LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

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\SFAMULM061022WMA.M
Title : VOC Analysis

Signal : TIC: VU049037.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.604	74	82	102	rBV	556305	623021	0.91%	0.407%
2	1.935	177	185	199	rVB	83683	106935	0.16%	0.070%
3	2.080	223	230	241	rVB	30237	40917	0.06%	0.027%
4	2.141	241	249	254	rBV	17734	26316	0.04%	0.017%
5	2.244	274	281	295	rVB2	18749	26604	0.04%	0.017%
6	2.472	345	352	366	rVB2	11366	18701	0.03%	0.012%
7	2.581	372	386	410	rBV	579486	944664	1.38%	0.618%
8	2.687	410	419	430	rVB6	3202	6707	0.01%	0.004%
9	2.893	476	483	491	rVV3	1638	2518	0.00%	0.002%
10	3.047	518	531	538	rBV3	9262	17670	0.03%	0.012%
11	3.356	611	627	648	rBV	217010	431137	0.63%	0.282%
12	3.700	721	734	747	rVV4	9132	19845	0.03%	0.013%
13	3.871	765	787	827	rBV	6381392	15106766	22.03%	9.876%
14	4.533	980	993	1008	rVV4	11022	27035	0.04%	0.018%
15	4.668	1014	1035	1094	rBV2	30302696	68584379	100.00%	44.836%
16	5.317	1217	1237	1276	rVB	8751240	19626533	28.62%	12.831%
17	5.790	1368	1384	1410	rVB2	124599	325525	0.47%	0.213%
18	5.993	1436	1447	1457	rVB6	4900	9603	0.01%	0.006%
19	6.137	1484	1492	1494	rBV4	2841	3841	0.01%	0.003%
20	6.542	1602	1618	1635	rBV	88754	169458	0.25%	0.111%
21	6.761	1669	1686	1704	rBV3	50284	107094	0.16%	0.070%
22	6.925	1728	1737	1742	rVV2	2664	4258	0.01%	0.003%
23	6.977	1745	1753	1766	rVB8	4250	9170	0.01%	0.006%
24	7.073	1778	1783	1791	rVB7	1667	2365	0.00%	0.002%
25	7.237	1826	1834	1836	rBV5	2000	2496	0.00%	0.002%
26	7.591	1935	1944	1948	rBV5	1589	1982	0.00%	0.001%
27	7.790	1991	2006	2018	rBV	109092	192702	0.28%	0.126%
28	7.854	2020	2026	2035	rVV4	8360	14037	0.02%	0.009%
29	7.970	2048	2062	2075	rBV	1342435	2276815	3.32%	1.488%
30	8.243	2137	2147	2161	rBV5	14421	26621	0.04%	0.017%
31	8.369	2176	2186	2188	rBV5	8020	10619	0.02%	0.007%
32	8.401	2189	2196	2210	rVB4	31030	53123	0.08%	0.035%
33	8.552	2231	2243	2260	rBV	92568	154805	0.23%	0.101%
34	8.694	2279	2287	2302	rVB4	3957	7516	0.01%	0.005%
35	8.809	2314	2323	2331	rBV6	6700	10962	0.02%	0.007%
36	8.864	2331	2340	2349	rVV3	22471	37508	0.05%	0.025%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

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\SFAMULM061022WMA.M
Title : VOC Analysis

37	8.922	2349	2358	2370	rVV4	10599	17439	0.03%	0.011%
38	9.166	2426	2434	2441	rBV5	2593	3707	0.01%	0.002%
39	9.272	2457	2467	2475	rBV3	3195	5254	0.01%	0.003%
40	9.510	2530	2541	2547	rBV4	11235	18973	0.03%	0.012%
41	9.571	2547	2560	2581	rVB	931047	1469363	2.14%	0.961%
42	9.690	2584	2597	2614	rBV	2136096	3458010	5.04%	2.261%
43	9.886	2650	2658	2663	rBV7	6502	9882	0.01%	0.006%
44	10.041	2691	2706	2711	rBV6	9079	20319	0.03%	0.013%
45	10.099	2711	2724	2752	rVB	1653854	2607907	3.80%	1.705%
46	10.240	2757	2768	2770	rBV7	6684	10379	0.02%	0.007%
47	10.272	2771	2778	2789	rVB3	30583	49903	0.07%	0.033%
48	10.362	2794	2806	2823	rBV7	14414	34157	0.05%	0.022%
49	10.484	2824	2844	2855	rBV	199185	314124	0.46%	0.205%
50	10.571	2864	2871	2884	rVB2	9520	15171	0.02%	0.010%
51	10.642	2884	2893	2899	rBV2	6389	8629	0.01%	0.006%
52	10.697	2900	2910	2920	rVB6	15653	26803	0.04%	0.018%
53	10.812	2940	2946	2960	rVB10	13680	23725	0.03%	0.016%
54	10.906	2960	2975	2988	rBV	769756	1220431	1.78%	0.798%
55	10.999	2991	3004	3021	rVV	1812556	4075216	5.94%	2.664%
56	11.086	3021	3031	3053	rVB	1714413	2634989	3.84%	1.723%
57	11.234	3066	3077	3083	rBV2	28043	43968	0.06%	0.029%
58	11.291	3083	3095	3116	rVB	1808757	2765276	4.03%	1.808%
59	11.420	3125	3135	3137	rBV3	12873	17663	0.03%	0.012%
60	11.468	3137	3150	3169	rVB	7400207	11211549	16.35%	7.329%
61	11.610	3184	3194	3198	rBV	65280	101301	0.15%	0.066%
62	11.642	3199	3204	3217	rVB	127029	186699	0.27%	0.122%
63	11.742	3224	3235	3244	rBV	205293	322097	0.47%	0.211%
64	11.793	3244	3251	3268	rVB2	104734	167179	0.24%	0.109%
65	11.893	3269	3282	3307	rBV	2628293	4024684	5.87%	2.631%
66	12.009	3309	3318	3329	rVB	34391	56524	0.08%	0.037%
67	12.095	3329	3345	3351	rBV2	911772	1489016	2.17%	0.973%
68	12.189	3363	3374	3398	rVB5	546157	1111451	1.62%	0.727%
69	12.301	3399	3409	3421	rBV3	64369	103629	0.15%	0.068%
70	12.375	3421	3432	3447	rVB	199141	308772	0.45%	0.202%
71	12.484	3448	3466	3483	rBV3	849566	2015632	2.94%	1.318%
72	12.571	3484	3493	3501	rBV	394937	583361	0.85%	0.381%
73	12.684	3518	3528	3548	rBV4	169218	443792	0.65%	0.290%
74	12.809	3558	3567	3576	rBV3	28808	44975	0.07%	0.029%
75	12.873	3576	3587	3599	rVB3	152703	260254	0.38%	0.170%
76	12.973	3599	3618	3626	rBV	202047	366601	0.53%	0.240%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

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\SFAMULM061022WMA.M
Title : VOC Analysis

77	13.025	3626	3634	3647	rVB	338547	514378	0.75%	0.336%
78	13.108	3649	3660	3666	rBV3	29515	52590	0.08%	0.034%
79	13.169	3675	3679	3684	rVB	10191	10000	0.01%	0.007%
80	13.253	3698	3705	3710	rBV4	17313	28132	0.04%	0.018%
81	13.291	3710	3717	3727	rVB	74554	112054	0.16%	0.073%
82	13.407	3744	3753	3756	rBV3	27780	40980	0.06%	0.027%
83	13.449	3757	3766	3781	rVB5	336128	578428	0.84%	0.378%
84	13.558	3795	3800	3809	rVB2	13188	16624	0.02%	0.011%
85	13.623	3810	3820	3836	rVB2	91227	152147	0.22%	0.099%
86	13.735	3845	3855	3863	rBV6	21306	37912	0.06%	0.025%
87	13.783	3865	3870	3877	rVV2	12618	18163	0.03%	0.012%
88	13.835	3877	3886	3902	rVV5	31533	71201	0.10%	0.047%
89	14.086	3950	3964	3989	rVV	283889	479791	0.70%	0.314%
90	14.192	3991	3997	4009	rVB8	5019	8673	0.01%	0.006%
91	14.253	4010	4016	4018	rBV5	1843	1836	0.00%	0.001%
92	14.288	4021	4027	4037	rVV5	9714	15797	0.02%	0.010%
93	14.343	4039	4044	4055	rVB6	4212	6692	0.01%	0.004%
94	14.484	4079	4088	4095	rBV4	5648	8613	0.01%	0.006%
95	14.687	4134	4151	4159	rBV6	11061	25814	0.04%	0.017%
96	14.809	4180	4189	4200	rBV2	5659	8981	0.01%	0.006%
97	14.877	4200	4210	4220	rVB7	4150	5918	0.01%	0.004%
98	15.021	4246	4255	4264	rVB6	5642	9166	0.01%	0.006%
99	15.227	4307	4319	4329	rBV2	25549	43640	0.06%	0.029%
100	15.410	4366	4376	4388	rBV2	22954	39880	0.06%	0.026%

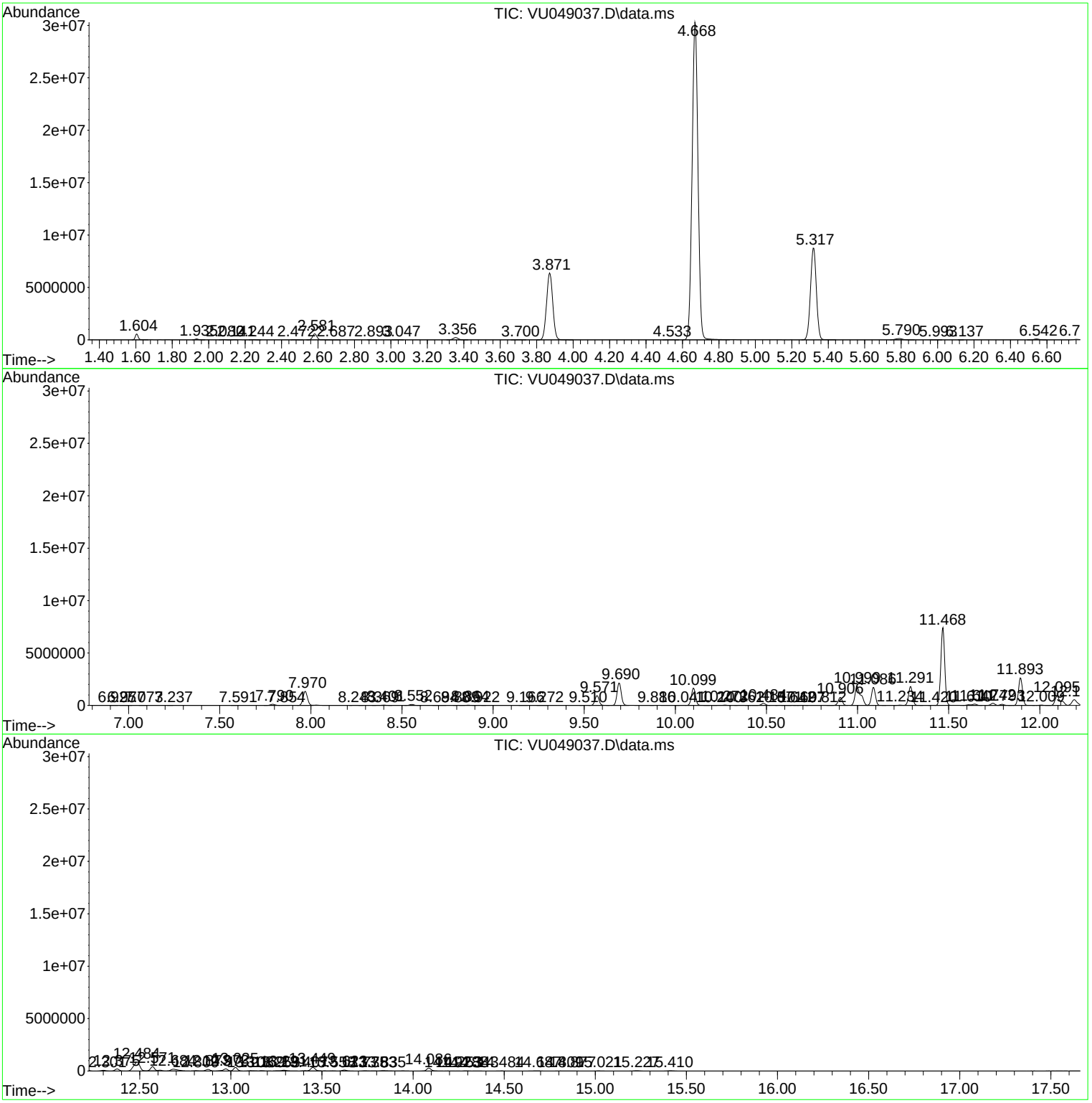
Sum of corrected areas: 152966462

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

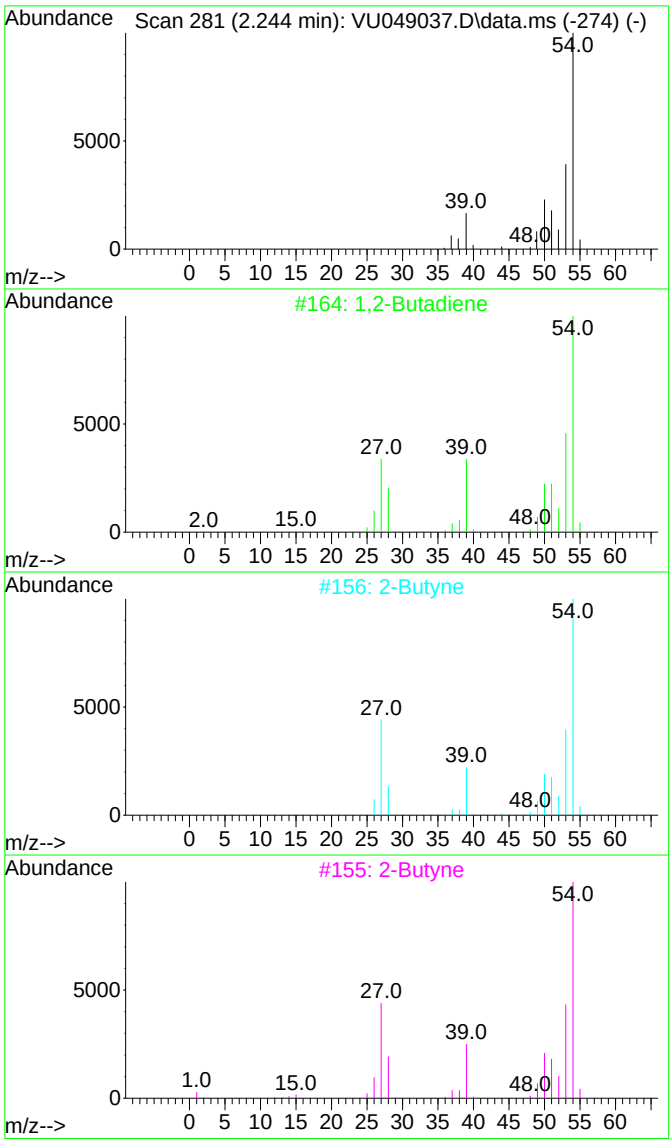
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

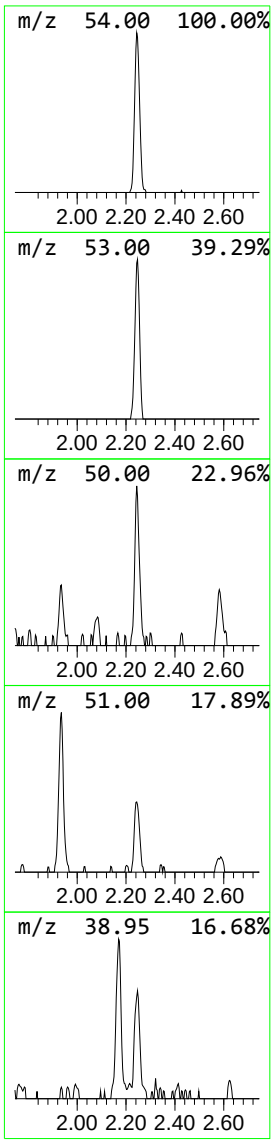
****

Peak Number 1 1,2-Butadiene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.244	346.32 ug/L	26604	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Butadiene	54	C4H6	000590-19-2	86
2	2-Butyne	54	C4H6	000503-17-3	86
3	2-Butyne	54	C4H6	000503-17-3	86
4	1,2-Butadiene	54	C4H6	000590-19-2	78
5	1-Butyne	54	C4H6	000107-00-6	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

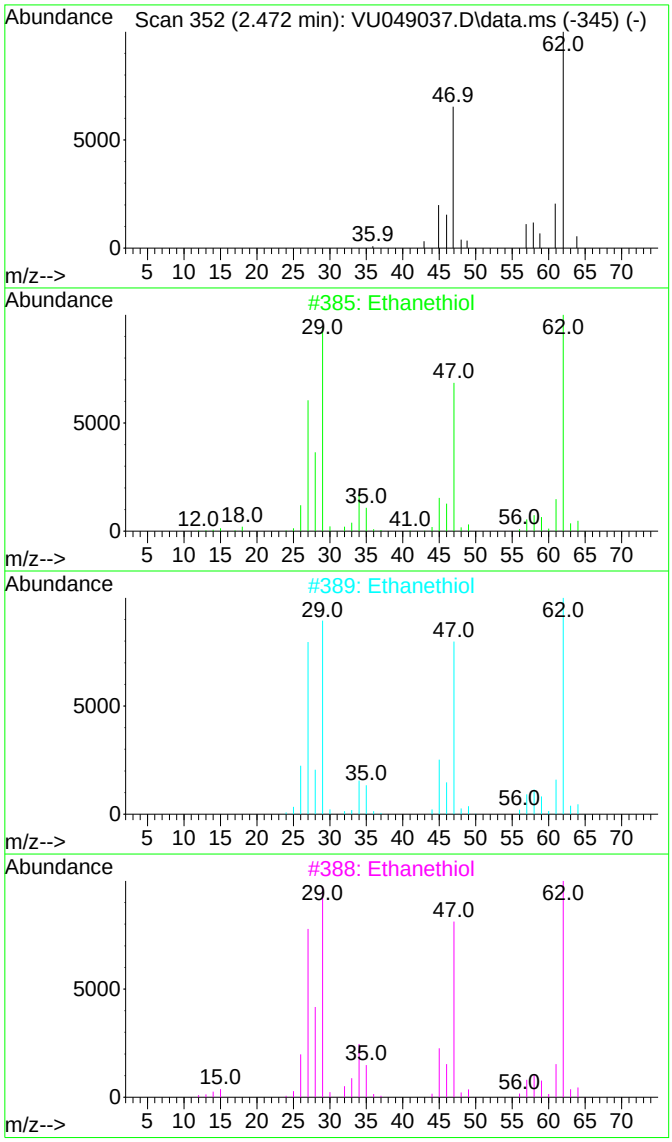
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

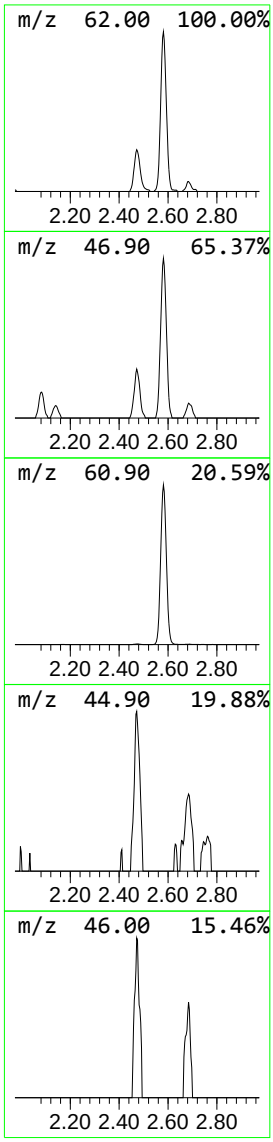
****

Peak Number 2 Ethanethiol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.472	243.44 ug/L	18701	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanethiol	62	C2H6S	000075-08-1	91
2	Ethanethiol	62	C2H6S	000075-08-1	91
3	Ethanethiol	62	C2H6S	000075-08-1	90
4	Ethanethiol	62	C2H6S	000075-08-1	90
5	Ethanethiol	62	C2H6S	000075-08-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

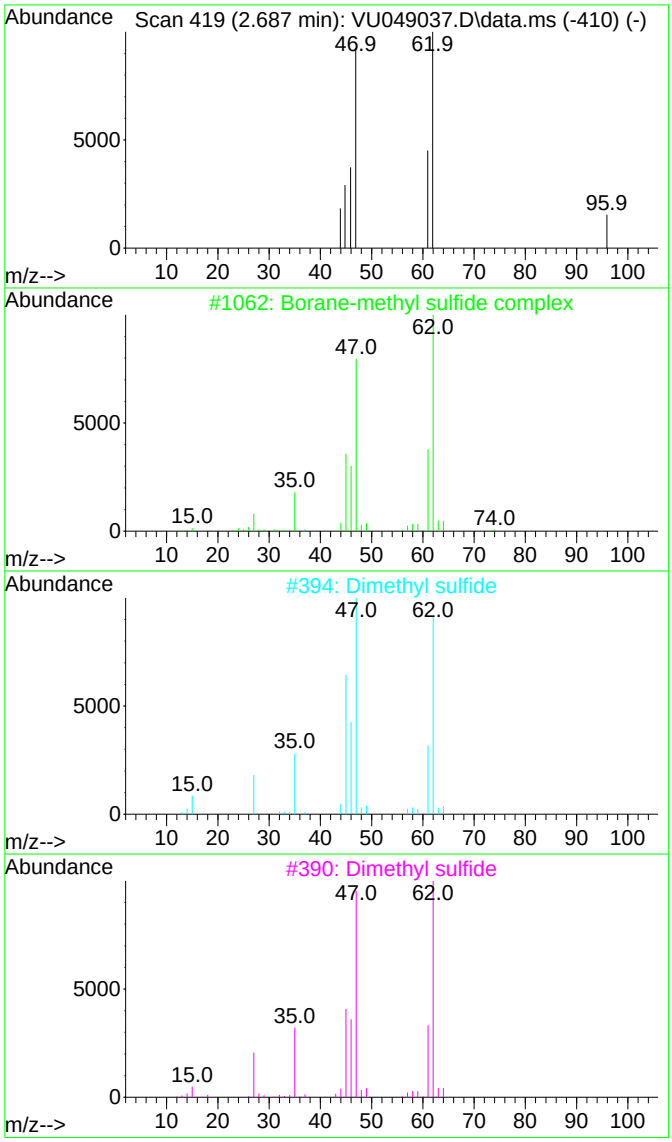
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

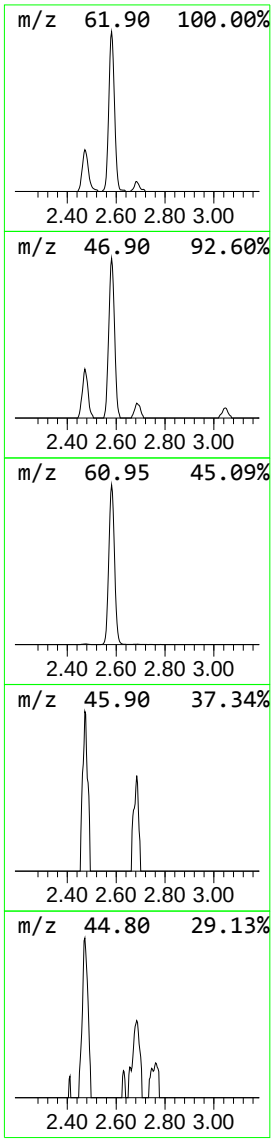
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Borane-methyl sulfide complex Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.687	87.31 ug/L	6707	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	83
2	Dimethyl sulfide	62	C2H6S	000075-18-3	83
3	Dimethyl sulfide	62	C2H6S	000075-18-3	83
4	Dimethyl sulfide	62	C2H6S	000075-18-3	83
5	Dimethyl sulfide	62	C2H6S	000075-18-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

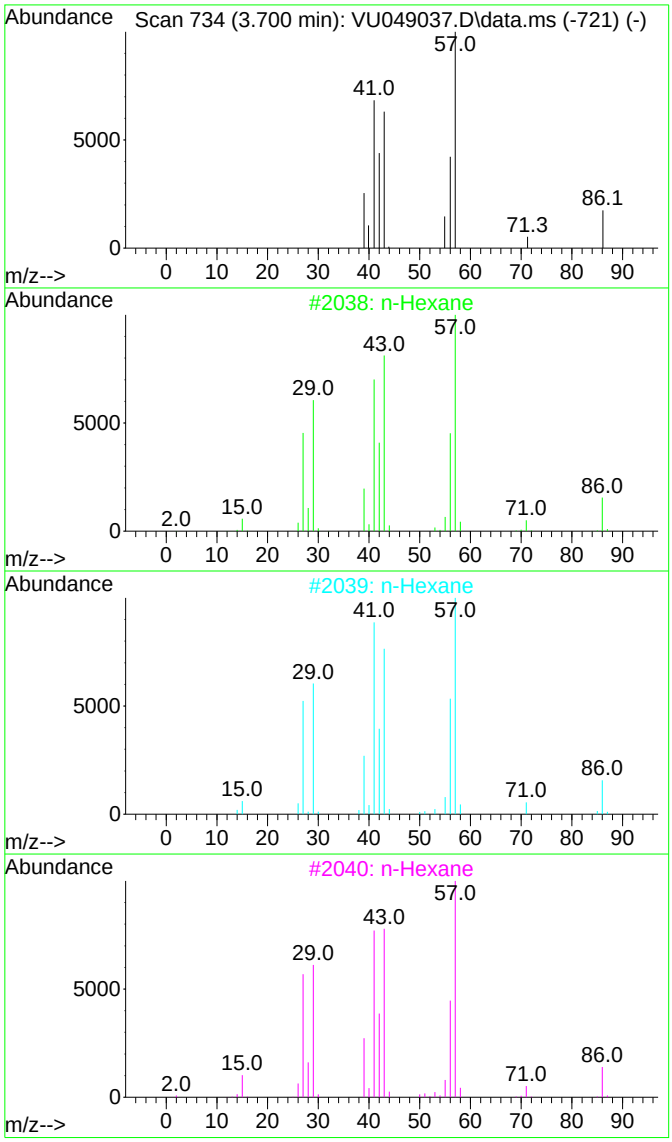
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

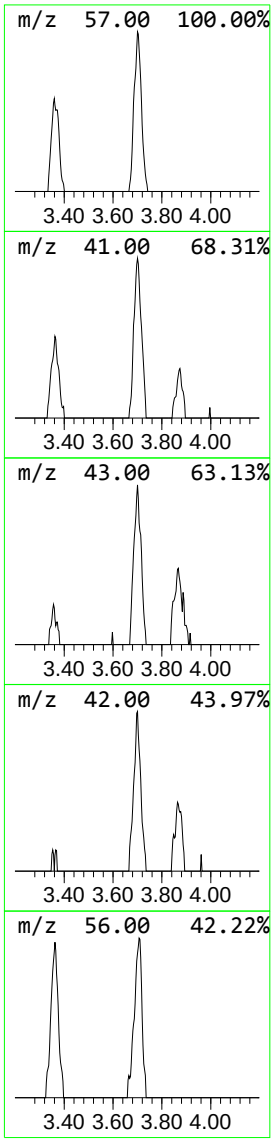
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.700	258.33 ug/L	19845	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	n-Hexane	86	C6H14	000110-54-3	90
3	n-Hexane	86	C6H14	000110-54-3	50
4	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	38
5	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

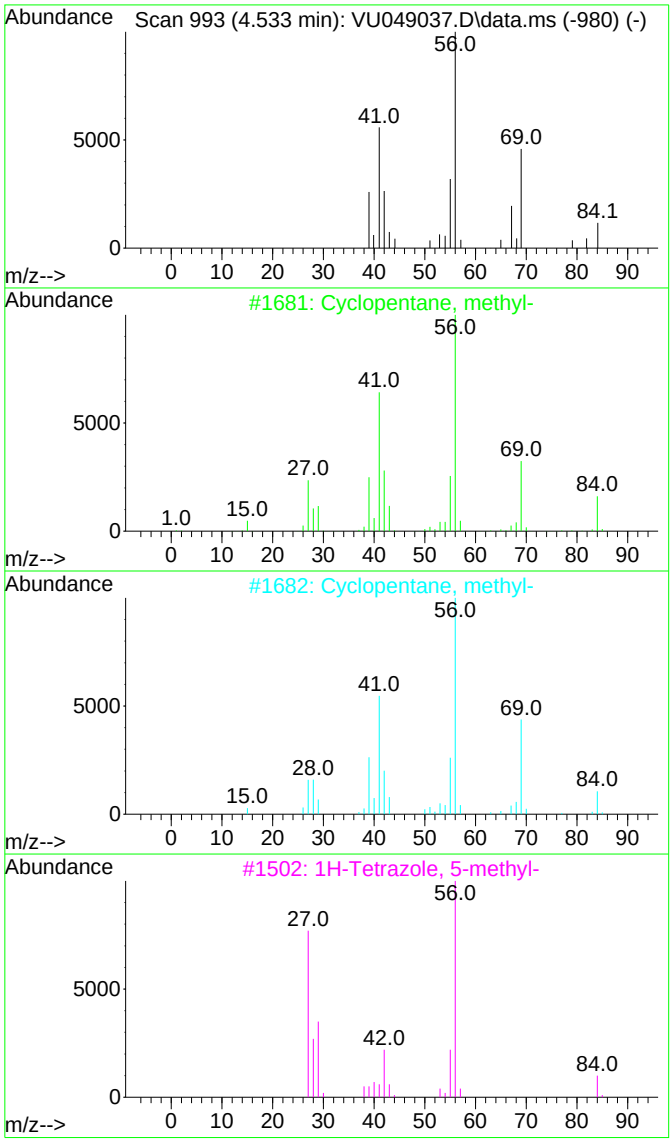
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

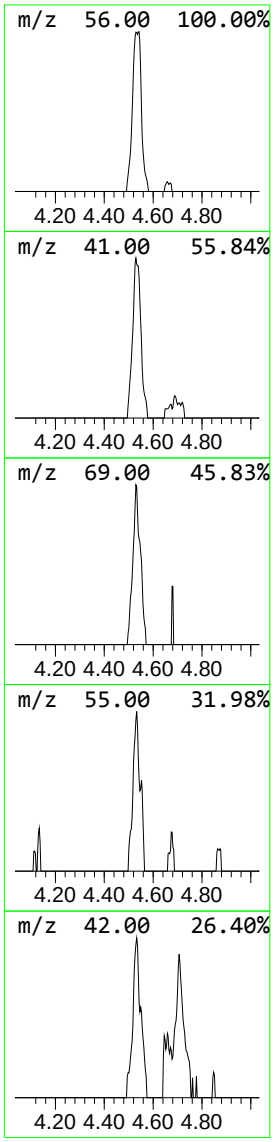
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic4.533 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.533	351.93 ug/L	27035	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	53
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	53
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

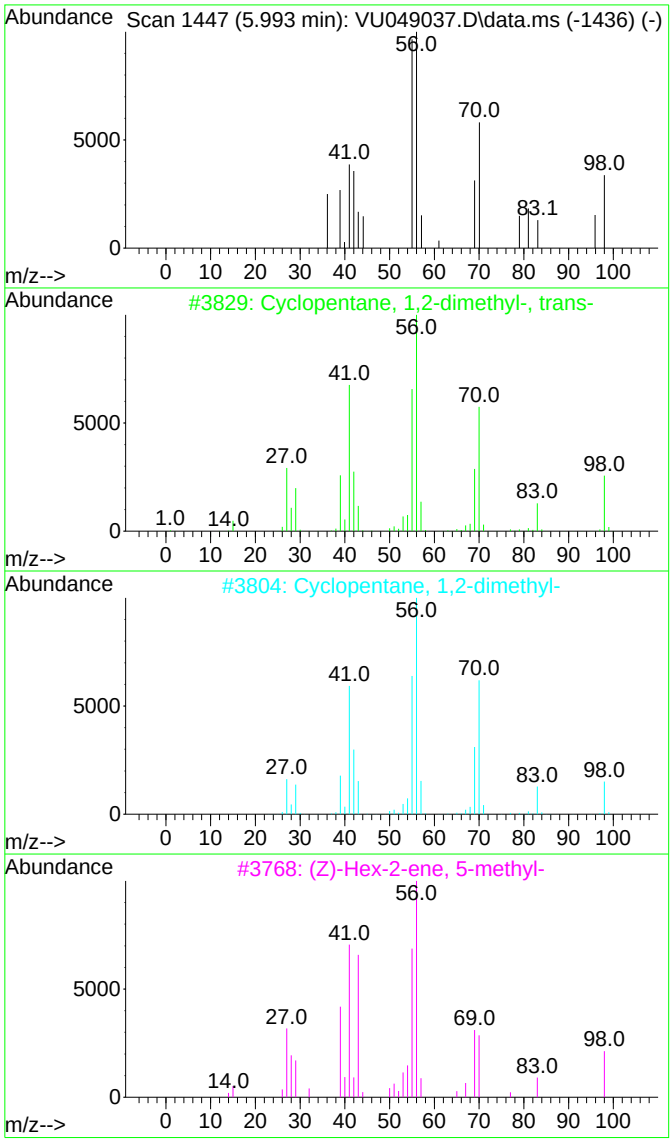
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

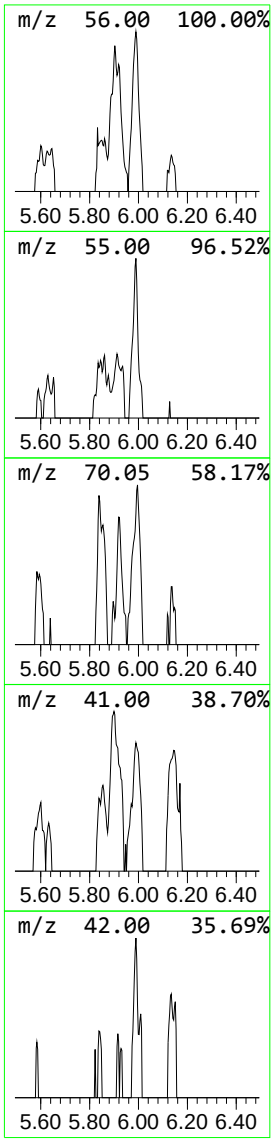
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic5.993 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.993	125.01 ug/L	9603	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	74
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	53
3	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	50
4	Isopropylcyclobutane	98	C7H14	000872-56-0	50
5	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	47





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

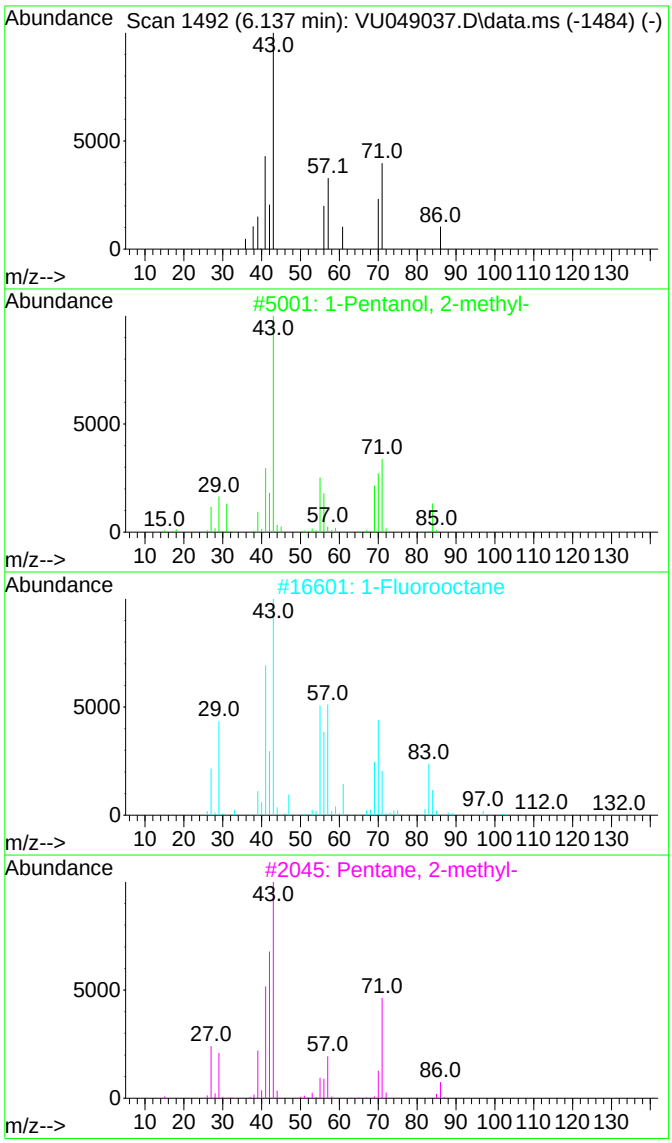
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

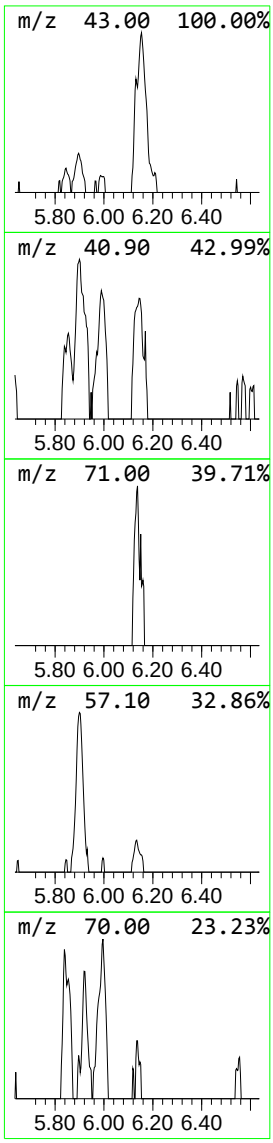
****

Peak Number 8 unknown-01 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.137	50.00 ug/L	3841	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	39
2	1-Fluorooctane	132	C8H17F	000463-11-6	28
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	9
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	9
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	9





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

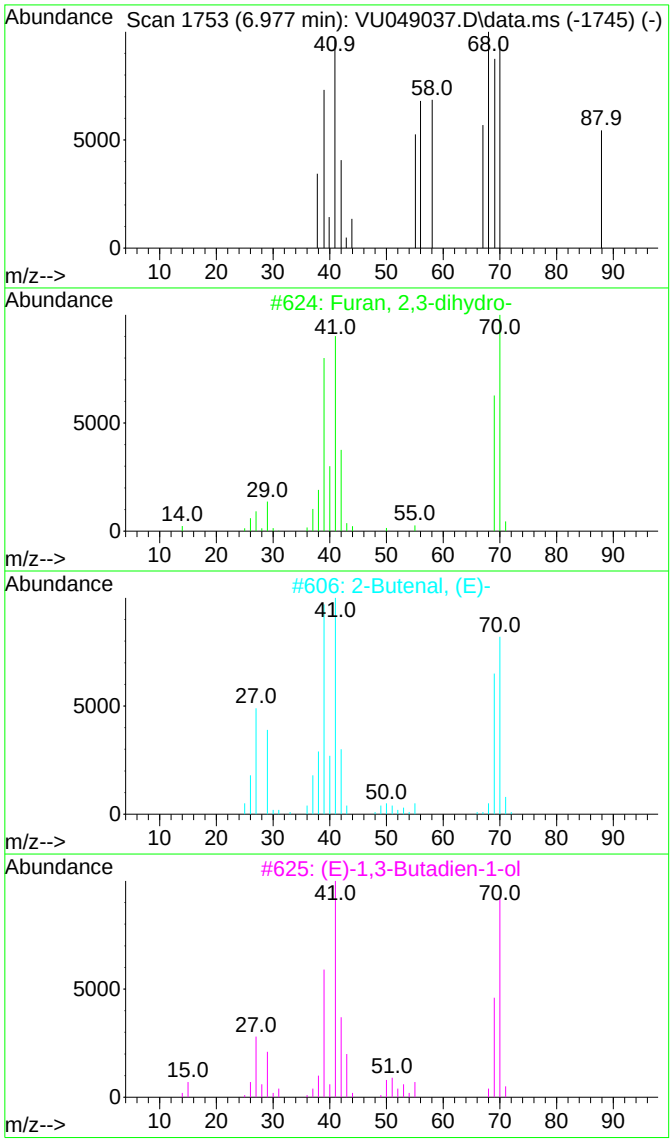
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

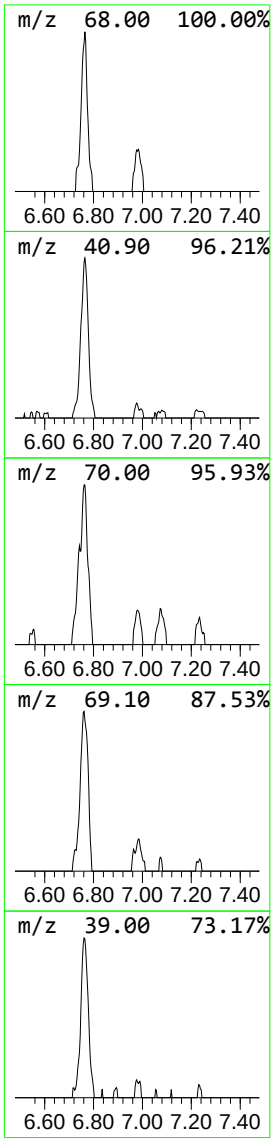
****

Peak Number 10 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.977	119.37 ug/L	9170	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,3-dihydro-	70	C4H6O	001191-99-7	43
2	2-Butenal, (E)-	70	C4H6O	000123-73-9	42
3	(E)-1,3-Butadien-1-ol	70	C4H6O	070411-98-2	37
4	Furan, 2,3-dihydro-	70	C4H6O	001191-99-7	25
5	Methylacrylonitrile	67	C4H5N	000126-98-7	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

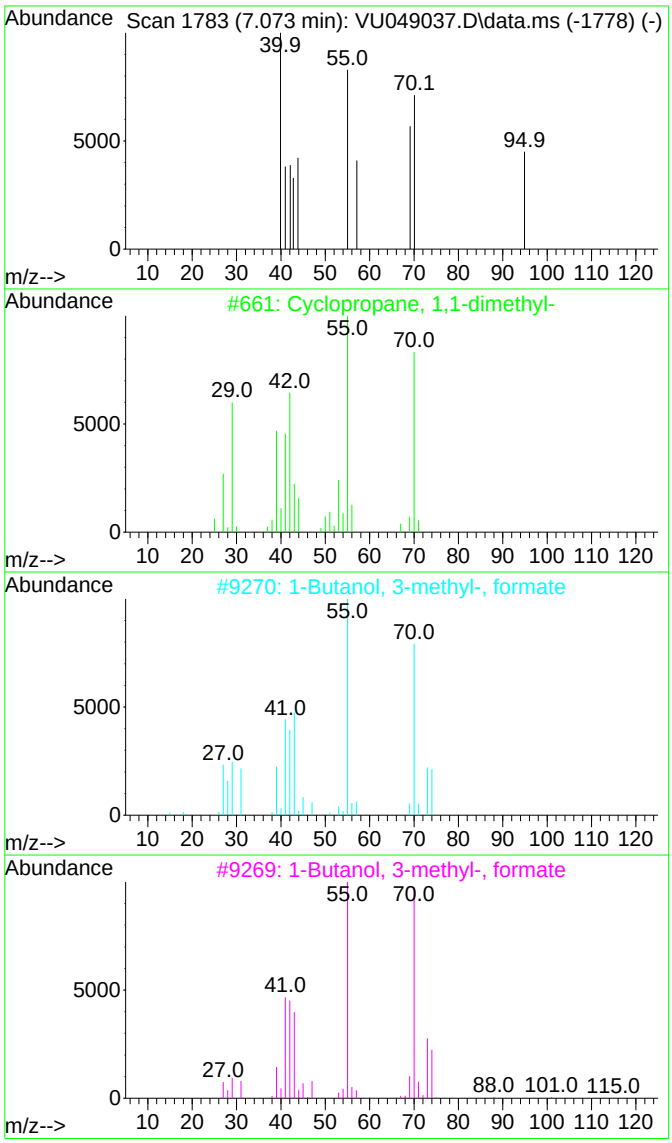
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

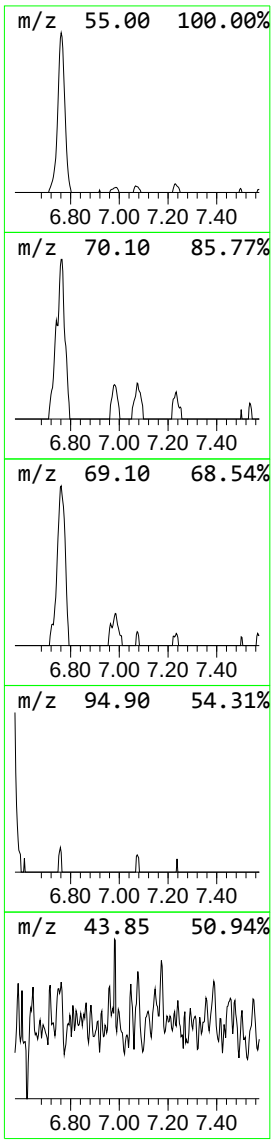
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic7.073 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.073	30.79 ug/L	2365	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	38
2	1-Butanol, 3-methyl-, formate	116	C6H12O2	000110-45-2	9
3	1-Butanol, 3-methyl-, formate	116	C6H12O2	000110-45-2	9
4	Furan, 2,3-dihydro-	70	C4H6O	001191-99-7	7
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

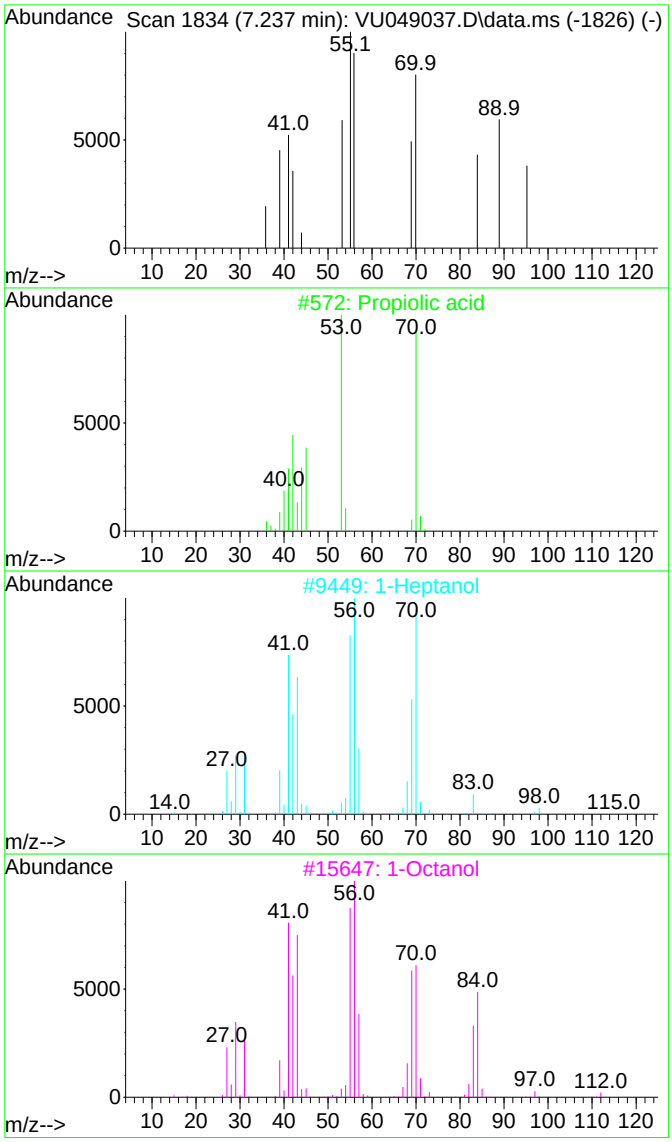
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

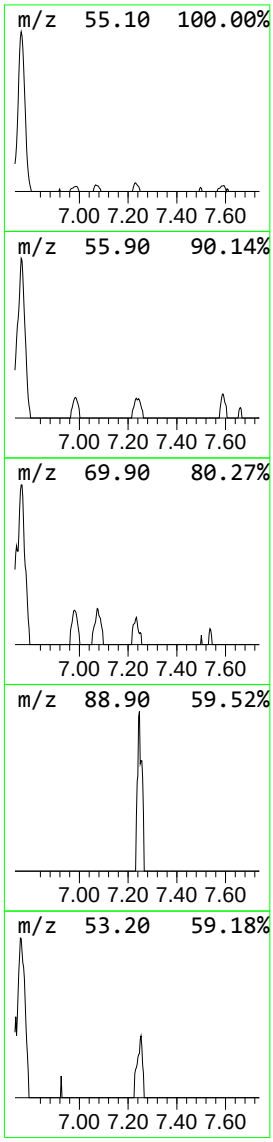
****

Peak Number 12 unknown-03 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.237	32.49 ug/L	2496	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propiolic acid	70	C3H2O2	000471-25-0	25
2	1-Heptanol	116	C7H16O	000111-70-6	16
3	1-Octanol	130	C8H18O	000111-87-5	16
4	3-Chlorohexane	120	C6H13Cl	002346-81-8	12
5	Isopropylcyclobutane	98	C7H14	000872-56-0	12





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

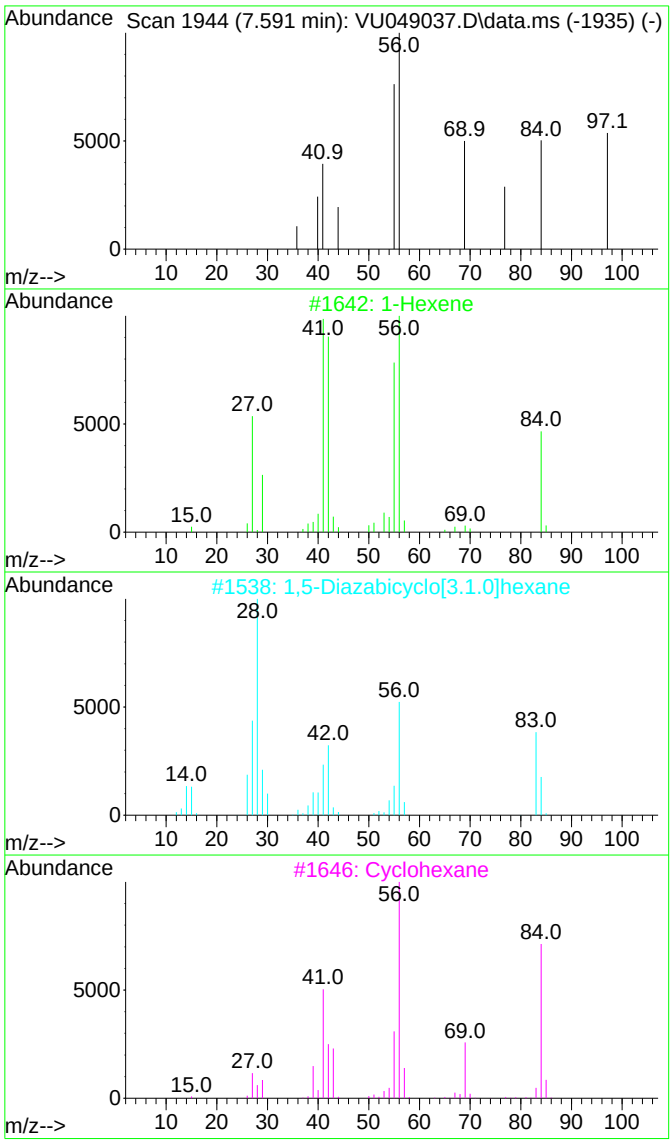
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

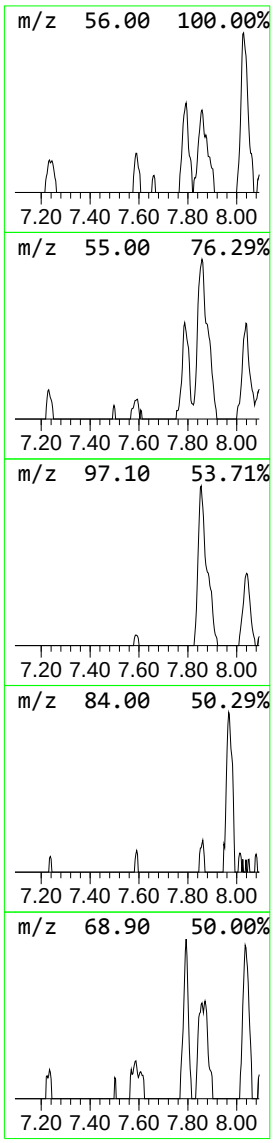
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.591	25.80 ug/L	1982	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	9
2	1,5-Diazabicyclo[3.1.0]hexane	84	C4H8N2	013090-31-8	9
3	Cyclohexane	84	C6H12	000110-82-7	9
4	1-Octanol	130	C8H18O	000111-87-5	9
5	1-Octanol	130	C8H18O	000111-87-5	9





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

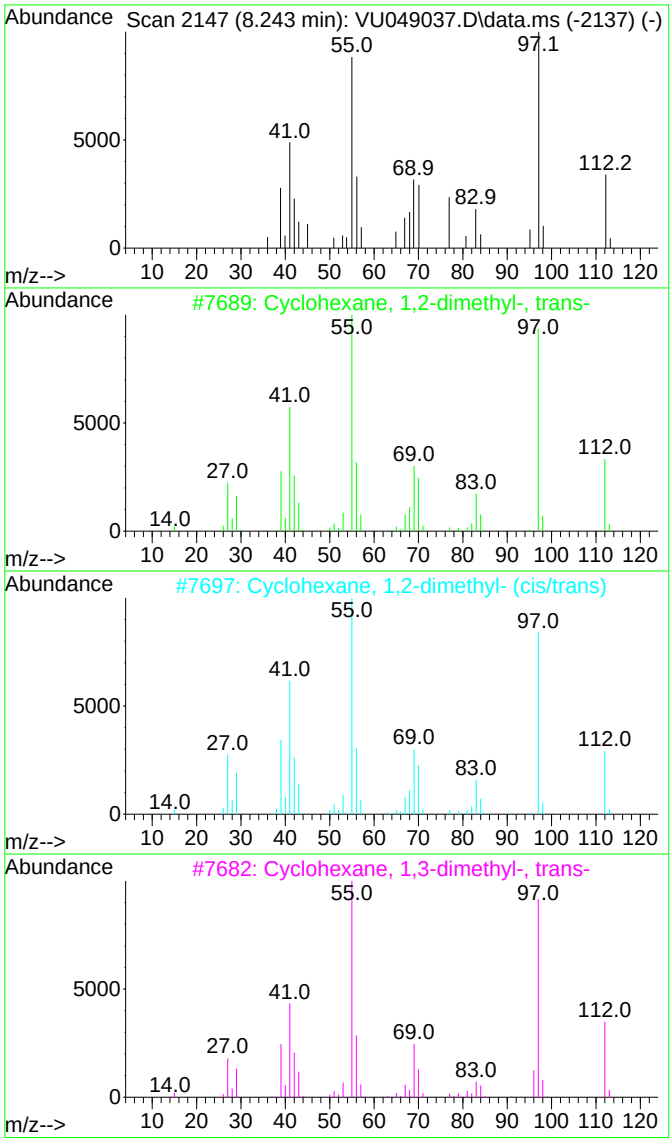
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

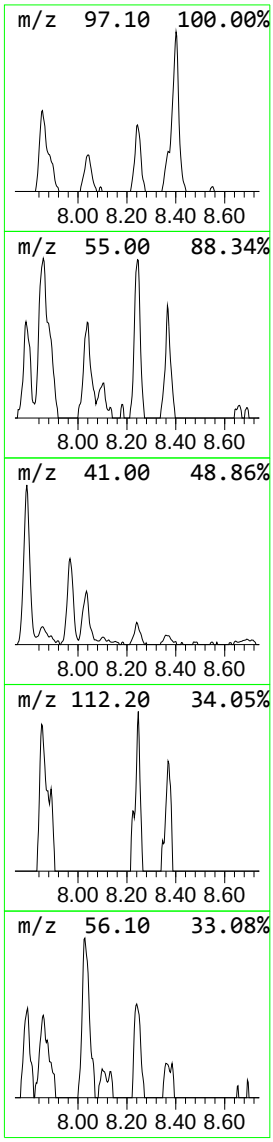
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic8.243 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.243	70.16 ug/L	26621	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

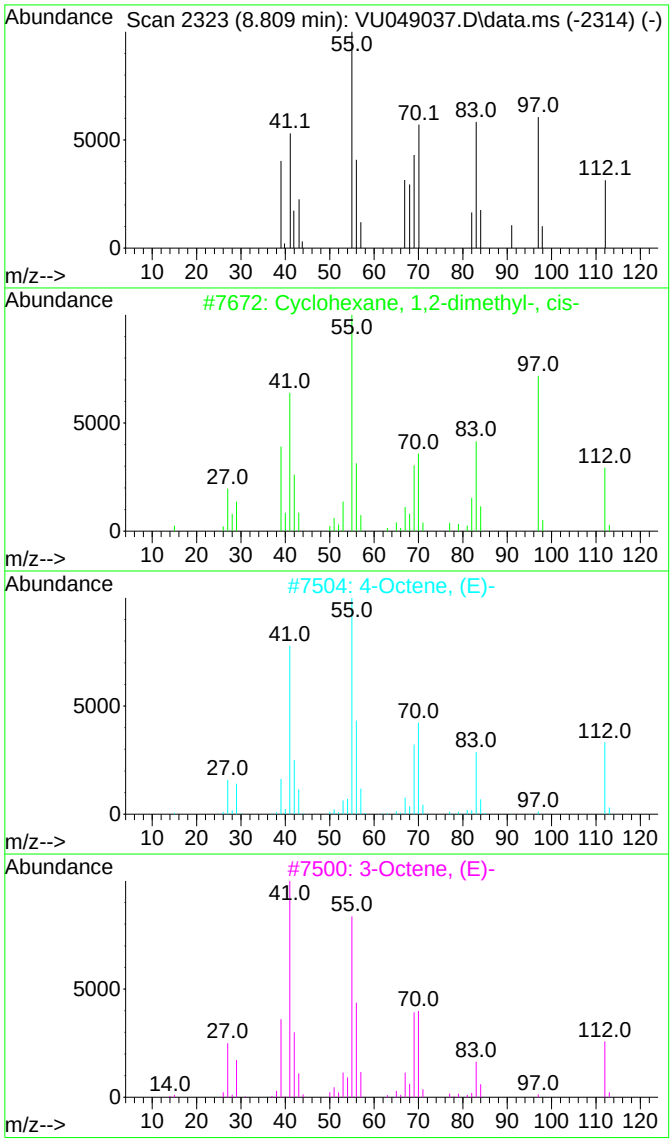
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

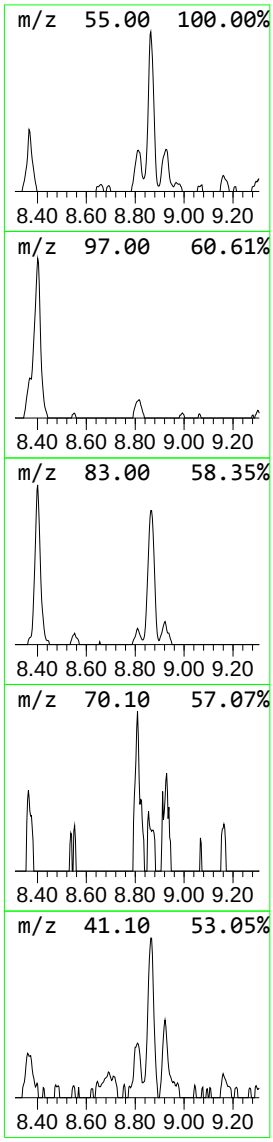
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic8.809 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.809	28.89 ug/L	10962	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	52
2	4-Octene, (E)-	112	C8H16	014850-23-8	49
3	3-Octene, (E)-	112	C8H16	014919-01-8	47
4	3-Octene, (Z)-	112	C8H16	014850-22-7	47
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

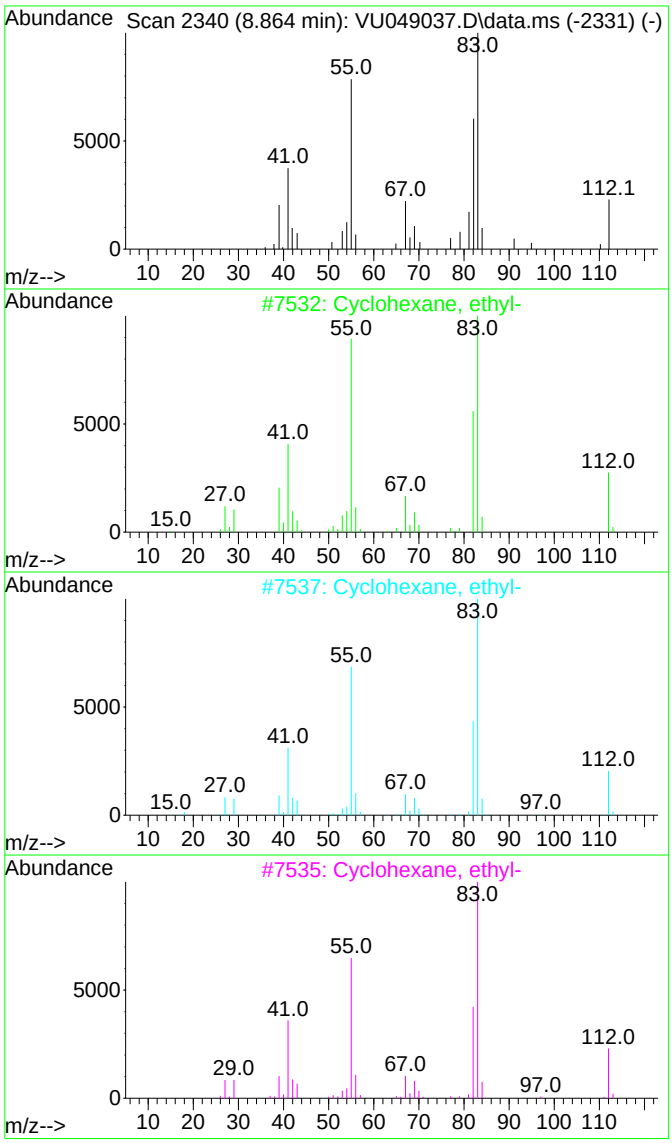
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

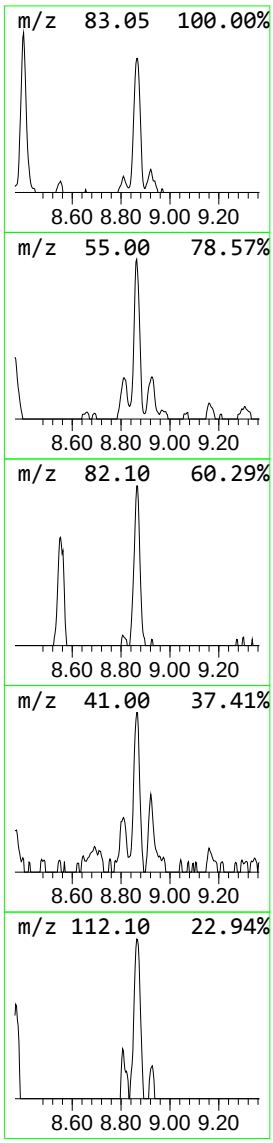
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic8.864 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.864	98.85 ug/L	37508	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

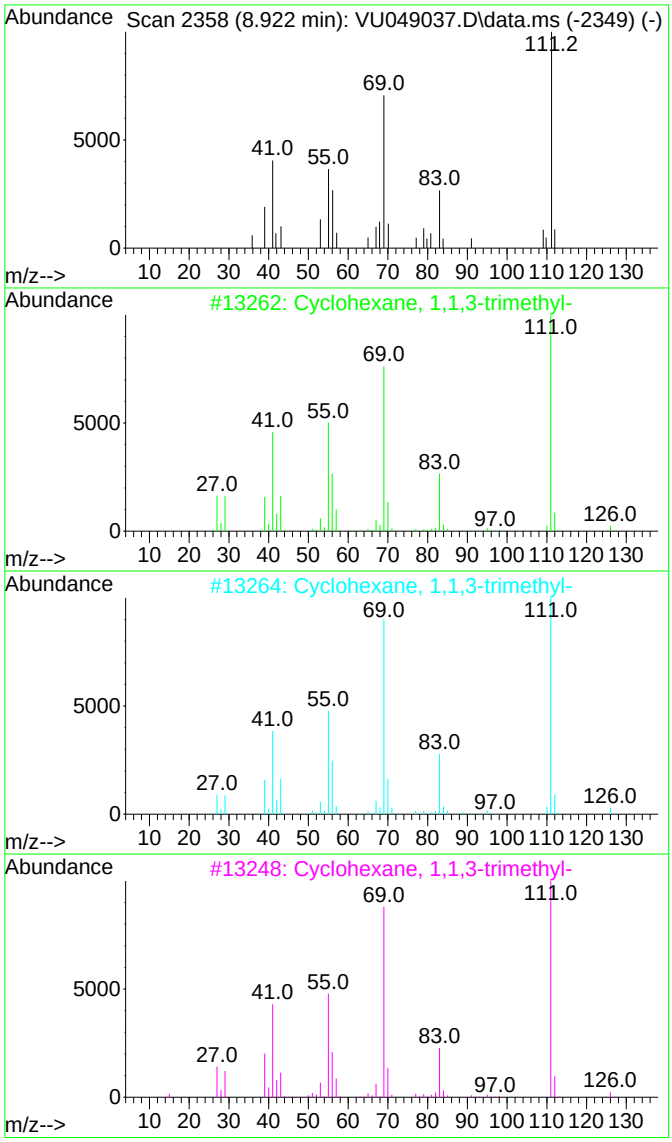
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

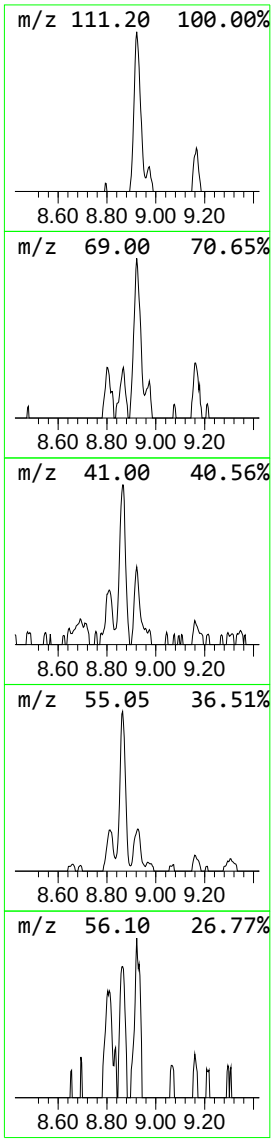
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic8.922 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.922	45.96 ug/L	17439	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
4	2(1H)-Pyridinone, 5-hydroxy-	111	C5H5NO2	005154-01-8	52
5	2(1H)-Pyridinone, 3-hydroxy-	111	C5H5NO2	016867-04-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

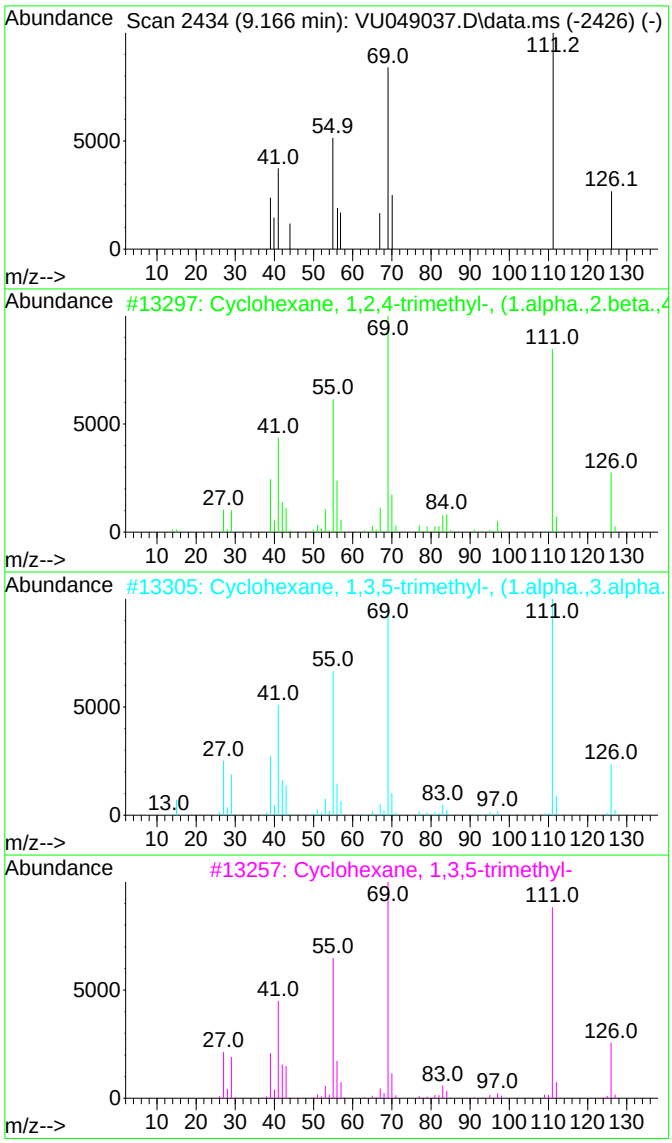
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

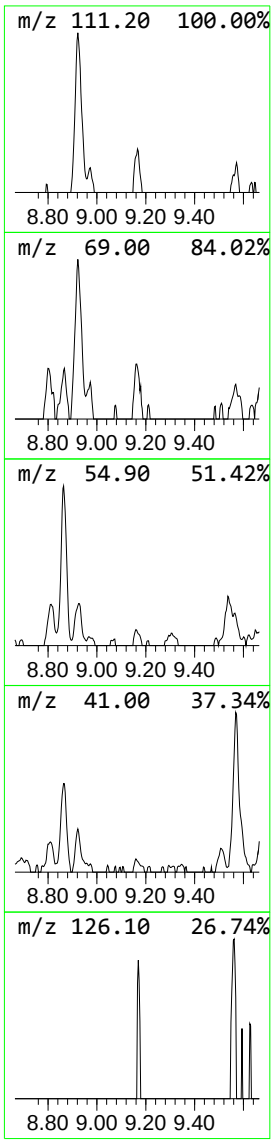
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic9.166 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.166	9.77 ug/L	3707	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	86
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	80
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	80
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	78
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

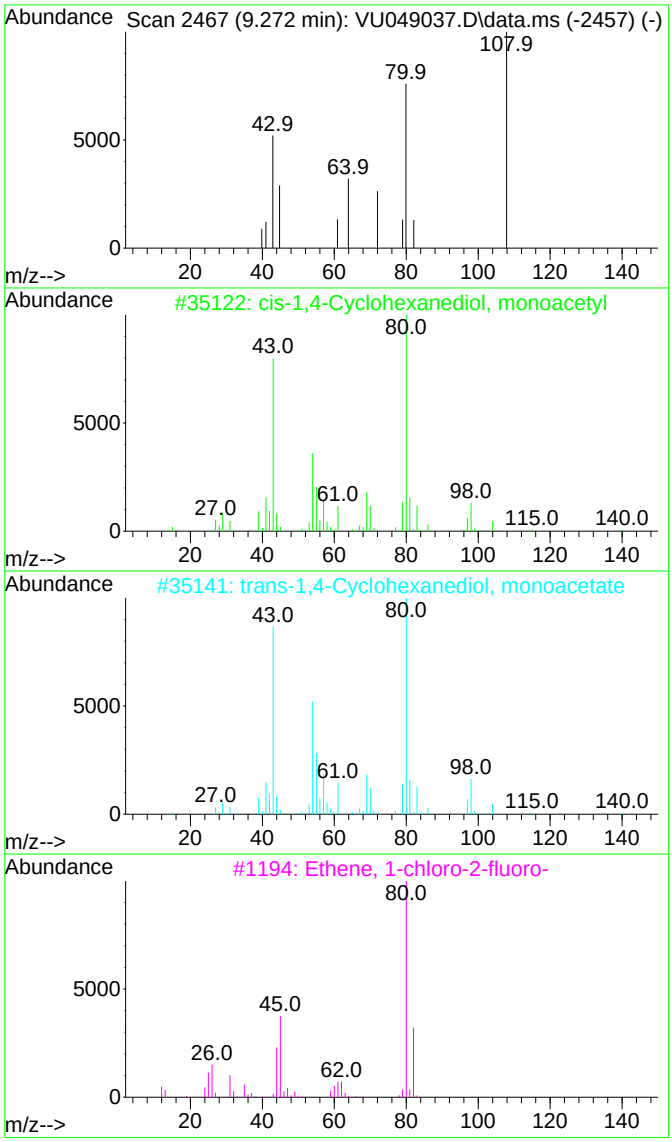
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

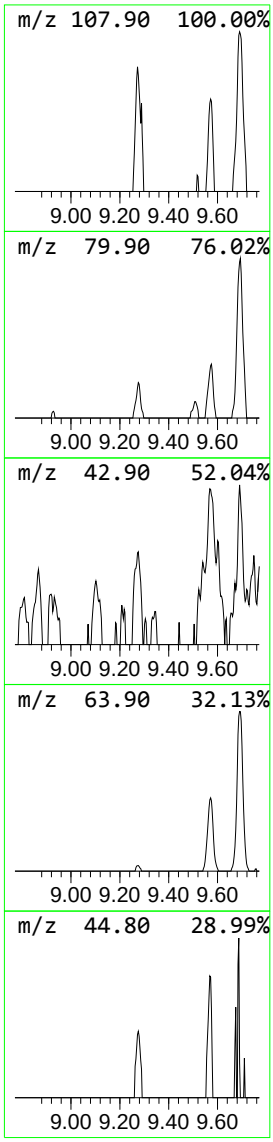
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 unknown-04 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.272	13.85 ug/L	5254	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1,4-Cyclohexanediol, monoacetyl	158	C8H14O3	1000385-97-0	9
2	trans-1,4-Cyclohexanediol, monoa...	158	C8H14O3	1000384-16-1	9
3	Ethene, 1-chloro-2-fluoro-	80	C2H2ClF	000460-16-2	5
4	Ethene, 1-chloro-2-fluoro-	80	C2H2ClF	000460-16-2	5
5	Cyclopropane, 1,1'-ethenylidenebis-	108	C8H12	000822-93-5	4





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

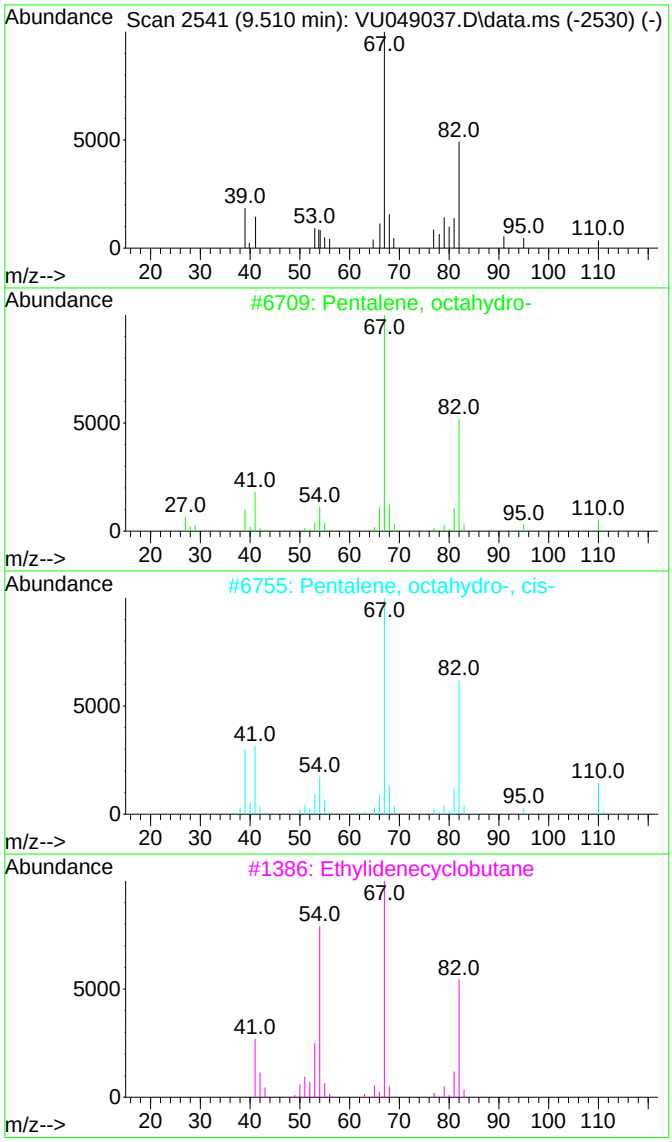
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

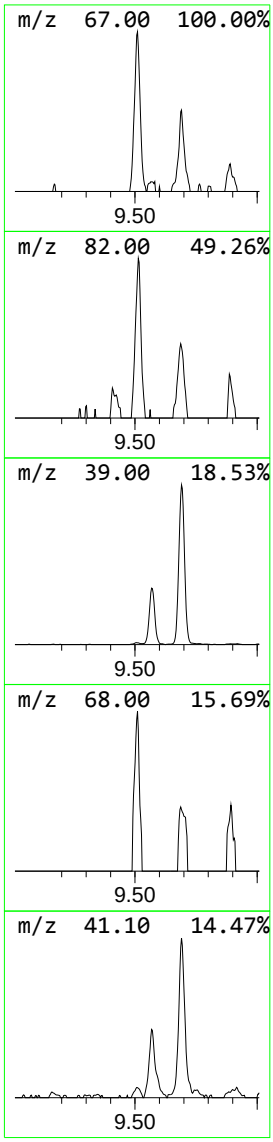
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Pentalene, octahydro- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.510	50.00 ug/L	18973	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	80
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	78
3	Ethylidenecyclobutane	82	C6H10	001528-21-8	72
4	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	72
5	(Z),(Z)-2,4-Hexadiene	82	C6H10	006108-61-8	64





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

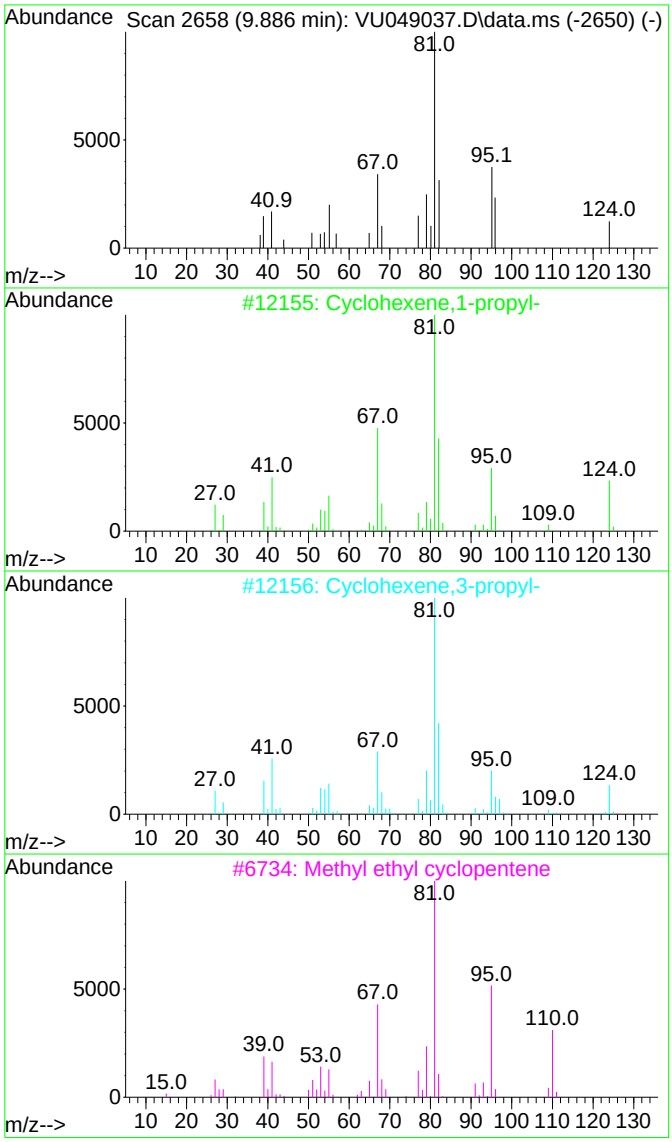
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

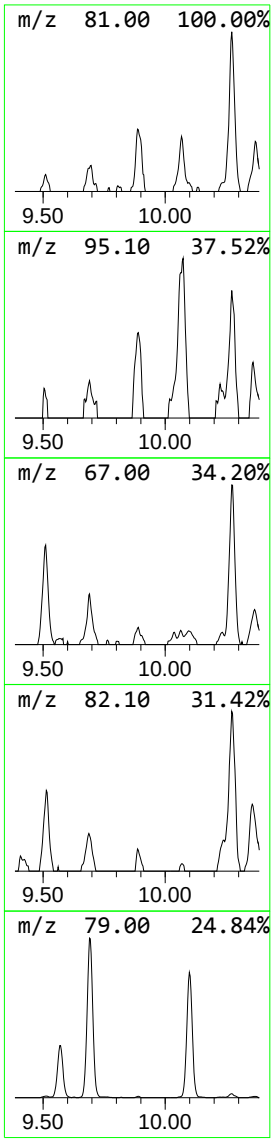
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Cyclohexene,1-propyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.886	26.04 ug/L	9882	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	64
2	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	59
3	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	59
4	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	53
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

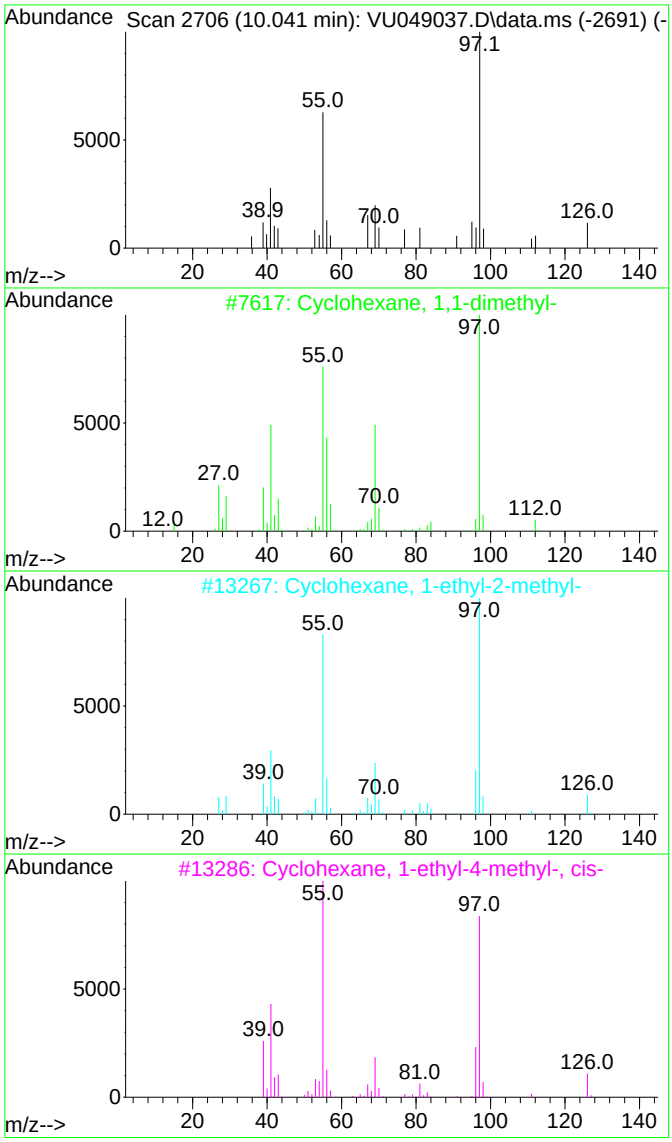
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

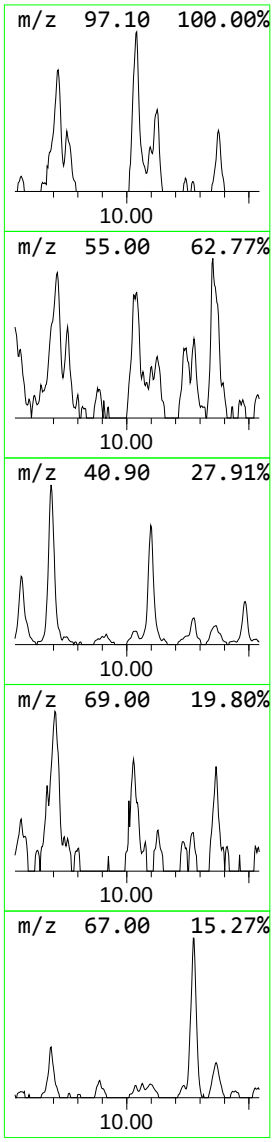
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic10.041 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.041	53.55 ug/L	20319	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
4	Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

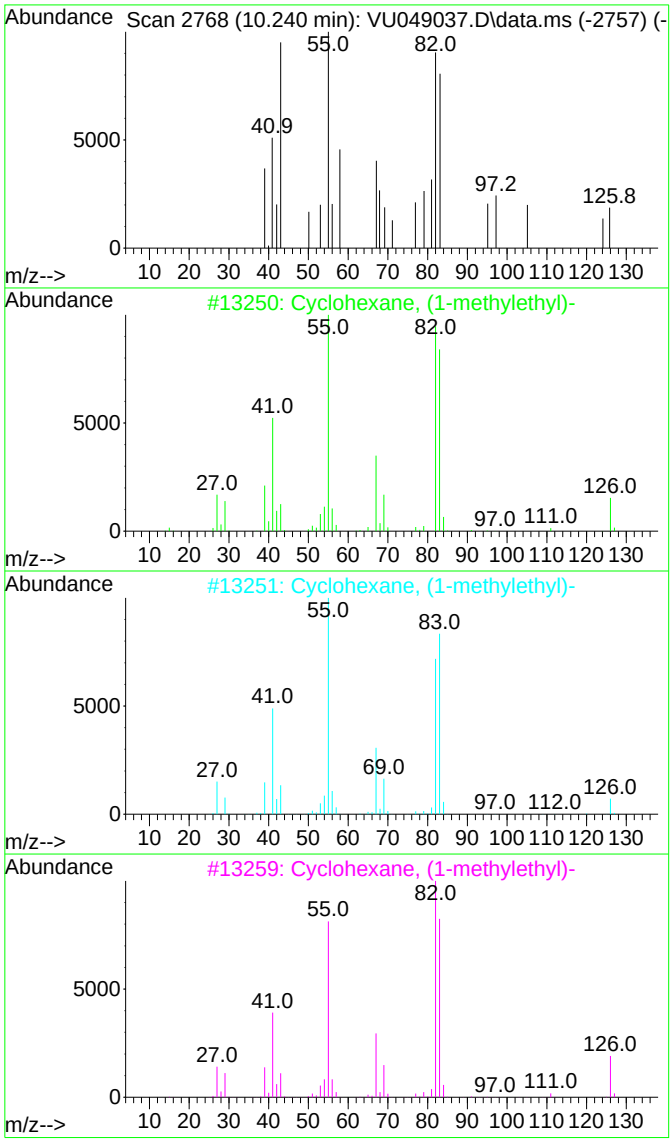
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

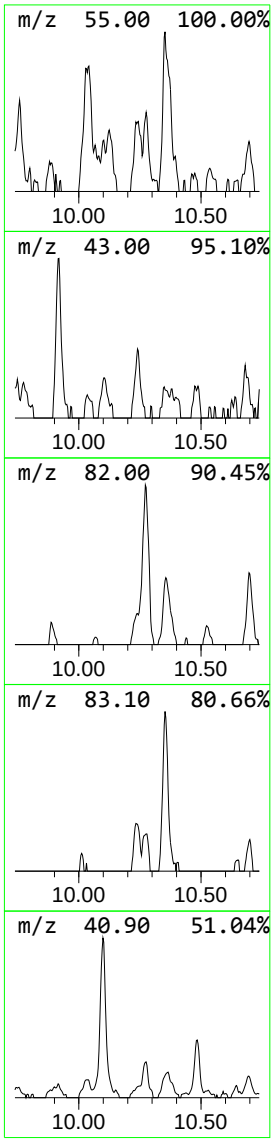
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic10.240 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.240	27.35 ug/L	10379	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
4	Cycloheptanol, 2-methylene	126	C8H14O	016240-38-3	43
5	1-Cyclohexyl-2-propen-1-ol	140	C9H16O	004352-44-7	37





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

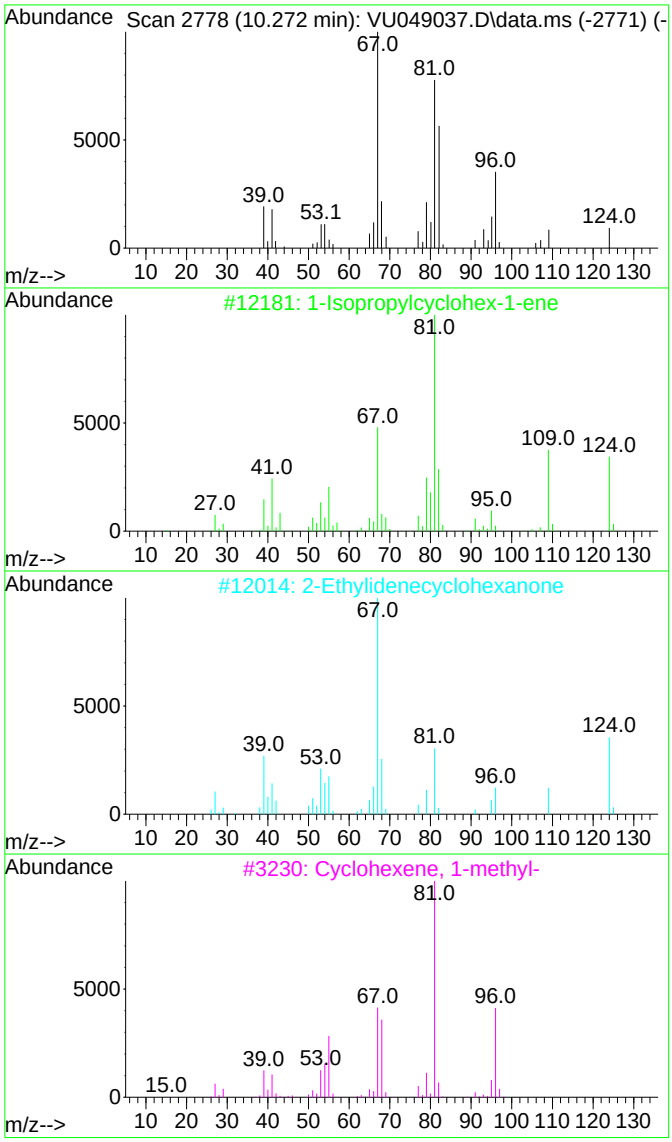
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

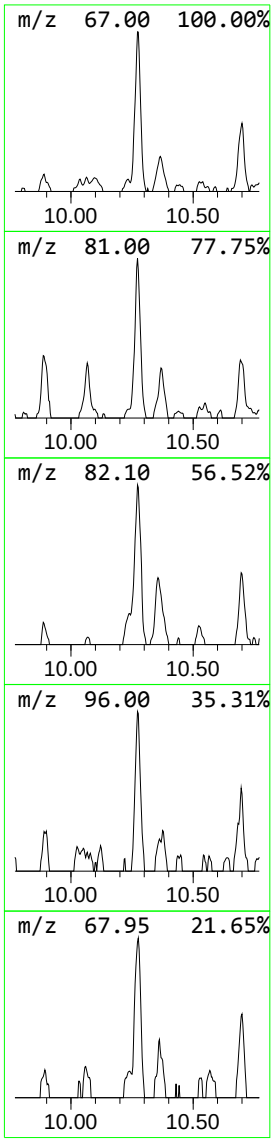
****

Peak Number 24 unknown-05 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.272	131.51 ug/L	49903	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropylcyclohex-1-ene	124	C9H16	004292-04-0	47
2	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	45
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
4	2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	38
5	1-Ethylcyclopentene	96	C7H12	002146-38-5	38





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

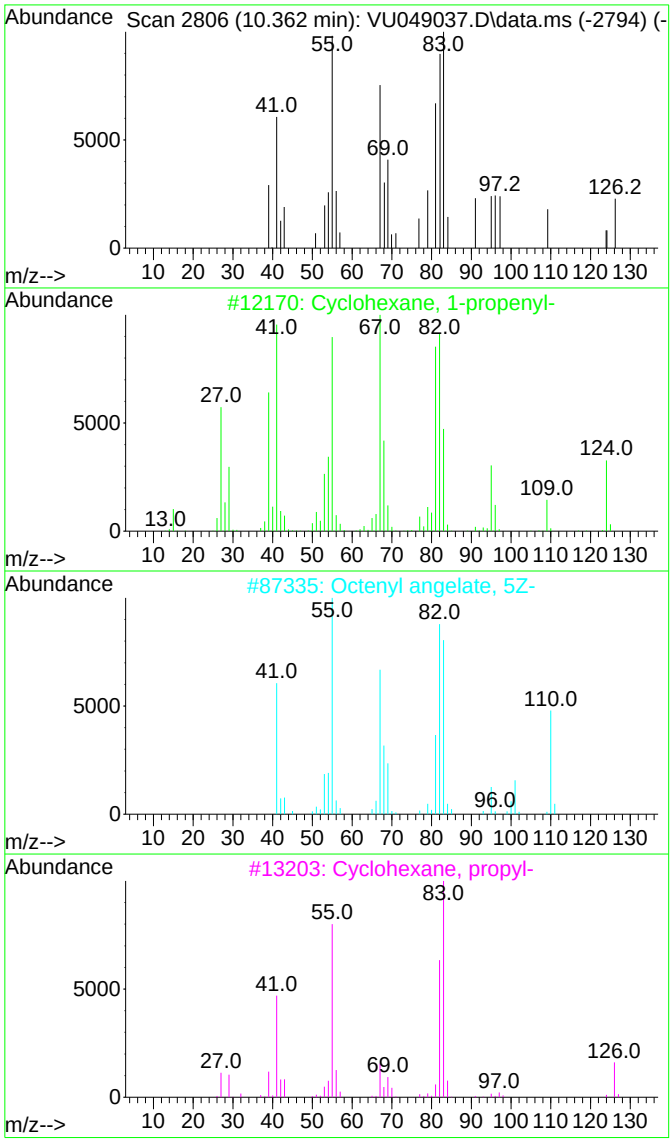
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

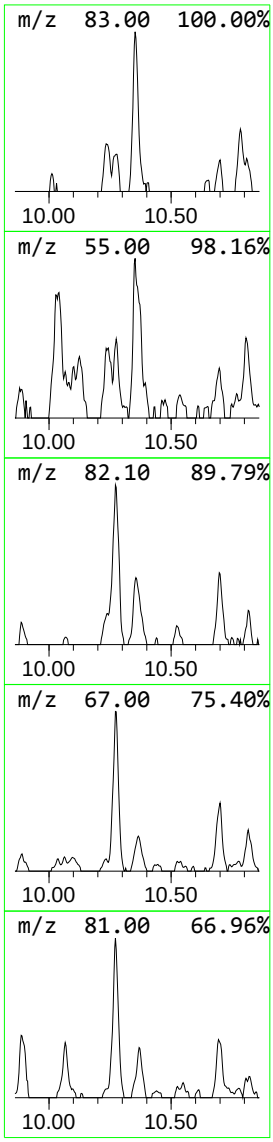
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Cyclohexane, 1-propenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.362	90.01 ug/L	34157	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	64
2	Octenyl angelate, 5Z-	210	C13H22O2	1000383-60-2	53
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	49
4	Cyclohexanemethanol	114	C7H14O	000100-49-2	47
5	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	46





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

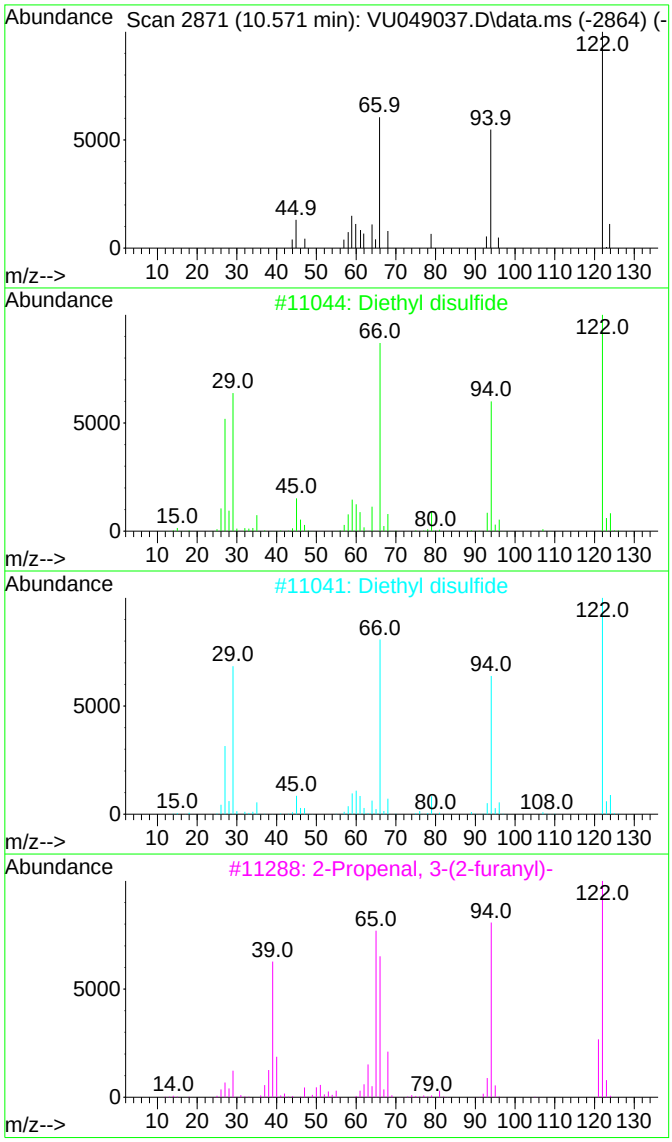
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

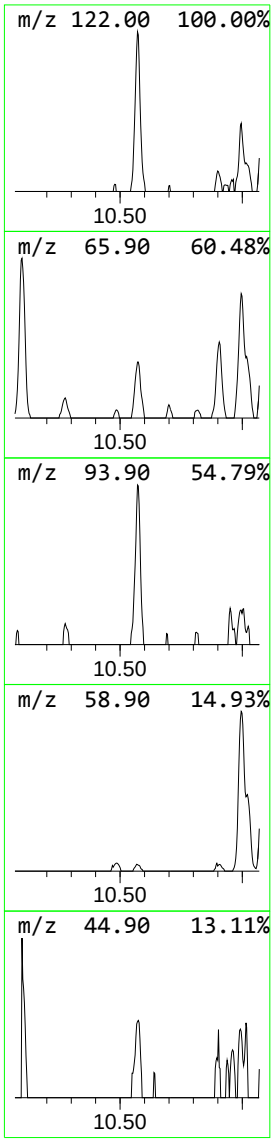
****

Peak Number 26 Diethyl disulfide Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.571	39.98 ug/L	15171	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	91
2	Diethyl disulfide	122	C4H10S2	000110-81-6	91
3	2-Propenal, 3-(2-furanyl)-	122	C7H6O2	000623-30-3	72
4	p-Benzoquinone, 2-methyl-	122	C7H6O2	000553-97-9	56
5	Diethyl disulfide	122	C4H10S2	000110-81-6	43





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

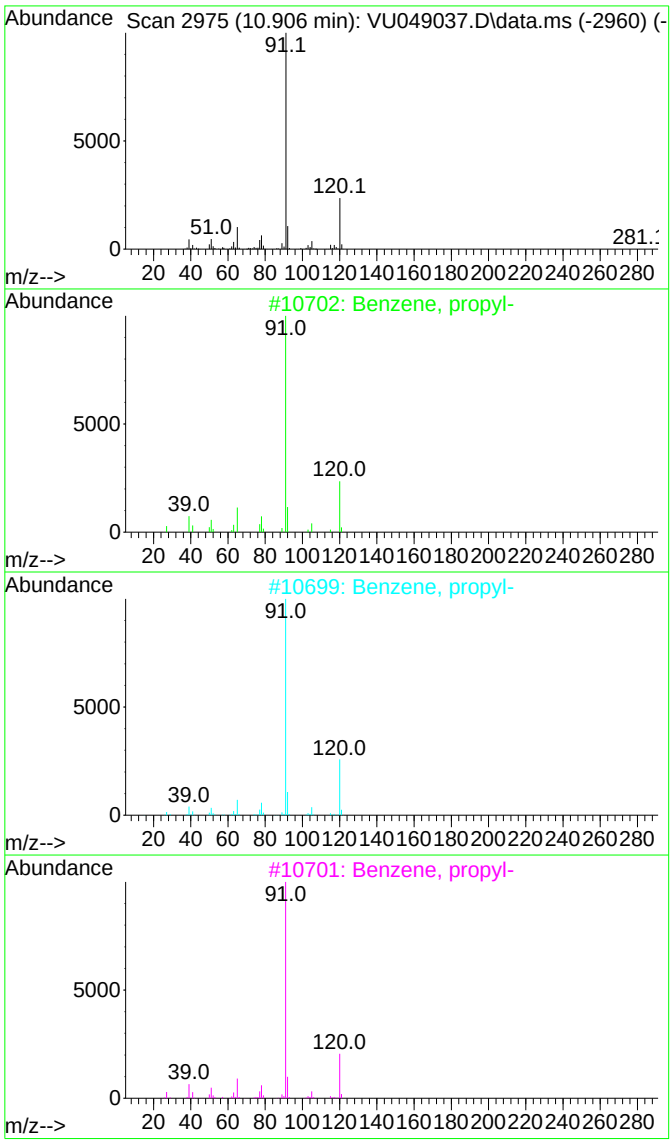
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

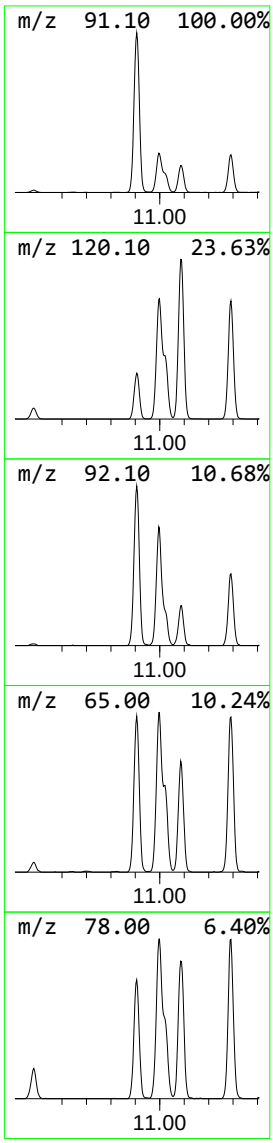
****

Peak Number 29 Benzene, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.906	365.01 ug/L	1220430	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Benzene, propyl-	120	C9H12	000103-65-1	90
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

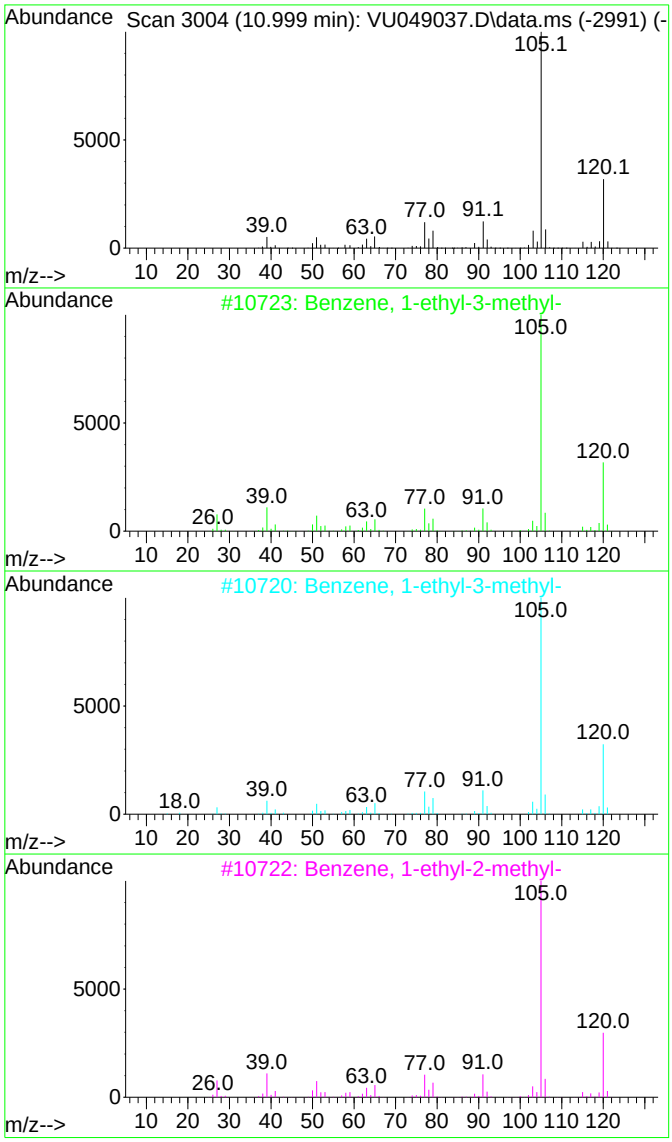
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

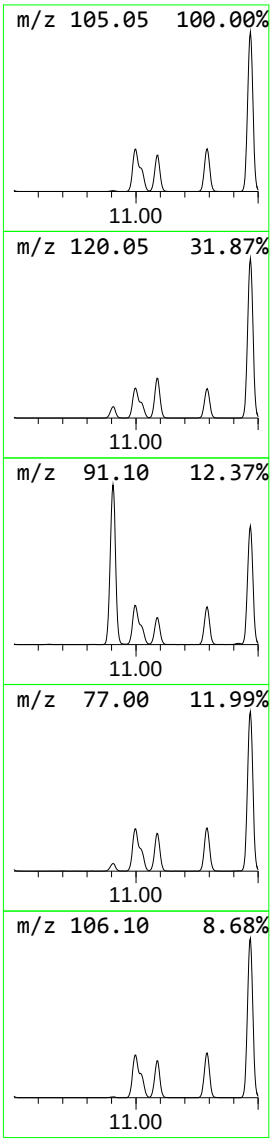
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.999	1218.82 ug/L	4075220	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

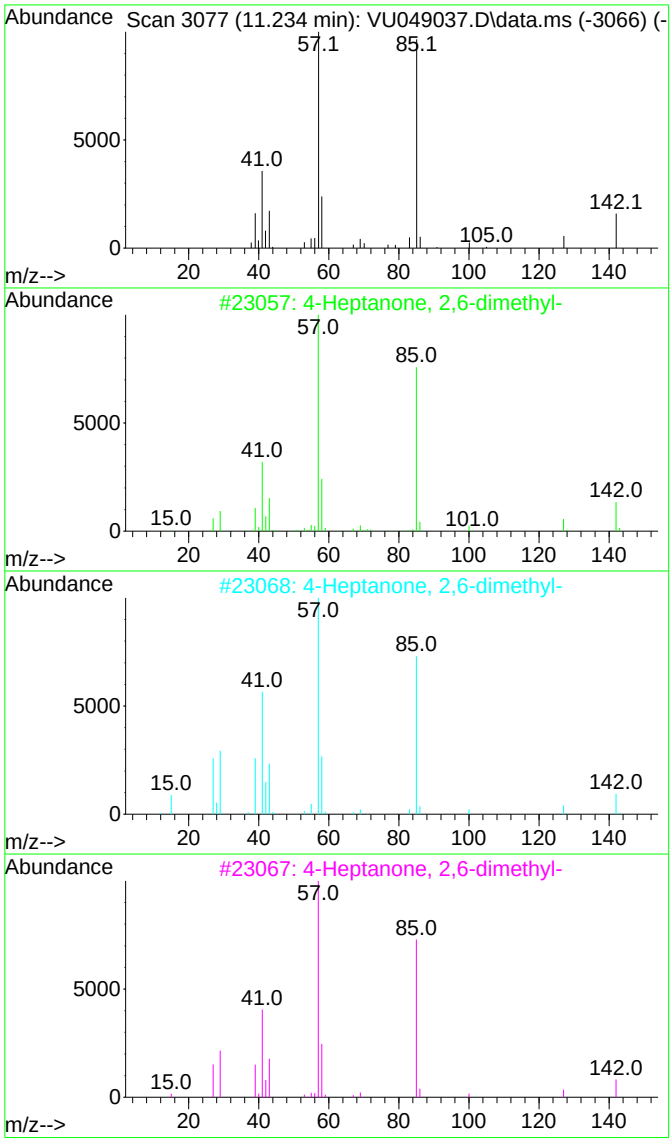
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

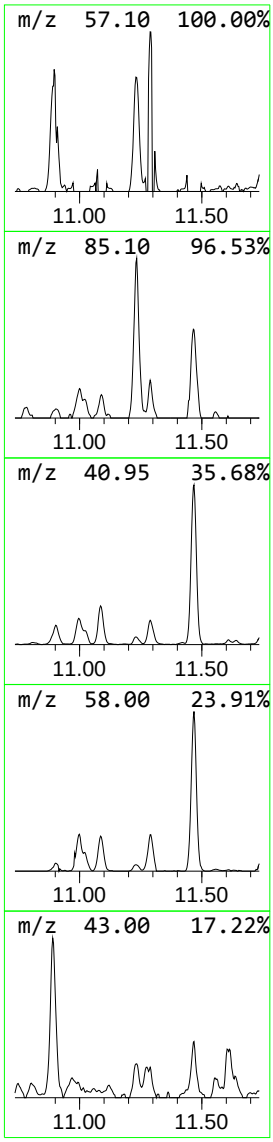
****

Peak Number 31 4-Heptanone, 2,6-dimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.234	13.15 ug/L	43968	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	90
3	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	83
4	1-Propoxypropan-2-yl 2-methylbut...	202	C11H22O3	1000367-10-7	64
5	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	59





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Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

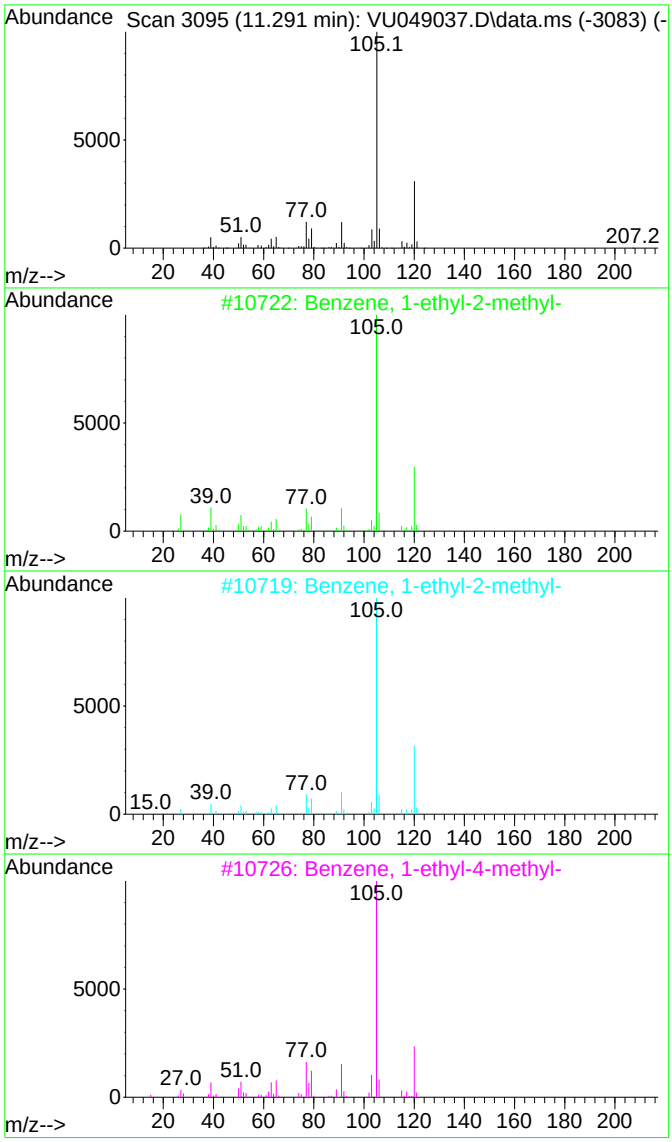
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

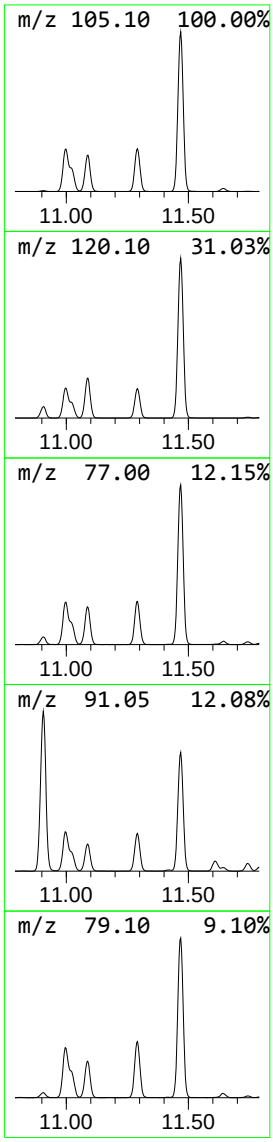
****

Peak Number 32 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.291	827.04 ug/L	2765280	1,4-Dichlorobenzene-d4	11.816

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	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

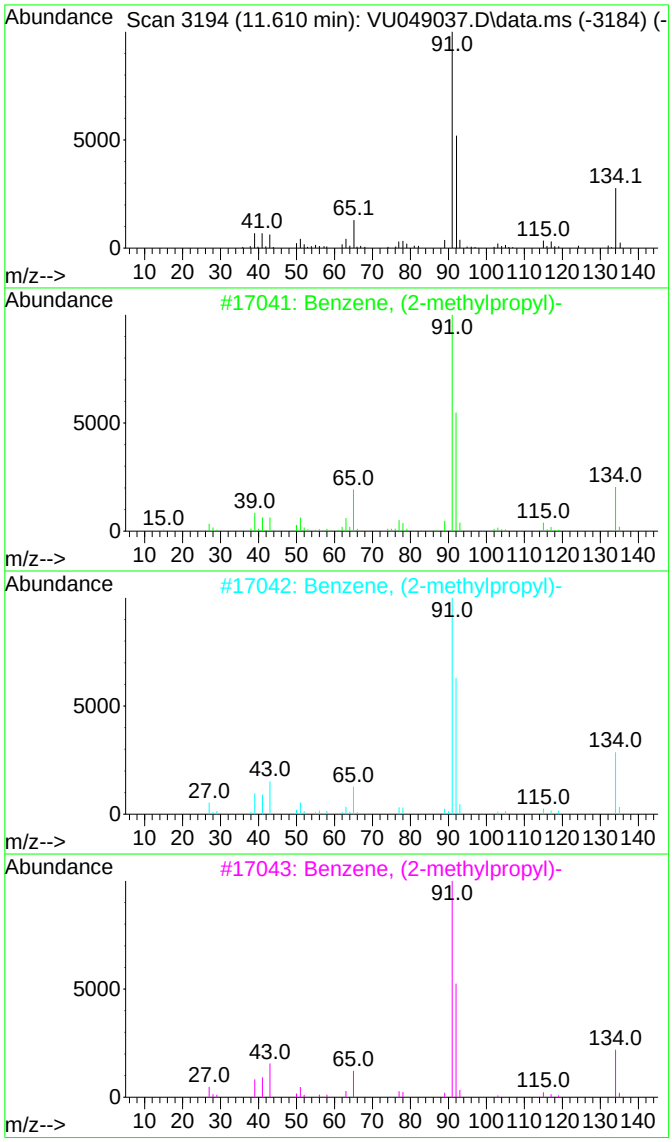
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

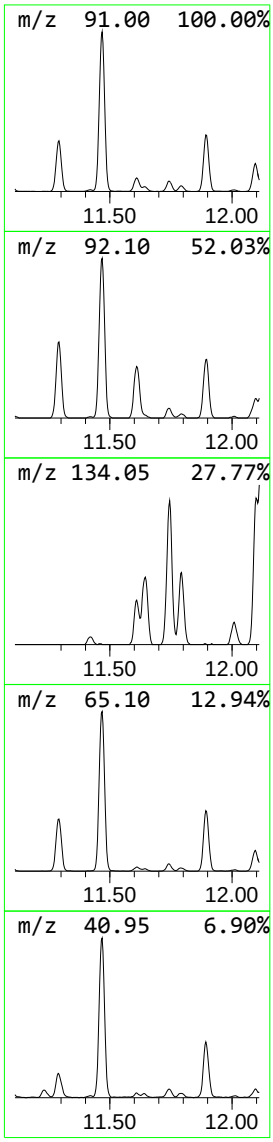
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, (2-methylpropyl)- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	30.30 ug/L	101301	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
5	Benzene, n-butyl-	134	C10H14	000104-51-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

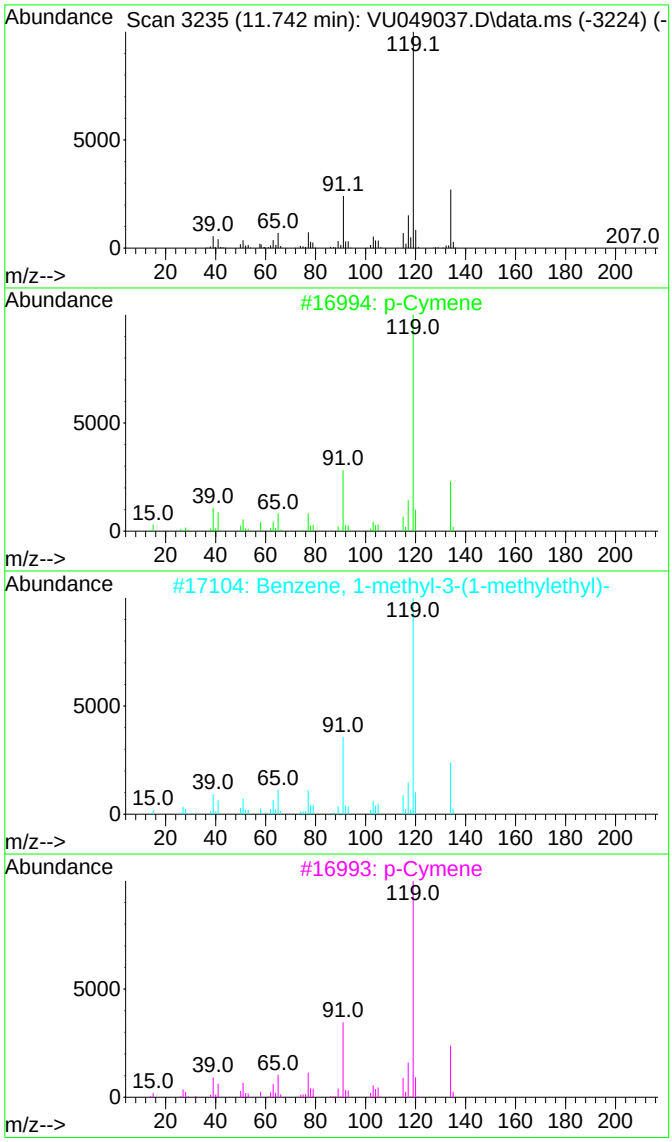
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

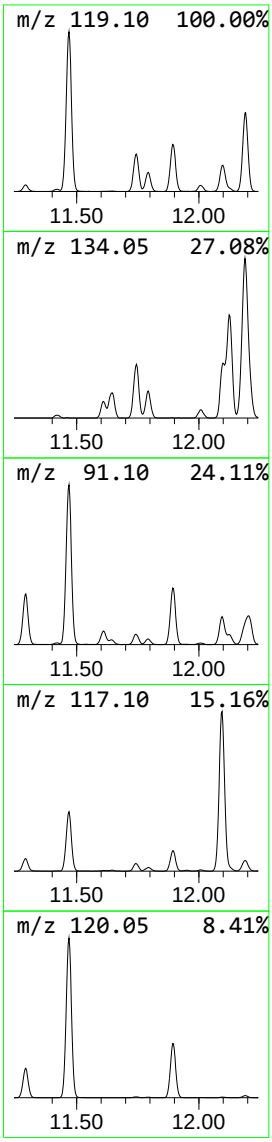
****

Peak Number 35 p-Cymene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.742	96.33 ug/L	322097	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	p-Cymene	134	C10H14	000099-87-6	93
4	o-Cymene	134	C10H14	000527-84-4	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

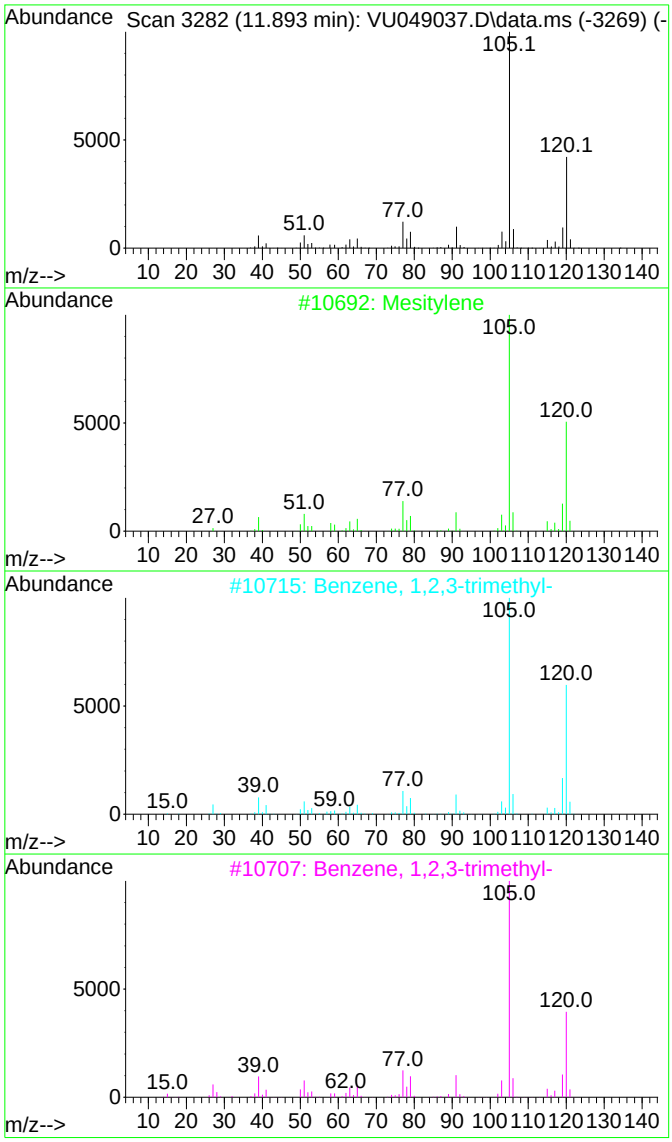
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

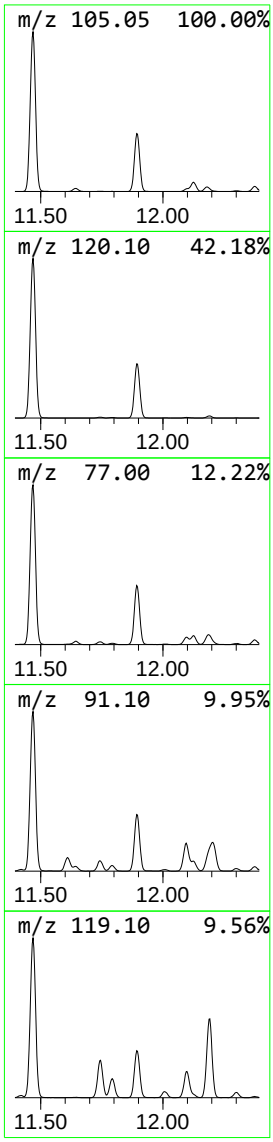
****

Peak Number 36 Mesitylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.893	1203.71 ug/L	4024680	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

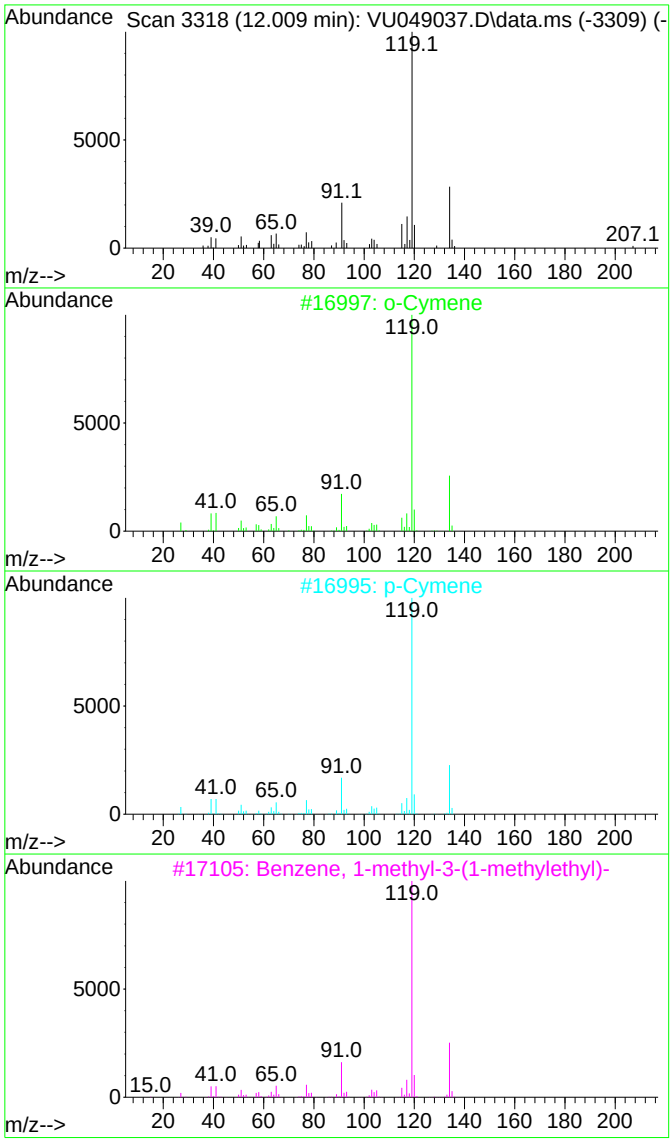
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

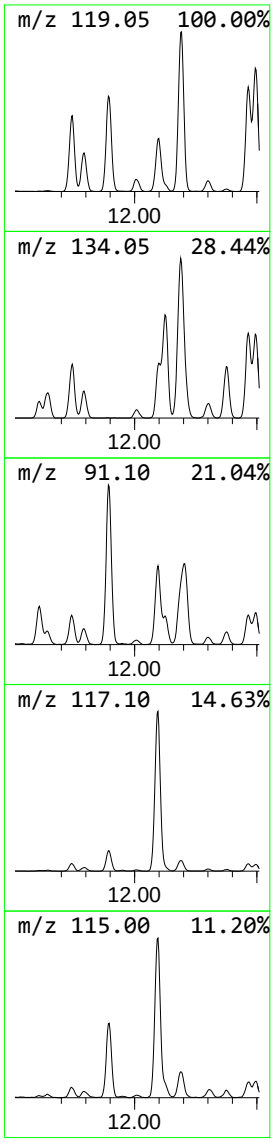
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 1-methyl-3-(1-meth... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.009	16.91 ug/L	56524	1,4-Dichlorobenzene-d4	11.816

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

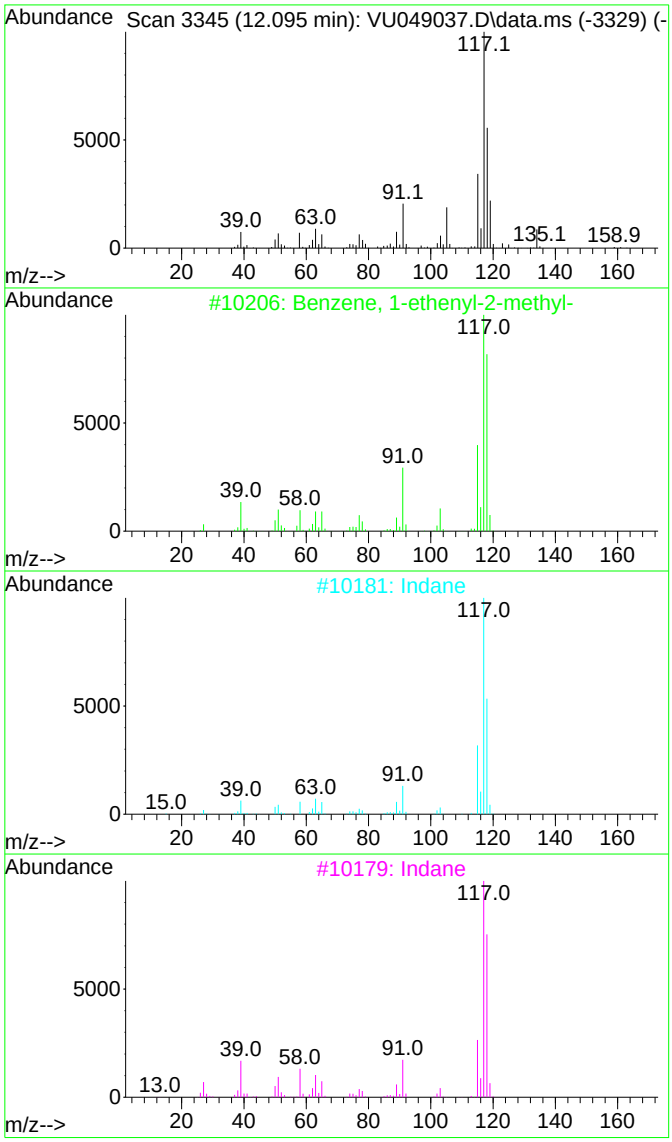
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

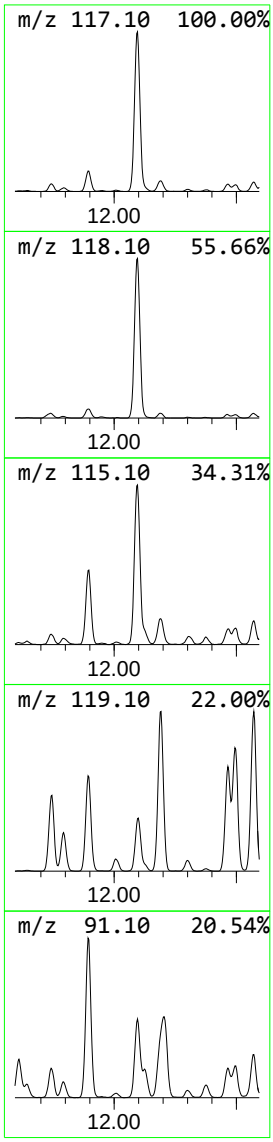
****

Peak Number 38 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.095	445.34 ug/L	1489020	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
2	Indane	118	C9H10	000496-11-7	76
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

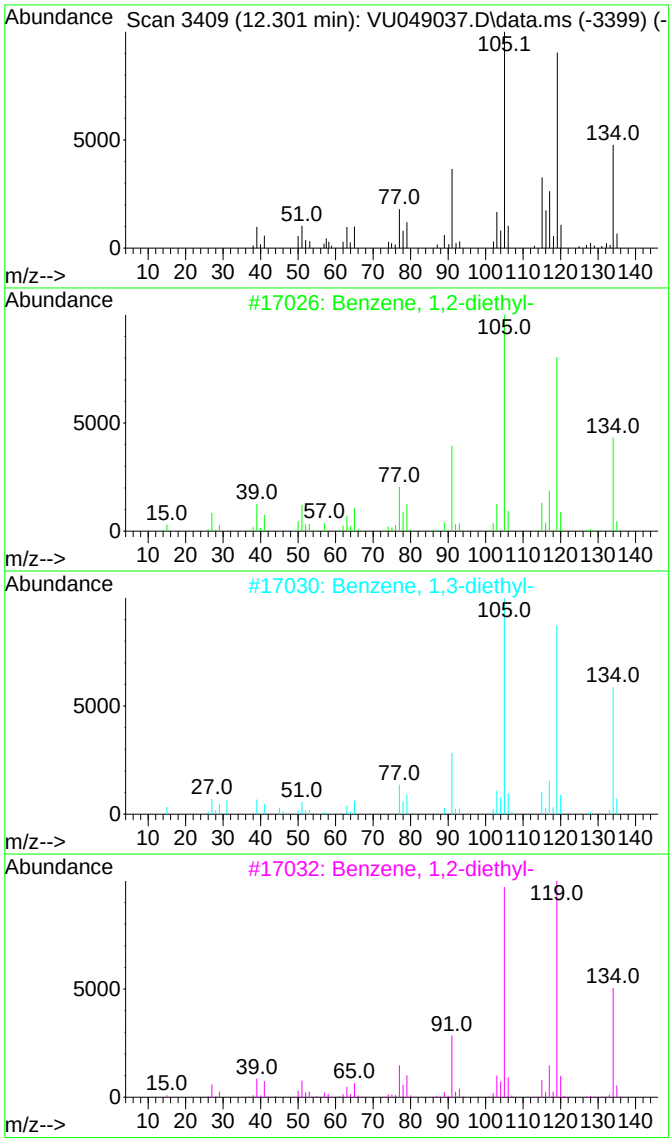
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

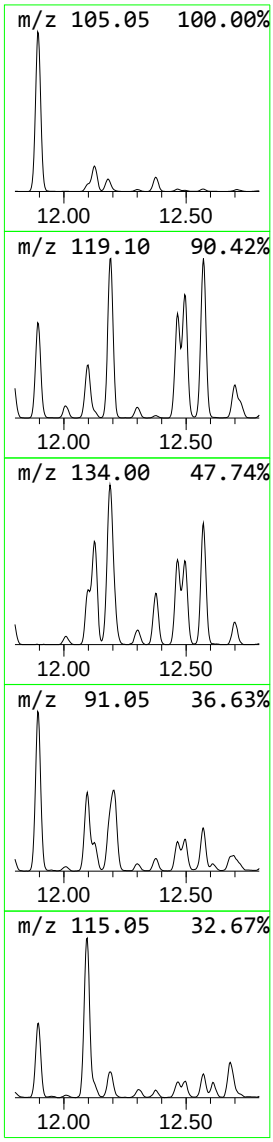
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1,2-diethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.301	30.99 ug/L	103629	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	87
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

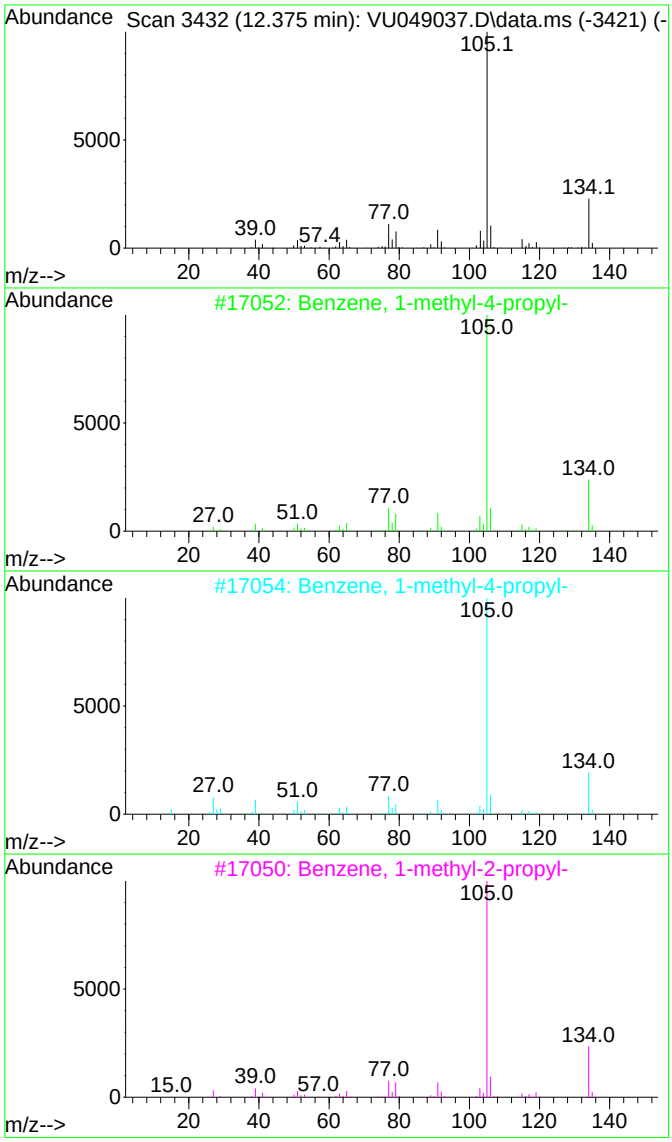
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

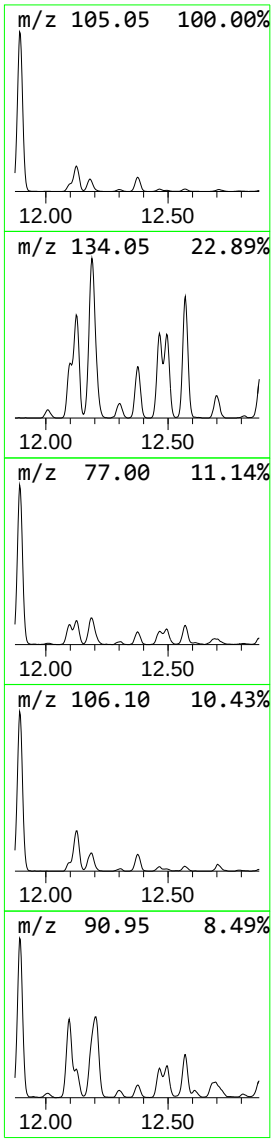
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 1-methyl-4-propyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.375	92.35 ug/L	308772	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

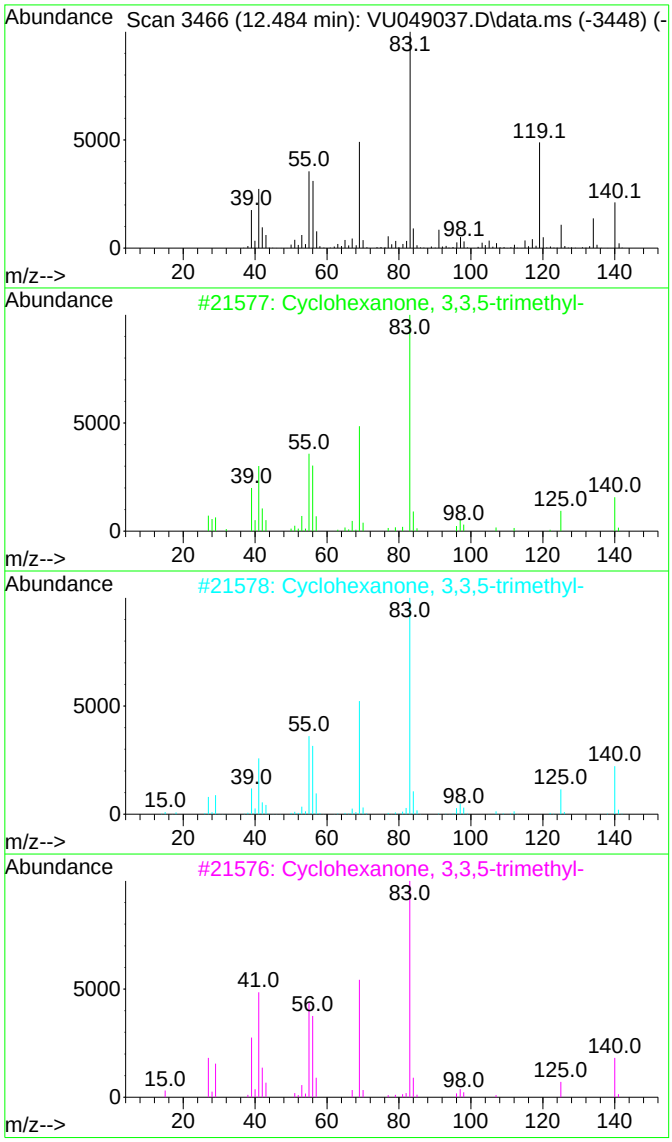
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

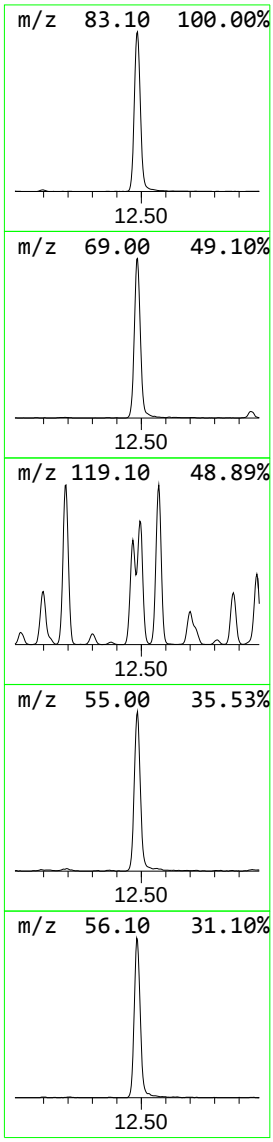
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Cyclohexanone, 3,3,5-trimet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.484	602.84 ug/L	2015630	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	95
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	95
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	70
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	70
5	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

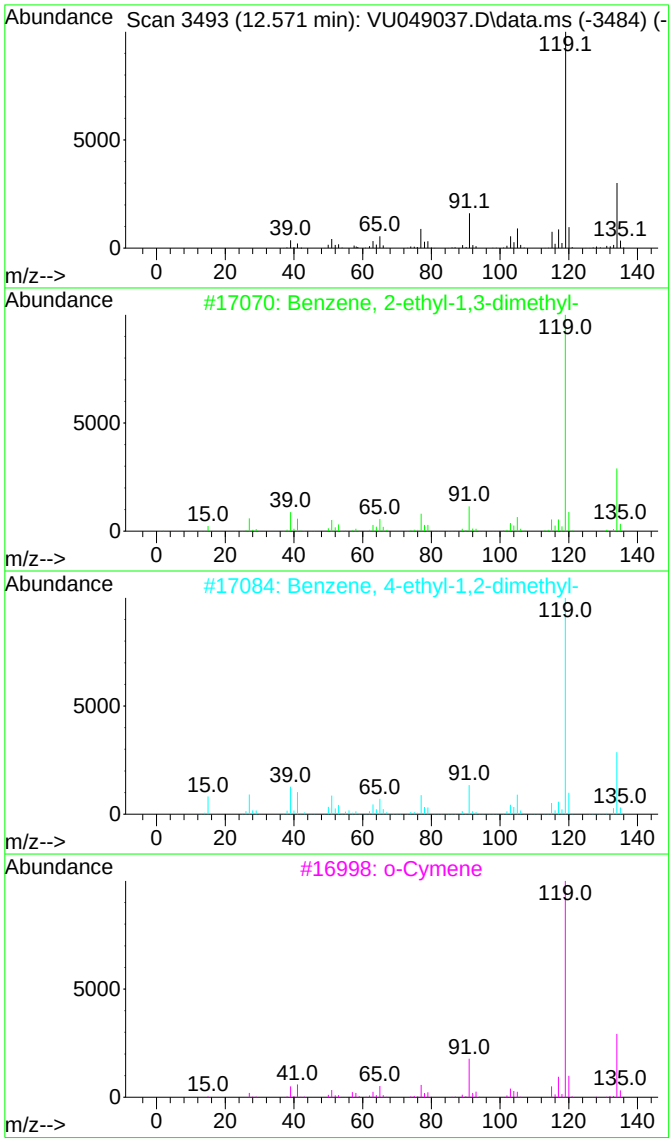
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

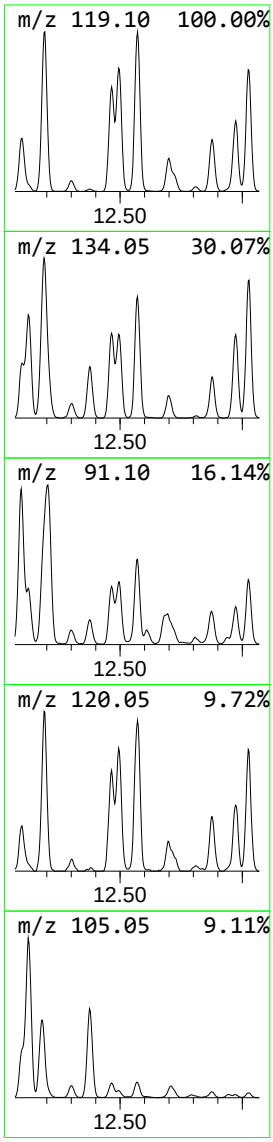
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.571	174.47 ug/L	583361	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

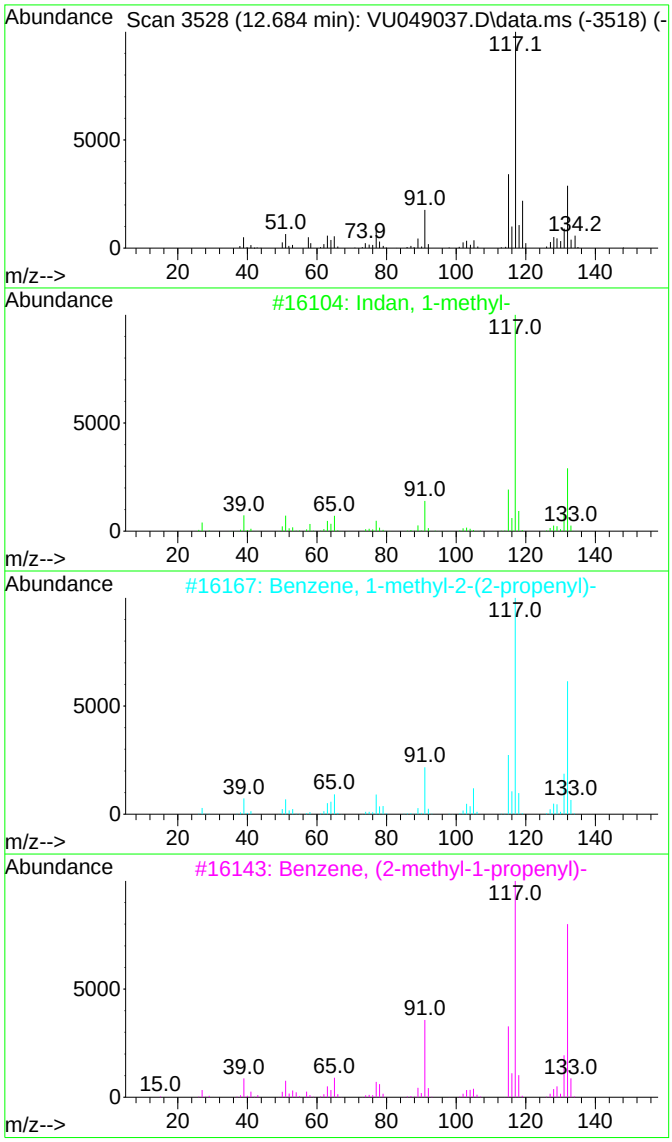
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

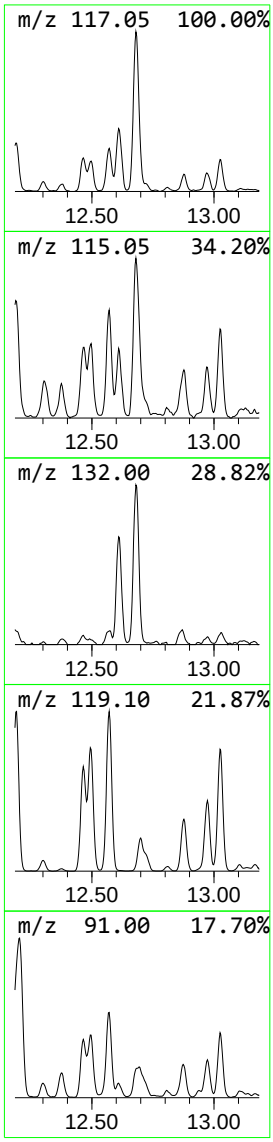
****

Peak Number 43 Indan, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.684	132.73 ug/L	443792	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

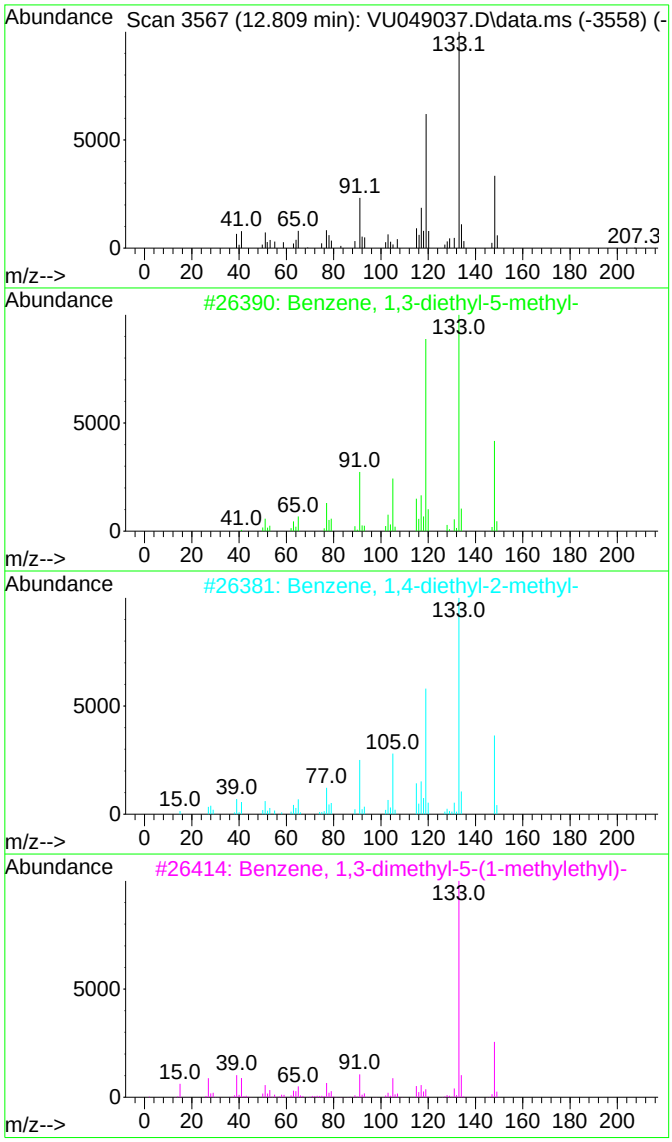
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

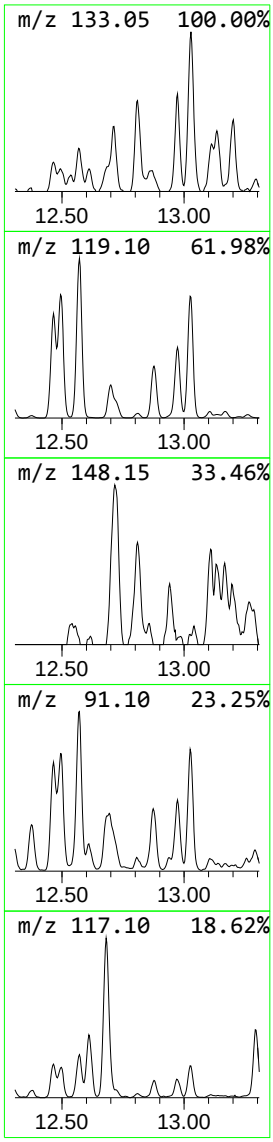
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.809	13.45 ug/L	44975	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	93
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	76
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	76
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

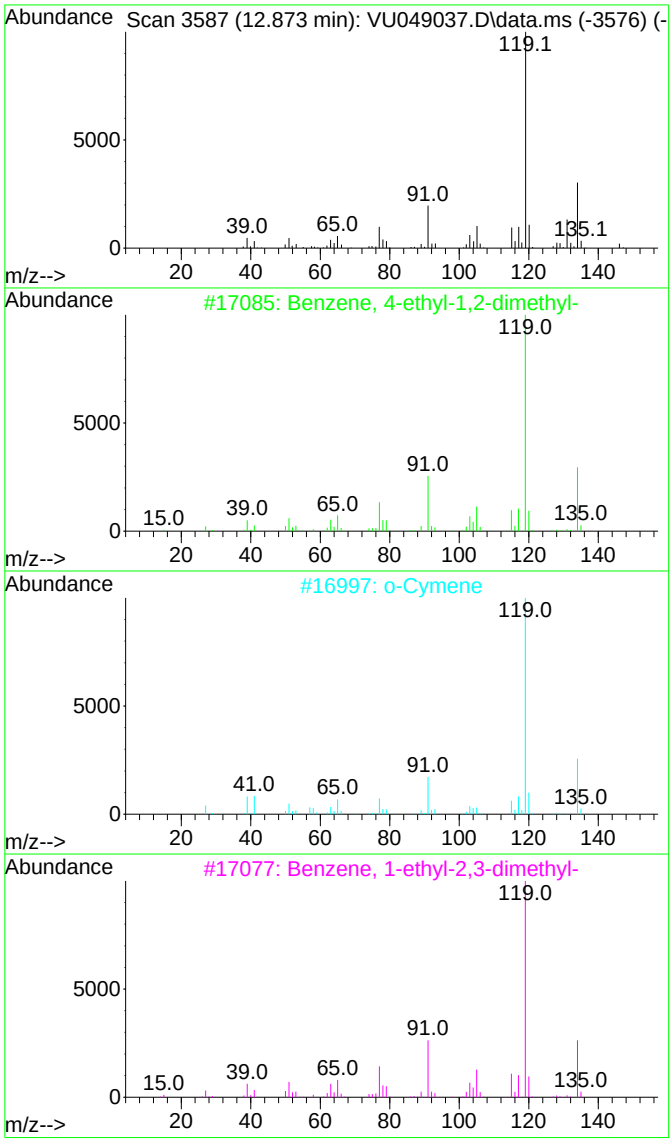
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

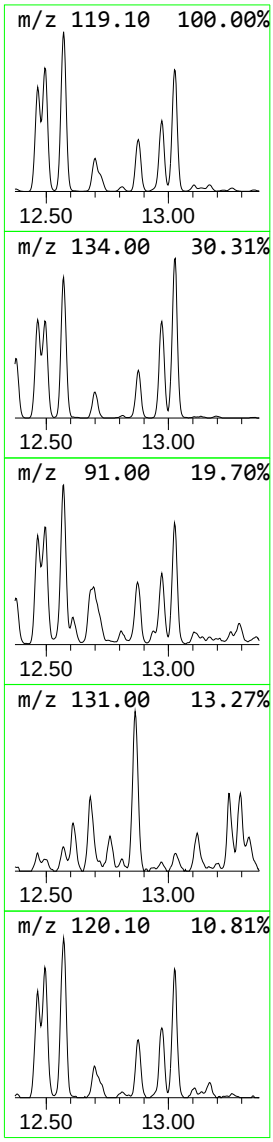
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.873	77.84 ug/L	260254	1,4-Dichlorobenzene-d4	11.816

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

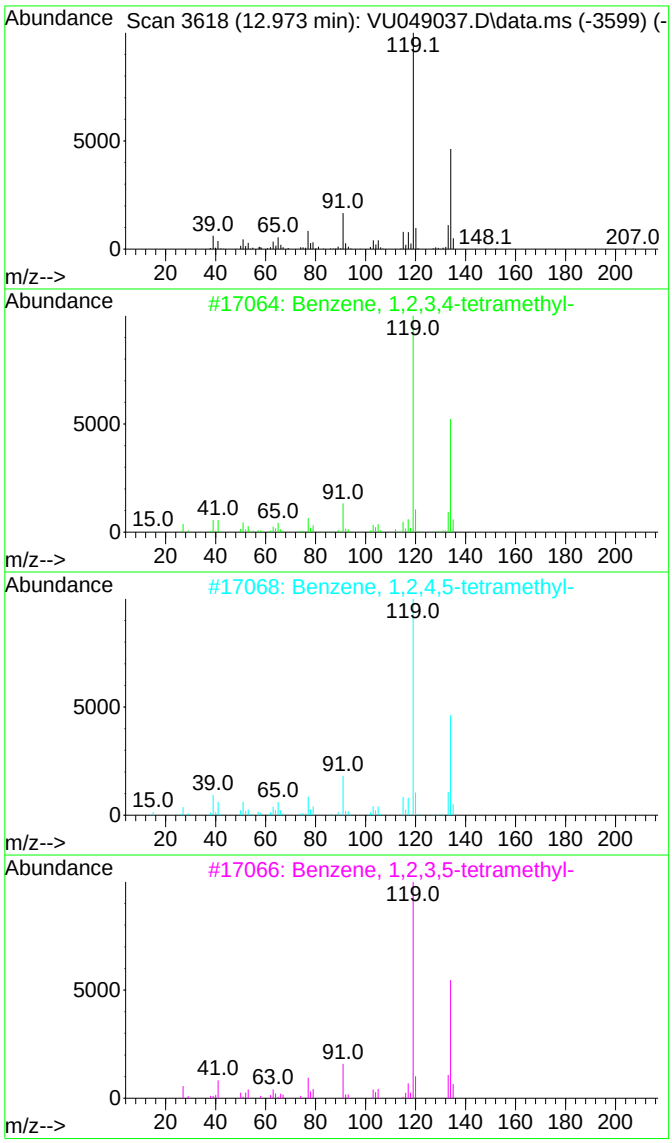
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

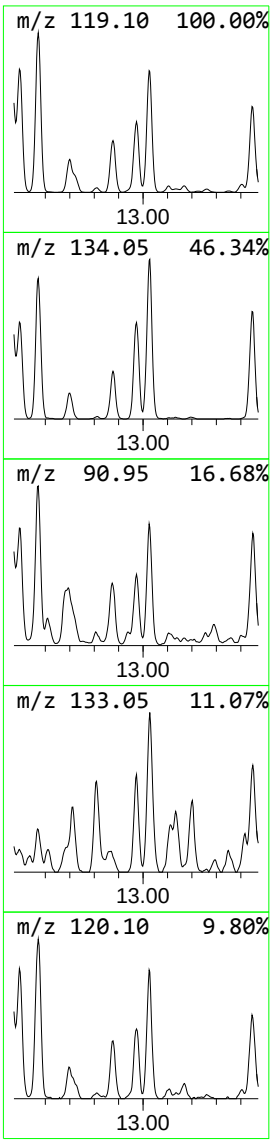
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.973	109.64 ug/L	366601	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

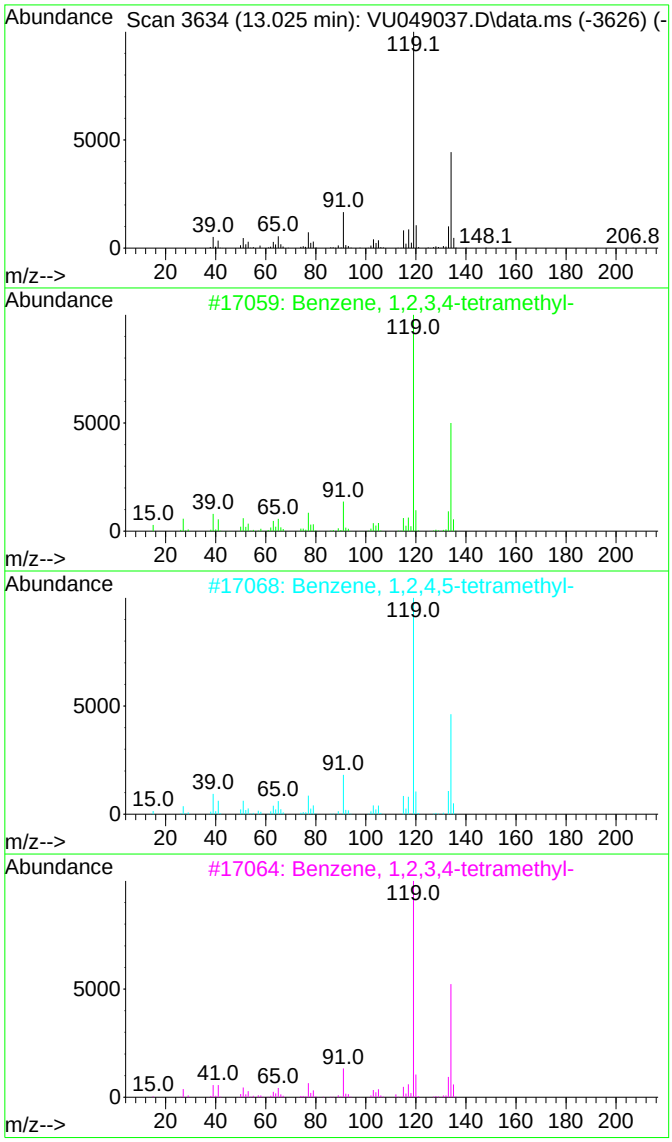
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

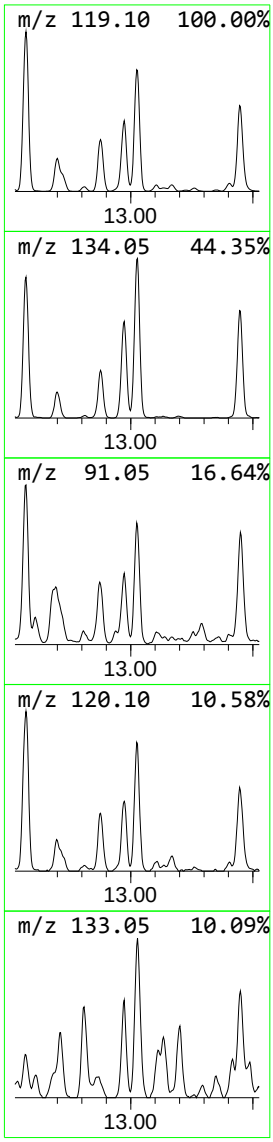
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.025	153.84 ug/L	514378	1,4-Dichlorobenzene-d4	11.816

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

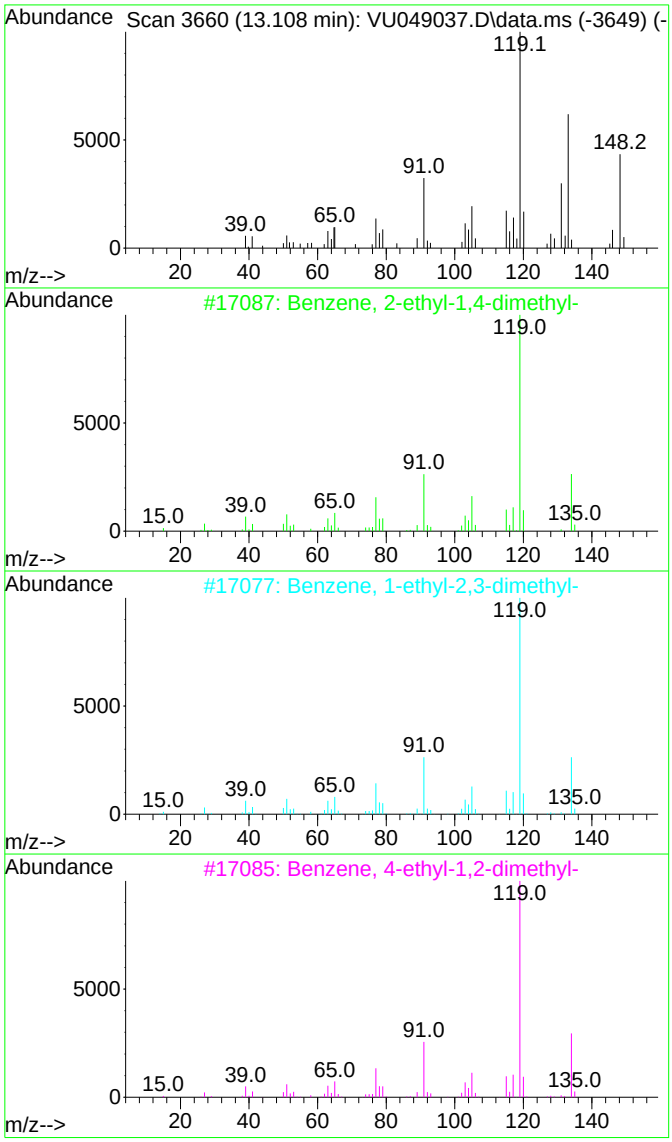
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

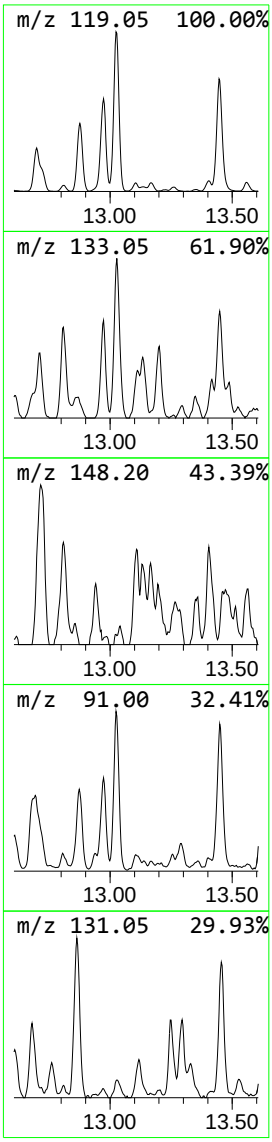
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.108	15.73 ug/L	52590	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
4	4-Methylphthalaldehyde	148	C9H8O2	015158-36-8	49
5	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

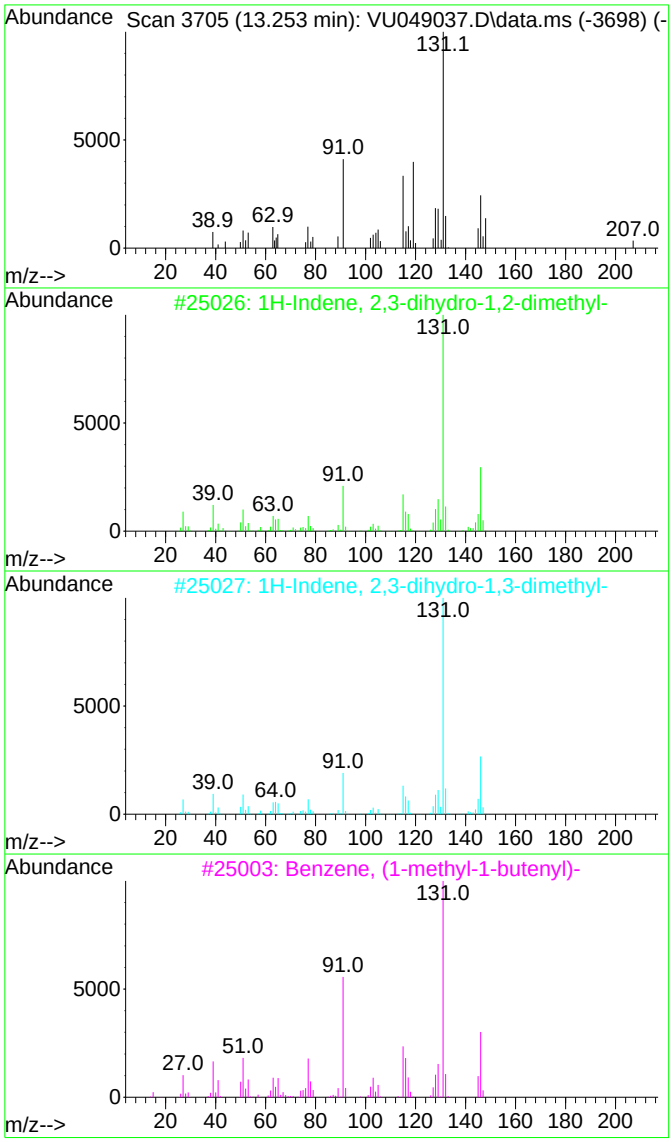
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

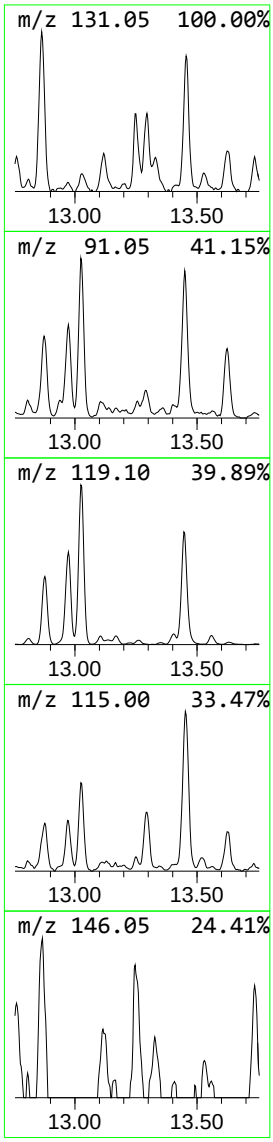
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.253	8.41 ug/L	28132	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

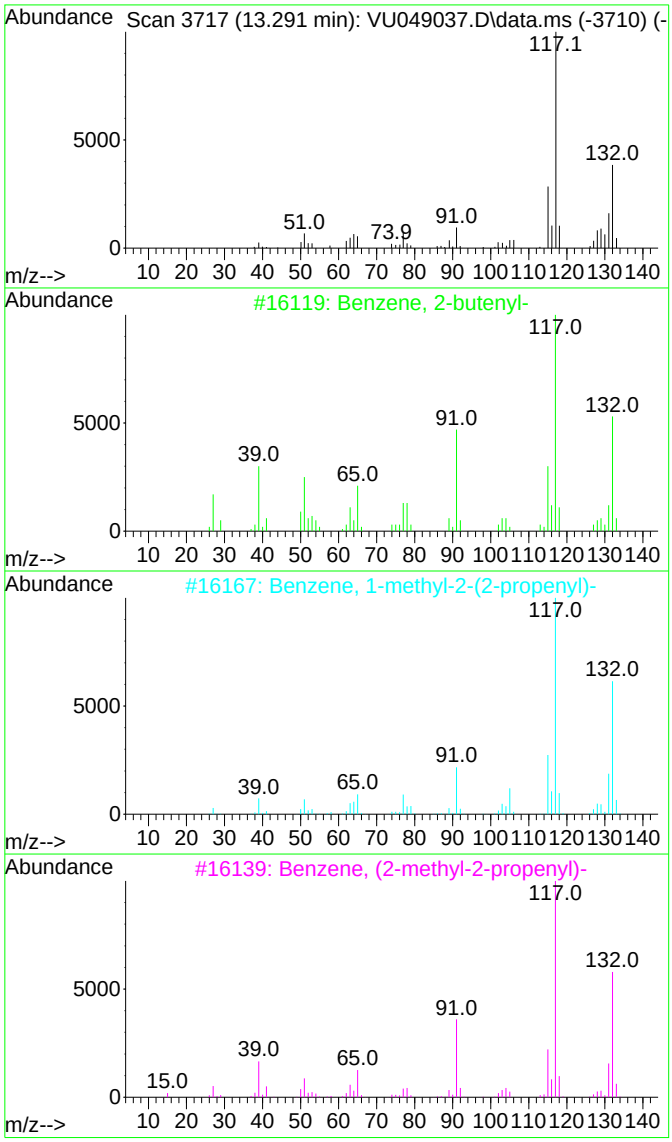
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

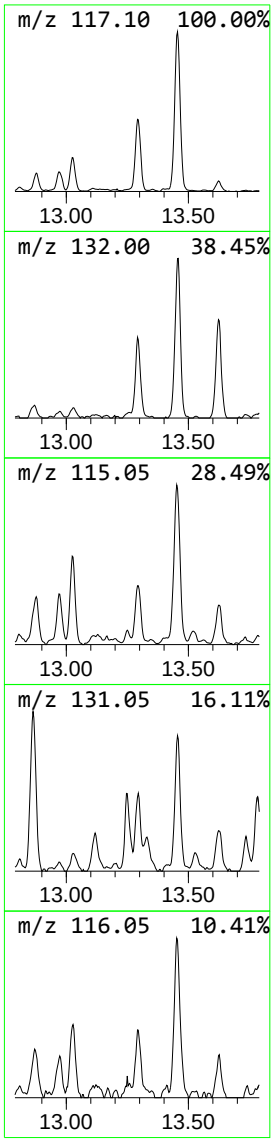
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, 2-butenyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.291	33.51 ug/L	112054	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	86
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

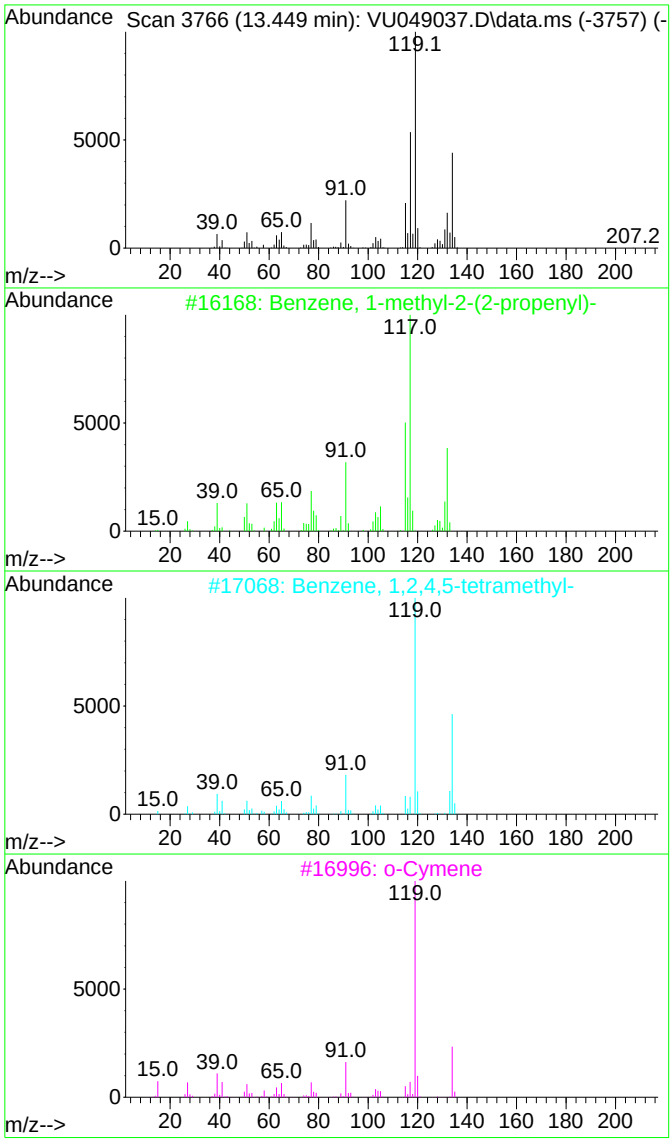
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

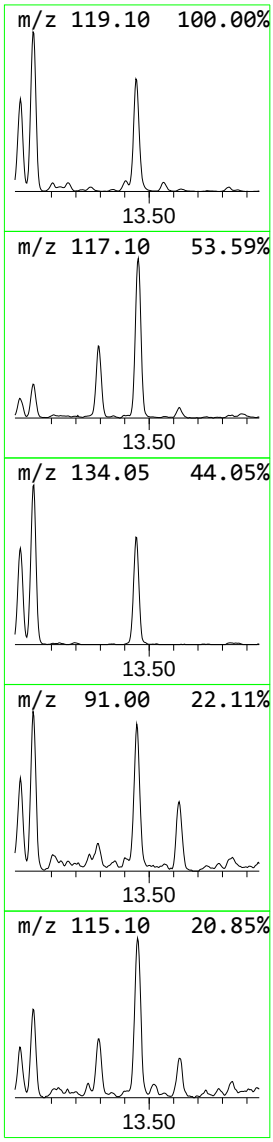
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1-methyl-2-(2-prop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.449	173.00 ug/L	578428	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
3	o-Cymene	134	C10H14	000527-84-4	64
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

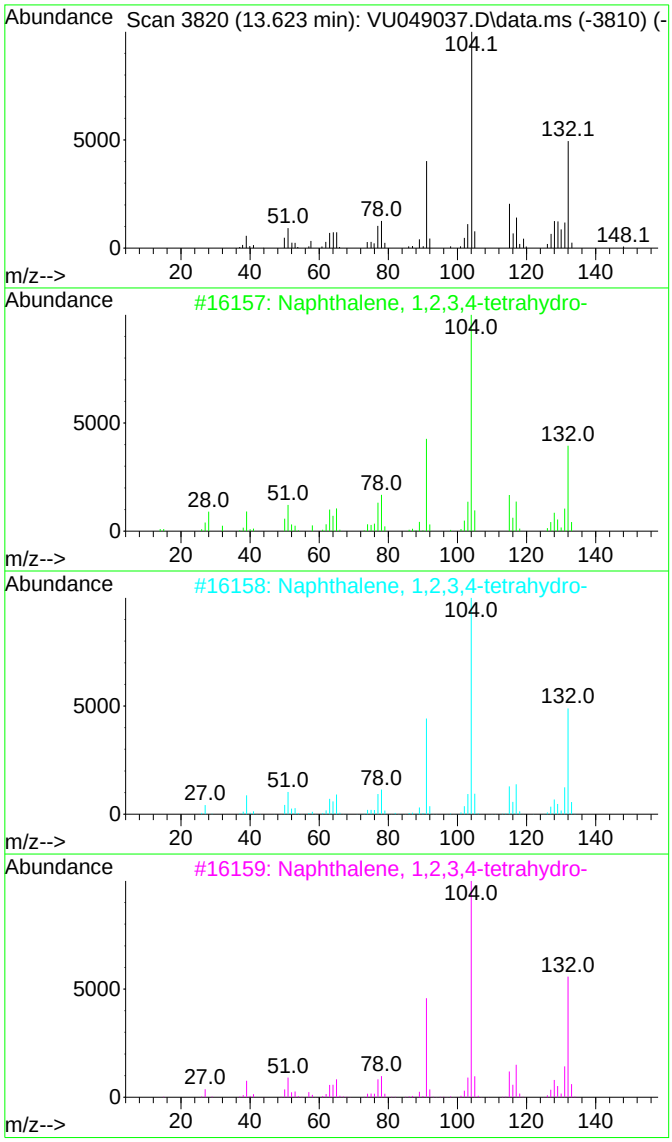
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

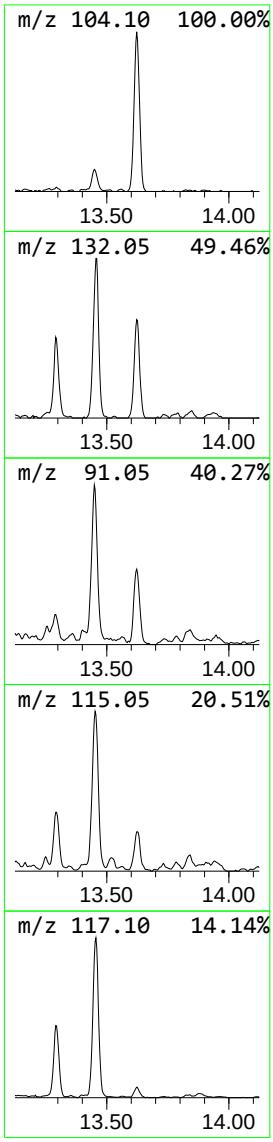
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	45.50 ug/L	152147	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

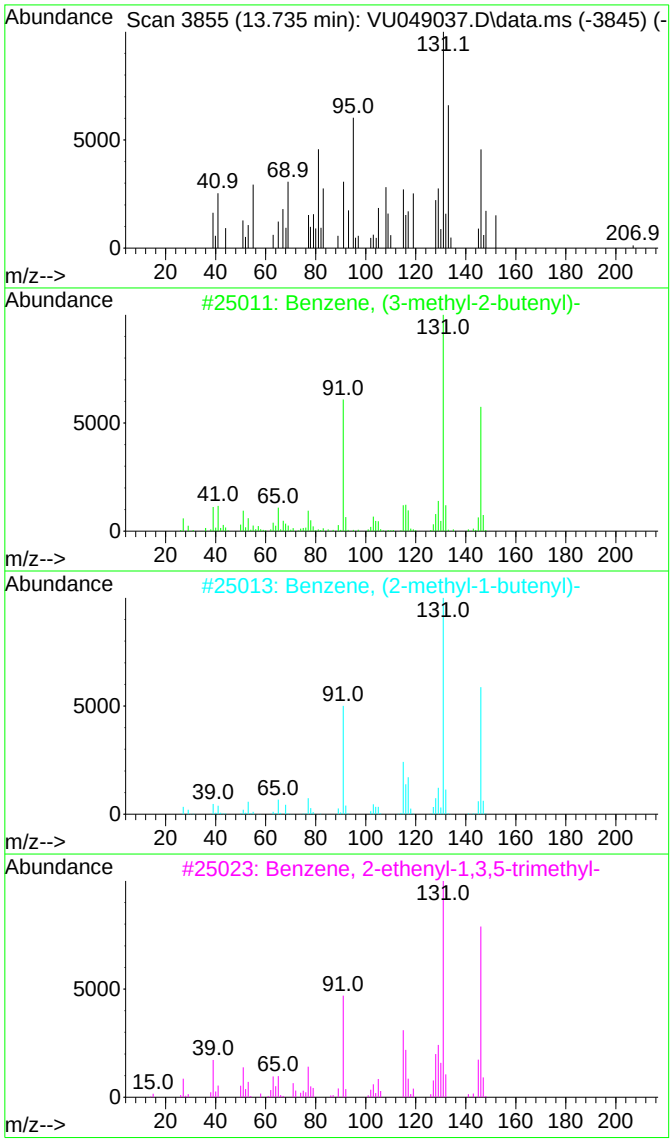
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

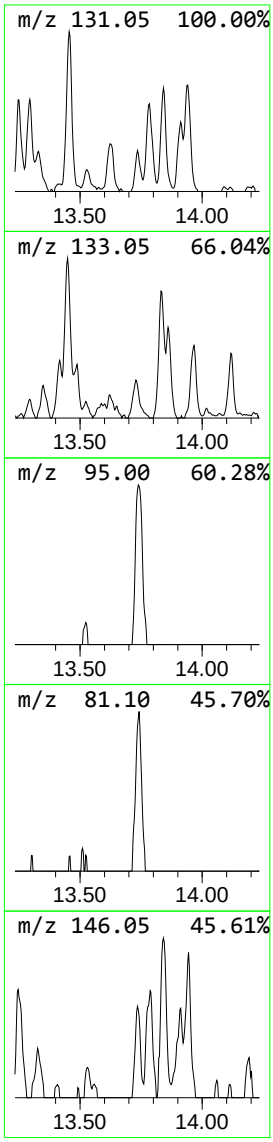
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, (3-methyl-2-butenyl)- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.735	11.34 ug/L	37912	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	46
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	41
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

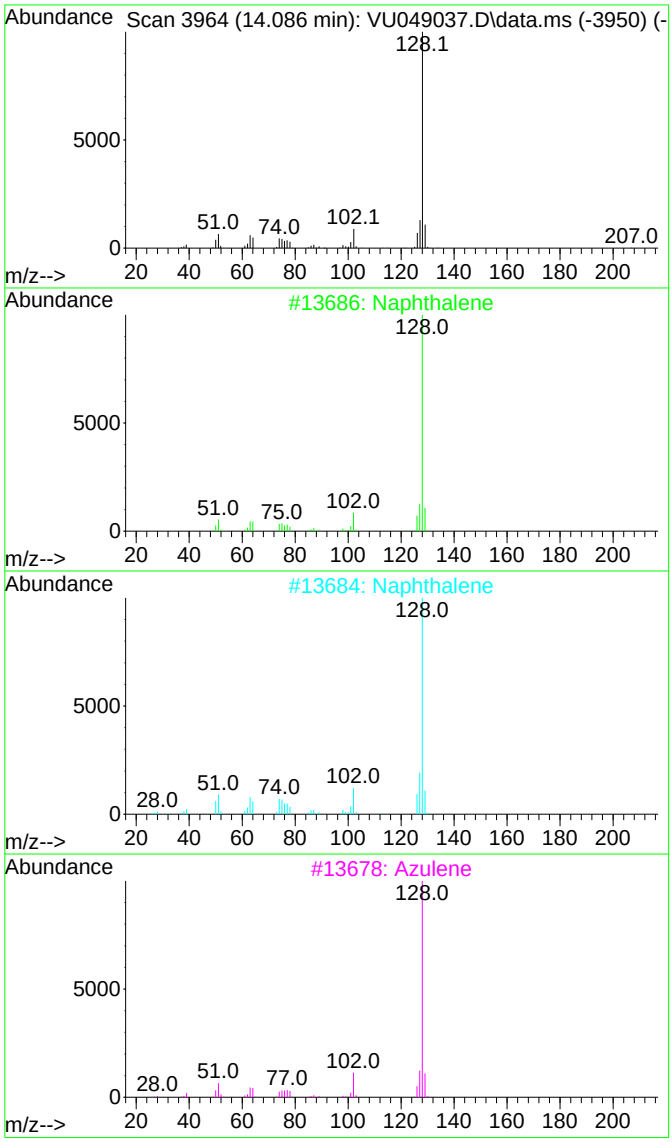
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

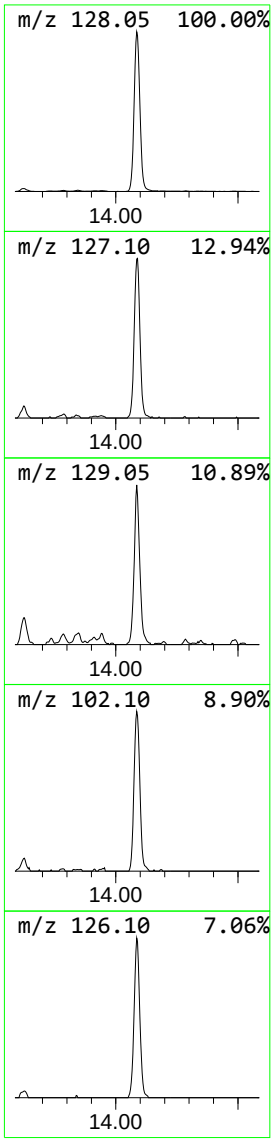
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Azulene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.086	143.50 ug/L	479791	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	94
3	Azulene	128	C10H8	000275-51-4	93
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis

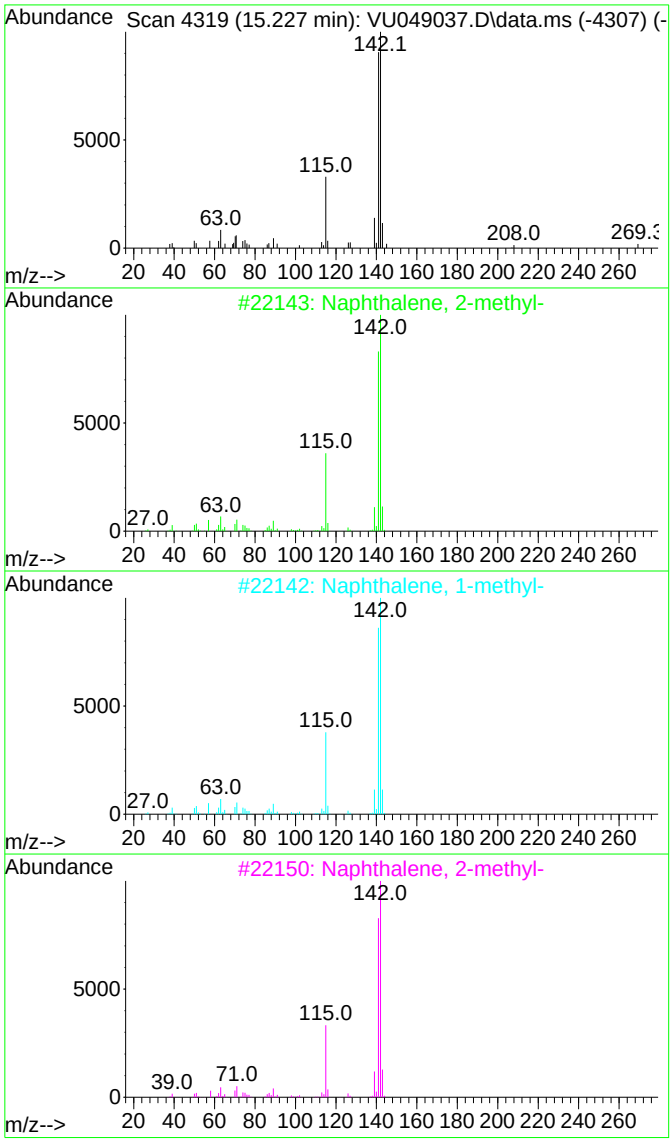
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

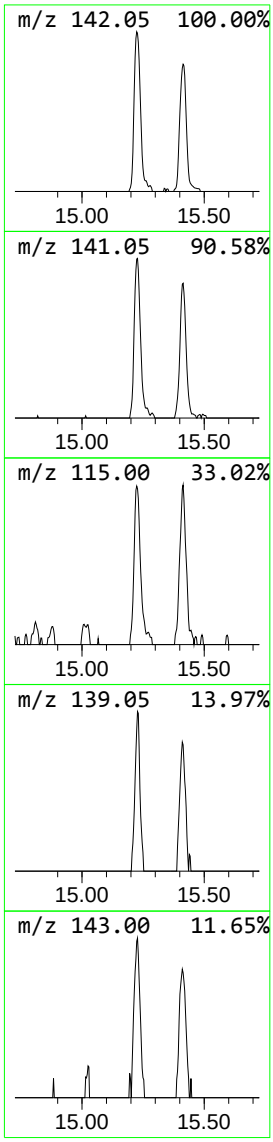
****

Peak Number 66 Naphthalene, 1-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	13.05 ug/L	43640	1,4-Dichlorobenzene-d4	11.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
Data File : VU049037.D
Acq On : 11 Jun 2022 07:33
Operator : SY/MD
Sample : N3248-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXYY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.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
1,2-Butadiene	2.244	346.3	ug/L	26604	1	6.253	3841	50.0
Ethanethiol	2.472	243.4	ug/L	18701	1	6.253	3841	50.0
Borane-methyl s...	2.687	87.3	ug/L	6707	1	6.253	3841	50.0
(DEL) Alkane: S...	3.700	258.3	ug/L	19845	1	6.253	3841	50.0
(DEL) Alkane: C...	4.533	351.9	ug/L	27035	1	6.253	3841	50.0
(DEL) Alkane: C...	5.993	125.0	ug/L	9603	1	6.253	3841	50.0
unknown-01	6.137	50.0	ug/L	3841	1	6.253	3841	50.0
unknown-02	6.977	119.4	ug/L	9170	1	6.253	3841	50.0
(DEL) Alkane: C...	7.073	30.8	ug/L	2365	1	6.253	3841	50.0
unknown-03	7.237	32.5	ug/L	2496	1	6.253	3841	50.0
(DEL) Alkane: S...	7.591	25.8	ug/L	1982	1	6.253	3841	50.0
(DEL) Alkane: C...	8.243	70.2	ug/L	26621	2	9.420	18973	50.0
(DEL) Alkane: C...	8.809	28.9	ug/L	10962	2	9.420	18973	50.0
(DEL) Alkane: C...	8.864	98.8	ug/L	37508	2	9.420	18973	50.0
(DEL) Alkane: C...	8.922	46.0	ug/L	17439	2	9.420	18973	50.0
(DEL) Alkane: C...	9.166	9.8	ug/L	3707	2	9.420	18973	50.0
unknown-04	9.272	13.9	ug/L	5254	2	9.420	18973	50.0
Pentalene, octa...	9.510	50.0	ug/L	18973	2	9.420	18973	50.0
Cyclohexene,1-p...	9.886	26.0	ug/L	9882	2	9.420	18973	50.0
(DEL) Alkane: C...	10.041	53.5	ug/L	20319	2	9.420	18973	50.0
(DEL) Alkane: C...	10.240	27.4	ug/L	10379	2	9.420	18973	50.0
unknown-05	10.272	131.5	ug/L	49903	2	9.420	18973	50.0
Cyclohexane, 1-...	10.362	90.0	ug/L	34157	2	9.420	18973	50.0
Diethyl disulfide	10.571	40.0	ug/L	15171	2	9.420	18973	50.0
Benzene, propyl-	10.906	365.0	ug/L	1220430	3	11.816	167179	50.0
Benzene, 1-ethy...	10.999	1218.8	ug/L	4075220	3	11.816	167179	50.0
4-Heptanone, 2,...	11.234	13.2	ug/L	43968	3	11.816	167179	50.0
Benzene, 1-ethy...	11.291	827.0	ug/L	2765280	3	11.816	167179	50.0
Benzene, (2-met...	11.610	30.3	ug/L	101301	3	11.816	167179	50.0
p-Cymene	11.742	96.3	ug/L	322097	3	11.816	167179	50.0
Mesitylene	11.893	1203.7	ug/L	4024680	3	11.816	167179	50.0
Benzene, 1-meth...	12.009	16.9	ug/L	56524	3	11.816	167179	50.0
Indane	12.095	445.3	ug/L	1489020	3	11.816	167179	50.0
Benzene, 1,2-di...	12.301	31.0	ug/L	103629	3	11.816	167179	50.0
Benzene, 1-meth...	12.375	92.3	ug/L	308772	3	11.816	167179	50.0
Cyclohexanone, ...	12.484	602.8	ug/L	2015630	3	11.816	167179	50.0
Benzene, 2-ethy...	12.571	174.5	ug/L	583361	3	11.816	167179	50.0
Indan, 1-methyl-	12.684	132.7	ug/L	443792	3	11.816	167179	50.0
Benzene, 1,3-di...	12.809	13.4	ug/L	44975	3	11.816	167179	50.0
Benzene, 4-ethy...	12.873	77.8	ug/L	260254	3	11.816	167179	50.0
Benzene, 1,2,3,...	12.973	109.6	ug/L	366601	3	11.816	167179	50.0
Benzene, 1,2,4,...	13.025	153.8	ug/L	514378	3	11.816	167179	50.0
Benzene, 2-ethy...	13.108	15.7	ug/L	52590	3	11.816	167179	50.0
1H-Indene, 2,3-...	13.253	8.4	ug/L	28132	3	11.816	167179	50.0
Benzene, 2-bute...	13.291	33.5	ug/L	112054	3	11.816	167179	50.0
Benzene, 1-meth...	13.449	173.0	ug/L	578428	3	11.816	167179	50.0
Naphthalene, 1,...	13.623	45.5	ug/L	152147	3	11.816	167179	50.0
Benzene, (3-met...	13.735	11.3	ug/L	37912	3	11.816	167179	50.0
Azulene	14.086	143.5	ug/L	479791	3	11.816	167179	50.0
Naphthalene, 1-...	15.227	13.1	ug/L	43640	3	11.816	167179	50.0