LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

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_U\METHOD\SOMULM082218WMA.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	0.625	6	11	15	rVB2	569	619	0.00%	0.002%
2	1.088	139	155	175	rBV	2023420	2152314	16.69%	5.249%
3	1.182	179	184	196	rVB3	10355	12092	0.09%	0.029%
4	1.400	244	252	269	rBV	10014971	10363431	80.34%	25.274%
5	1.558	296	301	307	rVB	18897	18246	0.14%	0.044%
6	1.680	331	339	354	rVB	99283	133768	1.04%	0.326%
7	1.947	413	422	434	rVB	240111	324543	2.52%	0.791%
8	2.191	491	498	506	rBV4	17122	23950	0.19%	0.058%
9	2.272	509	523	531	rVV2	227424	381299	2.96%	0.930%
10	2.320	532	538	548	rVB	124097	181243	1.41%	0.442%
11	2.378	549	556	567	rVB	48350	74643	0.58%	0.182%
12	2.442	568	576	584	rBV2	29490	47888	0.37%	0.117%
13	2.985	734	745	760	rVB	77266	143500	1.11%	0.350%
14	3.304	836	844	856	rVB3	9152	18248	0.14%	0.045%
15	3.420	877	880	881	rBV2	1064	640	0.00%	0.002%
16	3.619	932	942	951	rVV7	1829	4288	0.03%	0.010%
17	3.664	951	956	961	rVB4	853	1102	0.01%	0.003%
18	3.995	1045	1059	1074	rBV6	8948	22919	0.18%	0.056%
19	4.117	1086	1097	1099	rBV8	1559	2695	0.02%	0.007%
20	4.230	1102	1132	1174	rVV	5105856	12898971	100.00%	31.458%
21	4.564	1224	1236	1248	rBV3	27415	62865	0.49%	0.153%
22	4.651	1249	1263	1283	rVB2	196882	462833	3.59%	1.129%
23	4.834	1318	1320	1324	rVB2	987	670	0.01%	0.002%
24	5.178	1423	1427	1430	rBV2	642	543	0.00%	0.001%
25	5.342	1452	1478	1506	rBV2	378558	1129387	8.76%	2.754%
26	5.641	1564	1571	1574	rBV5	1968	2278	0.02%	0.006%
27	5.789	1606	1617	1635	rVV5	20230	43157	0.33%	0.105%
28	5.889	1635	1648	1667	rBV	375314	731535	5.67%	1.784%
29	6.188	1726	1741	1764	rBV	707162	1350409	10.47%	3.293%
30	6.333	1772	1786	1804	rBV3	258742	550436	4.27%	1.342%
31	6.423	1805	1814	1829	rVB	41069	79358	0.62%	0.194%
32	6.532	1833	1848	1859	rBV2	57284	108449	0.84%	0.264%
33	6.786	1920	1927	1931	rBV5	1181	1543	0.01%	0.004%
34	6.828	1932	1940	1944	rBV6	1911	2983	0.02%	0.007%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

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_U\METHOD\SOMULM082218WMA.M
Title : VOC Analysis

35	7.230	2048	2065	2083	rBV	145717	256910	1.99%	0.627%
36	7.342	2092	2100	2109	rBV6	3455	5938	0.05%	0.014%
37	7.464	2129	2138	2154	rBV3	8926	15889	0.12%	0.039%
38	7.567	2157	2170	2189	rBV	522530	963864	7.47%	2.351%
39	7.850	2242	2258	2268	rBV2	114396	210207	1.63%	0.513%
40	8.040	2314	2317	2319	rBV3	966	646	0.01%	0.002%
41	8.136	2339	2347	2348	rBV4	3398	3884	0.03%	0.009%
42	8.188	2351	2363	2372	rBV2	69701	162340	1.26%	0.396%
43	8.310	2393	2401	2416	rVB	438433	721996	5.60%	1.761%
44	8.464	2437	2449	2469	rBV	805779	1294872	10.04%	3.158%
45	8.853	2566	2570	2573	rBV4	898	896	0.01%	0.002%
46	8.953	2595	2601	2609	rVB7	4526	5989	0.05%	0.015%
47	9.001	2613	2616	2619	rBV3	1826	1788	0.01%	0.004%
48	9.046	2626	2630	2633	rBV5	6241	6620	0.05%	0.016%
49	9.091	2633	2644	2666	rVB	568521	923198	7.16%	2.251%
50	9.262	2689	2697	2701	rBV9	3324	5030	0.04%	0.012%
51	9.294	2704	2707	2712	rVB4	3108	2646	0.02%	0.006%
52	9.377	2728	2733	2744	rVB5	6206	8743	0.07%	0.021%
53	9.496	2767	2770	2771	rBV3	1222	715	0.01%	0.002%
54	9.529	2774	2780	2790	rVB5	6047	8779	0.07%	0.021%
55	9.599	2798	2802	2805	rBV5	962	818	0.01%	0.002%
56	9.689	2823	2830	2841	rBV6	4264	6995	0.05%	0.017%
57	9.767	2848	2854	2855	rBV6	3289	3181	0.02%	0.008%
58	9.844	2870	2878	2883	rBV6	6910	11759	0.09%	0.029%
59	9.921	2895	2902	2911	rBV	17727	27372	0.21%	0.067%
60	10.030	2926	2936	2956	rVB2	81461	130939	1.02%	0.319%
61	10.175	2977	2981	2985	rVB4	1123	949	0.01%	0.002%
62	10.236	2997	3000	3001	rBV3	1523	669	0.01%	0.002%
63	10.300	3014	3020	3028	rBV8	5190	9820	0.08%	0.024%
64	10.432	3049	3061	3075	rVB2	394446	629811	4.88%	1.536%
65	10.619	3108	3119	3136	rVB4	29421	61772	0.48%	0.151%
66	10.750	3151	3160	3164	rBV8	3603	5246	0.04%	0.013%
67	10.876	3192	3199	3206	rBV7	2084	3736	0.03%	0.009%
68	10.969	3212	3228	3252	rBV2	202505	484843	3.76%	1.182%
69	11.075	3255	3261	3266	rBV2	17763	23723	0.18%	0.058%
70	11.258	3311	3318	3325	rBV	13932	18237	0.14%	0.044%
71	11.483	3377	3388	3405	rVB	671066	1047343	8.12%	2.554%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

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_U\METHOD\SOMULM082218WMA.M
Title : VOC Analysis

72	11.567	3407	3414	3424	rVB3	12426	19484	0.15%	0.048%
73	11.686	3441	3451	3462	rBV	92285	155262	1.20%	0.379%
74	11.750	3464	3471	3486	rVB5	31601	59198	0.46%	0.144%
75	11.860	3494	3505	3529	rVB	602427	974647	7.56%	2.377%
76	11.985	3532	3544	3551	rBV2	38297	69615	0.54%	0.170%
77	12.223	3608	3618	3642	rVB	167863	261198	2.02%	0.637%
78	12.455	3682	3690	3713	rVB2	61951	123435	0.96%	0.301%
79	12.567	3717	3725	3738	rVB5	20856	31739	0.25%	0.077%
80	12.889	3822	3825	3827	rBV3	1130	829	0.01%	0.002%
81	12.972	3841	3851	3863	rBV8	6677	12881	0.10%	0.031%
82	13.056	3875	3877	3882	rVB3	2237	1611	0.01%	0.004%
83	13.114	3886	3895	3904	rBV	27493	42839	0.33%	0.104%
84	13.258	3938	3940	3944	rVB3	1784	962	0.01%	0.002%
85	13.358	3954	3971	3988	rBV2	51269	99333	0.77%	0.242%
86	13.567	4033	4036	4051	rVB9	3706	5974	0.05%	0.015%
87	13.654	4058	4063	4076	rVB9	6047	11744	0.09%	0.029%
88	13.741	4085	4090	4097	rBV7	2627	4064	0.03%	0.010%
89	13.786	4101	4104	4113	rVB6	2634	3554	0.03%	0.009%
90	13.885	4131	4135	4138	rBV4	1182	1009	0.01%	0.002%
91	13.924	4144	4147	4149	rBV3	983	631	0.00%	0.002%
92	14.033	4175	4181	4190	rBV9	5361	7651	0.06%	0.019%
93	14.139	4208	4214	4222	rBV9	3897	6261	0.05%	0.015%
94	14.281	4252	4258	4261	rBV3	6077	7452	0.06%	0.018%
95	14.406	4287	4297	4303	rBV3	82118	129657	1.01%	0.316%
96	14.557	4337	4344	4360	rBV2	30072	48317	0.37%	0.118%
97	14.798	4410	4419	4435	rBV2	30351	49743	0.39%	0.121%
98	15.036	4481	4493	4520	rBV	213587	381683	2.96%	0.931%
99	15.380	4590	4600	4622	rBV2	46043	80920	0.63%	0.197%
100	15.885	4748	4757	4764	rBV3	6441	11281	0.09%	0.028%

Sum of corrected areas: 41003982

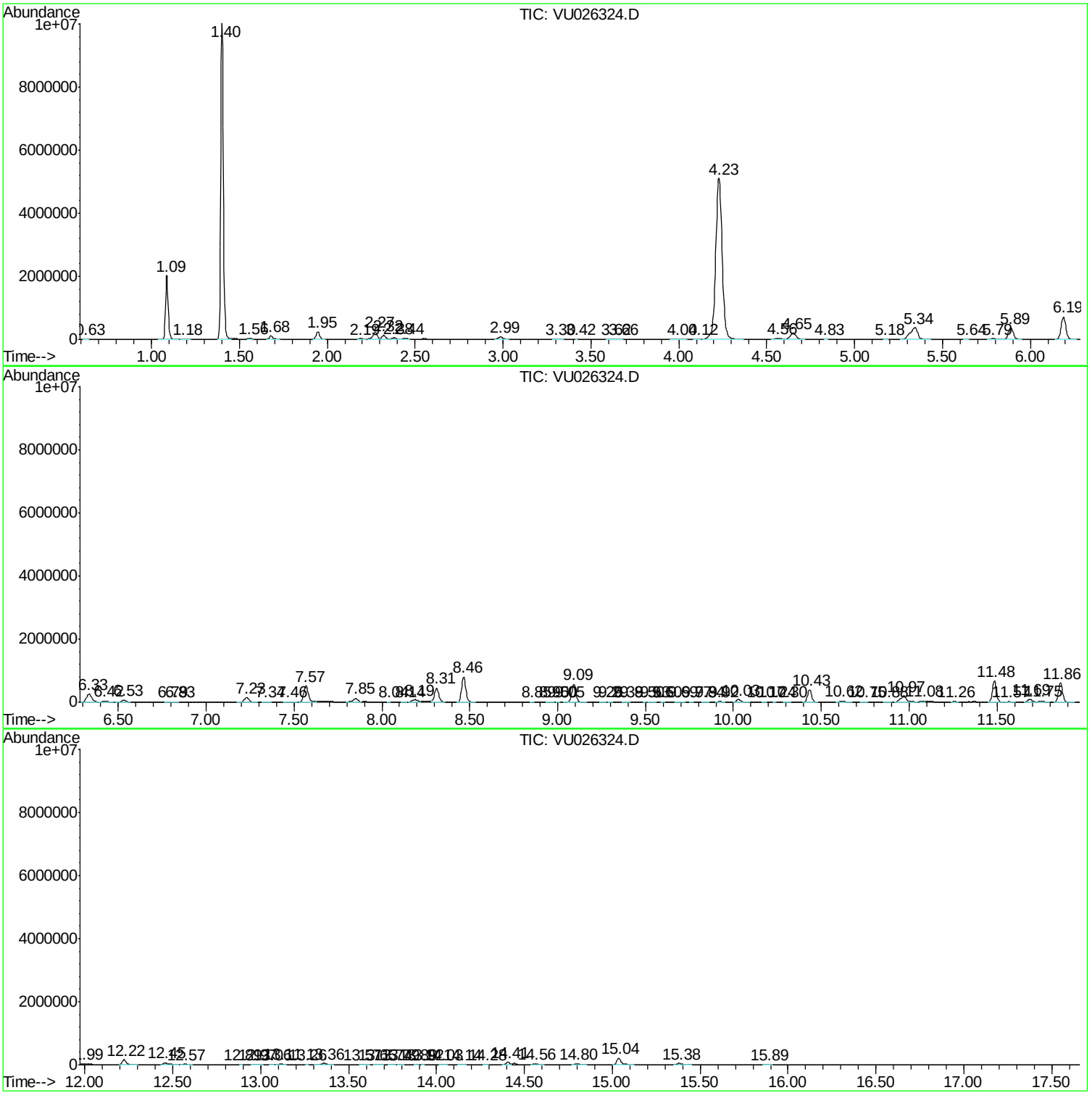
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

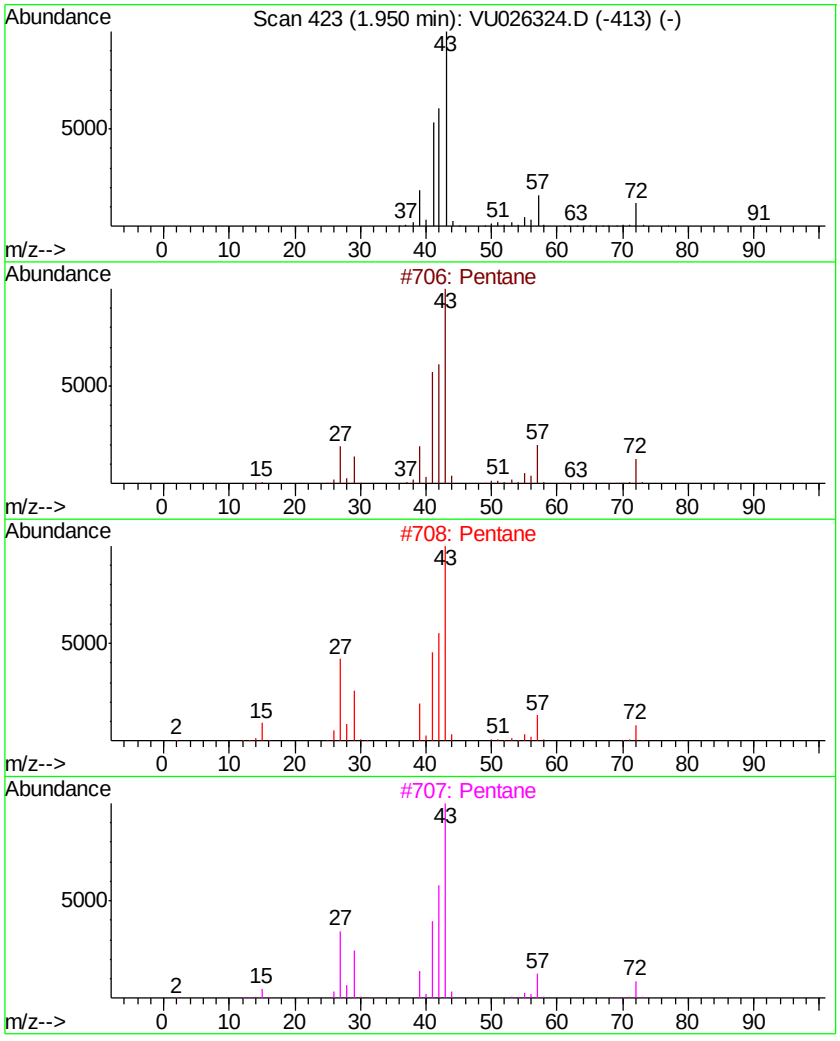
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

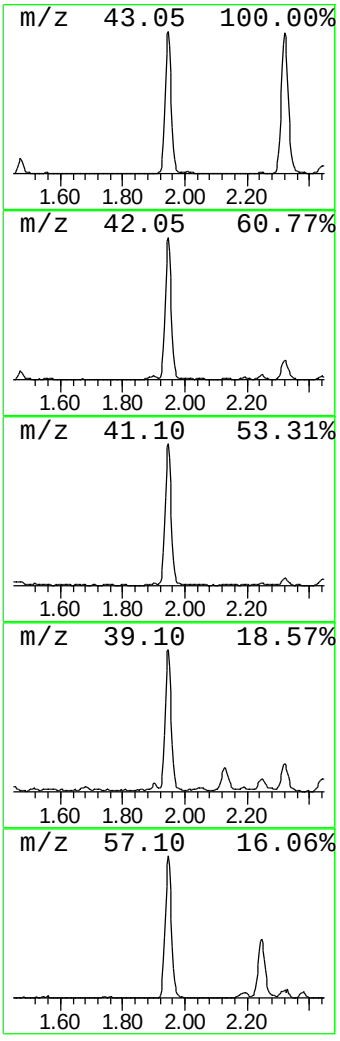
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	22.18 ug/L	324543	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	64
5	Butane, 2-methyl-	72	C5H12	000078-78-4	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

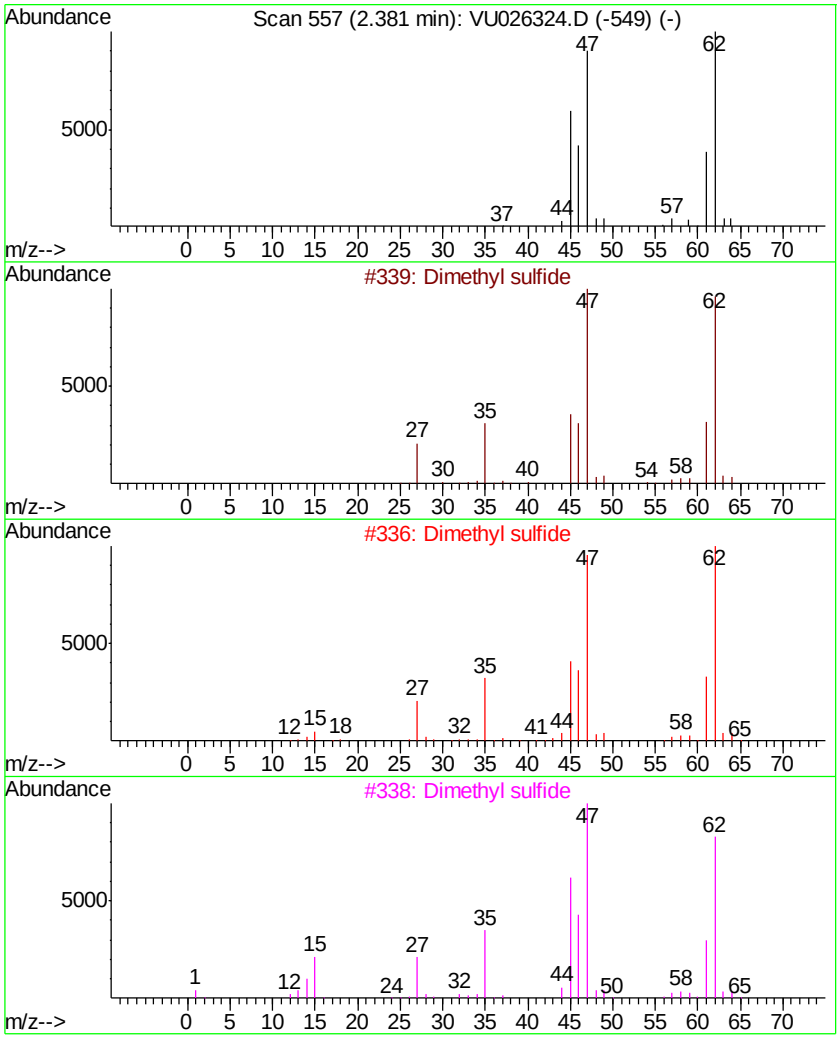
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

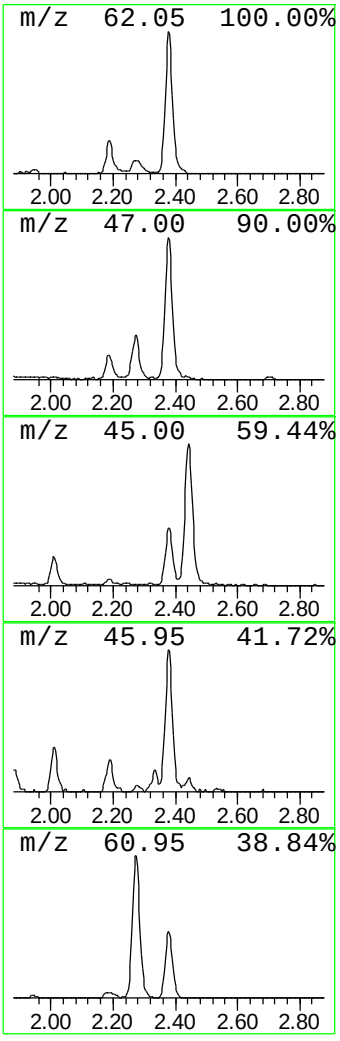
****

Peak Number 3 Dimethyl sulfide Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.38	5.10 ug/L	74643	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	91
2	Dimethyl sulfide	62	C2H6S	000075-18-3	91
3	Dimethyl sulfide	62	C2H6S	000075-18-3	91
4	Dimethyl sulfide	62	C2H6S	000075-18-3	91
5	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

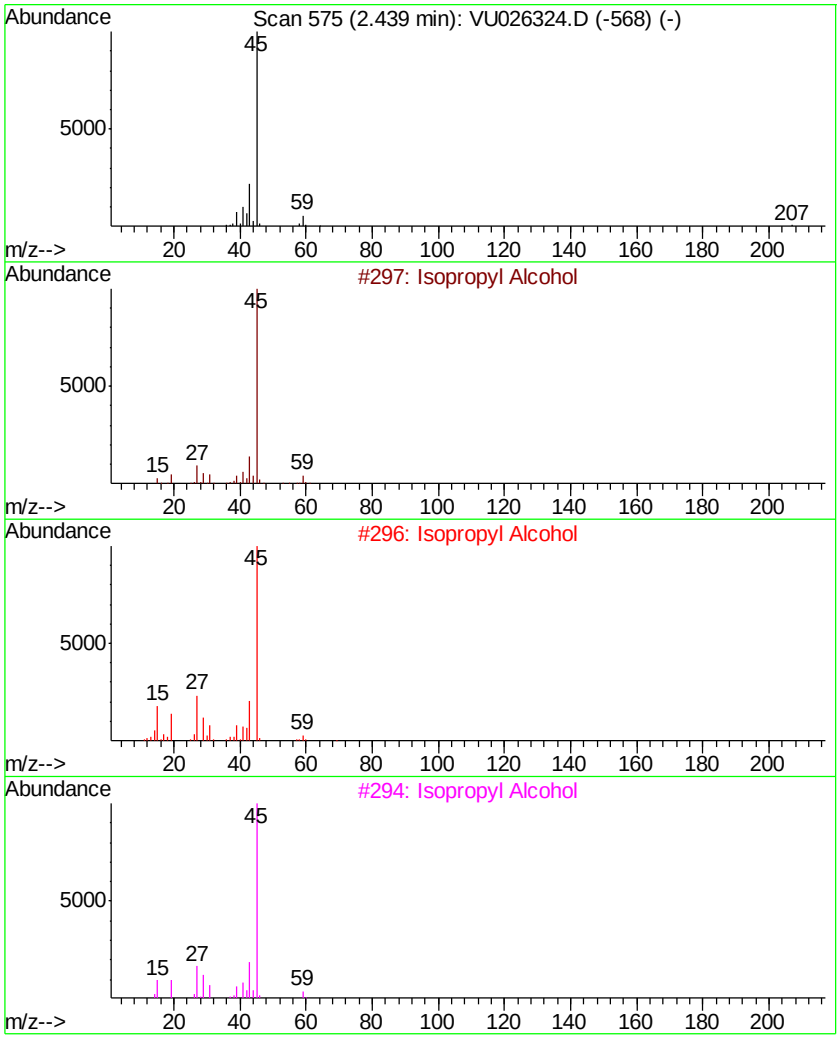
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

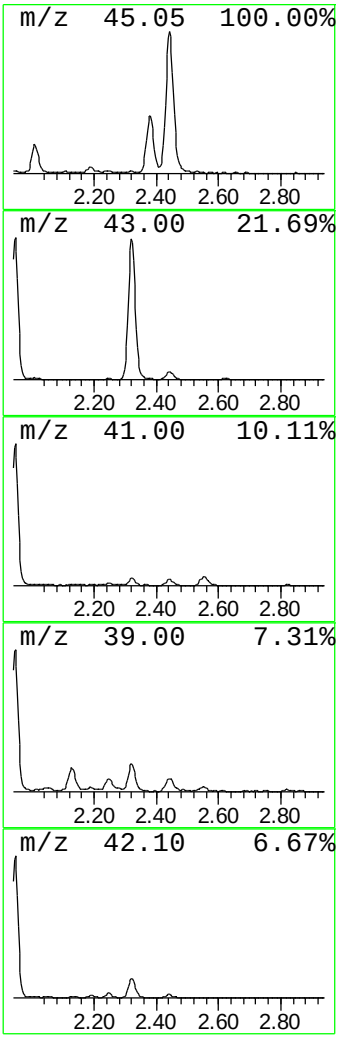
****

Peak Number 4 Isopropyl Alcohol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	3.27 ug/L	47888	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
4	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	40
5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

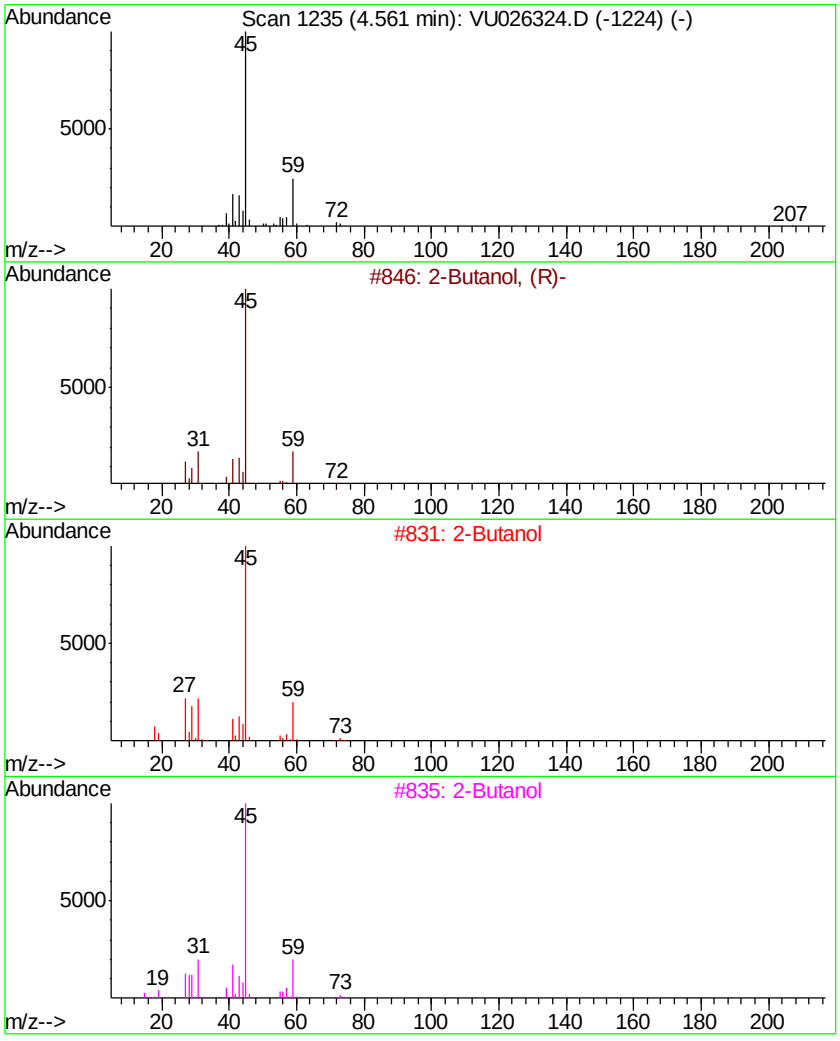
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

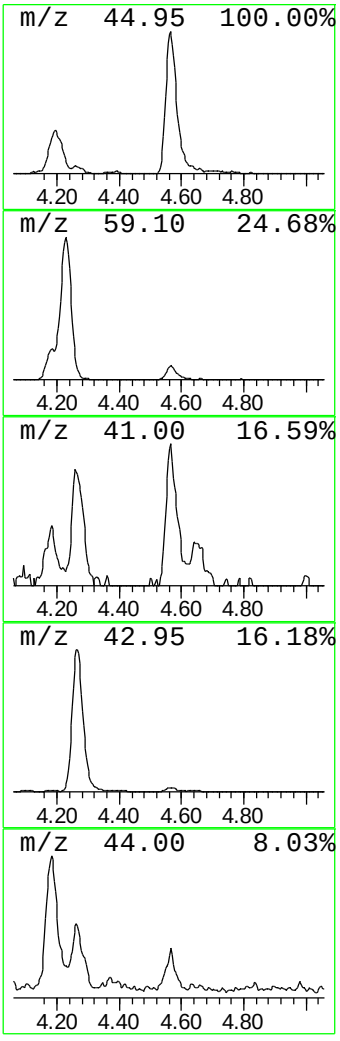
****

Peak Number 5 2-Butanol, (R)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	4.30 ug/L	62865	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, (R)-	74	C4H10O	014898-79-4	83
2	2-Butanol	74	C4H10O	000078-92-2	83
3	2-Butanol	74	C4H10O	000078-92-2	83
4	2-Butanol	74	C4H10O	000078-92-2	83
5	2-Butanol	74	C4H10O	000078-92-2	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

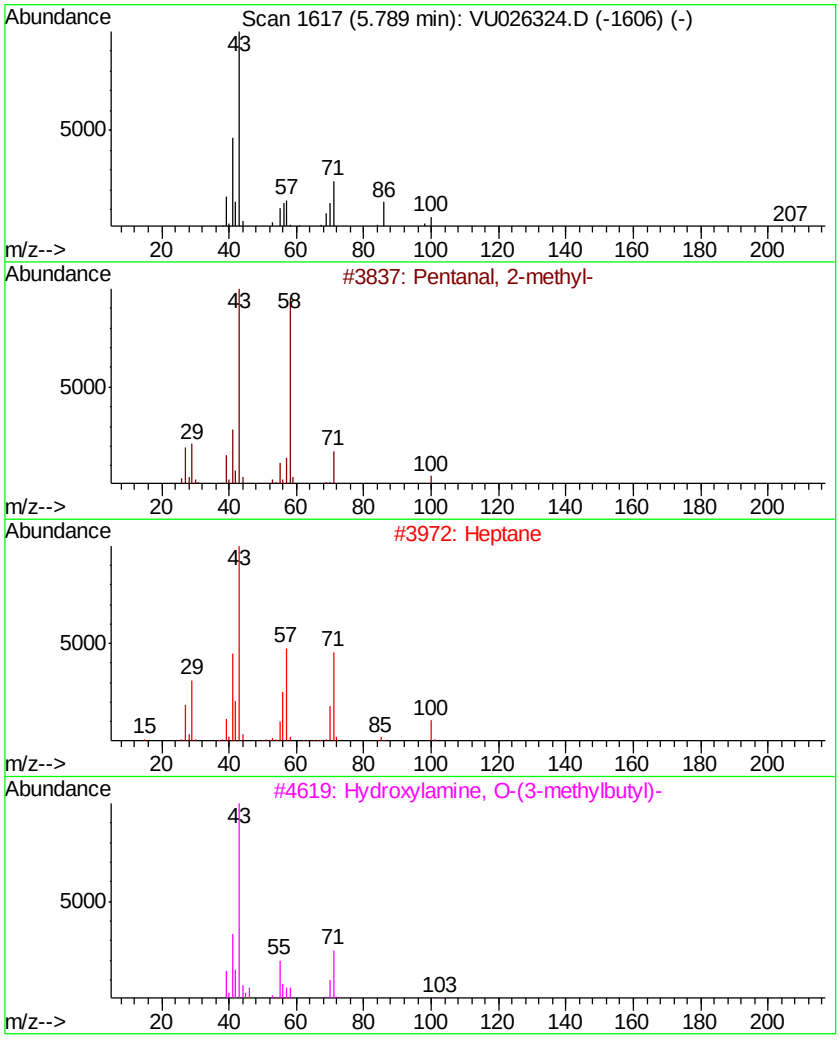
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

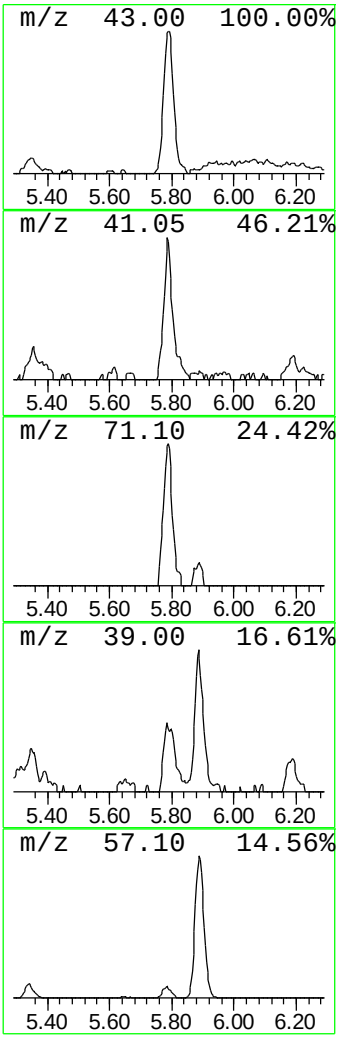
****

Peak Number 6 Pentanal, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	2.95 ug/L	43157	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	53
2	Heptane	100	C7H16	000142-82-5	50
3	Hydroxylamine, O-(3-methylbutyl)-	103	C5H13NO	019411-65-5	45
4	Heptane, 4-azido-	141	C7H15N3	027126-22-3	43
5	Oxalic acid, monoamide, n-propyl...	313	C18H35NO3	1000309-65-2	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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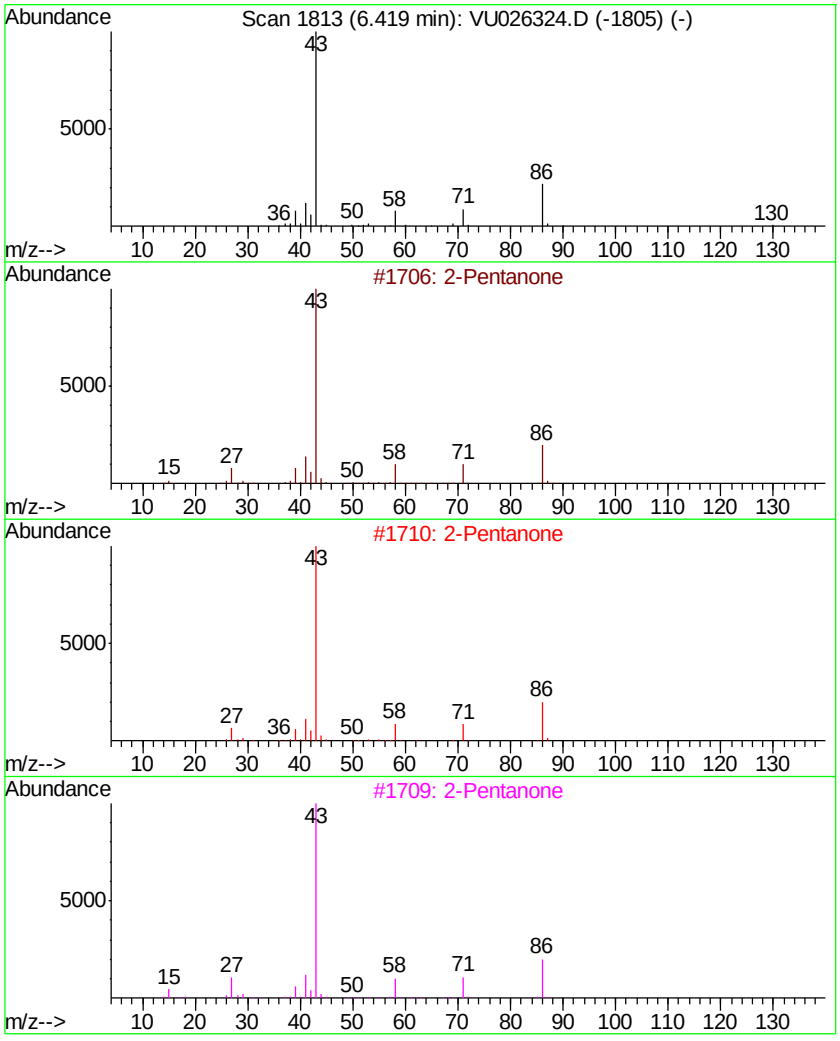
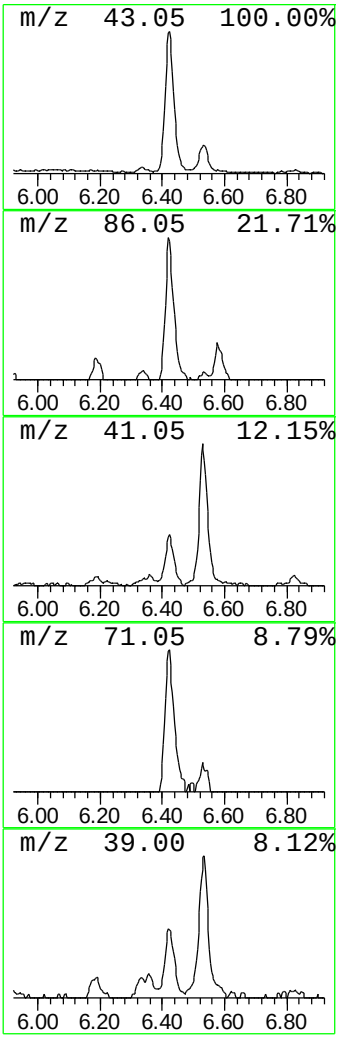
Peak Number 7 2-Pentanone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	5.42 ug/L	79358	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	80
2	2-Pentanone	86	C5H10O	000107-87-9	72
3	2-Pentanone	86	C5H10O	000107-87-9	59
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59
5	2-Butanol, 3-methyl-, acetate	130	C7H14O2	005343-96-4	37





Library Search Compound Report

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Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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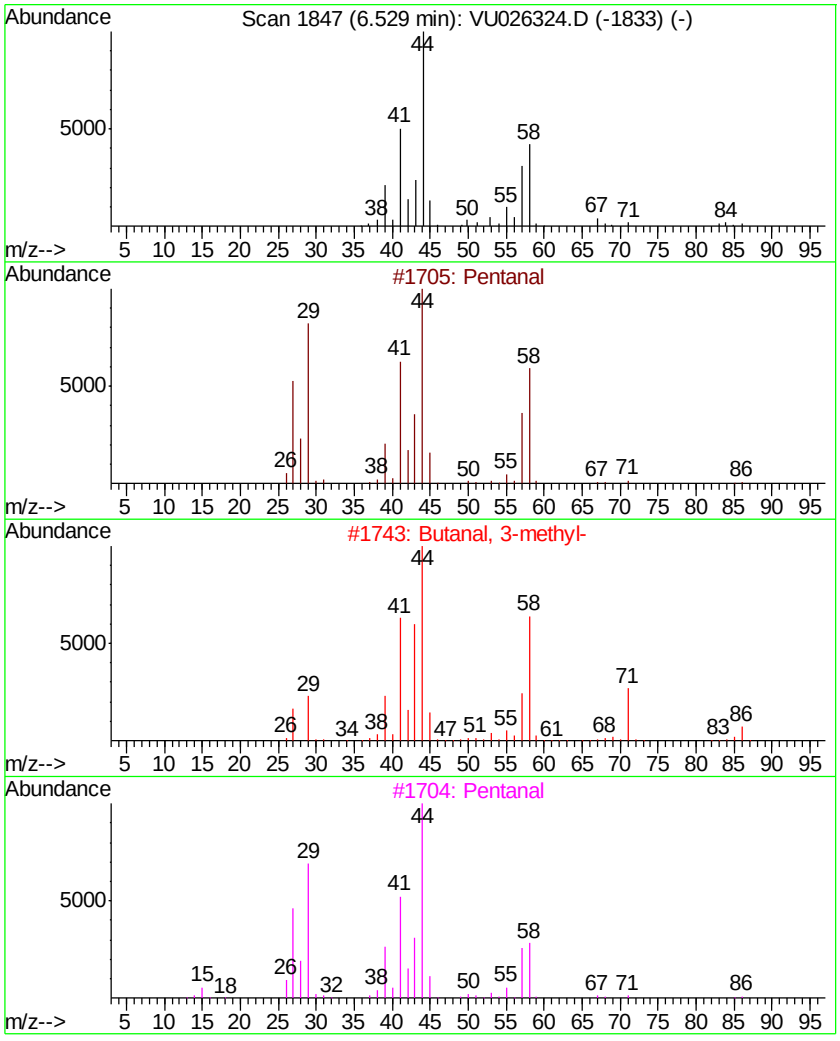
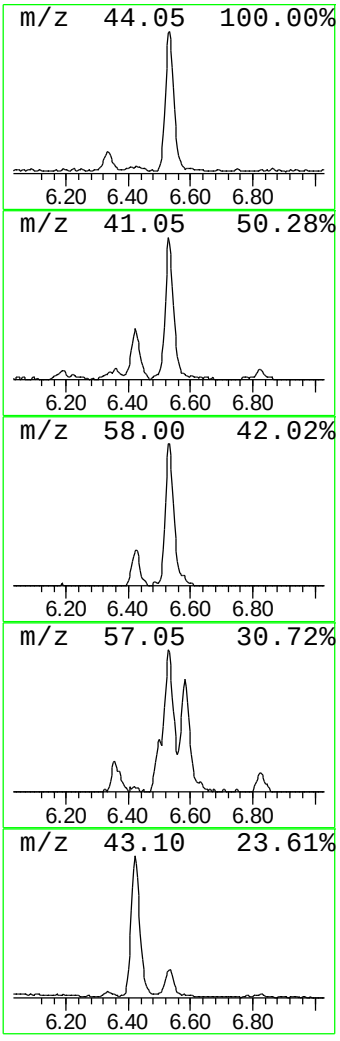
Peak Number 8 Pentanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	7.41 ug/L	108449	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	86
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	78
3	Pentanal	86	C5H10O	000110-62-3	72
4	Pentanal	86	C5H10O	000110-62-3	56
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	50





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Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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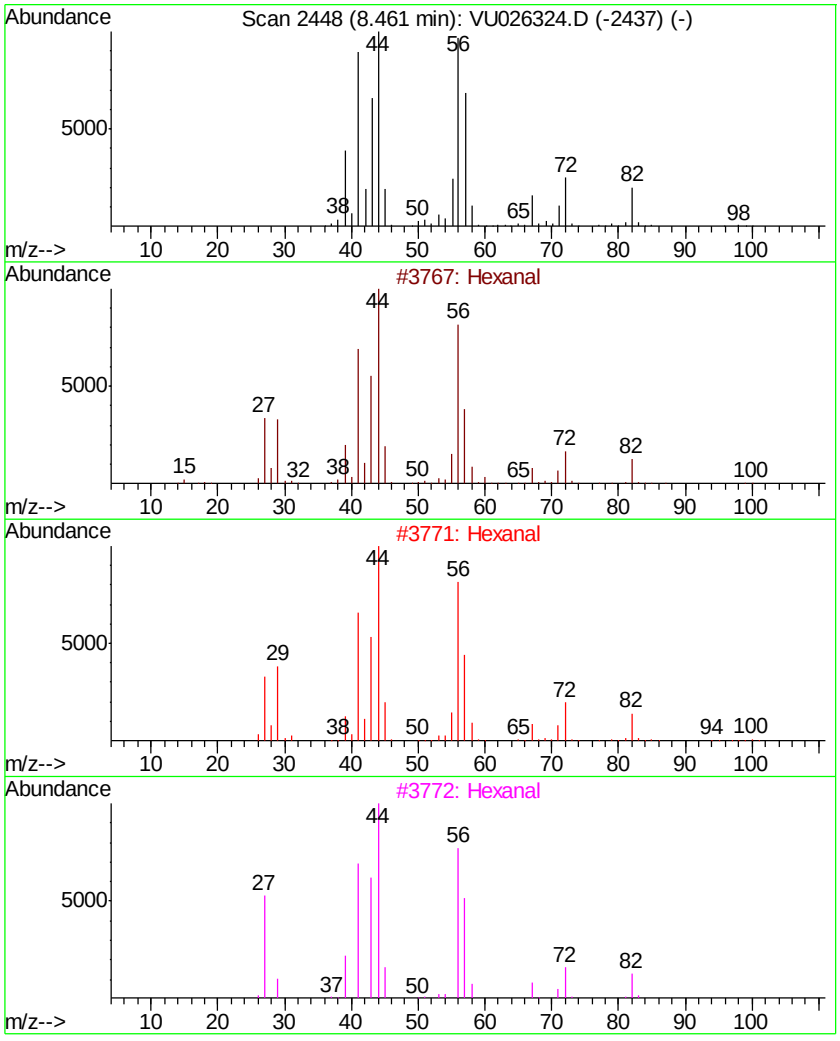
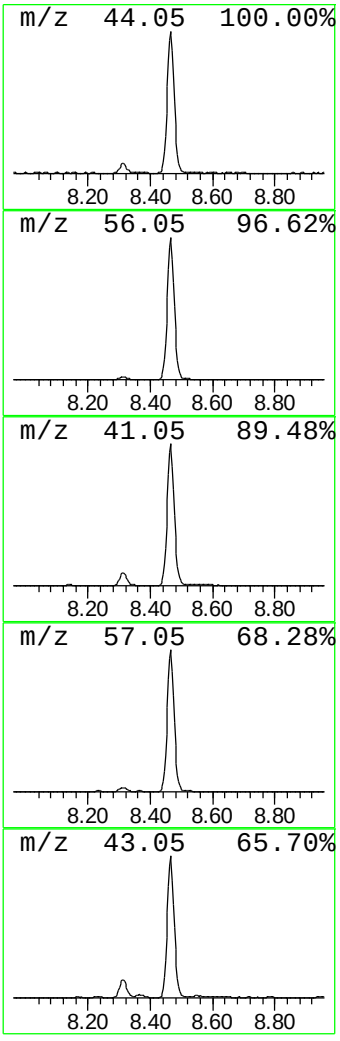
Peak Number 11 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	70.13 ug/L	1294870	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	74
2	Hexanal	100	C6H12O	000066-25-1	64
3	Hexanal	100	C6H12O	000066-25-1	64
4	Hexanal	100	C6H12O	000066-25-1	53
5	Butanal	72	C4H8O	000123-72-8	43





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Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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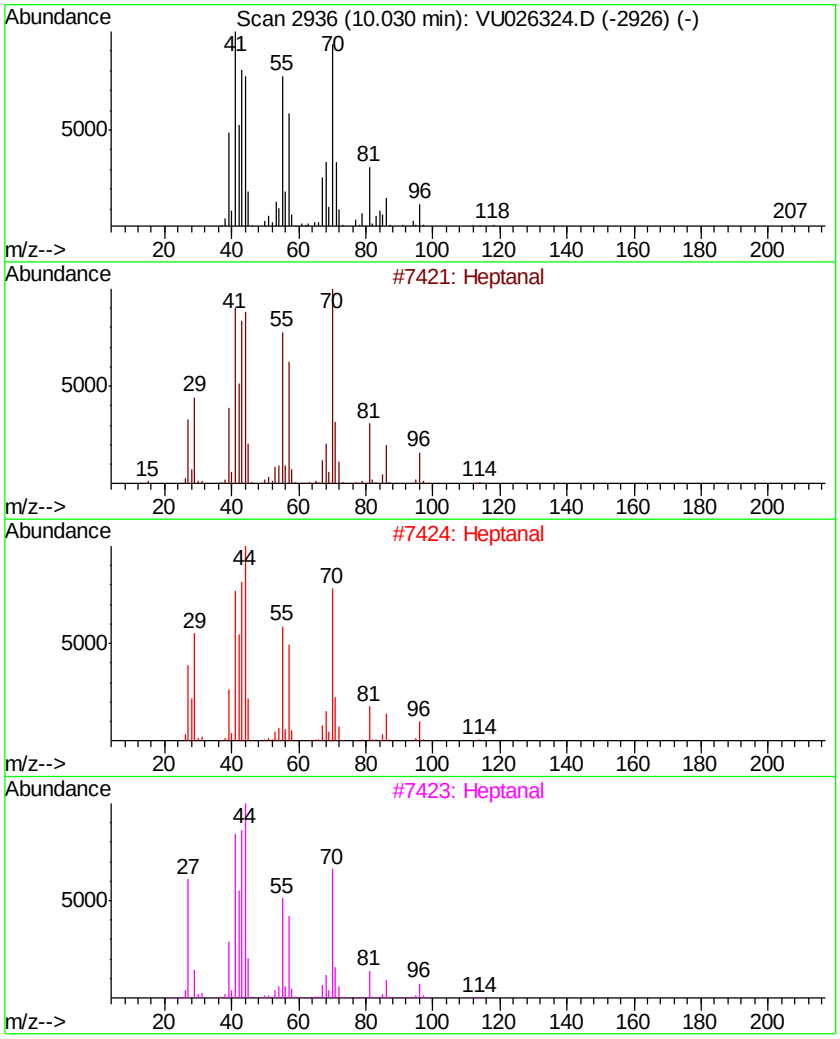
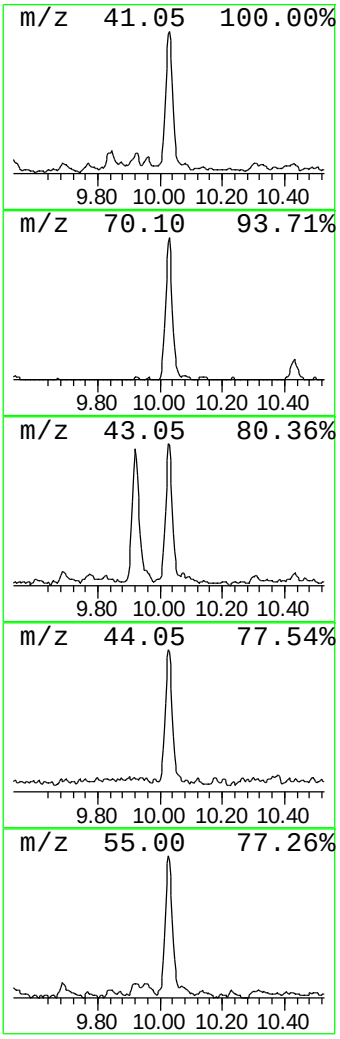
Peak Number 12 Heptanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	7.09 ug/L	130939	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	94
2	Heptanal	114	C7H14O	000111-71-7	80
3	Heptanal	114	C7H14O	000111-71-7	78
4	Heptanal	114	C7H14O	000111-71-7	74
5	Hexanal, 5-methyl-	114	C7H14O	001860-39-5	43





Library Search Compound Report

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Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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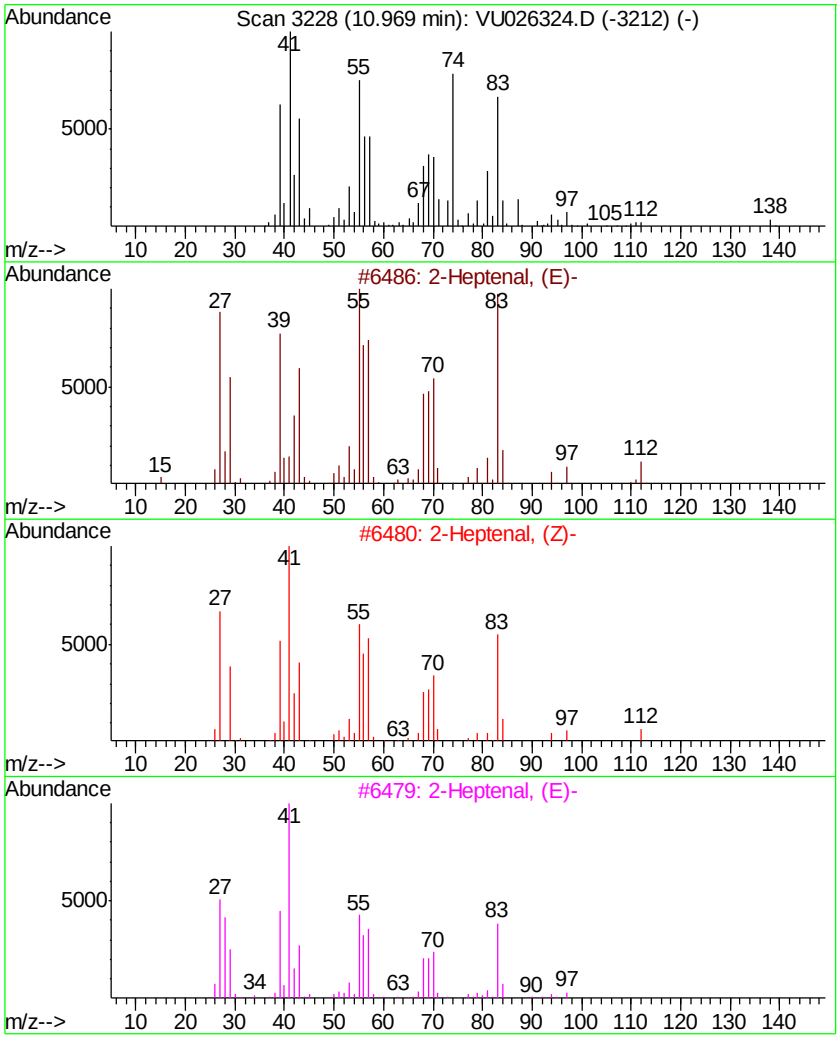
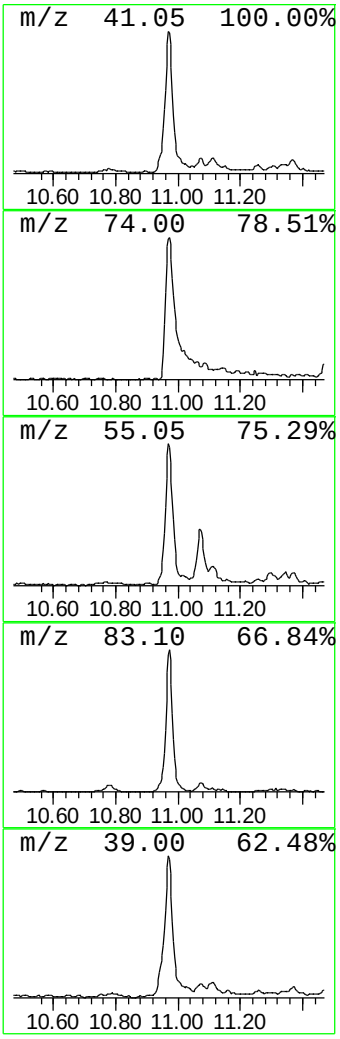
Peak Number 14 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	23.15 ug/L	484843	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptenal, (E)-	112	C7H12O	018829-55-5	49
2	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	49
3	2-Heptenal, (E)-	112	C7H12O	018829-55-5	43
4	2-Pentyn-1-ol	84	C5H8O	006261-22-9	27
5	Pentanoic acid, 2-methyl-	116	C6H12O2	000097-61-0	27





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Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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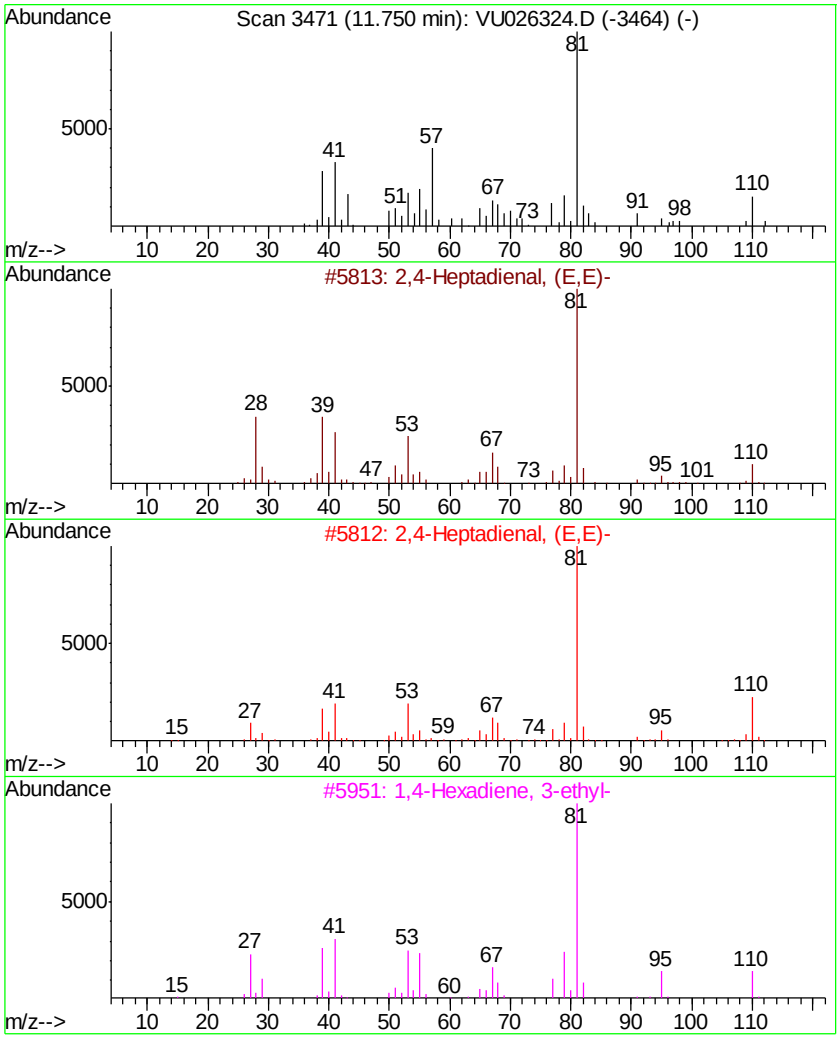
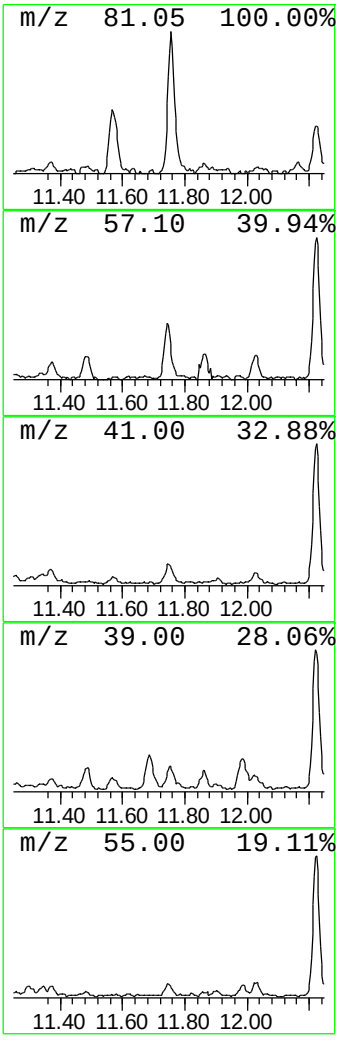
Peak Number 16 2,4-Heptadienal, (E,E)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.83 ug/L	59198	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	90
2	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	87
3	1,4-Hexadiene, 3-ethyl-	110	C8H14	002080-89-9	72
4	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	64
5	1,5-Hexadiene, 2-methyl-	96	C7H12	004049-81-4	64





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Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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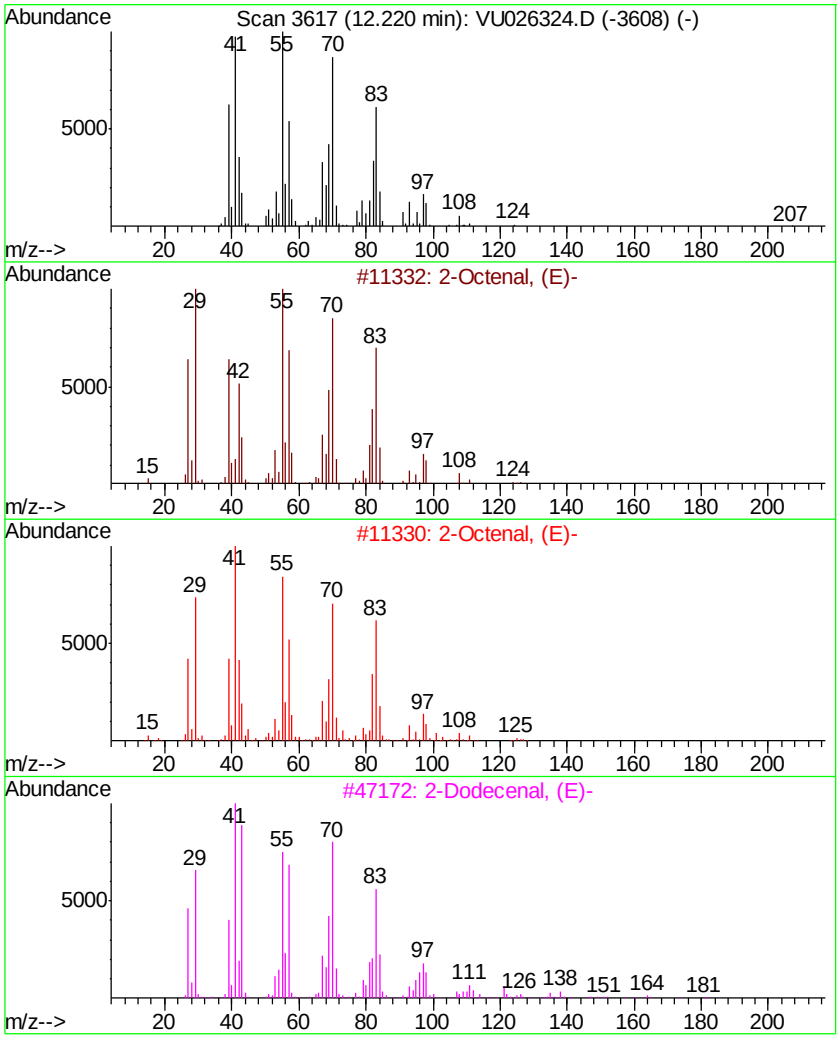
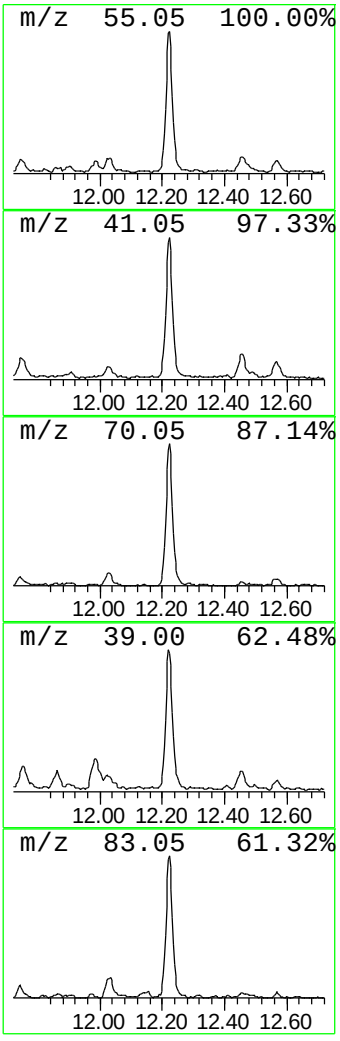
Peak Number 18 2-Octenal, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	12.47 ug/L	261198	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	86
2	2-Octenal, (E)-	126	C8H14O	002548-87-0	72
3	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	64
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	43
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	38





Library Search Compound Report

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Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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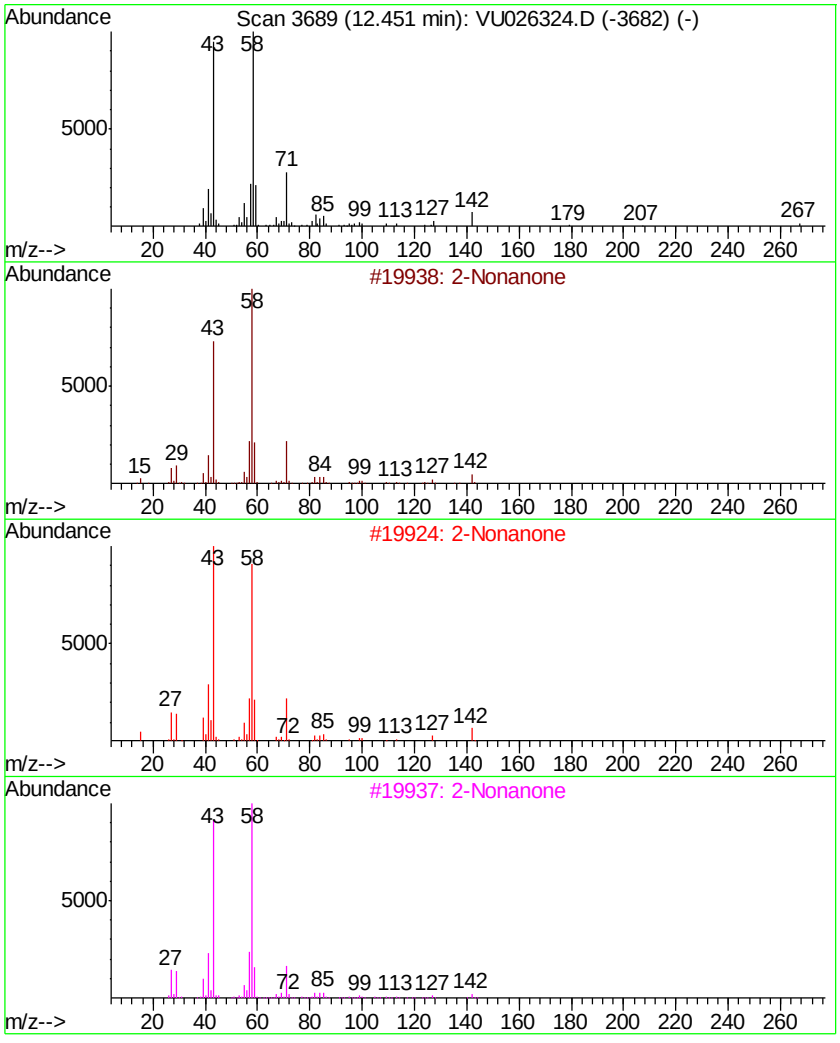
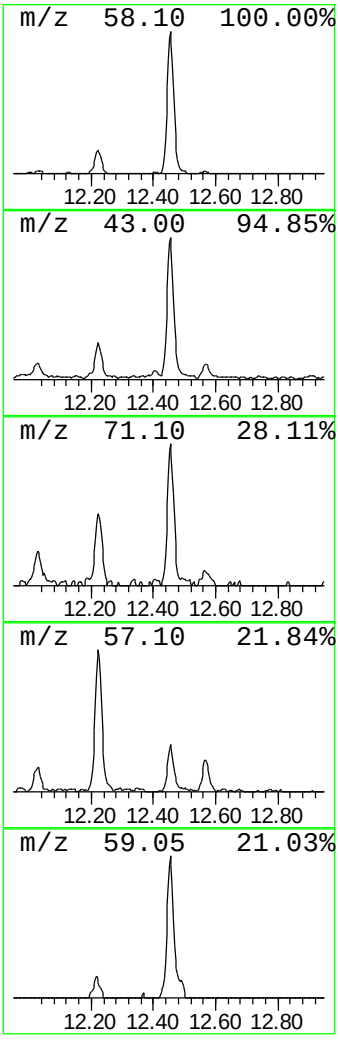
Peak Number 19 2-Nonanone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	5.89 ug/L	123435	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonanone	142	C9H18O	000821-55-6	95
2	2-Nonanone	142	C9H18O	000821-55-6	91
3	2-Nonanone	142	C9H18O	000821-55-6	87
4	2-Nonanone	142	C9H18O	000821-55-6	87
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	78





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Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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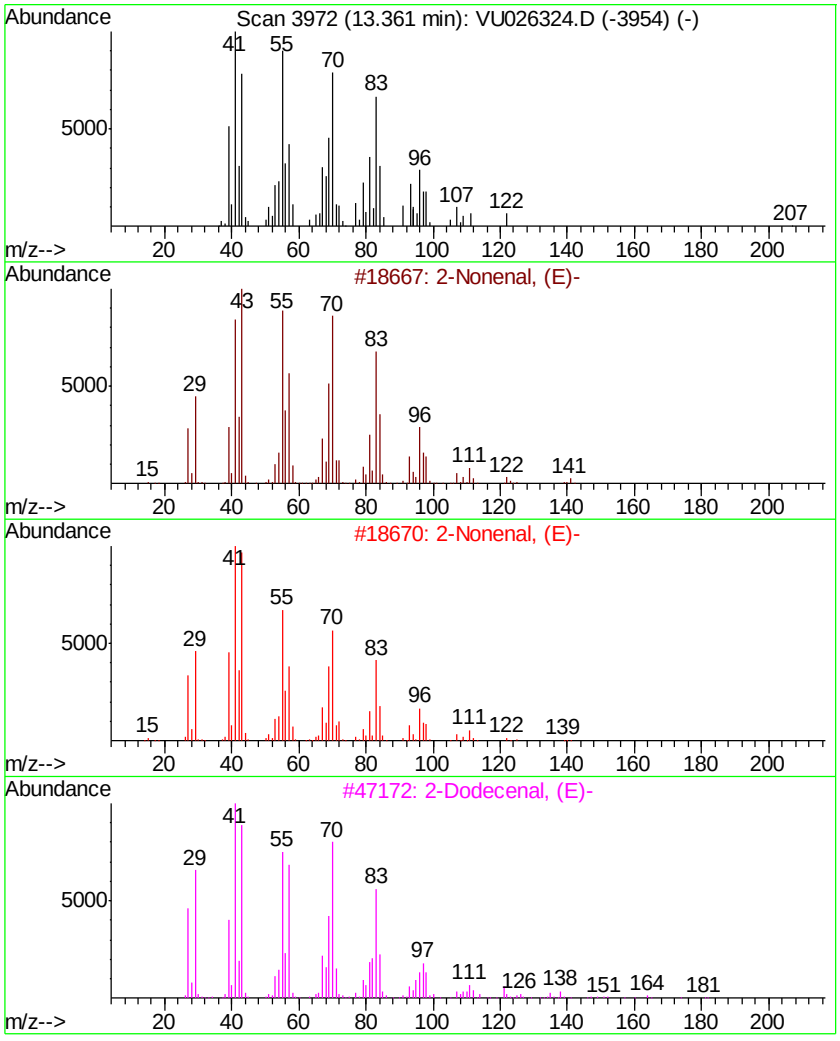
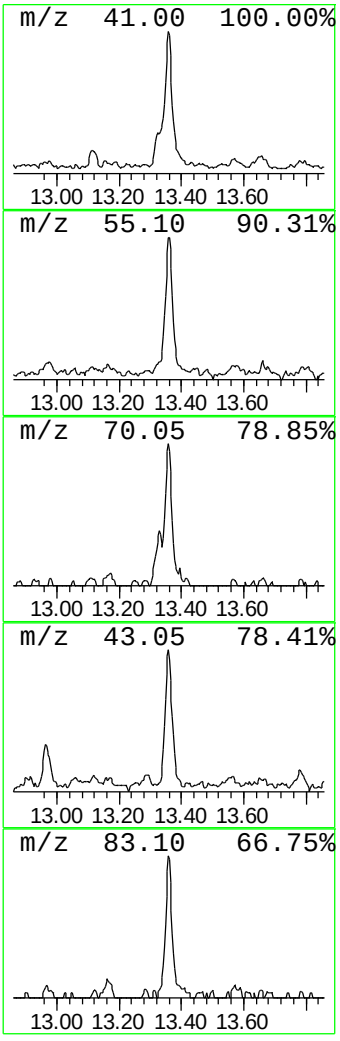
Peak Number 20 2-Nonenal, (E)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	4.74 ug/L	99333	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonenal, (E)-	140	C9H16O	018829-56-6	64
2	2-Nonenal, (E)-	140	C9H16O	018829-56-6	59
3	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	58
4	2-Decenal, (E)-	154	C10H18O	003913-81-3	50
5	2-Decenal, (E)-	154	C10H18O	003913-81-3	47





Library Search Compound Report

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Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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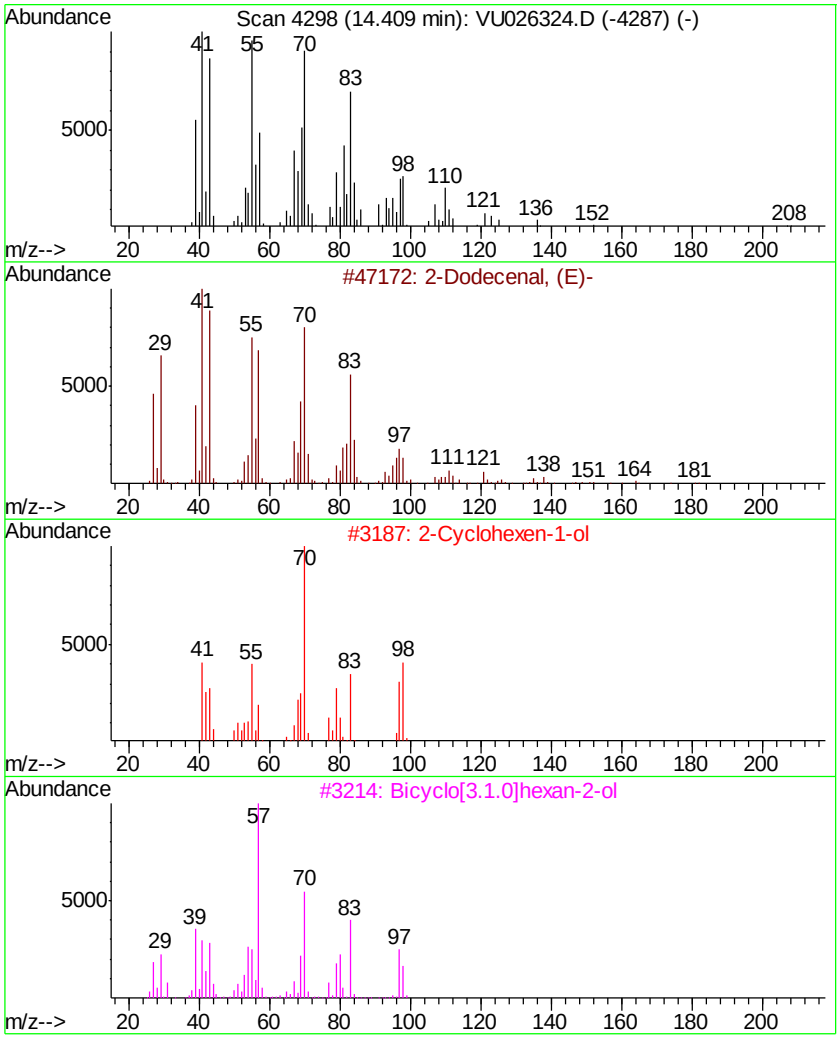
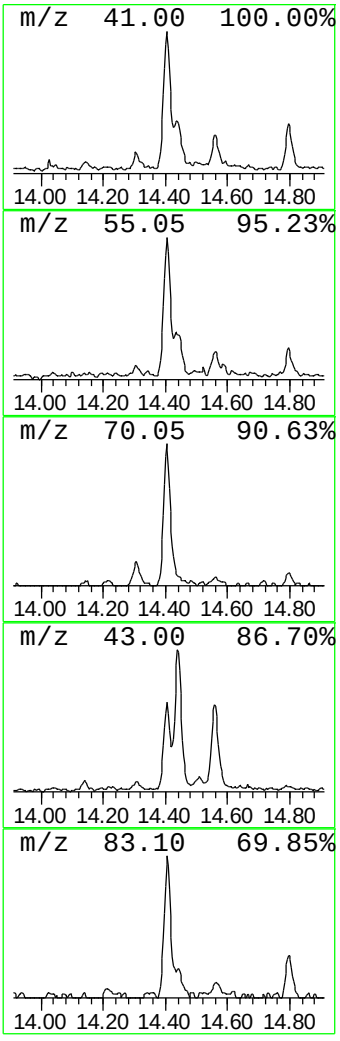
Peak Number 21 2-Dodecenal, (E)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	6.19 ug/L	129657	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	59
2	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	49
3	Bicyclo[3.1.0]hexan-2-ol	98	C6H10O	1000194-18-6	49
4	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	46
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	38





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Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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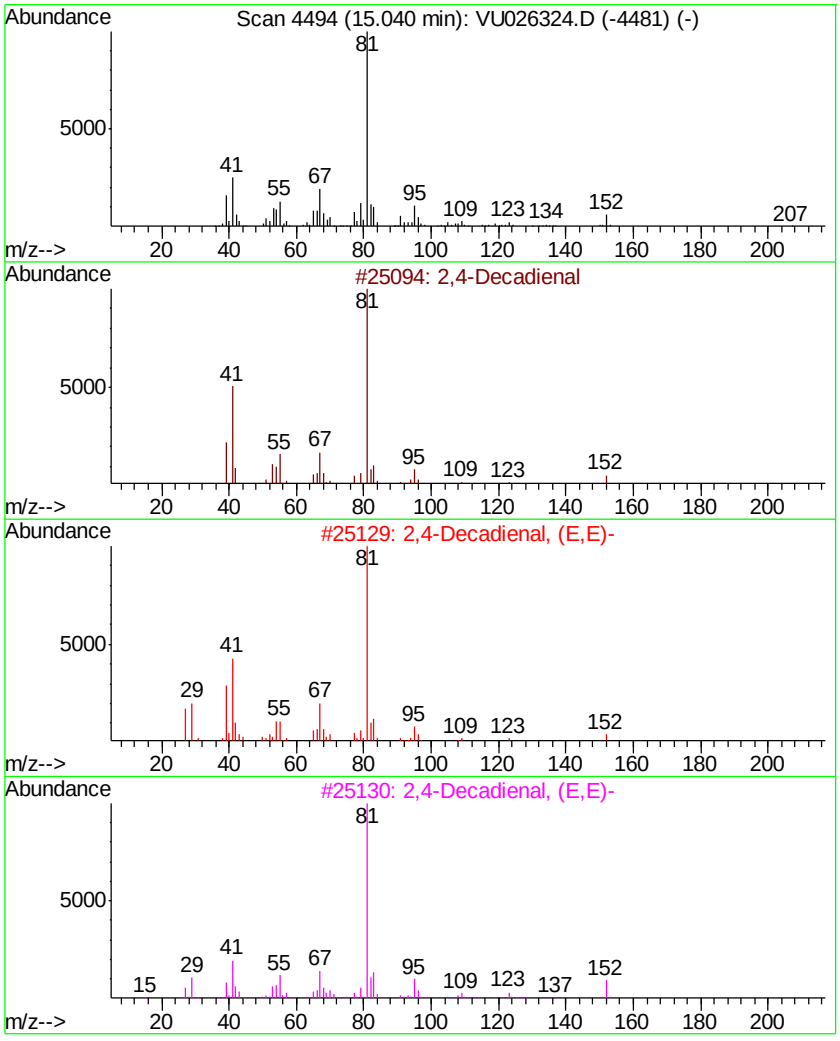
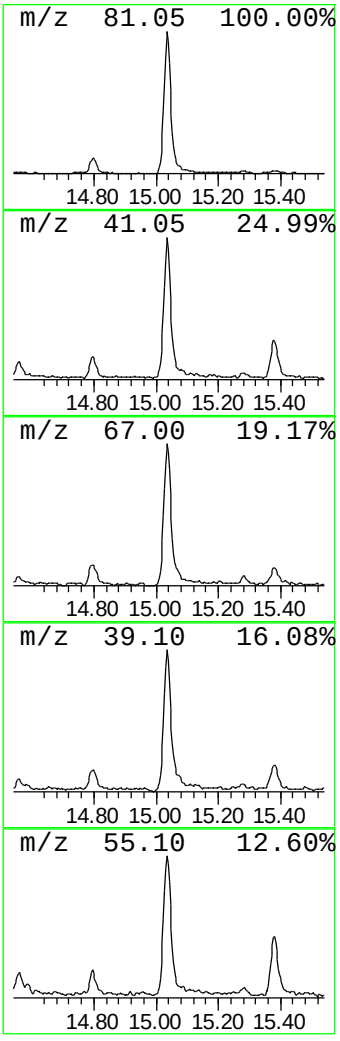
Peak Number 22 2,4-Decadienal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	18.22 ug/L	381683	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Decadienal	152	C10H16O	002363-88-4	90
2	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	87
3	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	87
4	2,4-Decadienal	152	C10H16O	002363-88-4	83
5	2,4-Nonadienal	138	C9H14O	006750-03-4	83





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Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis

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

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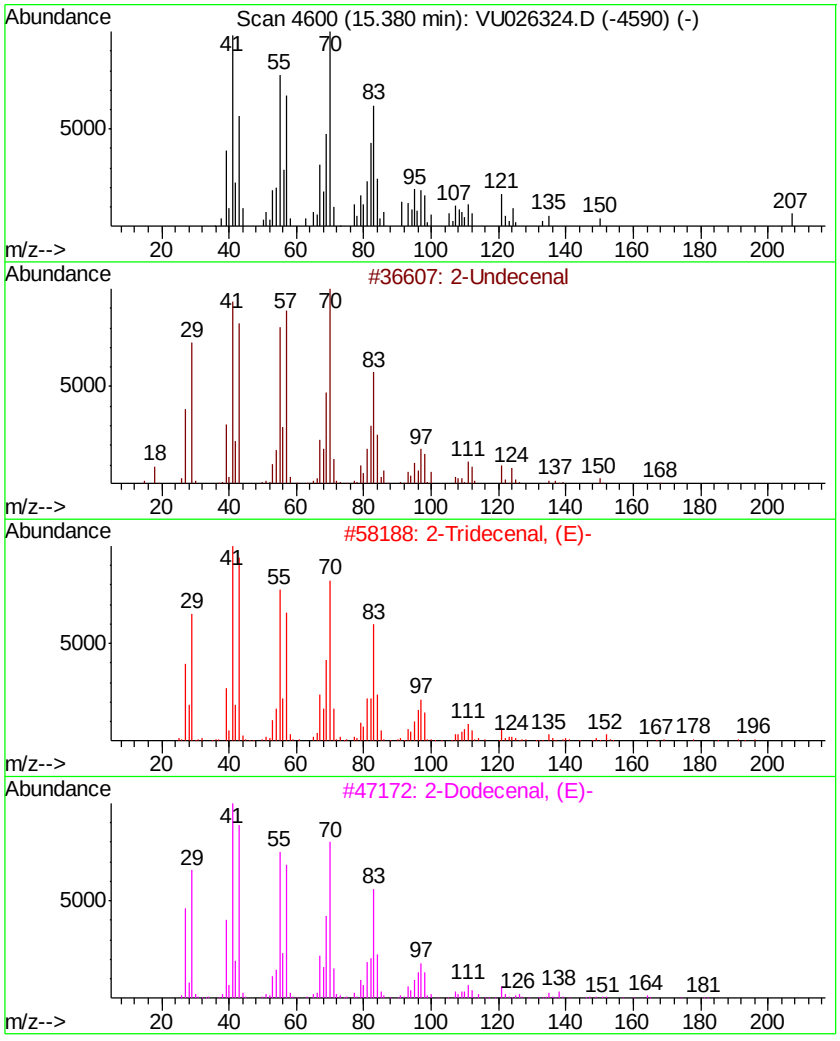
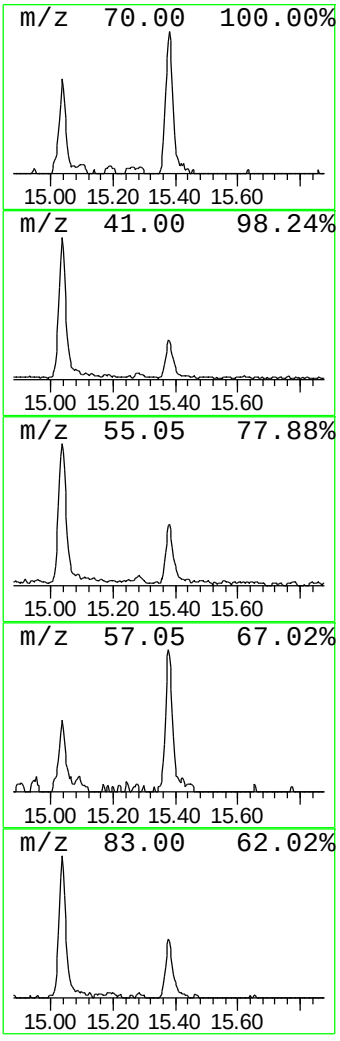
Peak Number 23 2-Undecenal Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	3.86 ug/L	80920	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecenal	168	C11H20O	002463-77-6	59
2	2-Tridecenal, (E)-	196	C13H24O	007069-41-2	58
3	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	58
4	2-Undecenal, E-	168	C11H20O	053448-07-0	53
5	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082318\
Data File : VU026324.D
Acq On : 24 Aug 2018 01:15
Operator : MD/SY
Sample : J4622-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.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...	1.95	22.2	ug/L	324543	1	5.89	731535	50.0
Dimethyl sulfide	2.38	5.1	ug/L	74643	1	5.89	731535	50.0
Isopropyl Alcohol	2.44	3.3	ug/L	47888	1	5.89	731535	50.0
2-Butanol, (R)-	4.56	4.3	ug/L	62865	1	5.89	731535	50.0
Pentanal, 2-methyl-	5.79	3.0	ug/L	43157	1	5.89	731535	50.0
2-Pentanone	6.42	5.4	ug/L	79358	1	5.89	731535	50.0
Pentanal	6.53	7.4	ug/L	108449	1	5.89	731535	50.0
Hexanal	8.46	70.1	ug/L	1294870	2	9.09	923198	50.0
Heptanal	10.03	7.1	ug/L	130939	2	9.09	923198	50.0
unknown-01	10.97	23.1	ug/L	484843	3	11.48	1047340	50.0
2,4-Heptadienal, ...	11.75	2.8	ug/L	59198	3	11.48	1047340	50.0
2-Octenal, (E)-	12.22	12.5	ug/L	261198	3	11.48	1047340	50.0
2-Nonanone	12.45	5.9	ug/L	123435	3	11.48	1047340	50.0
2-Nonenal, (E)-	13.36	4.7	ug/L	99333	3	11.48	1047340	50.0
2-Dodecenal, (E)-	14.41	6.2	ug/L	129657	3	11.48	1047340	50.0
2,4-Decadienal	15.04	18.2	ug/L	381683	3	11.48	1047340	50.0
2-Undecenal	15.38	3.9	ug/L	80920	3	11.48	1047340	50.0