LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012825\
Data File : VW031617.D
Acq On : 28 Jan 2025 14:40
Operator : SY/MD
Sample : Q1190-08RE
Misc : 4.16g/10mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

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_W\Method\SFAMWLM011025SMA.M
Title : SFAM01.0

Signal : TIC: VW031617.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.960	9	12	31	rVB3	62718	167850	5.74%	0.753%
2	2.168	40	46	51	rBV3	9876	20220	0.69%	0.091%
3	2.363	68	78	96	rBV	141078	441107	15.07%	1.978%
4	2.503	96	101	109	rVV2	24996	58452	2.00%	0.262%
5	2.789	143	148	157	rVB4	10754	27991	0.96%	0.126%
6	2.899	158	166	183	rVB	115364	339666	11.61%	1.523%
7	3.296	227	231	238	rVB6	3691	7725	0.26%	0.035%
8	3.387	238	246	256	rBV3	19245	43971	1.50%	0.197%
9	3.570	272	276	278	rBV3	1014	1609	0.05%	0.007%
10	3.722	299	301	303	rVV2	1251	1444	0.05%	0.006%
11	3.741	303	304	310	rVV6	1874	2352	0.08%	0.011%
12	3.850	317	322	327	rBV6	1853	3643	0.12%	0.016%
13	4.015	336	349	363	rBV3	327415	1112515	38.02%	4.989%
14	4.149	363	371	386	rVB	88963	313535	10.71%	1.406%
15	4.497	409	428	470	rVV2	220017	1704192	58.24%	7.642%
16	5.411	573	578	579	rVV3	1449	1729	0.06%	0.008%
17	5.429	579	581	587	rVV6	1700	3030	0.10%	0.014%
18	5.783	628	639	652	rBV2	15143	53249	1.82%	0.239%
19	5.947	657	666	673	rVB4	5595	16926	0.58%	0.076%
20	6.106	684	692	693	rBV3	4100	6077	0.21%	0.027%
21	6.606	767	774	775	rBV4	1071	1771	0.06%	0.008%
22	6.899	811	822	837	rBV2	95352	294142	10.05%	1.319%
23	7.081	844	852	863	rBV	89268	285721	9.76%	1.281%
24	7.447	907	912	918	rBV4	2125	4155	0.14%	0.019%
25	7.551	920	929	934	rBV9	1636	4209	0.14%	0.019%
26	7.648	934	945	956	rVV	478246	1186410	40.54%	5.320%
27	7.953	987	995	1001	rBV6	1711	4131	0.14%	0.019%
28	8.270	1037	1047	1069	rBV2	957852	2926295	100.00%	13.123%
29	8.545	1081	1092	1104	rBV3	36574	93429	3.19%	0.419%
30	8.630	1104	1106	1111	rVB5	1332	1735	0.06%	0.008%
31	8.703	1111	1118	1127	rBV3	23982	59277	2.03%	0.266%
32	8.837	1131	1140	1153	rVV	1054772	2050695	70.08%	9.196%
33	9.057	1168	1176	1177	rBV4	9165	14779	0.51%	0.066%
34	9.081	1177	1180	1188	rVB4	12552	28578	0.98%	0.128%
35	9.270	1201	1211	1220	rBV	653074	1328804	45.41%	5.959%
36	9.404	1226	1233	1248	rVB	202933	383099	13.09%	1.718%

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Instrument :
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ClientSampleId :
A44S7RE

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_W\Method\SFAMWLM011025SMA.M
Title : SFAM01.0

37	9.544	1253	1256	1261	rVB3	1926	3371	0.12%	0.015%
38	9.666	1270	1276	1279	rBV5	3113	5961	0.20%	0.027%
39	9.733	1284	1287	1292	rVB5	1204	1626	0.06%	0.007%
40	9.843	1301	1305	1308	rBV5	843	1556	0.05%	0.007%
41	10.032	1326	1336	1346	rBV	321979	591432	20.21%	2.652%
42	10.124	1349	1351	1361	rVB7	3398	6004	0.21%	0.027%
43	10.209	1361	1365	1368	rBV4	1714	2314	0.08%	0.010%
44	10.319	1372	1383	1390	rBV	1113244	1934735	66.12%	8.676%
45	10.386	1390	1394	1407	rVB	32970	62445	2.13%	0.280%
46	10.502	1407	1413	1417	rVB6	4203	7964	0.27%	0.036%
47	10.575	1417	1425	1431	rBV	184287	324488	11.09%	1.455%
48	10.697	1440	1445	1450	rVB2	9900	17651	0.60%	0.079%
49	10.745	1450	1453	1459	rVB6	2163	4076	0.14%	0.018%
50	10.861	1463	1472	1476	rBV3	9829	18826	0.64%	0.084%
51	10.922	1476	1482	1495	rVB	306901	526616	18.00%	2.362%
52	11.068	1498	1506	1523	rBV	962828	1620333	55.37%	7.266%
53	11.209	1528	1529	1534	rVB4	1492	1678	0.06%	0.008%
54	11.349	1549	1552	1556	rVB5	1816	2984	0.10%	0.013%
55	11.562	1583	1587	1590	rBV5	2178	3730	0.13%	0.017%
56	11.629	1590	1598	1606	rVV	900709	1552511	53.05%	6.962%
57	11.727	1607	1614	1621	rVV7	7350	19833	0.68%	0.089%
58	11.843	1624	1633	1643	rVV3	52345	117951	4.03%	0.529%
59	11.940	1645	1649	1658	rVV3	18572	36747	1.26%	0.165%
60	12.020	1659	1662	1667	rVV5	2503	4099	0.14%	0.018%
61	12.099	1670	1675	1680	rBV6	2026	3282	0.11%	0.015%
62	12.166	1680	1686	1690	rVV3	4485	7744	0.26%	0.035%
63	12.233	1694	1697	1703	rVB4	2691	4795	0.16%	0.022%
64	12.330	1707	1713	1727	rBV	100773	172007	5.88%	0.771%
65	12.507	1739	1742	1745	rVB5	1442	1613	0.06%	0.007%
66	12.599	1750	1757	1763	rBV	36727	60372	2.06%	0.271%
67	12.690	1764	1772	1779	rVV	314398	537092	18.35%	2.409%
68	12.806	1789	1791	1794	rVB4	1500	1457	0.05%	0.007%
69	12.928	1798	1811	1819	rVV4	17743	45007	1.54%	0.202%
70	13.001	1822	1823	1825	rVV2	2325	2330	0.08%	0.010%
71	13.044	1827	1830	1834	rVV5	5186	8629	0.29%	0.039%
72	13.093	1834	1838	1844	rVV2	15309	29814	1.02%	0.134%
73	13.147	1844	1847	1853	rVV5	5465	10993	0.38%	0.049%
74	13.202	1853	1856	1857	rVV2	1208	1577	0.05%	0.007%
75	13.275	1859	1868	1875	rVB6	6586	19807	0.68%	0.089%
76	13.391	1880	1887	1896	rBV	55567	95436	3.26%	0.428%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
A44S7RE

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_W\Method\SFAMWLM011025SMA.M
Title : SFAM01.0

77	13.464	1896	1899	1901	rBV4	1847	2533	0.09%	0.011%
78	13.550	1906	1913	1923	rBV	400503	653961	22.35%	2.933%
79	13.641	1924	1928	1935	rVB3	8202	13341	0.46%	0.060%
80	13.757	1942	1947	1948	rBV5	1095	1538	0.05%	0.007%
81	13.848	1954	1962	1971	rBV	294968	506432	17.31%	2.271%
82	14.013	1986	1989	1991	rVV4	2667	3471	0.12%	0.016%
83	14.062	1991	1997	2010	rVB3	34806	72217	2.47%	0.324%
84	14.318	2030	2039	2047	rBV2	30260	56422	1.93%	0.253%
85	14.513	2060	2071	2077	rBV5	7714	16747	0.57%	0.075%
86	14.617	2083	2088	2096	rBV6	5147	9776	0.33%	0.044%
87	14.867	2127	2129	2136	rVB6	1879	3045	0.10%	0.014%
88	14.946	2136	2142	2150	rBV6	7435	15785	0.54%	0.071%
89	15.135	2170	2173	2175	rBV4	1088	1513	0.05%	0.007%
90	15.171	2175	2179	2188	rVV10	4064	9925	0.34%	0.045%
91	15.245	2188	2191	2198	rVB7	2079	3365	0.11%	0.015%
92	15.360	2205	2210	2211	rBV4	2698	3806	0.13%	0.017%
93	15.385	2212	2214	2224	rVB7	4071	7112	0.24%	0.032%
94	15.476	2224	2229	2234	rBV	11189	19746	0.67%	0.089%
95	15.744	2270	2273	2275	rBV3	1073	1349	0.05%	0.006%
96	15.781	2275	2279	2285	rVV6	4705	8513	0.29%	0.038%
97	15.842	2285	2289	2299	rVB6	2843	8355	0.29%	0.037%
98	15.952	2299	2307	2314	rVB8	4215	10503	0.36%	0.047%
99	16.025	2314	2319	2320	rBV4	1492	2074	0.07%	0.009%
100	16.080	2325	2328	2334	rBV7	1440	2793	0.10%	0.013%

Sum of corrected areas: 22299721

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012825\
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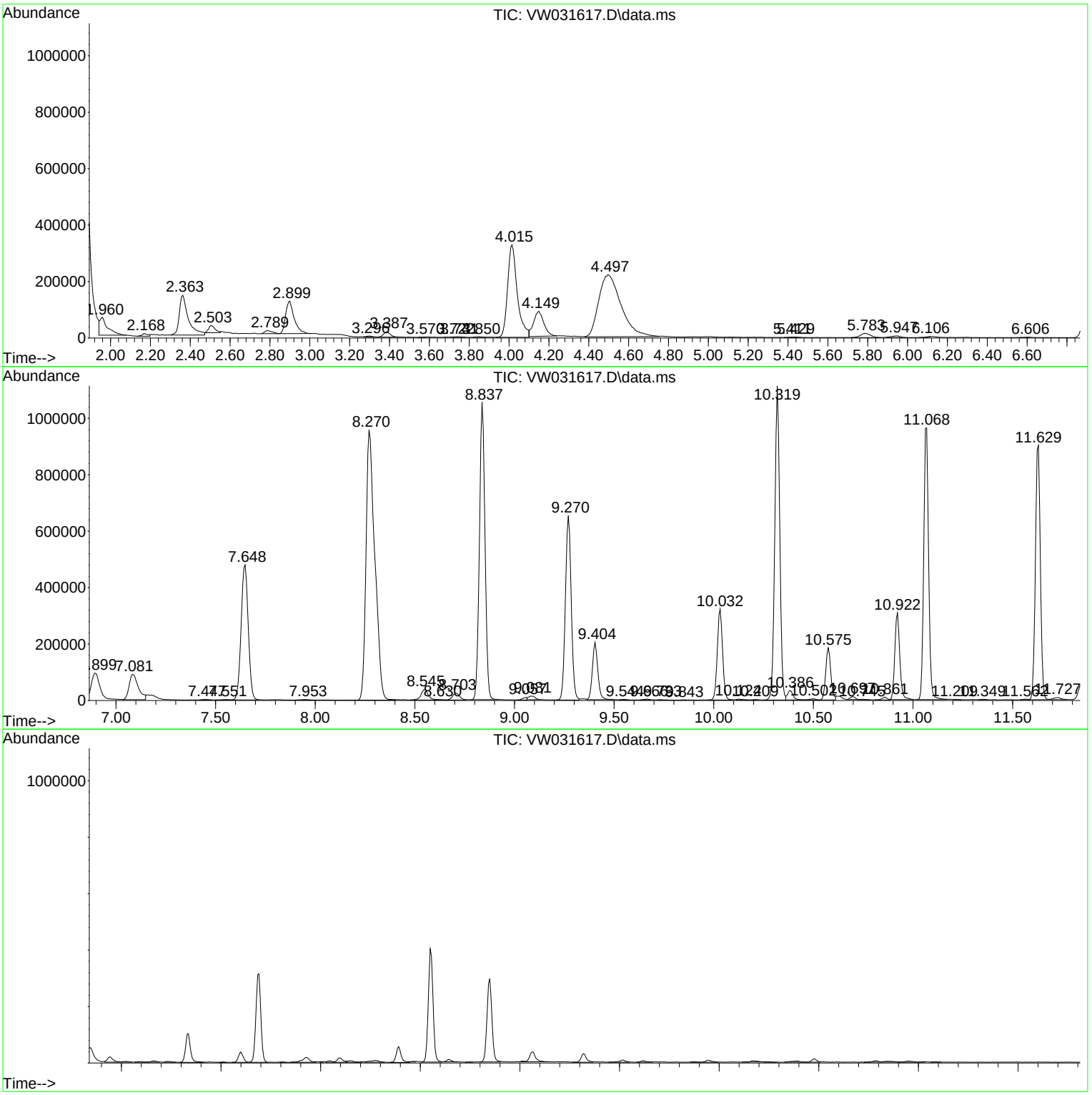
Misc : 4.16g/10mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012825\
Data File : VW031617.D
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

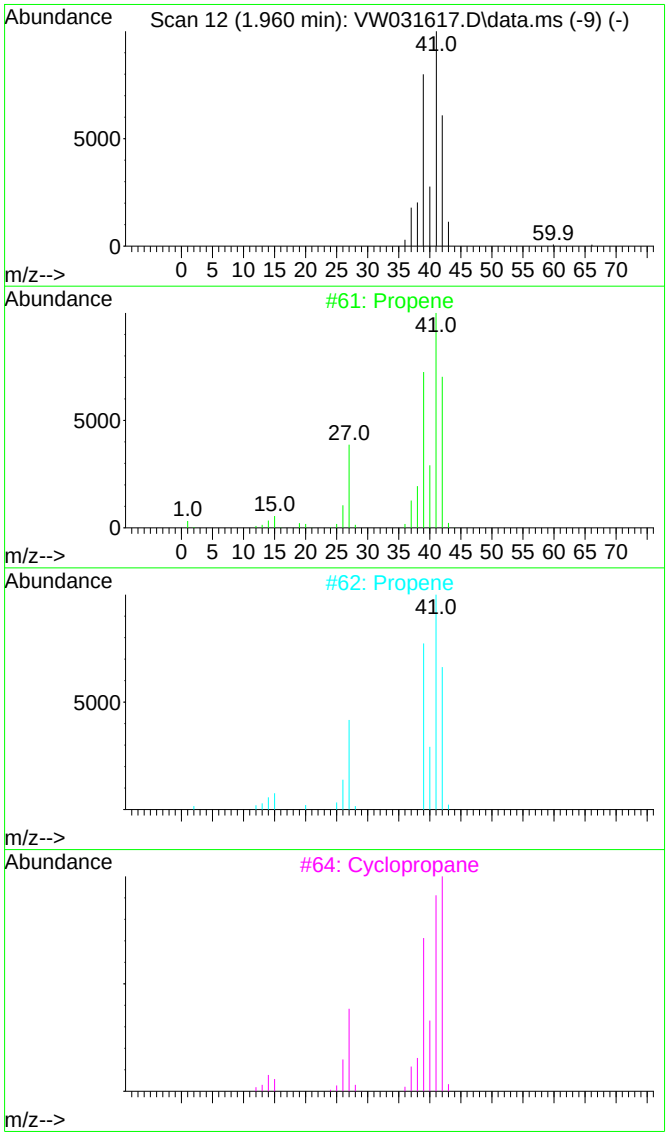
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

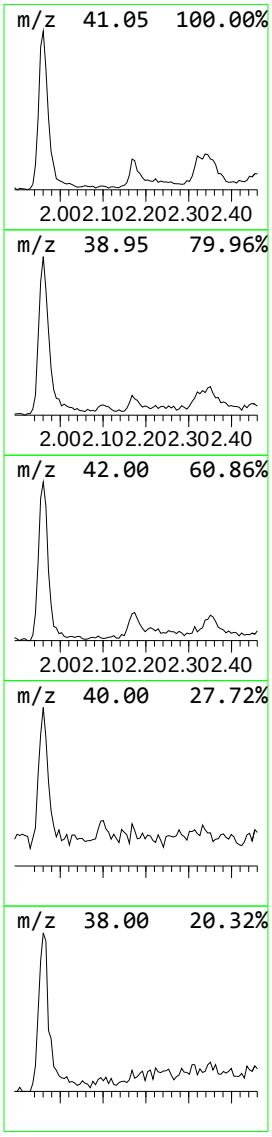
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.960	2.05 ug/L	167850	1,4-Difluorobenzene	8.837

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	45
3	Cyclopropane	42	C3H6	000075-19-4	43
4	Cyclopropene	40	C3H4	002781-85-3	5
5	Cyclopropane	42	C3H6	000075-19-4	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012825\
Data File : VW031617.D
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Misc : 4.16g/10mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

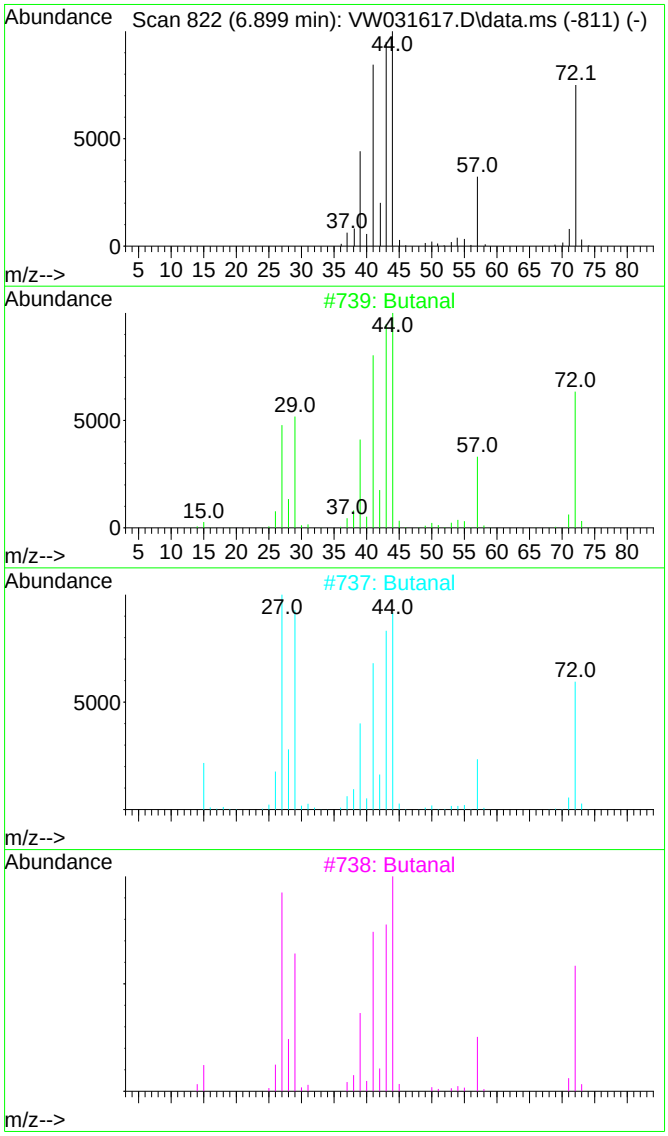
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

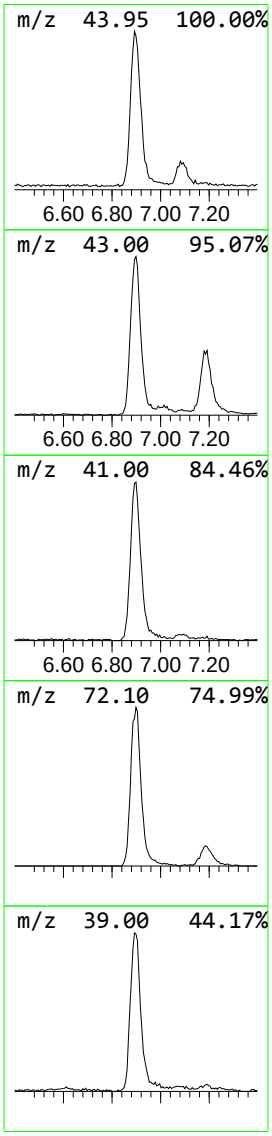
****

Peak Number 3 Butanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.899	3.59 ug/L	294142	1,4-Difluorobenzene	8.837

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	74
4	Butanal	72	C4H8O	000123-72-8	72
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	52





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Data File : VW031617.D
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Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

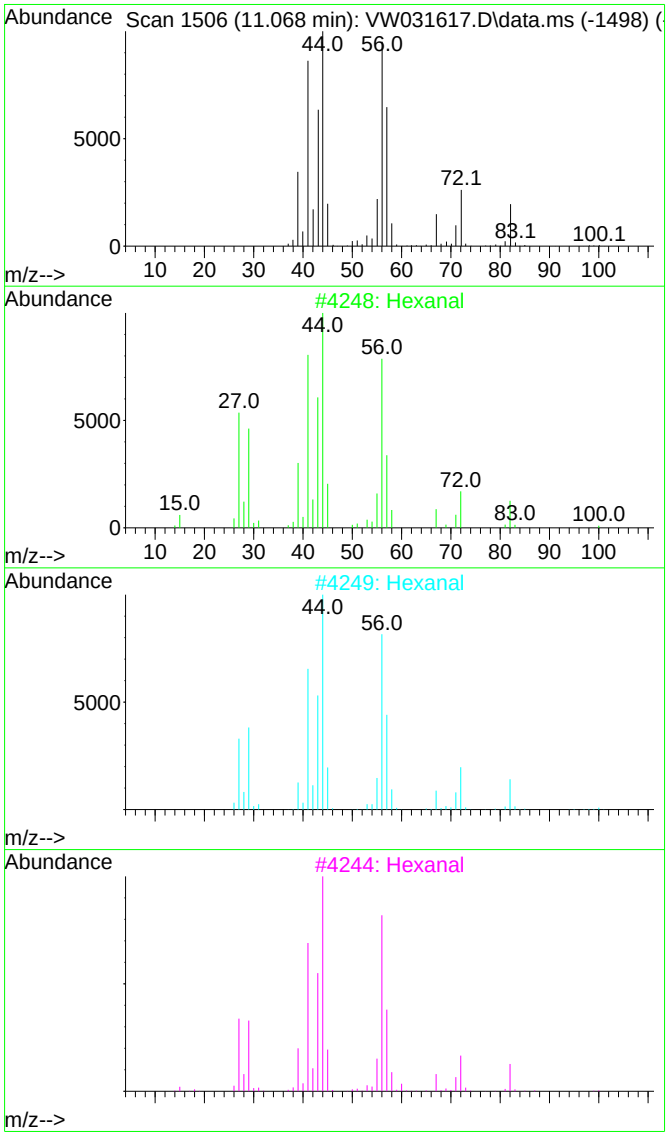
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

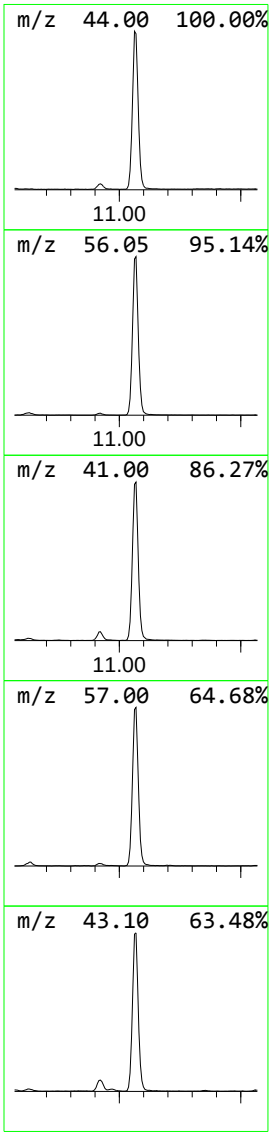
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.069	26.09 ug/L	1620330	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	91
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	86
5	Hexanal	100	C6H12O	000066-25-1	47





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Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

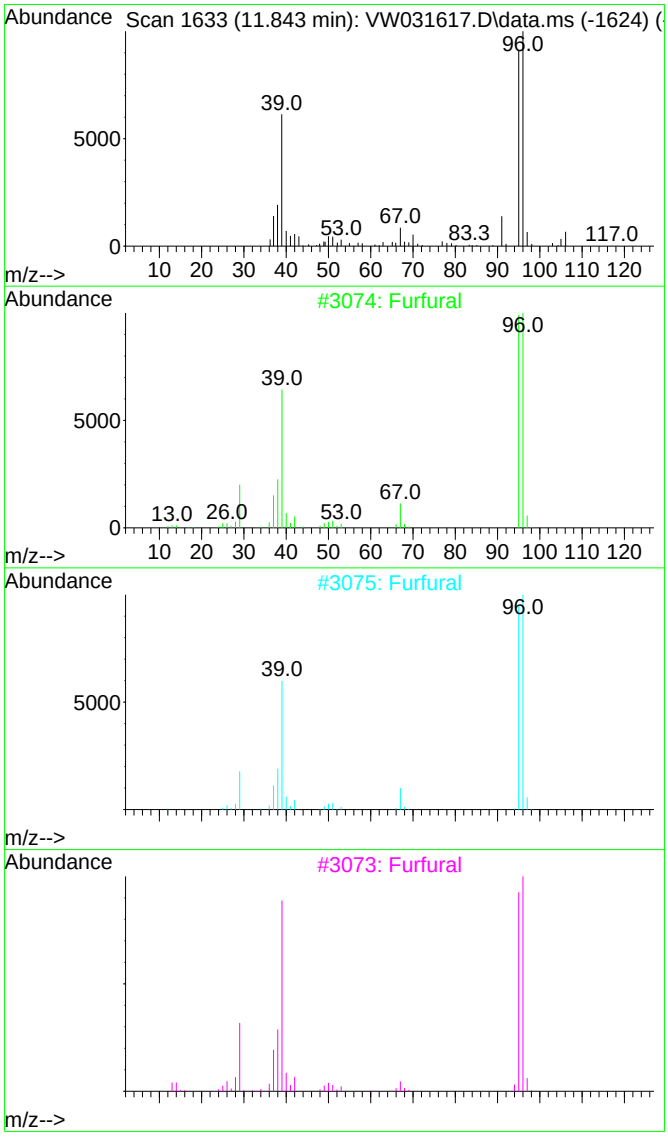
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

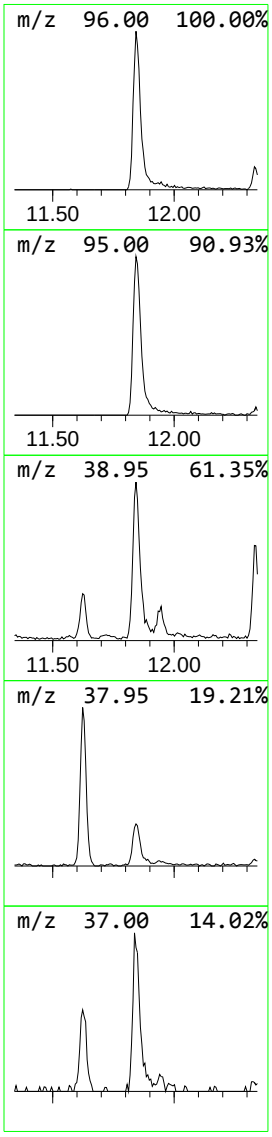
****

Peak Number 7 Furfural Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.843	1.90 ug/L	117951	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	95
2	Furfural	96	C5H4O2	000098-01-1	94
3	Furfural	96	C5H4O2	000098-01-1	94
4	Furfural	96	C5H4O2	000098-01-1	91
5	3-Furaldehyde	96	C5H4O2	000498-60-2	91





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Data File : VW031617.D
Acq On : 28 Jan 2025 14:40
Operator : SY/MD
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Misc : 4.16g/10mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

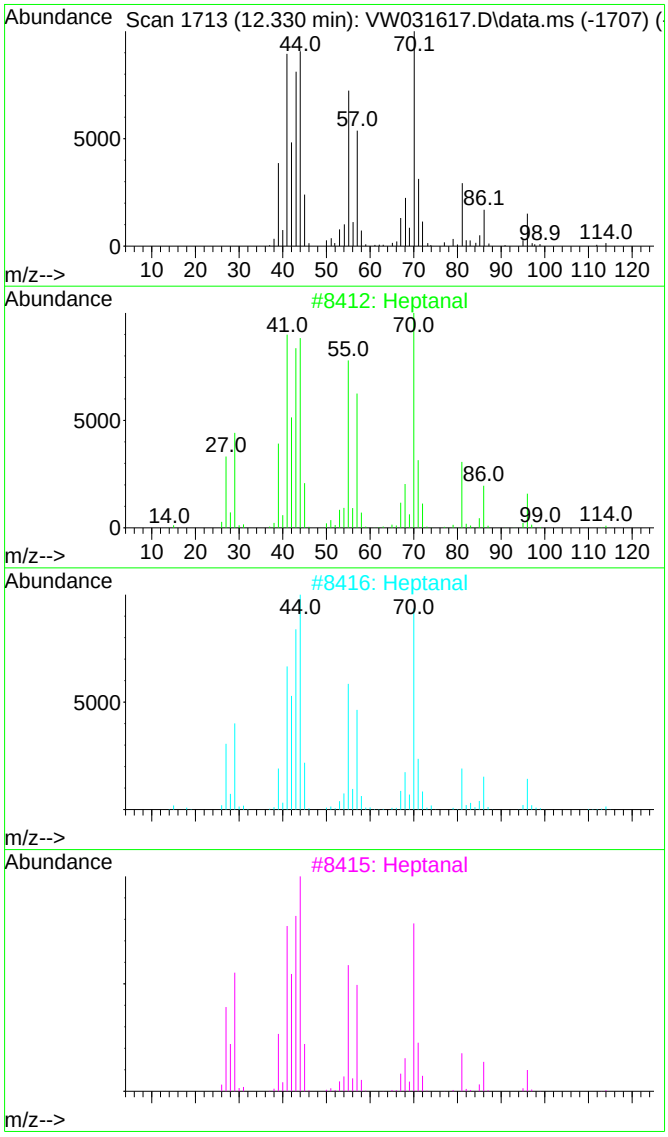
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

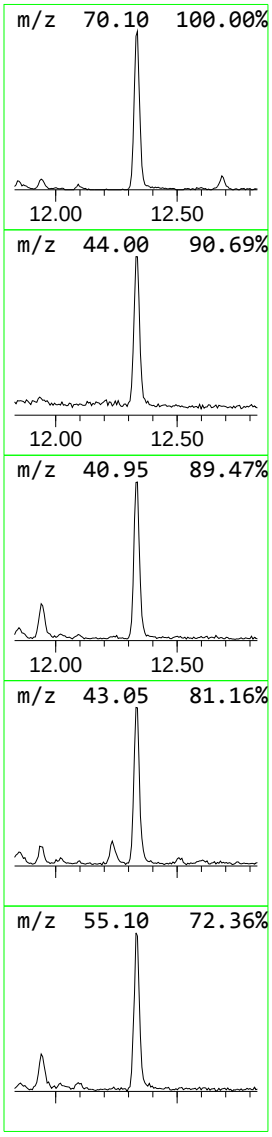
****

Peak Number 8 Heptanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.331	2.77 ug/L	172007	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	98
2	Heptanal	114	C7H14O	000111-71-7	97
3	Heptanal	114	C7H14O	000111-71-7	80
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	45
5	Heptanal	114	C7H14O	000111-71-7	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012825\
Data File : VW031617.D
Acq On : 28 Jan 2025 14:40
Operator : SY/MD
Sample : Q1190-08RE
Misc : 4.16g/10mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

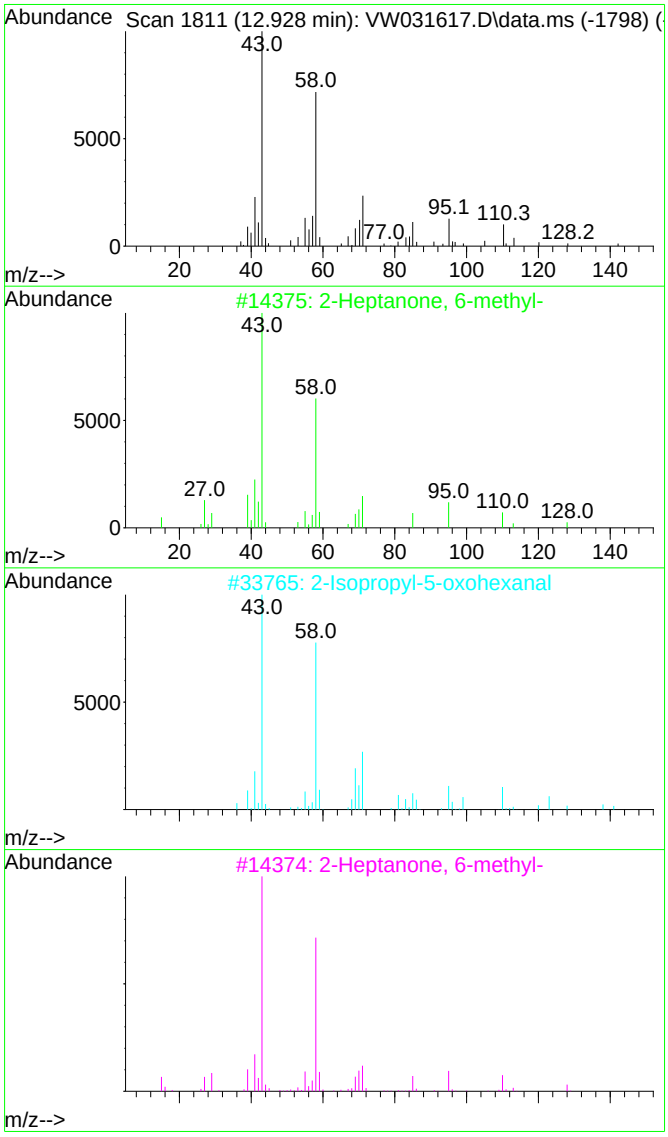
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

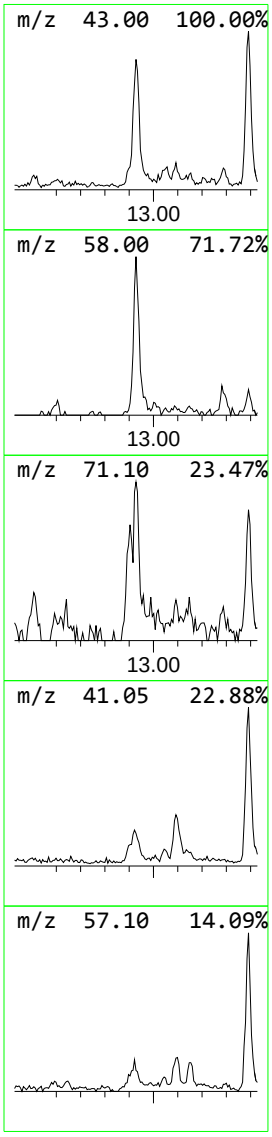
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 2-Heptanone, 6-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.928	1.72 ug/L	45007	1,4-Dichlorobenzene-d4	13.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	87
2	2-Isopropyl-5-oxohexanal	156	C9H16O2	015303-46-5	64
3	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	50
4	Butanimidamide	86	C4H10N2	000107-90-4	47
5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012825\
Data File : VW031617.D
Acq On : 28 Jan 2025 14:40
Operator : SY/MD
Sample : Q1190-08RE
Misc : 4.16g/10mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

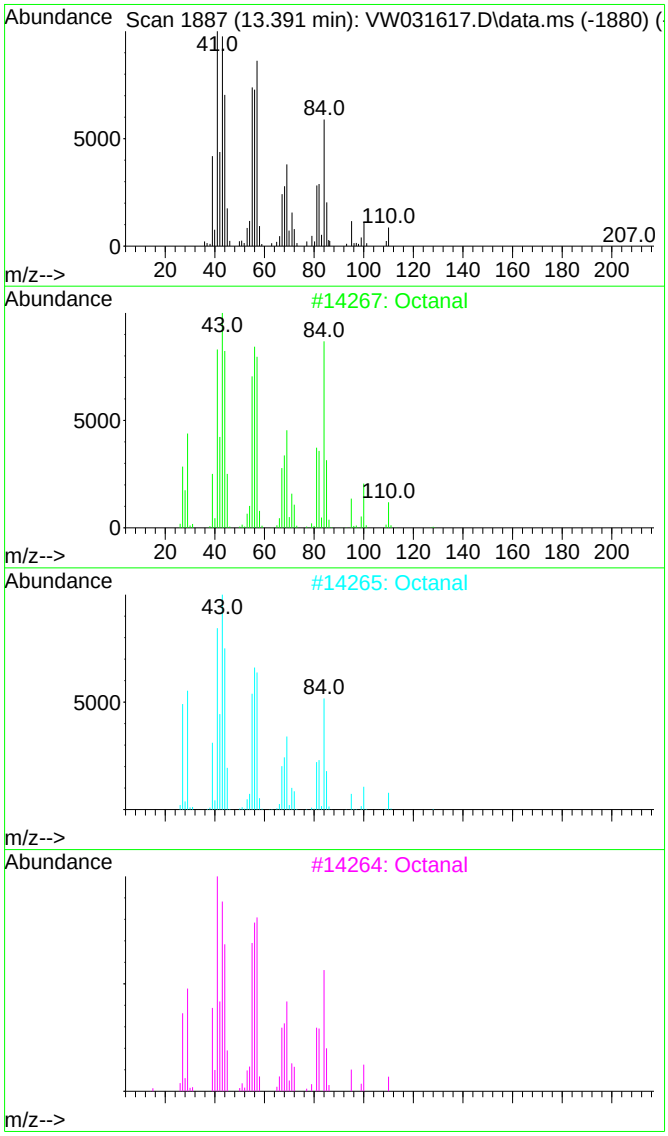
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

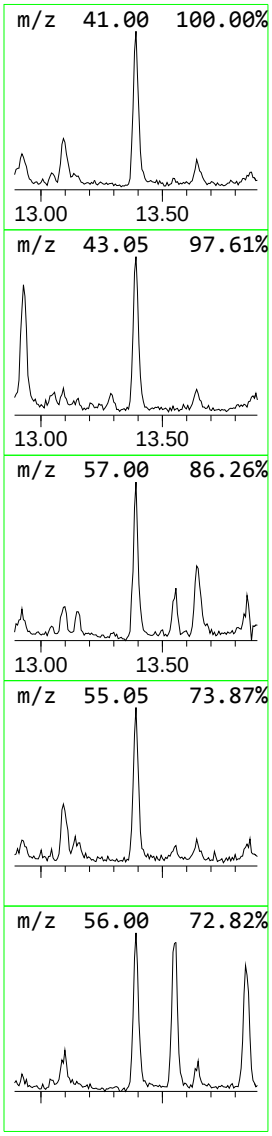
****

Peak Number 11 Octanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.391	3.65 ug/L	95436	1,4-Dichlorobenzene-d4	13.550

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	87
4	Octanal	128	C8H16O	000124-13-0	80
5	Octanal	128	C8H16O	000124-13-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012825\
Data File : VW031617.D
Acq On : 28 Jan 2025 14:40
Operator : SY/MD
Sample : Q1190-08RE
Misc : 4.16g/10mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

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

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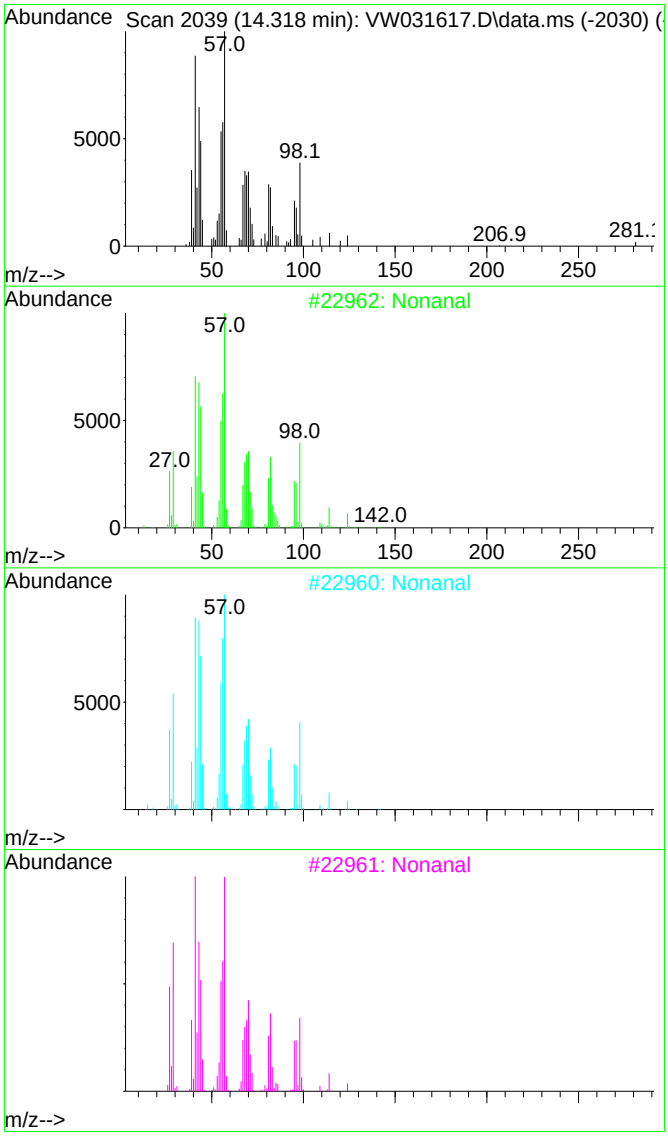
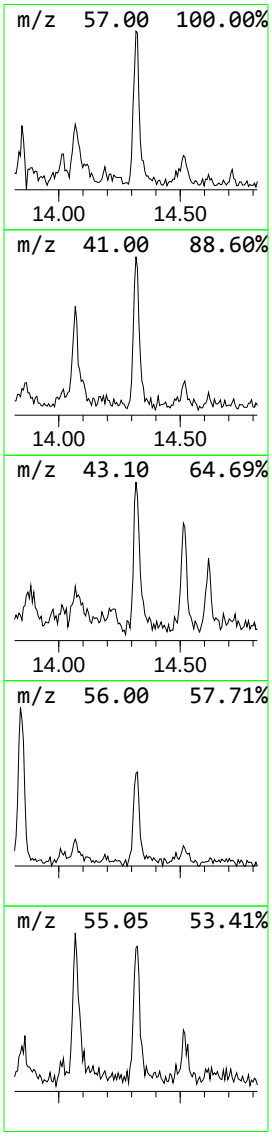
Peak Number 13 Nonanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.318	2.16 ug/L	56422	1,4-Dichlorobenzene-d4	13.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	90
2	Nonanal	142	C9H18O	000124-19-6	90
3	Nonanal	142	C9H18O	000124-19-6	80
4	2-Hexene, 5-methyl-, (E)-	98	C7H14	007385-82-2	35
5	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012825\
Data File : VW031617.D
Acq On : 28 Jan 2025 14:40
Operator : SY/MD
Sample : Q1190-08RE
Misc : 4.16g/10mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A44S7RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.960	2.0	ug/L	167850	1	8.837	2050700	25.0
Butanal	6.899	3.6	ug/L	294142	1	8.837	2050700	25.0
Hexanal	11.069	26.1	ug/L	1620330	2	11.629	1552510	25.0
Furfural	11.843	1.9	ug/L	117951	2	11.629	1552510	25.0
Heptanal	12.331	2.8	ug/L	172007	2	11.629	1552510	25.0
2-Heptanone, 6-...	12.928	1.7	ug/L	45007	3	13.550	653961	25.0
Octanal	13.391	3.6	ug/L	95436	3	13.550	653961	25.0
Nonanal	14.318	2.2	ug/L	56422	3	13.550	653961	25.0