

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032638.D
 Acq On : 17 Oct 2018 13:12
 Operator : SY/AP
 Sample : J5500-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 3
 Start Thrs: 0.001
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.049	22	35	50	rBV2	13522313	24577241	8.84%	0.956%
2	3.249	86	97	113	rBV3	9255063	15114844	5.43%	0.588%
3	3.358	120	131	141	rBV2	17809175	36733158	13.21%	1.428%
4	3.406	141	146	156	rVV	14619375	23507032	8.45%	0.914%
5	3.461	156	163	179	rVV	4778339	7024058	2.53%	0.273%
6	3.548	179	190	204	rVB	4192153	5908951	2.12%	0.230%
7	3.705	220	239	256	rBV3	2539819	9964950	3.58%	0.388%
8	3.786	256	264	277	rVB	3639865	6087434	2.19%	0.237%
9	3.946	302	314	325	rBV3	12546275	23108387	8.31%	0.899%
10	4.046	325	345	352	rVV	11882425	40223873	14.46%	1.564%
11	4.085	352	357	371	rVV	11783986	22125859	7.95%	0.860%
12	4.159	371	380	388	rVV2	7599379	13702354	4.93%	0.533%
13	4.210	388	396	407	rVV	14801232	25071450	9.01%	0.975%
14	4.287	407	420	433	rVB4	6333342	15340954	5.52%	0.597%
15	4.374	433	447	459	rBV2	19439261	41827276	15.04%	1.627%
16	4.435	459	466	468	rVV	6765167	9545310	3.43%	0.371%
17	4.454	468	472	478	rVV	7294725	11075170	3.98%	0.431%
18	4.493	478	484	508	rVB2	5880304	11378740	4.09%	0.442%
19	4.670	519	539	575	rBV5	5072068	17451504	6.27%	0.679%
20	4.885	586	606	617	rBV2	1417089	3564152	1.28%	0.139%
21	4.988	625	638	648	rBV3	3206006	9384885	3.37%	0.365%
22	5.030	648	651	671	rVB5	2486748	5202367	1.87%	0.202%
23	5.168	671	694	702	rBV2	9777567	25365017	9.12%	0.986%
24	5.220	702	710	727	rVV	9264372	21980142	7.90%	0.855%
25	5.306	727	737	748	rVB	2067272	4616228	1.66%	0.180%
26	5.416	748	771	783	rVB2	4516943	11586072	4.17%	0.451%
27	5.531	783	807	817	rBV2	8657315	28872659	10.38%	1.123%
28	5.599	817	828	866	rVV2	9409854	50729983	18.24%	1.973%
29	5.814	881	895	902	rVV3	8352523	19609499	7.05%	0.763%
30	5.875	902	914	915	rVV	47457758	63050224	22.67%	2.452%
31	5.911	915	925	927	rVV2	71014233	147578259	53.06%	5.739%
32	5.921	927	928	929	rVV	69431247	26717117	9.61%	1.039%
33	5.933	929	932	941	rVV3	72772732	155510203	55.91%	6.047%
34	5.966	941	942	946	rVV3	65110386	59944459	21.55%	2.331%

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35	5.982	946	947	949	rVV2	62103568	35421253	12.73%	1.377%
36	6.004	949	954	976	rVV4	70607786	116032695	41.72%	4.512%
37	6.123	976	991	998	rVV4	2353604	8053629	2.90%	0.313%
38	6.194	1001	1013	1033	rVB7	3260045	9910514	3.56%	0.385%
39	6.335	1038	1057	1069	rVB6	1616469	4482674	1.61%	0.174%
40	6.499	1094	1108	1126	rVV2	2436775	8925675	3.21%	0.347%
41	6.596	1126	1138	1150	rVB6	1999709	5189680	1.87%	0.202%
42	6.695	1150	1169	1182	rBV6	7759550	19510453	7.01%	0.759%
43	6.776	1182	1194	1202	rBV2	1917687	4180467	1.50%	0.163%
44	6.830	1202	1211	1231	rVB3	2606725	6750241	2.43%	0.263%
45	6.991	1231	1261	1272	rBV4	7304419	33073363	11.89%	1.286%
46	7.049	1272	1279	1287	rVV3	3380053	8611686	3.10%	0.335%
47	7.129	1287	1304	1312	rVV2	15157982	48173024	17.32%	1.873%
48	7.258	1312	1344	1345	rVV5	66343797	278143779	100.00%	10.816%
49	7.277	1349	1350	1361	rVB3	66043400	72791223	26.17%	2.831%
50	7.390	1378	1385	1395	rVV5	4377668	8636534	3.11%	0.336%
51	7.448	1395	1403	1420	rVB	7312187	17286195	6.21%	0.672%
52	7.544	1420	1433	1450	rVB7	1509474	4569325	1.64%	0.178%
53	7.683	1450	1476	1491	rBV9	7722810	24893264	8.95%	0.968%
54	7.747	1491	1496	1518	rVB2	2954775	6087935	2.19%	0.237%
55	7.949	1534	1559	1568	rBV4	3419554	11877497	4.27%	0.462%
56	8.049	1568	1590	1616	rVB3	16875630	68589960	24.66%	2.667%
57	8.261	1643	1656	1663	rBV5	1518749	3519290	1.27%	0.137%
58	8.329	1663	1677	1691	rVV3	10464547	28322180	10.18%	1.101%
59	8.390	1691	1696	1707	rVV6	2795940	6515050	2.34%	0.253%
60	8.451	1707	1715	1727	rVB2	2676362	5310139	1.91%	0.206%
61	8.589	1744	1758	1772	rVB5	1906246	4604309	1.66%	0.179%
62	8.695	1772	1791	1817	rVB4	3417843	10749109	3.86%	0.418%
63	8.827	1817	1832	1843	rBV3	1862913	4270199	1.54%	0.166%
64	8.936	1843	1866	1880	rVV3	3633408	13246965	4.76%	0.515%
65	9.030	1880	1895	1917	rVB	8616646	22840470	8.21%	0.888%
66	9.338	1970	1991	1996	rBV8	2874271	7139482	2.57%	0.278%
67	9.358	1996	1997	2010	rVV5	2472615	4637678	1.67%	0.180%
68	9.441	2012	2023	2034	rVB4	1896942	4885067	1.76%	0.190%
69	9.615	2066	2077	2088	rBV3	1828098	4037361	1.45%	0.157%
70	9.682	2088	2098	2107	rVV3	1997909	3907077	1.40%	0.152%
71	9.734	2107	2114	2131	rVB7	1264060	3041378	1.09%	0.118%

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72	9.850	2131	2150	2159	rBV9	983928	2801194	1.01%	0.109%
73	9.920	2159	2172	2182	rBV5	2075968	4777508	1.72%	0.186%
74	10.020	2182	2203	2217	rVB2	22360440	59842972	21.52%	2.327%
75	10.120	2217	2234	2236	rBV7	1726227	4328964	1.56%	0.168%
76	10.162	2243	2247	2261	rVB7	2051870	4274254	1.54%	0.166%
77	10.255	2261	2276	2285	rBV4	4477712	10666715	3.83%	0.415%
78	10.322	2285	2297	2312	rVB7	5515035	14186259	5.10%	0.552%
79	10.406	2312	2323	2335	rBV2	1647807	3144787	1.13%	0.122%
80	10.496	2335	2351	2370	rBV7	2975550	10971714	3.94%	0.427%
81	10.615	2370	2388	2400	rVV4	4264081	10852909	3.90%	0.422%
82	10.689	2400	2411	2422	rVB4	2058840	4441244	1.60%	0.173%
83	10.808	2436	2448	2461	rVB2	2511202	5523969	1.99%	0.215%
84	10.927	2461	2485	2501	rBV3	9103380	23938742	8.61%	0.931%
85	11.149	2544	2554	2575	rVV3	2564193	7750538	2.79%	0.301%
86	11.277	2575	2594	2613	rVV2	9773698	24748647	8.90%	0.962%
87	11.432	2631	2642	2655	rVB2	2945992	6428979	2.31%	0.250%
88	11.512	2655	2667	2688	rBV7	1192987	3268876	1.18%	0.127%
89	11.869	2752	2778	2810	rBV2	11999726	44454127	15.98%	1.729%
90	12.010	2810	2822	2844	rVB9	1306440	4611804	1.66%	0.179%
91	12.197	2863	2880	2894	rBV6	1609560	5131896	1.85%	0.200%
92	12.287	2894	2908	2927	rVV2	4855515	11549532	4.15%	0.449%
93	12.390	2927	2940	2967	rVB5	3338182	10729520	3.86%	0.417%
94	12.547	2970	2989	3004	rBV2	2747471	7524671	2.71%	0.293%
95	12.907	3081	3101	3122	rVB	5655943	16466171	5.92%	0.640%
96	13.168	3159	3182	3203	rVV2	7351429	24791243	8.91%	0.964%
97	13.280	3203	3217	3237	rVB6	1688262	5013407	1.80%	0.195%
98	13.406	3237	3256	3267	rVB6	1378456	4082382	1.47%	0.159%
99	13.505	3267	3287	3311	rVB	2004482	6544690	2.35%	0.255%
100	13.634	3311	3327	3341	rBV7	1060986	2840014	1.02%	0.110%
101	13.730	3341	3357	3379	rVB5	2906031	8134332	2.92%	0.316%
102	13.891	3379	3407	3421	rBV2	4364076	12247750	4.40%	0.476%
103	13.991	3421	3438	3456	rBV2	4345015	10593761	3.81%	0.412%
104	14.335	3531	3545	3562	rVV5	5739285	13699803	4.93%	0.533%
105	14.615	3615	3632	3647	rBV	4865758	12576217	4.52%	0.489%
106	15.364	3849	3865	3871	rBV4	1386796	3401344	1.22%	0.132%
107	15.412	3871	3880	3897	rVV7	2274415	7083803	2.55%	0.275%
108	15.676	3945	3962	3975	rBV2	1891586	5090776	1.83%	0.198%
109	15.756	3975	3987	4007	rVB4	1260257	3821845	1.37%	0.149%

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Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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110	15.962	4037	4051	4063	rBV2	2113792	5010118	1.80%	0.195%
111	16.033	4063	4073	4094	rVB4	1423547	3857766	1.39%	0.150%
112	16.197	4097	4124	4139	rBV5	2112142	7858275	2.83%	0.306%
113	16.280	4139	4150	4166	rVV3	1800664	4672378	1.68%	0.182%
114	16.962	4344	4362	4385	rBV6	3936728	11877948	4.27%	0.462%
115	17.158	4400	4423	4450	rVB2	27894772	88191094	31.71%	3.430%
116	17.296	4450	4466	4481	rBV2	3927361	9374077	3.37%	0.365%
117	17.714	4578	4596	4613	rBV	7257424	20437789	7.35%	0.795%
118	18.000	4669	4685	4704	rVB5	1808229	4669031	1.68%	0.182%
119	18.361	4766	4797	4811	rBV7	1098812	4364391	1.57%	0.170%
120	20.084	5320	5333	5347	rBV4	1589191	3704875	1.33%	0.144%
121	21.010	5600	5621	5639	rBV3	2822044	7338907	2.64%	0.285%
122	21.682	5796	5830	5856	rBV2	14139573	56113974	20.17%	2.182%

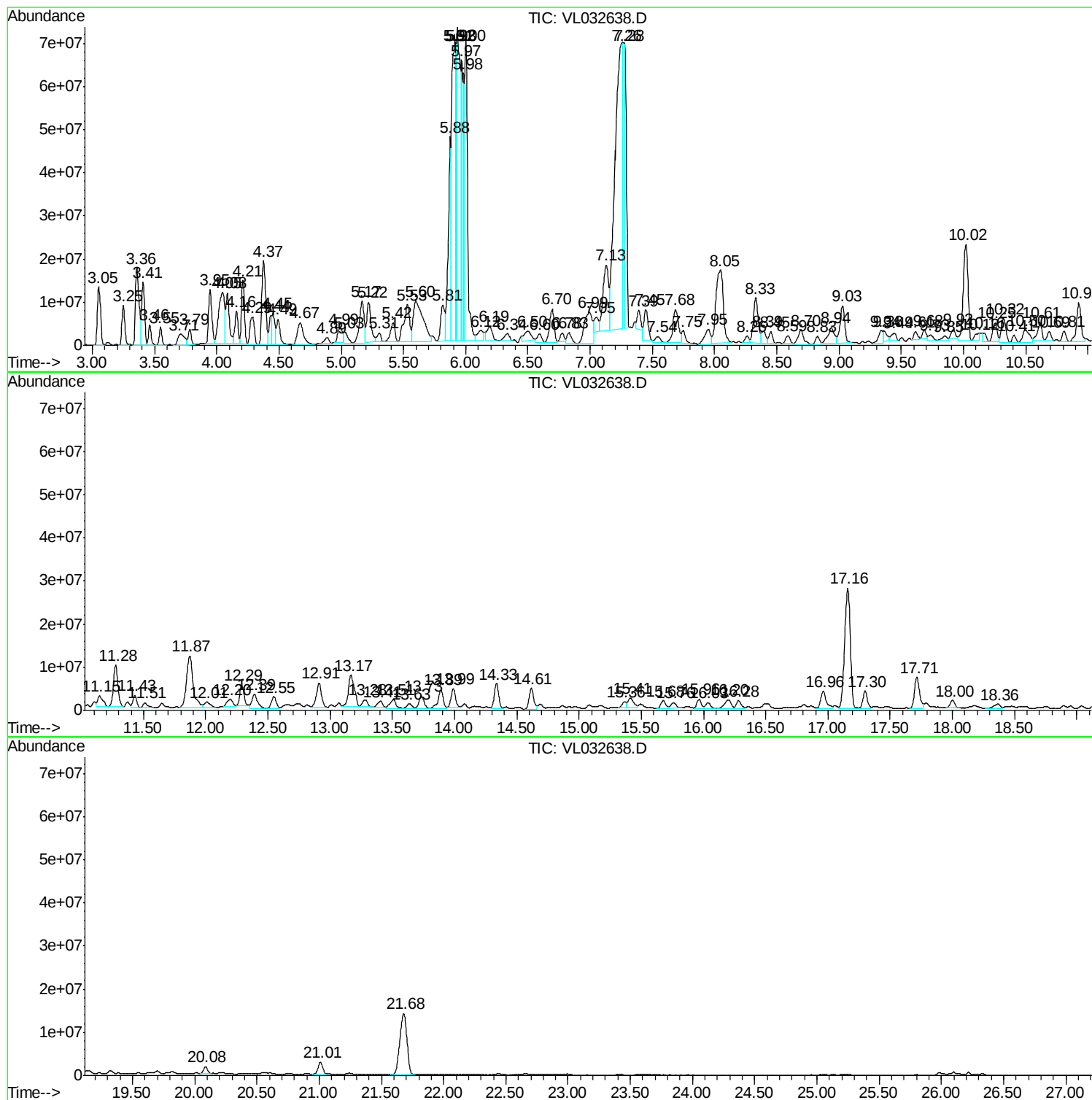
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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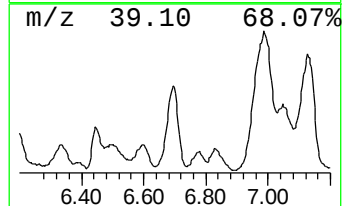
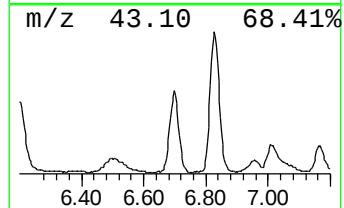
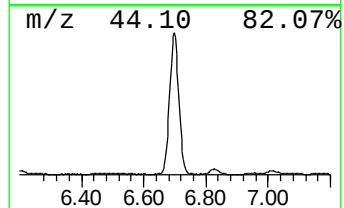
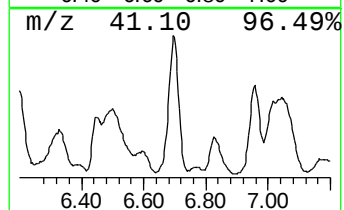
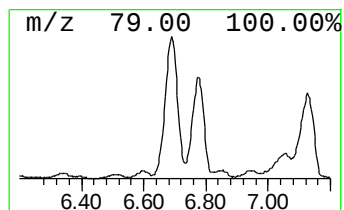
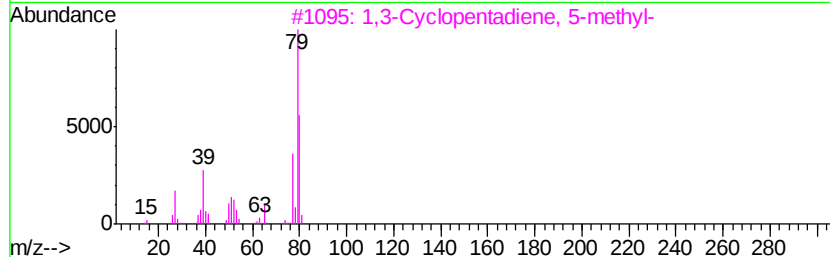
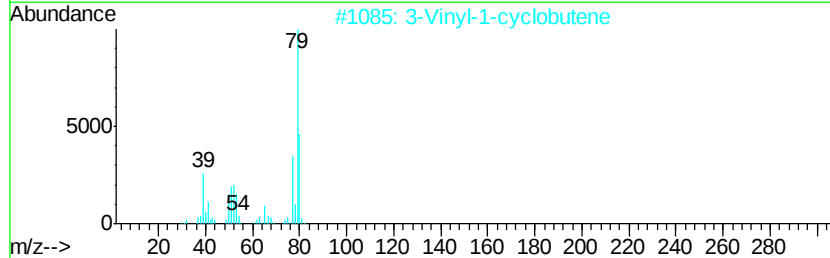
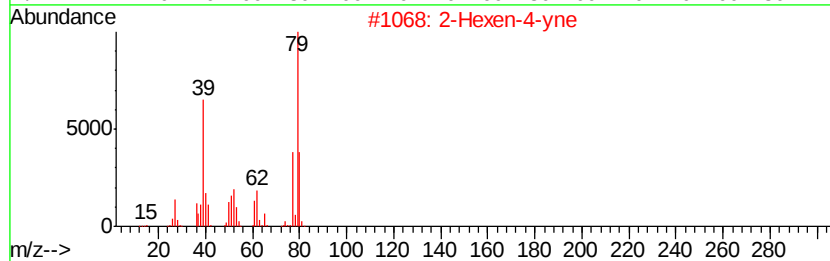
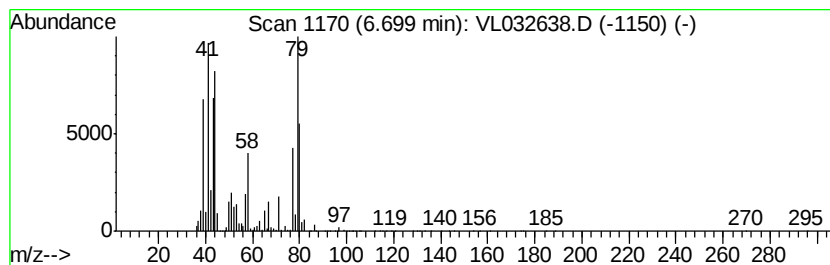
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 2 unknown6.70 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	22.59 ppbv	19510500	1,4-Difluorobenzene	7.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hexen-4-yne	80	C6H8	014092-20-7	45
2		3-Vinyl-1-cyclobutene	80	C6H8	006555-52-8	42
3		1,3-Cyclopentadiene, 5-methyl-	80	C6H8	000096-38-8	38
4		1,3-Cyclohexadiene	80	C6H8	000592-57-4	38
5		1,3-Cyclohexadiene	80	C6H8	000592-57-4	38



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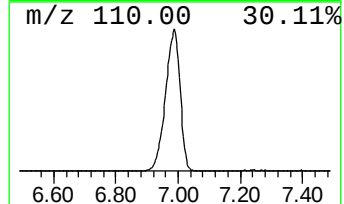
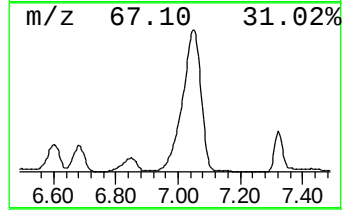
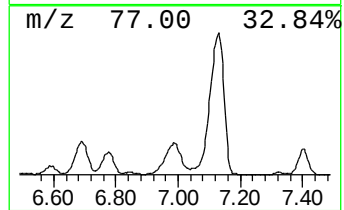
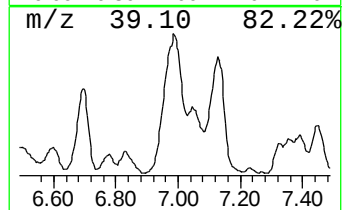
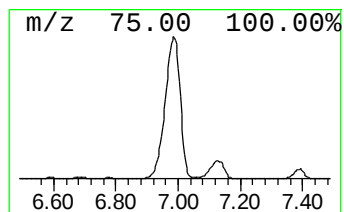
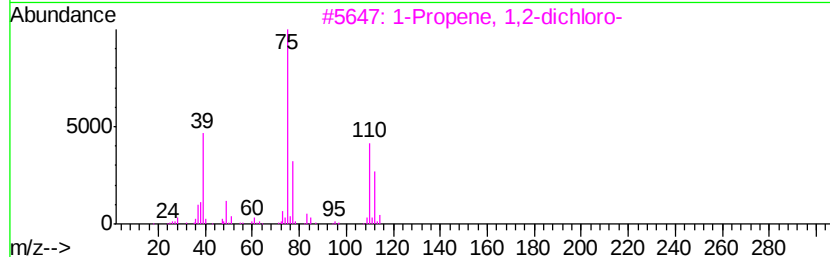
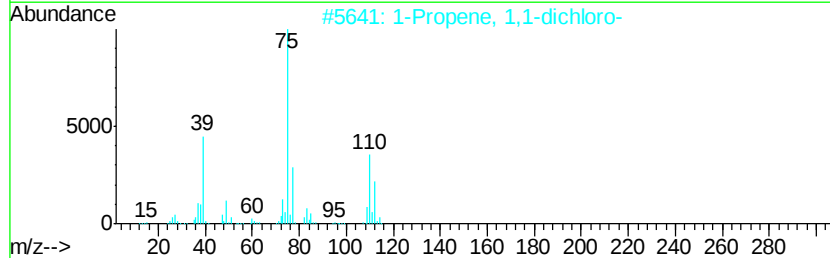
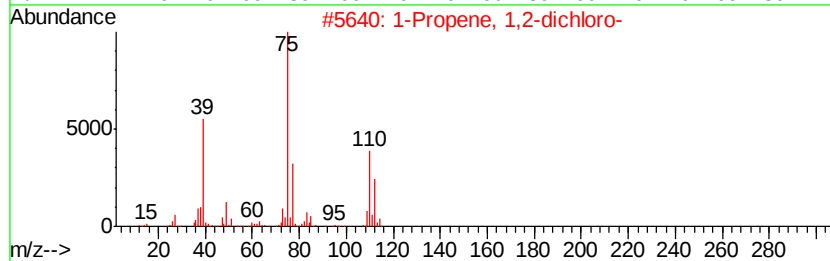
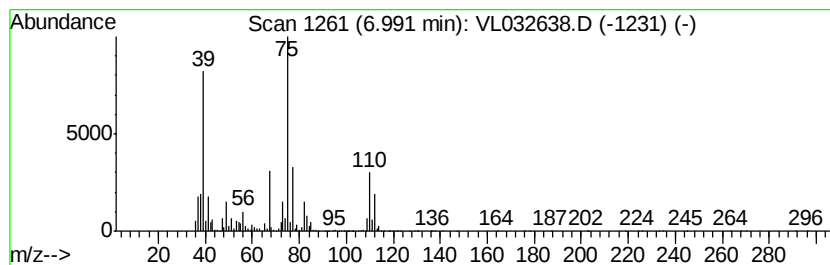
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ClientSampleId :
SS04-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 3 1-Propene, 1,2-dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.99	38.29 ppbv	33073400	1,4-Difluorobenzene	7.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 1,2-dichloro-	110	C3H4Cl2	000563-54-2	95
2	1-Propene, 1,1-dichloro-	110	C3H4Cl2	000563-58-6	95
3	1-Propene, 1,2-dichloro-	110	C3H4Cl2	000563-54-2	94
4	1-Propene, 1,1-dichloro-	110	C3H4Cl2	000563-58-6	92
5	1-Propene, 2,3-dichloro-	110	C3H4Cl2	000078-88-6	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032638.D
Acq On : 17 Oct 2018 13:12
Operator : SY/AP
Sample : J5500-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

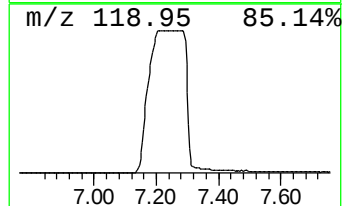
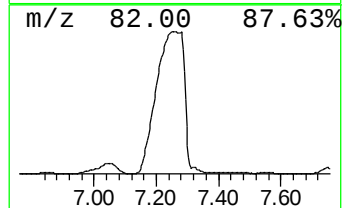
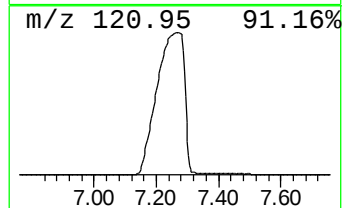
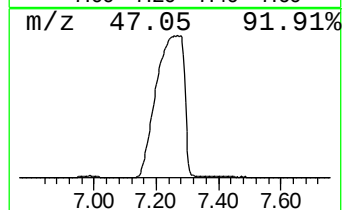
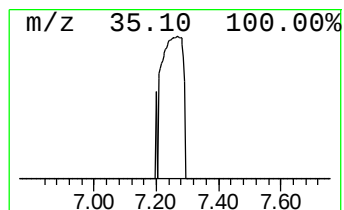
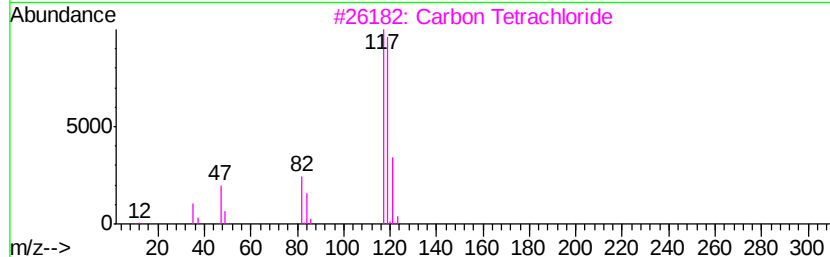
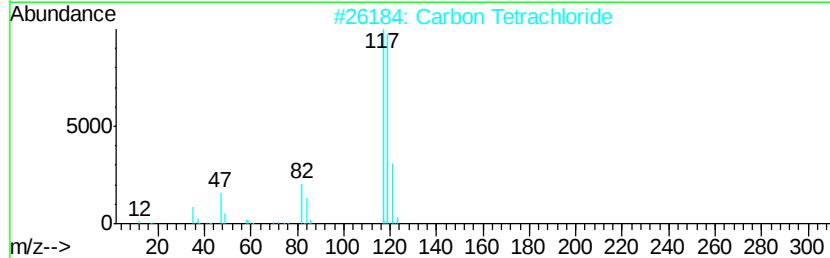
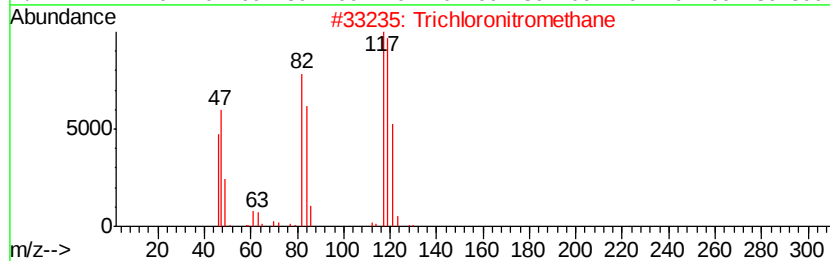
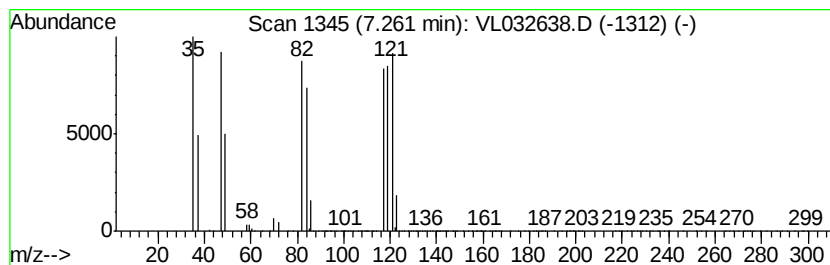
Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 4 Trichloronitromethane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.26	322.06 ppbv	278144000	1,4-Difluorobenzene	7.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloronitromethane	163	CCl3NO2	000076-06-2	53
2	Carbon Tetrachloride	152	CCl4	000056-23-5	40
3	Carbon Tetrachloride	152	CCl4	000056-23-5	38
4	Trichloroacetyl chloride	180	C2Cl4O	000076-02-8	20
5	Hexachloroacetone	262	C3Cl6O	000116-16-5	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032638.D
Acq On : 17 Oct 2018 13:12
Operator : SY/AP
Sample : J5500-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

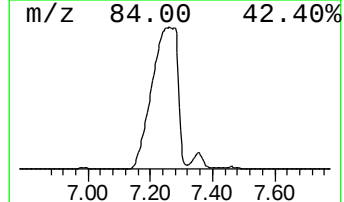
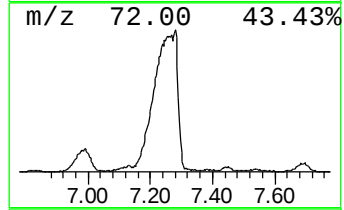
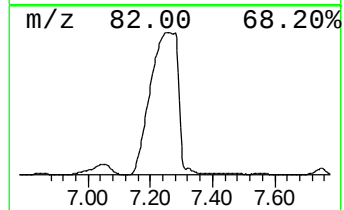
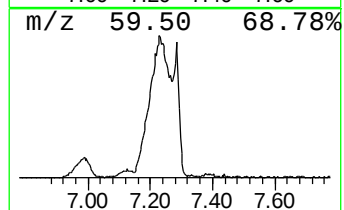
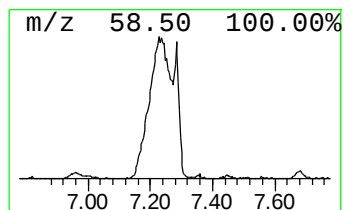
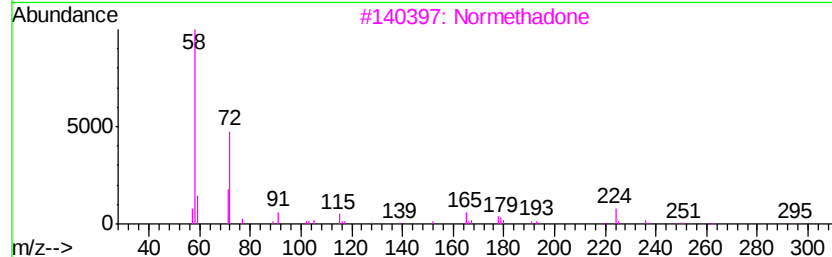
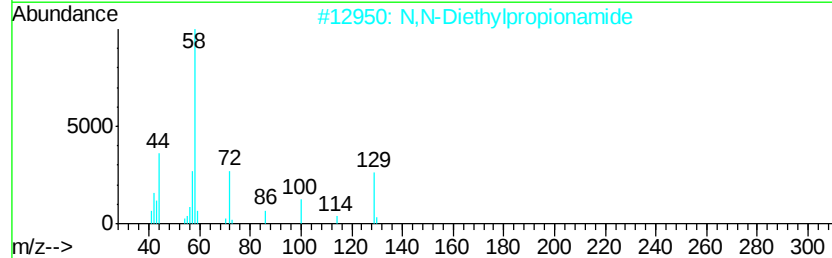
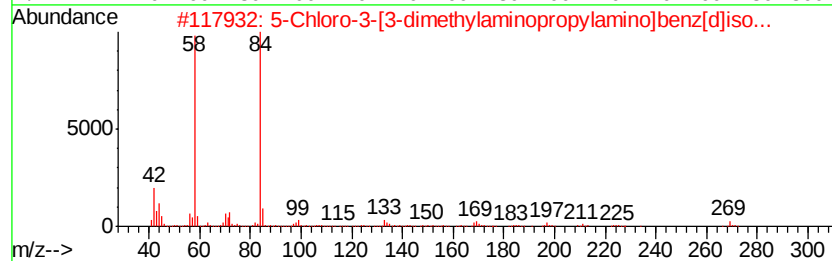
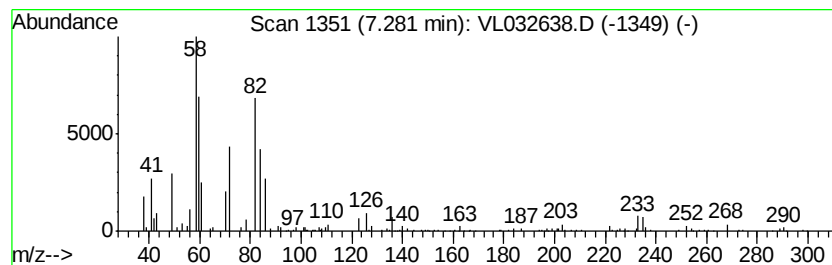
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 5 unknown7.28 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	84.28 ppbv	72791200	1,4-Difluorobenzene	7.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Chloro-3-[3-dimethylaminopropy...	269	C12H16ClN3S	1000256-50-1	22
2		N,N-Diethylpropionamide	129	C7H15NO	001114-51-8	18
3		Normethadone	295	C20H25NO	000467-85-6	12
4		2-Cyclohexylpiperidine	167	C11H21N	056528-77-9	10
5		2-Tridecanone	198	C13H26O	000593-08-8	10



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Operator : SY/AP
Sample : J5500-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

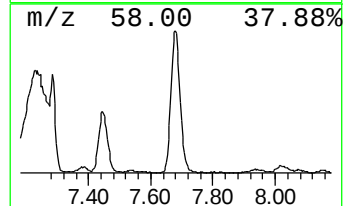
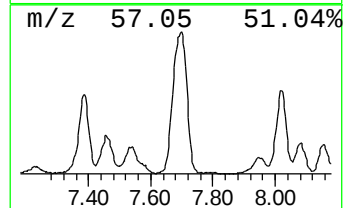
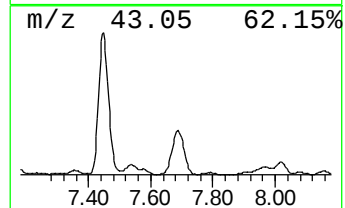
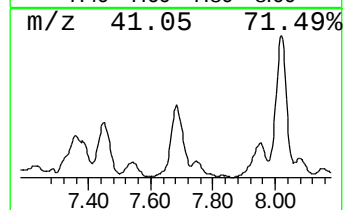
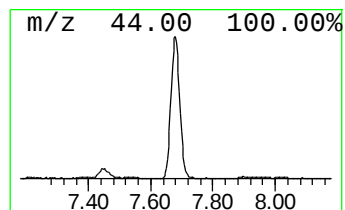
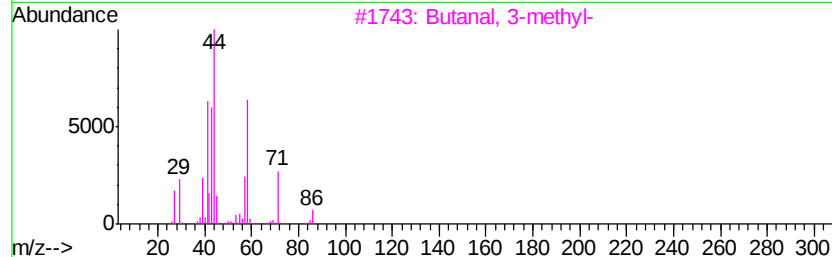
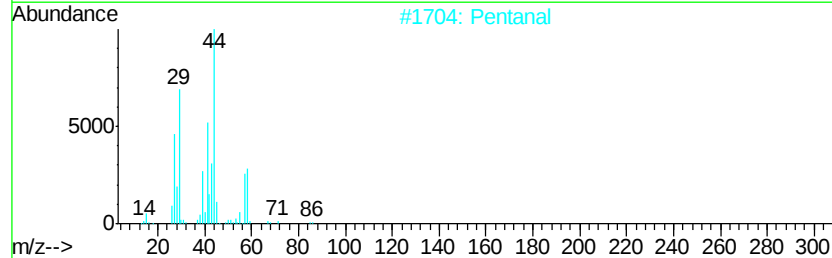
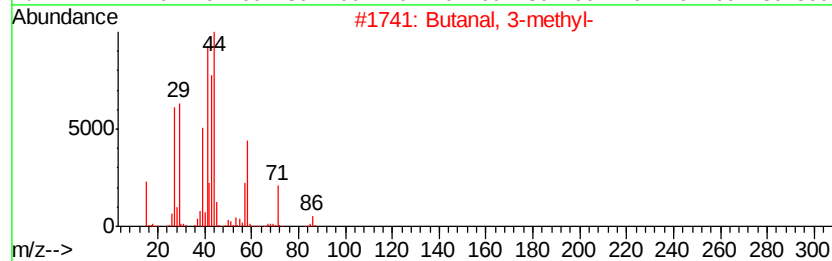
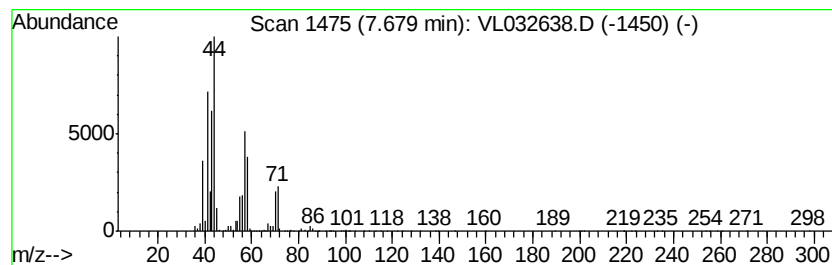
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

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

Peak Number 6 Butanal, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	28.82 ppbv	24893300	1,4-Difluorobenzene	7.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-		86	C5H10O	000590-86-3	50
2	Pentanal		86	C5H10O	000110-62-3	46
3	Butanal, 3-methyl-		86	C5H10O	000590-86-3	38
4	Nitroxide, bis(1,1-dimethylethyl)		144	C8H18NO	002406-25-9	27
5	1-Propene, 3,3'-oxybis-		98	C6H10O	000557-40-4	27



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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018

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

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---
					# RT Resp Conc
unknown6.70	6.70	22.6	ppbv	19510500	2 7.39 8636530 10.0
1-Propene, 1,2-di...	6.99	38.3	ppbv	33073400	2 7.39 8636530 10.0
Trichloronitromet...	7.26	322.1	ppbv	278144000	2 7.39 8636530 10.0
unknown7.28	7.28	84.3	ppbv	72791200	2 7.39 8636530 10.0
Butanal, 3-methyl-	7.68	28.8	ppbv	24893300	2 7.39 8636530 10.0