LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

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\SFAMVLM052721WMA.M
Title : VOC Analysis

Signal : TIC: VV021450.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.307	76	83	101	rVB2	783747	847086	25.34%	2.113%
2	1.468	126	133	145	rVB	188091	203279	6.08%	0.507%
3	1.539	149	155	158	rBV	46898	49848	1.49%	0.124%
4	1.571	159	165	166	rBV	162979	153494	4.59%	0.383%
5	1.748	211	220	235	rBV	481418	630160	18.85%	1.572%
6	2.105	320	331	342	rBV	374608	545238	16.31%	1.360%
7	2.172	342	352	366	rVV	514652	849937	25.43%	2.120%
8	2.249	367	376	397	rVB	234501	359392	10.75%	0.896%
9	2.439	429	435	437	rBV4	1821	2027	0.06%	0.005%
10	2.507	449	456	463	rBV6	3597	5092	0.15%	0.013%
11	2.619	489	491	496	rVB3	851	658	0.02%	0.002%
12	2.761	519	535	568	rBV2	1316742	2716577	81.27%	6.775%
13	3.031	615	619	621	rVV3	479	414	0.01%	0.001%
14	3.188	664	668	671	rVV3	760	623	0.02%	0.002%
15	3.696	824	826	831	rVB3	601	456	0.01%	0.001%
16	3.905	875	891	934	rBV2	214775	744350	22.27%	1.856%
17	4.352	1011	1030	1065	rBV3	333430	1109069	33.18%	2.766%
18	4.606	1090	1109	1140	rVB2	323669	818711	24.49%	2.042%
19	4.802	1165	1170	1173	rBV3	534	459	0.01%	0.001%
20	4.841	1179	1182	1187	rVB4	888	625	0.02%	0.002%
21	4.915	1201	1205	1212	rVB3	524	454	0.01%	0.001%
22	5.043	1228	1245	1254	rBV2	689197	1727668	51.69%	4.309%
23	5.365	1343	1345	1350	rVB5	1050	727	0.02%	0.002%
24	5.429	1364	1365	1373	rVB4	835	610	0.02%	0.002%
25	5.548	1399	1402	1410	rBV5	820	908	0.03%	0.002%
26	5.616	1410	1423	1450	rBV	550807	1107316	33.13%	2.761%
27	5.912	1501	1515	1541	rBV	922699	1817643	54.38%	4.533%
28	6.069	1551	1564	1584	rBV	378683	763743	22.85%	1.905%
29	6.172	1584	1596	1619	rVB	402766	791956	23.69%	1.975%
30	6.461	1684	1686	1689	rVB3	747	392	0.01%	0.001%
31	6.629	1732	1738	1739	rBV4	1684	1305	0.04%	0.003%
32	6.638	1739	1741	1753	rVB5	1951	2996	0.09%	0.007%
33	6.985	1836	1849	1876	rBV	245596	448028	13.40%	1.117%
34	7.317	1937	1952	1963	rBV	867933	1482253	44.35%	3.697%
35	7.387	1963	1974	1998	rVB	1970249	3342522	100.00%	8.336%
36	7.622	2037	2047	2064	rBV	169641	291118	8.71%	0.726%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

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\SFAMVLM052721WMA.M
Title : VOC Analysis

37	7.873	2118	2125	2128	rBV6	551	814	0.02%	0.002%
38	7.976	2138	2157	2182	rVV	969286	1604911	48.01%	4.002%
39	8.088	2182	2192	2200	rVV	491519	806122	24.12%	2.010%
40	8.140	2200	2208	2229	rVV	861626	1469030	43.95%	3.664%
41	8.246	2232	2241	2262	rVB	152477	269480	8.06%	0.672%
42	8.352	2262	2274	2293	rBV	496974	830655	24.85%	2.072%
43	8.471	2309	2311	2315	rBV2	690	585	0.02%	0.001%
44	8.699	2378	2382	2386	rBV4	392	399	0.01%	0.001%
45	8.757	2386	2400	2418	rBV	493821	798645	23.89%	1.992%
46	8.854	2418	2430	2457	rVV	802499	1316794	39.40%	3.284%
47	8.982	2469	2470	2475	rVB2	967	541	0.02%	0.001%
48	9.021	2475	2482	2490	rBV5	1839	2569	0.08%	0.006%
49	9.146	2514	2521	2536	rBV7	4144	8773	0.26%	0.022%
50	9.210	2536	2541	2543	rBV4	879	831	0.02%	0.002%
51	9.355	2581	2586	2588	rBV2	522	511	0.02%	0.001%
52	9.545	2632	2645	2673	rBV	895479	1403682	41.99%	3.501%
53	9.731	2700	2703	2705	rBV2	814	564	0.02%	0.001%
54	9.825	2728	2732	2734	rBV3	1196	1082	0.03%	0.003%
55	9.931	2746	2765	2790	rBV	1691560	2600848	77.81%	6.486%
56	10.024	2790	2794	2802	rVB6	1809	2993	0.09%	0.007%
57	10.124	2818	2825	2836	rVB2	5073	8953	0.27%	0.022%
58	10.217	2841	2854	2881	rBV	1302341	2060985	61.66%	5.140%
59	10.538	2951	2954	2955	rVV2	830	406	0.01%	0.001%
60	10.580	2955	2967	2987	rVB	429082	621196	18.58%	1.549%
61	10.664	2987	2993	2996	rBV6	874	982	0.03%	0.002%
62	10.834	3037	3046	3049	rBV6	1614	2180	0.07%	0.005%
63	10.863	3054	3055	3059	rVV3	1057	518	0.02%	0.001%
64	10.915	3065	3071	3081	rVB5	5431	8071	0.24%	0.020%
65	11.021	3100	3104	3105	rBV2	683	509	0.02%	0.001%
66	11.037	3105	3109	3113	rVV3	772	869	0.03%	0.002%
67	11.098	3119	3128	3132	rBV2	10217	15498	0.46%	0.039%
68	11.136	3133	3140	3145	rVV	37630	58279	1.74%	0.145%
69	11.181	3145	3154	3165	rVV	581955	889073	26.60%	2.217%
70	11.249	3165	3175	3197	rVB	973190	1510385	45.19%	3.767%
71	11.426	3225	3230	3239	rVB4	3337	4498	0.13%	0.011%
72	11.625	3279	3292	3311	rBV	931971	1480313	44.29%	3.692%
73	11.818	3336	3352	3361	rBV6	16698	27710	0.83%	0.069%
74	11.905	3376	3379	3383	rBV	710	580	0.02%	0.001%
75	11.953	3383	3394	3403	rVB4	6124	9822	0.29%	0.024%
76	12.050	3419	3424	3427	rBV4	626	690	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

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\SFAMVLM052721WMA.M
Title : VOC Analysis

77	12.101	3432	3440	3450	rBV2	11744	18377	0.55%	0.046%
78	12.239	3478	3483	3484	rBV3	757	692	0.02%	0.002%
79	12.297	3497	3501	3504	rVB3	515	488	0.01%	0.001%
80	12.429	3535	3542	3552	rVB6	2284	3922	0.12%	0.010%
81	12.468	3552	3554	3557	rBV2	489	381	0.01%	0.001%
82	12.522	3564	3571	3580	rVB7	4793	7279	0.22%	0.018%
83	12.651	3606	3611	3619	rVB7	1638	2125	0.06%	0.005%
84	12.934	3695	3699	3702	rBV3	552	513	0.02%	0.001%
85	13.082	3735	3745	3757	rVV	71114	104993	3.14%	0.262%
86	13.262	3789	3801	3820	rBV	742799	1116731	33.41%	2.785%
87	13.358	3820	3831	3844	rVB2	123985	190233	5.69%	0.474%
88	13.435	3852	3855	3858	rVV4	583	378	0.01%	0.001%
89	13.512	3875	3879	3889	rVB4	797	1268	0.04%	0.003%
90	13.593	3902	3904	3909	rVB2	574	433	0.01%	0.001%
91	13.750	3946	3953	3964	rVB4	3813	5954	0.18%	0.015%
92	13.847	3979	3983	3985	rBV3	459	377	0.01%	0.001%
93	13.905	3997	4001	4004	rBV3	485	402	0.01%	0.001%
94	14.001	4027	4031	4035	rBV5	674	604	0.02%	0.002%
95	14.040	4040	4043	4045	rBV3	623	380	0.01%	0.001%
96	14.236	4101	4104	4108	rVB4	955	496	0.01%	0.001%
97	14.278	4114	4117	4128	rVB7	1734	2710	0.08%	0.007%
98	14.342	4132	4137	4140	rBV3	550	594	0.02%	0.001%
99	14.583	4210	4212	4214	rBV3	762	395	0.01%	0.001%
100	14.721	4253	4255	4257	rBV2	869	380	0.01%	0.001%

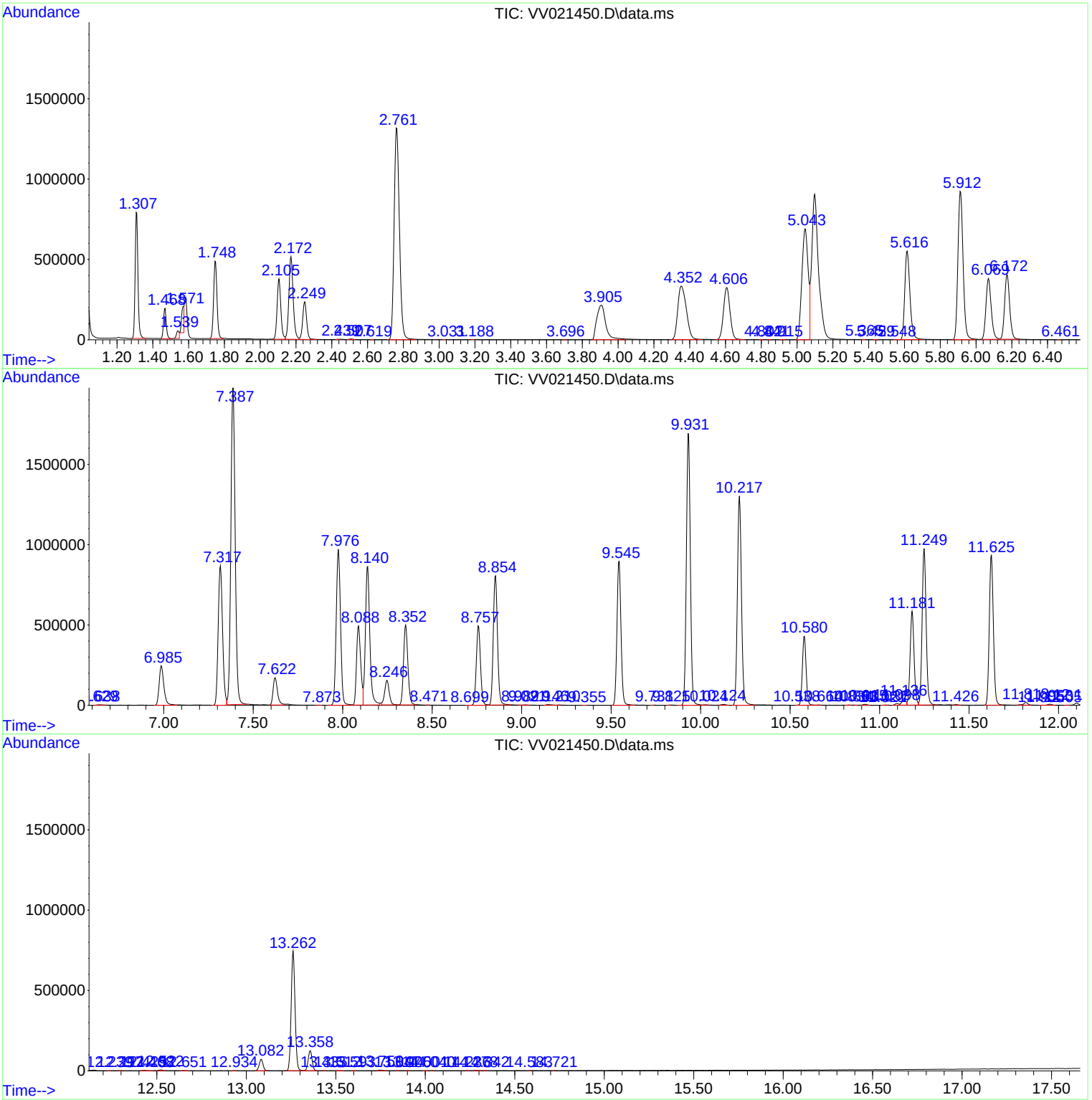
Sum of corrected areas: 40098585

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
X3547

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

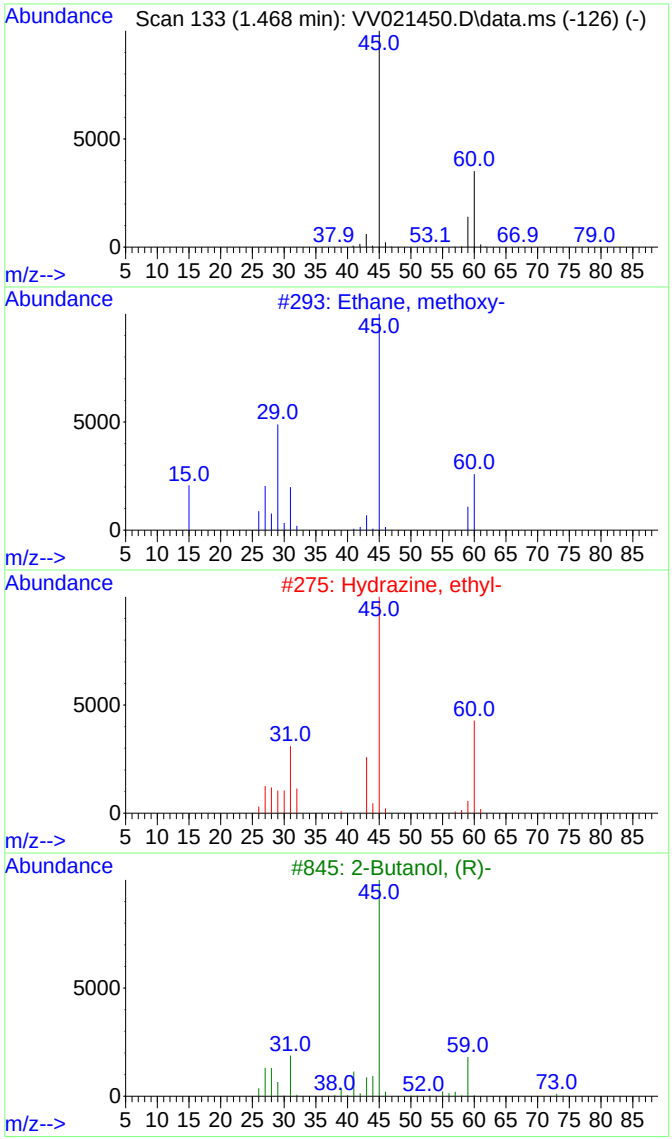
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

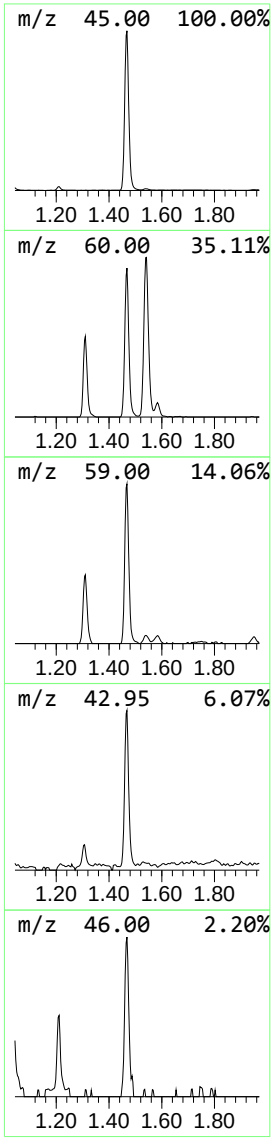
****

Peak Number 1 Ethane, methoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.468	9.18 ug/L	203279	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, methoxy-	60	C3H8O	000540-67-0	78
2	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	9
3	2-Butanol, (R)-	74	C4H10O	014898-79-4	9
4	Urea	60	CH4N2O	000057-13-6	5
5	Ethane, methoxy-	60	C3H8O	000540-67-0	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

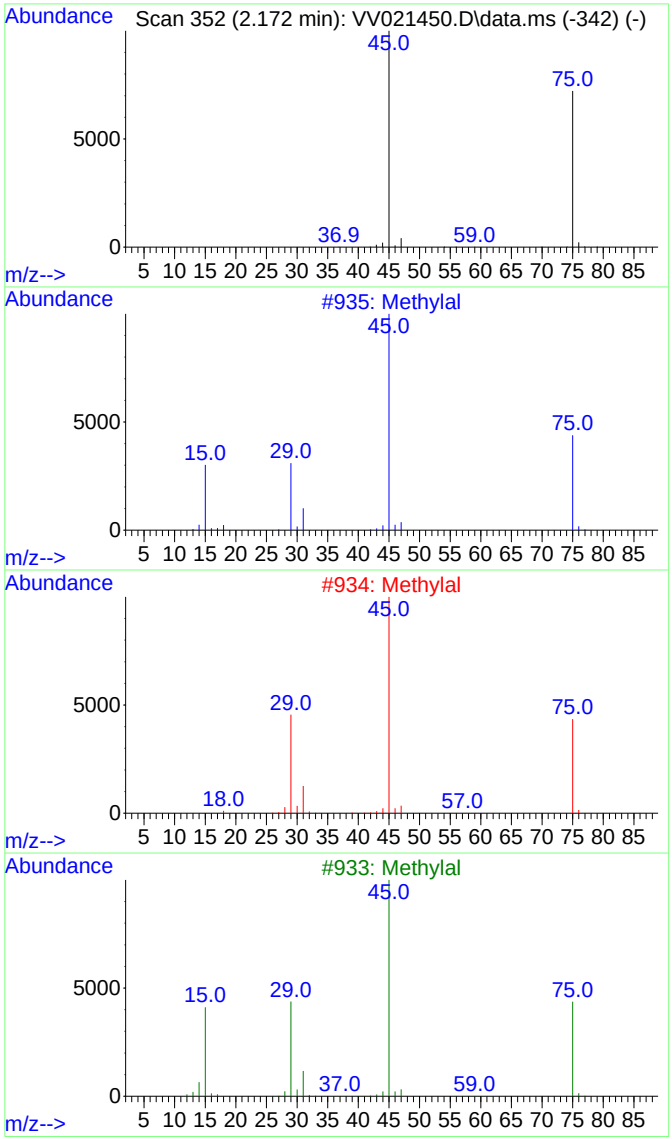
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

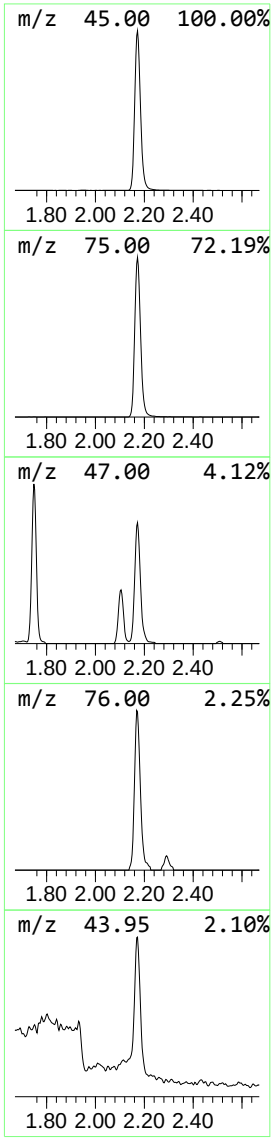
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.172	38.38 ug/L	849937	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	9
2	Methylal	76	C3H8O2	000109-87-5	9
3	Methylal	76	C3H8O2	000109-87-5	9
4	Ethanethioamide	75	C2H5NS	000062-55-5	5
5	Formamide, N-methylthio	75	C2H5NS	018952-41-5	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

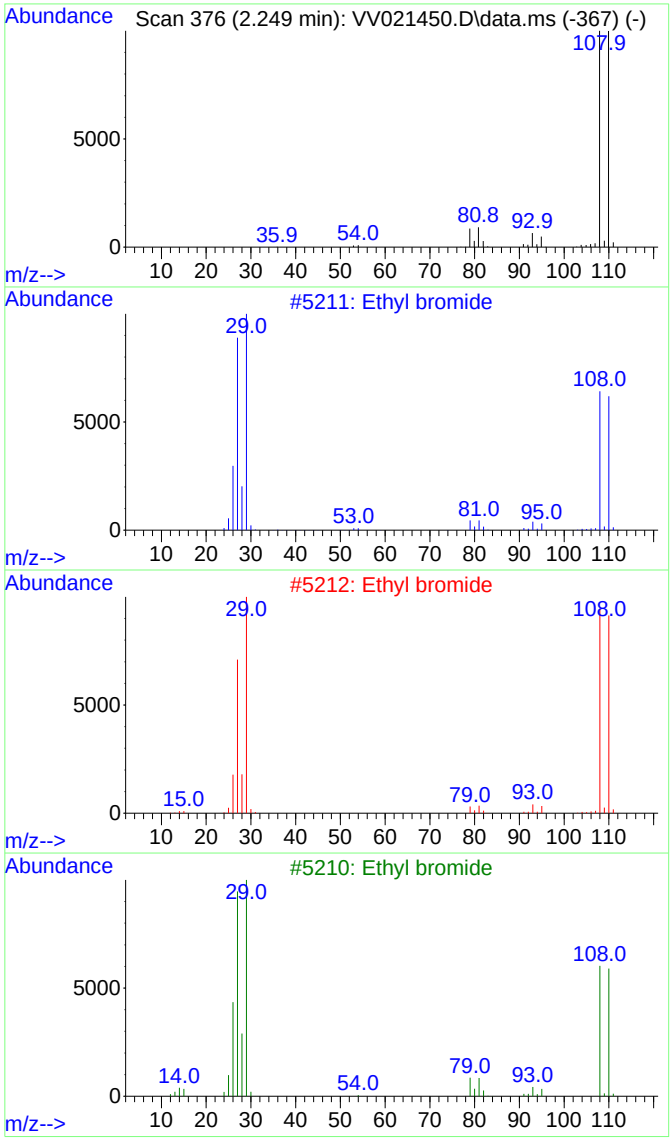
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

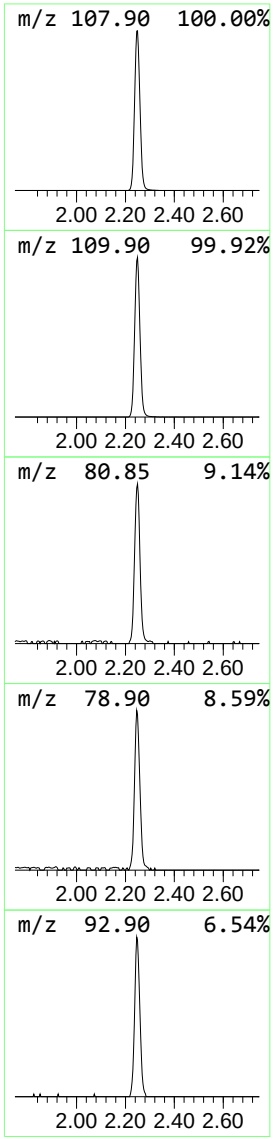
****

Peak Number 3 Ethyl bromide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.249	16.23 ug/L	359392	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl bromide	108	C2H5Br	000074-96-4	90
2	Ethyl bromide	108	C2H5Br	000074-96-4	86
3	Ethyl bromide	108	C2H5Br	000074-96-4	83
4	Vinyl bromide	106	C2H3Br	000593-60-2	17
5	1H-Pyrazole, 1-methyl-3-vinyl-	108	C6H8N2	056342-53-1	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

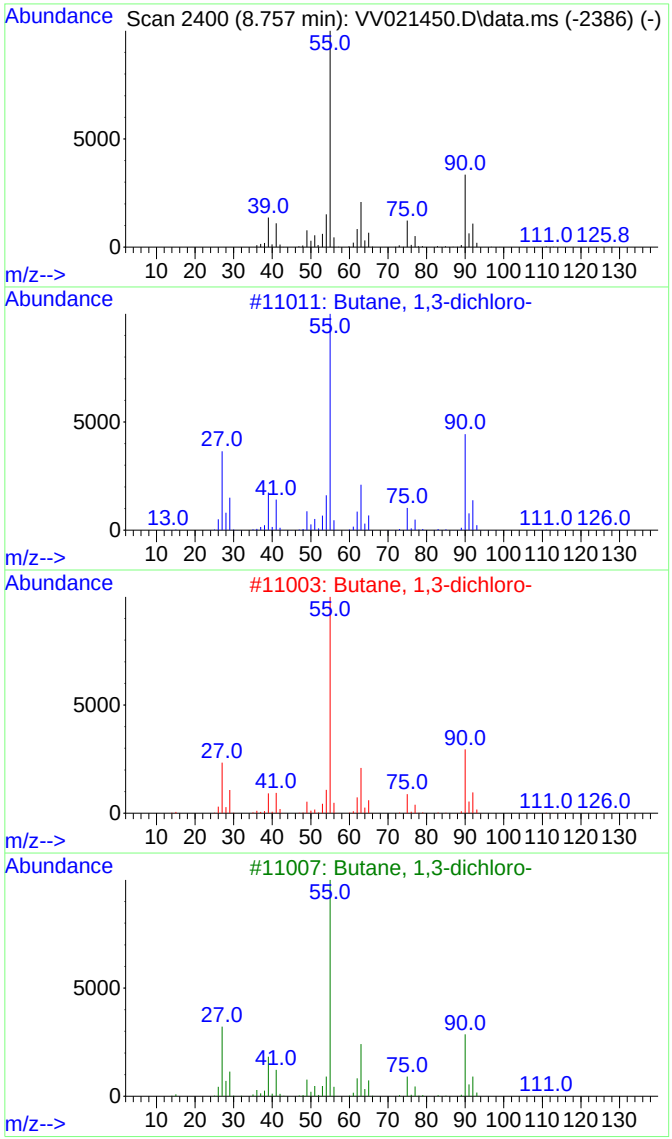
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

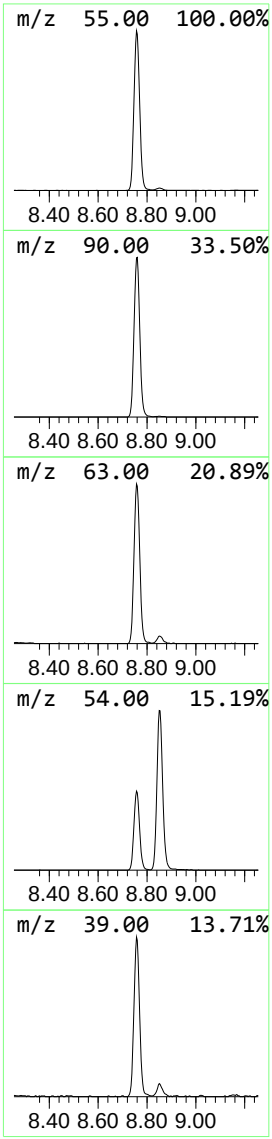
****

Peak Number 5 Butane, 1,3-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.757	30.33 ug/L	798645	Chlorobenzene-d5	8.854

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,3-dichloro-	126	C4H8Cl2	001190-22-3	90
2	Butane, 1,3-dichloro-	126	C4H8Cl2	001190-22-3	90
3	Butane, 1,3-dichloro-	126	C4H8Cl2	001190-22-3	90
4	2-Butene, 2-chloro-	90	C4H7Cl	004461-41-0	76
5	1-Propene, 1-chloro-2-methyl-	90	C4H7Cl	000513-37-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

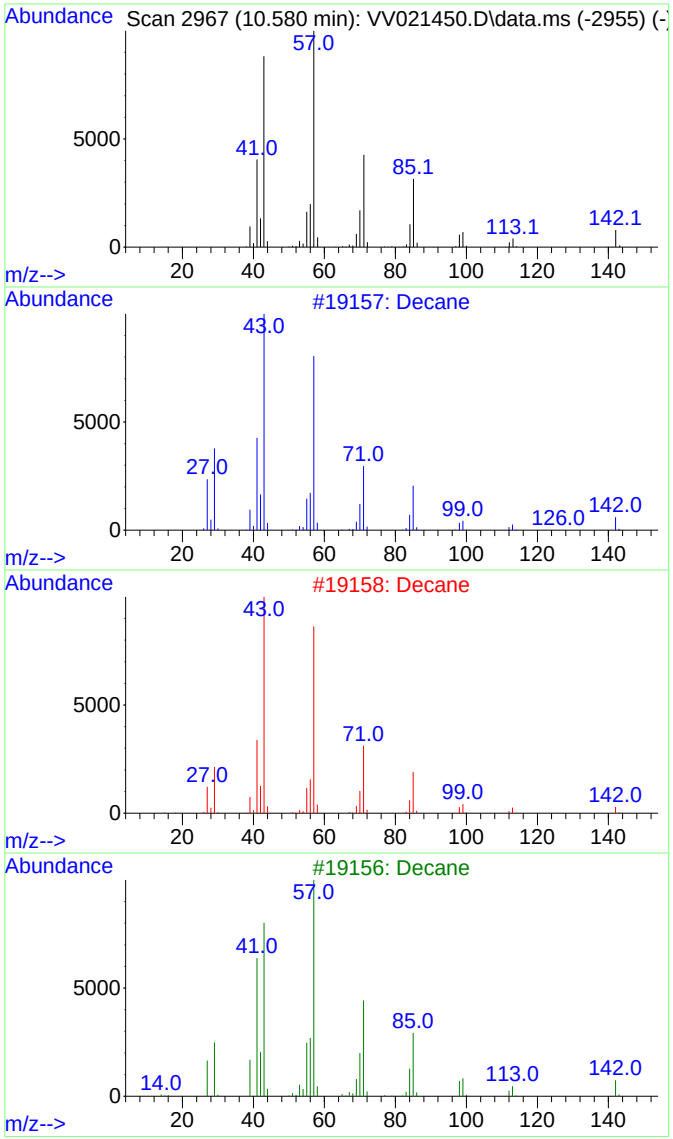
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

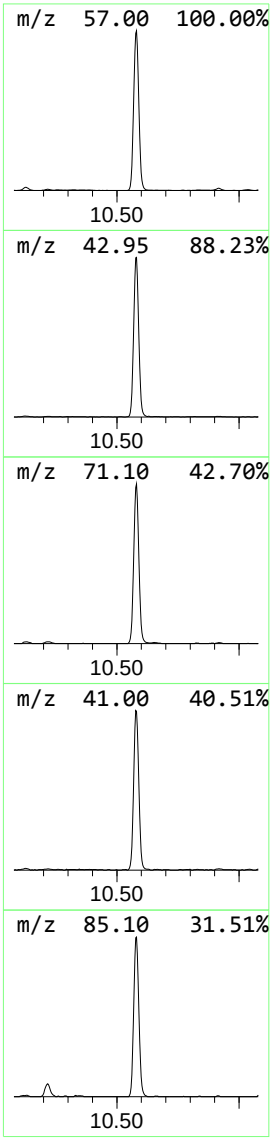
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.580	20.56 ug/L	621196	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Decane	142	C10H22	000124-18-5	91
3	Decane	142	C10H22	000124-18-5	91
4	Nonane	128	C9H20	000111-84-2	86
5	Pentadecane	212	C15H32	000629-62-9	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

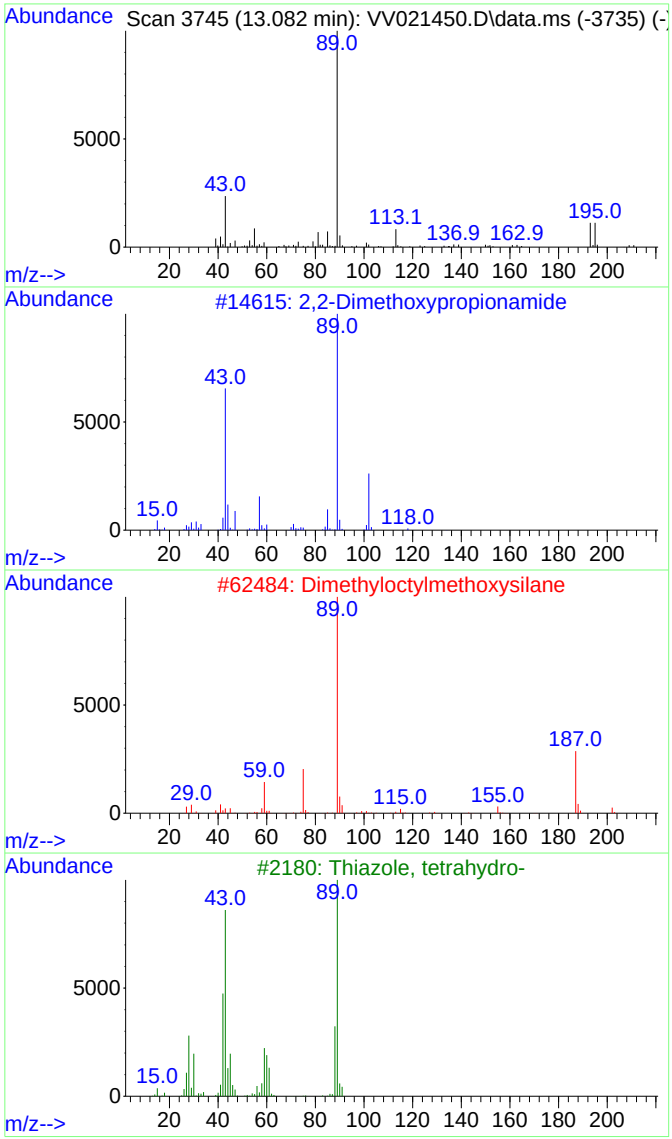
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

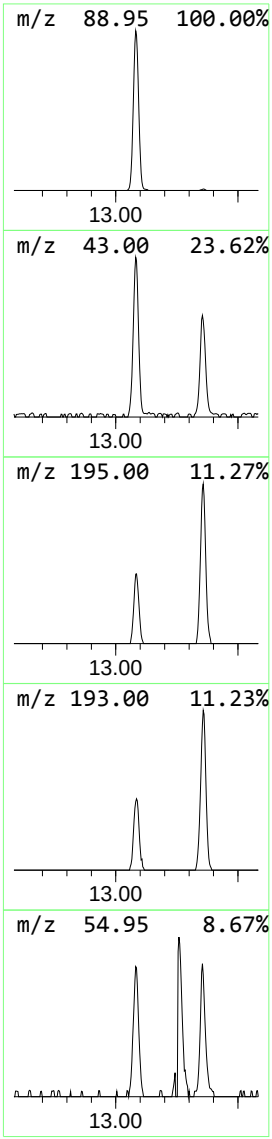
****

Peak Number 7 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.082	3.48 ug/L	104993	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethoxypropionamide	133	C5H11NO3	1000237-69-7	9
2	Dimethyloctylmethoxysilane	202	C11H26OSi	093804-29-6	9
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	7
4	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	4
5	1,3,5-Trioxane	90	C3H6O3	000110-88-3	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

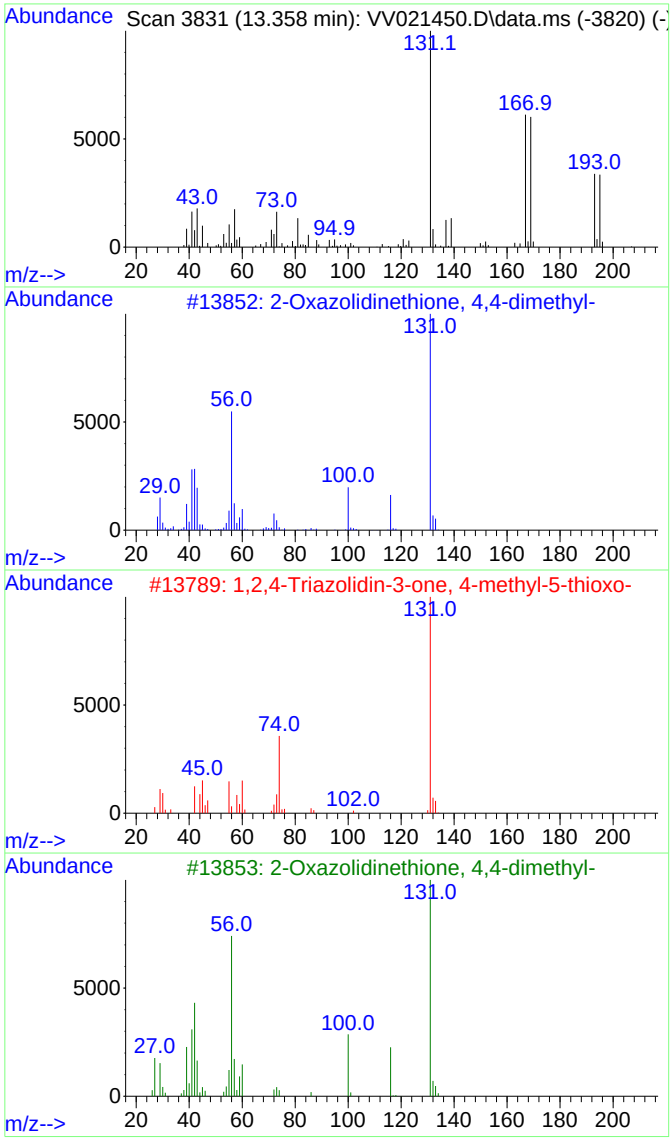
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

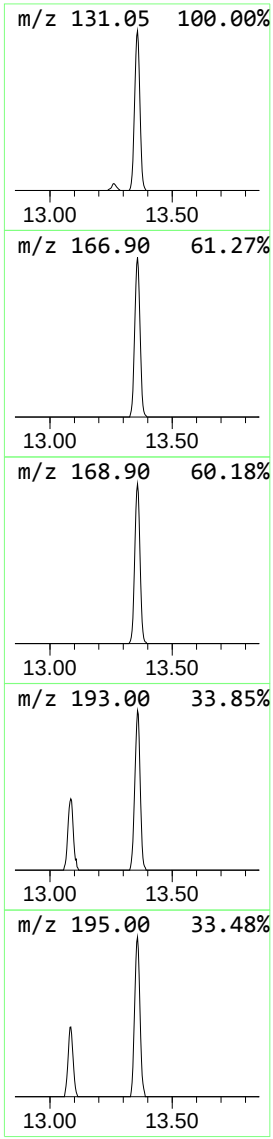
****

Peak Number 8 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.358	6.30 ug/L	190233	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxazolidinethione, 4,4-dimethyl-	131	C5H9NOS	054013-55-7	10
2	1,2,4-Triazolidin-3-one, 4-methy...	131	C3H5N3OS	022244-61-7	10
3	2-Oxazolidinethione, 4,4-dimethyl-	131	C5H9NOS	054013-55-7	9
4	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	9
5	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

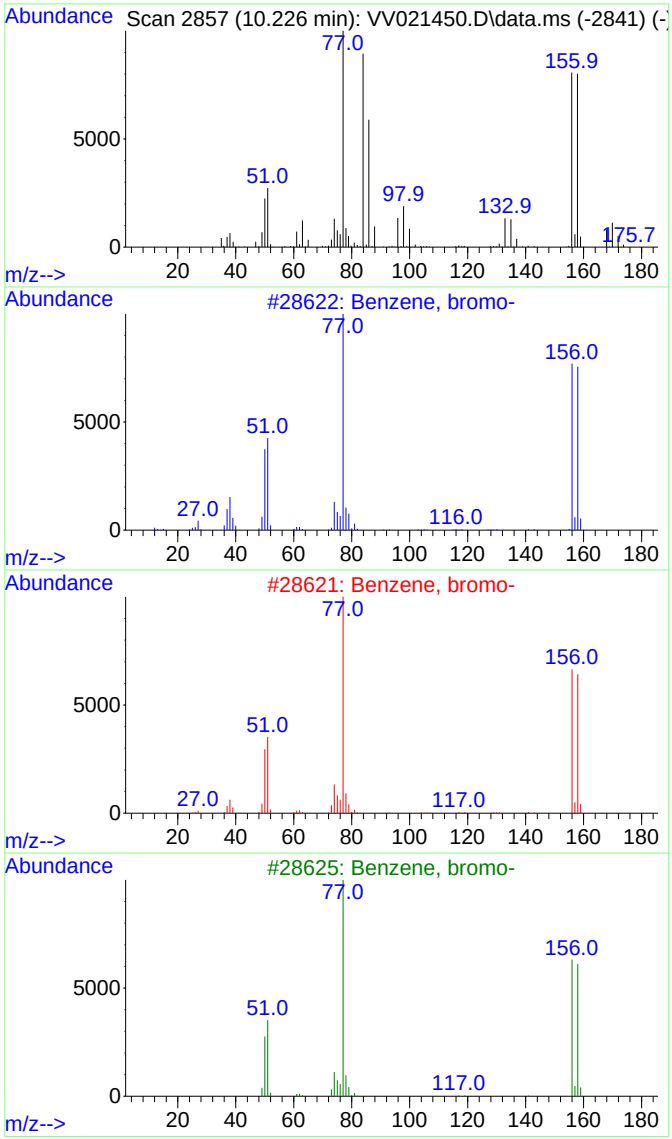
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

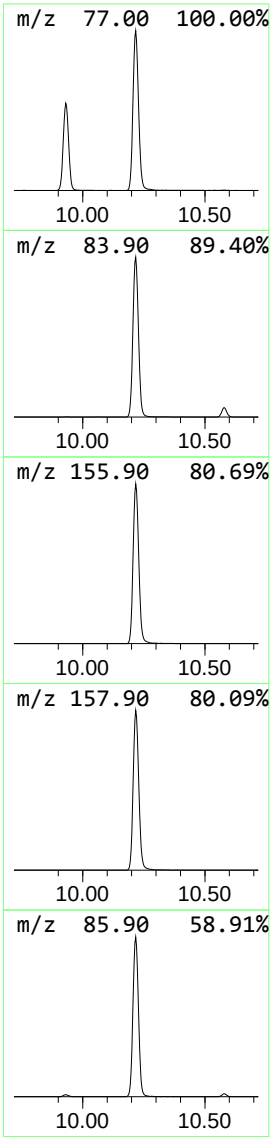
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, bromo- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.217	68.23 ug/L	2060990	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, bromo-	156	C6H5Br	000108-86-1	91
2	Benzene, bromo-	156	C6H5Br	000108-86-1	91
3	Benzene, bromo-	156	C6H5Br	000108-86-1	90
4	Benzene, bromo-	156	C6H5Br	000108-86-1	90
5	Benzene, bromo-	156	C6H5Br	000108-86-1	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
Data File : VV021450.D
Acq On : 28 May 2021 12:40
Operator : SY/MD
Sample : M2558-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : X3547

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethane, methoxy-	1.468	9.2	ug/L	203279	1	5.616	1107320	50.0
unknown-01	2.172	38.4	ug/L	849937	1	5.616	1107320	50.0
Ethyl bromide	2.249	16.2	ug/L	359392	1	5.616	1107320	50.0
Butane, 1,3-dic...	8.757	30.3	ug/L	798645	2	8.854	1316790	50.0
(DEL) Alkane: S...	10.580	20.6	ug/L	621196	3	11.249	1510390	50.0
unknown-02	13.082	3.5	ug/L	104993	3	11.249	1510390	50.0
unknown-03	13.358	6.3	ug/L	190233	3	11.249	1510390	50.0
Benzene, bromo-	10.217	68.2	ug/L	2060990	3	11.249	1510390	50.0