LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.929	561	573	585	rBV	2696108	4295895	24.12%	1.848%
2	3.009	591	598	610	rBV2	717491	1170085	6.57%	0.503%
3	3.083	610	621	640	rVB3	1104833	1725043	9.68%	0.742%
4	3.190	647	654	669	rVB3	161554	314348	1.76%	0.135%
5	3.273	669	680	699	rVB2	1621161	2369712	13.30%	1.019%
6	3.379	703	713	722	rBV2	1112580	1510033	8.48%	0.649%
7	3.434	722	730	740	rVB	1435278	1895647	10.64%	0.815%
8	3.698	799	812	835	rBV	1682534	3775852	21.20%	1.624%
9	3.939	876	887	893	rVV	4590752	7052396	39.59%	3.033%
10	3.961	893	894	910	rVV	2033836	2522488	14.16%	1.085%
11	4.077	912	930	952	rVV	2025857	4686221	26.31%	2.016%
12	4.234	969	979	989	rVV2	1681941	2494057	14.00%	1.073%
13	4.296	989	998	1014	rVB4	661758	1110450	6.23%	0.478%
14	4.418	1021	1036	1040	rBV2	225088	386071	2.17%	0.166%
15	4.456	1040	1048	1065	rVB	1223957	2154101	12.09%	0.927%
16	4.672	1105	1115	1121	rBV2	160299	255388	1.43%	0.110%
17	5.090	1234	1245	1260	rBV	582082	1134306	6.37%	0.488%
18	5.189	1262	1276	1284	rVV3	723965	1350432	7.58%	0.581%
19	5.241	1284	1292	1304	rVV3	1235380	2179153	12.23%	0.937%
20	5.302	1304	1311	1323	rVB3	193726	326362	1.83%	0.140%
21	5.379	1323	1335	1350	rBV2	784111	1380350	7.75%	0.594%
22	5.511	1361	1376	1389	rBV2	411280	757286	4.25%	0.326%
23	5.591	1389	1401	1423	rVV2	488672	895021	5.02%	0.385%
24	5.816	1456	1471	1488	rBV2	8515587	17811551	100.00%	7.661%
25	5.906	1488	1499	1512	rVV	1334864	2539334	14.26%	1.092%
26	5.968	1512	1518	1529	rVB4	124026	201317	1.13%	0.087%
27	6.209	1585	1593	1604	rVB4	117900	228988	1.29%	0.098%
28	6.479	1666	1677	1694	rBV5	172131	406043	2.28%	0.175%
29	6.987	1825	1835	1850	rBV3	382403	970281	5.45%	0.417%
30	7.061	1852	1858	1869	rVB2	166619	294786	1.66%	0.127%
31	7.193	1885	1899	1916	rVB2	977403	2011793	11.29%	0.865%
32	7.305	1919	1934	1940	rBV2	1556775	3053897	17.15%	1.314%
33	7.353	1940	1949	1962	rVV2	4284350	8475940	47.59%	3.646%
34	7.424	1962	1971	1985	rVV3	288288	602150	3.38%	0.259%

LSC Area Percent Report

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Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

35	7.501	1985	1995	2007	rVB4	99030	196712	1.10%	0.085%
36	7.659	2029	2044	2059	rBV5	523389	1174850	6.60%	0.505%
37	7.919	2106	2125	2127	rBV5	90048	189228	1.06%	0.081%
38	8.051	2153	2166	2187	rVB3	160018	524687	2.95%	0.226%
39	8.305	2233	2245	2259	rBV4	280766	541044	3.04%	0.233%
40	8.945	2432	2444	2454	rBV4	124903	284762	1.60%	0.122%
41	9.016	2454	2466	2478	rVB5	141208	293247	1.65%	0.126%
42	9.836	2708	2721	2739	rBV4	142084	338084	1.90%	0.145%
43	10.009	2759	2775	2792	rVB2	2302152	4924379	27.65%	2.118%
44	10.311	2858	2869	2889	rVB4	232282	581690	3.27%	0.250%
45	10.627	2953	2967	2982	rBV3	881790	1896694	10.65%	0.816%
46	10.784	2998	3016	3024	rBV9	108105	292230	1.64%	0.126%
47	11.167	3121	3135	3153	rBV3	728902	1543921	8.67%	0.664%
48	11.282	3161	3171	3189	rVB4	172803	393766	2.21%	0.169%
49	11.437	3208	3219	3232	rVB6	169383	382078	2.15%	0.164%
50	11.887	3332	3359	3381	rBV2	3160844	8843215	49.65%	3.804%
51	12.032	3388	3404	3422	rVB3	725776	1700822	9.55%	0.732%
52	12.308	3469	3490	3508	rBV2	4788007	11156048	62.63%	4.798%
53	12.562	3554	3569	3586	rVB5	502034	1203842	6.76%	0.518%
54	12.929	3669	3683	3701	rVB2	614401	1365291	7.67%	0.587%
55	13.089	3720	3733	3748	rBV4	130944	278185	1.56%	0.120%
56	13.186	3748	3763	3783	rBV	1530854	4464792	25.07%	1.920%
57	13.289	3783	3795	3813	rVB3	775679	1808911	10.16%	0.778%
58	13.437	3828	3841	3842	rBV4	146314	196347	1.10%	0.084%
59	13.446	3842	3844	3856	rVV2	152383	200695	1.13%	0.086%
60	13.633	3883	3902	3924	rBV5	664387	1813166	10.18%	0.780%
61	13.761	3924	3942	3963	rBV9	405168	1244591	6.99%	0.535%
62	13.916	3974	3990	4005	rVB	983395	2191355	12.30%	0.943%
63	14.054	4026	4033	4042	rVV3	111344	241605	1.36%	0.104%
64	14.359	4112	4128	4144	rBV3	413504	907043	5.09%	0.390%
65	14.642	4197	4216	4233	rBV2	4542845	10713995	60.15%	4.608%
66	14.887	4281	4292	4304	rBV2	80922	182038	1.02%	0.078%
67	15.395	4429	4450	4457	rBV9	158389	449207	2.52%	0.193%
68	15.446	4457	4466	4473	rBV5	114502	234612	1.32%	0.101%
69	15.540	4484	4495	4511	rVB3	634634	1552707	8.72%	0.668%
70	15.707	4534	4547	4557	rBV6	103584	227953	1.28%	0.098%
71	15.787	4557	4572	4586	rVB	203434	494181	2.77%	0.213%

LSC Area Percent Report

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Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

72	15.999	4621	4638	4648	rBV2	560465	1324755	7.44%	0.570%
73	16.067	4648	4659	4681	rVB5	331553	892145	5.01%	0.384%
74	16.224	4689	4708	4724	rBV4	402346	1195283	6.71%	0.514%
75	16.334	4724	4742	4758	rVV6	428114	1486758	8.35%	0.639%
76	16.530	4785	4803	4804	rBV7	292133	586741	3.29%	0.252%
77	16.549	4804	4809	4825	rVB4	314422	704159	3.95%	0.303%
78	16.793	4874	4885	4893	rBV5	358744	789662	4.43%	0.340%
79	16.851	4893	4903	4920	rVB7	380856	1066964	5.99%	0.459%
80	16.993	4932	4947	4964	rBV2	949888	2219719	12.46%	0.955%
81	17.183	4986	5006	5028	rVB	5207593	15108261	84.82%	6.498%
82	17.334	5037	5053	5071	rVB3	1673550	3999902	22.46%	1.720%
83	17.719	5148	5173	5179	rBV3	237534	726804	4.08%	0.313%
84	17.774	5179	5190	5199	rBV7	259120	655526	3.68%	0.282%
85	17.829	5206	5207	5215	rVB	235165	203749	1.14%	0.088%
86	18.038	5254	5272	5286	rVB4	252162	632330	3.55%	0.272%
87	18.179	5292	5316	5340	rBV4	4343129	11483418	64.47%	4.939%
88	18.395	5362	5383	5384	rBV5	310860	546147	3.07%	0.235%
89	18.404	5384	5386	5396	rVB3	236518	305107	1.71%	0.131%
90	18.588	5427	5443	5473	rVB5	454721	1733230	9.73%	0.745%
91	18.787	5499	5505	5519	rVB6	204702	435754	2.45%	0.187%
92	18.928	5530	5549	5559	rBV9	267237	691210	3.88%	0.297%
93	19.080	5576	5596	5598	rBV4	630665	1115430	6.26%	0.480%
94	19.089	5598	5599	5608	rVB2	362376	270069	1.52%	0.116%
95	19.176	5625	5626	5639	rVB7	181301	273450	1.54%	0.118%
96	19.279	5655	5658	5671	rVB3	323025	505663	2.84%	0.217%
97	19.356	5671	5682	5694	rVV8	241934	554688	3.11%	0.239%
98	19.420	5694	5702	5718	rVB10	122884	334774	1.88%	0.144%
99	19.588	5740	5754	5758	rBV2	109170	227486	1.28%	0.098%
100	19.674	5761	5781	5782	rBV6	261951	524825	2.95%	0.226%
101	19.735	5789	5800	5818	rVB3	1079129	2540175	14.26%	1.093%
102	19.951	5853	5867	5868	rBV6	133660	222826	1.25%	0.096%
103	19.961	5868	5870	5885	rVB6	116536	195242	1.10%	0.084%
104	20.125	5907	5921	5937	rBV3	1350231	3225175	18.11%	1.387%
105	20.266	5946	5965	5982	rVB4	712835	1970553	11.06%	0.848%
106	20.407	5995	6009	6010	rBV2	331019	460487	2.59%	0.198%
107	20.414	6010	6011	6028	rVB3	333299	471835	2.65%	0.203%
108	20.597	6052	6068	6069	rBV5	288557	495176	2.78%	0.213%
109	20.629	6075	6078	6111	rVB5	367362	1183575	6.64%	0.509%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

110	20.797	6111	6130	6149	rBV9	200582	645974	3.63%	0.278%
111	20.938	6162	6174	6184	rBV2	101970	254206	1.43%	0.109%
112	21.054	6198	6210	6212	rBV2	236013	325563	1.83%	0.140%
113	21.063	6212	6213	6223	rVB3	219243	208360	1.17%	0.090%
114	21.285	6280	6282	6297	rVB10	139210	201094	1.13%	0.086%
115	21.713	6387	6415	6442	rVB2	4150250	15201135	85.34%	6.538%
116	22.192	6551	6564	6565	rBV3	143609	215354	1.21%	0.093%
117	22.488	6640	6656	6670	rBV4	115721	339100	1.90%	0.146%
118	22.703	6706	6723	6724	rBV3	318590	460159	2.58%	0.198%
119	22.710	6724	6725	6743	rVB7	325420	613803	3.45%	0.264%
120	23.031	6806	6825	6850	rVB3	1229603	3152577	17.70%	1.356%
121	23.456	6955	6957	6975	rVB6	125434	211693	1.19%	0.091%
122	24.993	7423	7435	7446	rBV4	186108	395320	2.22%	0.170%
123	25.243	7500	7513	7527	rVB2	464920	903682	5.07%	0.389%
124	25.783	7669	7681	7689	rBV7	95981	188609	1.06%	0.081%
125	26.140	7791	7792	7808	rVB3	158820	192367	1.08%	0.083%
126	26.227	7808	7819	7830	rBV2	137813	261266	1.47%	0.112%

Sum of corrected areas: 232494065

LSC Report - Integrated Chromatogram

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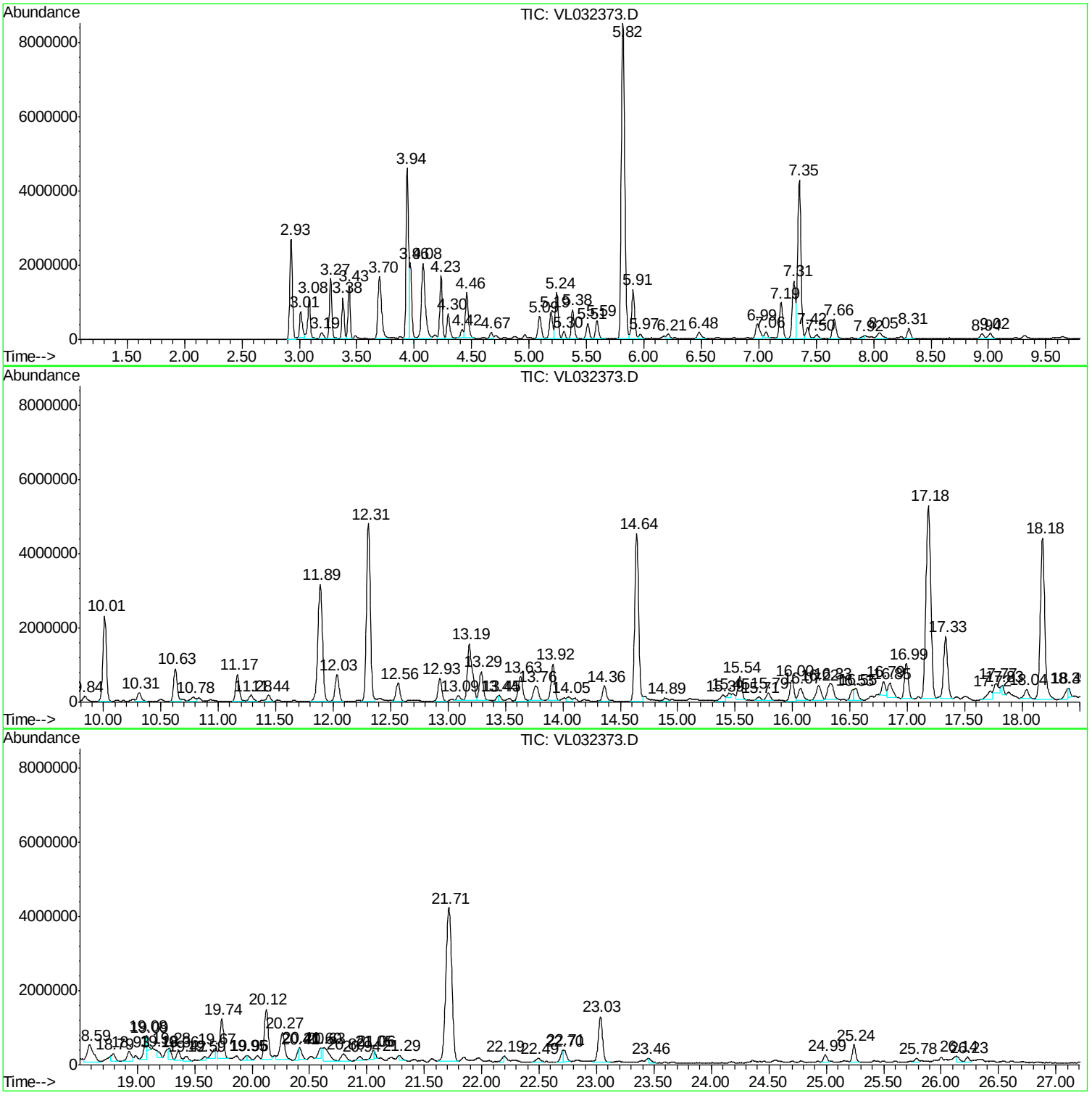
Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
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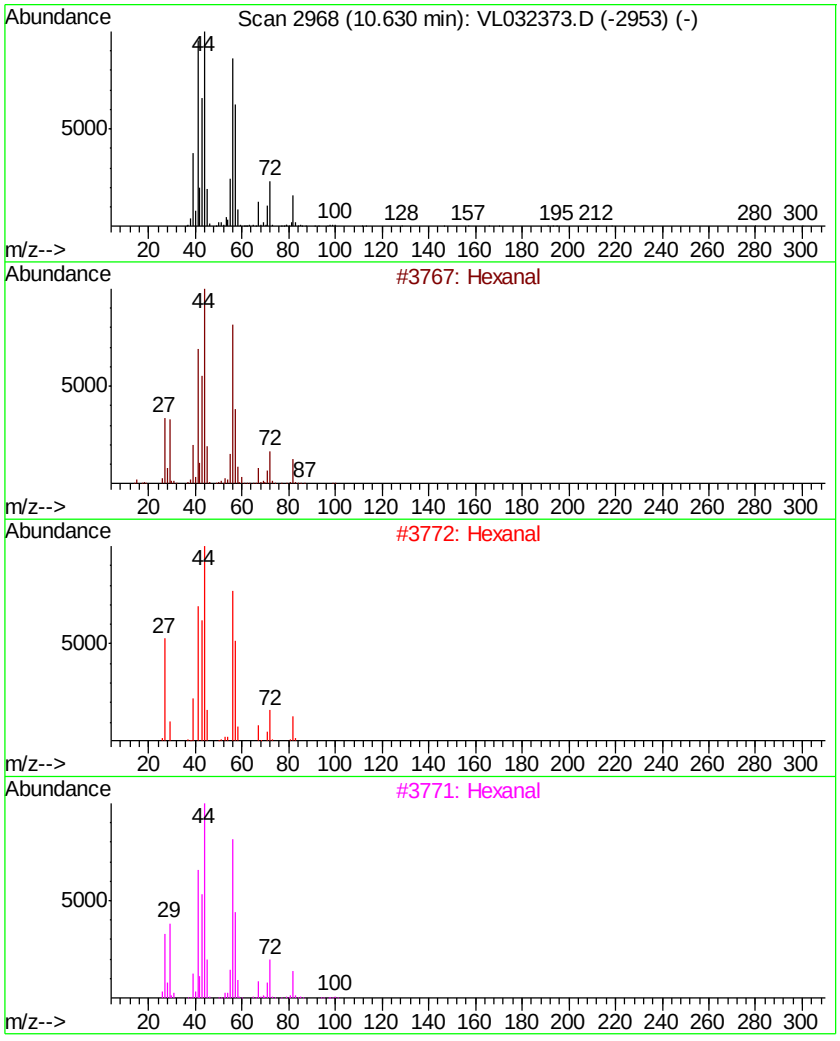
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

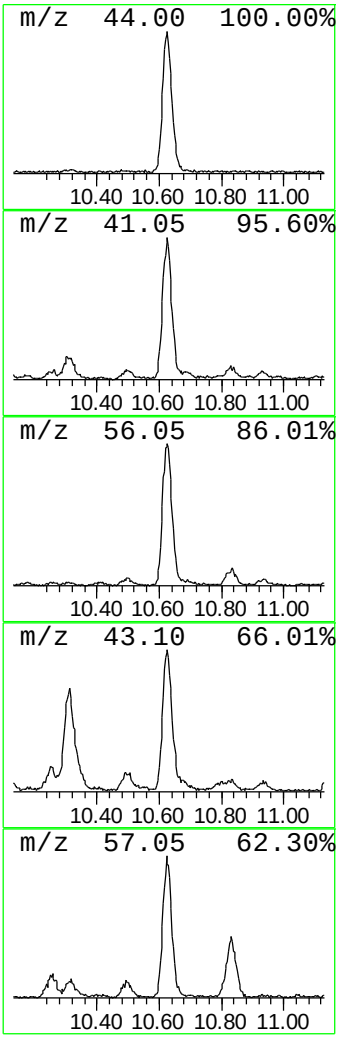
****

Peak Number 2 Hexanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	1.70 ppbv	1896690	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	76
2	Hexanal	100	C6H12O	000066-25-1	72
3	Hexanal	100	C6H12O	000066-25-1	64
4	Hexanal	100	C6H12O	000066-25-1	64
5	Butanal	72	C4H8O	000123-72-8	43





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Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
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Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

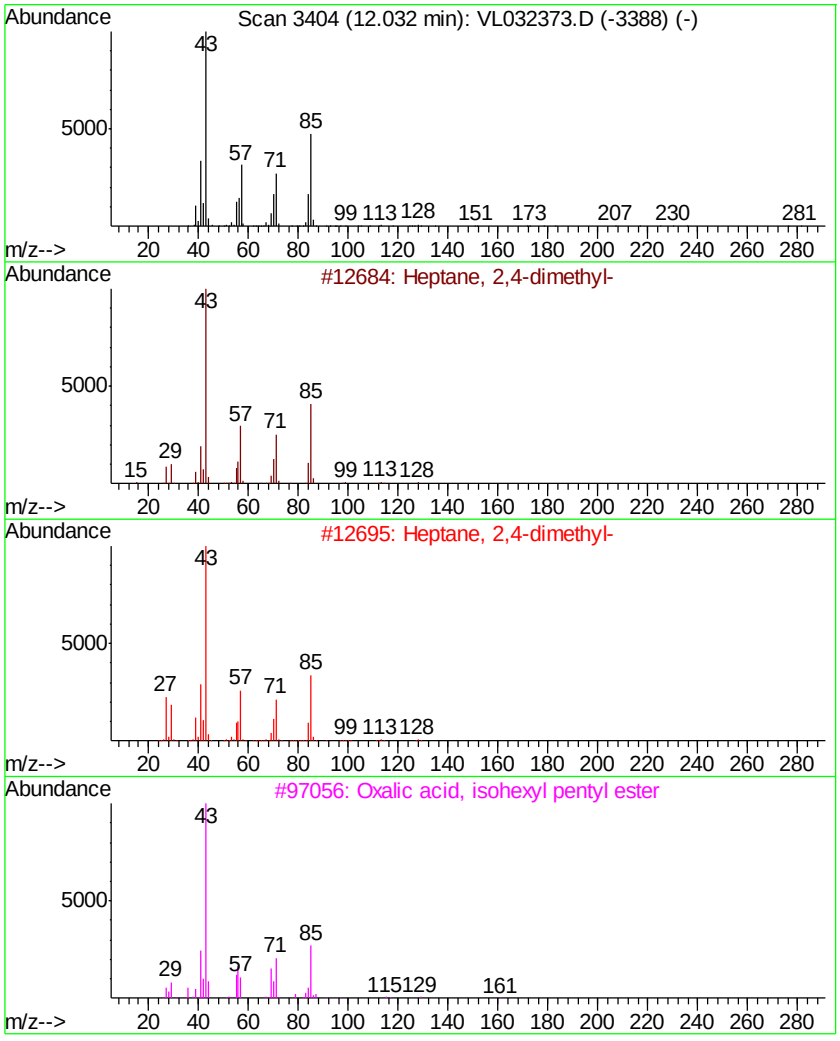
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

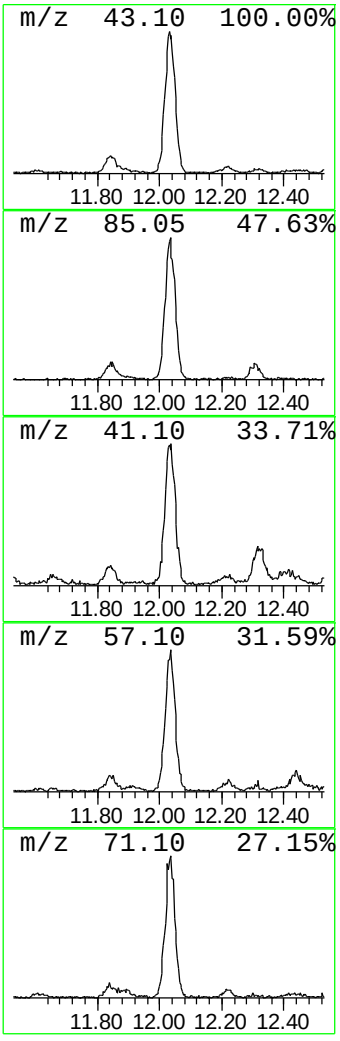
****

Peak Number 4 Heptane, 2,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	1.52 ppbv	1700820	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	91
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	91
3	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	83
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	81
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

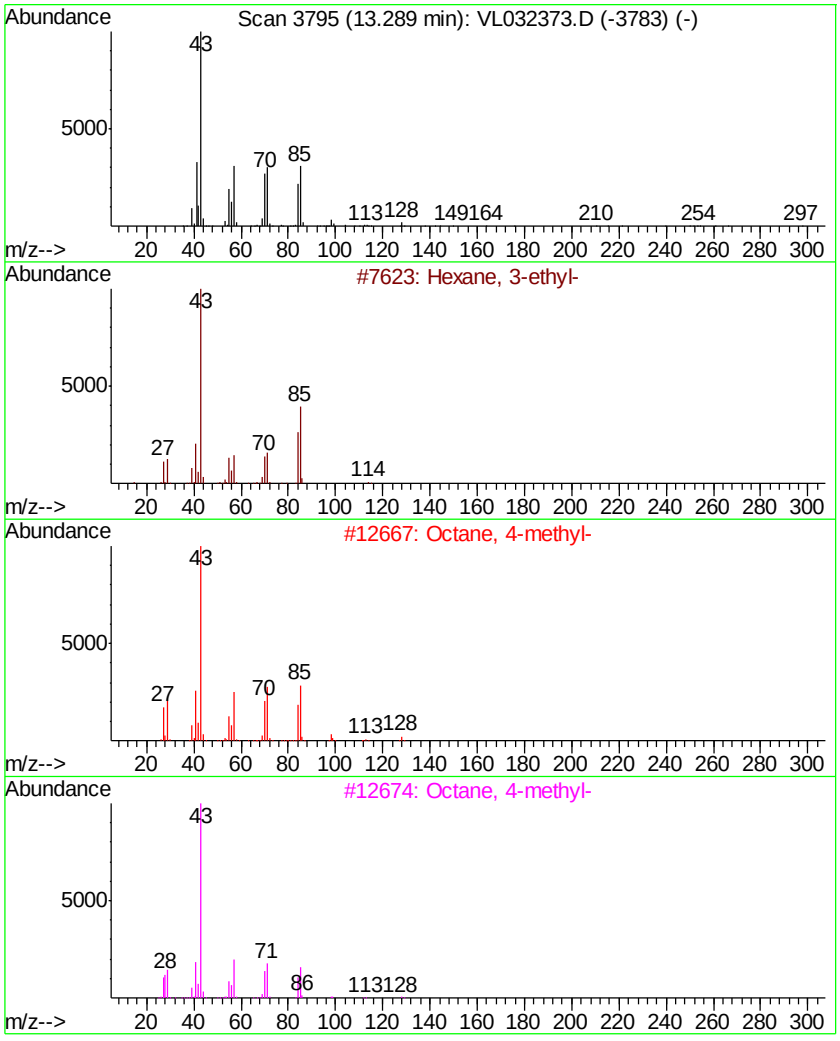
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

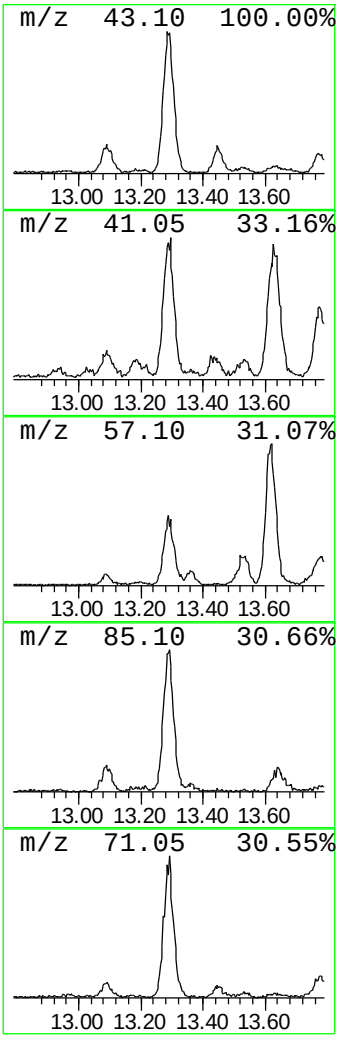
****

Peak Number 5 Hexane, 3-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	1.62 ppbv	1808910	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	83
2	Octane, 4-methyl-	128	C9H20	002216-34-4	80
3	Octane, 4-methyl-	128	C9H20	002216-34-4	74
4	Octane, 4-methyl-	128	C9H20	002216-34-4	64
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	64





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Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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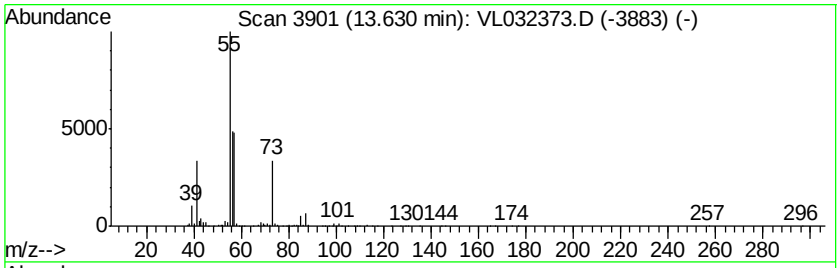
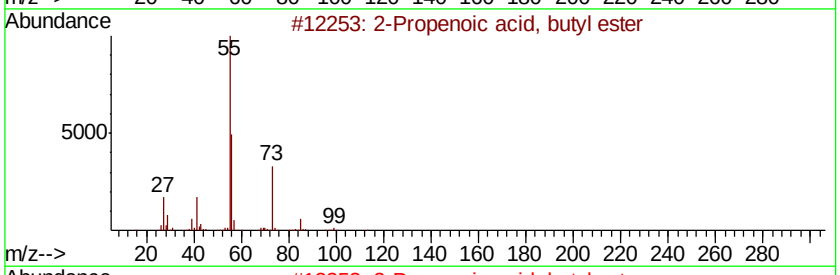
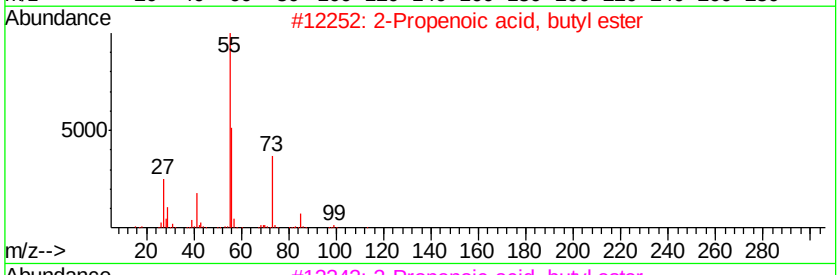
Peak Number 6 2-Propenoic acid, butyl ester Concentration Rank 12

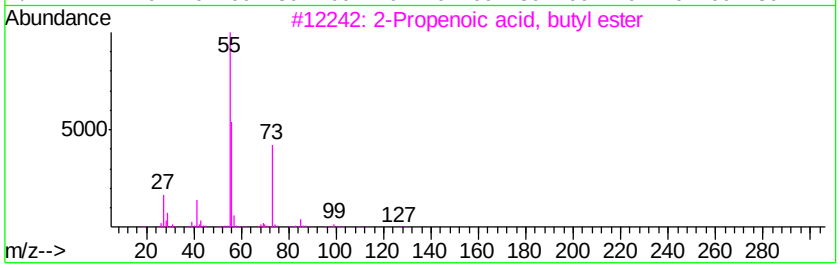
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	1.63 ppbv	1813170	Chlorobenzene-d5	12.30

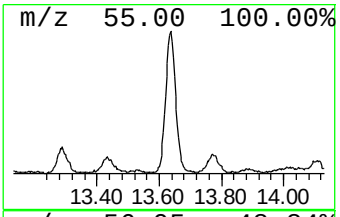
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, butyl ester	128	C7H12O2	000141-32-2	72
2	2-Propenoic acid, butyl ester	128	C7H12O2	000141-32-2	64
3	2-Propenoic acid, butyl ester	128	C7H12O2	000141-32-2	38
4	Isobutyl acrylate	128	C7H12O2	000106-63-8	36
5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	12

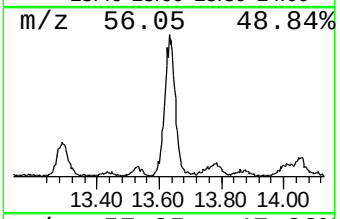


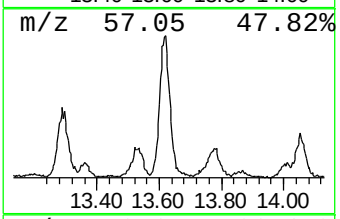


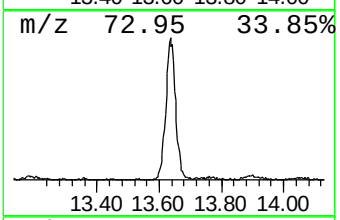


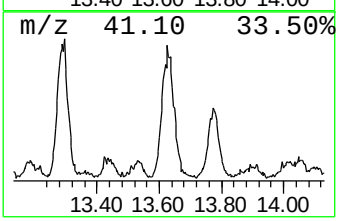












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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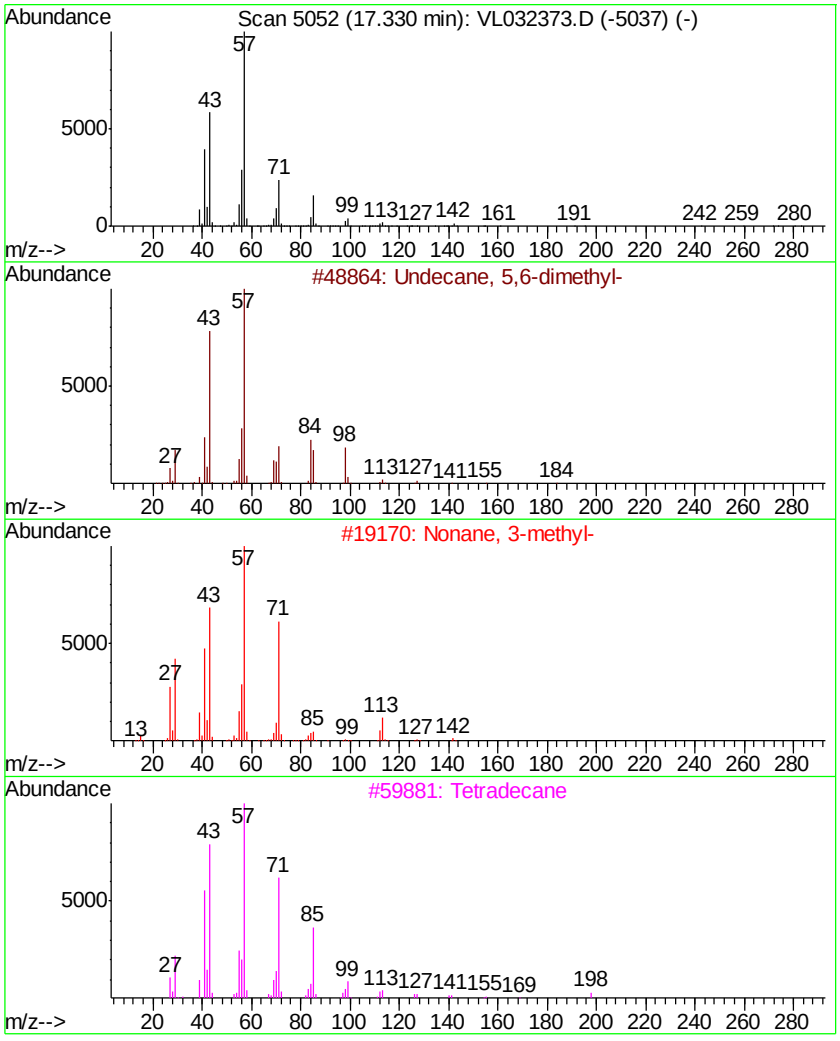
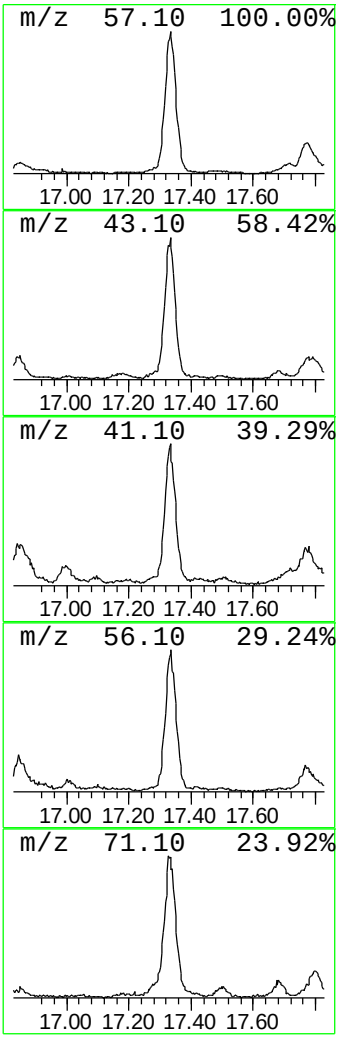
Peak Number 8 Undecane, 5,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	3.59 ppbv	3999900	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	64
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
3	Tetradecane	198	C14H30	000629-59-4	53
4	Hexadecane	226	C16H34	000544-76-3	53
5	3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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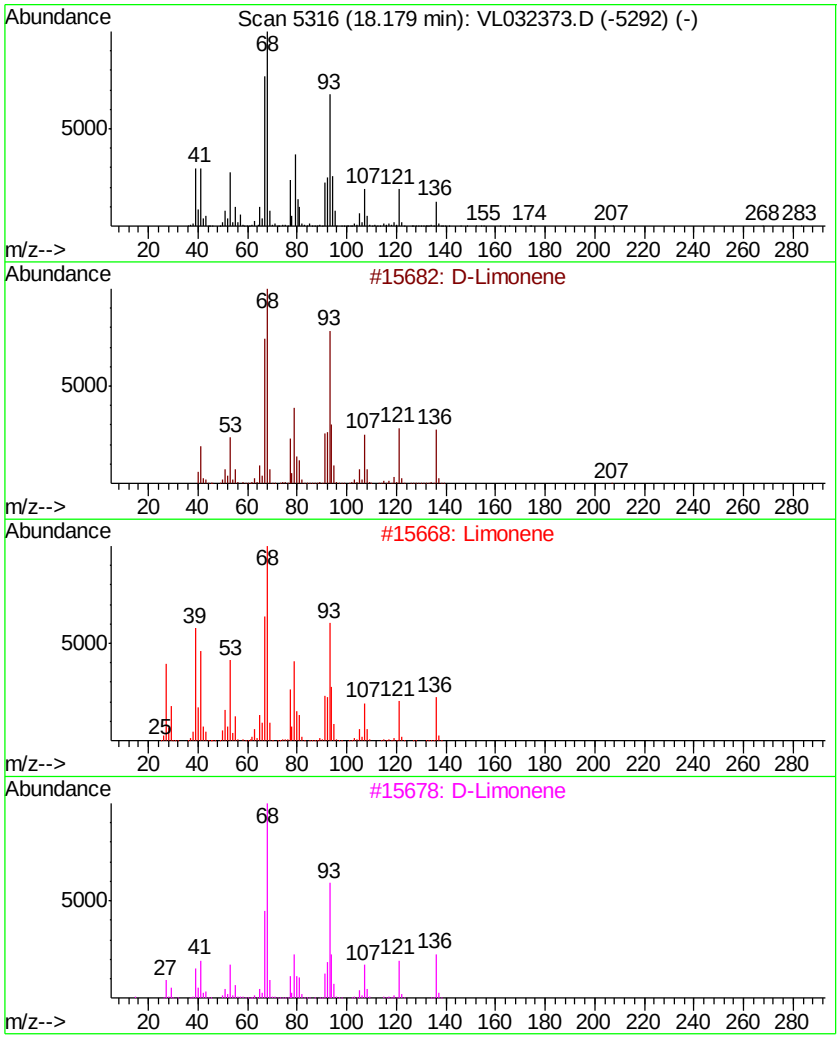
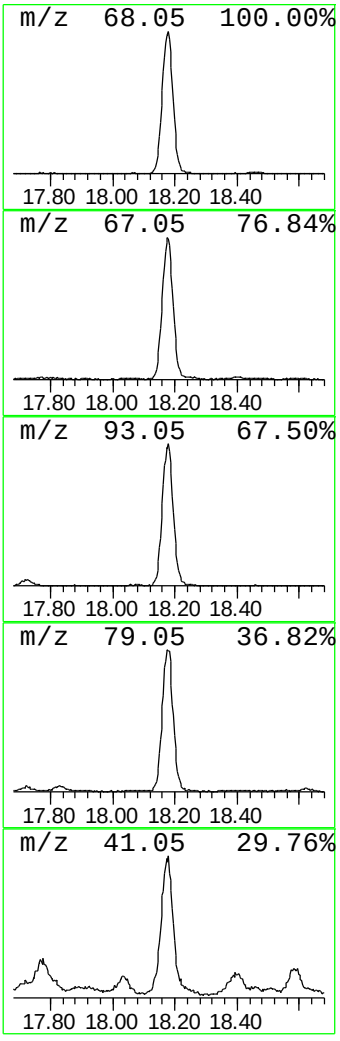
Peak Number 9 D-Limonene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	10.29 ppbv	11483400	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	Limonene	136	C10H16	000138-86-3	94
3	D-Limonene	136	C10H16	005989-27-5	93
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	91
5	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	90





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Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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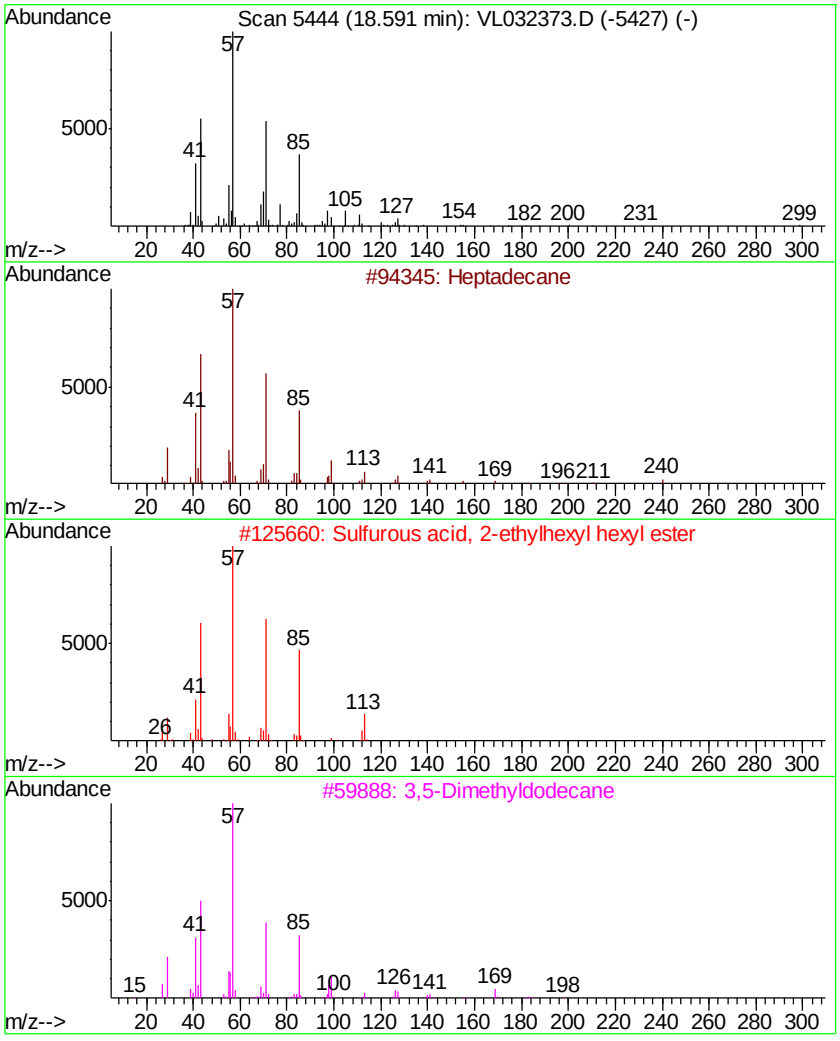
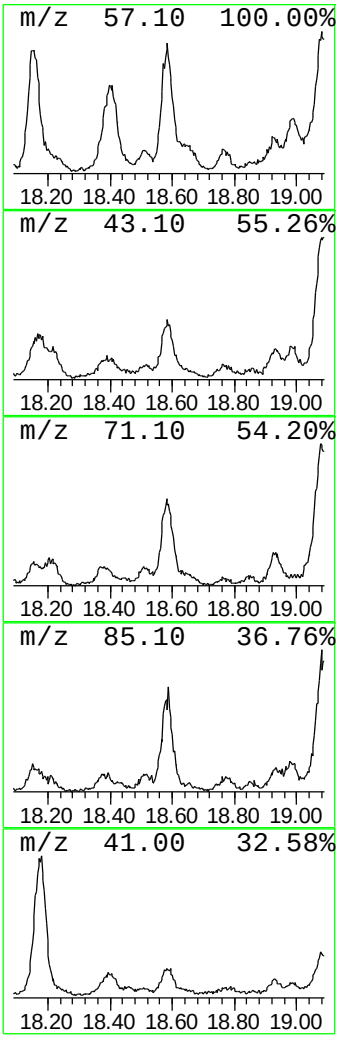
Peak Number 10 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	1.55 ppbv	1733230	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	64
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	53
4	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	47
5	Tridecane	184	C13H28	000629-50-5	47





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Data File : VL032373.D
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Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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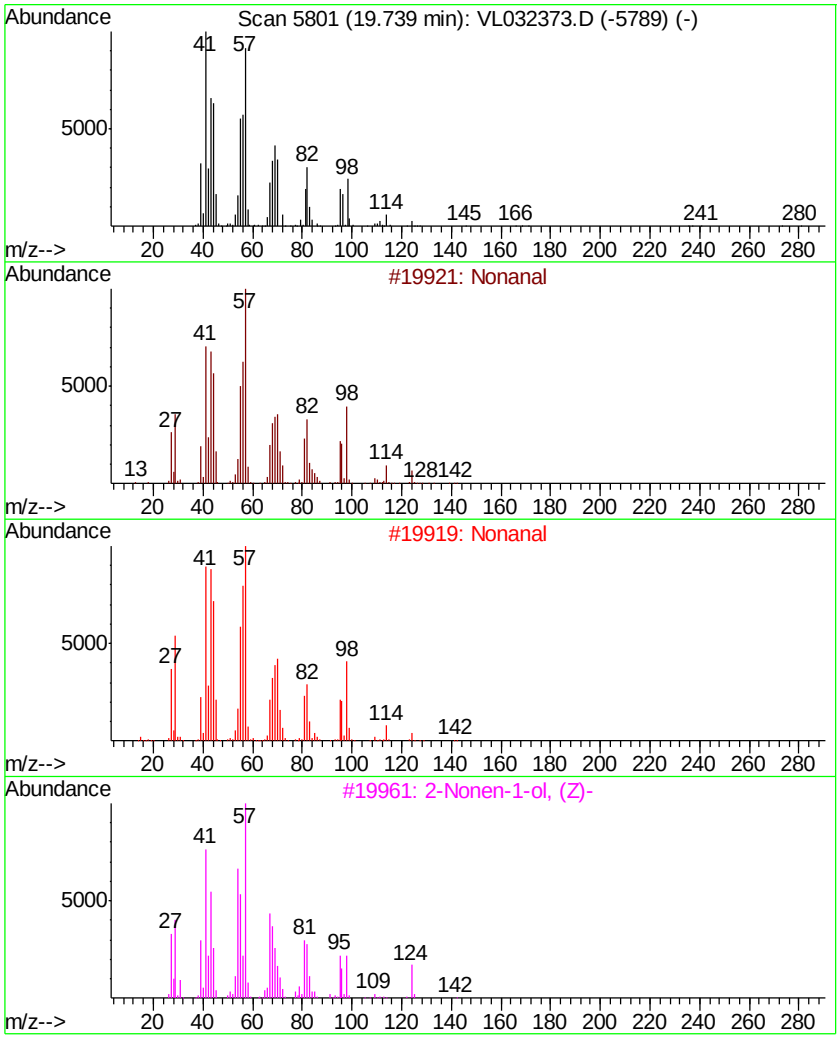
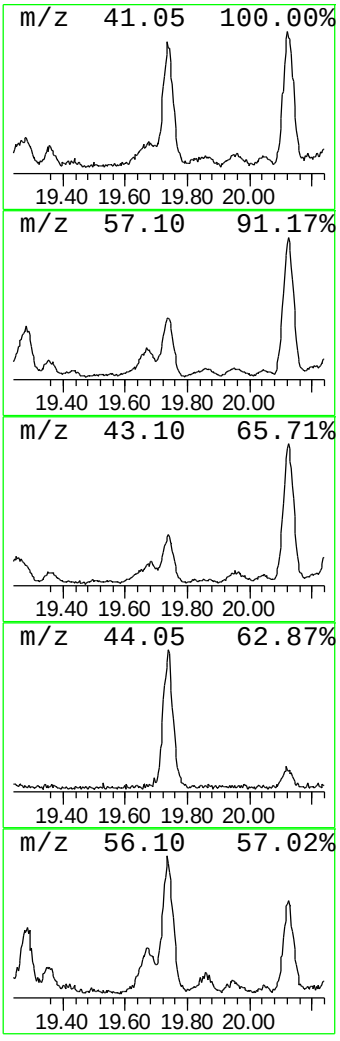
Peak Number 11 Nonanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	2.28 ppbv	2540180	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	90
2	Nonanal	142	C9H18O	000124-19-6	72
3	2-Nonen-1-ol, (Z)-	142	C9H18O	041453-56-9	46
4	Cycloheptane	98	C7H14	000291-64-5	35
5	2-Nonen-1-ol, (Z)-	142	C9H18O	041453-56-9	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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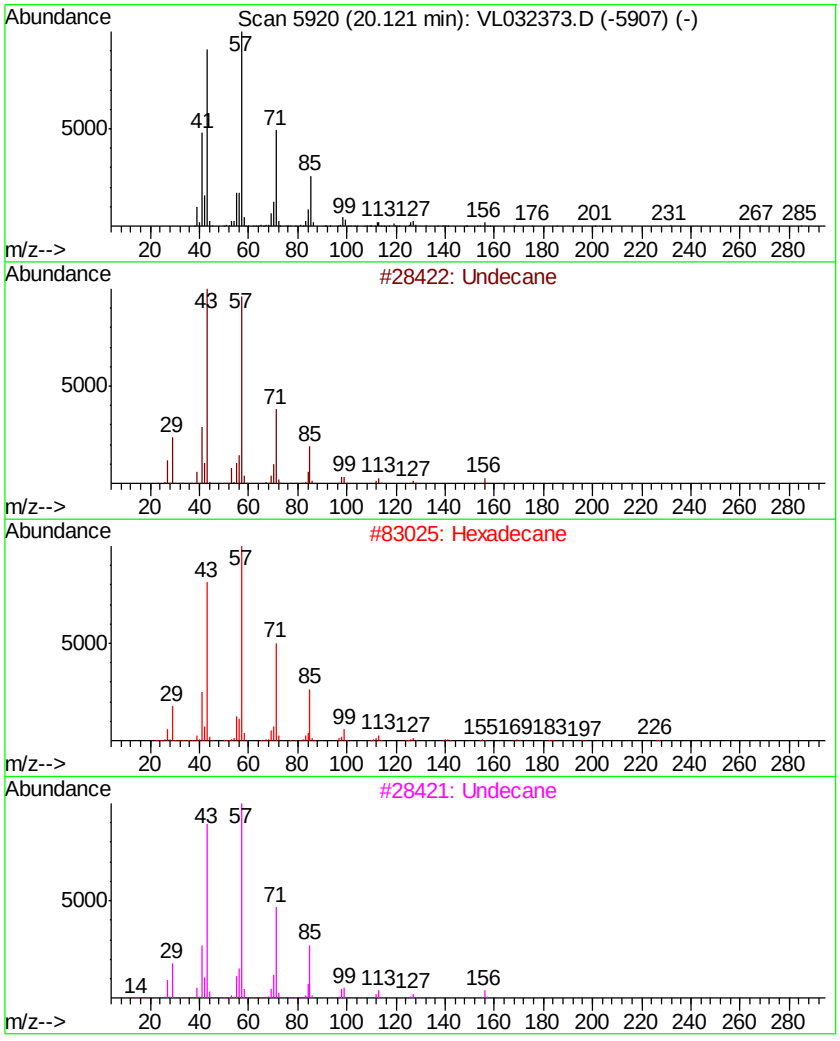
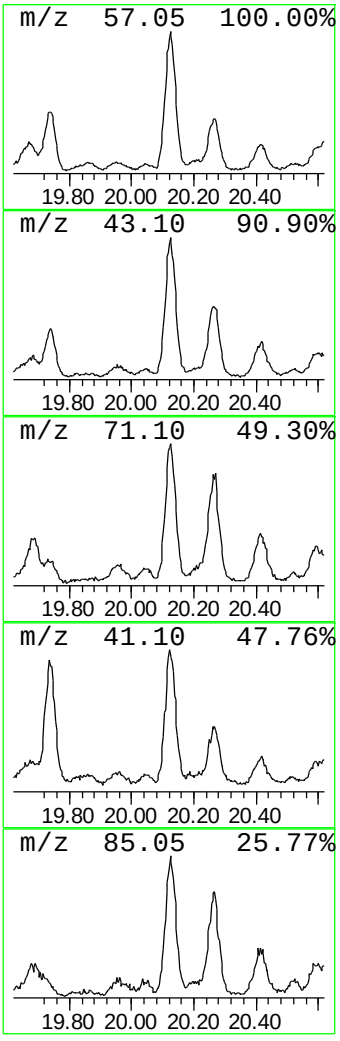
Peak Number 12 Undecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	2.89 ppbv	3225180	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Undecane	156	C11H24	001120-21-4	83
4	Hexadecane	226	C16H34	000544-76-3	83
5	Tetradecane	198	C14H30	000629-59-4	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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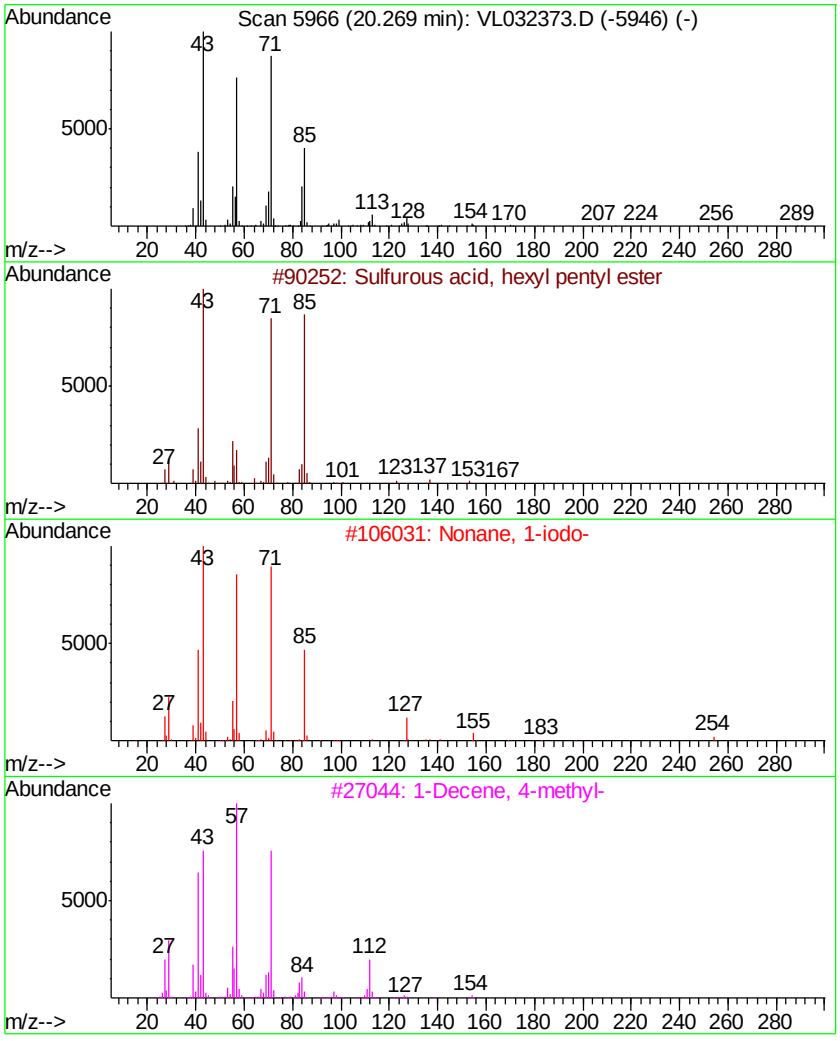
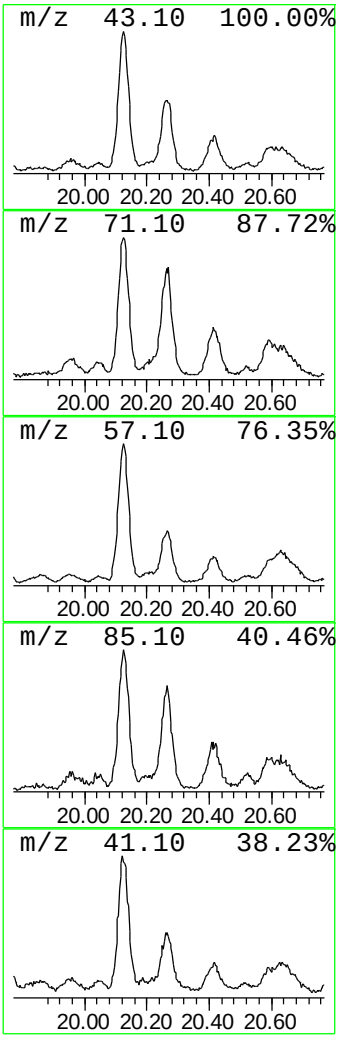
Peak Number 13 Sulfurous acid, hexyl penty... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	1.77 ppbv	1970550	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	64
2	Nonane, 1-iodo-	254	C9H19I	004282-42-2	59
3	1-Decene, 4-methyl-	154	C11H22	013151-29-6	58
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	53





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Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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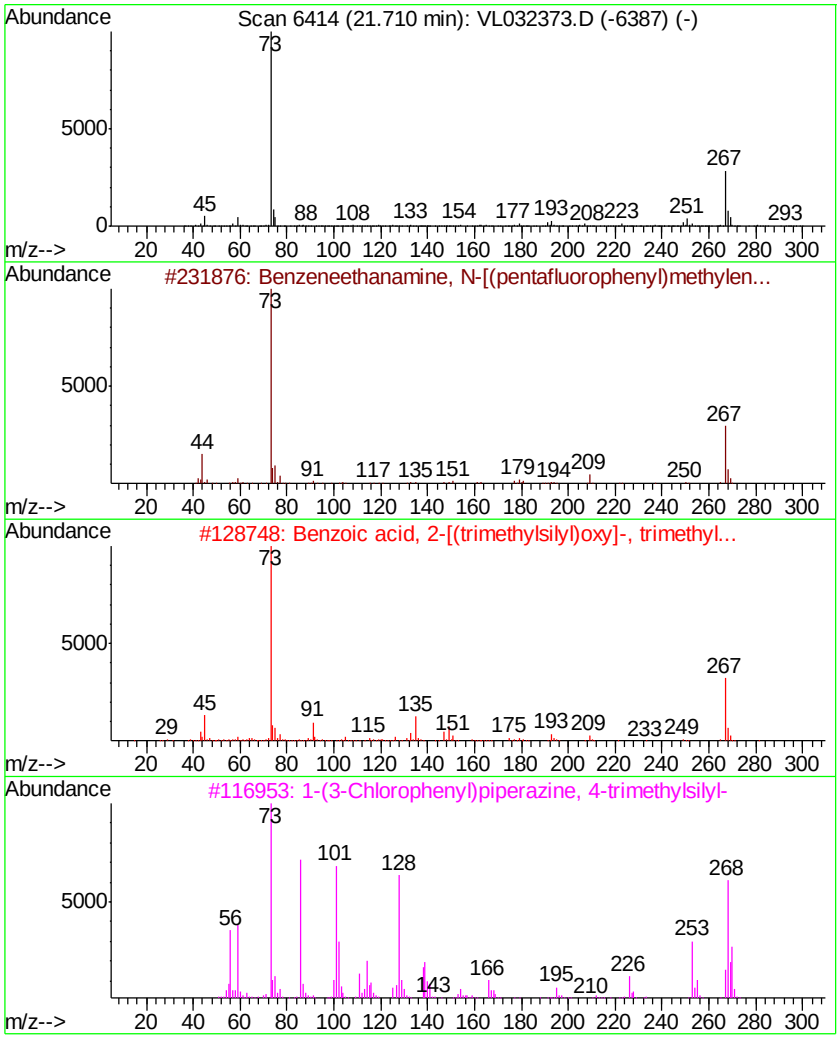
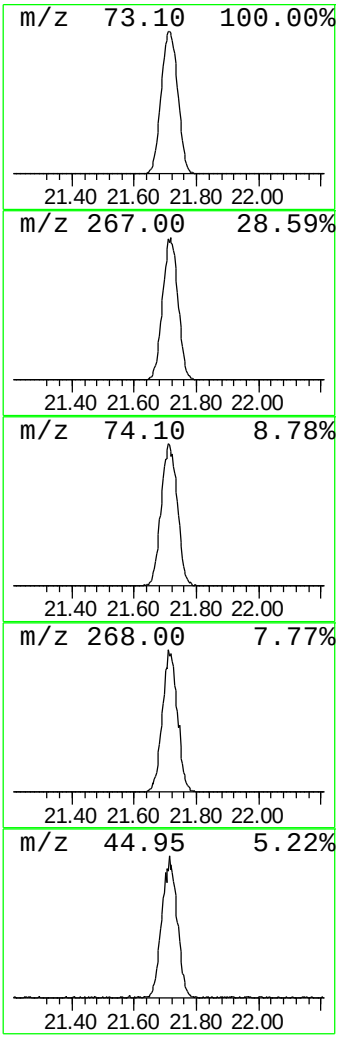
Peak Number 14 Benzeneethanamine, N-[(pent... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.71	13.63 ppbv	15201100	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	50
2	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	33
3	1-(3-Chlorophenyl)piperazine, 4-...	268	C13H21ClN2Si	1000373-99-3	9
4	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	9
5	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	9





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Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

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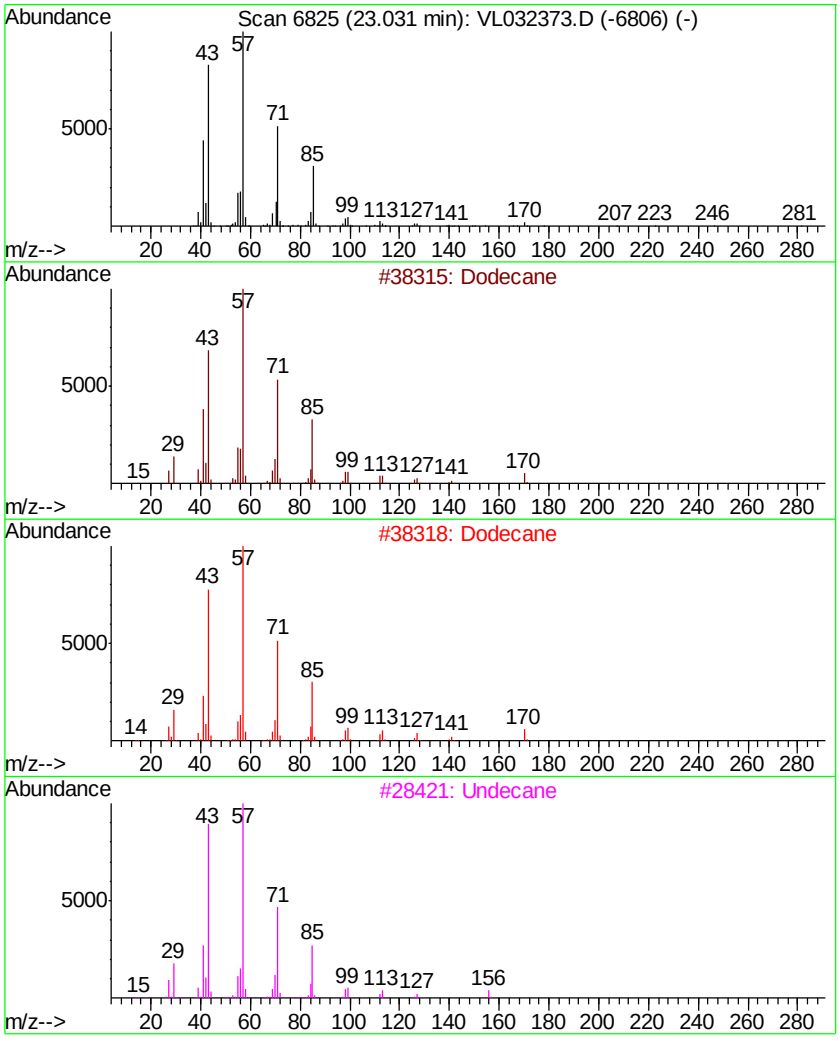
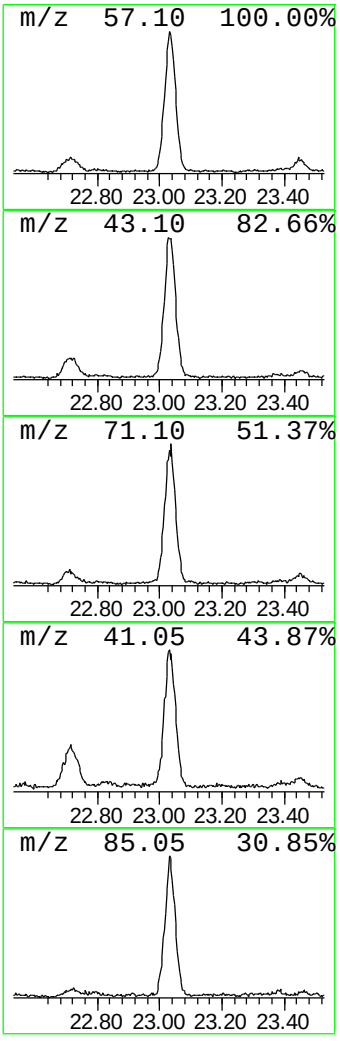
Peak Number 15 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.03	2.83 ppbv	3152580	Chlorobenzene-d5	12.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Dodecane	170	C12H26	000112-40-3	91
3	Undecane	156	C11H24	001120-21-4	90
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	86
5	Tridecane	184	C13H28	000629-50-5	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032373.D
Acq On : 16 Aug 2018 5:57
Operator : SY/AP
Sample : J4457-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG04-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexanal	10.63	1.7	ppbv	1896690	3	12.30	11156000	10.0
Heptane, 2,4-dime...	12.03	1.5	ppbv	1700820	3	12.30	11156000	10.0
Hexane, 3-ethyl-	13.29	1.6	ppbv	1808910	3	12.30	11156000	10.0
2-Propenoic acid,...	13.63	1.6	ppbv	1813170	3	12.30	11156000	10.0
Undecane, 5,6-dim...	17.33	3.6	ppbv	3999900	3	12.30	11156000	10.0
D-Limonene	18.18	10.3	ppbv	11483400	3	12.30	11156000	10.0
Heptadecane	18.59	1.6	ppbv	1733230	3	12.30	11156000	10.0
Nonanal	19.74	2.3	ppbv	2540180	3	12.30	11156000	10.0
Undecane	20.12	2.9	ppbv	3225180	3	12.30	11156000	10.0
Sulfurous acid, h...	20.27	1.8	ppbv	1970550	3	12.30	11156000	10.0
Benzeneethanamine...	21.71	13.6	ppbv	15201100	3	12.30	11156000	10.0
Dodecane	23.03	2.8	ppbv	3152580	3	12.30	11156000	10.0