

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
 Data File : VV036170.D
 Acq On : 20 Jun 2024 17:48
 Operator : SY/MD
 Sample : P2960-06
 Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHAZ9

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\SFAMVLM053024SMA.M

Title : VOC Analysis

Signal : TIC: VV036170.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.272	66	72	90	rVB	284638	311243	17.76%	2.080%
2	1.526	144	151	165	rVB	222856	261381	14.91%	1.747%
3	2.050	304	314	331	rVB	475674	688686	39.30%	4.602%
4	2.439	425	435	457	rVB	62263	108490	6.19%	0.725%
5	2.593	481	483	486	rBV3	486	293	0.02%	0.002%
6	2.664	503	505	506	rBV2	461	235	0.01%	0.002%
7	2.841	556	560	563	rVB4	509	465	0.03%	0.003%
8	2.860	563	566	567	rBV2	411	220	0.01%	0.001%
9	2.886	567	574	579	rBV6	1806	2631	0.15%	0.018%
10	2.960	586	597	611	rBV3	13052	25484	1.45%	0.170%
11	3.121	645	647	650	rVB2	476	317	0.02%	0.002%
12	3.143	650	654	657	rBV3	488	414	0.02%	0.003%
13	3.182	661	666	668	rVB3	481	419	0.02%	0.003%
14	3.198	668	671	676	rBV3	442	428	0.02%	0.003%
15	3.220	676	678	681	rVB2	423	256	0.01%	0.002%
16	3.288	695	699	702	rBV2	310	231	0.01%	0.002%
17	3.307	702	705	708	rBV2	424	278	0.02%	0.002%
18	3.339	711	715	722	rVB3	275	280	0.02%	0.002%
19	3.455	747	751	754	rBV2	487	303	0.02%	0.002%
20	3.494	759	763	768	rVB2	272	268	0.02%	0.002%
21	3.606	795	798	803	rVB2	353	299	0.02%	0.002%
22	3.651	803	812	814	rBV3	726	883	0.05%	0.006%
23	3.664	814	816	819	rBV3	406	274	0.02%	0.002%
24	3.783	848	853	855	rBV2	441	383	0.02%	0.003%
25	3.828	855	867	908	rBV	33911	156348	8.92%	1.045%
26	4.243	980	996	1034	rVV	281552	745836	42.56%	4.984%
27	4.490	1071	1073	1075	rVB3	520	230	0.01%	0.002%
28	4.638	1116	1119	1122	rVV3	518	372	0.02%	0.002%
29	4.709	1137	1141	1143	rBV	280	226	0.01%	0.002%
30	4.719	1143	1144	1149	rVV2	470	228	0.01%	0.002%
31	4.741	1149	1151	1157	rVB2	506	429	0.02%	0.003%
32	4.950	1201	1216	1260	rBV2	686903	1752575	100.00%	11.712%
33	5.150	1276	1278	1285	rVB5	1035	1023	0.06%	0.007%
34	5.387	1350	1352	1354	rVB3	462	215	0.01%	0.001%
35	5.404	1354	1357	1358	rBV2	772	524	0.03%	0.004%
36	5.461	1370	1375	1378	rBV3	815	913	0.05%	0.006%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
 Data File : VV036170.D
 Acq On : 20 Jun 2024 17:48
 Operator : SY/MD
 Sample : P2960-06
 Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHAZ9

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\SFAMVLM053024SMA.M
 Title : VOC Analysis

37	5.529	1384	1396	1432	rBV	603298	1275556	72.78%	8.524%
38	5.825	1477	1488	1506	rBV2	22472	50278	2.87%	0.336%
39	5.986	1525	1538	1566	rBV	382524	806251	46.00%	5.388%
40	6.188	1597	1601	1606	rBV6	841	949	0.05%	0.006%
41	6.368	1655	1657	1659	rBV2	840	389	0.02%	0.003%
42	6.410	1668	1670	1672	rBV	543	247	0.01%	0.002%
43	6.474	1684	1690	1691	rBV3	572	545	0.03%	0.004%
44	6.526	1702	1706	1709	rBV4	327	321	0.02%	0.002%
45	6.715	1761	1765	1767	rVB2	442	260	0.01%	0.002%
46	6.735	1767	1771	1773	rBV2	405	287	0.02%	0.002%
47	6.783	1783	1786	1790	rVB2	537	365	0.02%	0.002%
48	6.805	1790	1793	1794	rBV2	486	277	0.02%	0.002%
49	6.841	1800	1804	1807	rBV3	440	404	0.02%	0.003%
50	6.912	1816	1826	1864	rBV	180419	355940	20.31%	2.379%
51	7.172	1902	1907	1909	rBV3	538	503	0.03%	0.003%
52	7.239	1917	1928	1966	rBV	758224	1363855	77.82%	9.114%
53	7.555	2016	2026	2047	rBV	120207	232858	13.29%	1.556%
54	7.805	2100	2104	2107	rBV4	572	472	0.03%	0.003%
55	7.834	2111	2113	2115	rVV3	632	367	0.02%	0.002%
56	7.876	2115	2126	2142	rVV	14714	27364	1.56%	0.183%
57	7.953	2146	2150	2153	rBV3	682	597	0.03%	0.004%
58	8.030	2165	2174	2215	rBV	164554	369847	21.10%	2.472%
59	8.188	2217	2223	2245	rVB4	13118	30600	1.75%	0.204%
60	8.452	2303	2305	2309	rVB3	944	512	0.03%	0.003%
61	8.468	2309	2310	2313	rVB	758	242	0.01%	0.002%
62	8.513	2322	2324	2327	rBV4	541	244	0.01%	0.002%
63	8.558	2333	2338	2339	rBV2	729	531	0.03%	0.004%
64	8.670	2371	2373	2376	rVB2	771	424	0.02%	0.003%
65	8.686	2376	2378	2382	rVB2	525	334	0.02%	0.002%
66	8.783	2396	2408	2440	rBV	975494	1600649	91.33%	10.697%
67	9.143	2518	2520	2526	rVB5	1219	953	0.05%	0.006%
68	9.236	2547	2549	2553	rBV5	461	335	0.02%	0.002%
69	9.300	2566	2569	2574	rVB5	849	649	0.04%	0.004%
70	9.355	2583	2586	2590	rBV3	660	566	0.03%	0.004%
71	9.378	2590	2593	2596	rVB3	415	310	0.02%	0.002%
72	9.442	2609	2613	2616	rBV3	418	296	0.02%	0.002%
73	9.477	2622	2624	2626	rBV3	457	254	0.01%	0.002%
74	9.577	2650	2655	2658	rBV4	964	1174	0.07%	0.008%
75	9.600	2659	2662	2665	rVV4	682	557	0.03%	0.004%
76	9.641	2672	2675	2676	rBV2	873	501	0.03%	0.003%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
 Data File : VV036170.D
 Acq On : 20 Jun 2024 17:48
 Operator : SY/MD
 Sample : P2960-06
 Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHAZ9

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\SFAMVLM053024SMA.M
 Title : VOC Analysis

77	9.969	2775	2777	2781	rVB4	611	354	0.02%	0.002%
78	10.027	2793	2795	2797	rBV3	520	251	0.01%	0.002%
79	10.056	2800	2804	2805	rBV4	897	668	0.04%	0.004%
80	10.101	2816	2818	2822	rVB3	587	386	0.02%	0.003%
81	10.153	2822	2834	2853	rBV	353312	577283	32.94%	3.858%
82	10.249	2862	2864	2869	rVB4	1053	826	0.05%	0.006%
83	10.326	2878	2888	2900	rVB2	19174	29893	1.71%	0.200%
84	10.397	2903	2910	2918	rBV7	1588	2725	0.16%	0.018%
85	10.529	2946	2951	2962	rVB7	7017	12381	0.71%	0.083%
86	10.812	3034	3039	3045	rBV6	2148	3190	0.18%	0.021%
87	11.095	3120	3127	3129	rBV6	3440	3827	0.22%	0.026%
88	11.181	3144	3154	3178	rBV	895819	1396278	79.67%	9.331%
89	11.487	3242	3249	3260	rBV4	15705	37547	2.14%	0.251%
90	11.558	3261	3271	3297	rVB	723562	1154866	65.90%	7.718%
91	11.677	3305	3308	3313	rVB	13316	9342	0.53%	0.062%
92	12.194	3460	3469	3479	rBV2	35444	55594	3.17%	0.372%
93	12.403	3528	3534	3543	rBV4	12561	18504	1.06%	0.124%
94	12.824	3659	3665	3677	rVB3	38188	59248	3.38%	0.396%
95	13.841	3974	3981	3997	rVB3	67527	106216	6.06%	0.710%
96	14.786	4270	4275	4283	rVB	130692	163180	9.31%	1.091%
97	15.358	4447	4453	4461	rBV3	131463	166994	9.53%	1.116%
98	15.673	4544	4551	4565	rVB	292310	383421	21.88%	2.562%
99	15.747	4568	4574	4580	rBV	144514	191969	10.95%	1.283%
100	16.509	4805	4811	4820	rVB	316426	398543	22.74%	2.663%

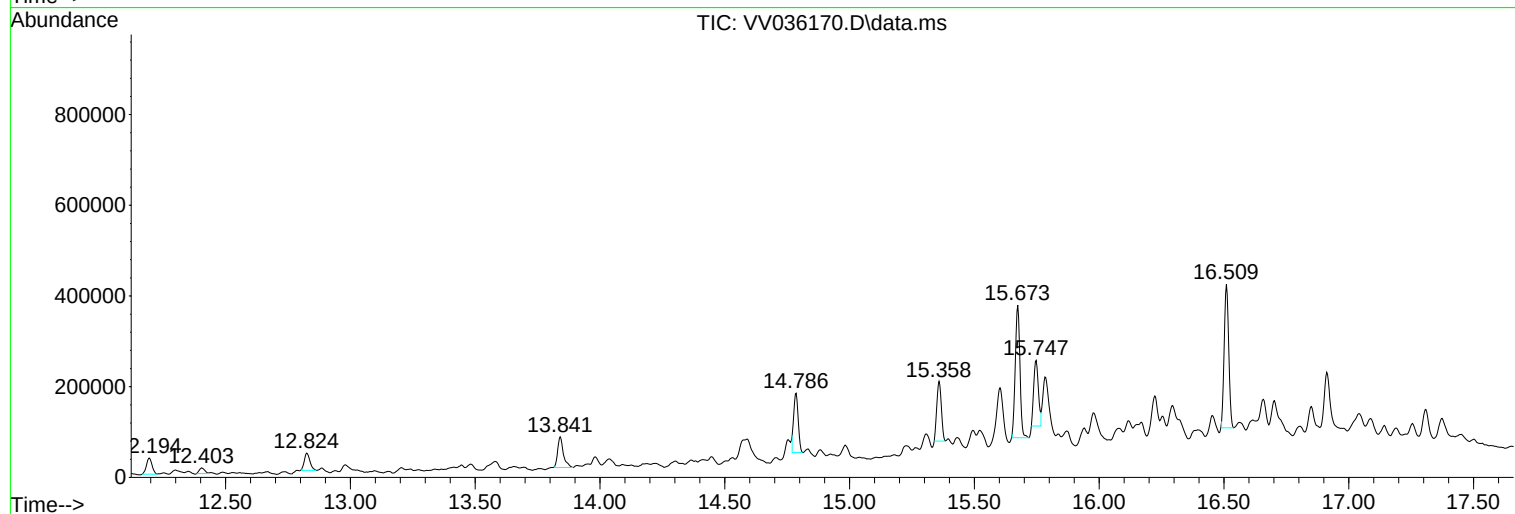
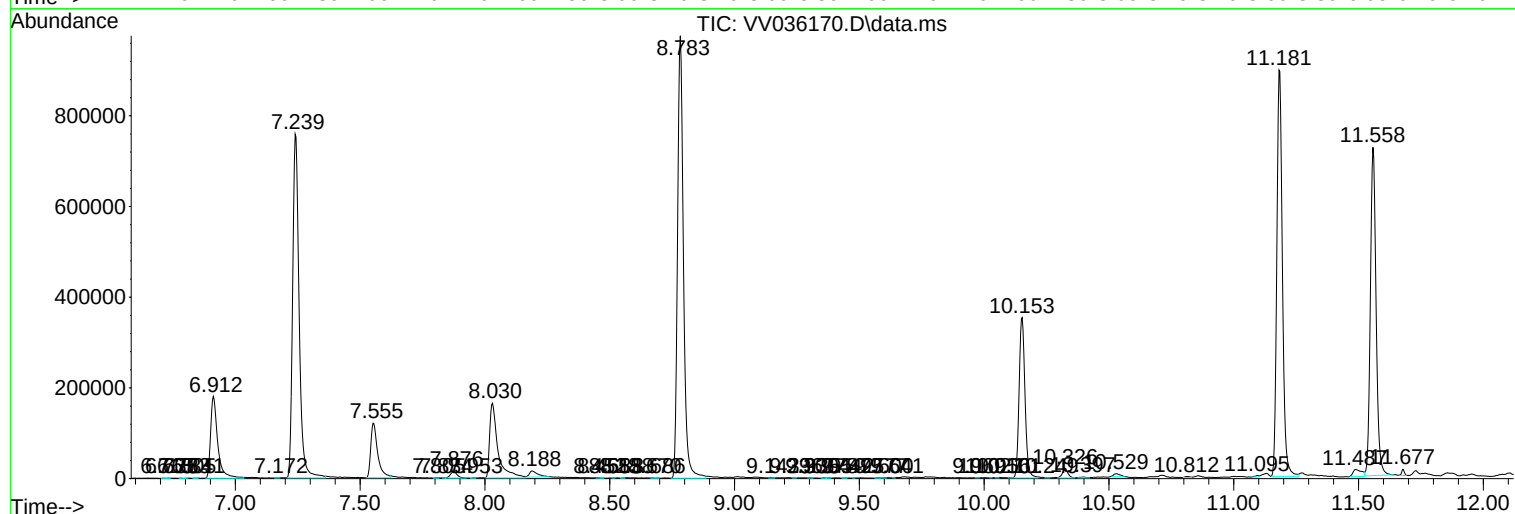
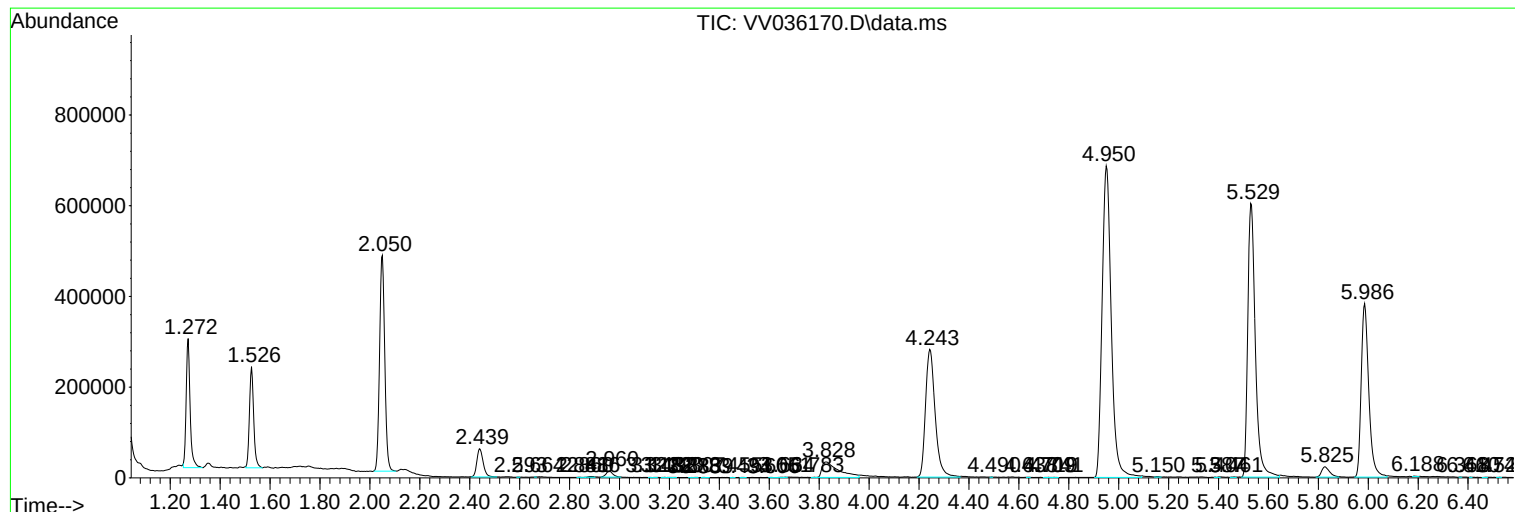
Sum of corrected areas: 14963629

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036170.D
Acq On : 20 Jun 2024 17:48
Operator : SY/MD
Sample : P2960-06
Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036170.D
Acq On : 20 Jun 2024 17:48
Operator : SY/MD
Sample : P2960-06
Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAZ9

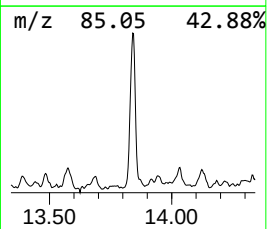
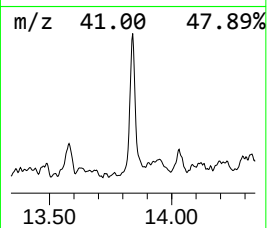
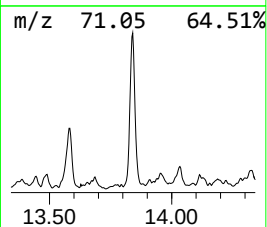
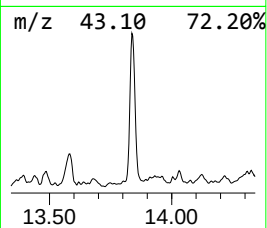
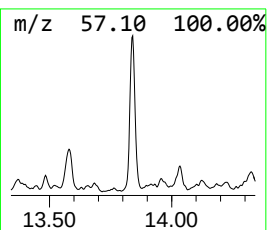
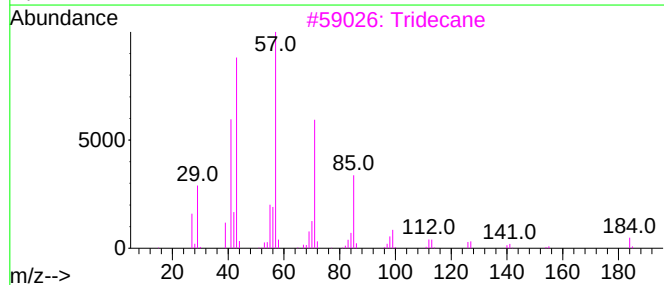
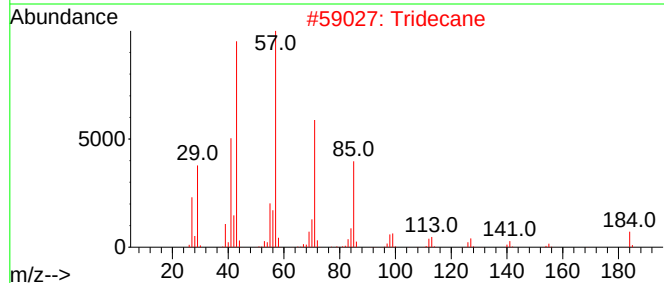
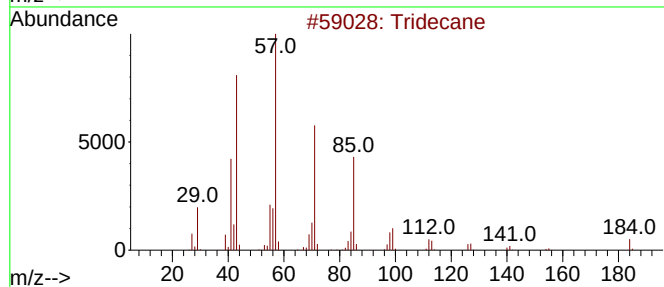
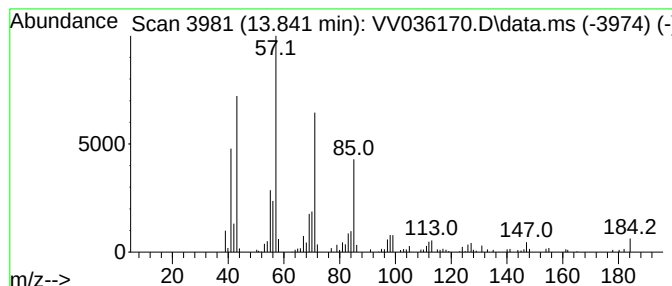
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.841	1.90 ug/L	106216	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	96
2			Tridecane	184	C13H28	000629-50-5	95
3			Tridecane	184	C13H28	000629-50-5	93
4			Tridecane	184	C13H28	000629-50-5	90
5			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036170.D
Acq On : 20 Jun 2024 17:48
Operator : SY/MD
Sample : P2960-06
Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAZ9

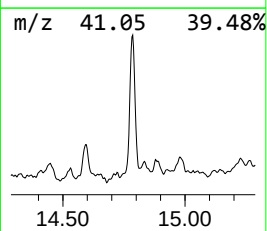
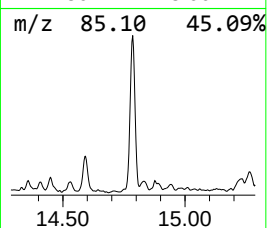
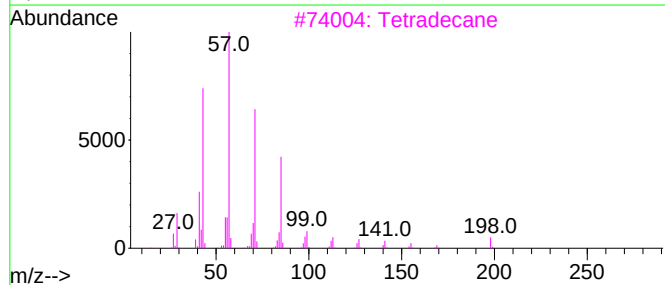
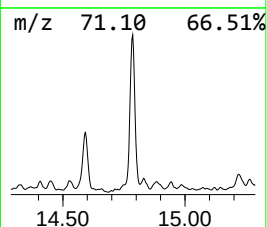
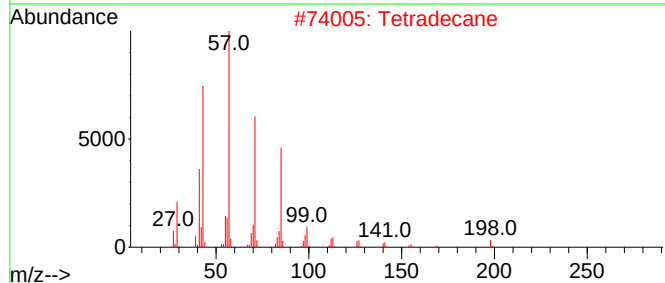
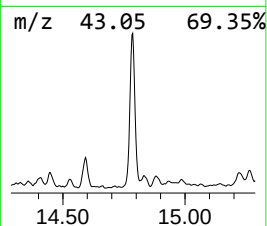
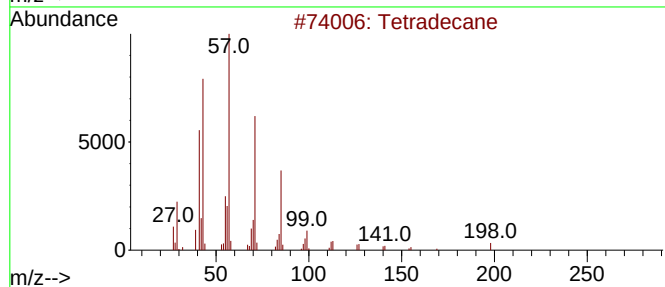
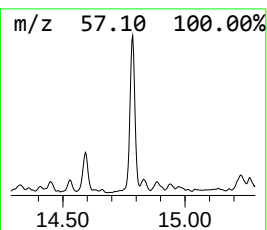
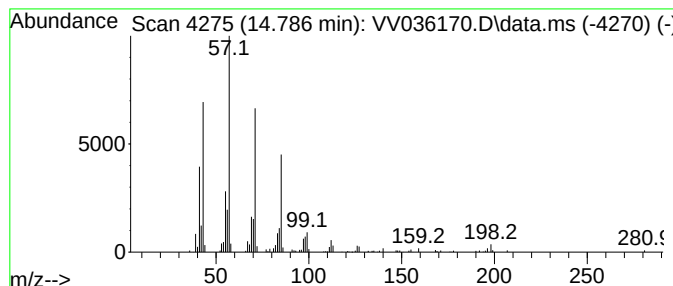
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	2.92 ug/L	163180	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	94
2		Tetradecane	198	C14H30	000629-59-4	93
3		Tetradecane	198	C14H30	000629-59-4	91
4		Tridecane	184	C13H28	000629-50-5	91
5		Nonadecane	268	C19H40	000629-92-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036170.D
Acq On : 20 Jun 2024 17:48
Operator : SY/MD
Sample : P2960-06
Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAZ9

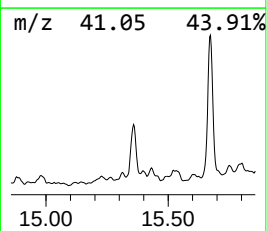
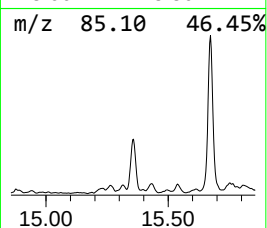
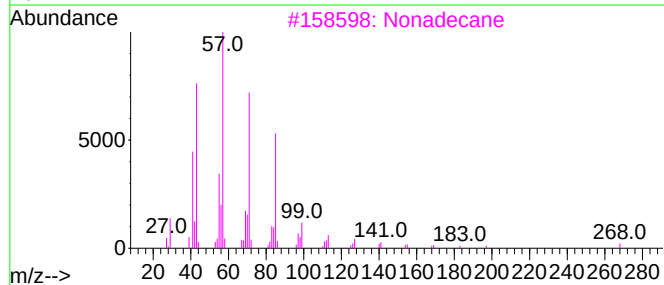
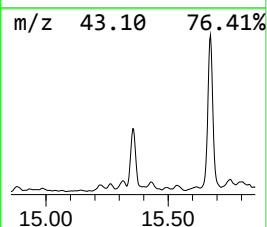
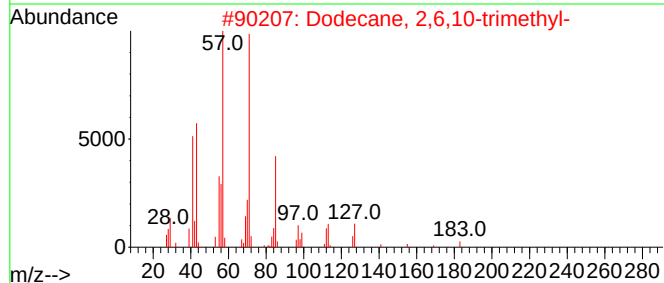
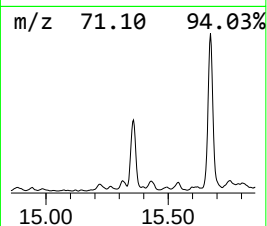
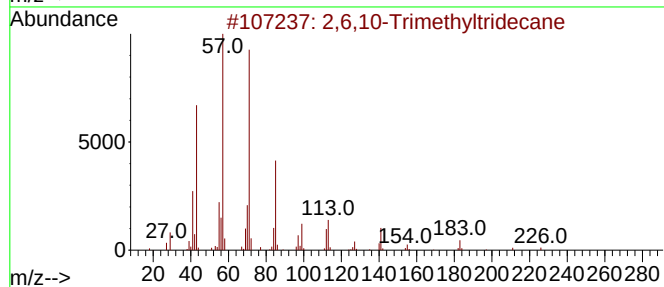
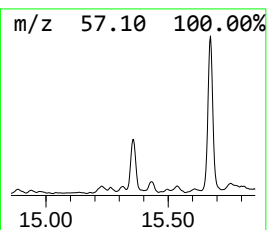
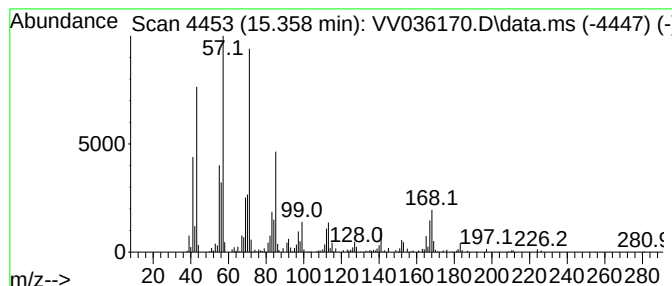
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.358	2.99 ug/L	166994	1,4-Dichlorobenzene-d4	11.185

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	95
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	68
3		Nonadecane	268	C19H40	000629-92-5	64
4		Dodecane, 4-methyl-	184	C13H28	006117-97-1	62
5		Dodecane, 4-methyl-	184	C13H28	006117-97-1	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036170.D
Acq On : 20 Jun 2024 17:48
Operator : SY/MD
Sample : P2960-06
Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAZ9

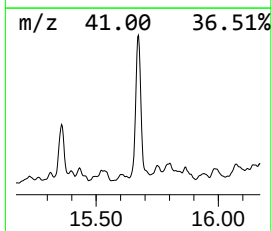
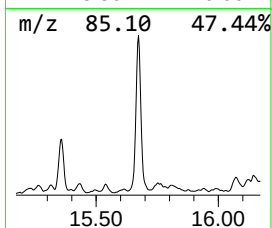
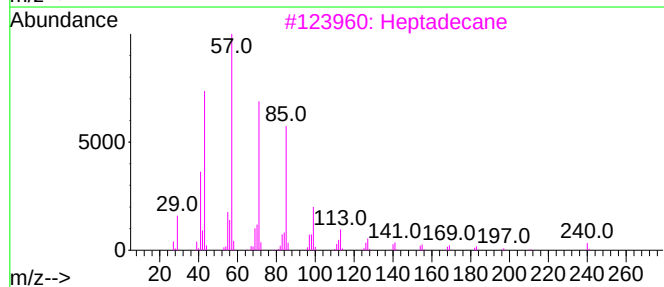
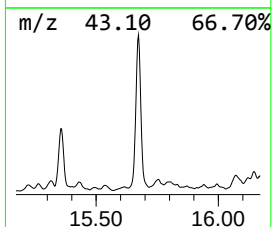
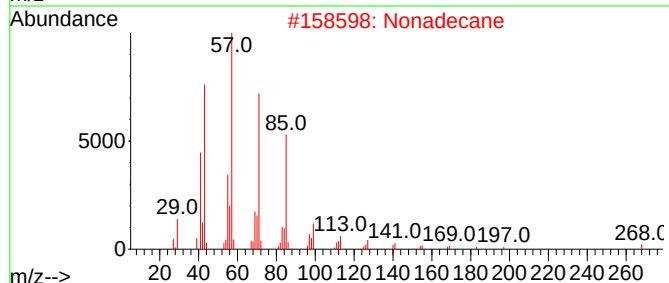
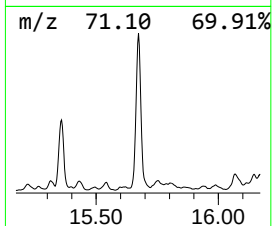
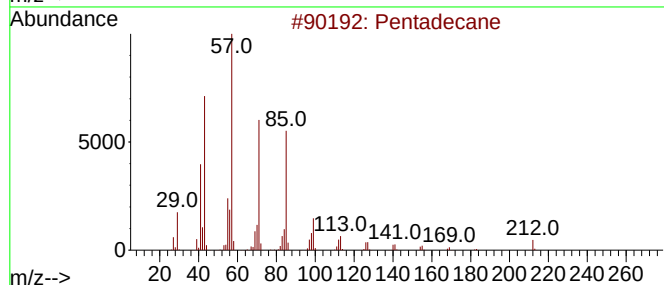
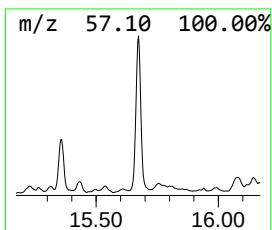
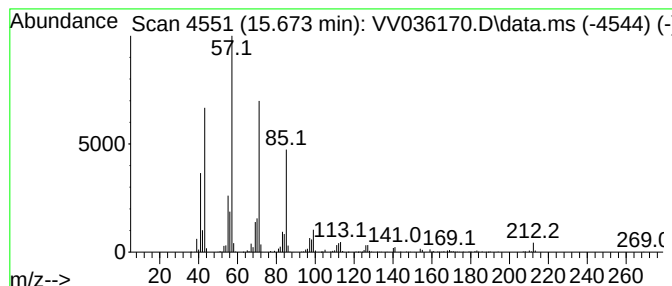
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.673	6.87 ug/L	383421	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	97
2			Nonadecane	268	C19H40	000629-92-5	91
3			Heptadecane	240	C17H36	000629-78-7	90
4			Hexadecane	226	C16H34	000544-76-3	90
5			Pentadecane	212	C15H32	000629-62-9	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036170.D
Acq On : 20 Jun 2024 17:48
Operator : SY/MD
Sample : P2960-06
Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAZ9

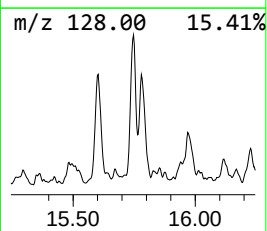
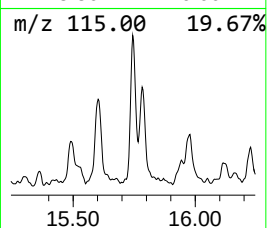
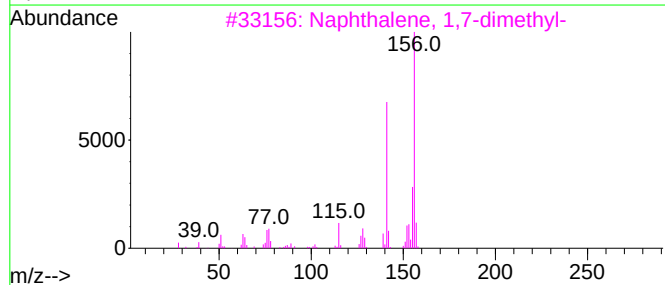
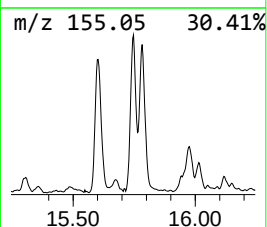
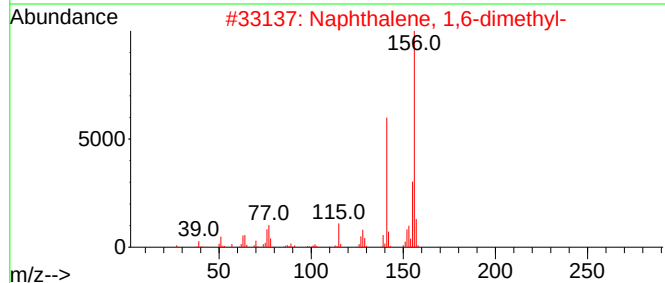
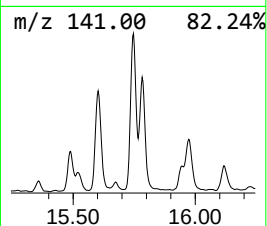
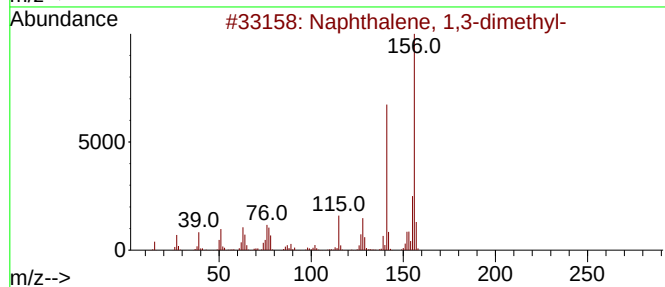
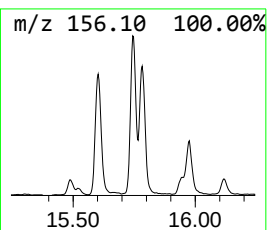
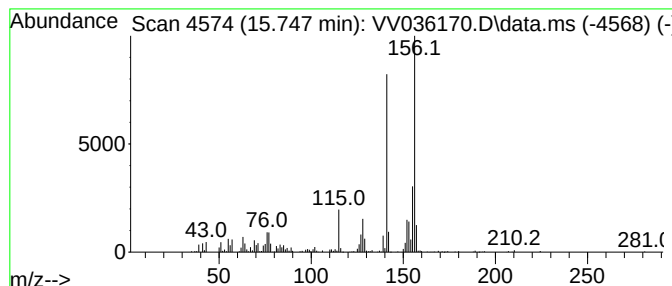
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.747	3.44 ug/L	191969	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036170.D
Acq On : 20 Jun 2024 17:48
Operator : SY/MD
Sample : P2960-06
Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAZ9

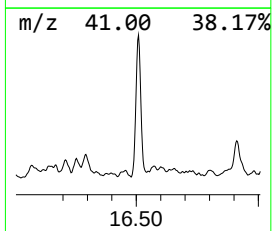
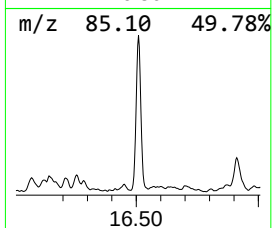
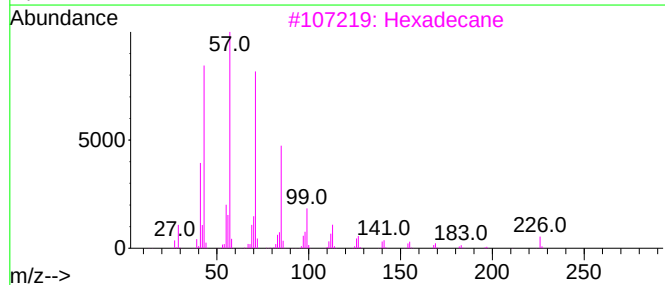
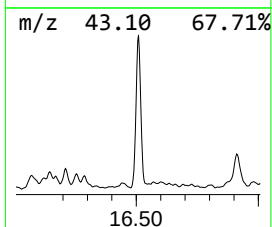
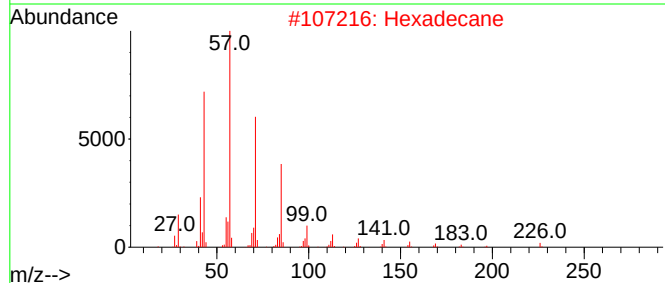
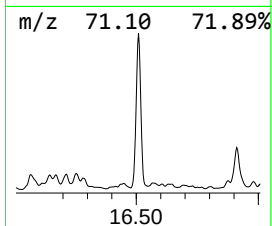
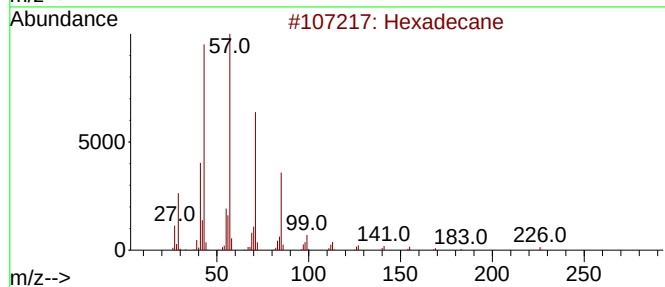
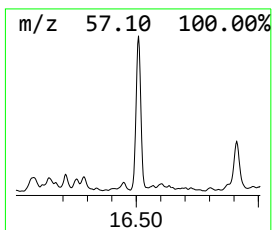
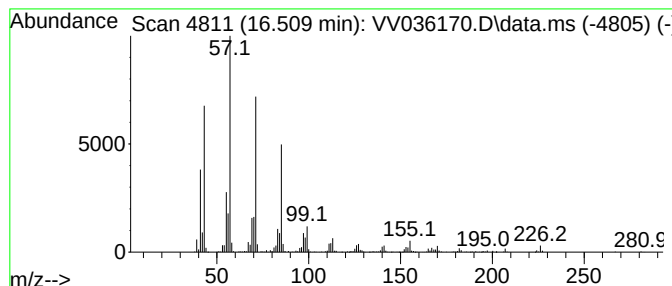
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.509	7.14 ug/L	398543	1,4-Dichlorobenzene-d4	11.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	95
2			Hexadecane	226	C16H34	000544-76-3	94
3			Hexadecane	226	C16H34	000544-76-3	93
4			Hexadecane	226	C16H34	000544-76-3	92
5			Heneicosane	296	C21H44	000629-94-7	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
Data File : VV036170.D
Acq On : 20 Jun 2024 17:48
Operator : SY/MD
Sample : P2960-06
Misc : 3.87g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	13.841	1.9	ug/L	106216	3	11.185	1396280	25.0
(DEL) Alkane: S...	14.786	2.9	ug/L	163180	3	11.185	1396280	25.0
(DEL) Alkane: S...	15.358	3.0	ug/L	166994	3	11.185	1396280	25.0
(DEL) Alkane: S...	15.673	6.9	ug/L	383421	3	11.185	1396280	25.0
Naphthalene, 1...	15.747	3.4	ug/L	191969	3	11.185	1396280	25.0
(DEL) Alkane: S...	16.509	7.1	ug/L	398543	3	11.185	1396280	25.0