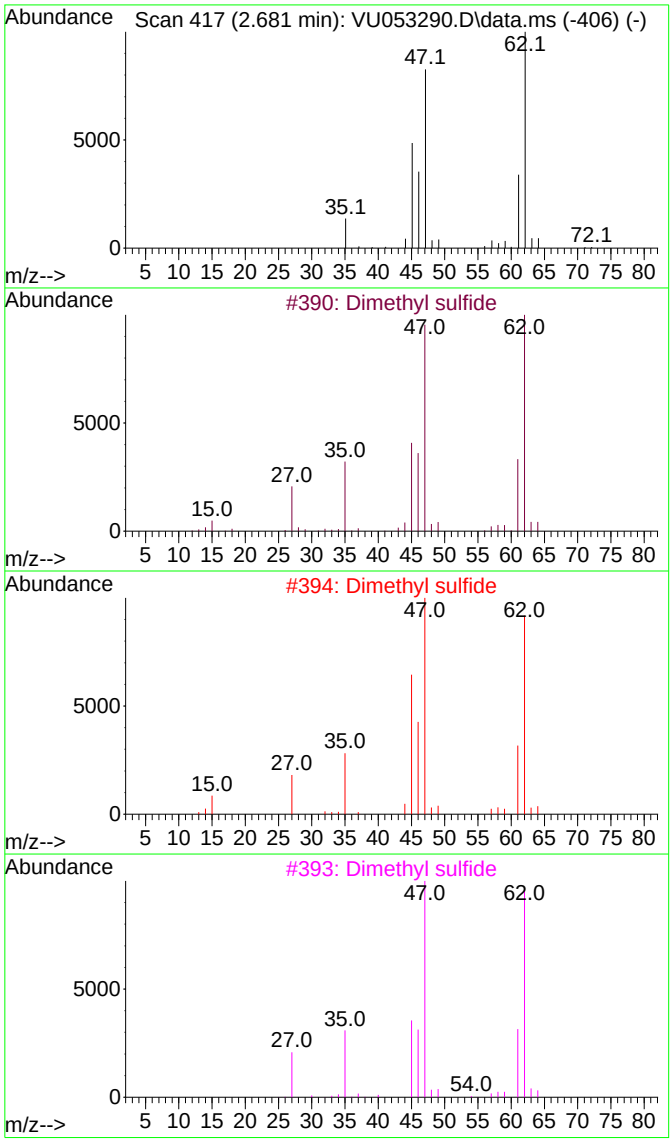
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

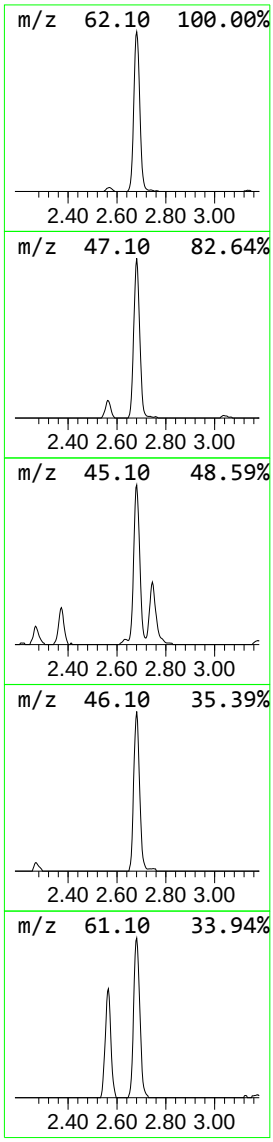
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dimethyl sulfide Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.681	20.04 ug/L	151116	1,4-Difluorobenzene	6.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	95
2	Dimethyl sulfide	62	C2H6S	000075-18-3	94
3	Dimethyl sulfide	62	C2H6S	000075-18-3	91
4	Dimethyl sulfide	62	C2H6S	000075-18-3	91
5	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

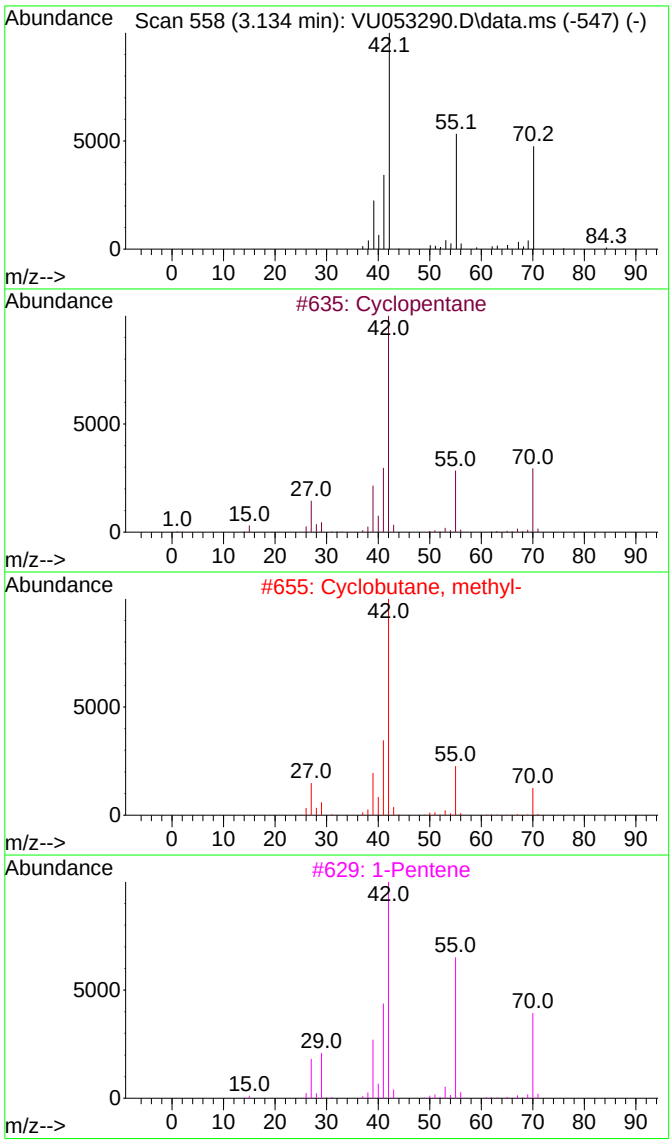
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

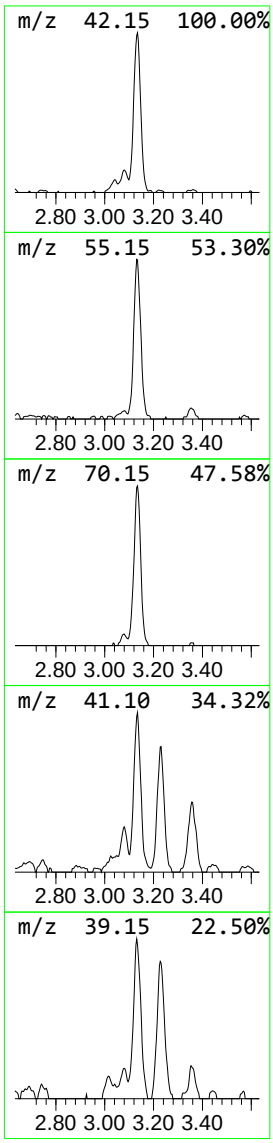
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic3.134 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.134	10.68 ug/L	80546	1,4-Difluorobenzene	6.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	86
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
3	1-Pentene	70	C5H10	000109-67-1	78
4	Cyclopentane	70	C5H10	000287-92-3	78
5	Cyclopentane	70	C5H10	000287-92-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

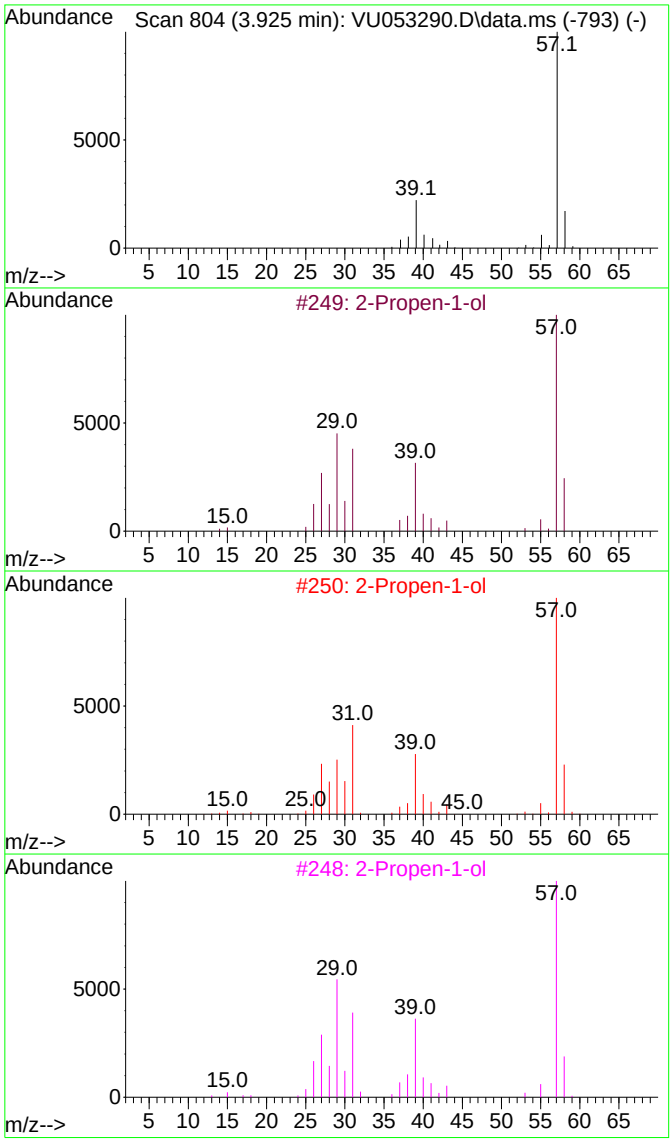
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

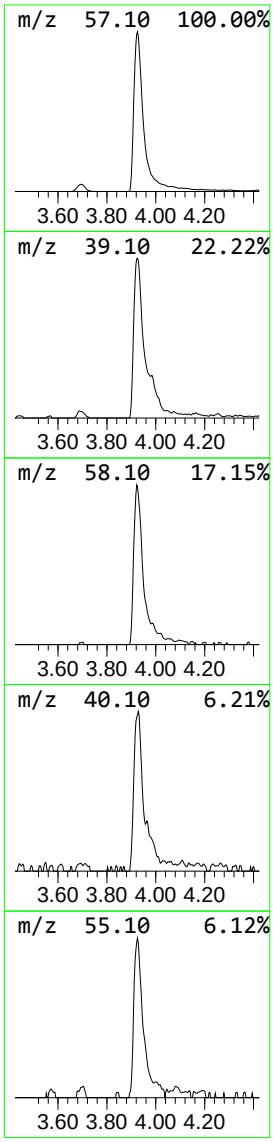
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Propen-1-ol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.925	32.88 ug/L	247919	1,4-Difluorobenzene	6.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propen-1-ol	58	C3H6O	000107-18-6	72
2	2-Propen-1-ol	58	C3H6O	000107-18-6	72
3	2-Propen-1-ol	58	C3H6O	000107-18-6	43
4	2-Propen-1-ol	58	C3H6O	000107-18-6	9
5	2-Propen-1-ol	58	C3H6O	000107-18-6	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

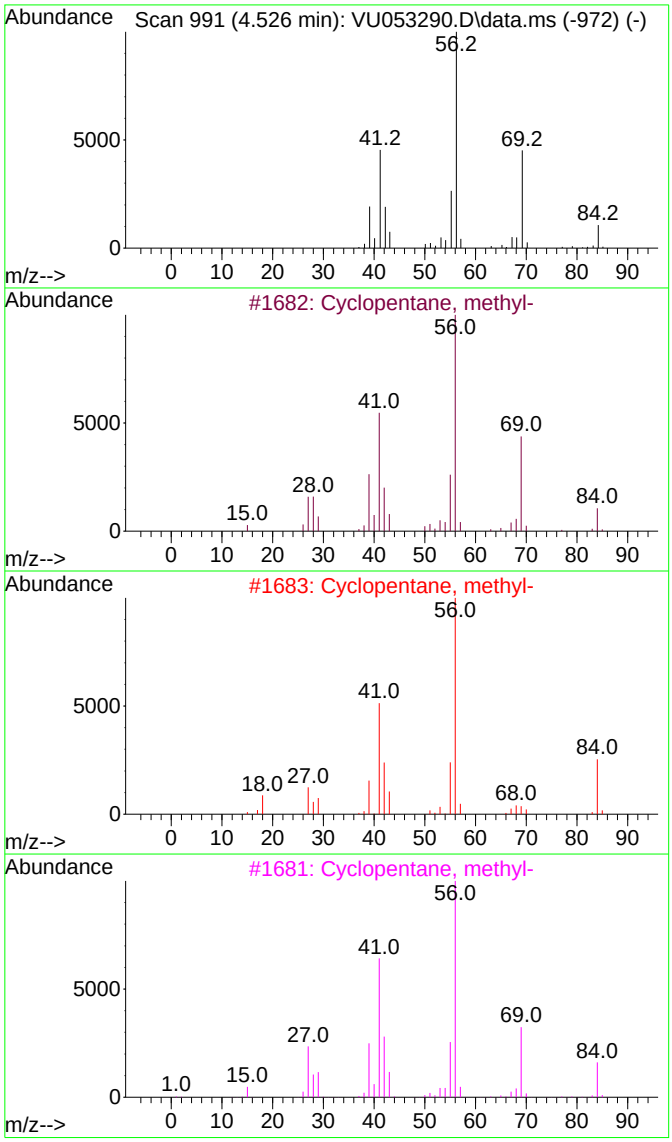
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

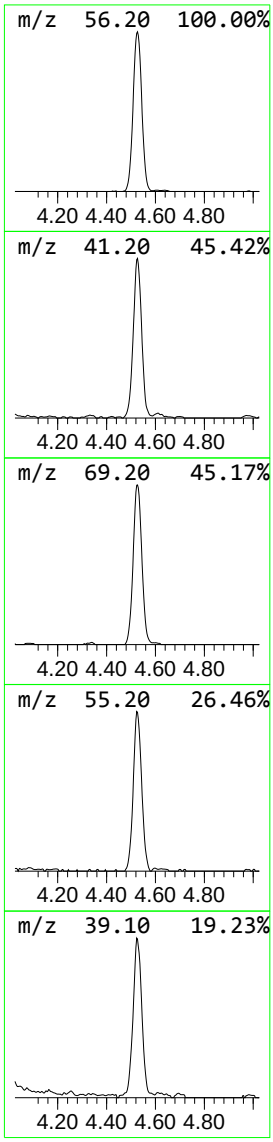
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic4.526 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.526	45.38 ug/L	342134	1,4-Difluorobenzene	6.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	78





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Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

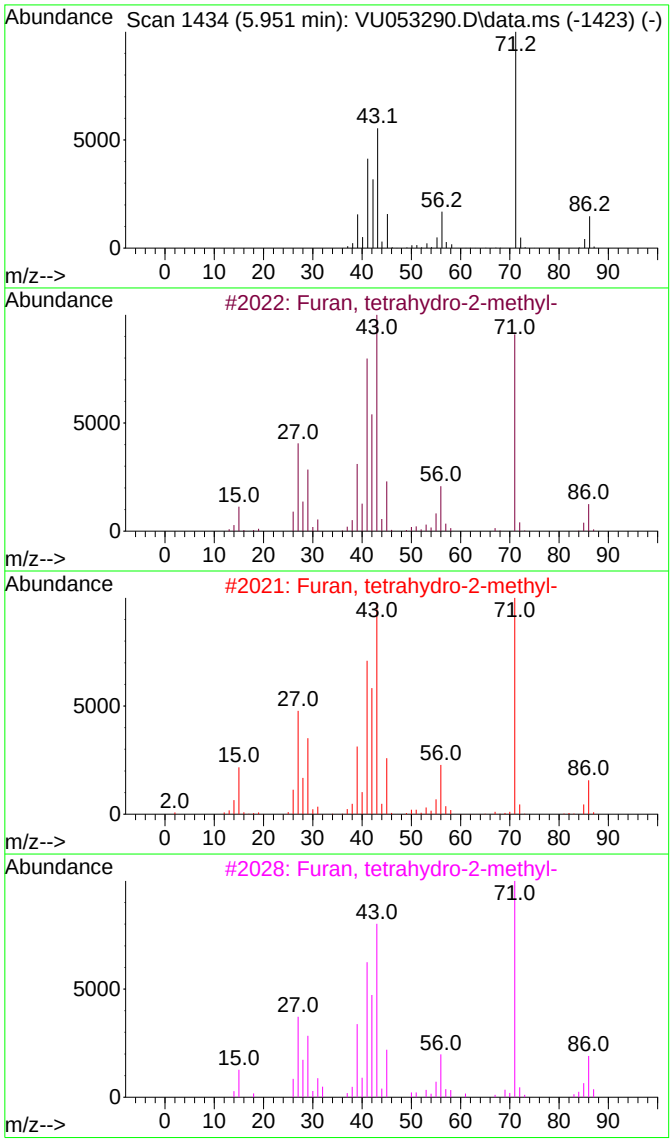
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

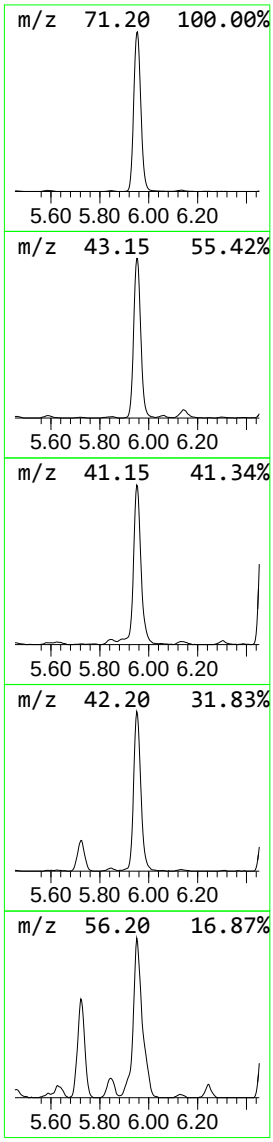
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Furan, tetrahydro-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.951	136.18 ug/L	1026820	1,4-Difluorobenzene	6.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	90
2	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	70
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	62
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	50
5	Prenol	86	C5H10O	000556-82-1	50





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

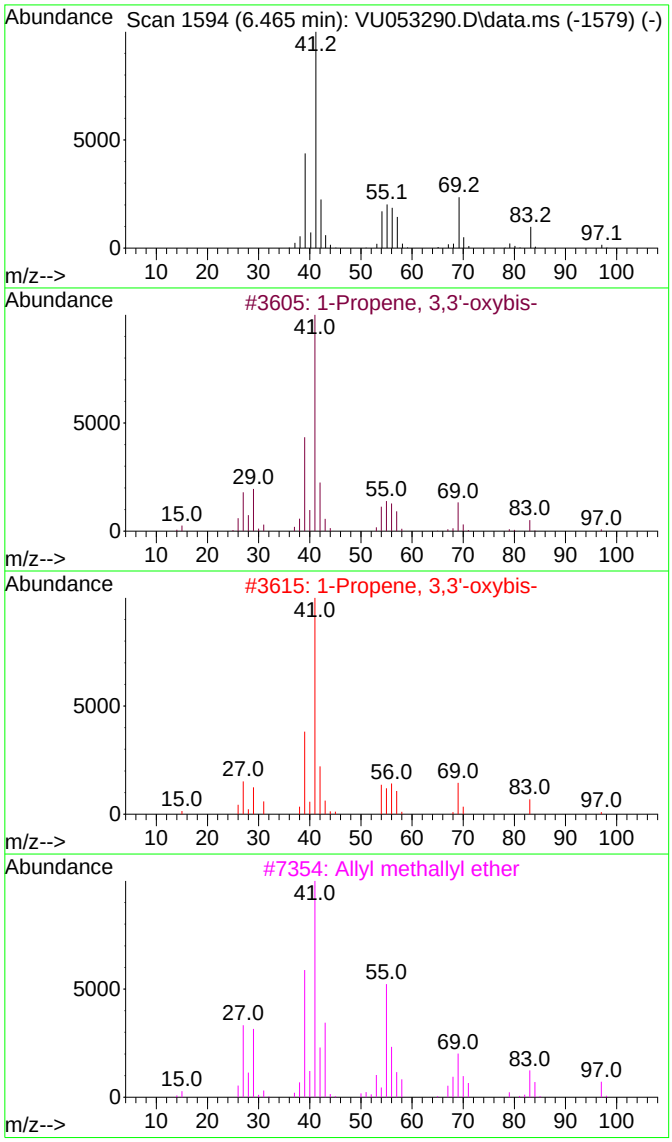
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

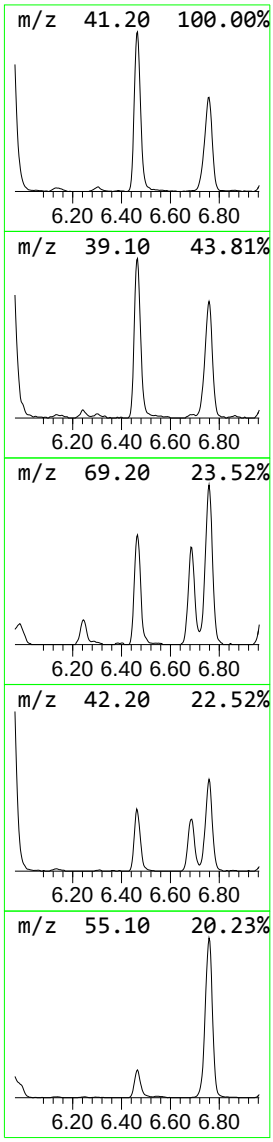
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1-Propene, 3,3'-oxybis- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.465	38.55 ug/L	290700	1,4-Difluorobenzene	6.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	83
2	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	83
3	Allyl methallyl ether	112	C7H12O	014289-96-4	50
4	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	50
5	4-Heptenal, (Z)-	112	C7H12O	006728-31-0	38





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

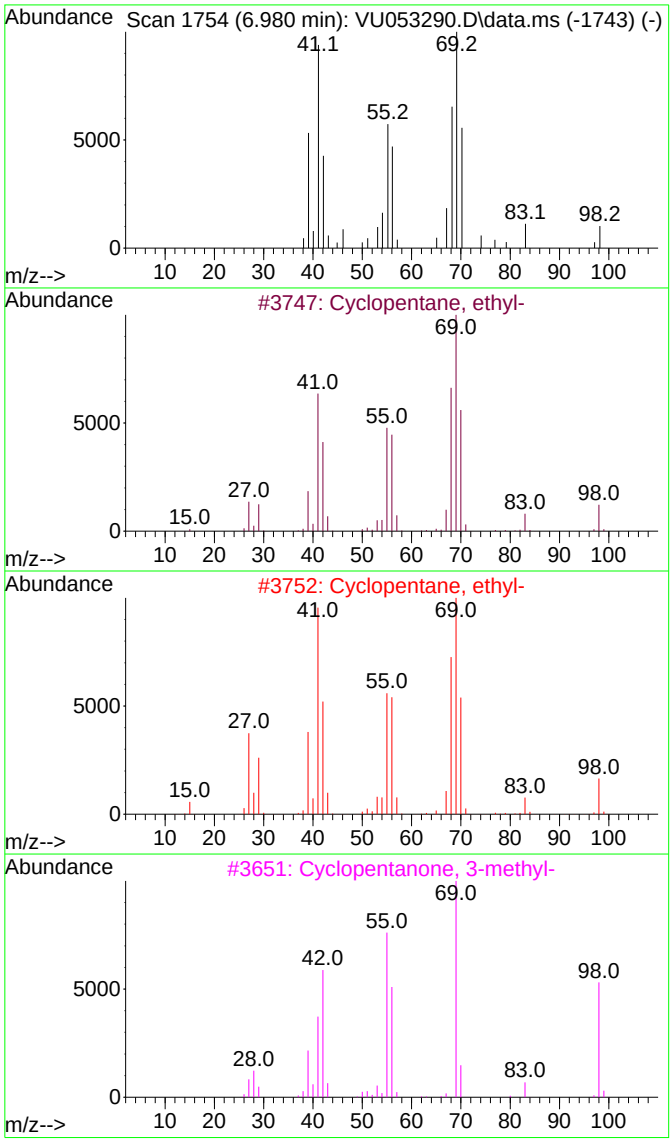
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

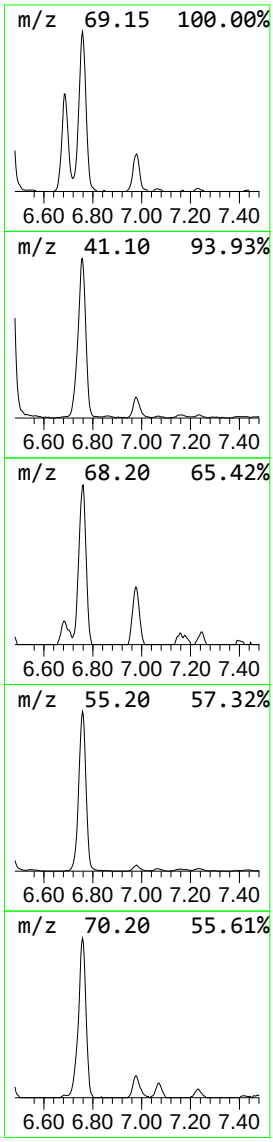
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic6.980 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.980	6.72 ug/L	50674	1,4-Difluorobenzene	6.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	87
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	50
3	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	47
4	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	38
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

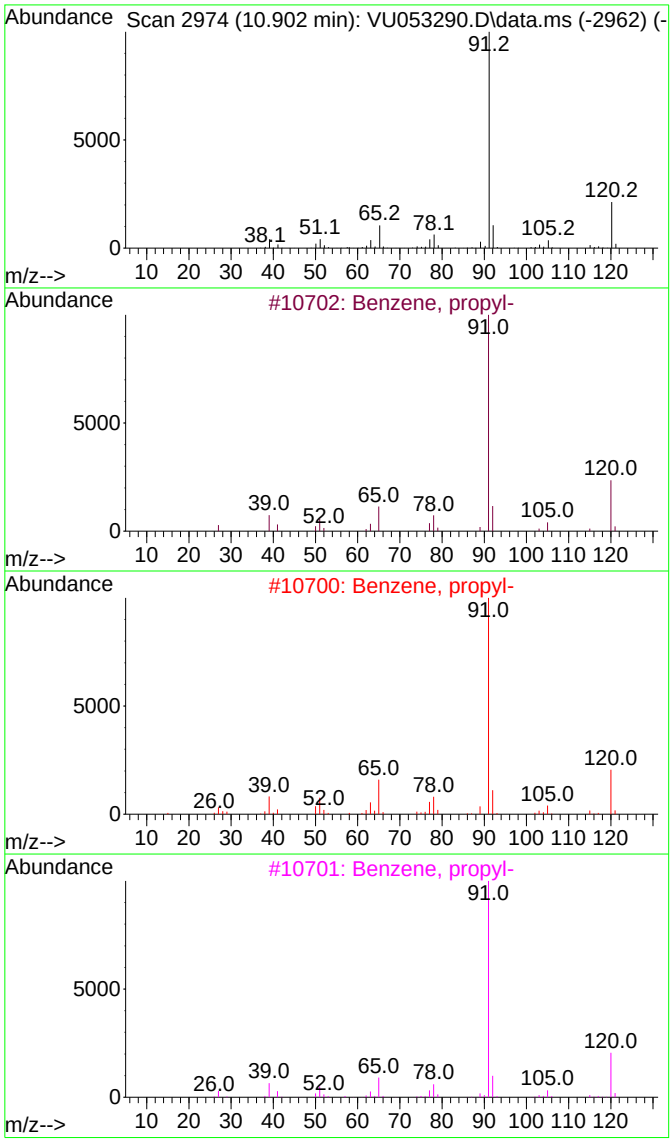
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

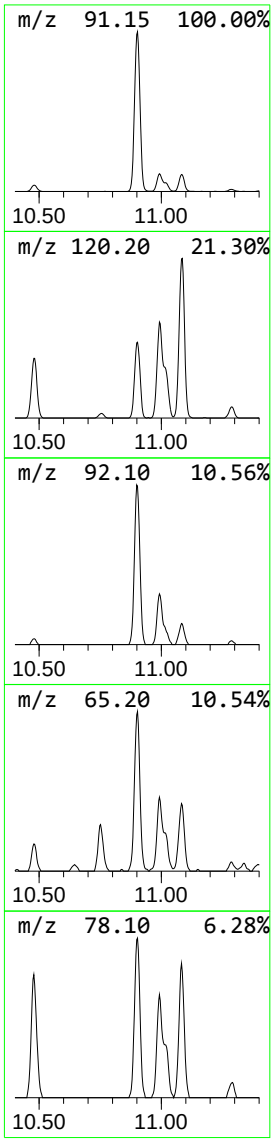
****

Peak Number 11 Benzene, propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.902	35.58 ug/L	368755	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	91
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Benzene, propyl-	120	C9H12	000103-65-1	87
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

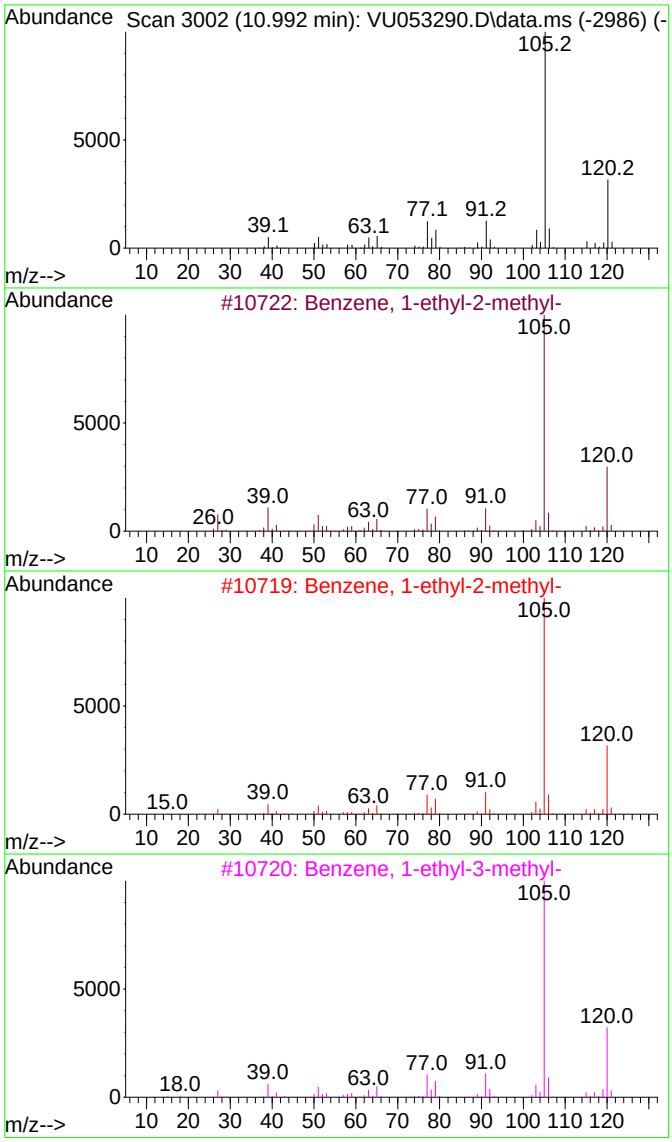
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

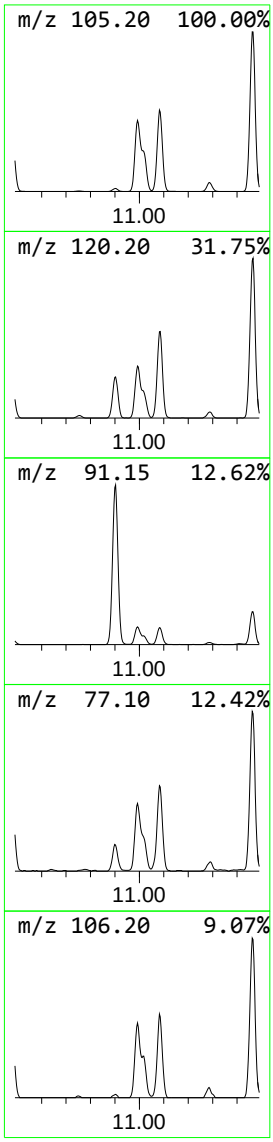
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.992	59.78 ug/L	619550	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

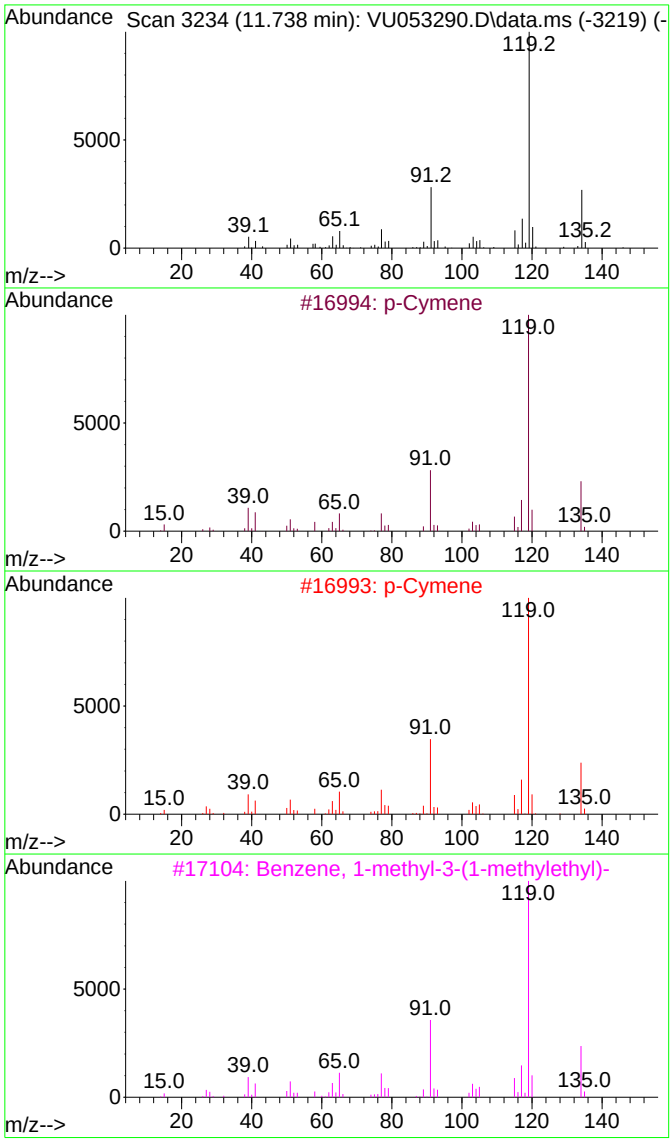
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

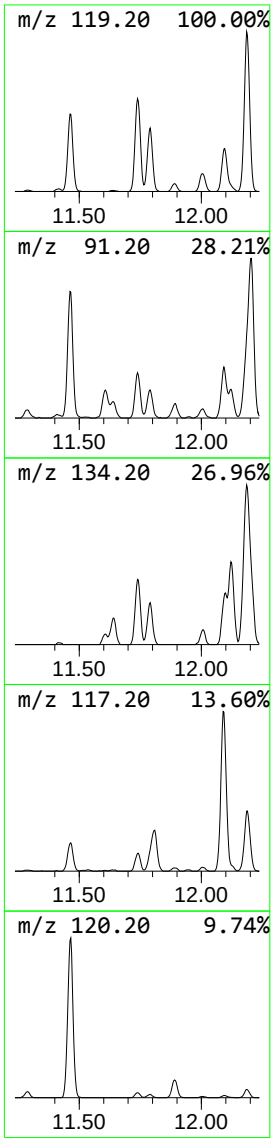
****

Peak Number 18 p-Cymene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.738	14.43 ug/L	149489	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	p-Cymene	134	C10H14	000099-87-6	94





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

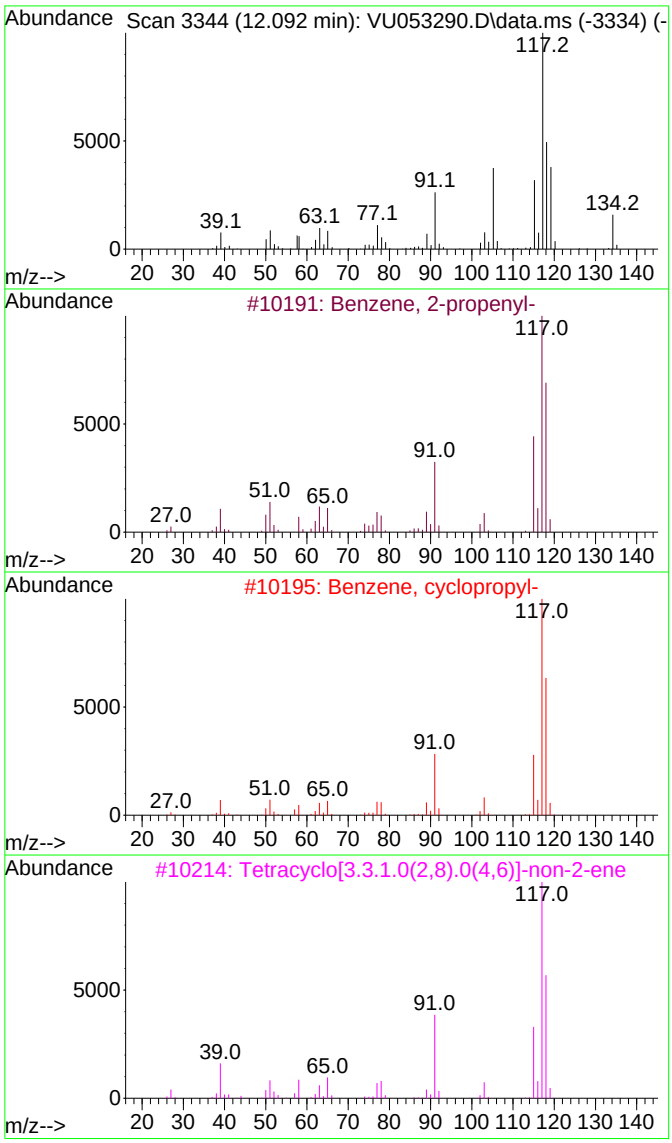
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

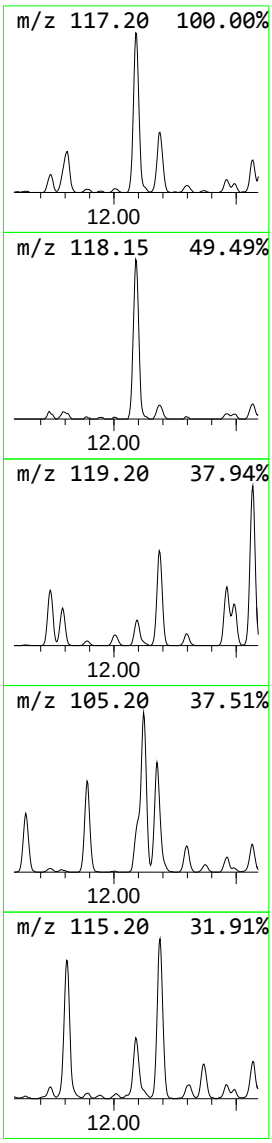
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 2-propenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	25.68 ug/L	266155	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	60
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	53
5	Indane	118	C9H10	000496-11-7	53





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

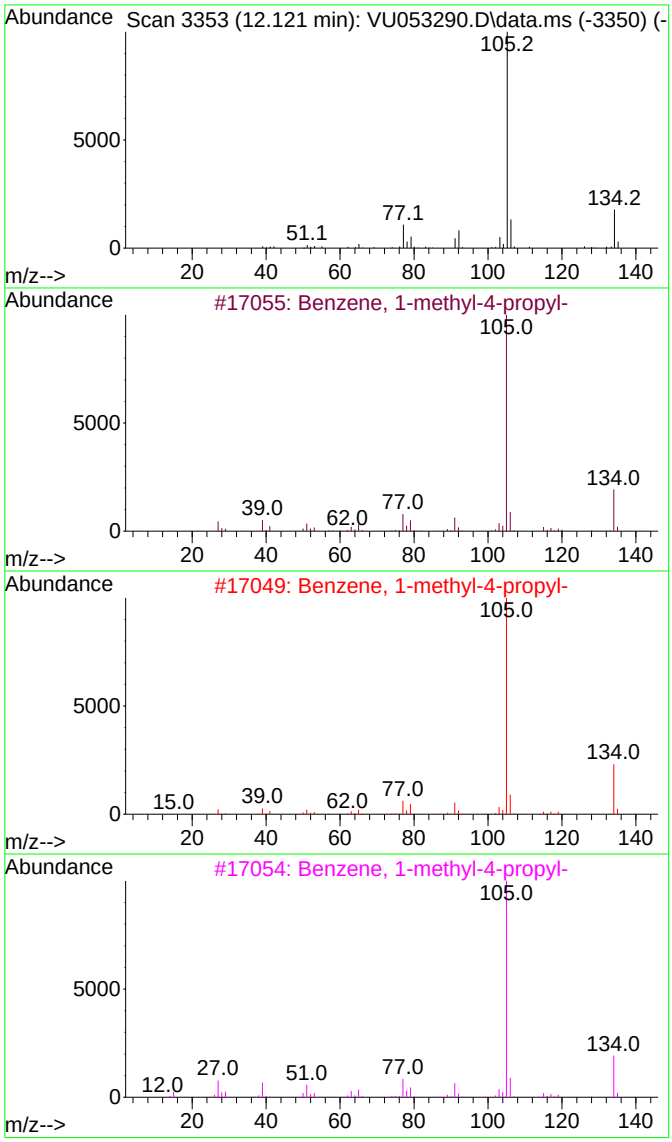
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

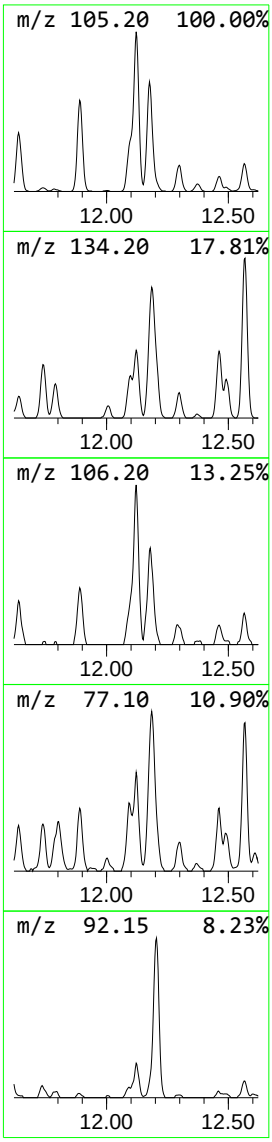
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1-methyl-4-propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	14.02 ug/L	145286	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	78





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

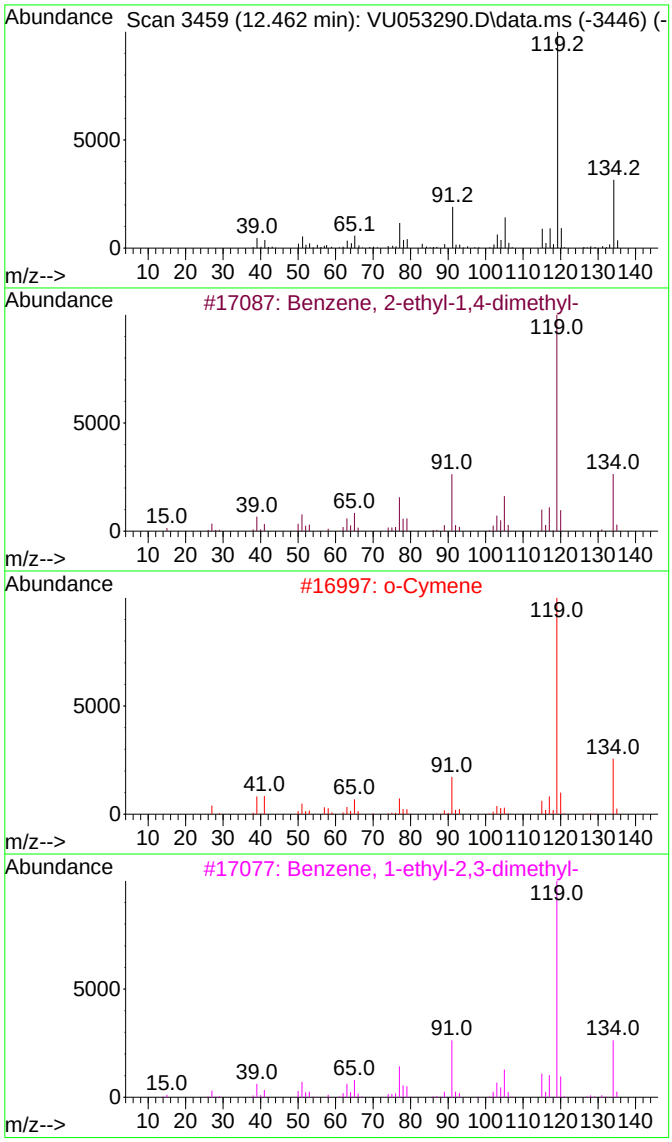
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

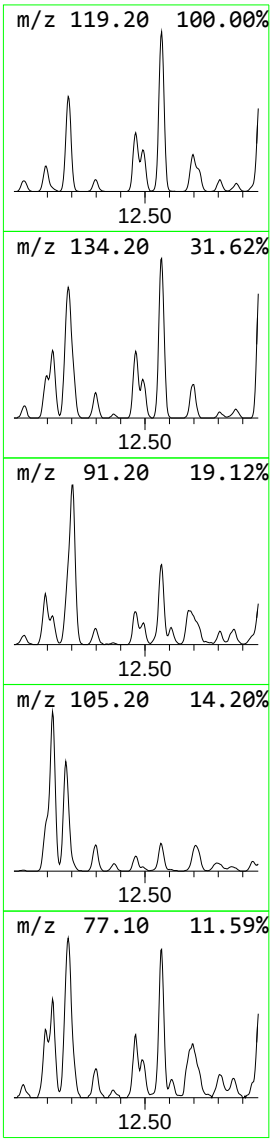
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.462	15.49 ug/L	160503	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

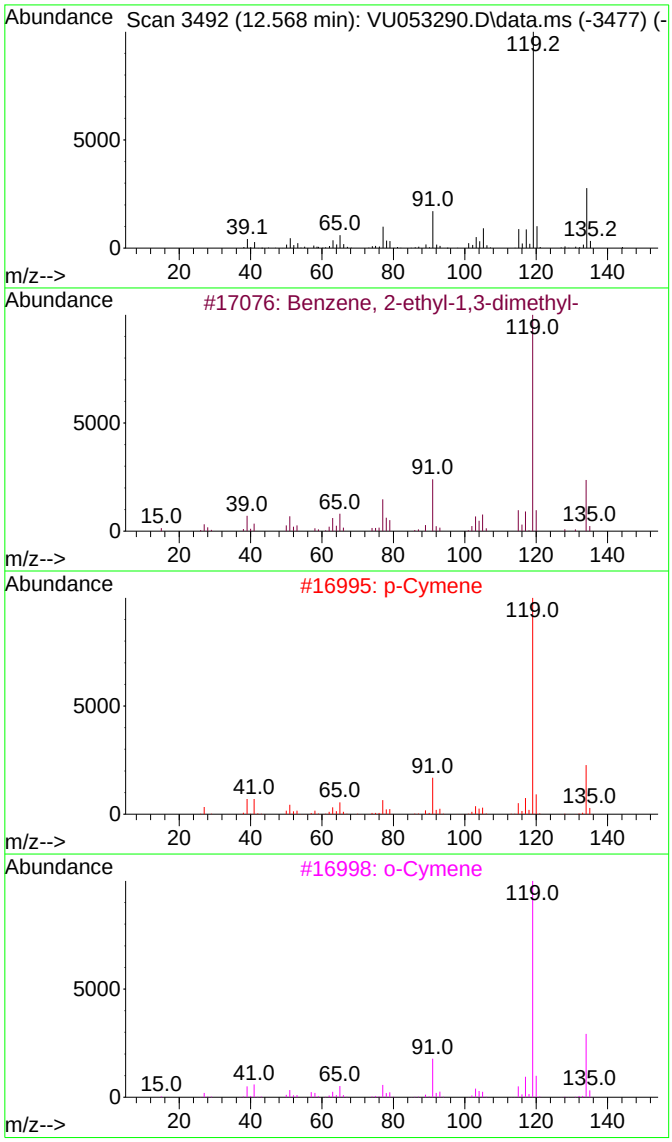
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

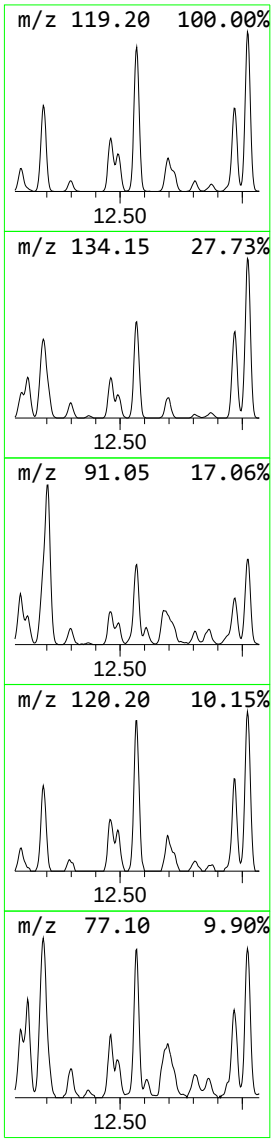
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.568	36.54 ug/L	378695	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

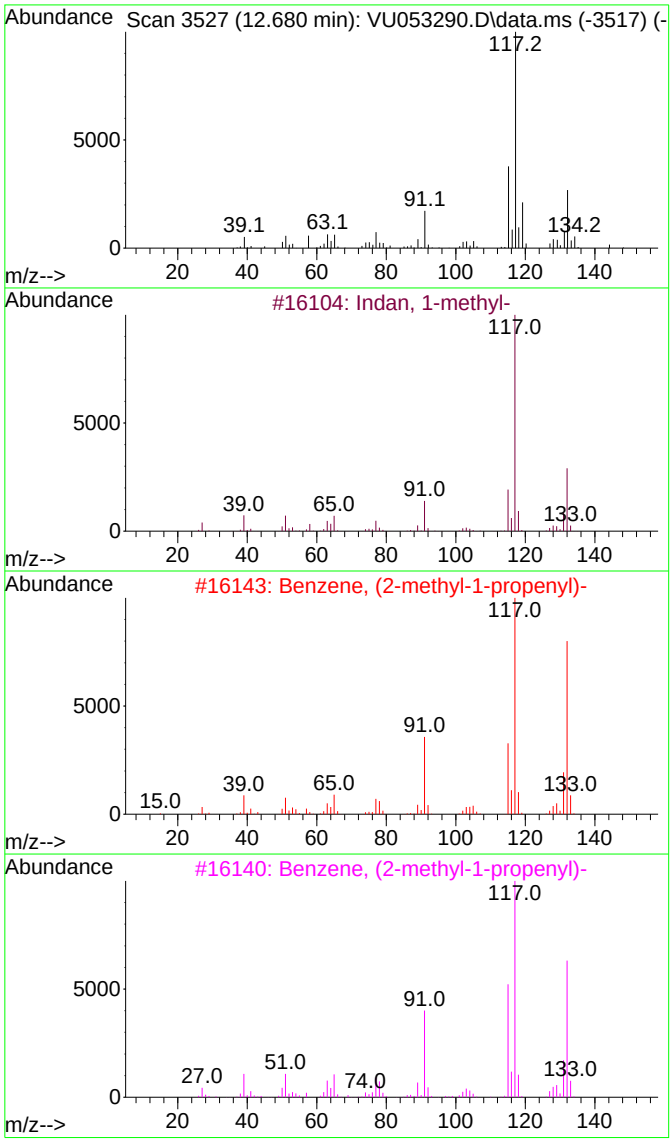
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

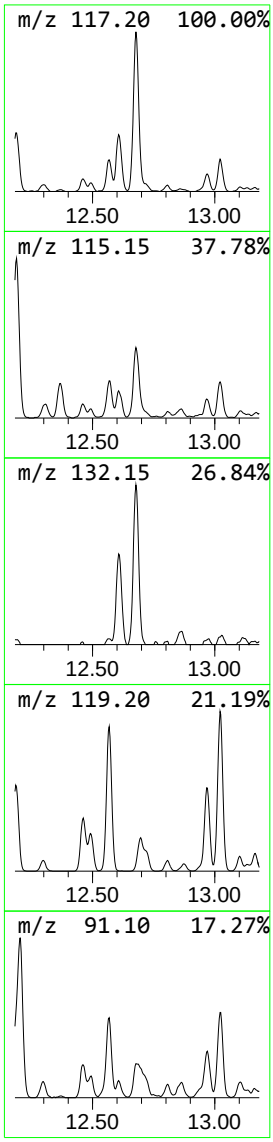
****

Peak Number 28 Indan, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.681	31.84 ug/L	330009	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74





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Acq On : 18 Mar 2023 00:44
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Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

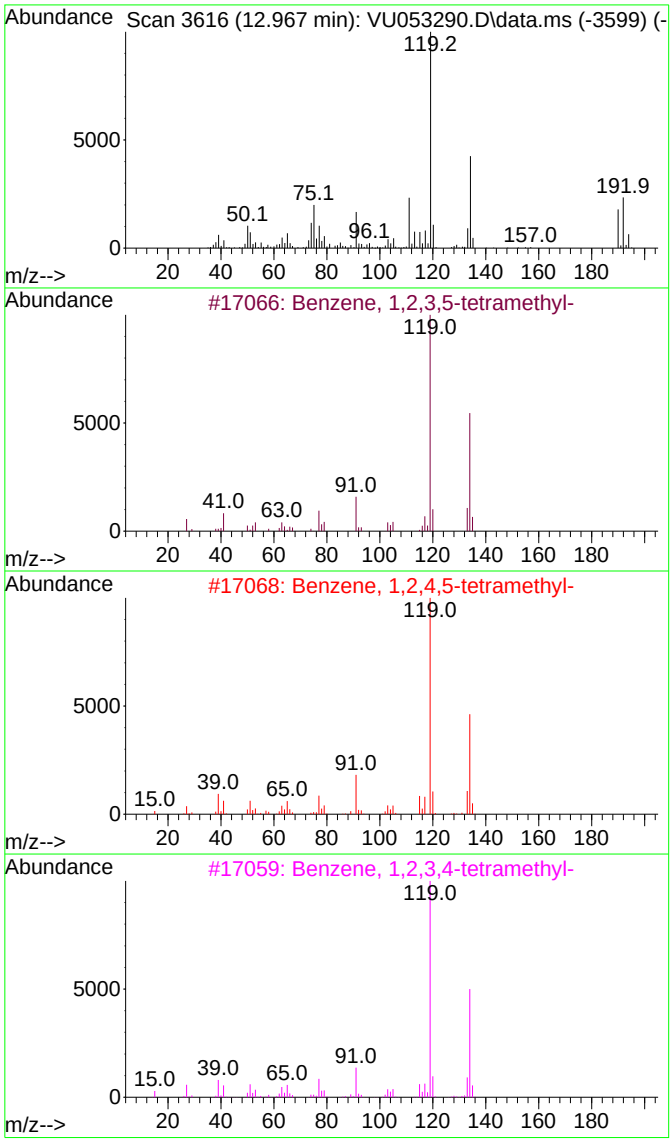
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

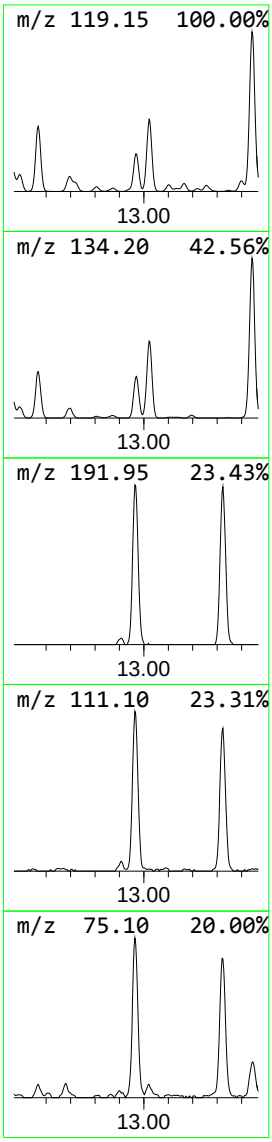
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.967	38.11 ug/L	394943	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	92
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	92





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Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

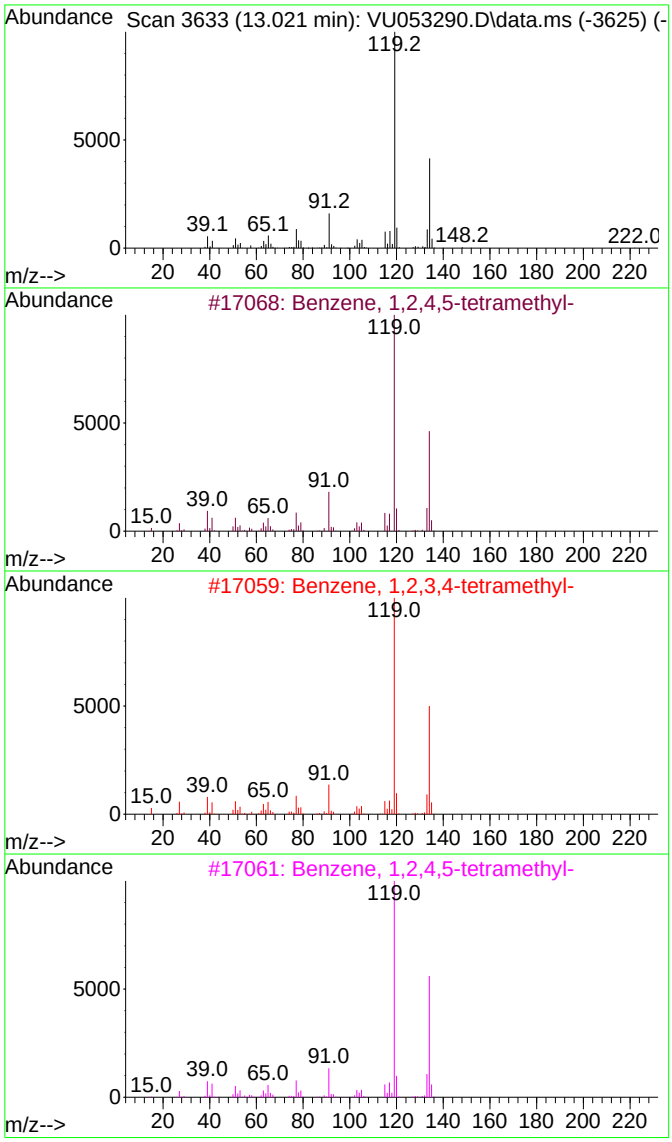
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

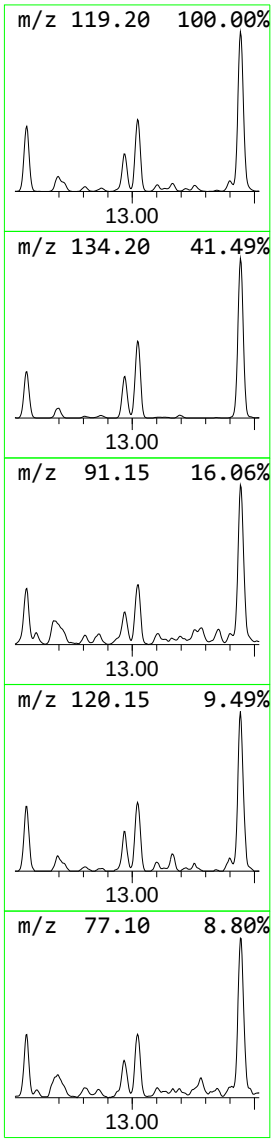
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.021	39.89 ug/L	413373	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





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Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

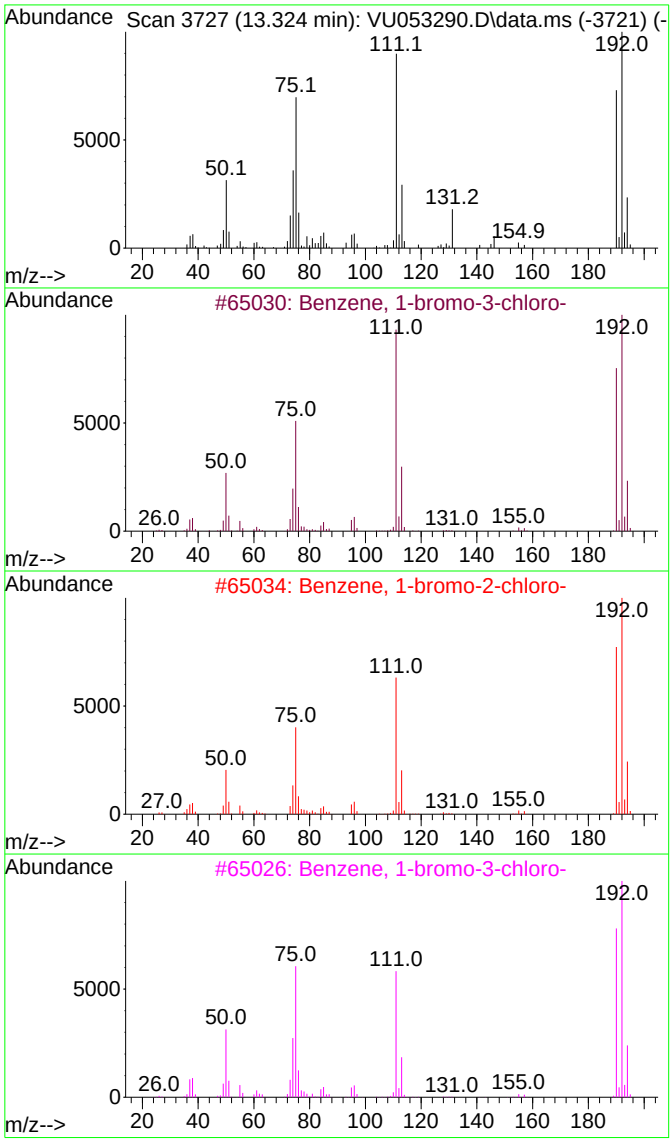
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

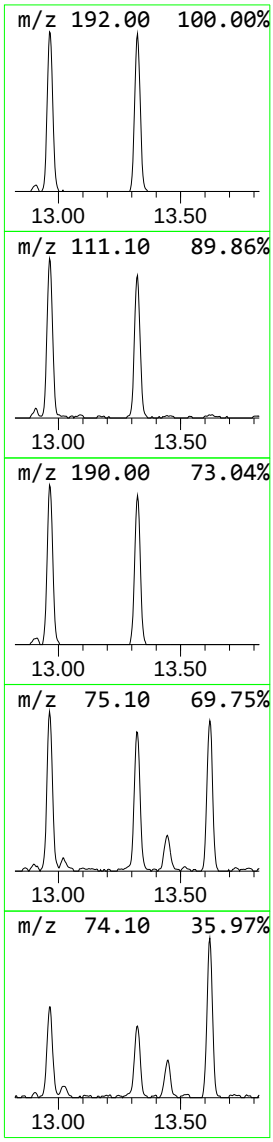
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1-bromo-3-chloro- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.323	16.19 ug/L	167735	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	98
2	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	97
3	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
4	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	97
5	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

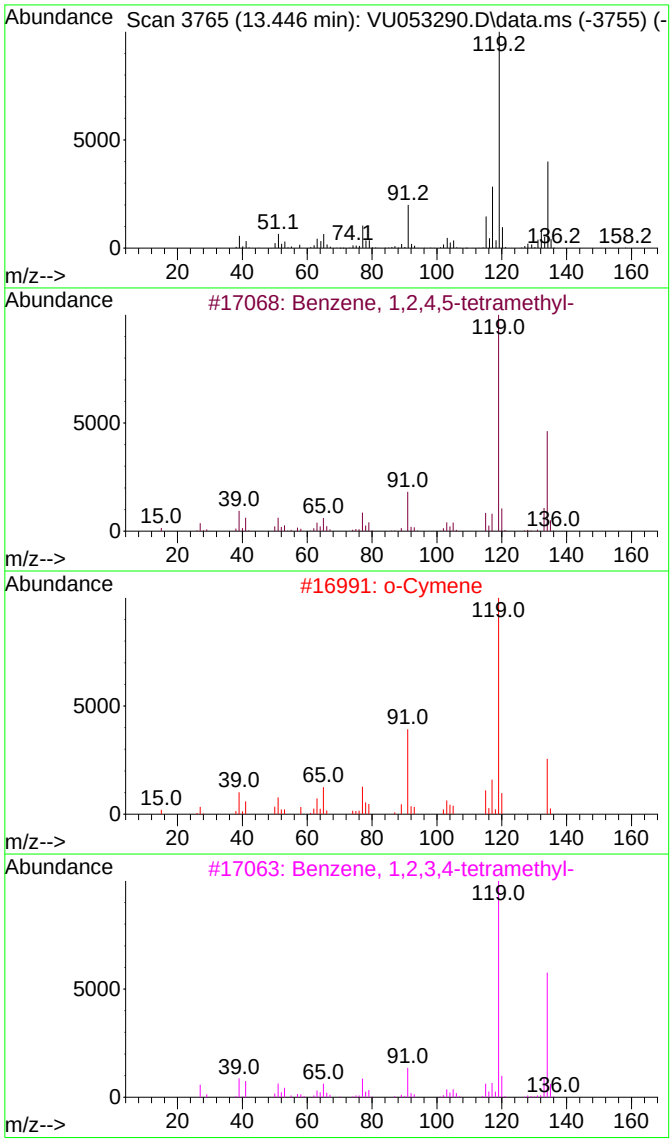
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

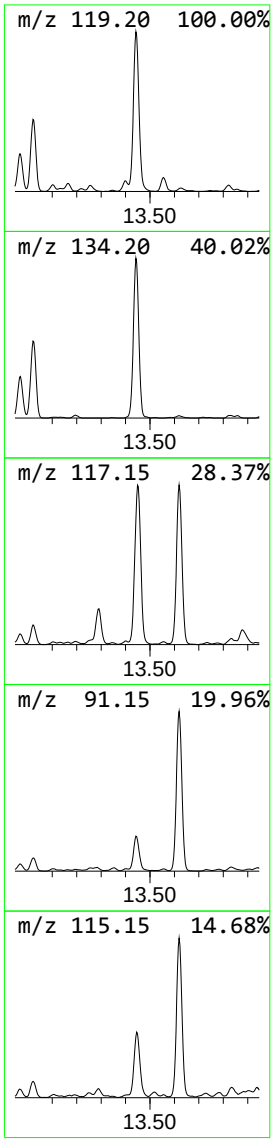
****

Peak Number 38 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.446	114.11 ug/L	1182530	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
2	o-Cymene	134	C10H14	000527-84-4	87
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





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Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

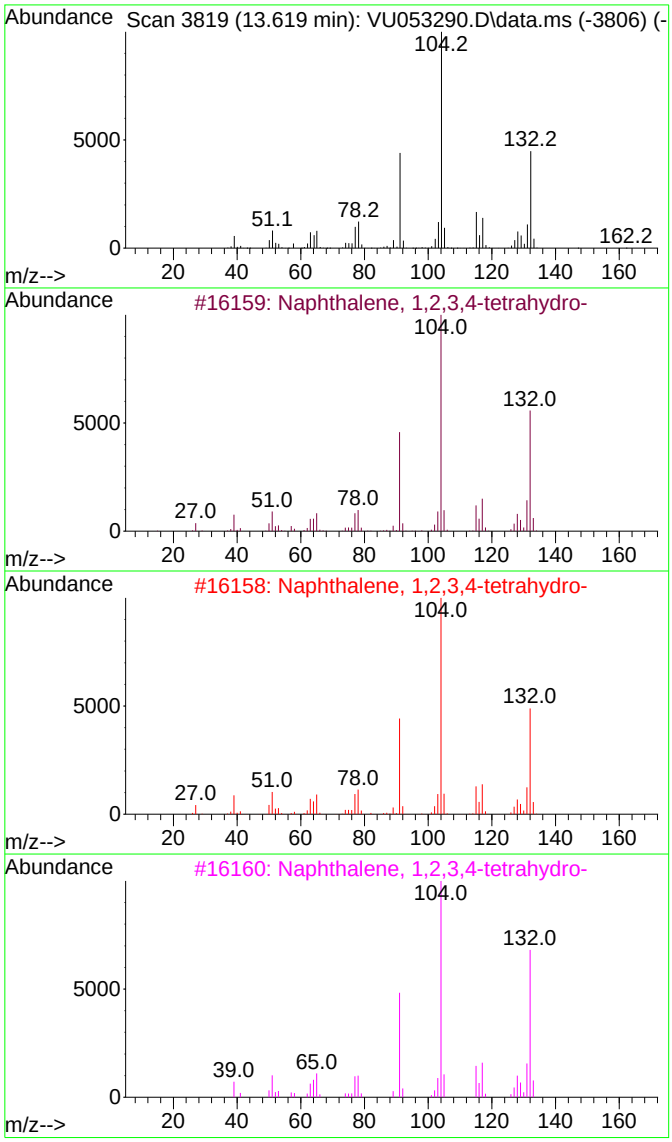
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

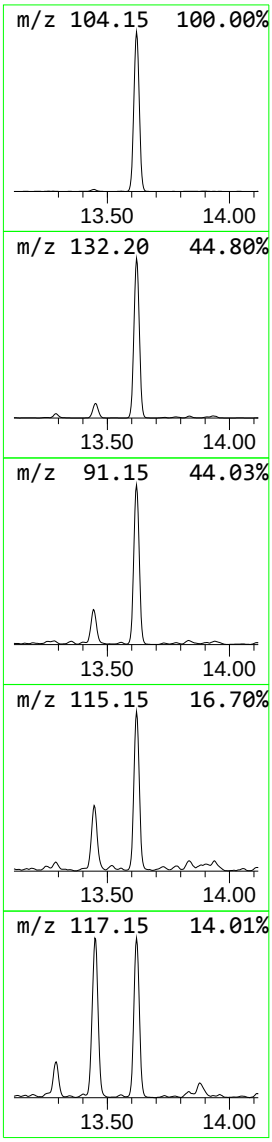
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.619	259.36 ug/L	2687830	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93





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Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

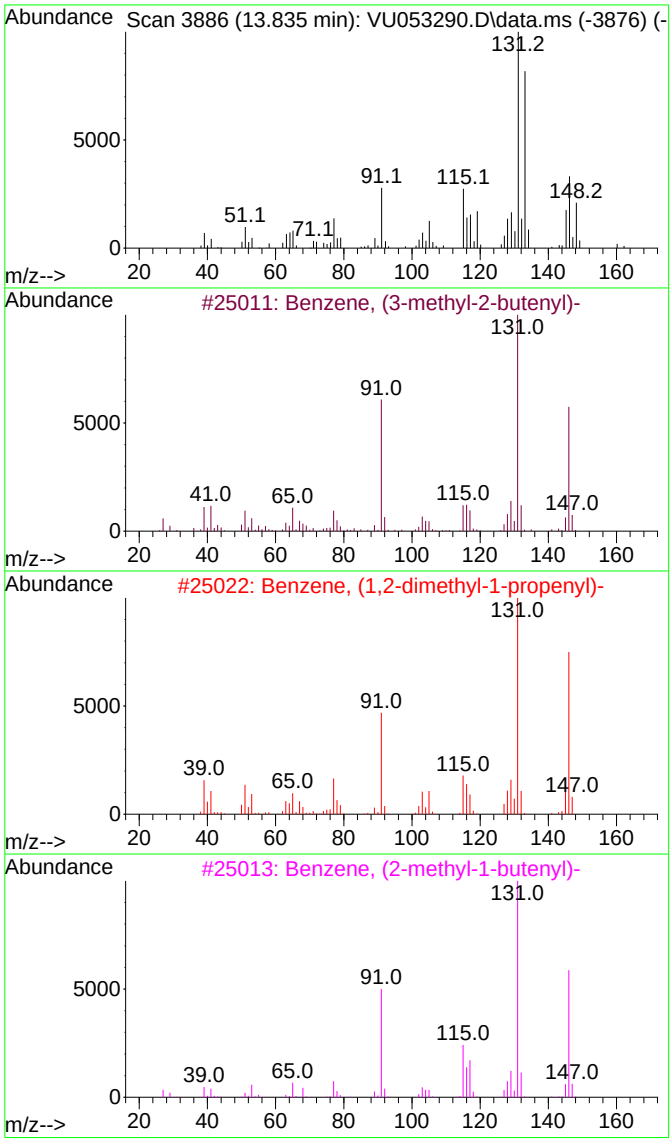
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

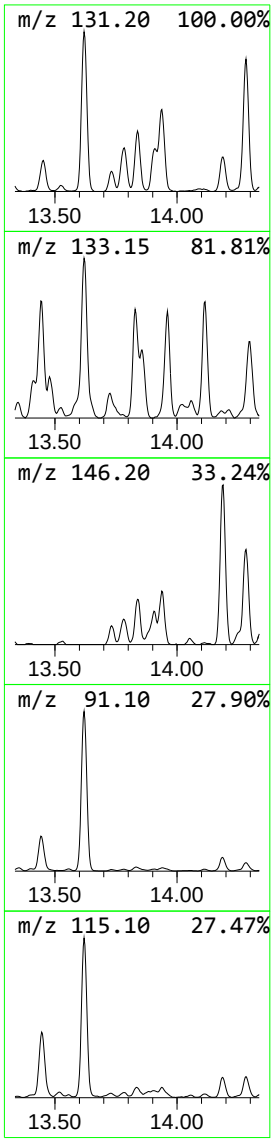
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, (3-methyl-2-butenyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.835	19.35 ug/L	200495	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	89
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	87
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

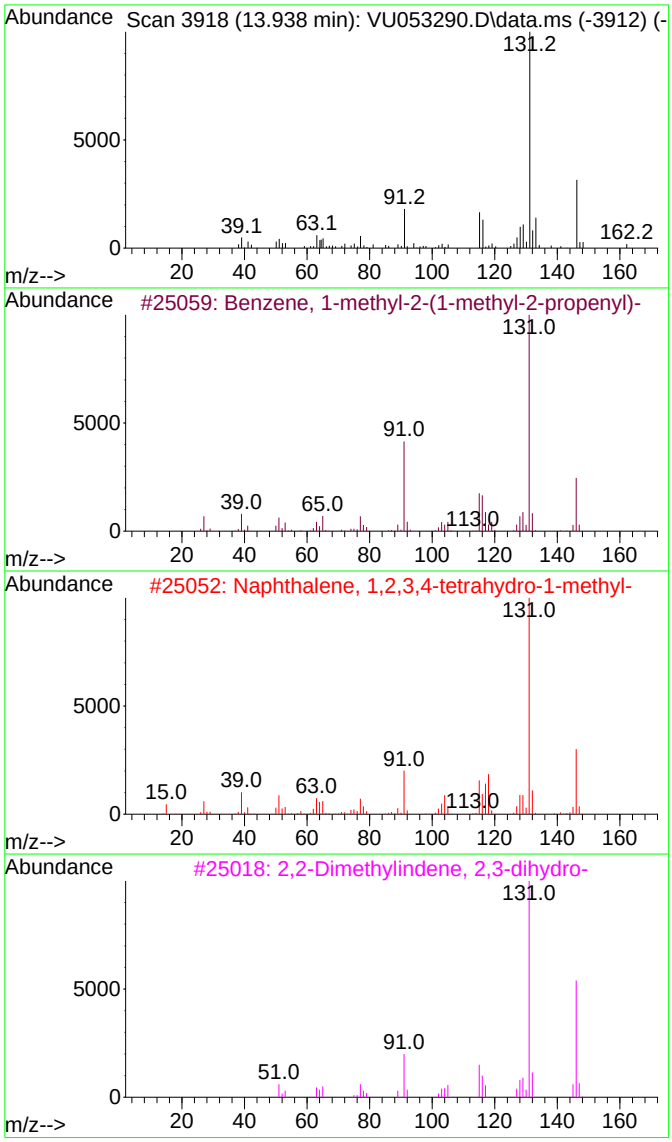
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

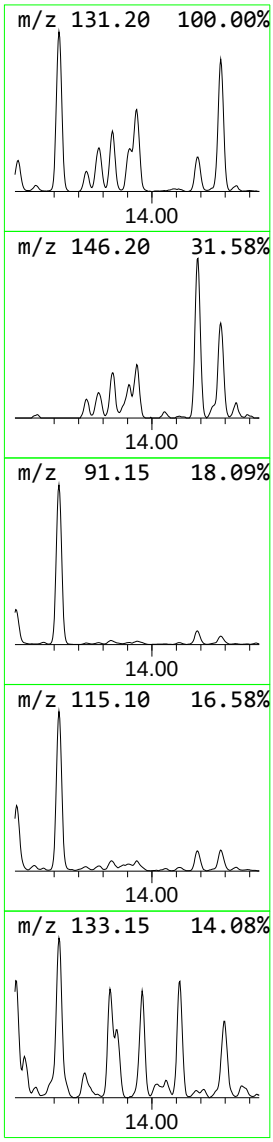
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 1-methyl-2-(1-meth... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.938	18.09 ug/L	187509	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	87
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	83
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

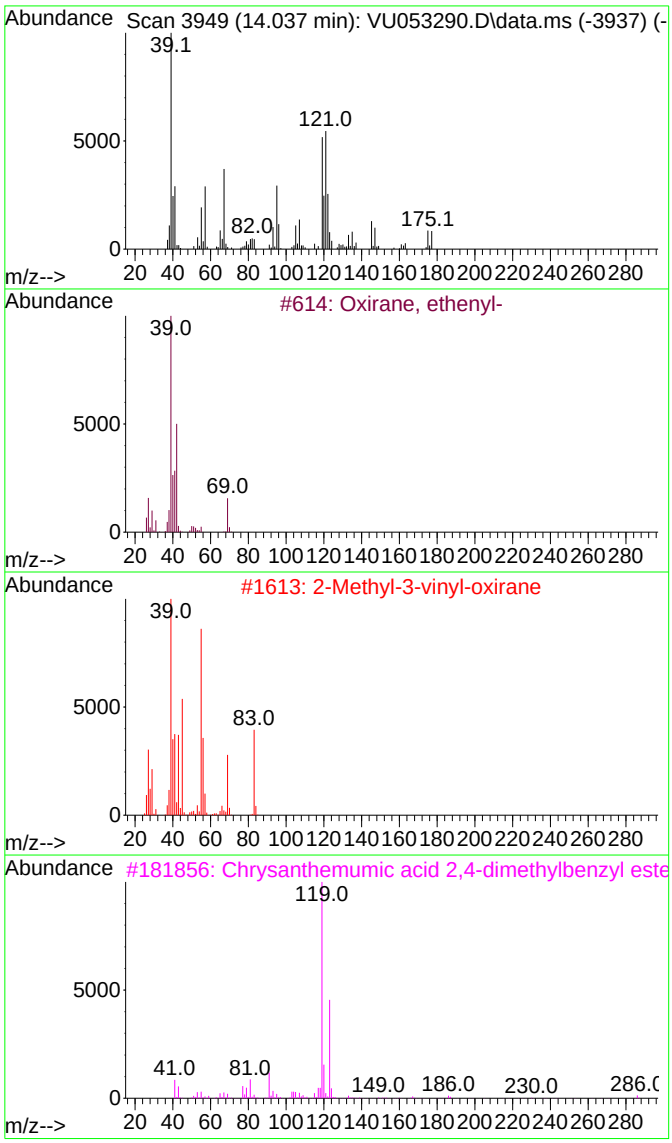
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

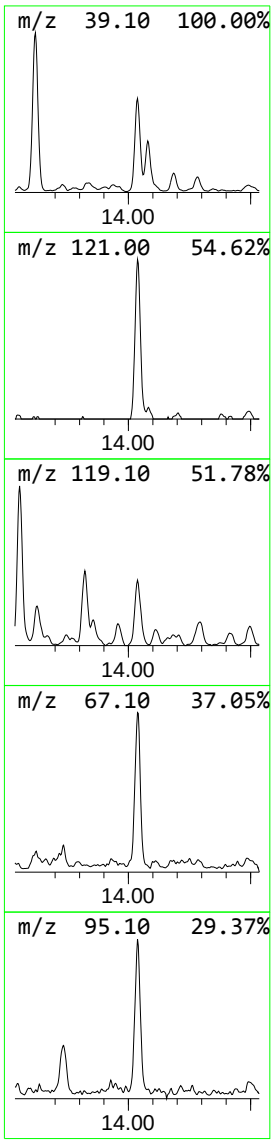
****

Peak Number 46 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.037	15.52 ug/L	160836	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, ethenyl-	70	C4H6O	000930-22-3	40
2	2-Methyl-3-vinyl-oxirane	84	C5H8O	006790-37-0	33
3	Chrysanthemumic acid 2,4-dimethy...	286	C19H26O2	000070-38-2	10
4	Methylphenylsilane	122	C7H10Si	000766-08-5	10
5	N-(2-Methylacryloyl)imidazola	136	C7H8N2O	054060-80-9	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

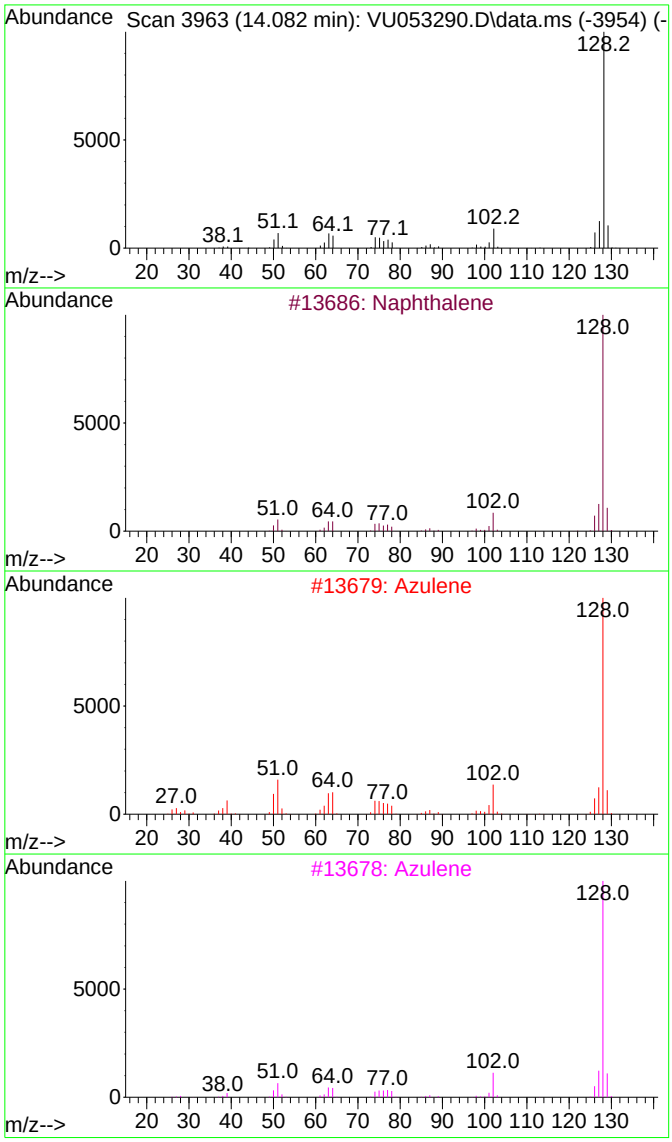
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

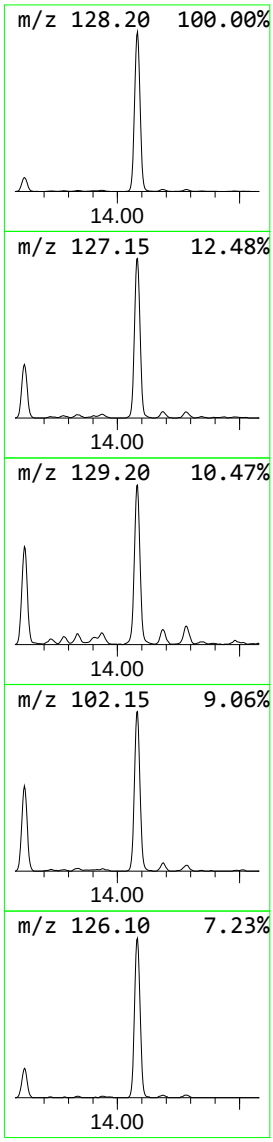
****

Peak Number 47 Azulene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.082	131.97 ug/L	1367640	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	91
3	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Naphthalene	128	C10H8	000091-20-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

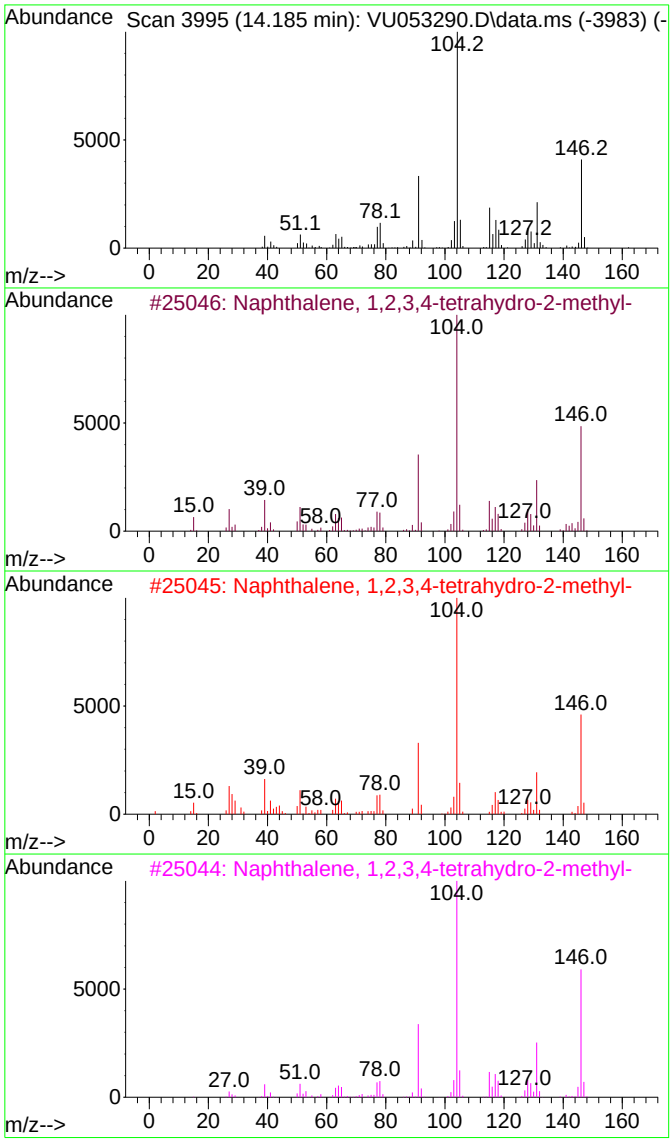
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

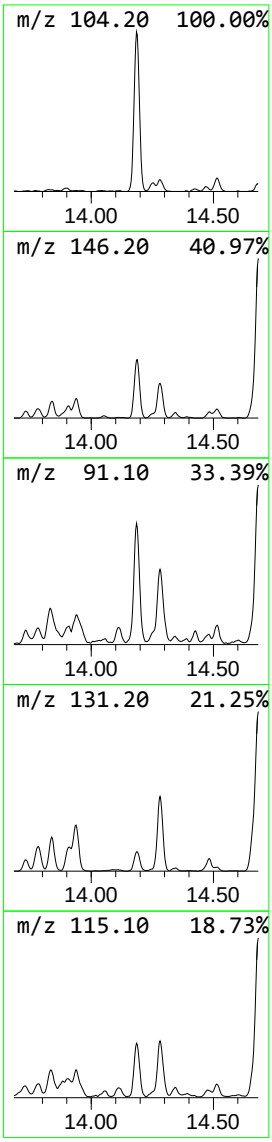
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.185	31.34 ug/L	324765	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

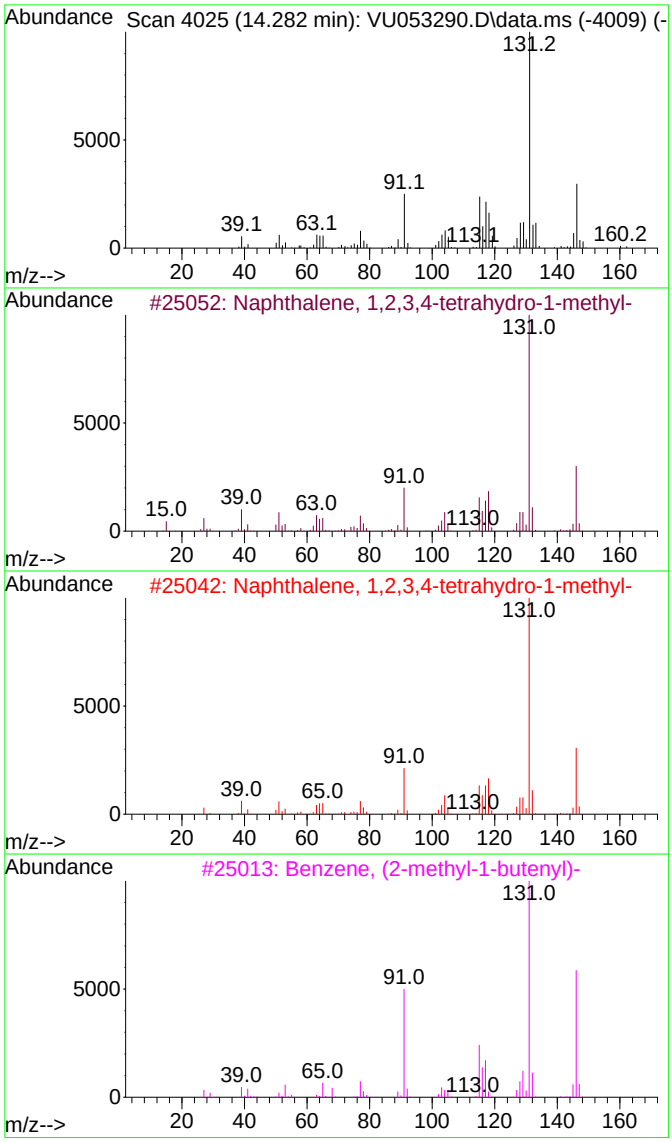
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

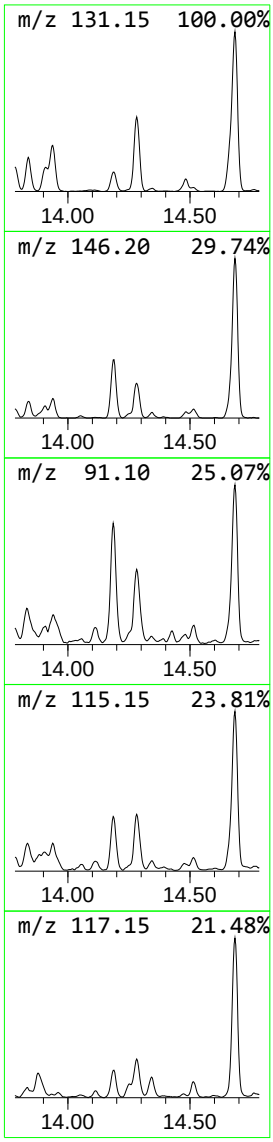
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.282	29.36 ug/L	304258	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	93
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	89
5	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	81





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Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

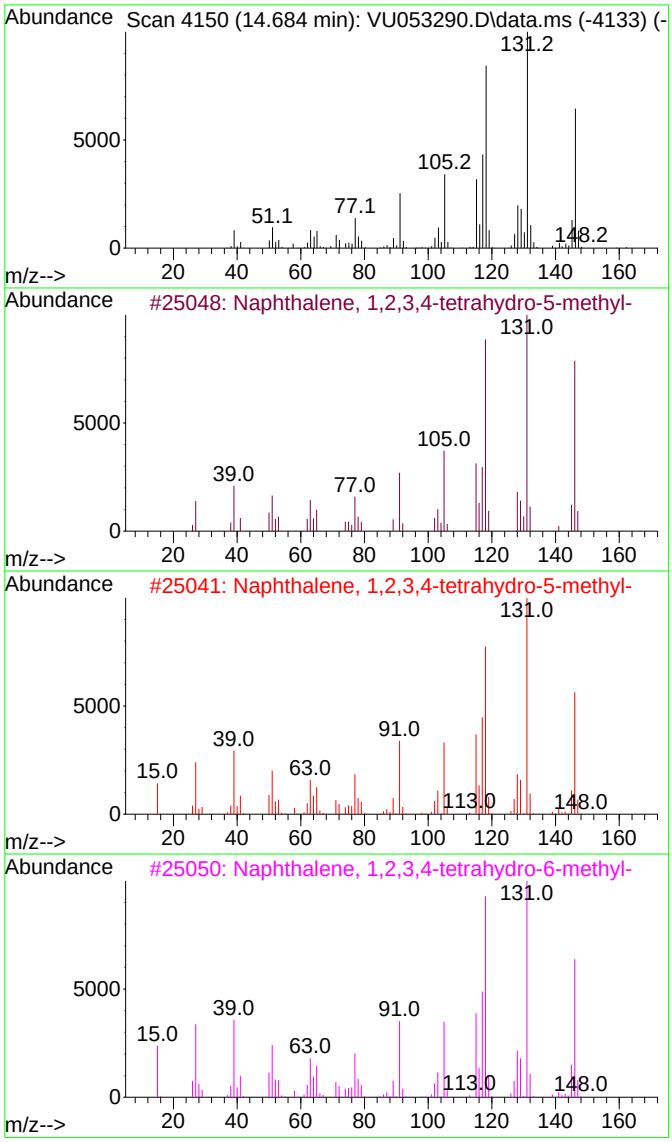
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

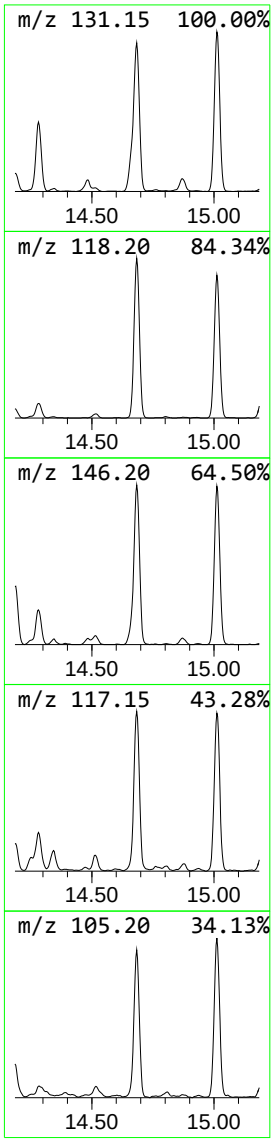
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	90.77 ug/L	940648	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

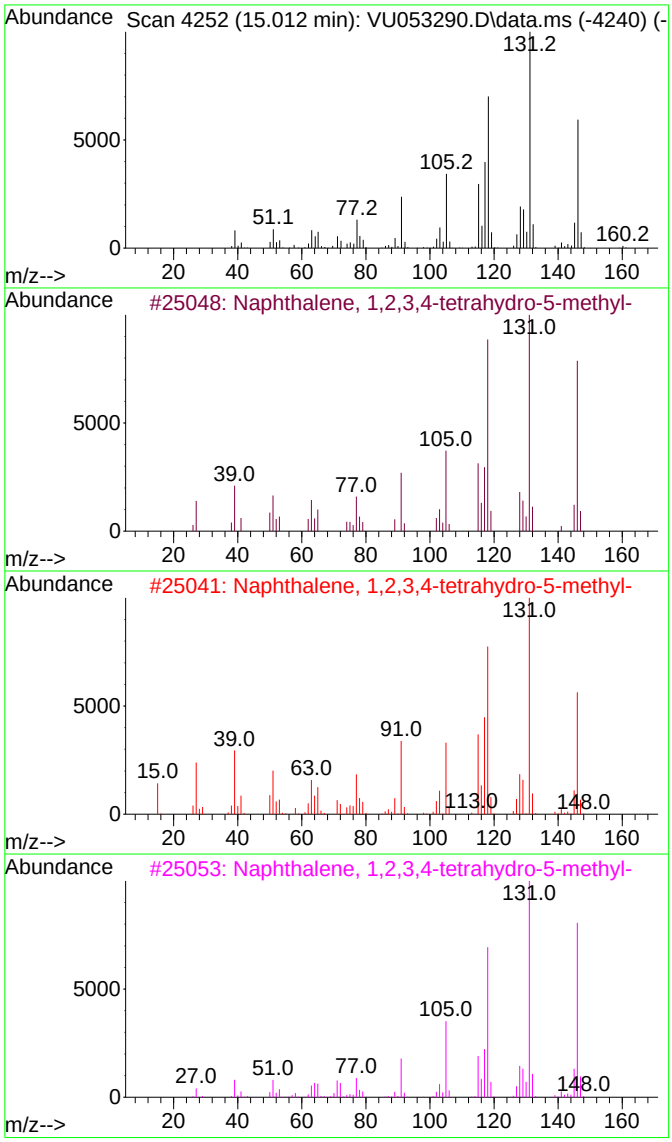
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

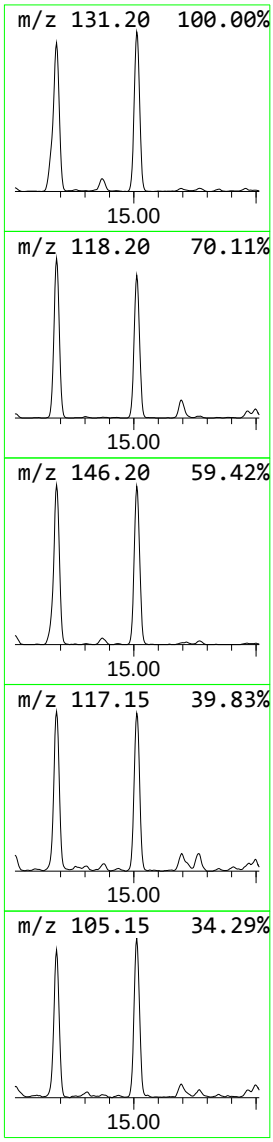
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.012	86.43 ug/L	895690	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

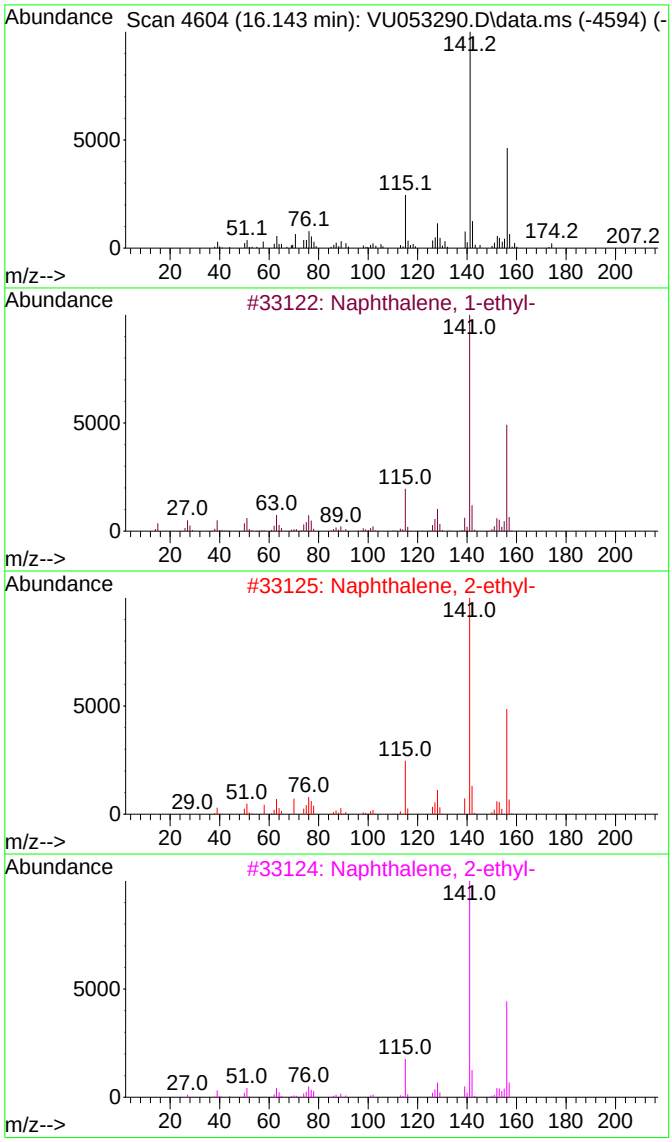
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

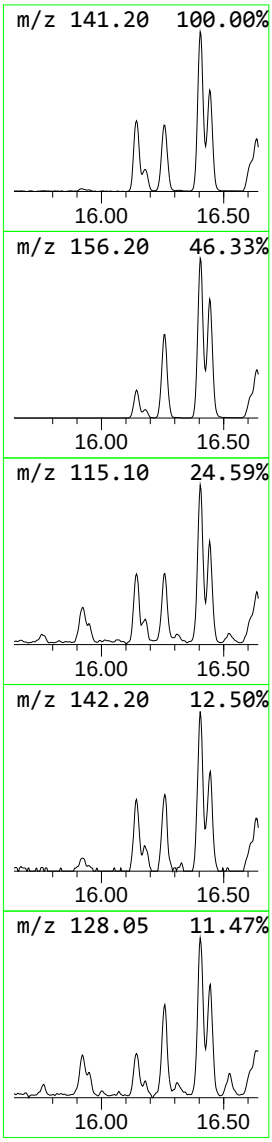
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 Naphthalene, 1-ethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.143	11.27 ug/L	116779	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

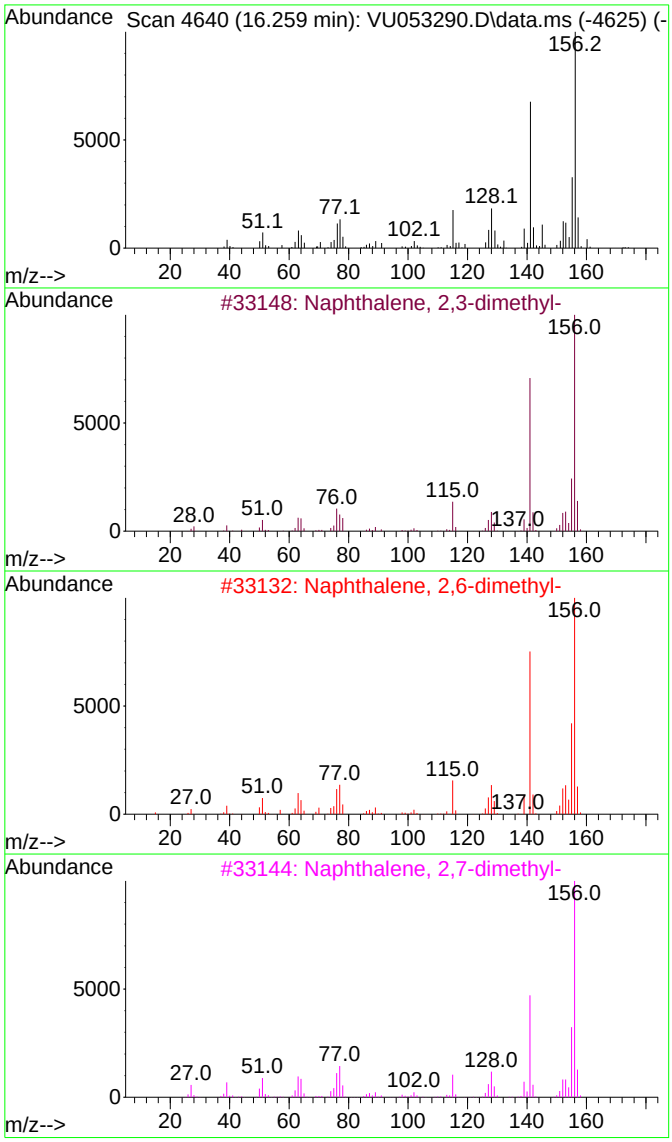
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

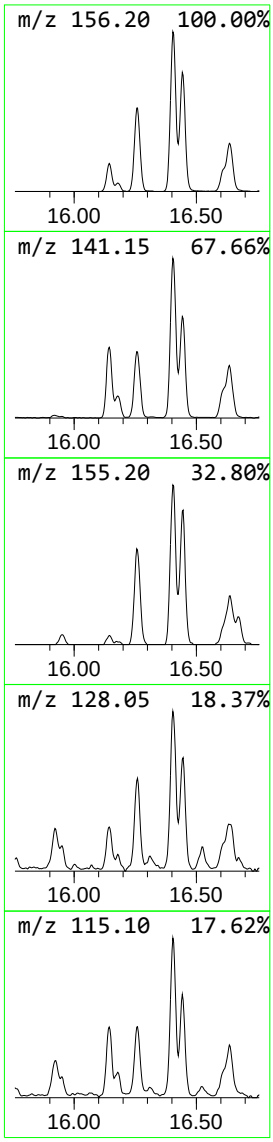
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 Naphthalene, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.259	22.20 ug/L	230070	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

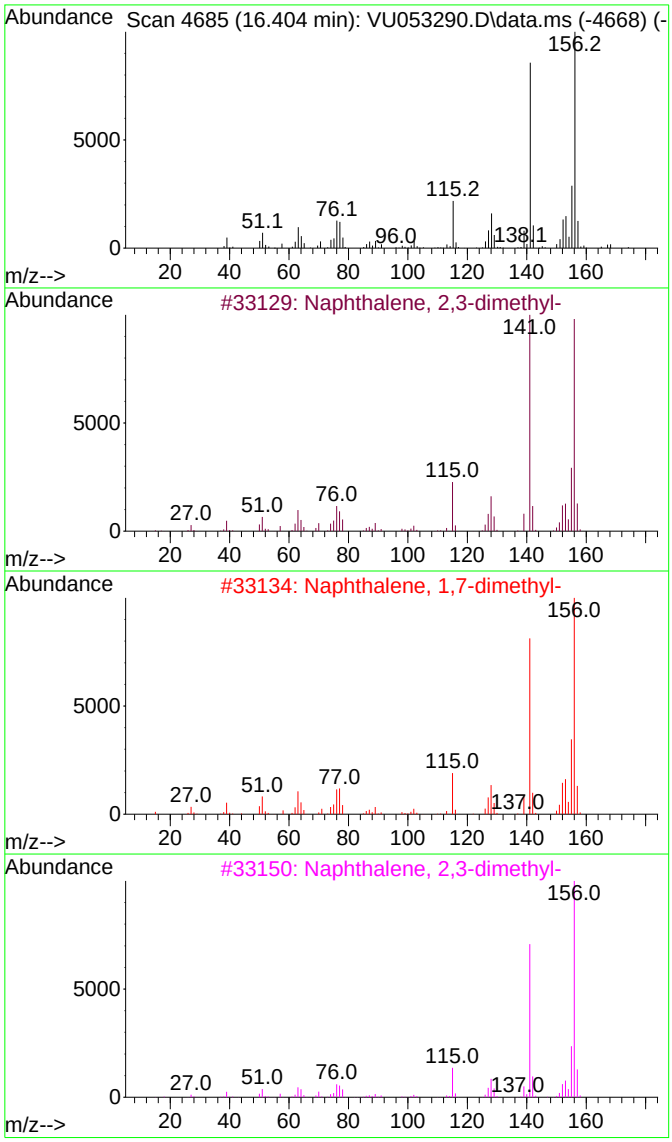
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

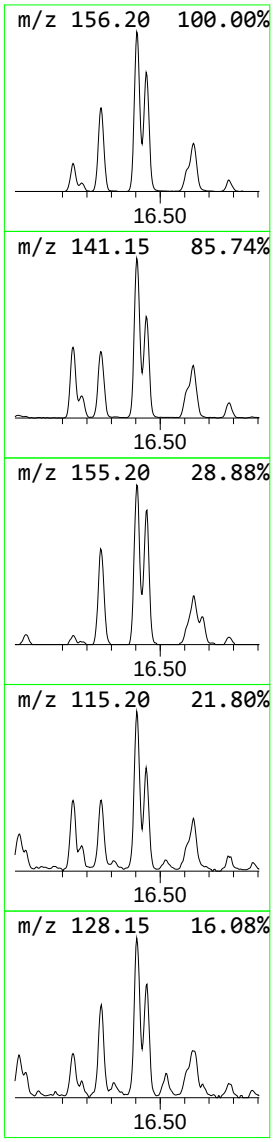
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.404	42.60 ug/L	441431	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

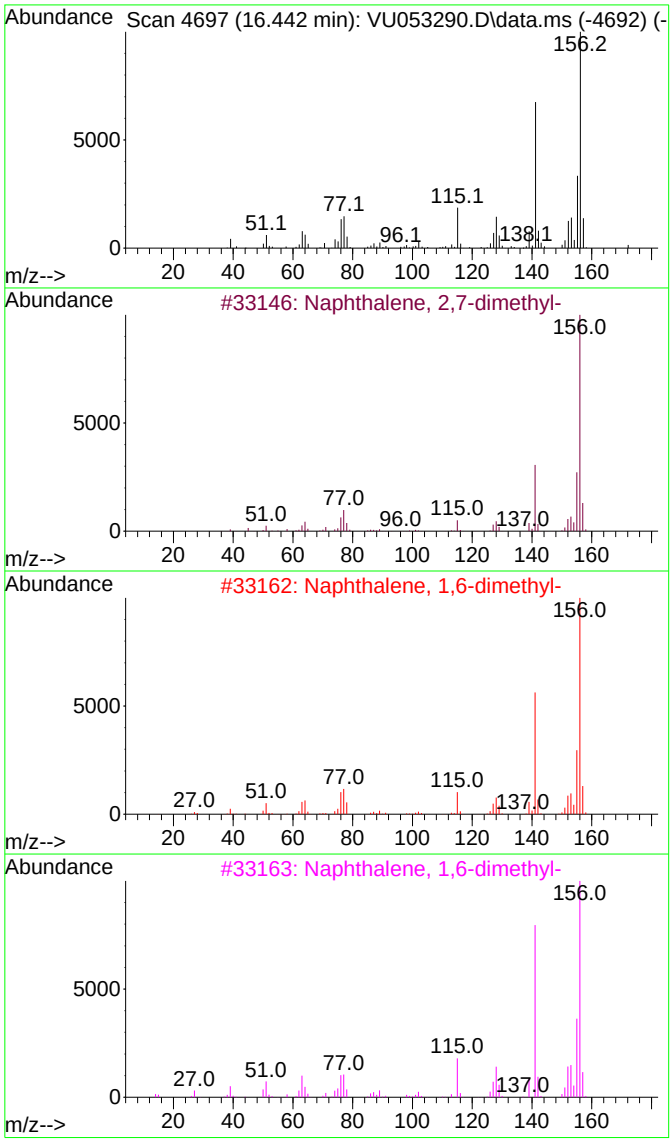
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

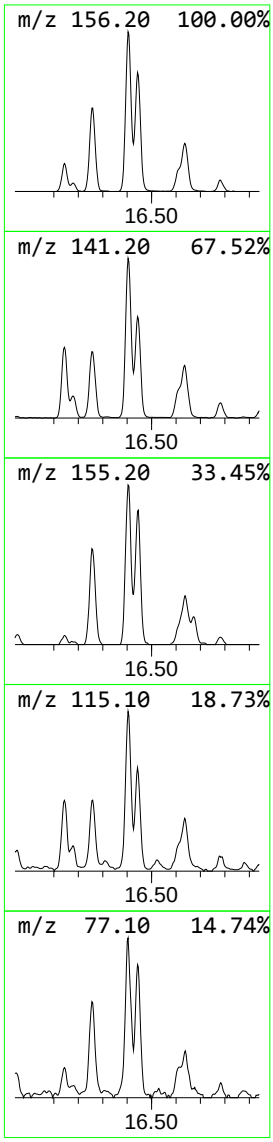
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 Naphthalene, 2,7-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.442	26.05 ug/L	269931	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

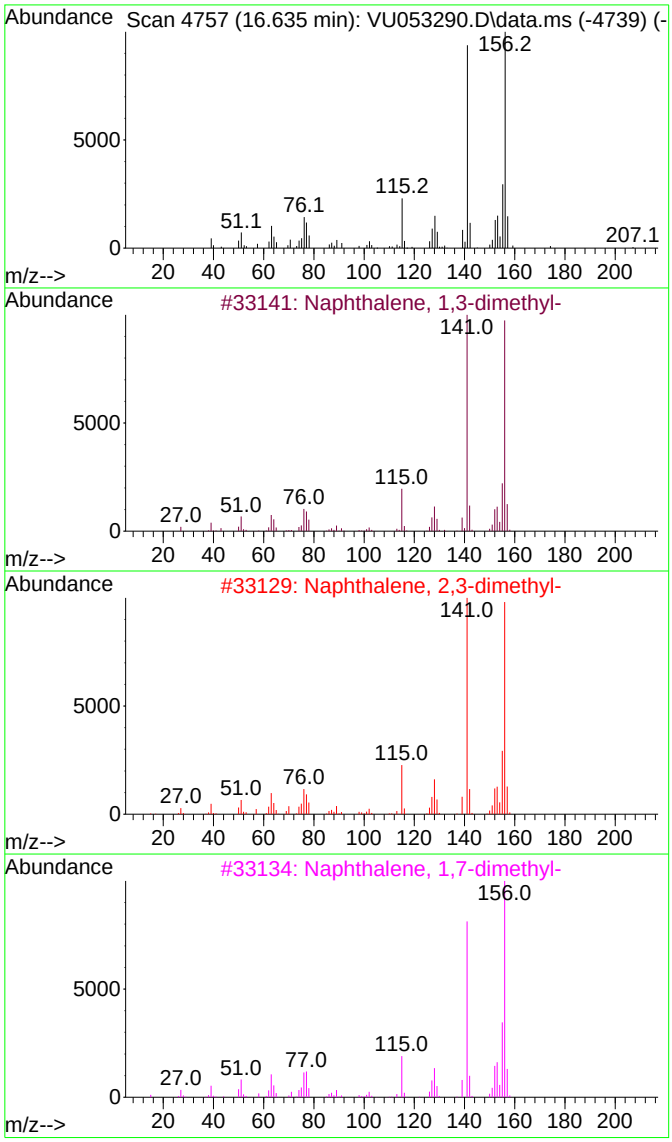
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

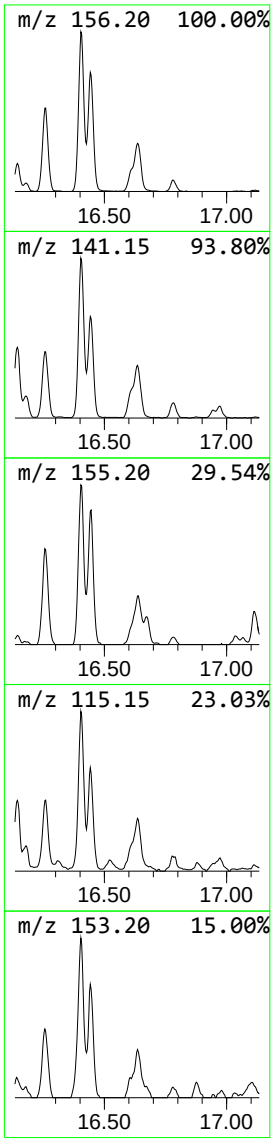
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 Naphthalene, 1,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.635	19.76 ug/L	204809	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053290.D
Acq On : 18 Mar 2023 00:44
Operator : JC/MD
Sample : 01956-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0288

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.356	409.3	ug/L	3085860	1	6.243	377004	50.0
Dimethyl sulfide	2.681	20.0	ug/L	151116	1	6.243	377004	50.0
(DEL) Alkane: C...	3.134	10.7	ug/L	80546	1	6.243	377004	50.0
2-Propen-1-ol	3.925	32.9	ug/L	247919	1	6.243	377004	50.0
(DEL) Alkane: C...	4.526	45.4	ug/L	342134	1	6.243	377004	50.0
Furan, tetrahyd...	5.951	136.2	ug/L	1026820	1	6.243	377004	50.0
1-Propene, 3,3'...	6.465	38.5	ug/L	290700	1	6.243	377004	50.0
(DEL) Alkane: C...	6.980	6.7	ug/L	50674	1	6.243	377004	50.0
Benzene, propyl-	10.902	35.6	ug/L	368755	3	11.809	518159	50.0
Benzene, 1-ethy...	10.992	59.8	ug/L	619550	3	11.809	518159	50.0
p-Cymene	11.738	14.4	ug/L	149489	3	11.809	518159	50.0
Benzene, 2-prop...	12.092	25.7	ug/L	266155	3	11.809	518159	50.0
Benzene, 1-meth...	12.121	14.0	ug/L	145286	3	11.809	518159	50.0
Benzene, 2-ethy...	12.462	15.5	ug/L	160503	3	11.809	518159	50.0
Benzene, 2-ethy...	12.568	36.5	ug/L	378695	3	11.809	518159	50.0
Indan, 1-methyl-	12.681	31.8	ug/L	330009	3	11.809	518159	50.0
Benzene, 1,2,3,...	12.967	38.1	ug/L	394943	3	11.809	518159	50.0
Benzene, 1,2,4,...	13.021	39.9	ug/L	413373	3	11.809	518159	50.0
Benzene, 1-brom...	13.323	16.2	ug/L	167735	3	11.809	518159	50.0
o-Cymene	13.446	114.1	ug/L	1182530	3	11.809	518159	50.0
Naphthalene, 1,...	13.619	259.4	ug/L	2687830	3	11.809	518159	50.0
Benzene, (3-met...	13.835	19.4	ug/L	200495	3	11.809	518159	50.0
Benzene, 1-meth...	13.938	18.1	ug/L	187509	3	11.809	518159	50.0
unknown-01	14.037	15.5	ug/L	160836	3	11.809	518159	50.0
Azulene	14.082	132.0	ug/L	1367640	3	11.809	518159	50.0
Naphthalene, 1,...	14.185	31.3	ug/L	324765	3	11.809	518159	50.0
Naphthalene, 1,...	14.282	29.4	ug/L	304258	3	11.809	518159	50.0
Naphthalene, 1,...	14.684	90.8	ug/L	940648	3	11.809	518159	50.0
Naphthalene, 1,...	15.012	86.4	ug/L	895690	3	11.809	518159	50.0
Naphthalene, 1-...	16.143	11.3	ug/L	116779	3	11.809	518159	50.0
Naphthalene, 2,...	16.259	22.2	ug/L	230070	3	11.809	518159	50.0
Naphthalene, 1,...	16.404	42.6	ug/L	441431	3	11.809	518159	50.0
Naphthalene, 2,...	16.442	26.1	ug/L	269931	3	11.809	518159	50.0
Naphthalene, 1,...	16.635	19.8	ug/L	204809	3	11.809	518159	50.0