LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : EXF05

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_V\Method\SFAMVLM072822WMA.M
Title : VOC Analysis

Signal : TIC: VV027109.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.098	12	18	38	rBV2	52483569	108928660	58.82%	15.263%
2	1.301	76	81	101	rVB3	485511	700322	0.38%	0.098%
3	1.561	156	162	177	rVB	259667	327385	0.18%	0.046%
4	1.703	200	206	216	rVB	127747	152970	0.08%	0.021%
5	1.770	222	227	246	rVB3	75104	120281	0.06%	0.017%
6	1.947	275	282	298	rVB2	78422	126703	0.07%	0.018%
7	2.056	304	316	323	rBV2	712489	1175925	0.63%	0.165%
8	2.101	323	330	341	rVB	552265	794794	0.43%	0.111%
9	2.188	343	357	379	rBV3	570164	1176155	0.64%	0.165%
10	2.500	440	454	471	rBV3	159965	326540	0.18%	0.046%
11	2.654	490	502	517	rBV	230591	413706	0.22%	0.058%
12	2.828	546	556	575	rVB	91544	171757	0.09%	0.024%
13	3.185	646	667	687	rBV	74232	211169	0.11%	0.030%
14	3.288	687	699	714	rBV3	14754	35172	0.02%	0.005%
15	3.429	732	743	755	rBV4	19894	56661	0.03%	0.008%
16	3.497	757	764	780	rVB3	24085	56530	0.03%	0.008%
17	3.670	807	818	835	rBV	71726	165656	0.09%	0.023%
18	3.899	873	889	909	rBV4	157458	572864	0.31%	0.080%
19	4.342	1009	1027	1042	rBV	429510	1098198	0.59%	0.154%
20	4.661	1110	1126	1147	rBV4	50414	148585	0.08%	0.021%
21	5.095	1226	1261	1320	rBV2	23419951	56295258	30.40%	7.888%
22	5.612	1410	1422	1454	rVB	720147	1453075	0.78%	0.204%
23	5.889	1488	1508	1549	rBV	2590536	7072207	3.82%	0.991%
24	6.066	1551	1563	1576	rBV	492481	982749	0.53%	0.138%
25	6.162	1577	1593	1641	rVB	2396325	6266493	3.38%	0.878%
26	6.371	1642	1658	1711	rVB	7137234	14768058	7.97%	2.069%
27	6.622	1727	1736	1752	rBV	120578	237711	0.13%	0.033%
28	6.706	1753	1762	1770	rBV	153404	282237	0.15%	0.040%
29	6.754	1771	1777	1800	rVB2	161649	334484	0.18%	0.047%
30	6.899	1801	1822	1846	rBV	19248894	40888422	22.08%	5.729%
31	7.236	1917	1927	1940	rBV3	77238	168853	0.09%	0.024%
32	7.313	1940	1951	1963	rVV	1184533	2154937	1.16%	0.302%
33	7.413	1963	1982	2037	rVV2	28732794	65347897	35.29%	9.157%
34	7.622	2038	2047	2067	rVB	191090	341479	0.18%	0.048%
35	7.789	2085	2099	2138	rVB	4596140	10098885	5.45%	1.415%
36	8.046	2151	2179	2190	rBV4	59747079	185190406	100.00%	25.949%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

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_V\Method\SFAMVLM072822WMA.M
Title : VOC Analysis

37	8.091	2190	2193	2204	rVV	809506	1291050	0.70%	0.181%
38	8.143	2205	2209	2220	rVV	272970	455603	0.25%	0.064%
39	8.210	2220	2230	2250	rVB3	414397	953012	0.51%	0.134%
40	8.448	2293	2304	2326	rVB	382909	735532	0.40%	0.103%
41	8.625	2347	2359	2383	rBV3	1272622	2334538	1.26%	0.327%
42	8.812	2407	2417	2423	rBV	1413761	2067209	1.12%	0.290%
43	8.879	2423	2438	2464	rVB	16310859	29633138	16.00%	4.152%
44	8.995	2465	2474	2477	rBV2	272935	372884	0.20%	0.052%
45	9.024	2478	2483	2492	rVV	460004	696779	0.38%	0.098%
46	9.075	2492	2499	2509	rVB2	158315	233269	0.13%	0.033%
47	9.175	2525	2530	2540	rVB	60471	89220	0.05%	0.013%
48	9.294	2555	2567	2582	rBV3	441826	829433	0.45%	0.116%
49	9.381	2582	2594	2607	rBV	2286258	3665563	1.98%	0.514%
50	9.545	2637	2645	2657	rBV2	40530	80026	0.04%	0.011%
51	9.702	2678	2694	2710	rBV2	123656	242487	0.13%	0.034%
52	9.828	2722	2733	2752	rVB3	99249	222285	0.12%	0.031%
53	9.995	2774	2785	2800	rBV3	145133	392356	0.21%	0.055%
54	10.079	2801	2811	2835	rVV	1465592	2383606	1.29%	0.334%
55	10.214	2837	2853	2874	rVV	6805288	10587917	5.72%	1.484%
56	10.307	2876	2882	2887	rVV6	39493	70525	0.04%	0.010%
57	10.358	2888	2898	2904	rVV	412258	690631	0.37%	0.097%
58	10.406	2904	2913	2943	rVB	1528823	2498845	1.35%	0.350%
59	10.635	2973	2984	2988	rBV4	109899	171646	0.09%	0.024%
60	10.680	2988	2998	3023	rVB	3782317	5997564	3.24%	0.840%
61	10.824	3032	3043	3061	rVB	413903	686172	0.37%	0.096%
62	10.911	3061	3070	3076	rBV3	61806	98776	0.05%	0.014%
63	10.959	3076	3085	3095	rVV	681948	1070217	0.58%	0.150%
64	11.024	3095	3105	3119	rVB4	344671	649633	0.35%	0.091%
65	11.172	3138	3151	3165	rBV	5051253	8214134	4.44%	1.151%
66	11.246	3165	3174	3183	rVV	1350094	2077309	1.12%	0.291%
67	11.300	3183	3191	3211	rVV	2218677	3544509	1.91%	0.497%
68	11.397	3212	3221	3230	rVV	314900	460609	0.25%	0.065%
69	11.464	3231	3242	3253	rVB	181212	304196	0.16%	0.043%
70	11.529	3254	3262	3264	rBV4	32230	36830	0.02%	0.005%
71	11.644	3280	3298	3322	rVV2	7201011	13151444	7.10%	1.843%
72	11.750	3323	3331	3350	rVB5	55938	139697	0.08%	0.020%
73	11.911	3369	3381	3396	rBV	1096425	1659799	0.90%	0.233%
74	12.059	3419	3427	3440	rBV5	85501	174940	0.09%	0.025%
75	12.149	3445	3455	3469	rVB	1395872	2059443	1.11%	0.289%
76	12.246	3475	3485	3497	rBV	98998	159224	0.09%	0.022%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

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_V\Method\SFAMVLM072822WMA.M
Title : VOC Analysis

77	12.320	3498	3508	3519	rVV2	244243	534061	0.29%	0.075%
78	12.394	3519	3531	3560	rVB	7463928	11314736	6.11%	1.585%
79	12.590	3582	3592	3602	rBV2	50796	81098	0.04%	0.011%
80	12.651	3602	3611	3620	rBV	67703	110236	0.06%	0.015%
81	12.747	3633	3641	3650	rBV	118277	182798	0.10%	0.026%
82	12.818	3650	3663	3681	rVV	15375615	22393603	12.09%	3.138%
83	13.156	3759	3768	3773	rBV4	121753	188258	0.10%	0.026%
84	13.201	3773	3782	3786	rBV	443992	642365	0.35%	0.090%
85	13.474	3857	3867	3881	rVV	267470	444641	0.24%	0.062%
86	13.625	3905	3914	3924	rVB6	21588	41184	0.02%	0.006%
87	13.715	3932	3942	3950	rBV8	30443	53084	0.03%	0.007%
88	13.789	3957	3965	3973	rVB	55410	83423	0.05%	0.012%
89	13.856	3973	3986	3992	rBV	3312453	4968604	2.68%	0.696%
90	13.905	3992	4001	4018	rVV	13791125	21450484	11.58%	3.006%
91	13.988	4018	4027	4033	rVV2	216187	380144	0.21%	0.053%
92	14.020	4034	4037	4057	rVB2	117800	177142	0.10%	0.025%
93	14.365	4133	4144	4151	rVV	371934	621054	0.34%	0.087%
94	14.400	4151	4155	4175	rVV	215658	323826	0.17%	0.045%
95	14.699	4237	4248	4253	rBV3	52498	89470	0.05%	0.013%
96	14.969	4316	4332	4349	rBV	25385077	38600429	20.84%	5.409%
97	15.117	4368	4378	4386	rBV	72243	115111	0.06%	0.016%
98	15.220	4401	4410	4422	rVB9	32556	73607	0.04%	0.010%
99	15.799	4579	4590	4598	rVV	489048	733935	0.40%	0.103%
100	15.844	4598	4604	4616	rVB	153668	229822	0.12%	0.032%

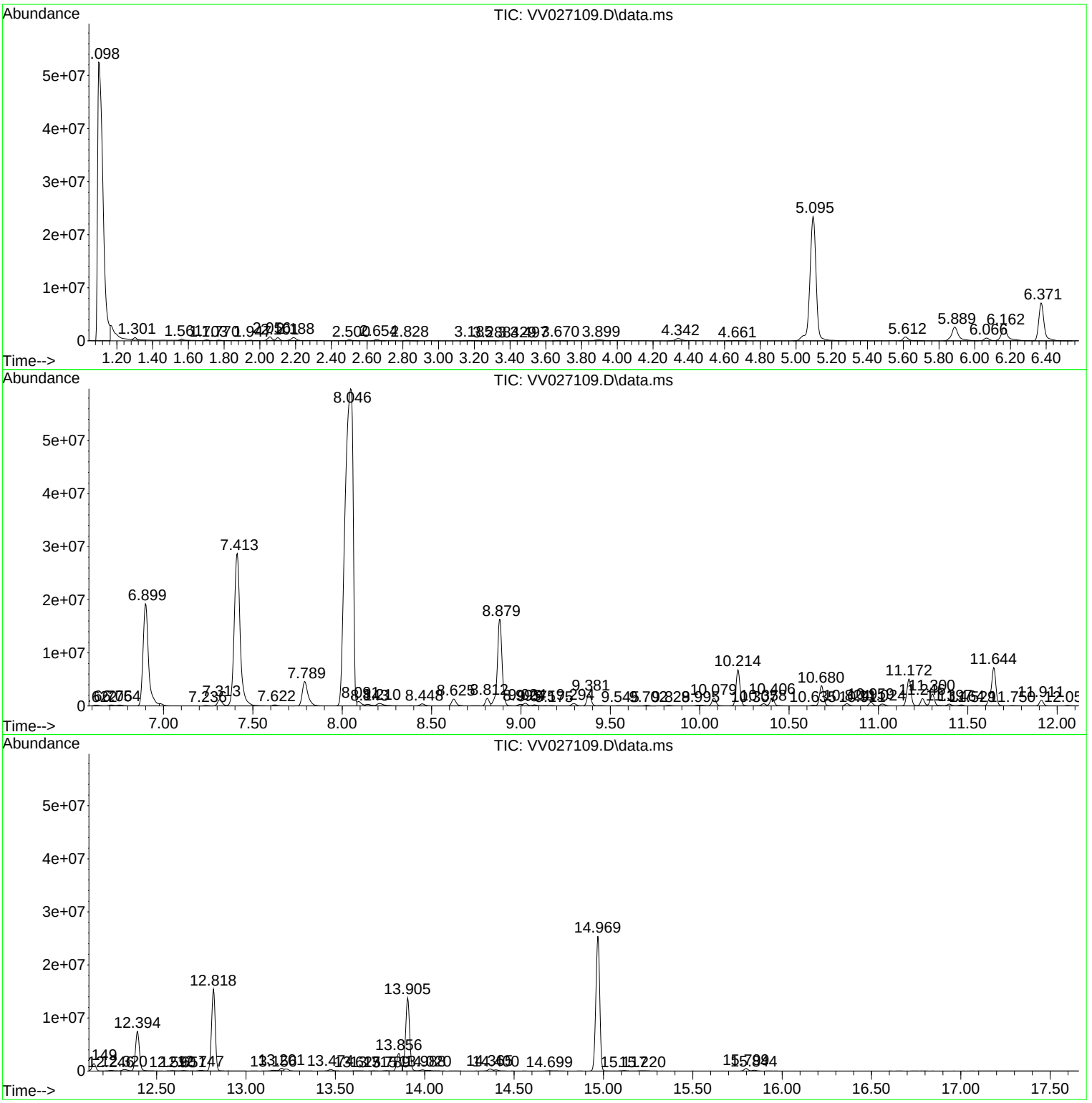
Sum of corrected areas: 713658349

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

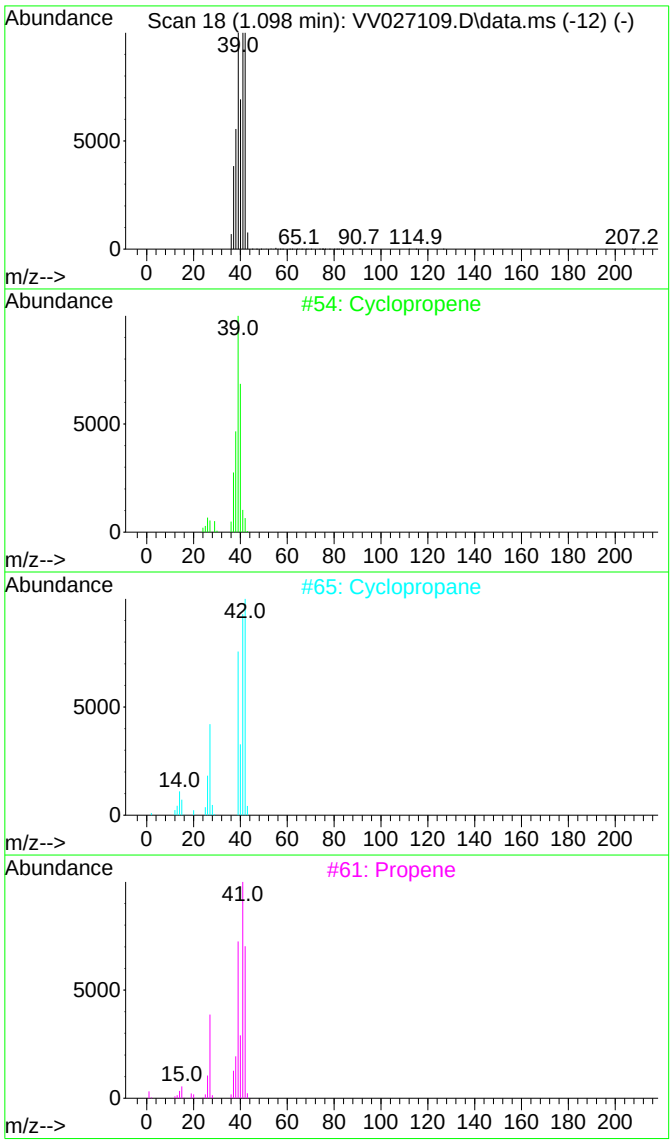
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

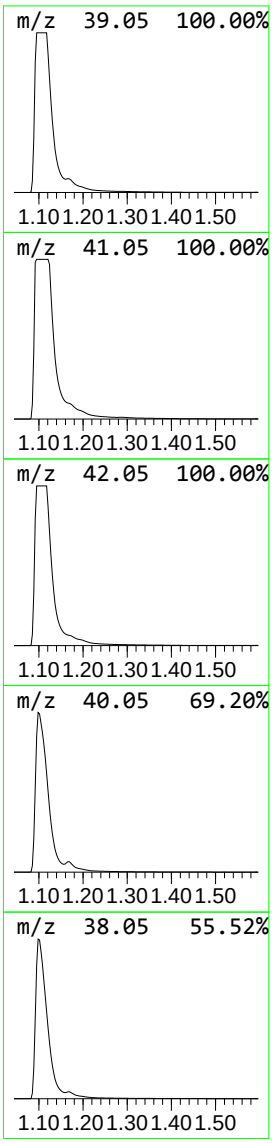
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclopropene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.098	3748.21 ug/L	108929000	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropene	40	C3H4	002781-85-3	80
2	Cyclopropane	42	C3H6	000075-19-4	37
3	Propene	42	C3H6	000115-07-1	9
4	Allene	40	C3H4	000463-49-0	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

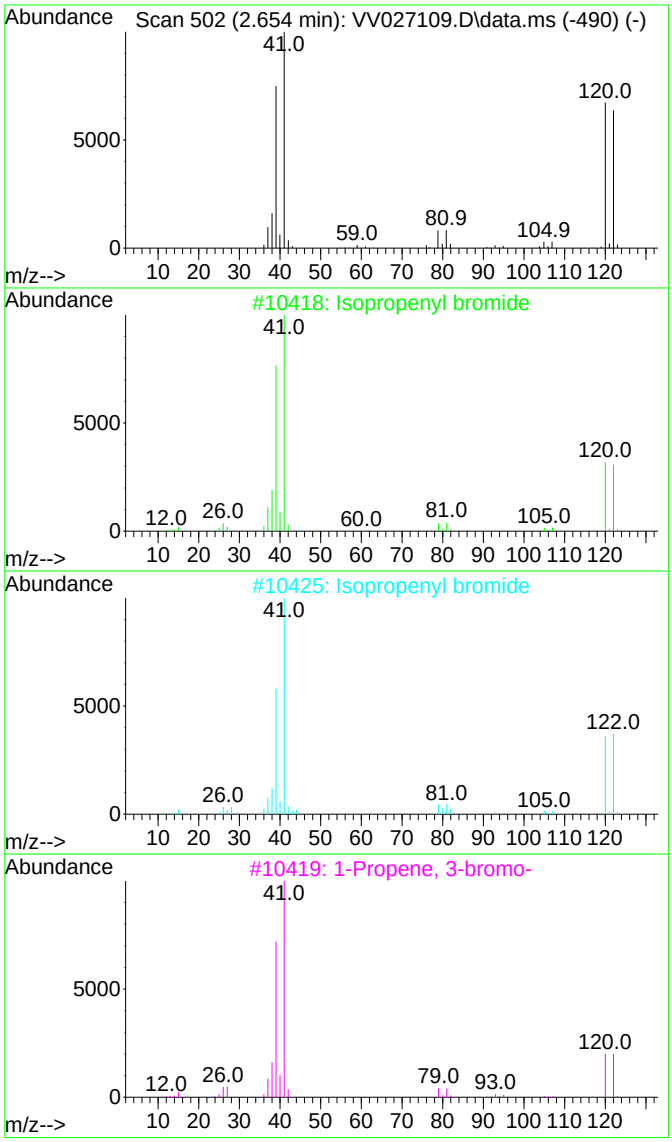
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

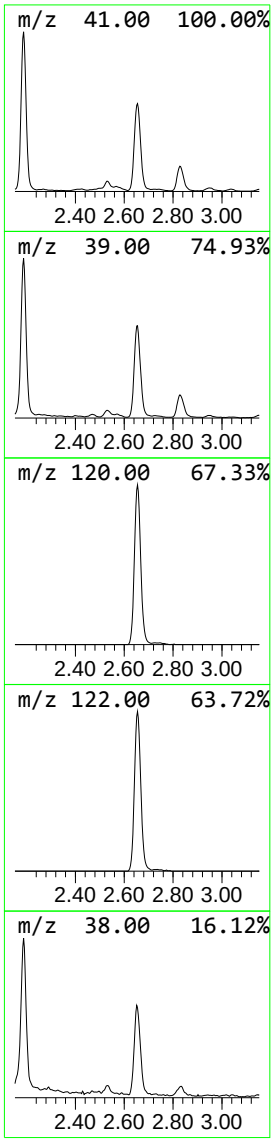
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Isopropenyl bromide Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.654	14.24 ug/L	413706	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropenyl bromide	120	C3H5Br	000557-93-7	91
2	Isopropenyl bromide	120	C3H5Br	000557-93-7	91
3	1-Propene, 3-bromo-	120	C3H5Br	000106-95-6	90
4	Cyclopropyl bromide	120	C3H5Br	004333-56-6	90
5	Isopropenyl bromide	120	C3H5Br	000557-93-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

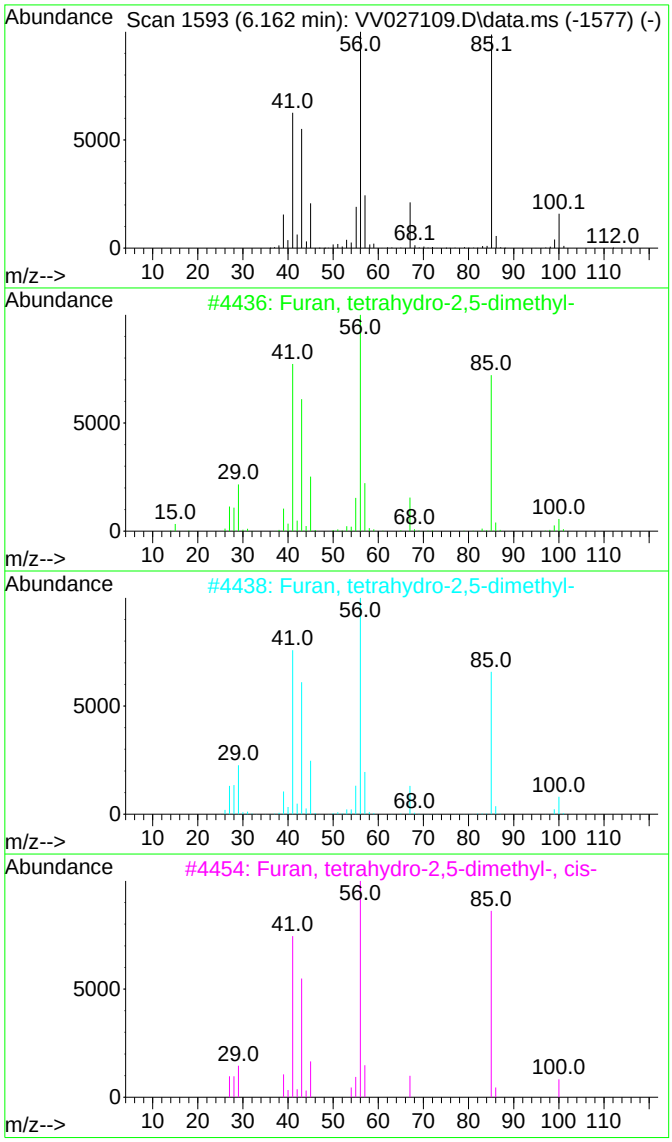
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

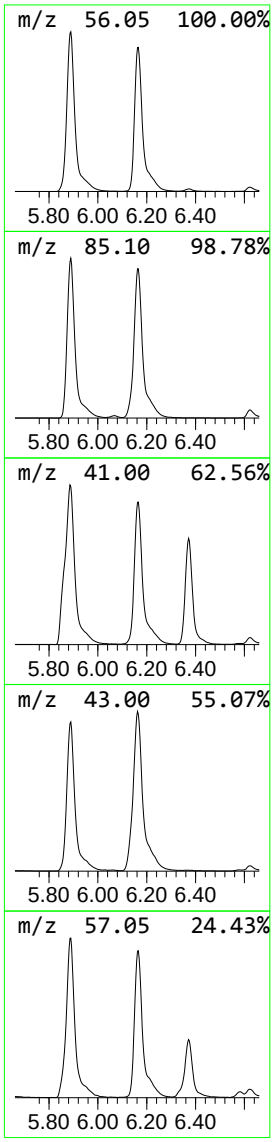
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Furan, tetrahydro-2,5-dimet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.162	215.63 ug/L	6266490	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	91
2	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	91
3	Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	86
4	Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	038484-59-2	72
5	2(3H)-Furanone, dihydro-5-methyl-	100	C5H8O2	000108-29-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

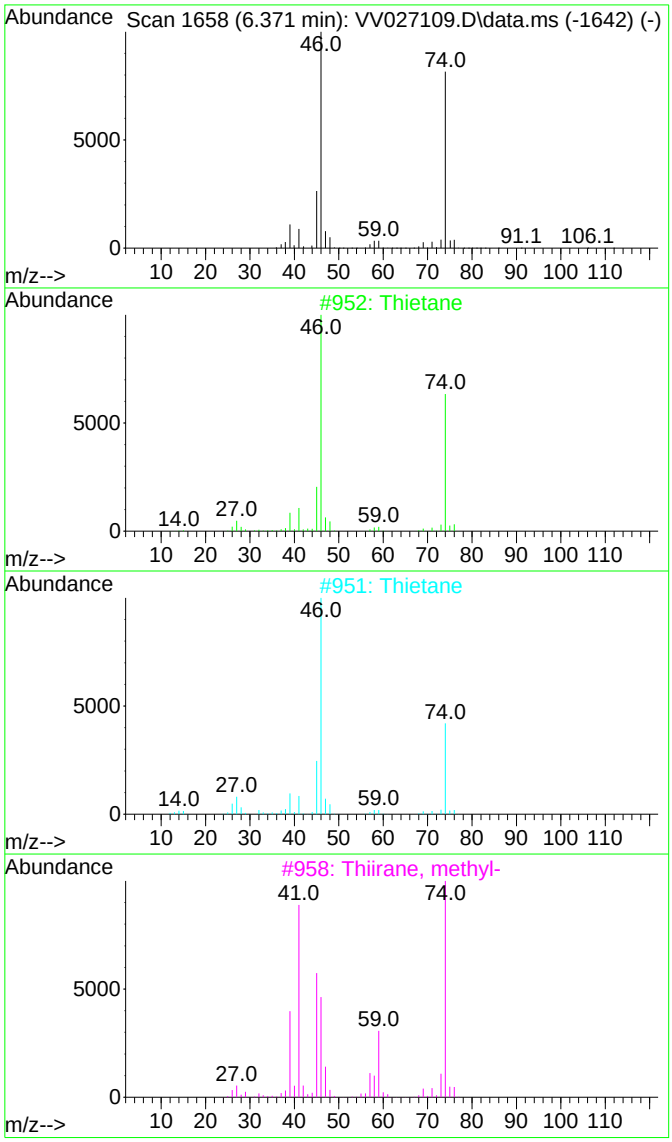
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

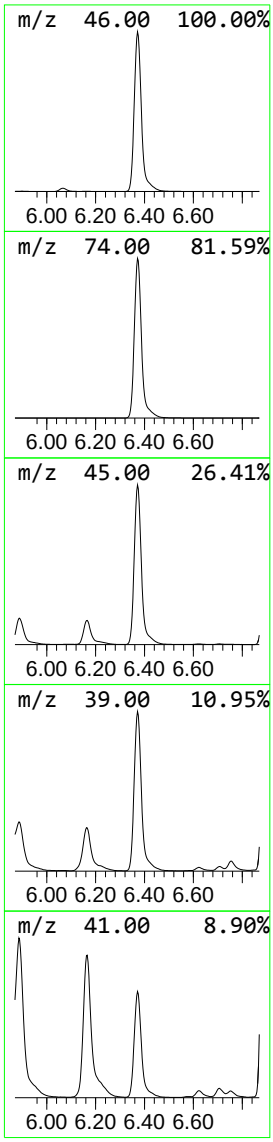
****

Peak Number 9 Thietane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.371	508.17 ug/L	14768100	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thietane	74	C3H6S	000287-27-4	91
2	Thietane	74	C3H6S	000287-27-4	90
3	Thiirane, methyl-	74	C3H6S	001072-43-1	9
4	Nitroisobutanetriol trinitrate	286	C4H6N4O11	020820-44-4	9
5	1,3-Propanediol, 2-methyl-2-nitr...	225	C4H7N3O8	004055-94-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

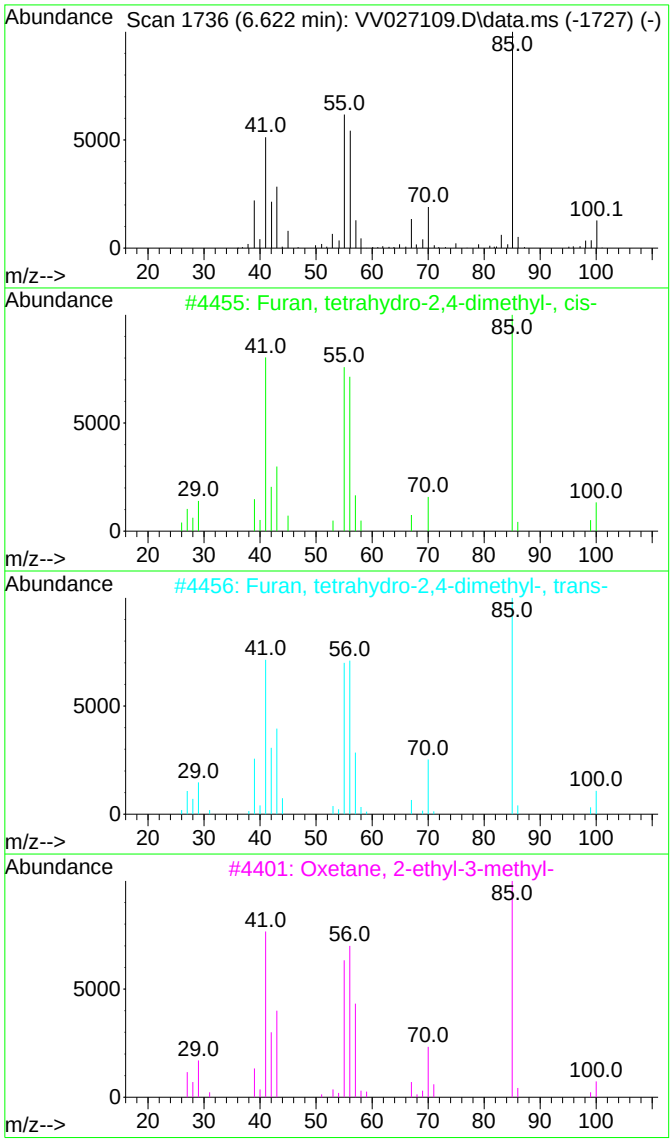
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

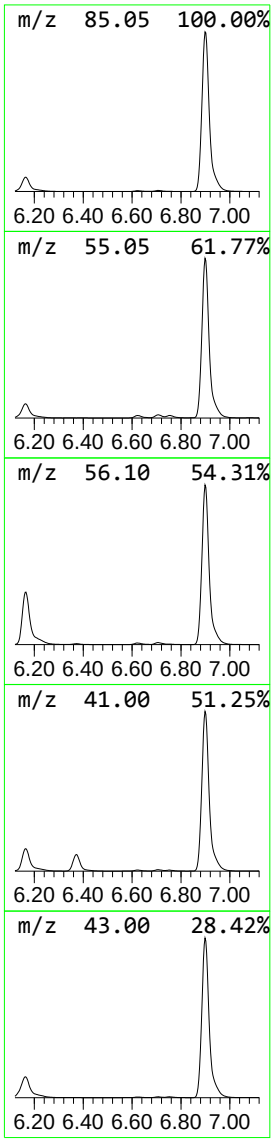
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Furan, tetrahydro-2,4-dimet... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.622	8.18 ug/L	237711	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-01-9	90
2	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-02-0	90
3	Oxetane, 2-ethyl-3-methyl-	100	C6H12O	053778-62-4	86
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	64
5	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	64





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Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

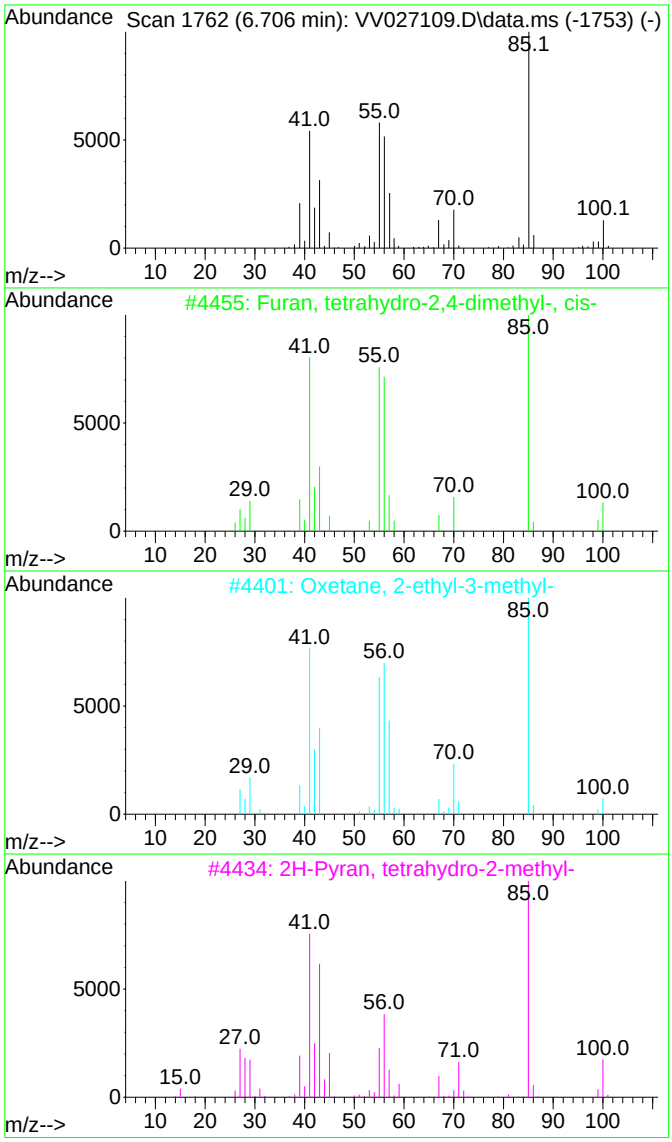
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

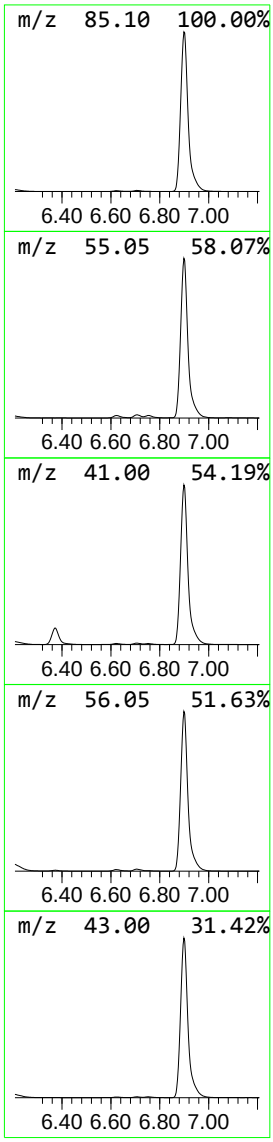
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Oxetane, 2-ethyl-3-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.706	9.71 ug/L	282237	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-01-9	91
2	Oxetane, 2-ethyl-3-methyl-	100	C6H12O	053778-62-4	78
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	64
4	Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	64
5	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-02-0	62





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Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

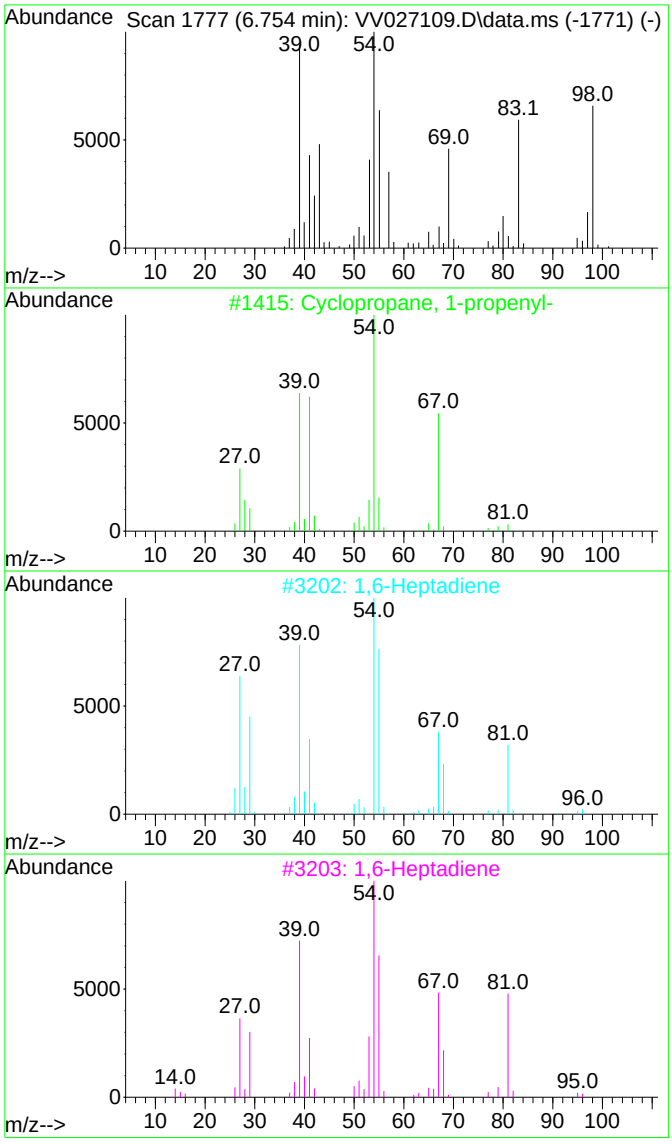
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

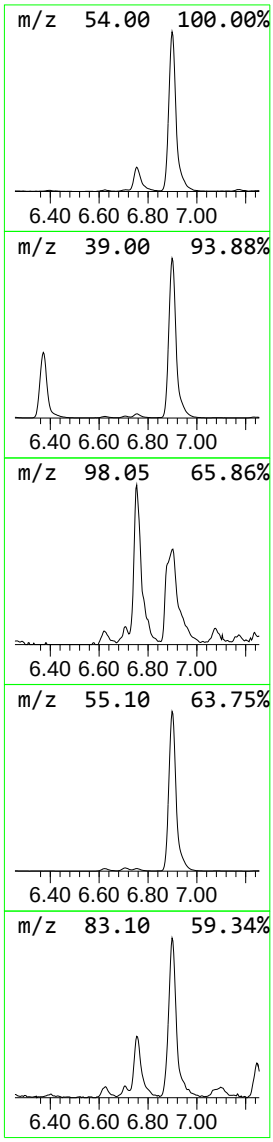
****

Peak Number 12 Cyclopropane, 1-propenyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.754	11.51 ug/L	334484	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-propenyl-	82	C6H10	004663-21-2	58
2	1,6-Heptadiene	96	C7H12	003070-53-9	58
3	1,6-Heptadiene	96	C7H12	003070-53-9	56
4	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	47
5	1H-Pyrrole-2,5-dione	97	C4H3NO2	000541-59-3	43





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Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

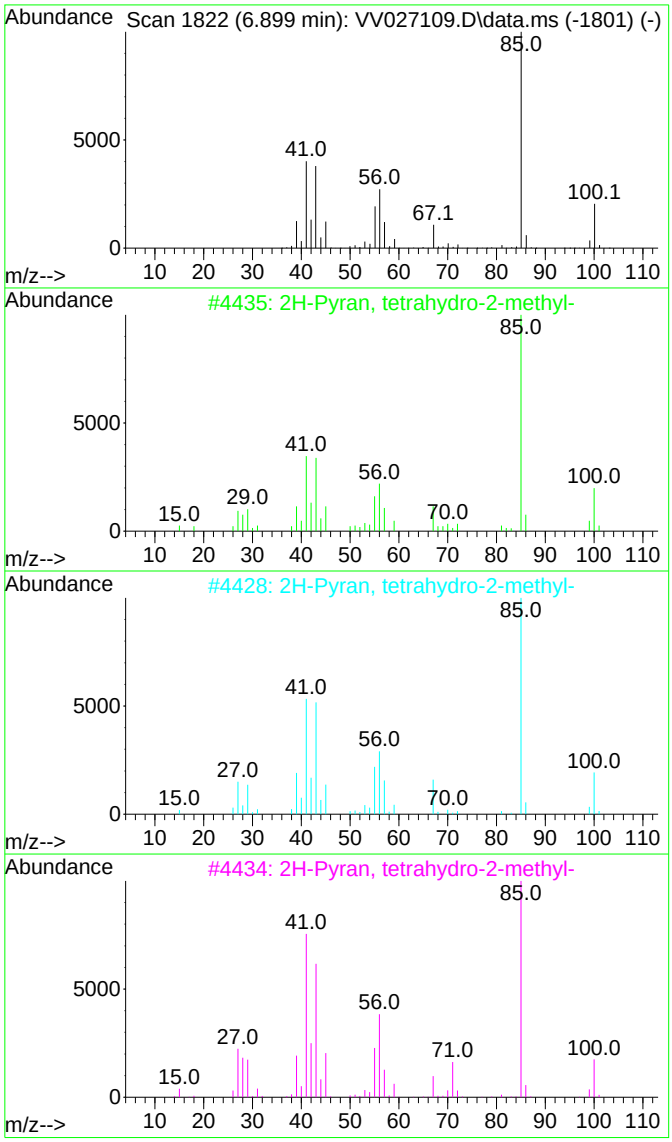
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

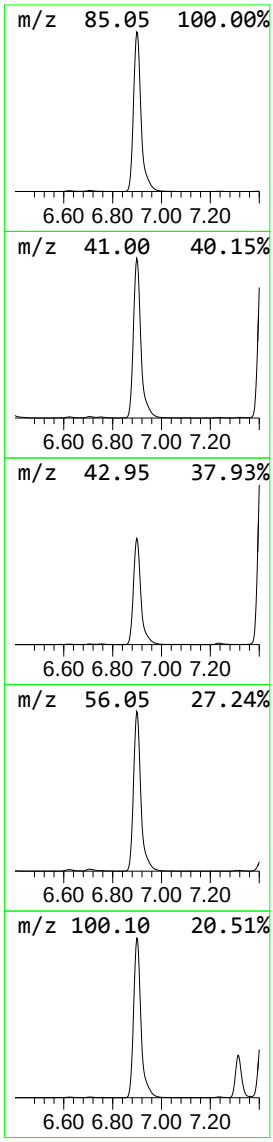
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.899	1406.96 ug/L	40888400	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	83
5	1-Methoxy-3-methyl-2-butene	100	C6H12O	022093-99-8	64





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Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

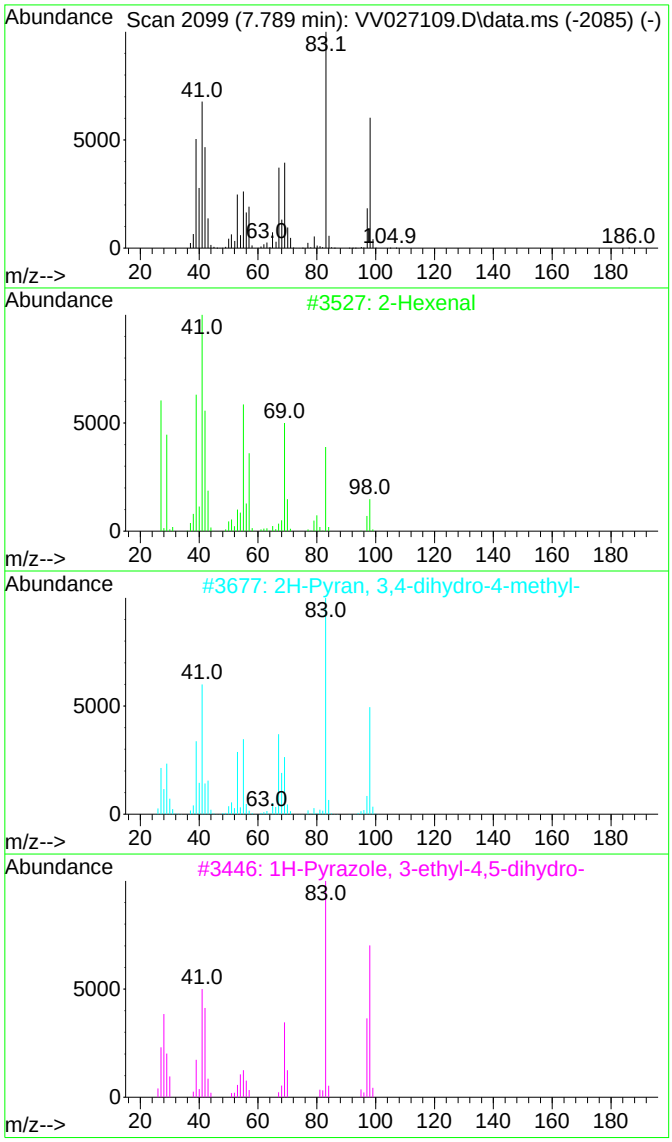
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

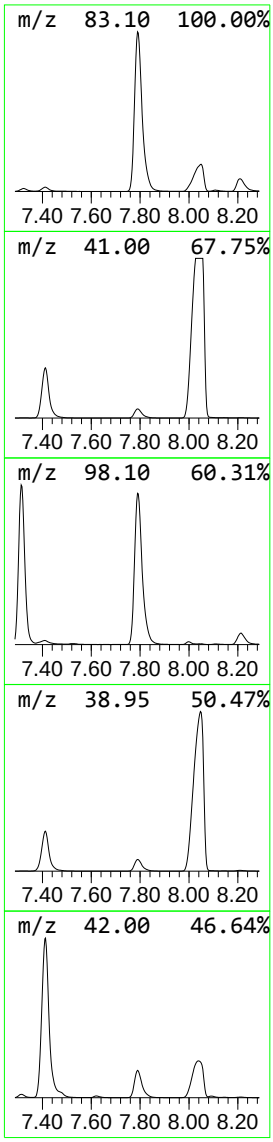
****

Peak Number 14 2-Hexenal Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.789	17.04 ug/L	10098900	Chlorobenzene-d5	8.853

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexenal	98	C6H10O	000505-57-7	64
2	2H-Pyran, 3,4-dihydro-4-methyl-	98	C6H10O	002270-61-3	53
3	1H-Pyrazole, 3-ethyl-4,5-dihydro-	98	C5H10N2	005920-29-6	52
4	1H-Pyrazole, 3-ethyl-4,5-dihydro-	98	C5H10N2	005920-29-6	52
5	4,4-Dimethyl-2-imidazoline	98	C5H10N2	002305-59-1	52





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Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

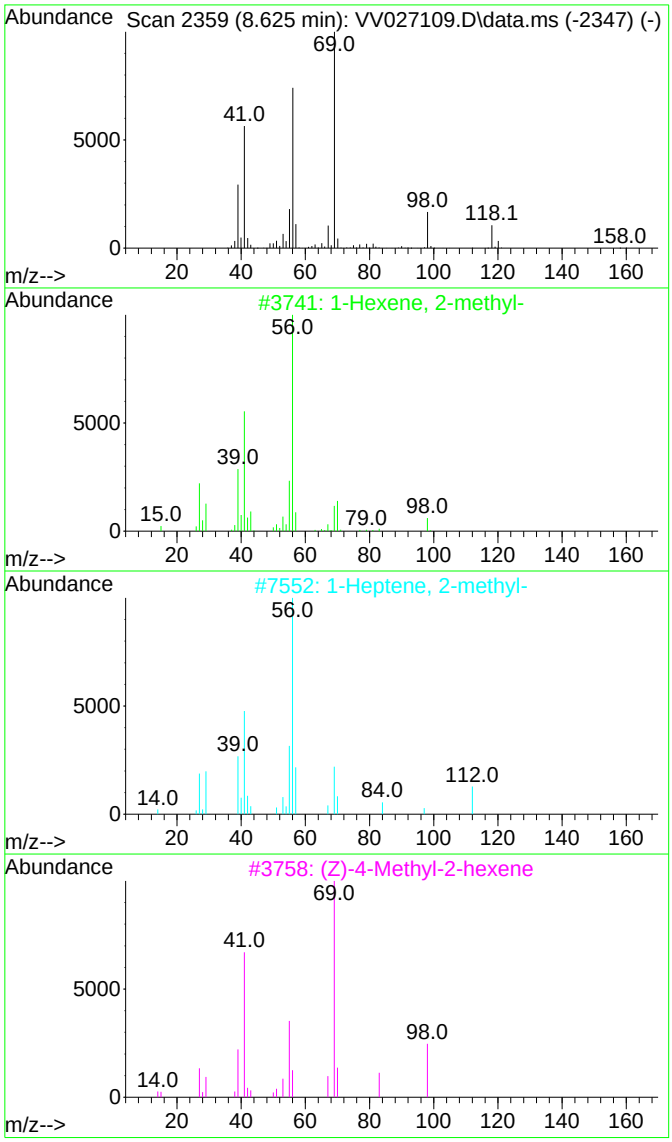
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

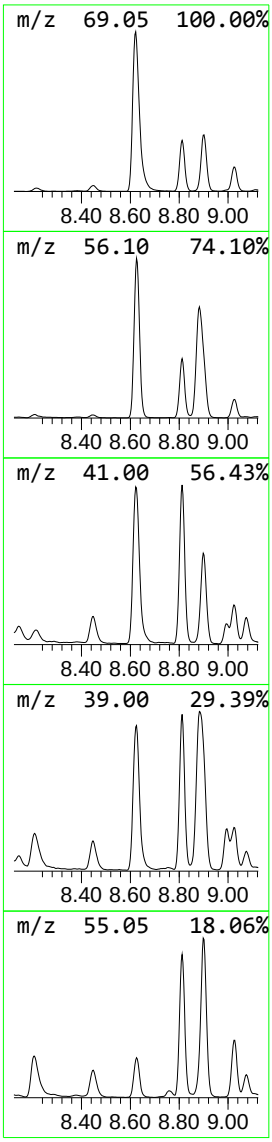
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.625	3.94 ug/L	2334540	Chlorobenzene-d5	8.853

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	43
2	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	38
3	(Z)-4-Methyl-2-hexene	98	C7H14	003683-19-0	38
4	2-Hexene, 4-methyl-, (E)-	98	C7H14	003683-22-5	38
5	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	38





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Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

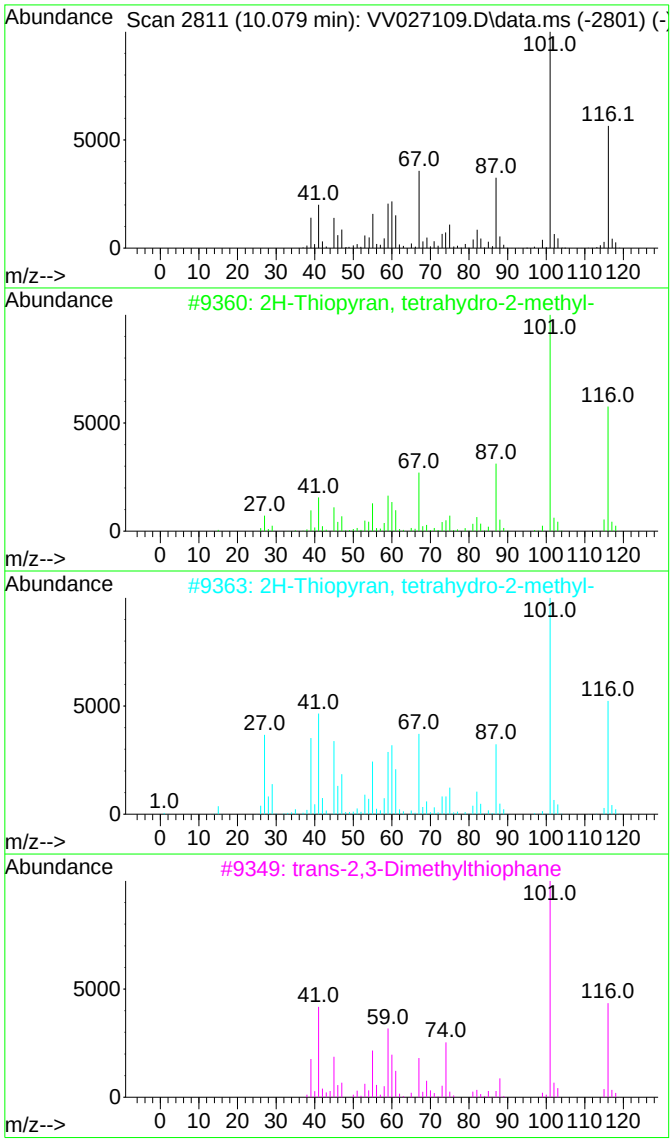
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

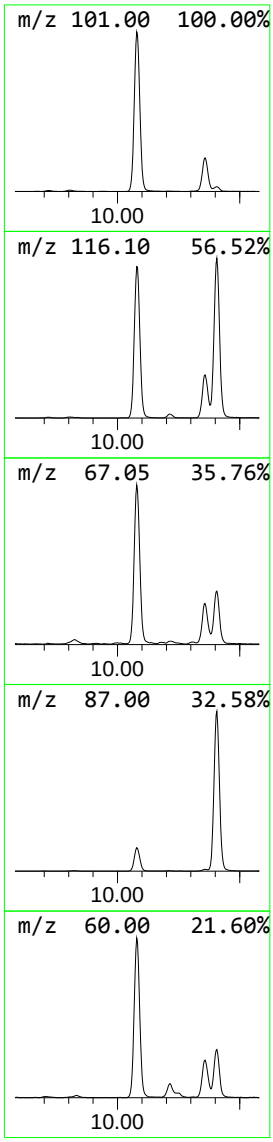
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2H-Thiopyran, tetrahydro-2-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.079	57.37 ug/L	2383610	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	96
2	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	95
3	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	90
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	87
5	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	83





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Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

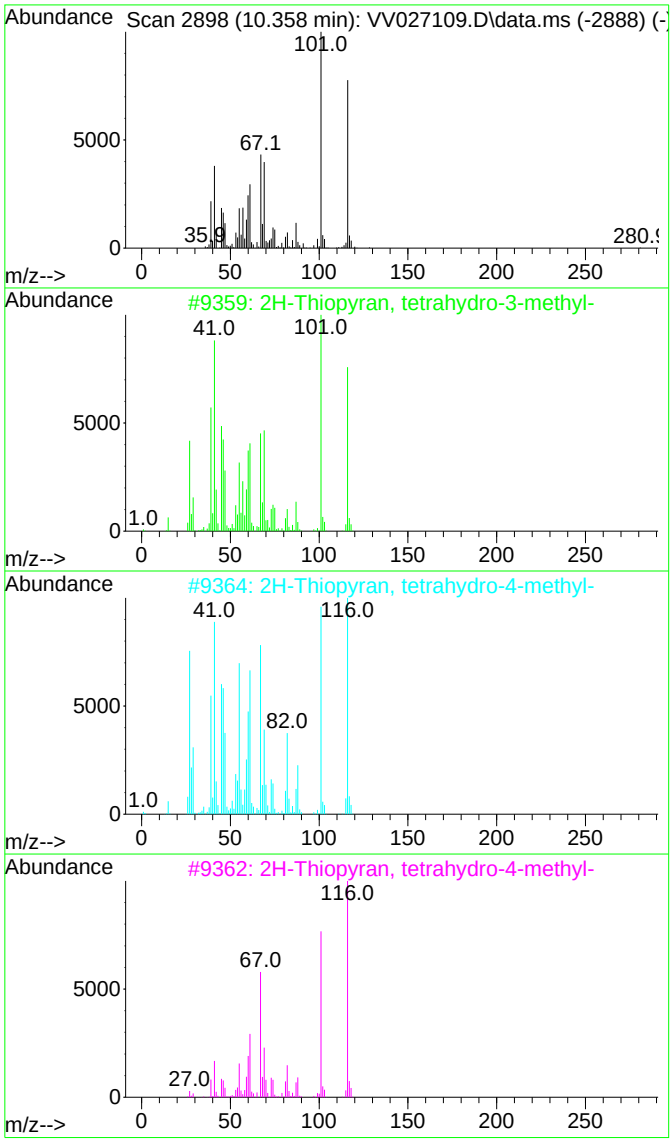
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

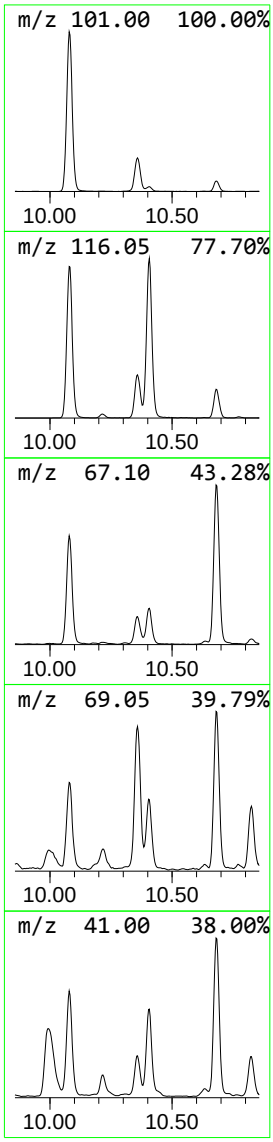
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 2H-Thiopyran, tetrahydro-3-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.358	16.62 ug/L	690631	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-3-methyl-	116	C6H12S	005258-50-4	94
2	2H-Thiopyran, tetrahydro-4-methyl-	116	C6H12S	005161-17-1	94
3	2H-Thiopyran, tetrahydro-4-methyl-	116	C6H12S	005161-17-1	64
4	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	59
5	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	59





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Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

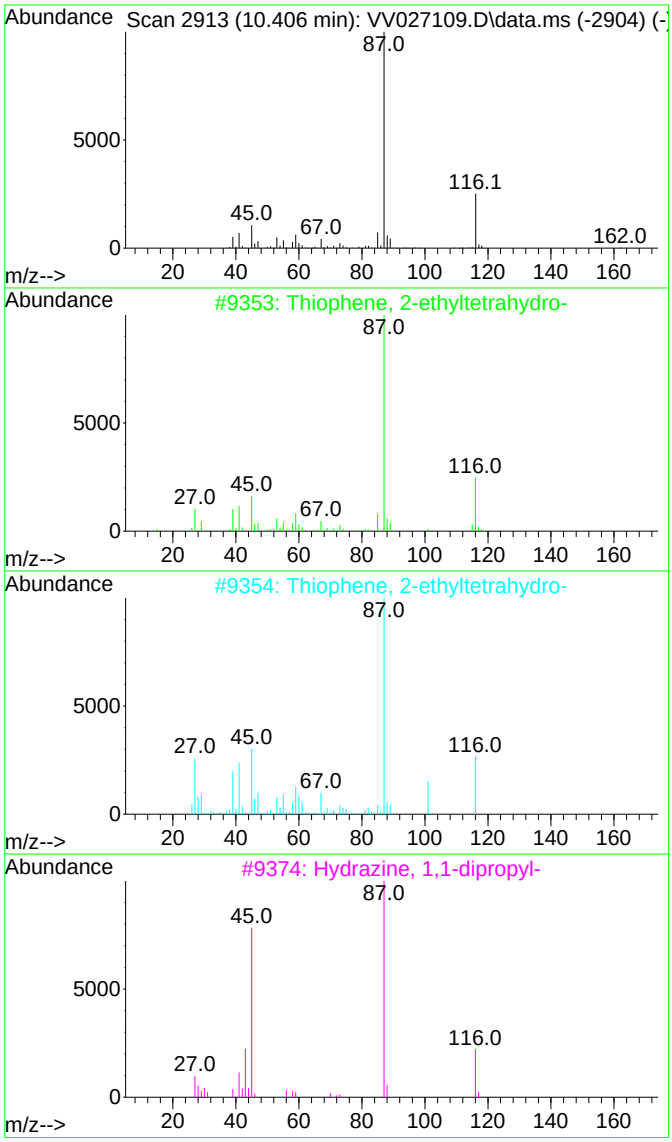
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

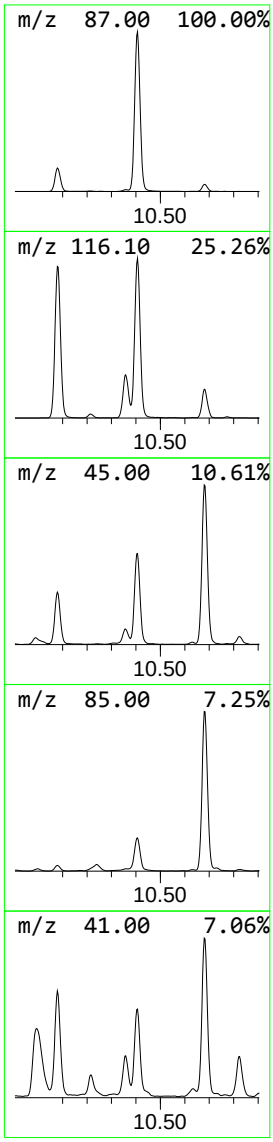
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Thiophene, 2-ethyltetrahydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.406	60.15 ug/L	2498850	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	91
2	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	64
3	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	64
4	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	50
5	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	45





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Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

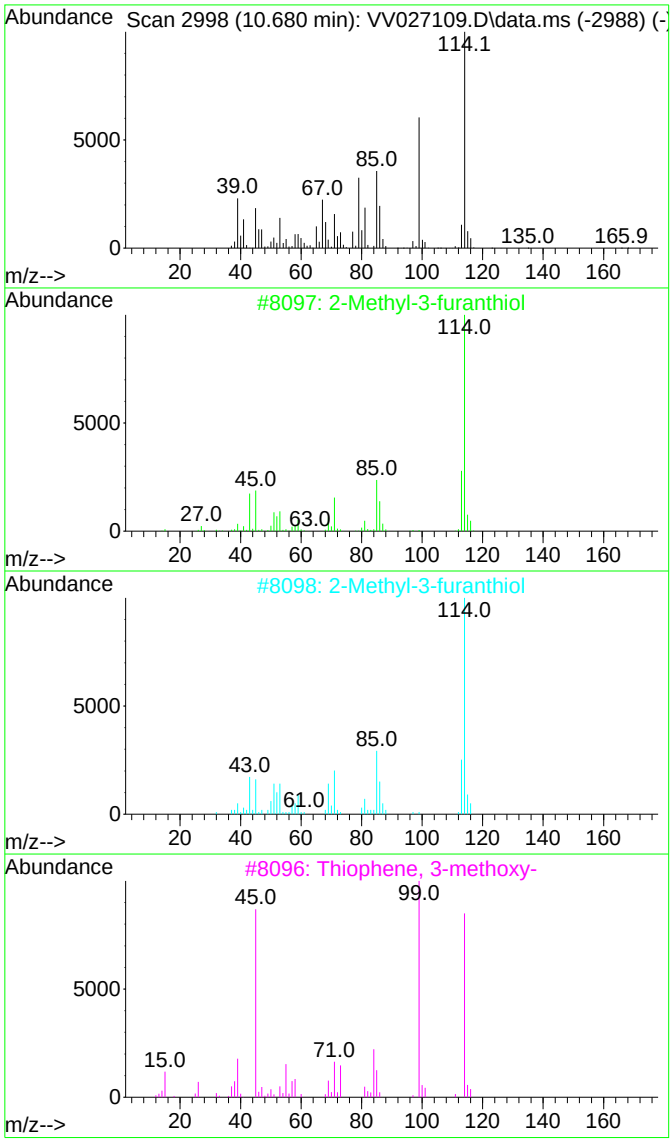
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

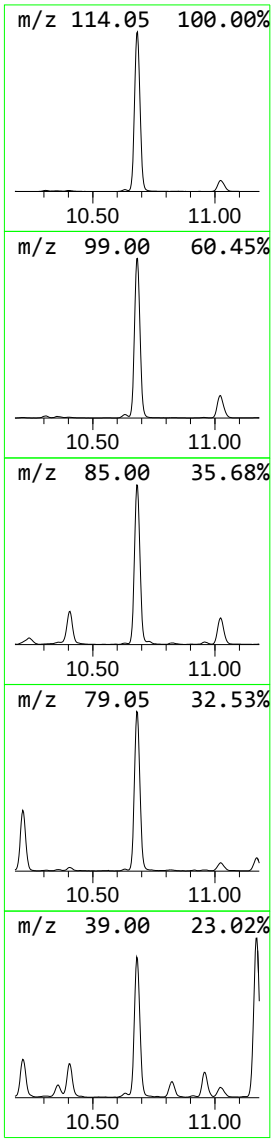
****

Peak Number 21 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	144.36 ug/L	5997560	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	49
2	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	43
3	Thiophene, 3-methoxy-	114	C5H6OS	017573-92-1	43
4	Butanal, ethylhydrazone	114	C6H14N2	051576-30-8	43
5	Thiophene-3,4-diamine	114	C4H6N2S	078637-85-1	38





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Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

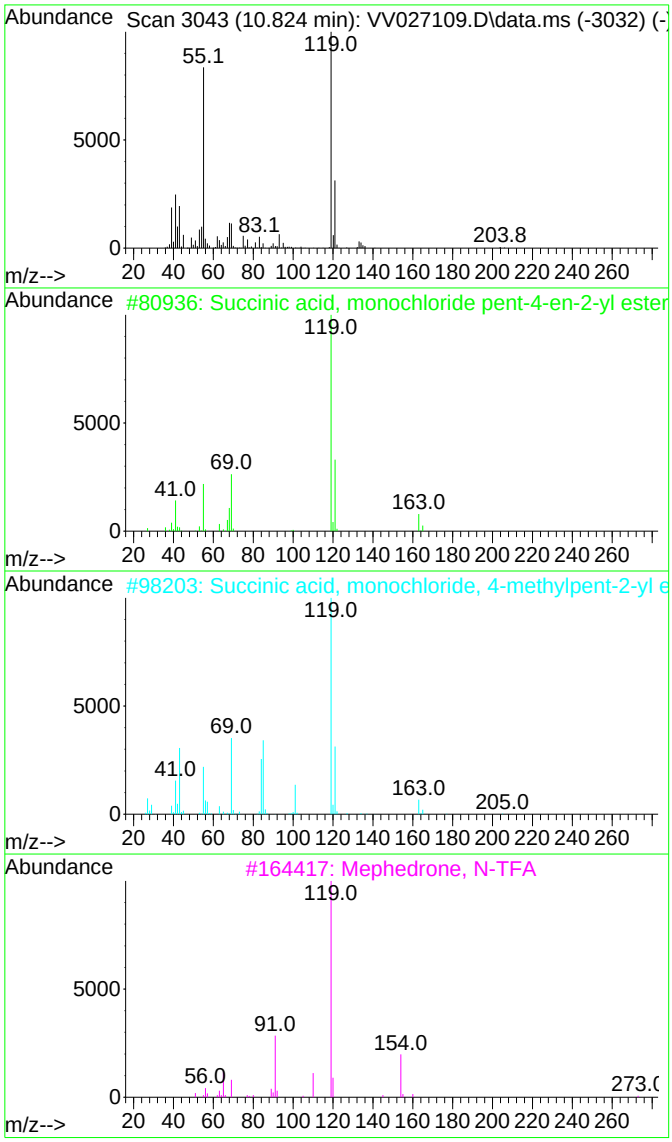
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

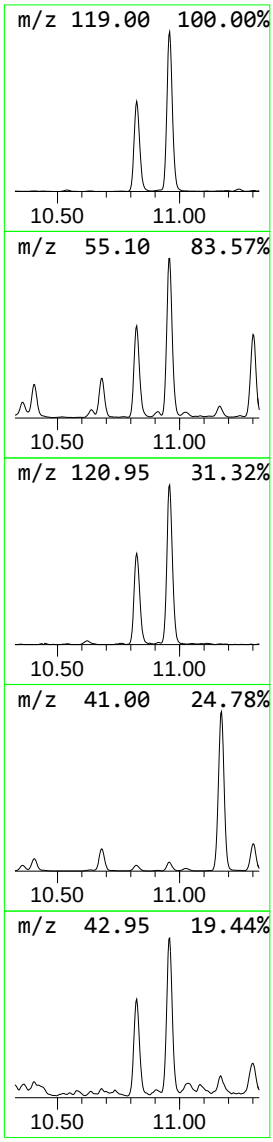
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Succinic acid, monochloride... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.825	16.52 ug/L	686172	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Succinic acid, monochloride pent...	204	C9H13ClO3	1000353-45-9	50
2	Succinic acid, monochloride, 4-m...	220	C10H17ClO3	1000349-24-0	40
3	Mephedrone, N-TFA	273	C13H14F3NO2	1000448-68-3	38
4	N-(1,3-Dimethyl-2,4,6-trioxo-5-t...	396	C17H15F3N4O4	1000300-42-6	37
5	o-Toluic acid, 2-methylphenyl ester	226	C15H14O2	023597-23-1	37





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Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

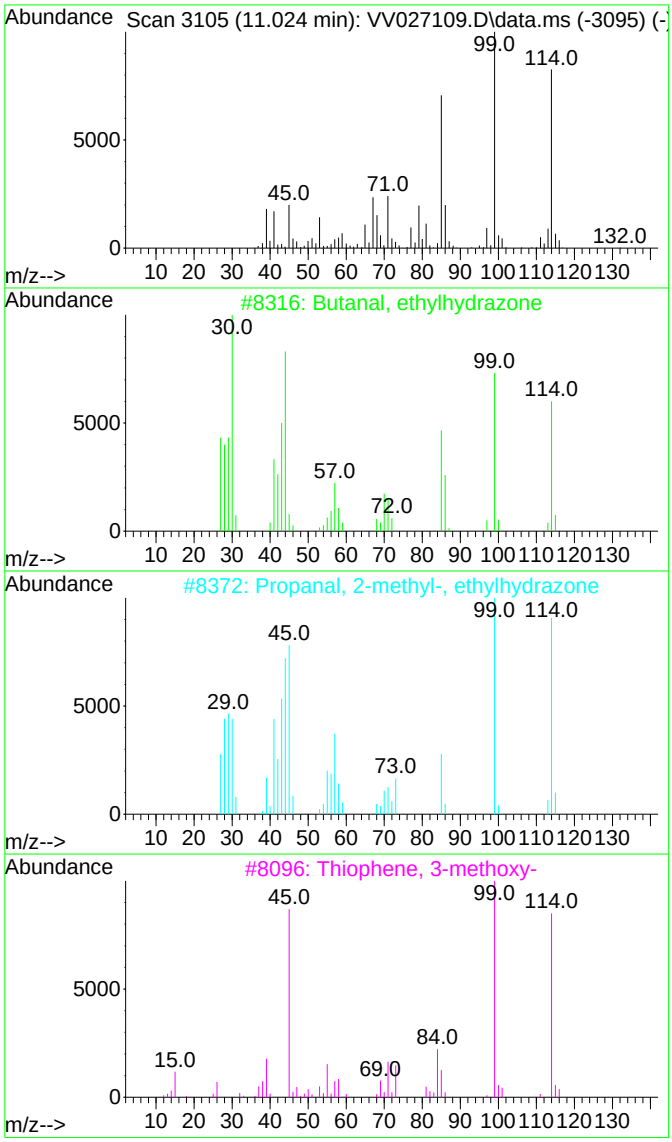
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

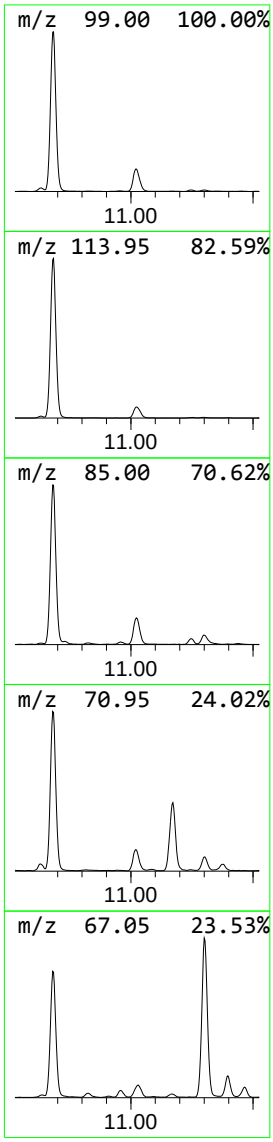
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Butanal, ethylhydrazone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.024	15.64 ug/L	649633	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, ethylhydrazone	114	C6H14N2	051576-30-8	68
2	Propanal, 2-methyl-, ethylhydrazone	114	C6H14N2	020607-77-6	50
3	Thiophene, 3-methoxy-	114	C5H6OS	017573-92-1	47
4	2-Methoxythiophene	114	C5H6OS	016839-97-7	47
5	1-(Methylthio)pent-1-yne	114	C6H10S	1000250-49-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

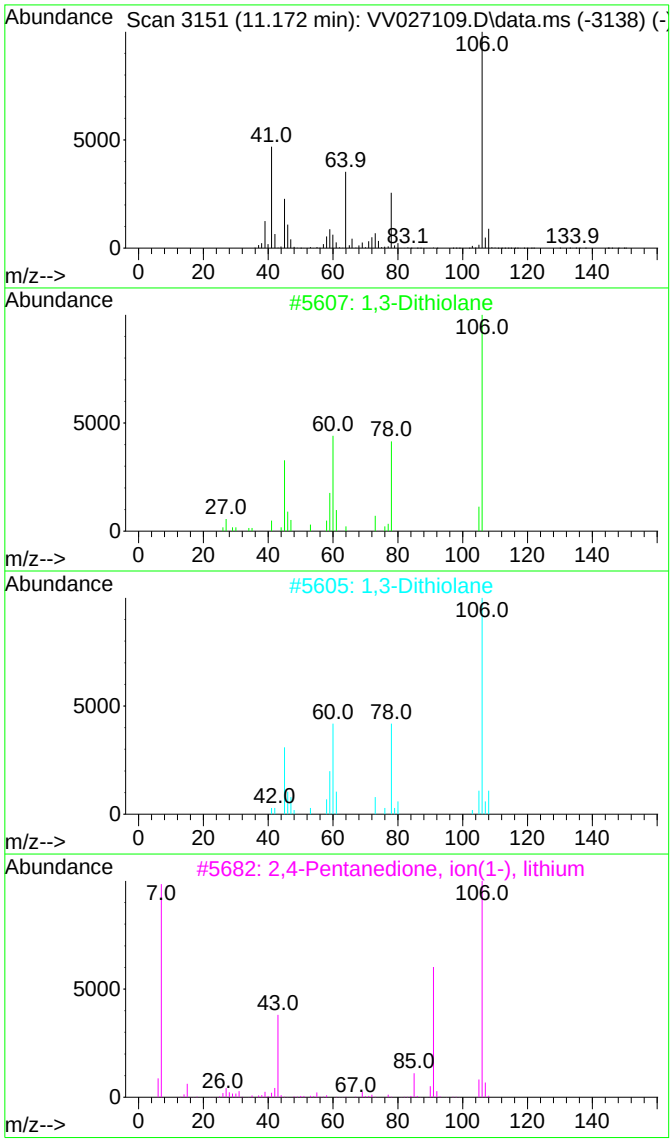
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

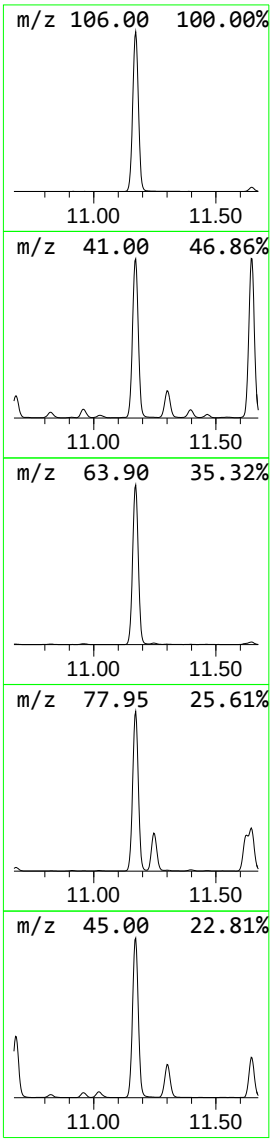
****

Peak Number 24 1,3-Dithiolane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.172	197.71 ug/L	8214130	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dithiolane	106	C3H6S2	004829-04-3	59
2	1,3-Dithiolane	106	C3H6S2	004829-04-3	35
3	2,4-Pentanedione, ion(1-), lithium	106	C5H7LiO2	018115-70-3	9
4	Carbonothioic dihydrazide	106	CH6N4S	002231-57-4	9
5	Carbonothioic dihydrazide	106	CH6N4S	002231-57-4	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

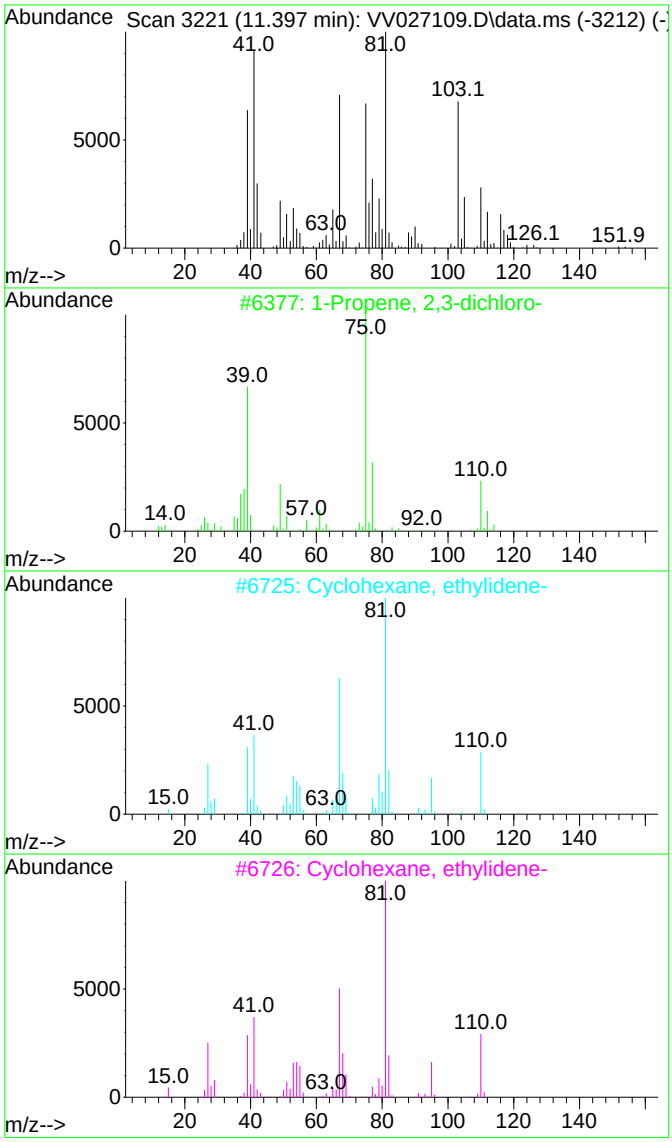
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

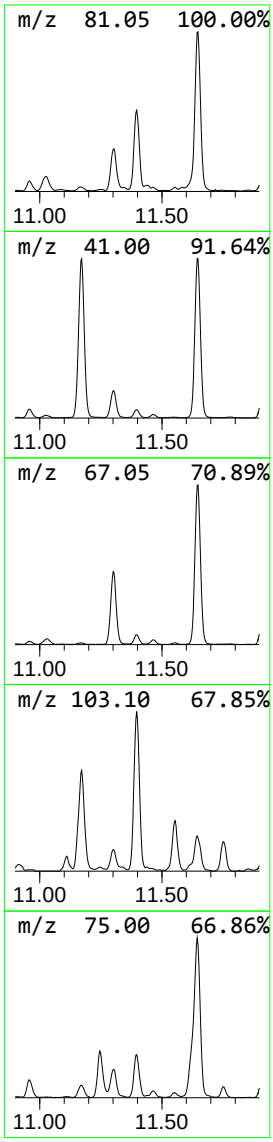
****

Peak Number 25 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.397	11.09 ug/L	460609	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2,3-dichloro-	110	C3H4Cl2	000078-88-6	27
2	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	25
3	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	22
4	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	18
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

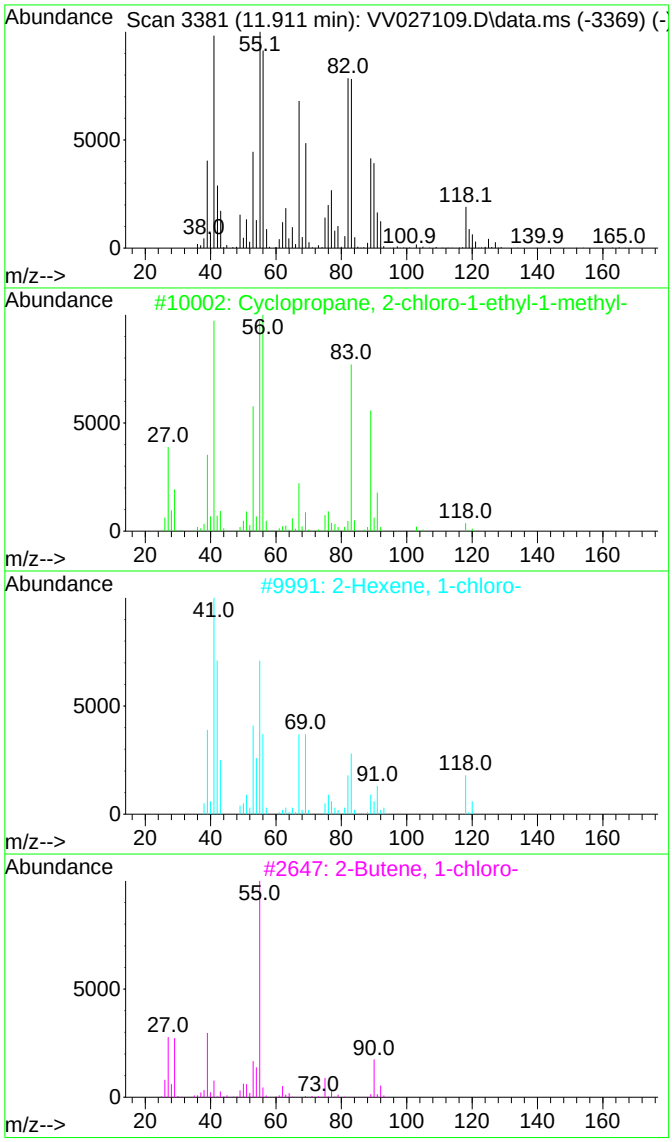
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

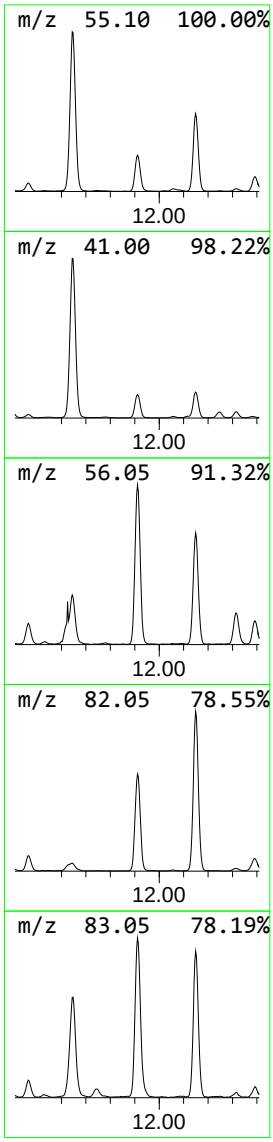
****

Peak Number 28 unknown-03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.911	39.95 ug/L	1659800	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 2-chloro-1-ethyl-1...	118	C6H11Cl	343926-09-0	47
2	2-Hexene, 1-chloro-	118	C6H11Cl	035911-16-1	38
3	2-Butene, 1-chloro-	90	C4H7Cl	000591-97-9	27
4	(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	067883-79-8	22
5	(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

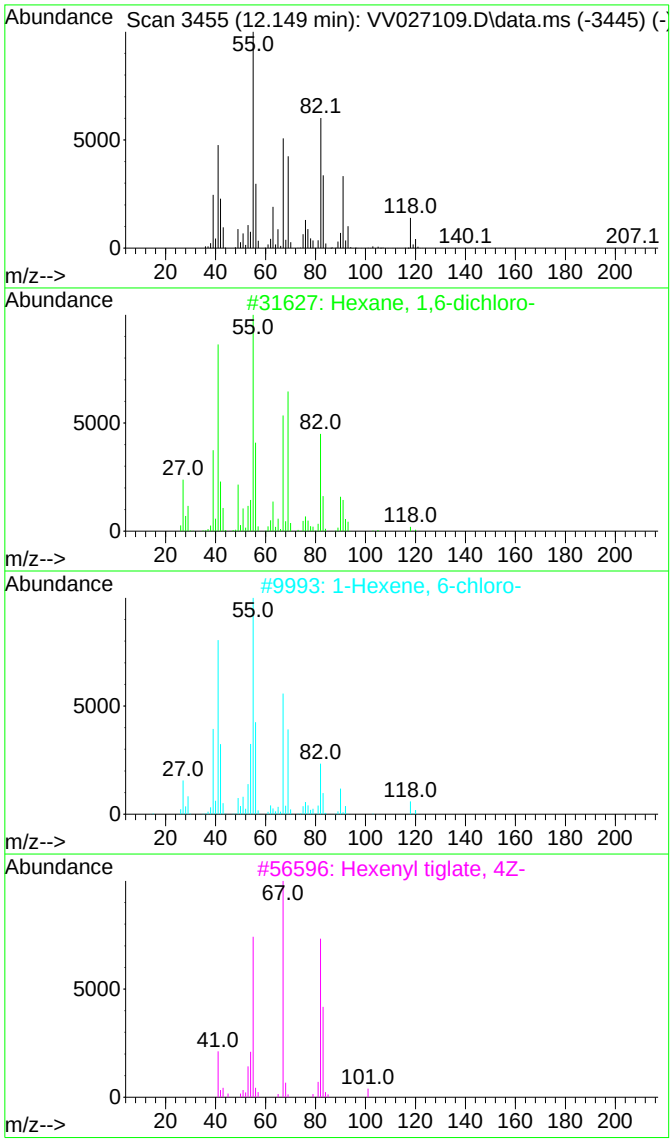
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

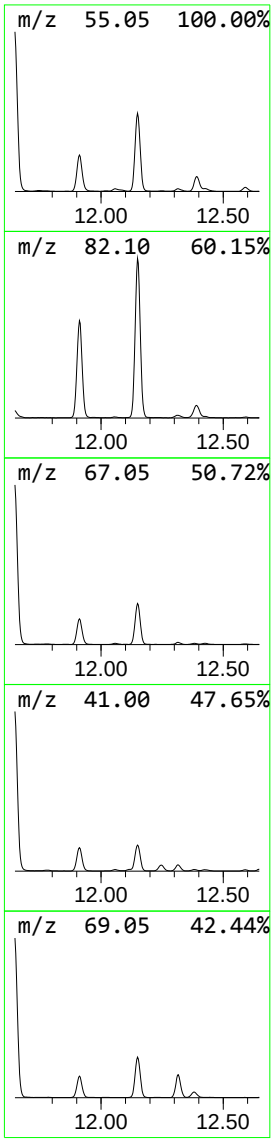
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Hexane, 1,6-dichloro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.149	49.57 ug/L	2059440	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	50
2	1-Hexene, 6-chloro-	118	C6H11Cl	000928-89-2	50
3	Hexenyl tiglate, 4Z-	182	C11H18O2	1000383-63-6	47
4	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	35
5	Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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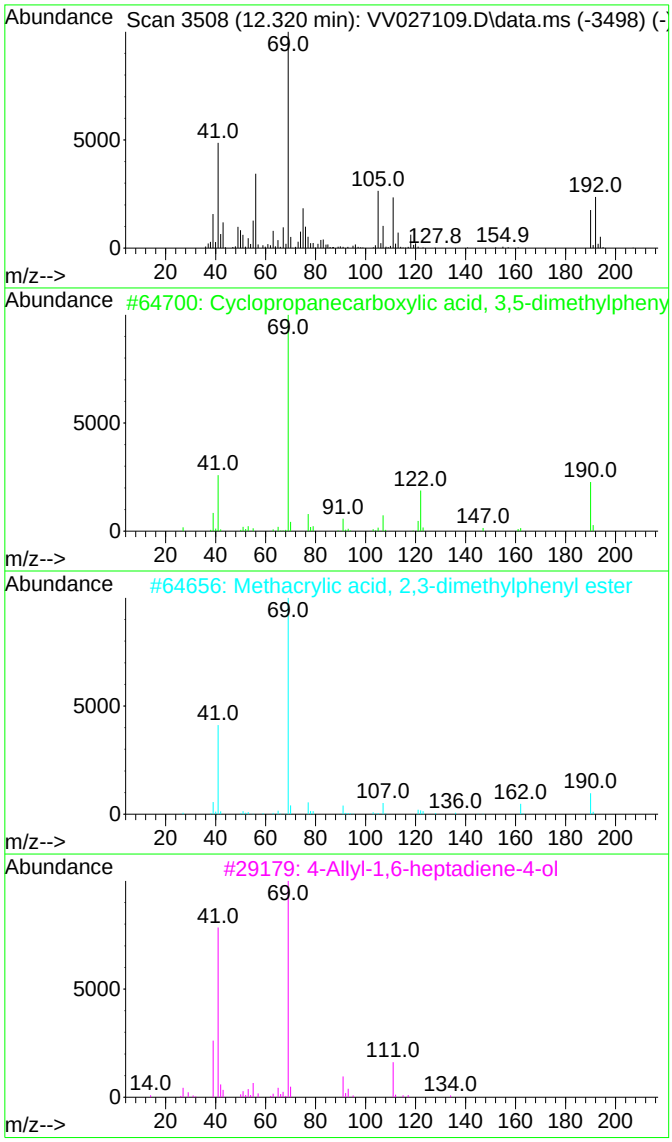
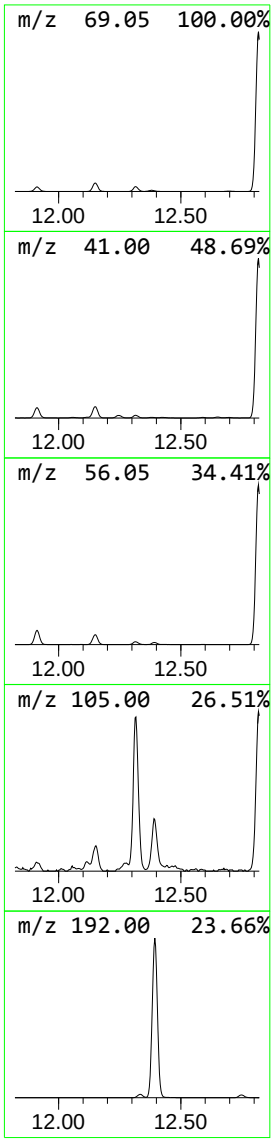
Peak Number 32 unknown-04 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.320	12.85 ug/L	534061	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxylic acid, 3,5...	190	C12H14O2	1000307-52-3	35
2	Methacrylic acid, 2,3-dimethylph...	190	C12H14O2	1000360-69-2	35
3	4-Allyl-1,6-heptadiene-4-ol	152	C10H16O	010202-75-2	35
4	4-Allyl-1,6-heptadiene-4-ol	152	C10H16O	010202-75-2	35
5	Cyclopentanecarboxylic acid, 2-b...	286	C12H12BrFO2	1010299-08-0	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

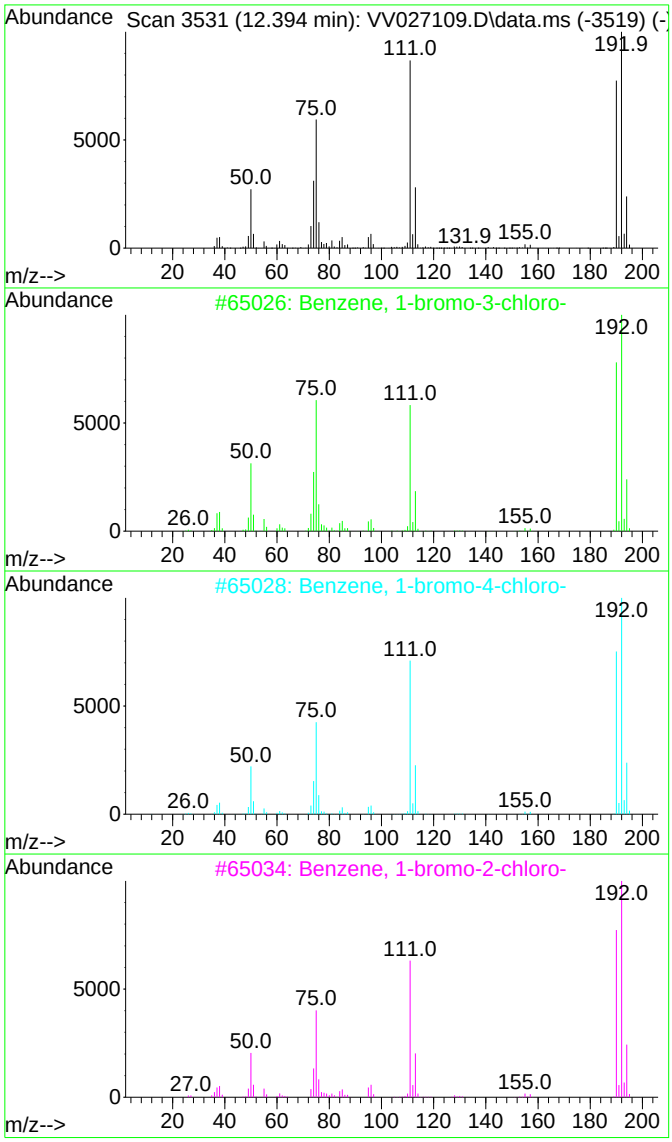
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

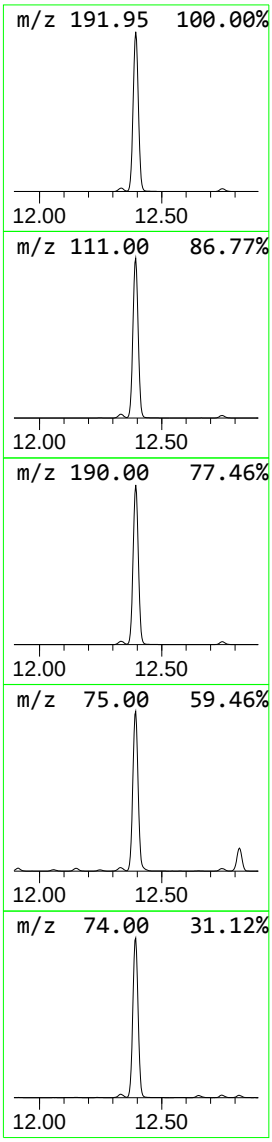
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-bromo-3-chloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.394	272.34 ug/L	11314700	1,4-Dichlorobenzene-d4	11.249

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-4-chloro-	190	C6H4BrCl	000106-39-8	98
3	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
5	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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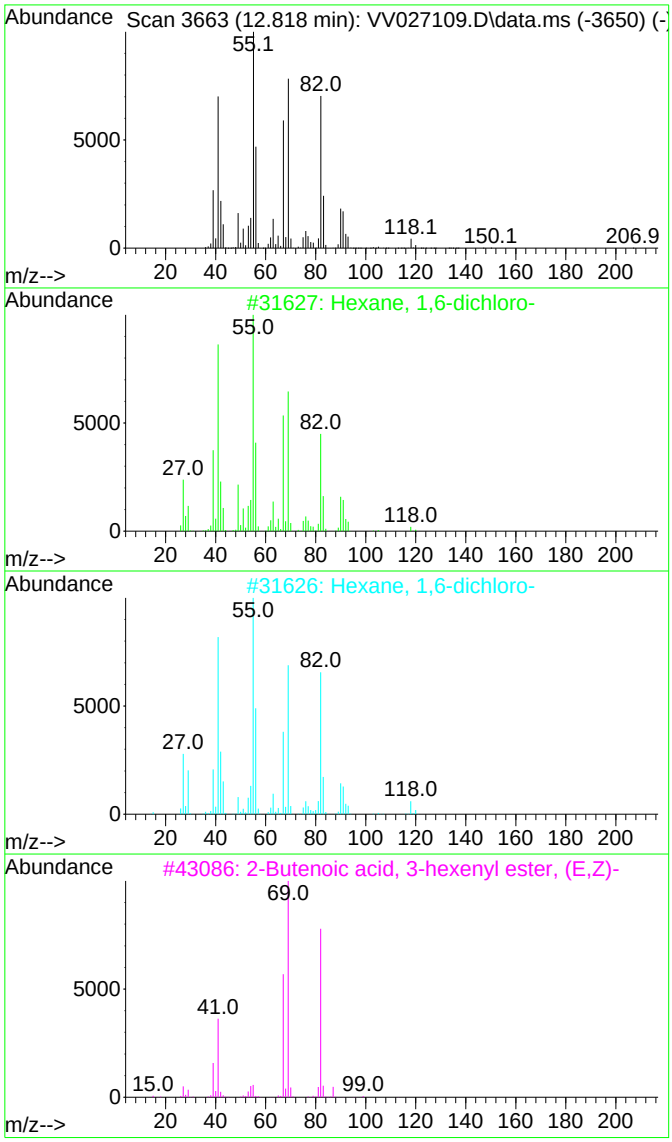
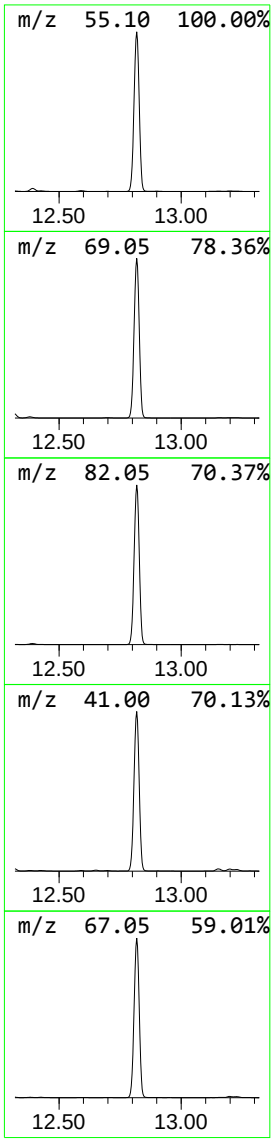
Peak Number 36 unknown-05 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.818	539.01 ug/L	22393600	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	83
2	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	72
3	2-Butenoic acid, 3-hexenyl ester...	168	C10H16O2	065405-80-3	47
4	cis-3-Hexenyl crotonate	168	C10H16O2	1000429-17-4	47
5	Chloroacetic acid, 6-chlorohexyl...	212	C8H14Cl2O2	1000330-85-5	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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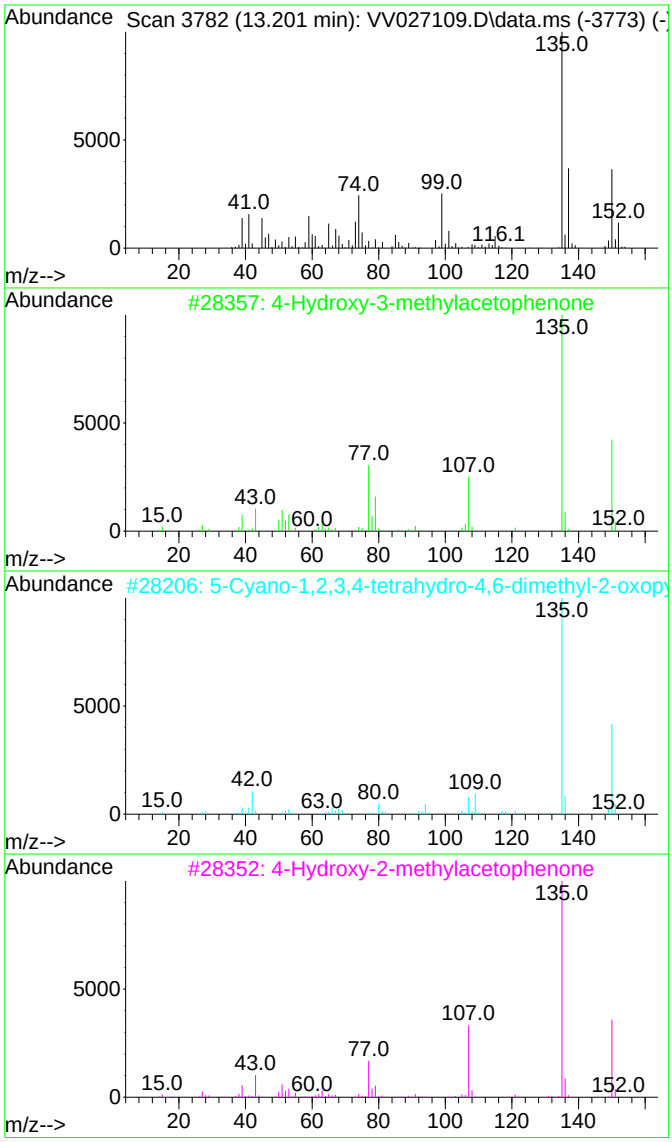
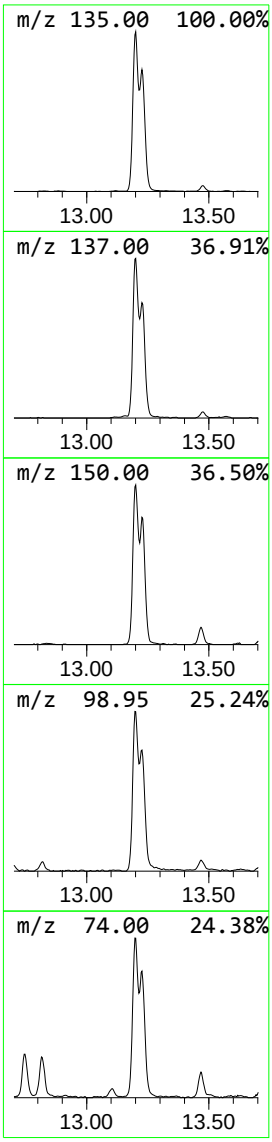
Peak Number 38 unknown-06 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.201	15.46 ug/L	642365	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3-methylacetophenone	150	C9H10O2	000876-02-8	38
2	5-Cyano-1,2,3,4-tetrahydro-4,6-d...	150	C8H10N2O	027036-93-7	38
3	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	38
4	4-Acetylanisole	150	C9H10O2	000100-06-1	38
5	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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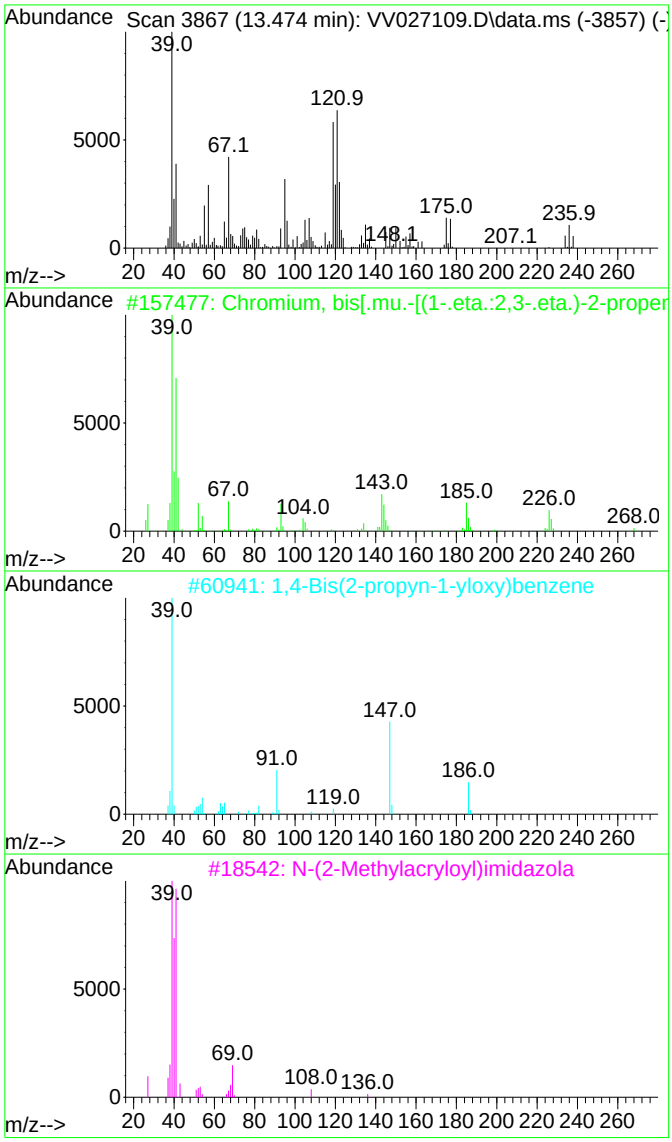
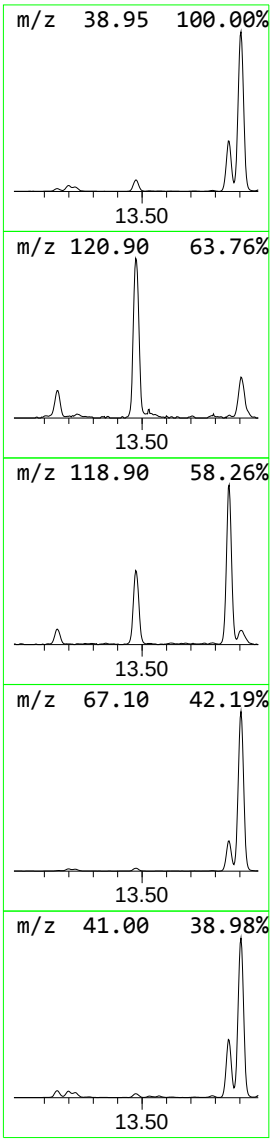
Peak Number 39 unknown-07 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.474	10.70 ug/L	444641	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chromium, bis[.mu.-[(1-.eta.:2,3...	268	C12H20Cr2	012295-17-9	40
2	1,4-Bis(2-propyn-1-yloxy)benzene	186	C12H10O2	034596-36-6	33
3	N-(2-Methylacryloyl)imidazola	136	C7H8N2O	054060-80-9	33
4	3,3,3-Trifluoro-N-(2-fluoropheny...	289	C10H6F7NO	304444-11-9	33
5	1H-1,2,4-triazol-3-amine, 5-[[(3...	234	C11H14N4S	1000401-07-4	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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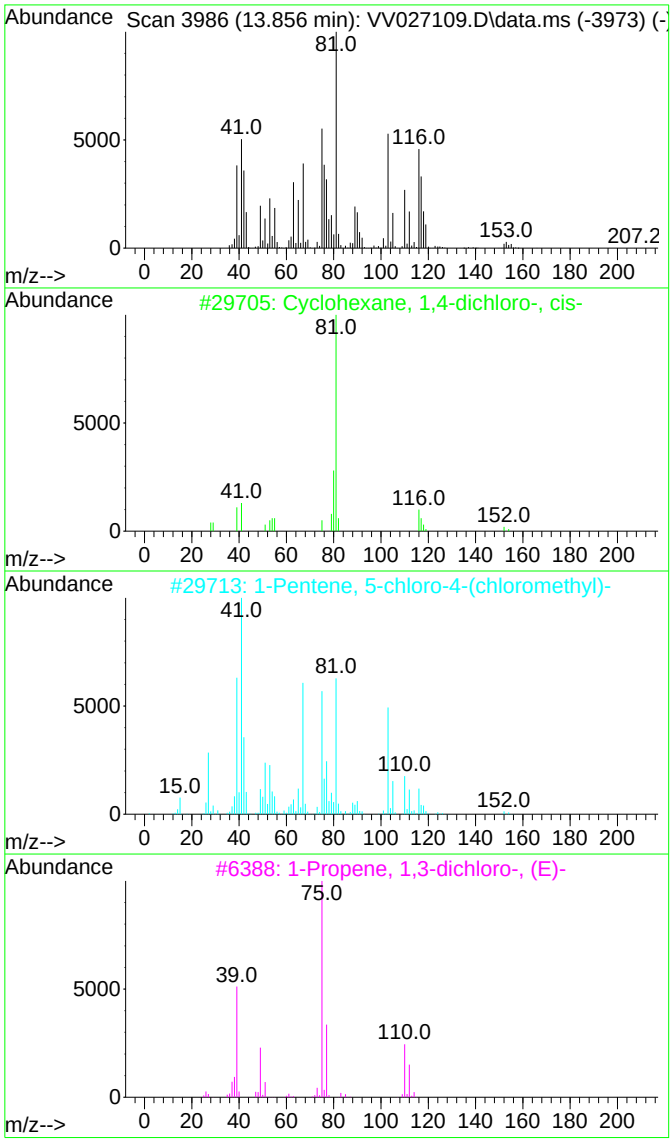
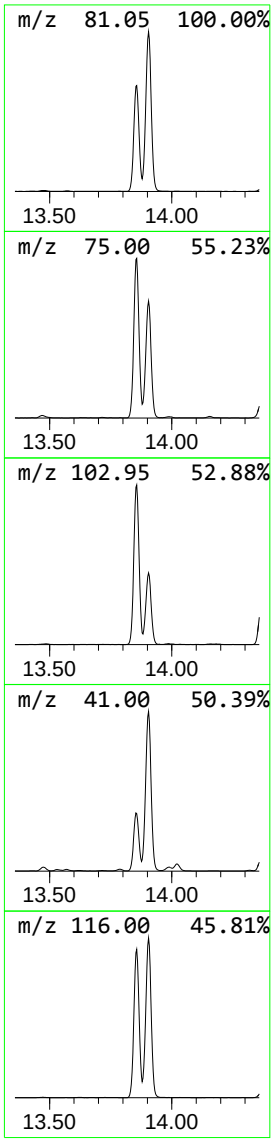
Peak Number 40 unknown-08 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	119.59 ug/L	4968600	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dichloro-, cis-	152	C6H10Cl2	016749-11-4	22
2	1-Pentene, 5-chloro-4-(chloromet...	152	C6H10Cl2	027990-74-5	22
3	1-Propene, 1,3-dichloro-, (E)-	110	C3H4Cl2	010061-02-6	20
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	18
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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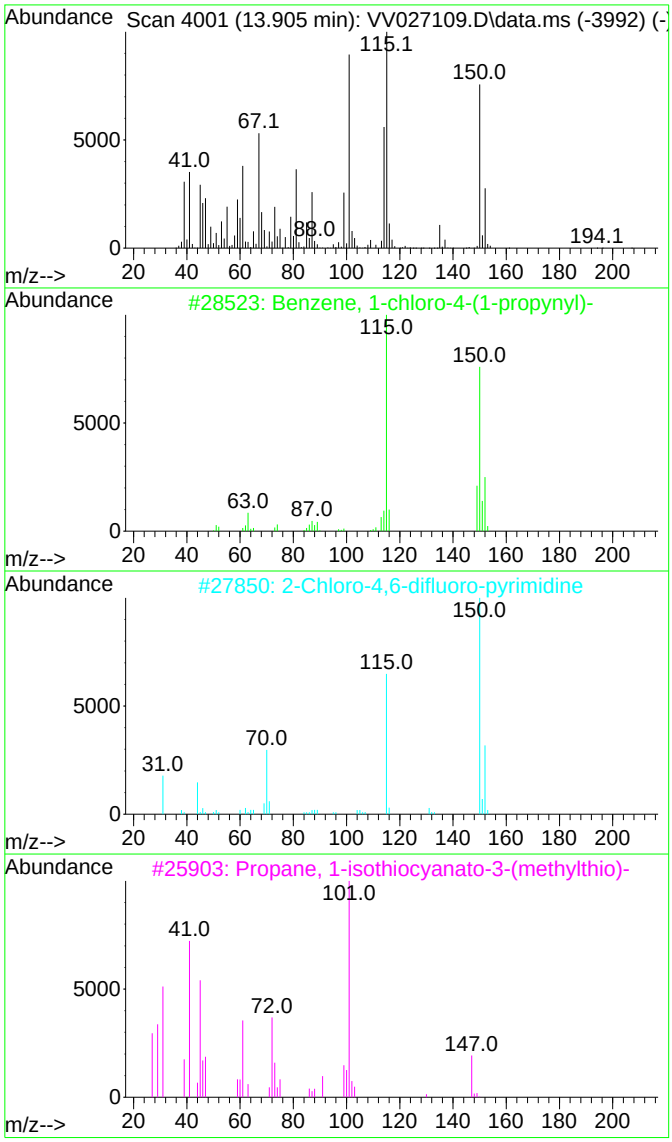
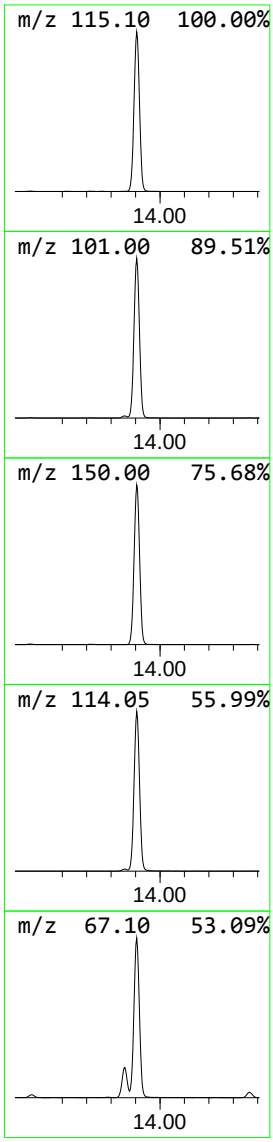
Peak Number 41 unknown-09 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.905	516.30 ug/L	21450500	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-4-(1-propynyl)-	150	C9H7Cl	002809-65-6	43
2	2-Chloro-4,6-difluoro-pyrimidine	150	C4HClF2N2	038953-30-9	22
3	Propane, 1-isothiocyanato-3-(met...	147	C5H9NS2	000505-79-3	14
4	Imidazo[5,1-f][1,2,4]triazine-2,...	150	C5H6N6	051292-20-7	11
5	Propane, 1-isothiocyanato-	101	C4H7NS	000628-30-8	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

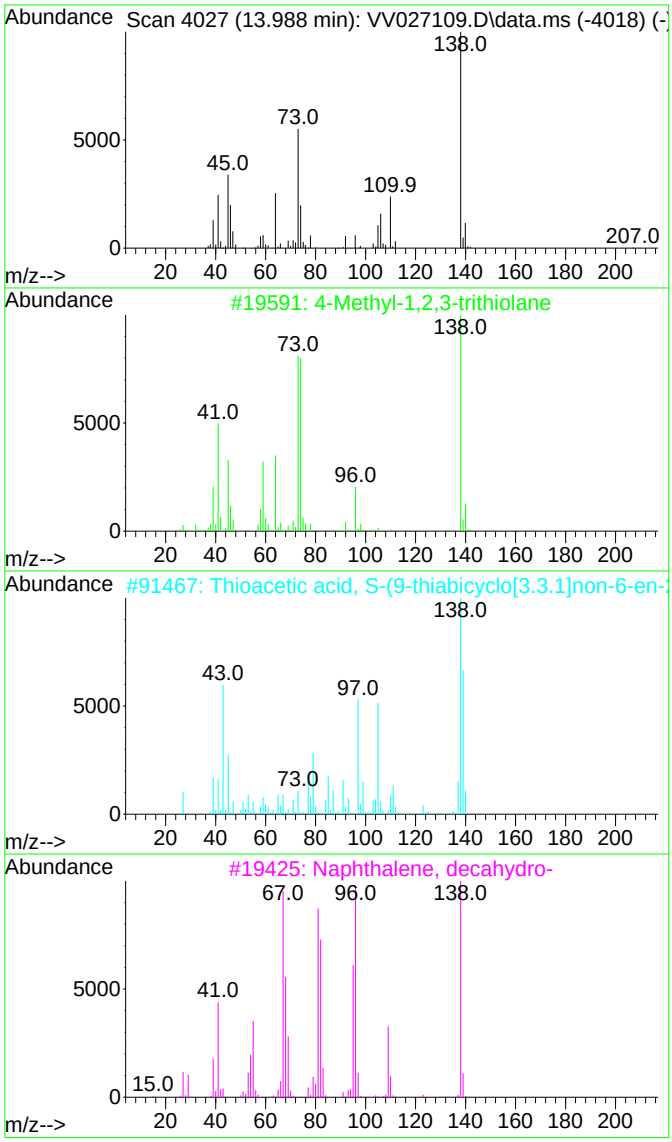
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

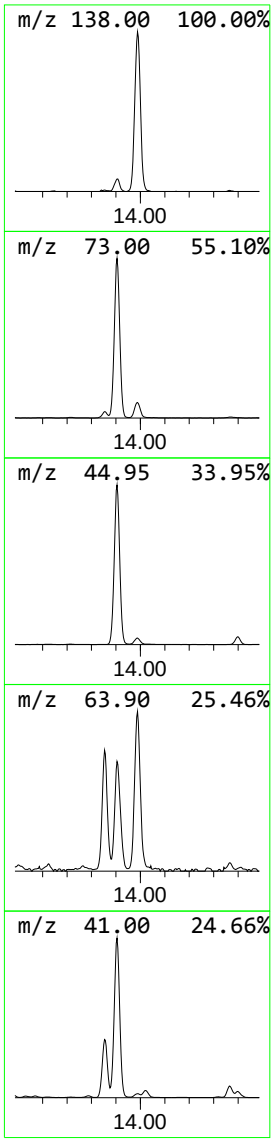
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 unknown-10 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.988	9.15 ug/L	380144	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-1,2,3-trithiolane	138	C3H6S3	116664-29-0	42
2	Thioacetic acid, S-(9-thiabicycl...	214	C10H14OS2	035635-95-1	25
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	16
4	2-Propenoic acid, 2-methyl-, 1,2...	239	C14H25NO2	068548-08-3	12
5	(Chloromethyl)thiirane	108	C3H5ClS	003221-15-6	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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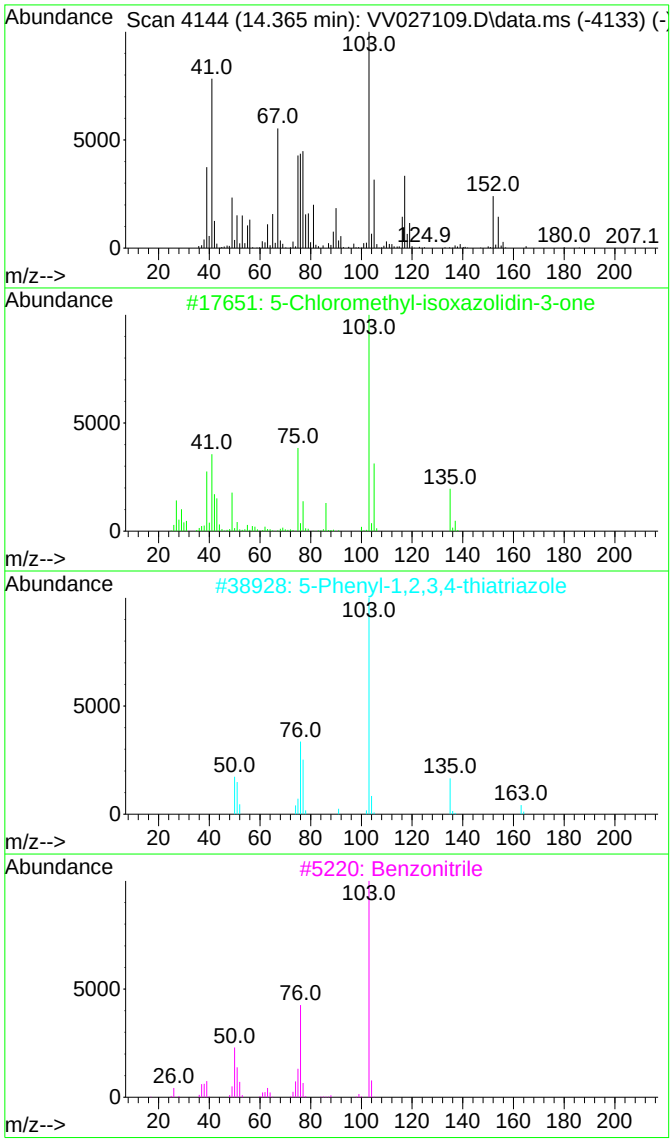
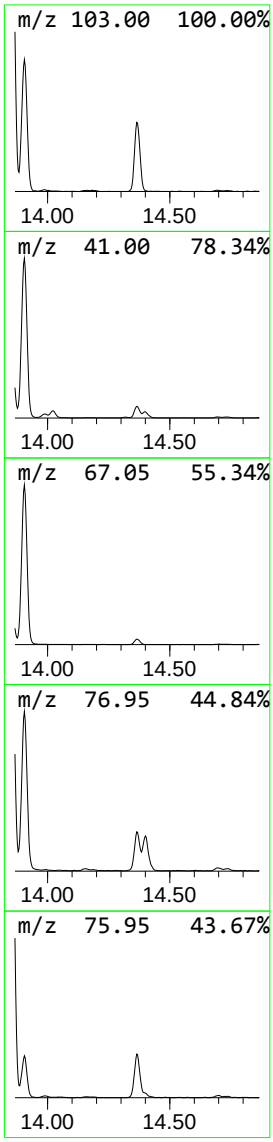
Peak Number 44 unknown-11 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.365	14.95 ug/L	621054	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chloromethyl-isoxazolidin-3-one	135	C4H6ClNO2	1000193-70-0	37
2	5-Phenyl-1,2,3,4-thiatriazole	163	C7H5N3S	034733-85-2	25
3	Benzonitrile	103	C7H5N	000100-47-0	22
4	1-Propanesulfonyl chloride, 3-ch...	176	C3H6Cl2O2S	001633-82-5	16
5	Chloroacetic acid allyl ester	134	C5H7ClO2	002916-14-5	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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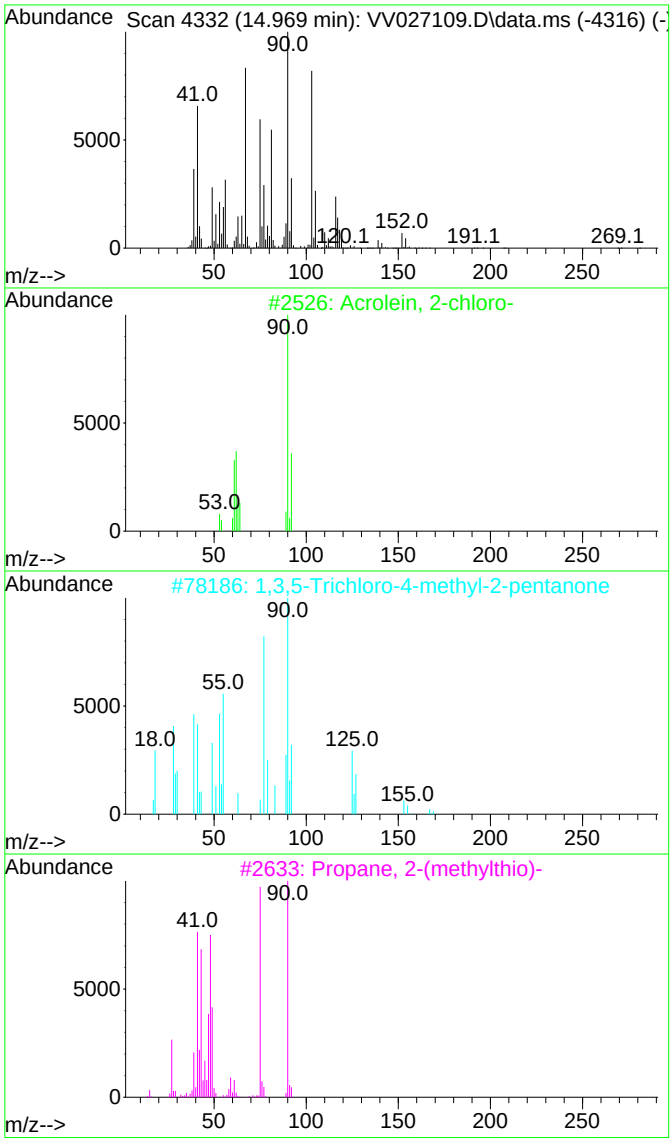
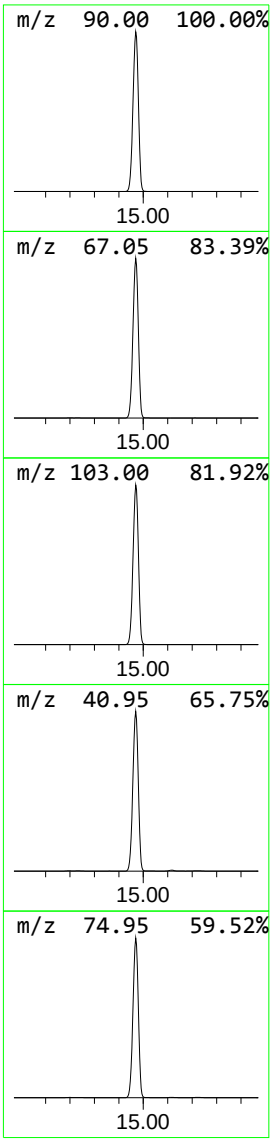
Peak Number 46 unknown-12 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.969	929.10 ug/L	38600400	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	37
2	1,3,5-Trichloro-4-methyl-2-penta...	202	C6H9Cl3O	1000140-03-8	25
3	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	25
4	2,2-Bis(chloromethyl)-1-propanol	156	C5H10Cl2O	005355-54-4	23
5	Borane, chloro(dimethylamino)ethyl-	119	C4H11BClN	001739-26-0	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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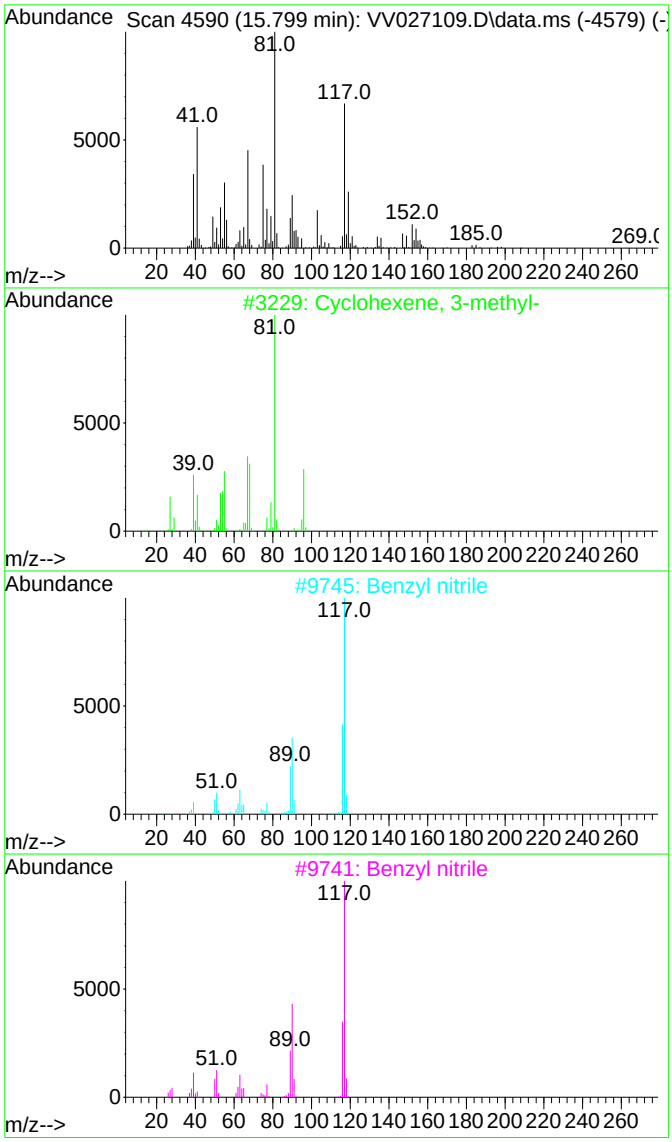
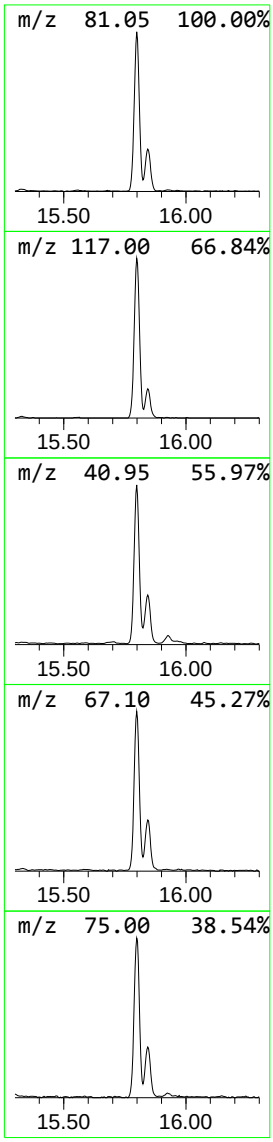
Peak Number 48 unknown-13 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.799	17.67 ug/L	733935	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	27
2	Benzyl nitrile	117	C8H7N	000140-29-4	25
3	Benzyl nitrile	117	C8H7N	000140-29-4	25
4	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	25
5	Indolizine	117	C8H7N	000274-40-8	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027109.D
Acq On : 30 Jul 2022 01:54
Operator : SY/MD
Sample : N3956-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF05

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.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
Cyclopropene	1.098	3748.2	ug/L	108929000	1	5.612	1453080	50.0
Isopropenyl bro...	2.654	14.2	ug/L	413706	1	5.612	1453080	50.0
Furan, tetrahyd...	6.162	215.6	ug/L	6266490	1	5.612	1453080	50.0
Thietane	6.371	508.2	ug/L	14768100	1	5.612	1453080	50.0
Furan, tetrahyd...	6.622	8.2	ug/L	237711	1	5.612	1453080	50.0
Oxetane, 2-ethy...	6.706	9.7	ug/L	282237	1	5.612	1453080	50.0
Cyclopropane, 1...	6.754	11.5	ug/L	334484	1	5.612	1453080	50.0
2H-Pyran, tetra...	6.899	1407.0	ug/L	40888400	1	5.612	1453080	50.0
2-Hexenal	7.789	17.0	ug/L	10098900	2	8.853	29633100	50.0
(DEL) Alkane: S...	8.625	3.9	ug/L	2334540	2	8.853	29633100	50.0
2H-Thiopyran, t...	10.079	57.4	ug/L	2383610	3	11.249	2077310	50.0
2H-Thiopyran, t...	10.358	16.6	ug/L	690631	3	11.249	2077310	50.0
Thiophene, 2-et...	10.406	60.1	ug/L	2498850	3	11.249	2077310	50.0
unknown-01	10.680	144.4	ug/L	5997560	3	11.249	2077310	50.0
Succinic acid, ...	10.825	16.5	ug/L	686172	3	11.249	2077310	50.0
Butanal, ethylh...	11.024	15.6	ug/L	649633	3	11.249	2077310	50.0
1,3-Dithiolane	11.172	197.7	ug/L	8214130	3	11.249	2077310	50.0
unknown-02	11.397	11.1	ug/L	460609	3	11.249	2077310	50.0
unknown-03	11.911	40.0	ug/L	1659800	3	11.249	2077310	50.0
Hexane, 1,6-dic...	12.149	49.6	ug/L	2059440	3	11.249	2077310	50.0
unknown-04	12.320	12.9	ug/L	534061	3	11.249	2077310	50.0
Benzene, 1-brom...	12.394	272.3	ug/L	11314700	3	11.249	2077310	50.0
unknown-05	12.818	539.0	ug/L	22393600	3	11.249	2077310	50.0
unknown-06	13.201	15.5	ug/L	642365	3	11.249	2077310	50.0
unknown-07	13.474	10.7	ug/L	444641	3	11.249	2077310	50.0
unknown-08	13.857	119.6	ug/L	4968600	3	11.249	2077310	50.0
unknown-09	13.905	516.3	ug/L	21450500	3	11.249	2077310	50.0
unknown-10	13.988	9.2	ug/L	380144	3	11.249	2077310	50.0
unknown-11	14.365	14.9	ug/L	621054	3	11.249	2077310	50.0
unknown-12	14.969	929.1	ug/L	38600400	3	11.249	2077310	50.0
unknown-13	15.799	17.7	ug/L	733935	3	11.249	2077310	50.0