LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

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\SOM2VLM053019S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.116	4	8	21	rVB2	55958	60232	2.51%	0.426%
2	1.315	63	70	82	rVB	183318	185260	7.72%	1.310%
3	1.386	86	92	102	rBV	122073	123008	5.13%	0.870%
4	1.573	145	150	160	rVB	129270	152579	6.36%	1.079%
5	1.814	218	225	240	rVB	117878	148398	6.19%	1.049%
6	2.122	311	321	332	rBV2	287345	422454	17.62%	2.987%
7	2.187	333	341	353	rVB	240291	342082	14.26%	2.419%
8	2.457	416	425	441	rVB	150734	243993	10.17%	1.725%
9	2.990	577	591	605	rBV2	16346	35952	1.50%	0.254%
10	3.064	605	614	626	rVB3	12622	25132	1.05%	0.178%
11	3.216	647	661	679	rBV3	19257	56743	2.37%	0.401%
12	3.460	734	737	740	rVB3	1898	1466	0.06%	0.010%
13	3.540	756	762	763	rBV5	1601	1279	0.05%	0.009%
14	3.746	810	826	843	rBV2	70911	166879	6.96%	1.180%
15	3.939	872	886	906	rBV3	42120	122727	5.12%	0.868%
16	4.396	1009	1028	1056	rBV	195893	501544	20.91%	3.546%
17	4.527	1065	1069	1075	rVB8	2144	2147	0.09%	0.015%
18	4.653	1089	1108	1133	rVB	214521	539689	22.50%	3.816%
19	4.801	1152	1154	1162	rVB5	1901	1731	0.07%	0.012%
20	5.090	1226	1244	1282	rBV2	482460	1187144	49.50%	8.394%
21	5.370	1319	1331	1350	rBV2	38180	90031	3.75%	0.637%
22	5.576	1371	1395	1407	rBV3	32176	103671	4.32%	0.733%
23	5.662	1409	1422	1441	rVV	392903	775493	32.34%	5.483%
24	5.958	1503	1514	1530	rBV3	27881	56347	2.35%	0.398%
25	6.116	1546	1563	1582	rBV	271127	552500	23.04%	3.907%
26	6.328	1617	1629	1654	rBV	315100	616271	25.70%	4.357%
27	6.701	1742	1745	1755	rVB9	1559	2080	0.09%	0.015%
28	6.817	1774	1781	1786	rVB6	1471	1822	0.08%	0.013%
29	7.029	1827	1847	1864	rBV2	132424	241522	10.07%	1.708%
30	7.132	1871	1879	1880	rBV7	2217	2306	0.10%	0.016%
31	7.183	1890	1895	1906	rVB10	4419	7119	0.30%	0.050%
32	7.280	1919	1925	1930	rBV7	1784	2192	0.09%	0.015%
33	7.357	1930	1949	1964	rBV	519783	968544	40.39%	6.848%
34	7.604	2020	2026	2034	rBV4	9188	13059	0.54%	0.092%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011149.D
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Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

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\SOM2VLM053019S.M
Title : VOC Analysis

35	7.662	2034	2044	2058	rVB	76579	123666	5.16%	0.874%
36	7.746	2064	2070	2079	rVB8	7562	12119	0.51%	0.086%
37	7.884	2109	2113	2114	rBV4	1529	1105	0.05%	0.008%
38	7.900	2114	2118	2120	rVV4	1868	1107	0.05%	0.008%
39	8.016	2129	2154	2170	rBV	197745	364406	15.19%	2.577%
40	8.132	2180	2190	2206	rBV	124642	229224	9.56%	1.621%
41	8.280	2224	2236	2261	rBV	1463046	2398224	100.00%	16.957%
42	8.585	2324	2331	2337	rBV10	2425	3605	0.15%	0.025%
43	8.704	2363	2368	2369	rBV4	1326	1213	0.05%	0.009%
44	8.894	2408	2427	2450	rBV	487002	822590	34.30%	5.816%
45	9.106	2483	2493	2496	rBV4	4837	6777	0.28%	0.048%
46	9.180	2508	2516	2520	rBV8	6594	9197	0.38%	0.065%
47	9.244	2526	2536	2562	rBV	75922	226616	9.45%	1.602%
48	9.354	2564	2570	2587	rVB5	20181	36876	1.54%	0.261%
49	9.530	2613	2625	2638	rBV4	13458	31724	1.32%	0.224%
50	9.749	2683	2693	2705	rBV2	11208	21760	0.91%	0.154%
51	9.849	2714	2724	2751	rVB2	129422	219082	9.14%	1.549%
52	9.993	2758	2769	2780	rVB	25087	43223	1.80%	0.306%
53	10.177	2823	2826	2830	rVB4	2215	1836	0.08%	0.013%
54	10.209	2830	2836	2840	rBV9	1815	2170	0.09%	0.015%
55	10.260	2842	2852	2867	rVB	146081	229433	9.57%	1.622%
56	10.421	2894	2902	2912	rVB3	14037	23193	0.97%	0.164%
57	10.463	2912	2915	2922	rVB8	1905	1595	0.07%	0.011%
58	10.495	2922	2925	2928	rBV4	1902	1504	0.06%	0.011%
59	10.556	2935	2944	2957	rBV7	12215	25375	1.06%	0.179%
60	10.624	2957	2965	2982	rVV	30802	54263	2.26%	0.384%
61	10.759	2996	3007	3013	rBV5	9818	15249	0.64%	0.108%
62	10.804	3013	3021	3036	rVV4	21311	40708	1.70%	0.288%
63	10.981	3057	3076	3089	rBV4	50397	108838	4.54%	0.770%
64	11.087	3101	3109	3120	rBV4	9963	18205	0.76%	0.129%
65	11.196	3133	3143	3160	rBV	103022	169514	7.07%	1.199%
66	11.292	3162	3173	3191	rVB	274835	461983	19.26%	3.267%
67	11.379	3194	3200	3209	rVB4	8650	13018	0.54%	0.092%
68	11.437	3213	3218	3219	rBV4	1307	1044	0.04%	0.007%
69	11.579	3252	3262	3279	rBV2	17020	29685	1.24%	0.210%
70	11.672	3279	3291	3303	rBV	201553	337720	14.08%	2.388%
71	11.820	3334	3337	3338	rBV2	2799	1629	0.07%	0.012%

LSC Area Percent Report

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Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

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\SOM2VLM053019S.M
Title : VOC Analysis

72	11.997	3385	3392	3398	rBV10	3600	5758	0.24%	0.041%
73	12.054	3401	3410	3422	rBV3	31943	56017	2.34%	0.396%
74	12.199	3444	3455	3456	rBV10	5585	7612	0.32%	0.054%
75	12.296	3471	3485	3498	rBV2	9419	20362	0.85%	0.144%
76	12.392	3504	3515	3529	rBV2	73156	119999	5.00%	0.848%
77	12.517	3549	3554	3555	rBV4	1663	1525	0.06%	0.011%
78	12.720	3612	3617	3627	rVB4	4129	6176	0.26%	0.044%
79	12.788	3630	3638	3648	rBV6	8491	14851	0.62%	0.105%
80	12.929	3678	3682	3683	rBV3	2481	1607	0.07%	0.011%
81	12.993	3695	3702	3705	rBV7	1408	1381	0.06%	0.010%
82	13.106	3734	3737	3740	rBV4	2024	1412	0.06%	0.010%
83	13.186	3753	3762	3773	rBV4	8434	17299	0.72%	0.122%
84	13.482	3848	3854	3862	rBV4	4666	6536	0.27%	0.046%
85	13.514	3862	3864	3872	rVB7	1989	1760	0.07%	0.012%
86	13.636	3899	3902	3906	rVB5	1411	1157	0.05%	0.008%
87	13.842	3963	3966	3971	rBV6	1230	1097	0.05%	0.008%
88	14.138	4056	4058	4065	rBV6	1249	1107	0.05%	0.008%
89	14.231	4076	4087	4090	rBV6	7341	11508	0.48%	0.081%
90	14.376	4126	4132	4142	rVV6	5547	9146	0.38%	0.065%
91	14.495	4164	4169	4174	rVB6	1782	2007	0.08%	0.014%
92	14.733	4239	4243	4245	rBV3	1330	1098	0.05%	0.008%
93	14.868	4278	4285	4288	rBV9	1635	1652	0.07%	0.012%
94	14.948	4307	4310	4315	rVB6	1305	1175	0.05%	0.008%
95	14.977	4315	4319	4322	rBV5	1192	1135	0.05%	0.008%
96	15.386	4443	4446	4448	rBV3	1541	1098	0.05%	0.008%
97	15.402	4448	4451	4455	rVV5	1523	1376	0.06%	0.010%
98	15.453	4463	4467	4470	rBV5	1418	1637	0.07%	0.012%
99	15.488	4474	4478	4479	rBV3	1538	1242	0.05%	0.009%
100	16.051	4651	4653	4657	rVB5	1979	1280	0.05%	0.009%

Sum of corrected areas: 14142882

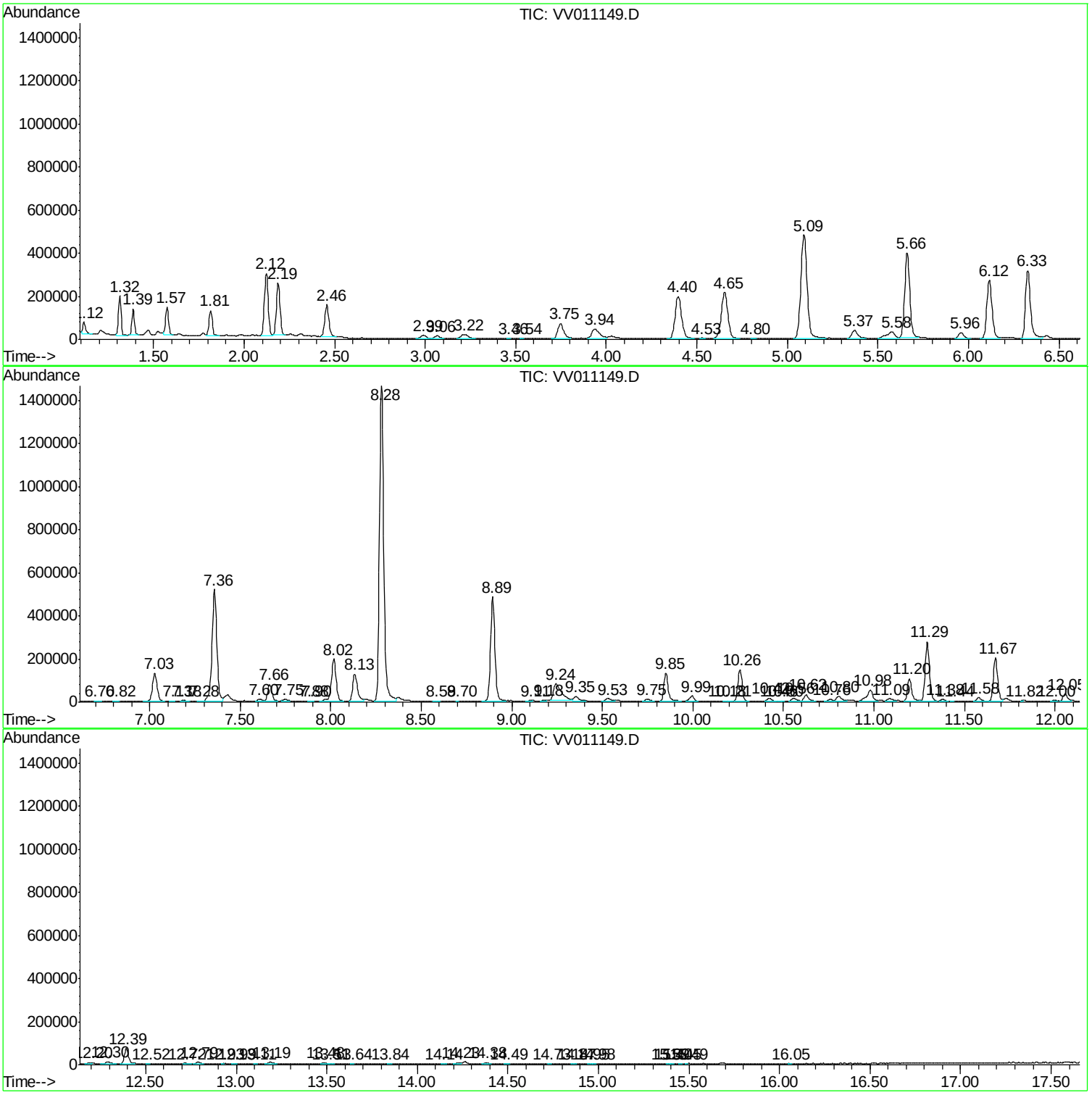
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
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Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

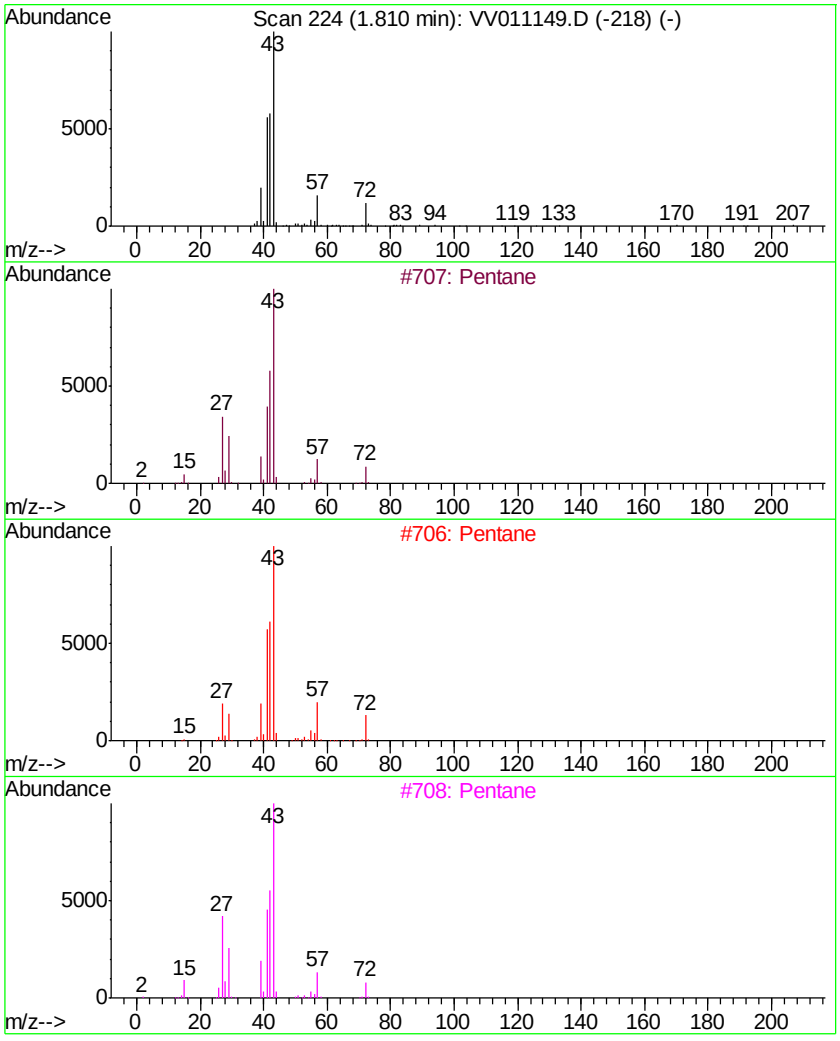
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

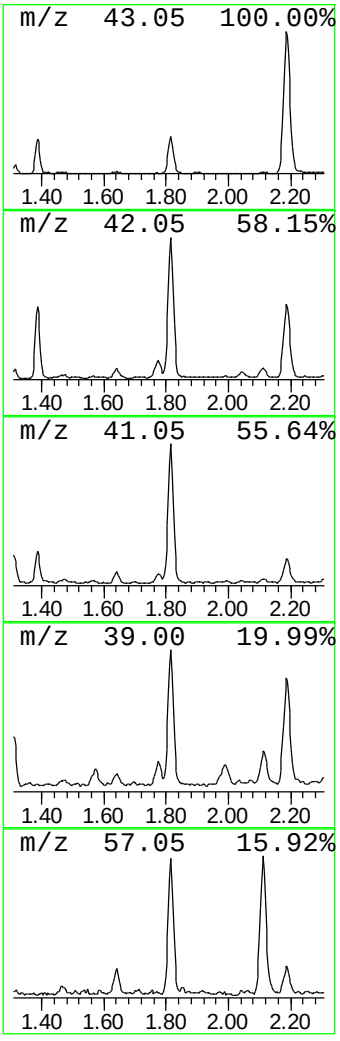
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	4.78 ug/L	148398	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	72
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

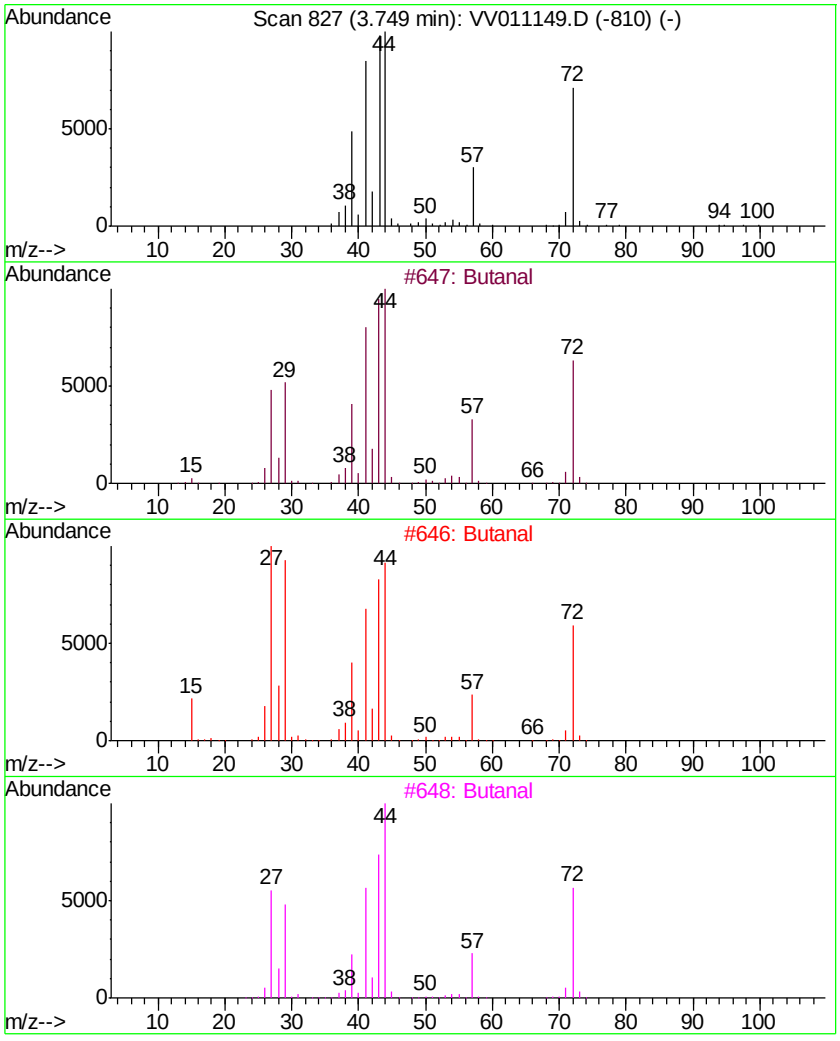
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

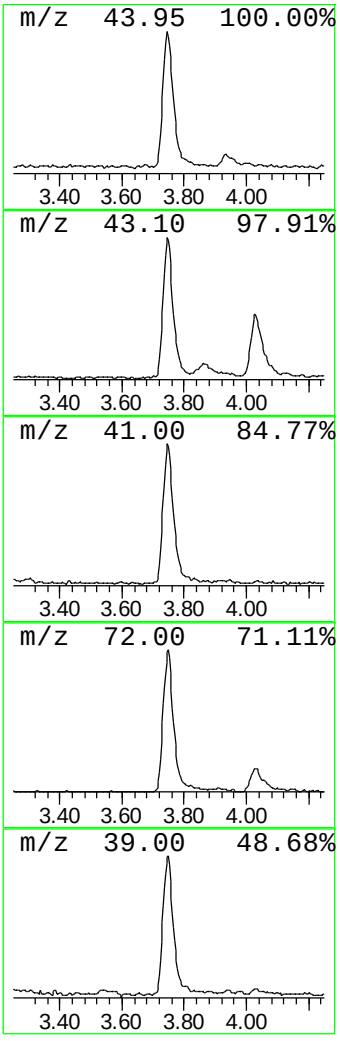
****

Peak Number 4 Butanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	5.38 ug/L	166879	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	58
4	Butanal	72	C4H8O	000123-72-8	53
5	Propane	44	C3H8	000074-98-6	53





Library Search Compound Report

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Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

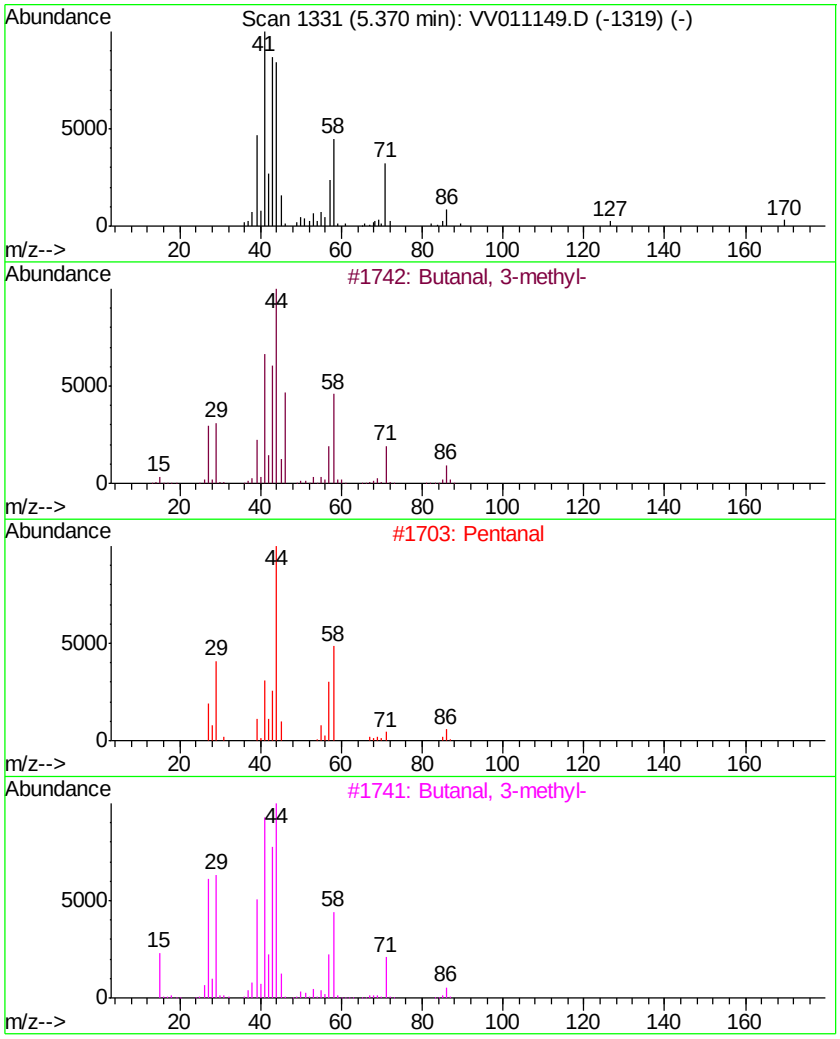
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

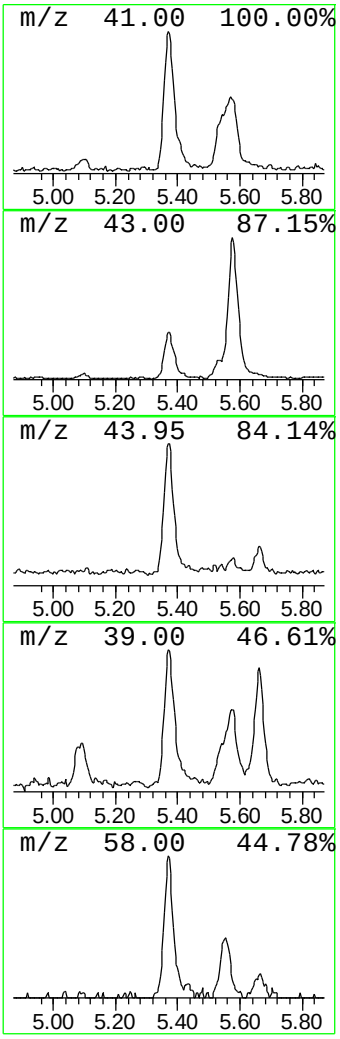
****

Peak Number 5 Butanal, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	2.90 ug/L	90031	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	58
2	Pentanal	86	C5H10O	000110-62-3	52
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	49
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	37
5	Bis(dimethylamino)phosphinic chl...	170	C4H12ClN2OP	001605-65-8	32





Library Search Compound Report

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Acq On : 30 May 2019 21:28
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Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

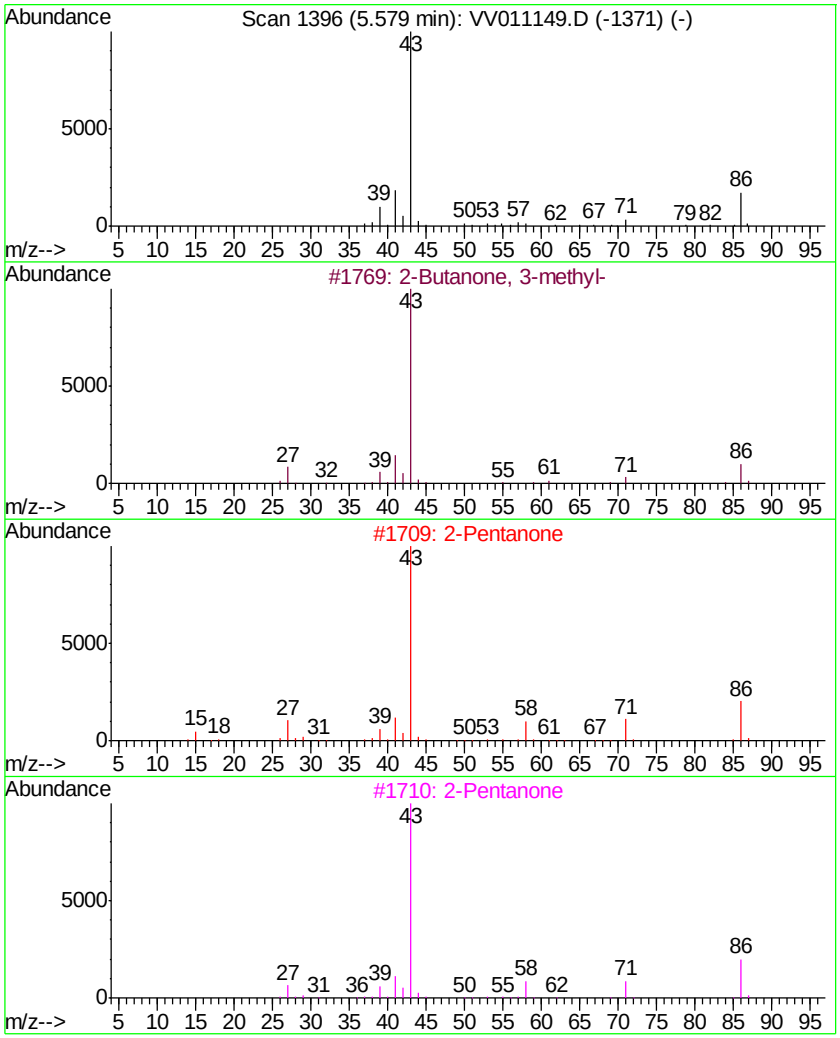
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

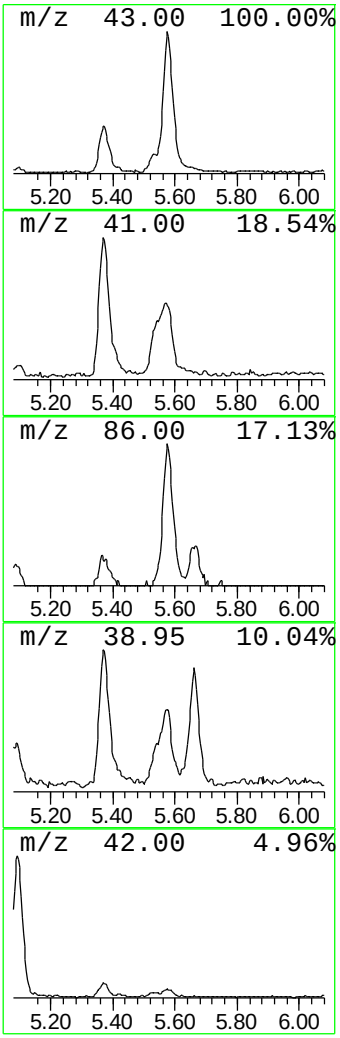
****

Peak Number 6 2-Butanone, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	3.34 ug/L	103671	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	72
2	2-Pentanone	86	C5H10O	000107-87-9	53
3	2-Pentanone	86	C5H10O	000107-87-9	50
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	49
5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	47





Library Search Compound Report

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Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

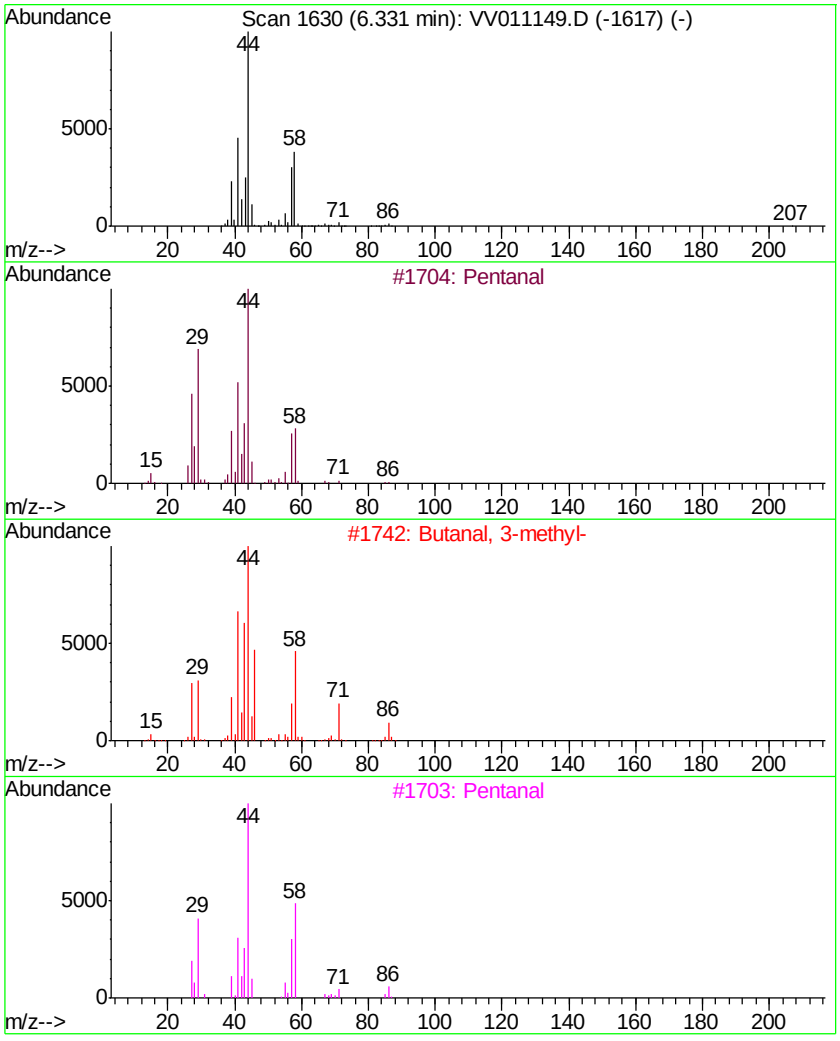
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

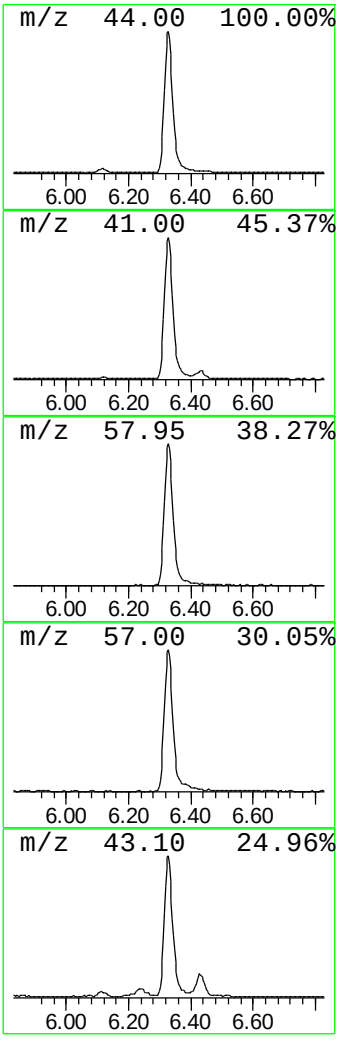
****

Peak Number 7 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	19.87 ug/L	616271	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
3	Pentanal	86	C5H10O	000110-62-3	64
4	Pentanal	86	C5H10O	000110-62-3	58
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	42





Library Search Compound Report

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Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

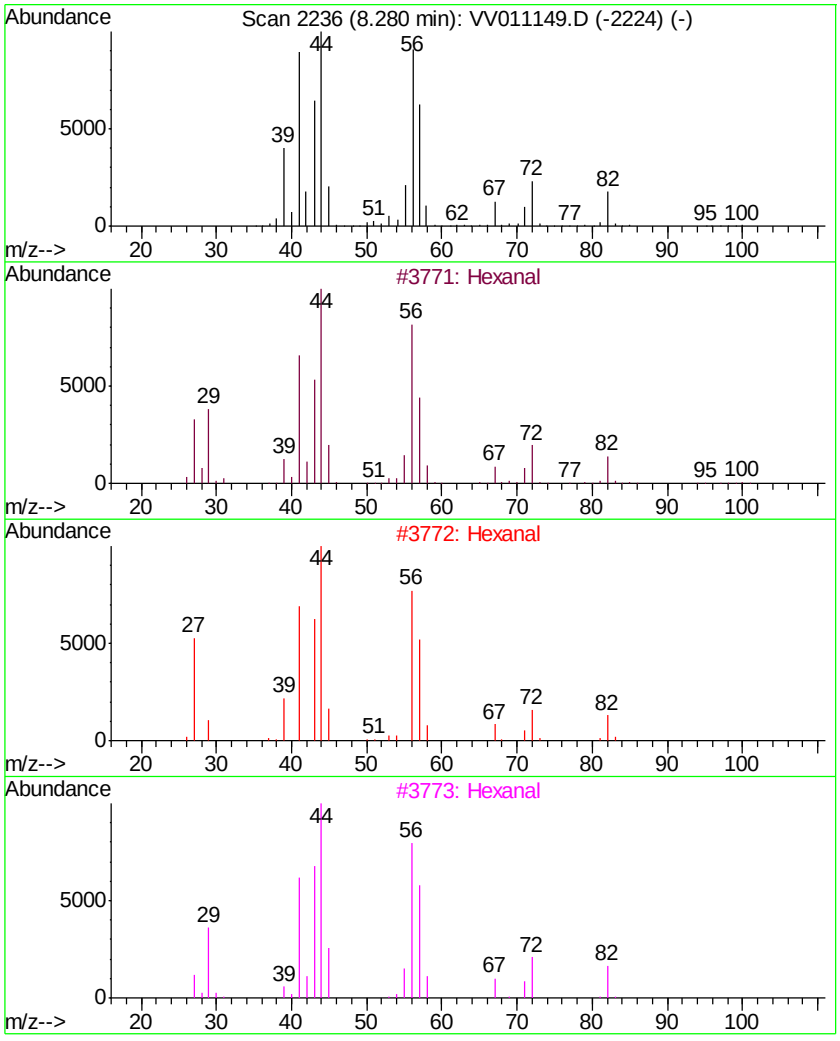
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

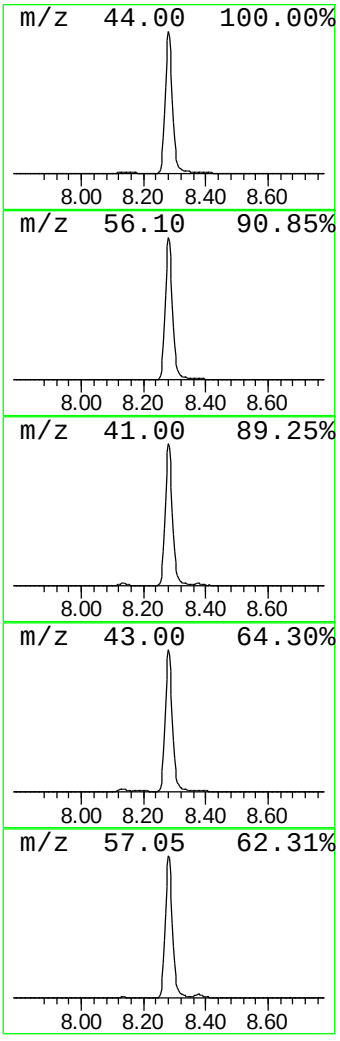
****

Peak Number 9 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	72.89 ug/L	2398220	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	80
2	Hexanal	100	C6H12O	000066-25-1	80
3	Hexanal	100	C6H12O	000066-25-1	80
4	Hexanal	100	C6H12O	000066-25-1	72
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	32





Library Search Compound Report

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Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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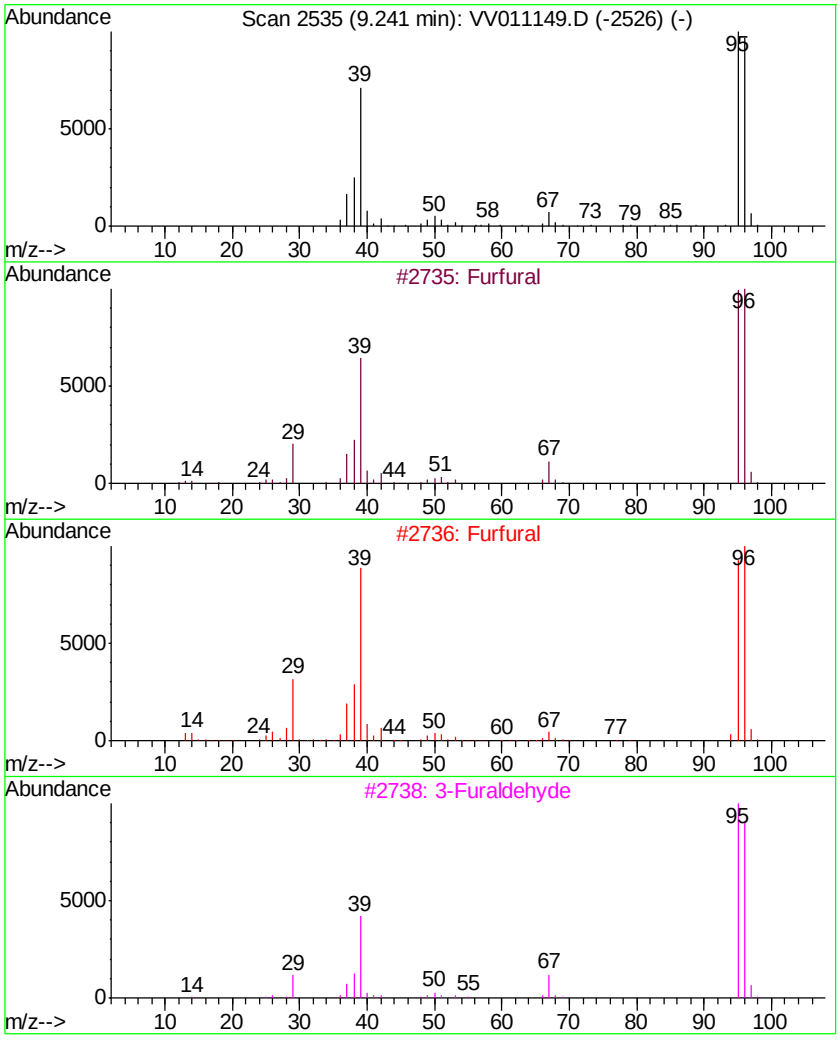
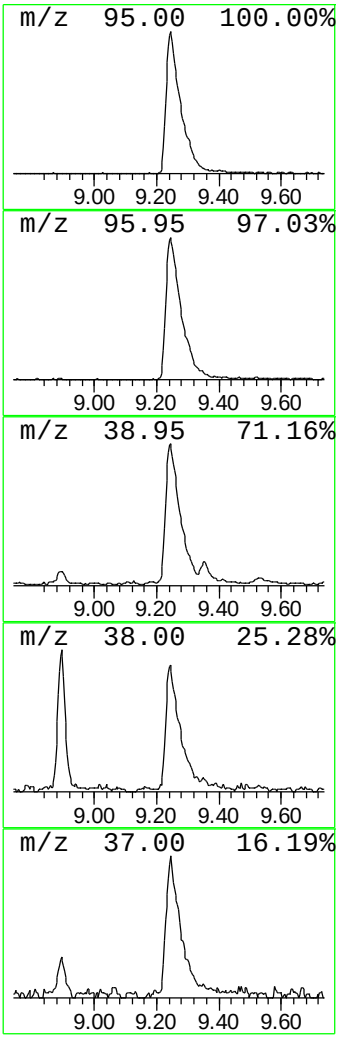
Peak Number 10 Furfural Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	6.89 ug/L	226616	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	94
2	Furfural	96	C5H4O2	000098-01-1	94
3	3-Furaldehyde	96	C5H4O2	000498-60-2	91
4	1H-Imidazole, 1,5-dimethyl-	96	C5H8N2	010447-93-5	64
5	Furfural	96	C5H4O2	000098-01-1	52





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Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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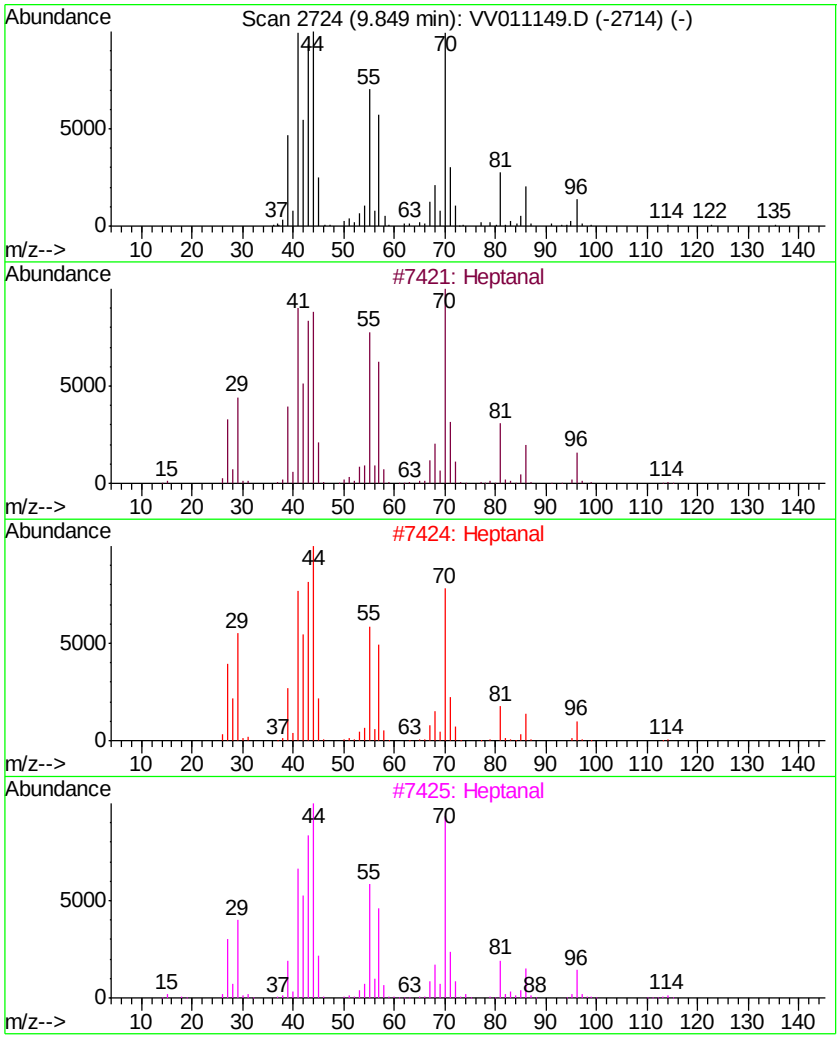
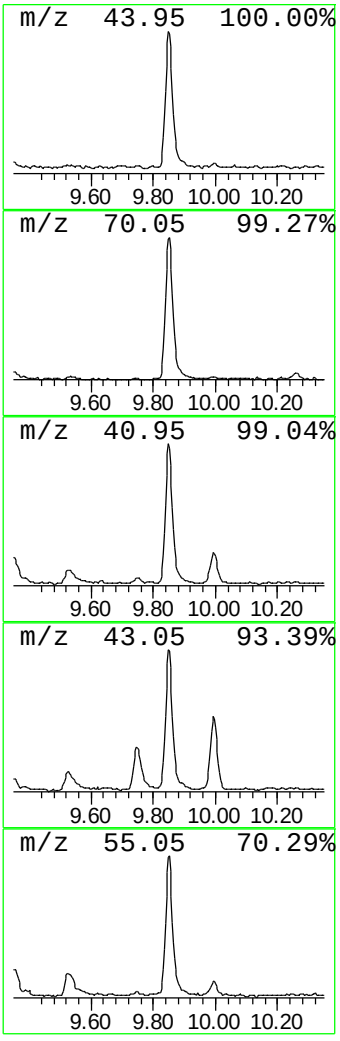
Peak Number 11 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	6.66 ug/L	219082	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	98
2	Heptanal	114	C7H14O	000111-71-7	96
3	Heptanal	114	C7H14O	000111-71-7	80
4	Heptanal	114	C7H14O	000111-71-7	70
5	Heptanal	114	C7H14O	000111-71-7	58





Library Search Compound Report

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Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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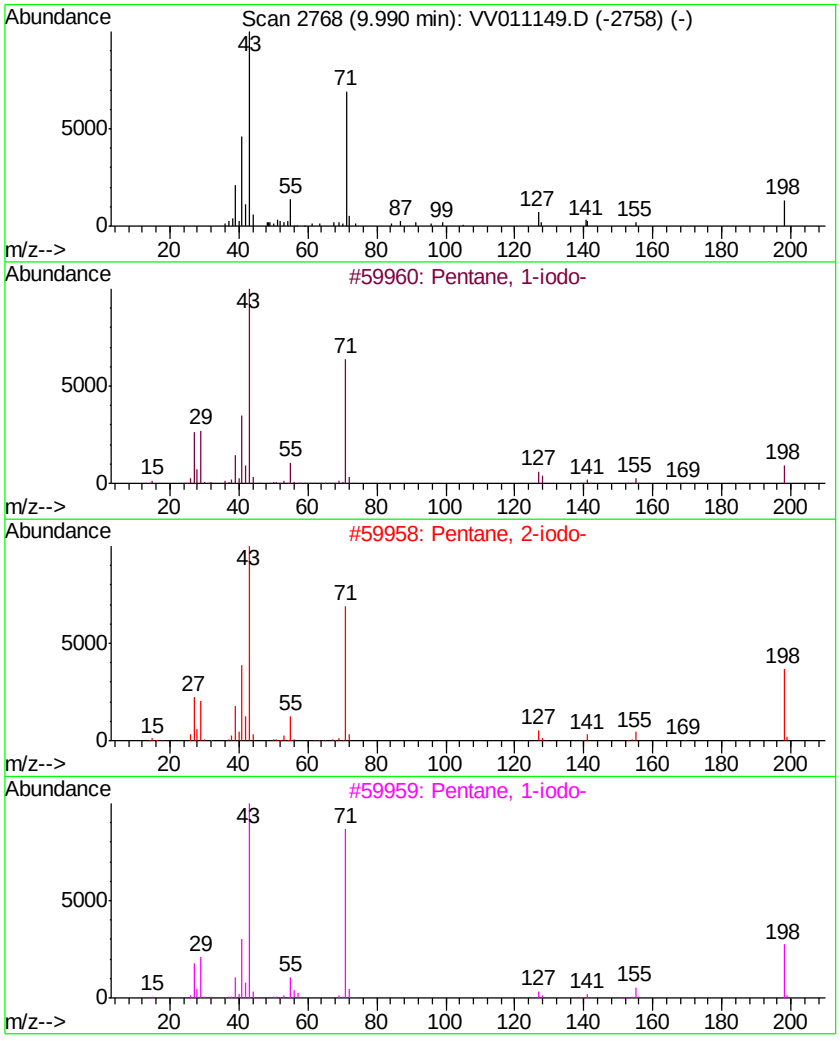
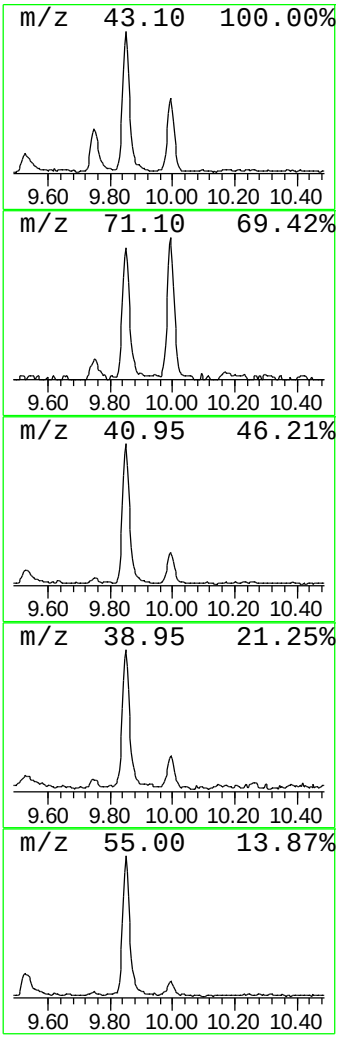
Peak Number 12 Pentane, 1-iodo- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	1.31 ug/L	43223	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 1-iodo-	198	C5H11I	000628-17-1	90
2	Pentane, 2-iodo-	198	C5H11I	000637-97-8	87
3	Pentane, 1-iodo-	198	C5H11I	000628-17-1	72
4	Pentane, 2-iodo-	198	C5H11I	000637-97-8	64
5	Butane, 1-iodo-3-methyl-	198	C5H11I	000541-28-6	64





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Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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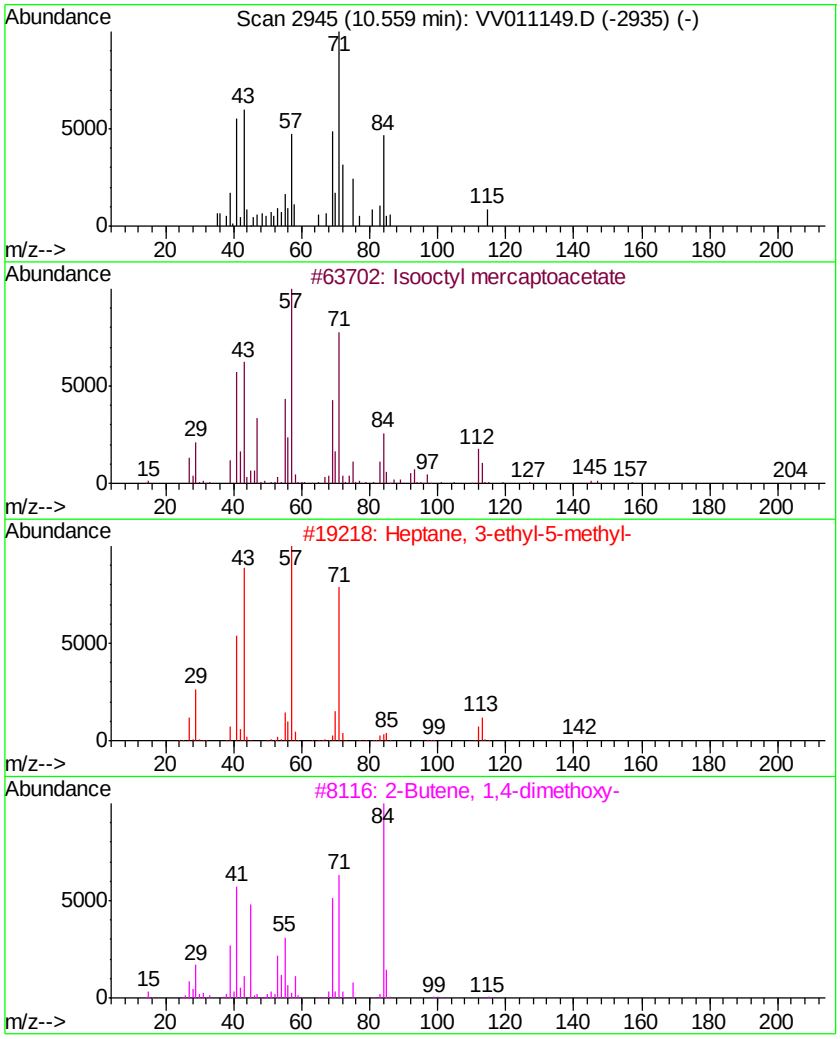
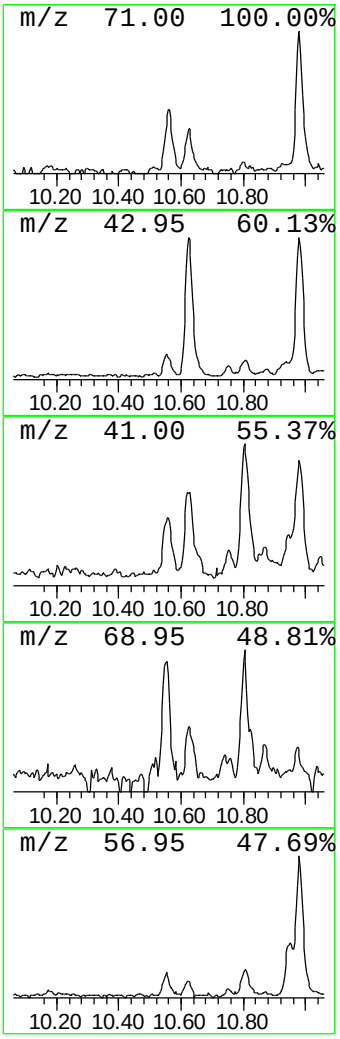
Peak Number 14 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	1.37 ug/L	25375	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isooctyl mercaptoacetate	204	C10H20O2S	025103-09-7	42
2	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	38
3	2-Butene, 1,4-dimethoxy-	116	C6H12O2	026649-86-5	35
4	1-Trifluoroacetoxy-2-methylpentane	198	C8H13F3O2	155089-96-6	35
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	32





Library Search Compound Report

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Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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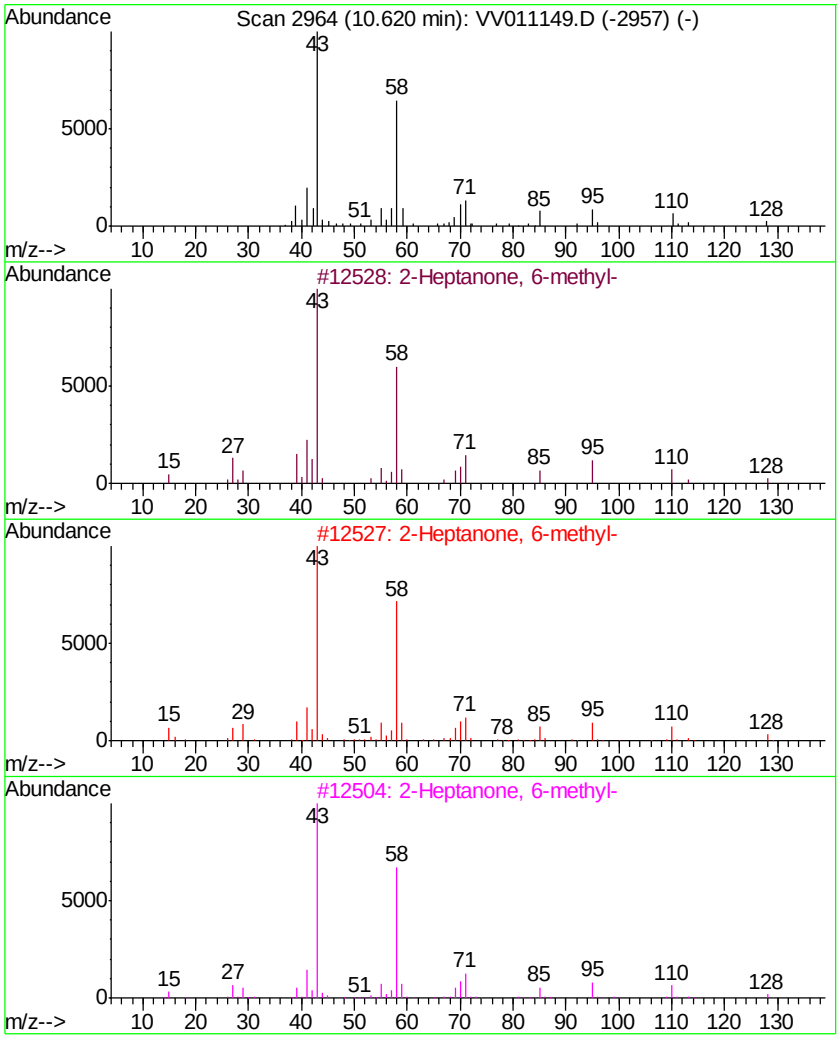
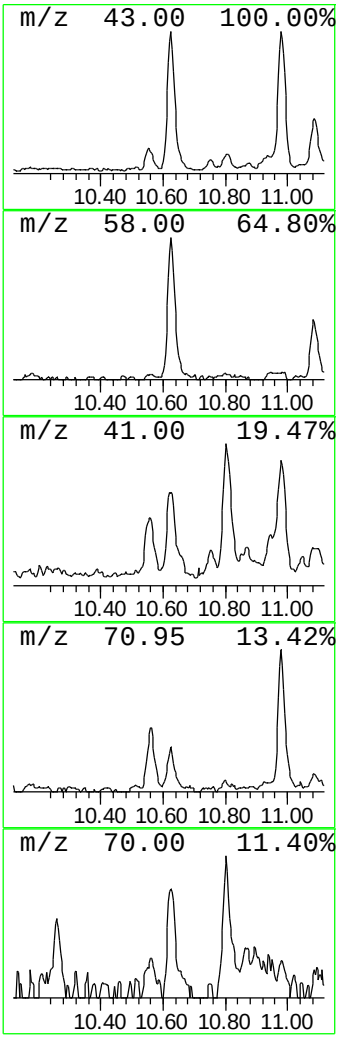
Peak Number 15 2-Heptanone, 6-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	2.94 ug/L	54263	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	91
2	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	90
3	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	90
4	2-Octanone	128	C8H16O	000111-13-7	52
5	2-Octanone	128	C8H16O	000111-13-7	50





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Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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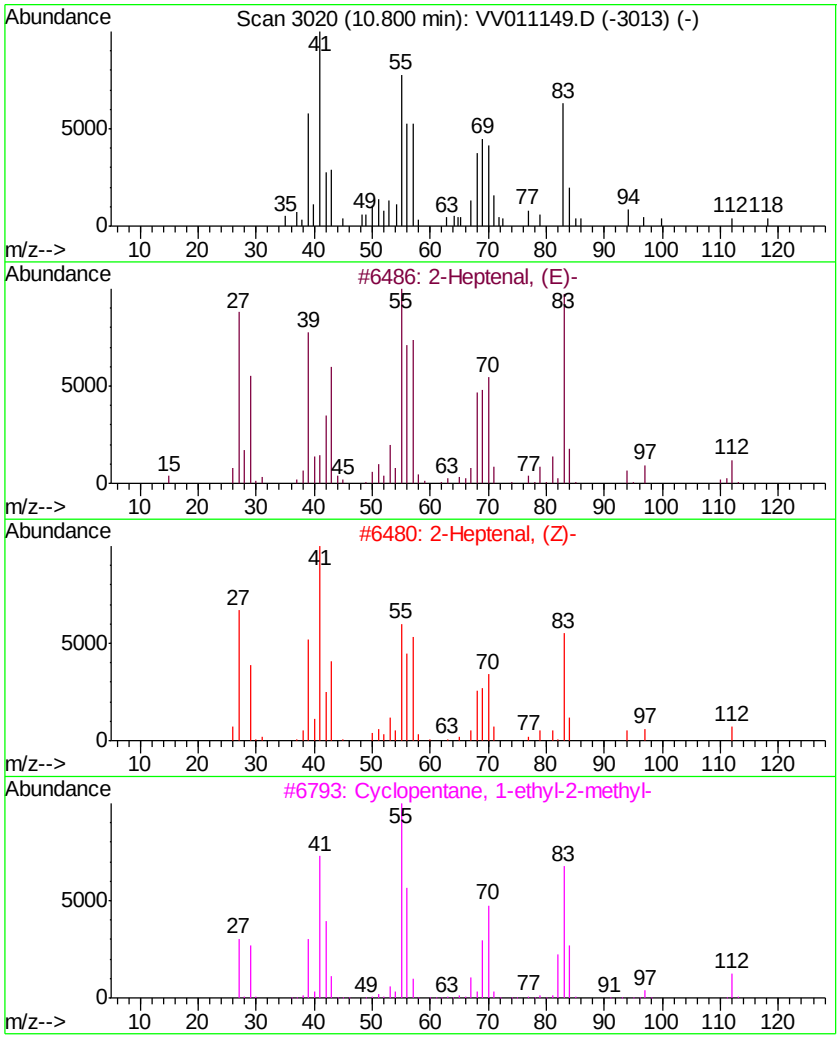
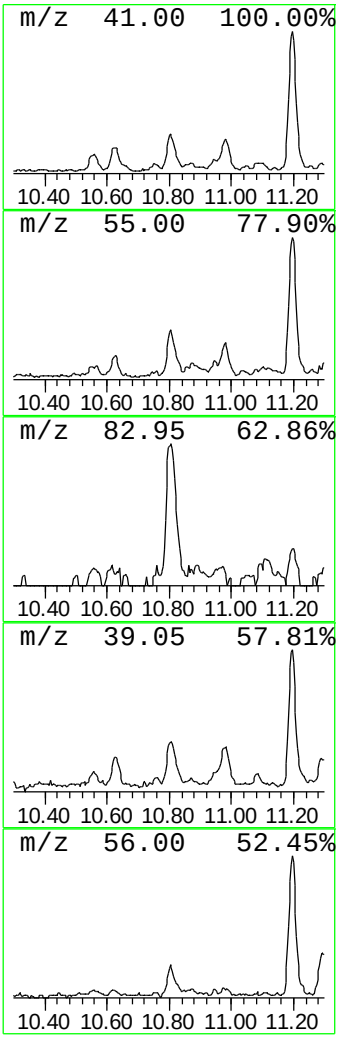
Peak Number 16 2-Heptenal, (E)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	2.20 ug/L	40708	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptenal, (E)-	112	C7H12O	018829-55-5	80
2	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	72
3	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	64
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	64
5	Cyclopropane, octyl-	154	C11H22	001472-09-9	59





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Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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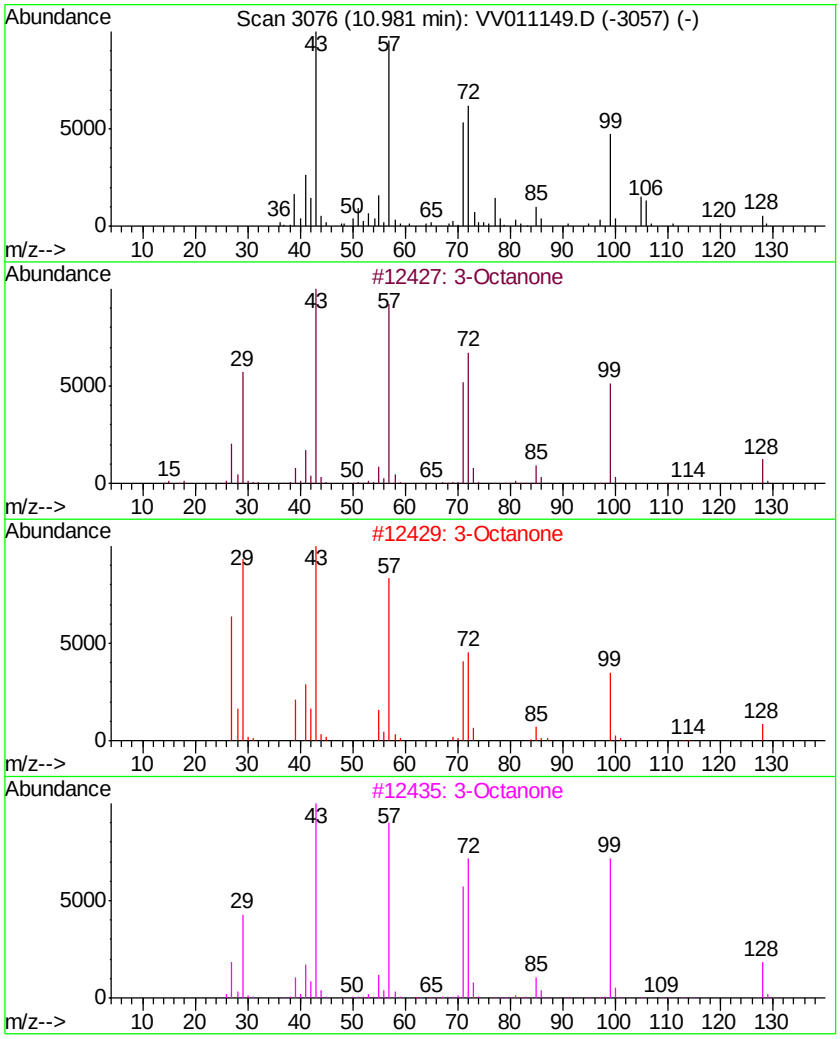
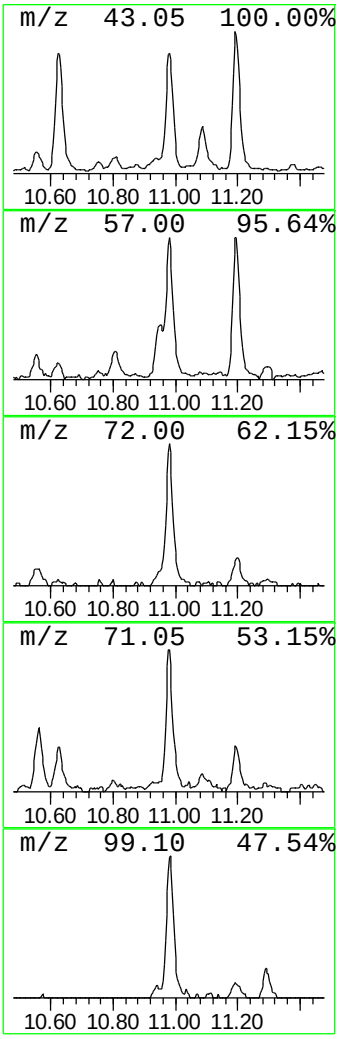
Peak Number 17 3-Octanone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	5.89 ug/L	108838	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	87
2	3-Octanone	128	C8H16O	000106-68-3	72
3	3-Octanone	128	C8H16O	000106-68-3	72
4	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	64
5	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	43





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Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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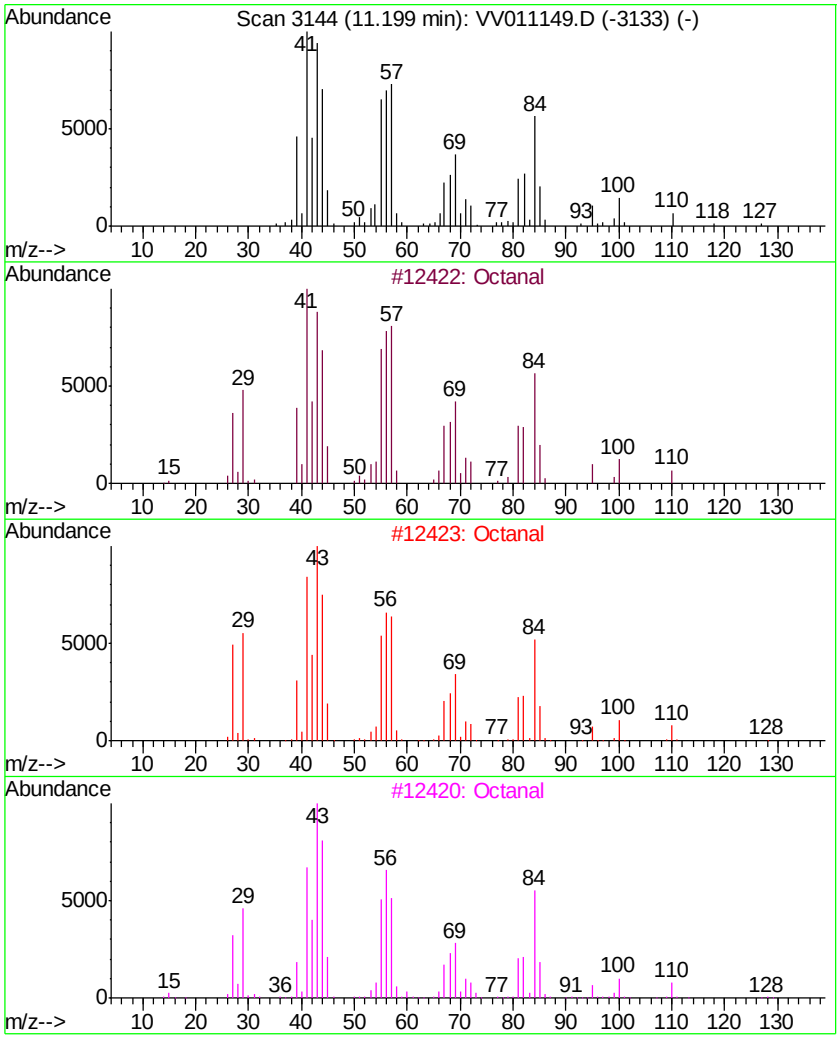
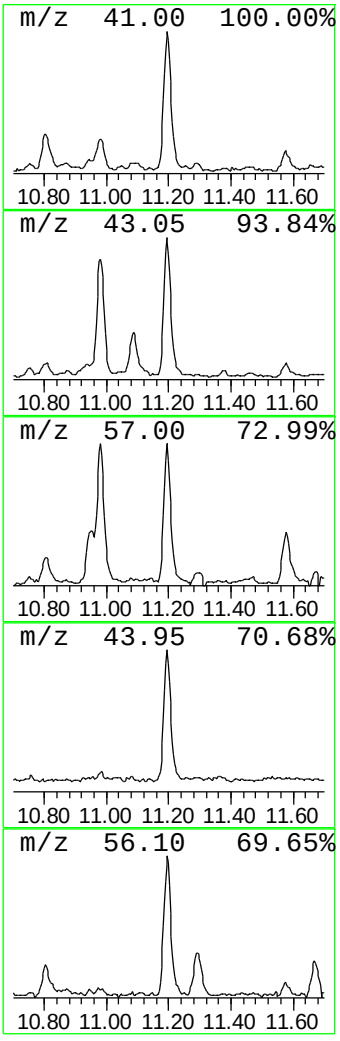
Peak Number 18 Octanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	9.17 ug/L	169514	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	91
3	Octanal	128	C8H16O	000124-13-0	90
4	Octanal	128	C8H16O	000124-13-0	78
5	Octanal	128	C8H16O	000124-13-0	72





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Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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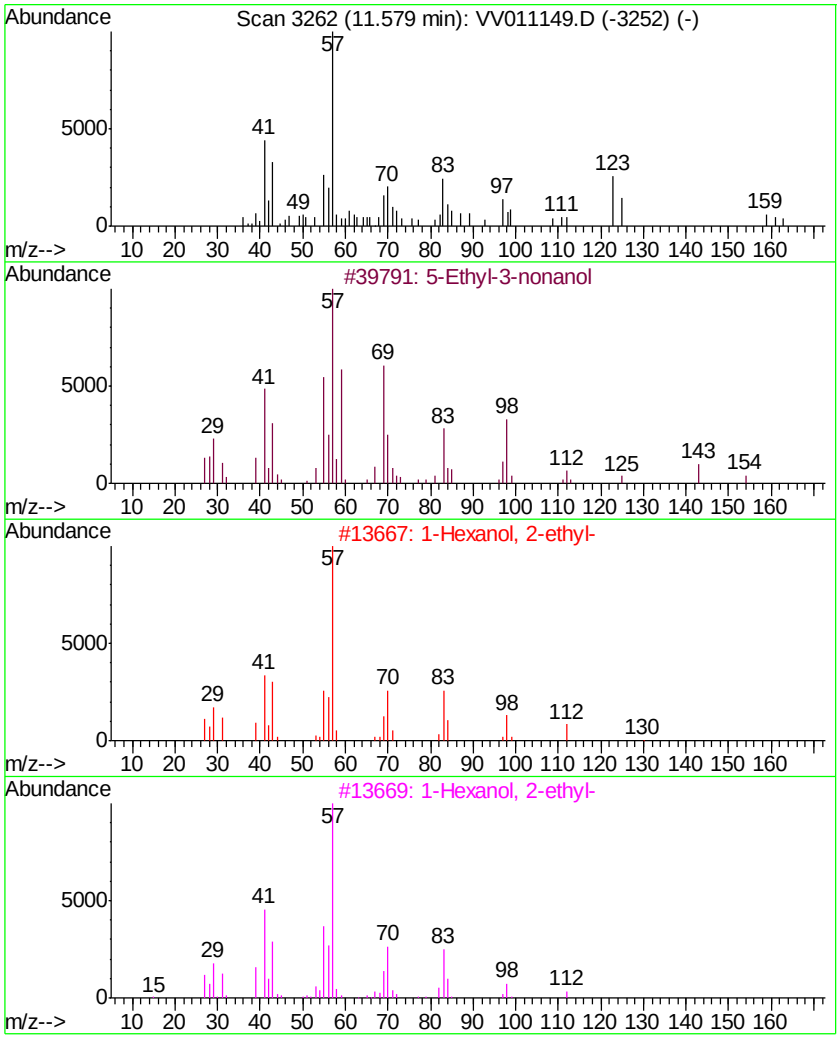
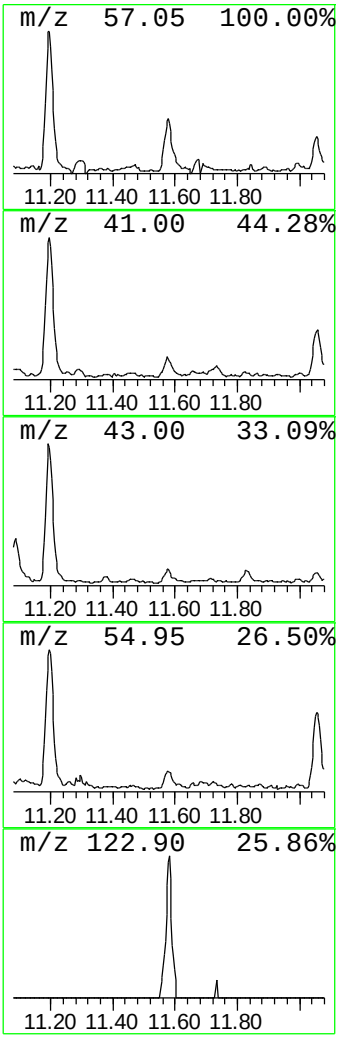
Peak Number 19 5-Ethyl-3-nonanol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	1.61 ug/L	29685	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyl-3-nonanol	172	C11H24O	019780-71-3	53
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
5	Nonadecane	268	C19H40	000629-92-5	47





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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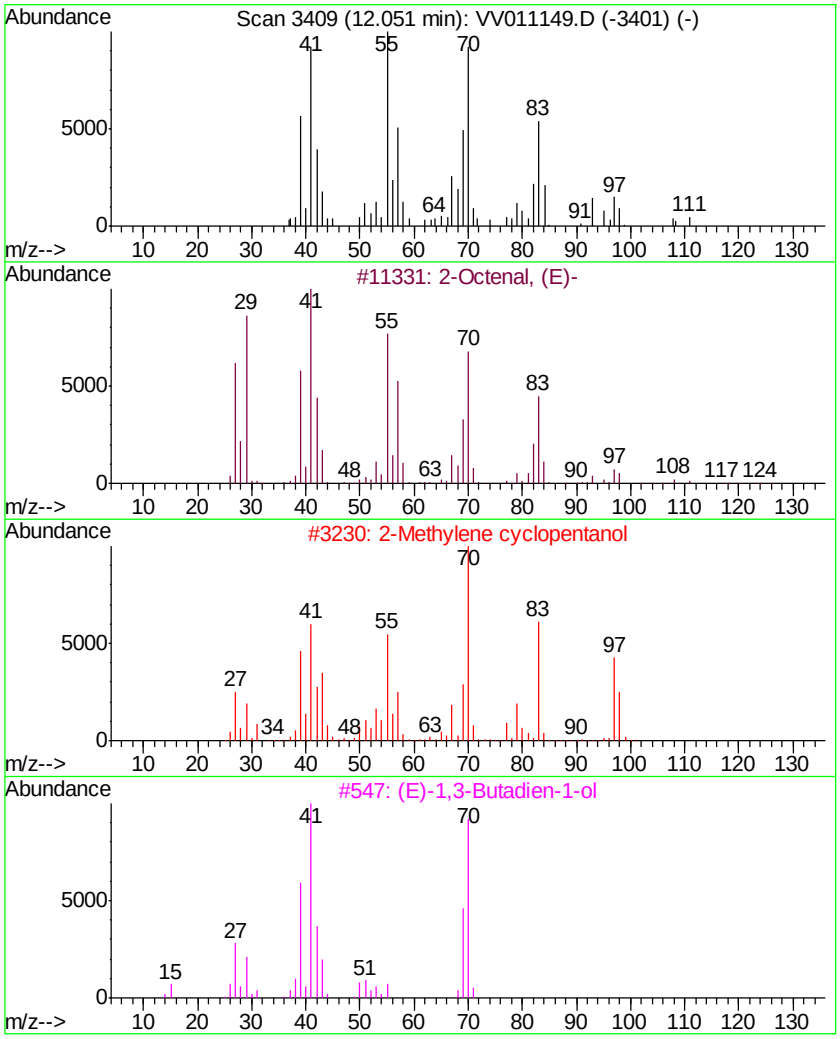
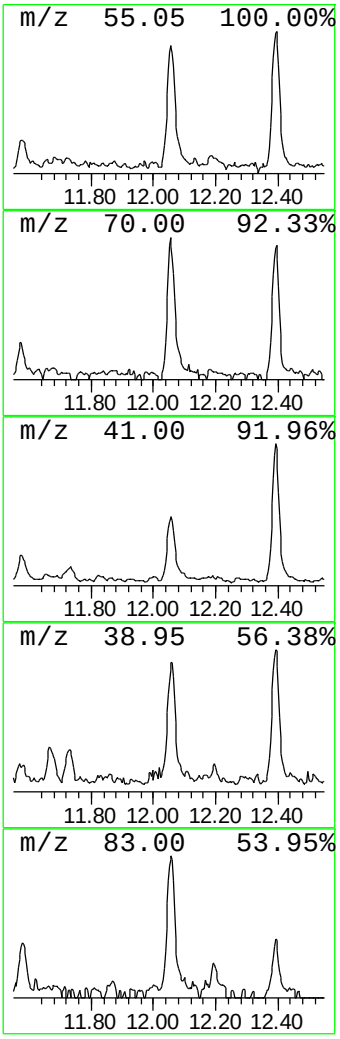
Peak Number 20 2-Octenal, (E)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.03 ug/L	56017	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	64
2	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	43
3	(E)-1,3-Butadien-1-ol	70	C4H6O	070411-98-2	41
4	7-Oxabicyclo[4.1.0]heptane	98	C6H10O	000286-20-4	38
5	2-Pentene, (E)-	70	C5H10	000646-04-8	35





Library Search Compound Report

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Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

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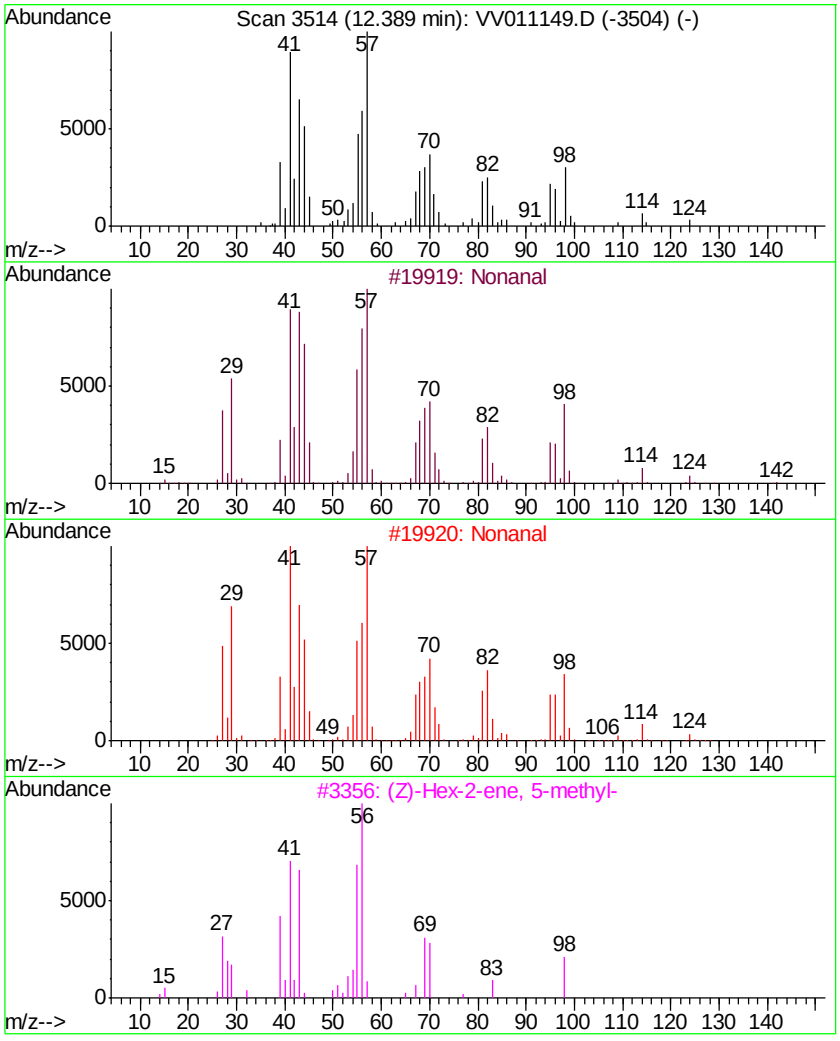
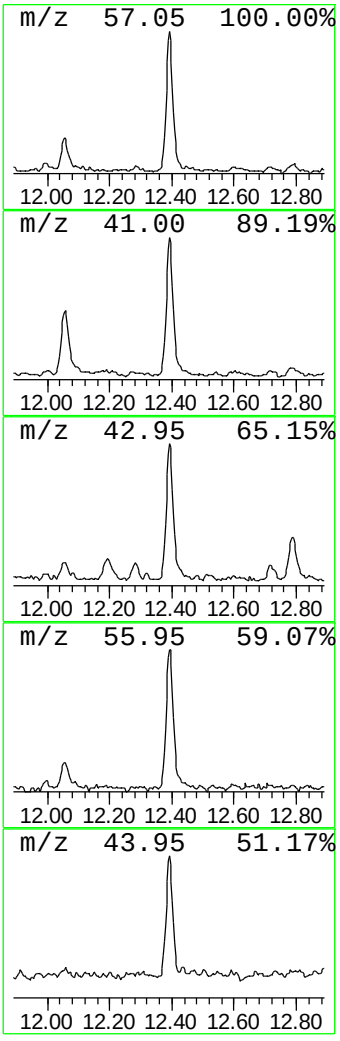
Peak Number 21 Nonanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	6.49 ug/L	119999	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Nonanal	142	C9H18O	000124-19-6	80
3	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	27
4	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	27
5	2-Heptene	98	C7H14	000592-77-8	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011149.D
Acq On : 30 May 2019 21:28
Operator : SY/MD
Sample : K3083-01
Misc : 3.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51F3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.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
(DEL) Alkane: Str...	1.81	4.8	ug/L	148398	1	5.66	775493	25.0
Butanal	3.75	5.4	ug/L	166879	1	5.66	775493	25.0
Butanal, 3-methyl-	5.37	2.9	ug/L	90031	1	5.66	775493	25.0
2-Butanone, 3-met...	5.58	3.3	ug/L	103671	1	5.66	775493	25.0
Pentanal	6.33	19.9	ug/L	616271	1	5.66	775493	25.0
Hexanal	8.28	72.9	ug/L	2398220	2	8.89	822590	25.0
Furfural	9.24	6.9	ug/L	226616	2	8.89	822590	25.0
Heptanal	9.85	6.7	ug/L	219082	2	8.89	822590	25.0
Pentane, 1-iodo-	9.99	1.3	ug/L	43223	2	8.89	822590	25.0
unknown-01	10.56	1.4	ug/L	25375	3	11.30	461983	25.0
2-Heptanone, 6-me...	10.62	2.9	ug/L	54263	3	11.30	461983	25.0
2-Heptenal, (E)-	10.80	2.2	ug/L	40708	3	11.30	461983	25.0
3-Octanone	10.98	5.9	ug/L	108838	3	11.30	461983	25.0
Octanal	11.20	9.2	ug/L	169514	3	11.30	461983	25.0
5-Ethyl-3-nonanol	11.58	1.6	ug/L	29685	3	11.30	461983	25.0
2-Octenal, (E)-	12.05	3.0	ug/L	56017	3	11.30	461983	25.0
Nonanal	12.39	6.5	ug/L	119999	3	11.30	461983	25.0