Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : O3458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A46M6RE

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_D\Method\SFAMDLM061523SMA.M
Title : SFAM01.0

Signal : TIC: VD076638.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.734	14	25	38	rBV	552904	1070974	100.00%	16.779%
2	1.823	38	40	43	rBV2	2138	1899	0.18%	0.030%
3	1.893	48	52	64	rVB4	15756	31575	2.95%	0.495%
4	2.099	85	87	92	rVB2	2015	2383	0.22%	0.037%
5	2.270	109	116	121	rVB	72638	117570	10.98%	1.842%
6	2.311	121	123	124	rVB	2493	1504	0.14%	0.024%
7	2.328	124	126	128	rBV3	2166	2402	0.22%	0.038%
8	2.417	137	141	147	rVB4	5833	11087	1.04%	0.174%
9	2.481	150	152	153	rBV2	1893	1603	0.15%	0.025%
10	2.570	162	167	171	rBV4	3857	8039	0.75%	0.126%
11	2.634	177	178	181	rBV2	2587	1619	0.15%	0.025%
12	2.728	190	194	195	rBV2	4078	4164	0.39%	0.065%
13	2.793	198	205	214	rBV	64676	122811	11.47%	1.924%
14	2.887	220	221	224	rVB2	2759	1951	0.18%	0.031%
15	2.928	226	228	229	rBV2	2966	2063	0.19%	0.032%
16	3.193	270	273	276	rVB3	1853	2800	0.26%	0.044%
17	3.217	276	277	280	rBV2	1968	1309	0.12%	0.021%
18	3.281	280	288	289	rBV3	1399	3060	0.29%	0.048%
19	3.446	311	316	318	rBV3	2056	2428	0.23%	0.038%
20	3.622	343	346	348	rBV3	1067	1271	0.12%	0.020%
21	3.905	384	394	403	rBV3	54640	144313	13.47%	2.261%
22	4.017	406	413	426	rBV2	25503	71977	6.72%	1.128%
23	4.205	443	445	447	rBV	1343	1290	0.12%	0.020%
24	4.269	447	456	459	rBV3	5294	14511	1.35%	0.227%
25	4.346	464	469	472	rVB2	1366	1999	0.19%	0.031%
26	4.728	531	534	536	rBV	1302	1279	0.12%	0.020%
27	4.793	536	545	555	rVV4	11797	38494	3.59%	0.603%
28	4.864	555	557	560	rVB2	1400	1363	0.13%	0.021%
29	4.899	560	563	565	rBV2	1703	1776	0.17%	0.028%
30	5.099	596	597	602	rVV2	919	1175	0.11%	0.018%
31	5.411	646	650	652	rBV3	1465	1272	0.12%	0.020%
32	5.487	660	663	667	rVB2	995	1722	0.16%	0.027%
33	5.534	667	671	674	rBV2	1268	1922	0.18%	0.030%
34	5.605	678	683	687	rBV2	740	1147	0.11%	0.018%
35	5.687	694	697	698	rVB3	1855	1559	0.15%	0.024%
36	5.993	744	749	751	rBV3	1532	2159	0.20%	0.034%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

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_D\Method\SFAMDLM061523SMA.M
Title : SFAM01.0

37	6.728	872	874	878	rVV2	1061	1286	0.12%	0.020%
38	6.811	884	888	891	rVB2	1763	2518	0.24%	0.039%
39	6.905	900	904	905	rVV	1157	1268	0.12%	0.020%
40	6.987	908	918	926	rVV	33458	92775	8.66%	1.454%
41	7.081	929	934	946	rVV	14592	38964	3.64%	0.610%
42	7.187	949	952	956	rVV2	1183	1606	0.15%	0.025%
43	7.434	991	994	996	rBV2	1596	1178	0.11%	0.018%
44	7.469	996	1000	1003	rVV3	1245	1779	0.17%	0.028%
45	7.569	1006	1017	1031	rVB	94053	243522	22.74%	3.815%
46	7.658	1031	1032	1037	rVB	1770	1422	0.13%	0.022%
47	7.781	1051	1053	1056	rVB2	1558	1149	0.11%	0.018%
48	7.846	1062	1064	1067	rVB2	1854	1769	0.17%	0.028%
49	8.087	1103	1105	1108	rVV3	1782	1986	0.19%	0.031%
50	8.199	1113	1124	1139	rBV5	152212	516426	48.22%	8.091%
51	8.369	1149	1153	1154	rBV2	1854	1980	0.18%	0.031%
52	8.405	1157	1159	1160	rVV3	2450	2088	0.19%	0.033%
53	8.422	1160	1162	1165	rVV2	2844	3731	0.35%	0.058%
54	8.646	1195	1200	1203	rVB2	2051	3545	0.33%	0.056%
55	8.775	1214	1222	1232	rBV	214820	431579	40.30%	6.762%
56	8.875	1236	1239	1242	rVB4	1378	1587	0.15%	0.025%
57	9.005	1257	1261	1266	rBV4	3380	6282	0.59%	0.098%
58	9.134	1280	1283	1287	rBV2	1302	1905	0.18%	0.030%
59	9.210	1287	1296	1304	rBV2	124552	264690	24.71%	4.147%
60	9.363	1320	1322	1325	rBV2	1906	1736	0.16%	0.027%
61	9.481	1338	1342	1344	rVB4	1501	2021	0.19%	0.032%
62	9.593	1356	1361	1362	rBV2	2398	2818	0.26%	0.044%
63	9.693	1373	1378	1379	rBV3	2990	3994	0.37%	0.063%
64	9.763	1388	1390	1392	rBV	1365	1391	0.13%	0.022%
65	9.846	1395	1404	1408	rVB4	2974	7384	0.69%	0.116%
66	9.975	1419	1426	1434	rBV2	60348	115839	10.82%	1.815%
67	10.116	1449	1450	1454	rBV3	1565	1689	0.16%	0.026%
68	10.199	1461	1464	1465	rBV2	3570	3179	0.30%	0.050%
69	10.269	1469	1476	1483	rBV	145214	259320	24.21%	4.063%
70	10.522	1513	1519	1529	rBV2	39403	74212	6.93%	1.163%
71	10.610	1531	1534	1537	rVB5	2738	3297	0.31%	0.052%
72	10.663	1537	1543	1547	rBV8	4706	9237	0.86%	0.145%
73	10.728	1550	1554	1559	rBV7	3501	4551	0.42%	0.071%
74	10.769	1559	1561	1565	rBV4	2700	4039	0.38%	0.063%
75	10.875	1572	1579	1588	rBV	111992	195943	18.30%	3.070%
76	10.987	1594	1598	1603	rBV6	3466	8278	0.77%	0.130%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

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_D\Method\SFAMDLM061523SMA.M
Title : SFAM01.0

77	11.057	1608	1610	1614	rVB3	2172	2686	0.25%	0.042%
78	11.175	1627	1630	1635	rBV6	7707	14598	1.36%	0.229%
79	11.499	1684	1685	1687	rBV2	3020	1703	0.16%	0.027%
80	11.534	1689	1691	1692	rBV2	2642	1535	0.14%	0.024%
81	11.581	1692	1699	1707	rBV	179304	309590	28.91%	4.850%
82	11.710	1720	1721	1722	rBV	3108	1760	0.16%	0.028%
83	11.769	1727	1731	1733	rBV4	6986	10278	0.96%	0.161%
84	11.828	1738	1741	1747	rVV7	9737	16781	1.57%	0.263%
85	11.928	1754	1758	1761	rBV5	6708	10745	1.00%	0.168%
86	12.022	1771	1774	1778	rBV6	7933	11851	1.11%	0.186%
87	12.093	1779	1786	1792	rBV5	25748	60985	5.69%	0.955%
88	12.216	1802	1807	1811	rVB2	47042	73089	6.82%	1.145%
89	12.298	1814	1821	1822	rBV5	33150	59150	5.52%	0.927%
90	12.551	1861	1864	1866	rBV3	18606	24154	2.26%	0.378%
91	12.651	1874	1881	1887	rBV2	105181	228985	21.38%	3.588%
92	12.822	1903	1910	1915	rBV7	34250	96774	9.04%	1.516%
93	12.904	1917	1924	1927	rBV5	44670	112849	10.54%	1.768%
94	13.257	1980	1984	1989	rBV2	76645	123191	11.50%	1.930%
95	13.310	1990	1993	1997	rVV3	30883	40460	3.78%	0.634%
96	13.381	2001	2005	2007	rBV4	54826	83289	7.78%	1.305%
97	13.840	2076	2083	2088	rBV6	144356	316158	29.52%	4.953%
98	14.163	2134	2138	2142	rBV5	65096	98390	9.19%	1.542%
99	14.351	2164	2170	2178	rBV4	196427	436665	40.77%	6.841%
100	14.769	2238	2241	2245	rBV3	137866	242562	22.65%	3.800%

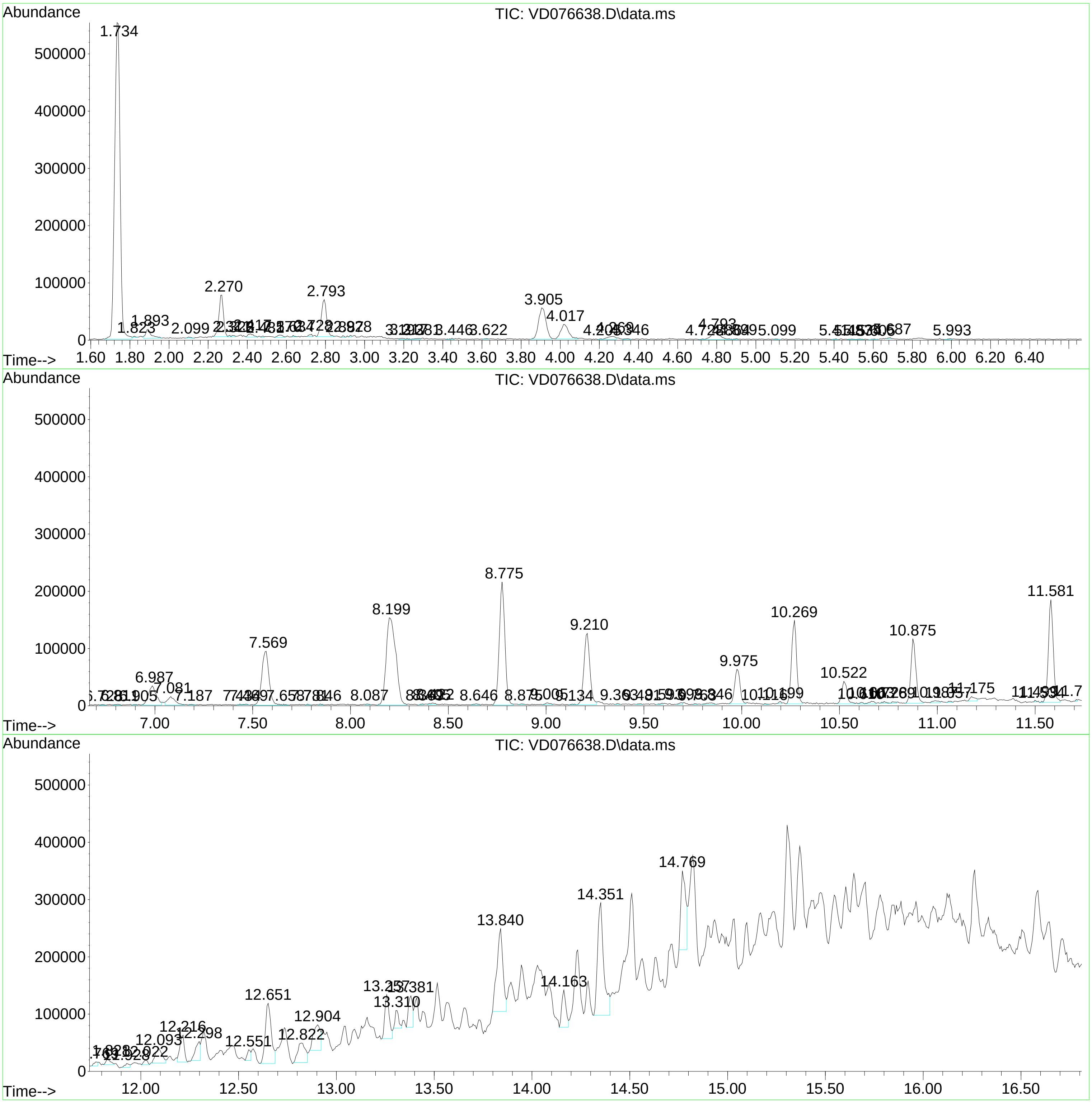
Sum of corrected areas: 6382661

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

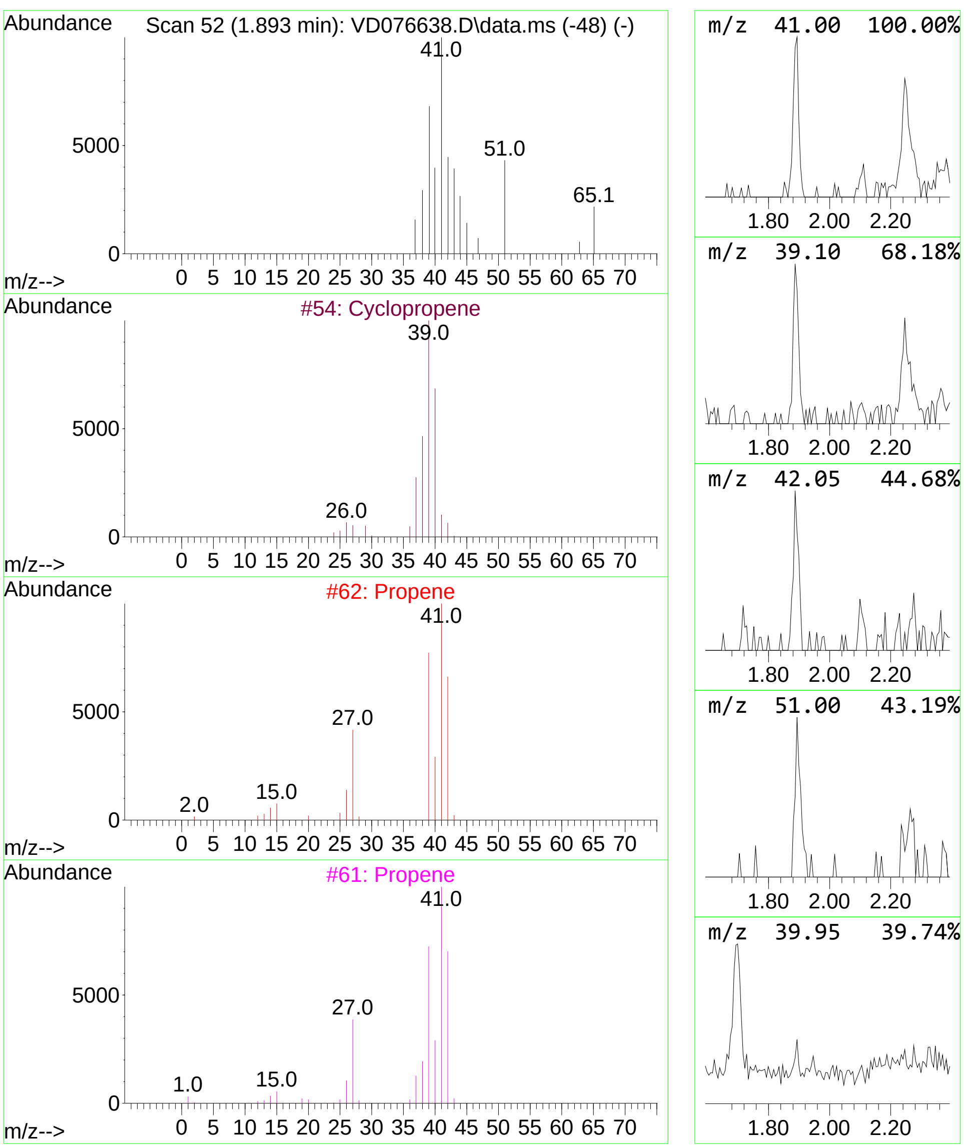
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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

****
Peak Number 2 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.893	1.83 ug/L	31575	1,4-Difluorobenzene	8.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropene	40	C3H4	002781-85-3	43
2	Propene	42	C3H6	000115-07-1	9
3	Propene	42	C3H6	000115-07-1	9
4	Chloro(prop-2-yn-1-yloxy)methanone	118	C4H3ClO2	035718-08-2	4
5	Propane	44	C3H8	000074-98-6	2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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

****
Peak Number 4 (DEL) Alkane: Cyclic11.828 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	1.36 ug/L	16781	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	47
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	43

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A46M6RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

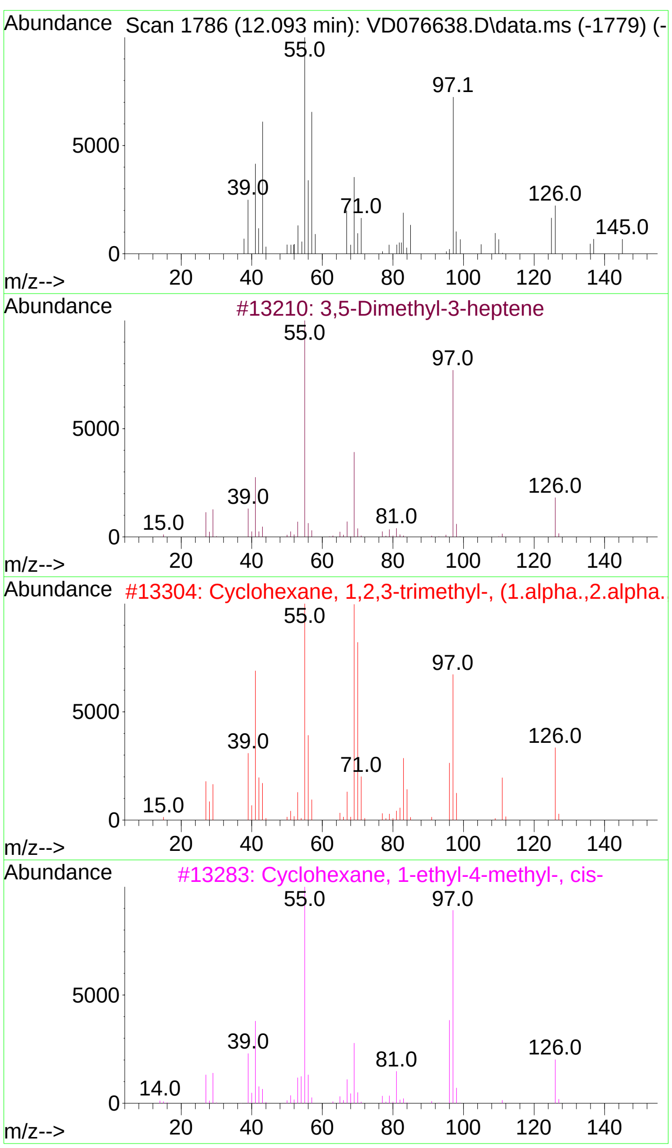
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

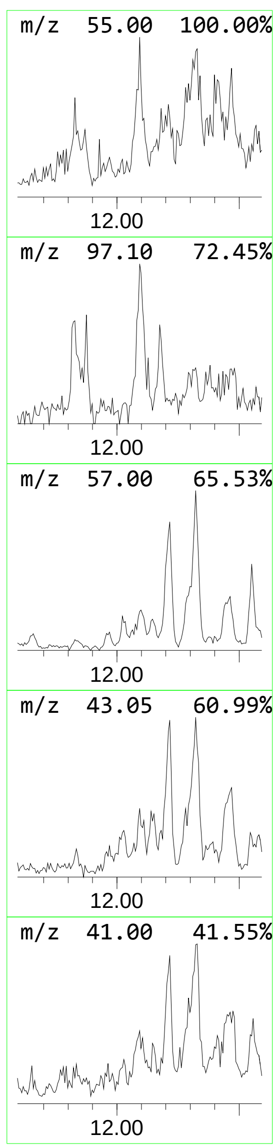
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.093	4.92 ug/L	60985	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	49
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	47
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	47
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	47
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

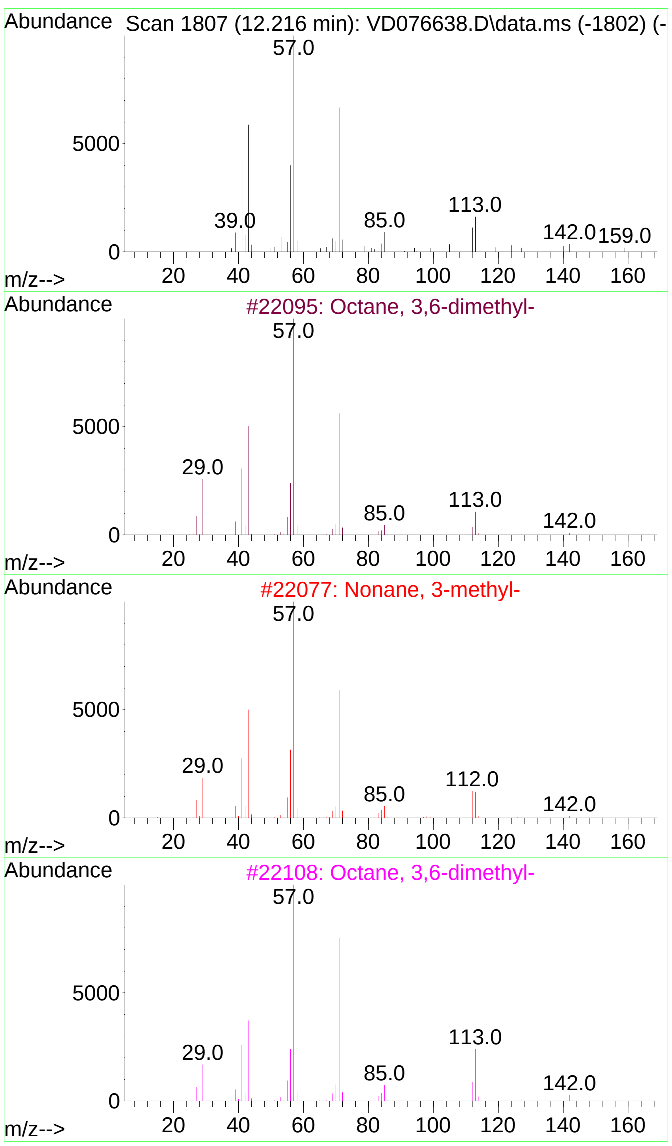
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

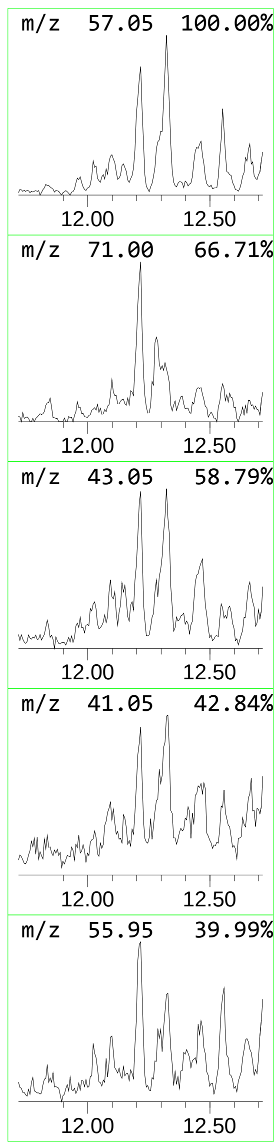
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	5.90 ug/L	73089	Chlorobenzene-d5	11.581

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	80
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53





Library Search Compound Report

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On    : 29 Jun 2023  14:57
Operator  : KP/SY
Sample    : 03458-13RE
Misc      : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title  : SFAM01.0

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

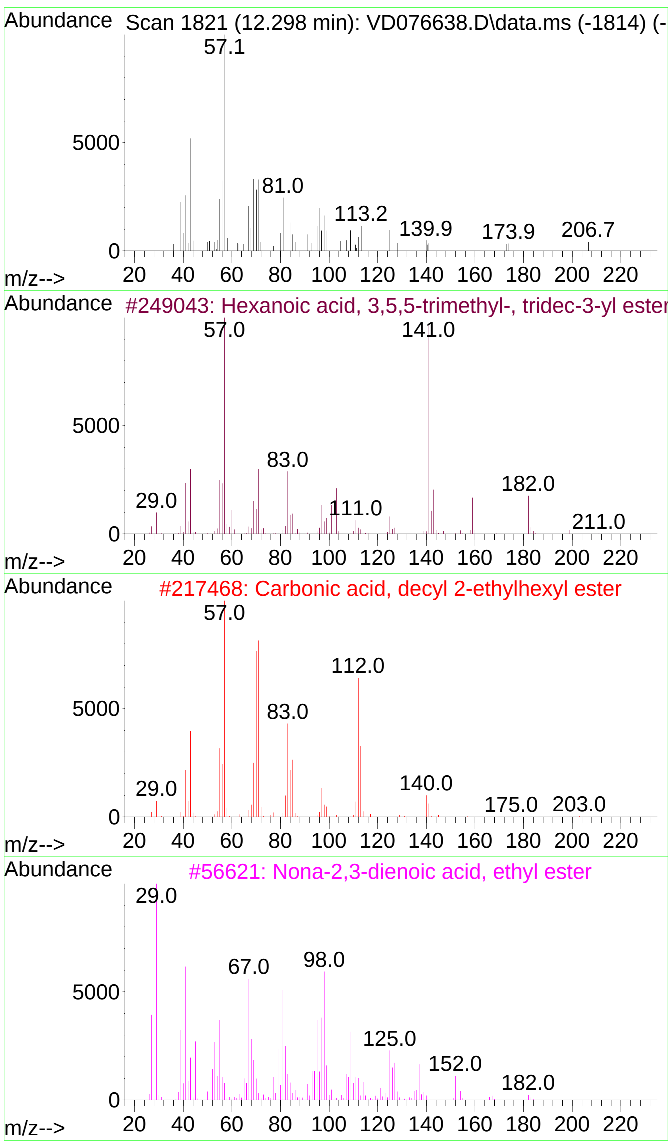
Instrument : MSVOA_D
ClientSampleId : A46M6RE

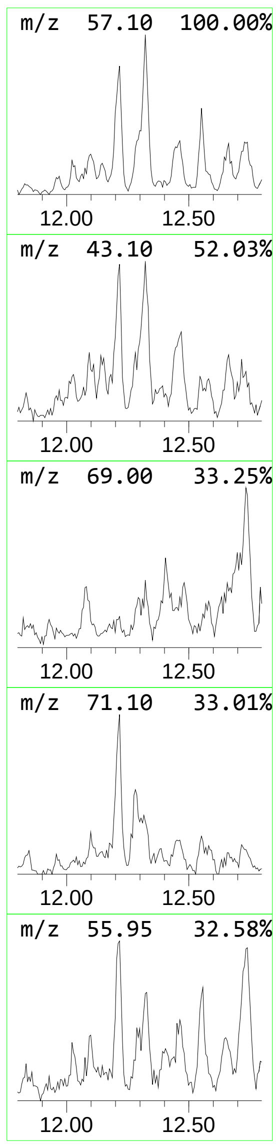
```
**********************************************************************
Peak Number  7  unknown-02                      Concentration Rank 14
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.299	4.78 ug/L	59150	Chlorobenzene-d5	11.581

Hit# of 5

Hit#	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 3,5,5-trimethyl-,...	340	C22H44O2	1000406-26-2	43
2	Carbonic acid, decyl 2-ethylhexy...	314	C19H38O3	1000383-13-7	27
3	Nona-2,3-dienoic acid, ethyl ester	182	C11H18O2	1000187-19-2	27
4	2-Ethoxy-2-cyclohexen-1-one	140	C8H12O2	029941-82-0	27
5	Dodecyl octyl ether	298	C20H42O	1000406-38-4	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

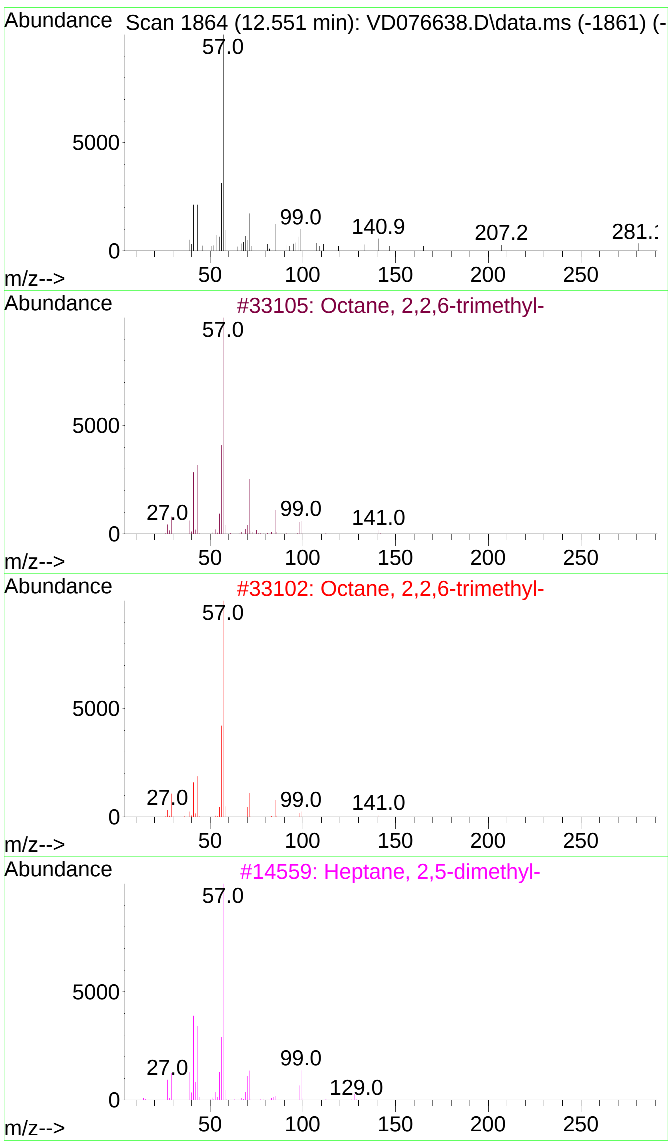
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

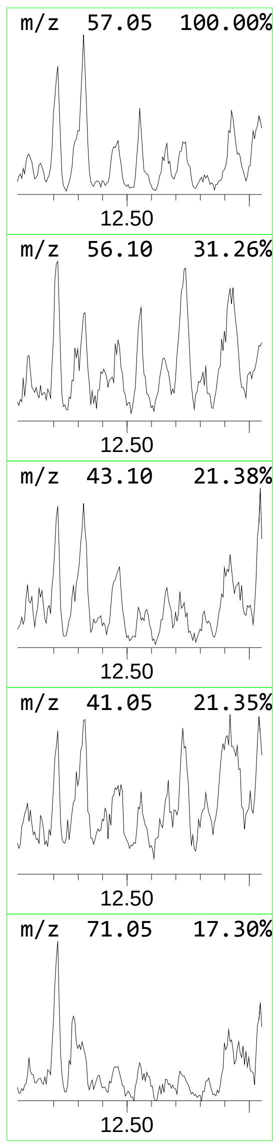
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.551	7.25 ug/L	24154	1,4-Dichlorobenzene-d4	13.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	59
2	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	56
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53
4	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	45
5	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	43





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On    : 29 Jun 2023  14:57
Operator  : KP/SY
Sample    : 03458-13RE
Misc      : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title  : SFAM01.0

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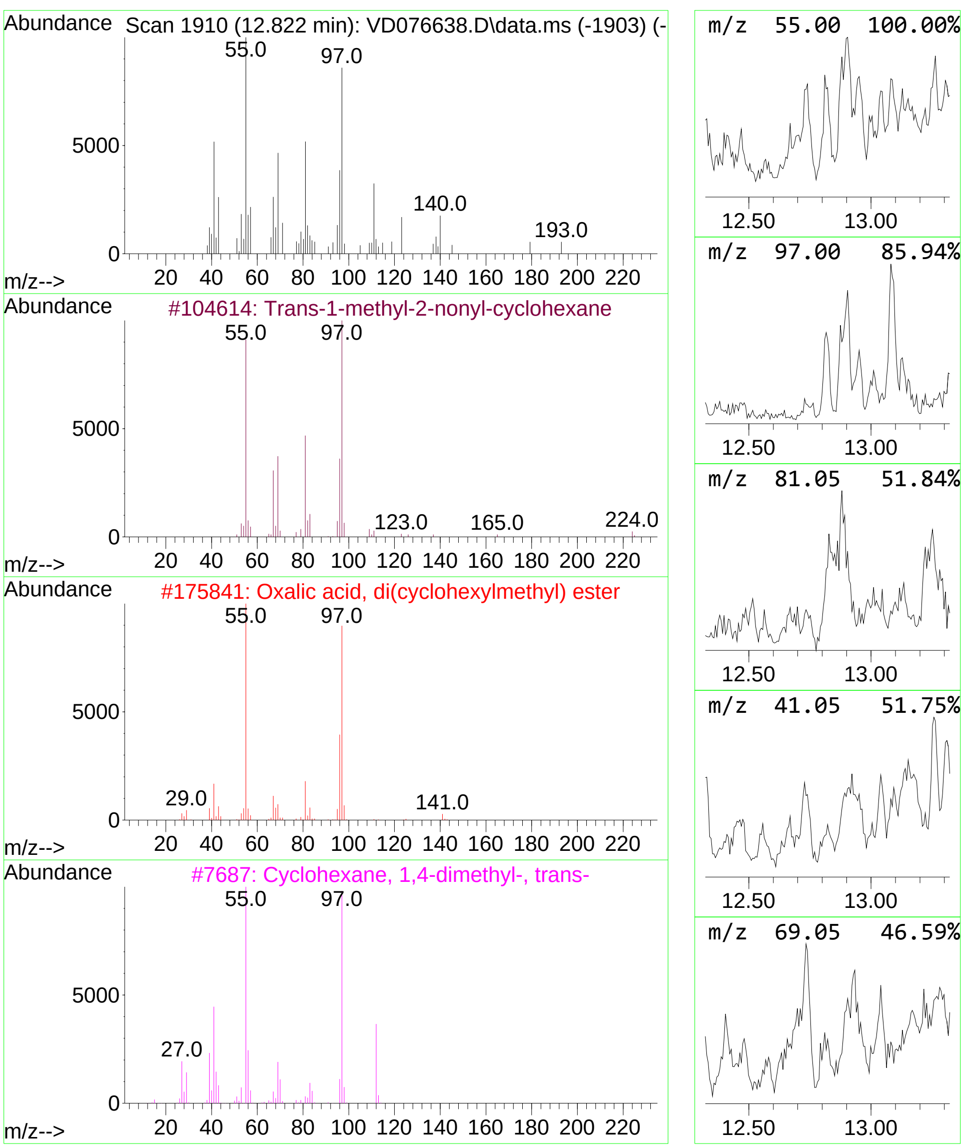

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

```
**********************************************************************
Peak Number  9  (DEL) Alkane: Cyclic12.822      Concentration Rank  7
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.822	29.05 ug/L	96774	1,4-Dichlorobenzene-d4	13.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	59
2	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	53
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	43
4	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	38
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	35



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Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

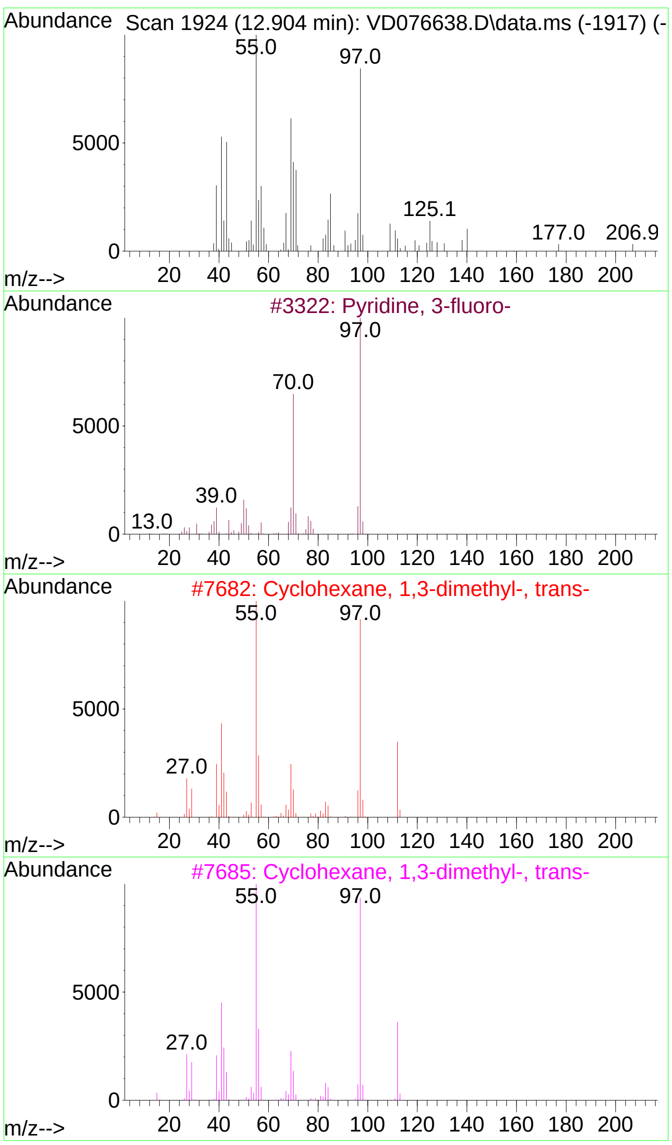
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

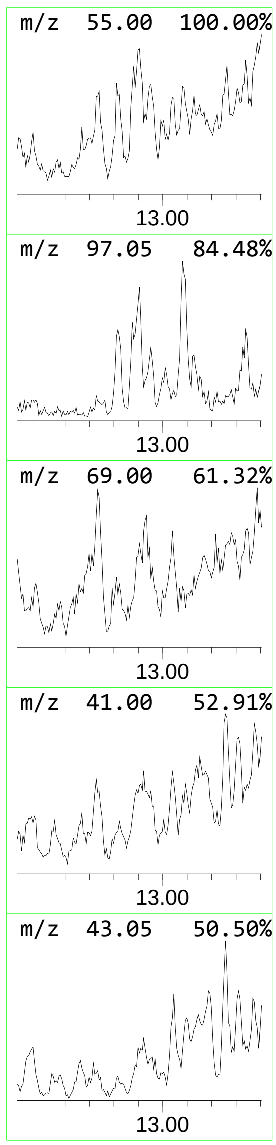
****

Peak Number 10 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.904	33.87 ug/L	112849	1,4-Dichlorobenzene-d4	13.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 3-fluoro-	97	C5H4FN	000372-47-4	49
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	38
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	38
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	38
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	38





Library Search Compound Report

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On    : 29 Jun 2023  14:57
Operator  : KP/SY
Sample    : 03458-13RE
Misc      : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title  : SFAM01.0

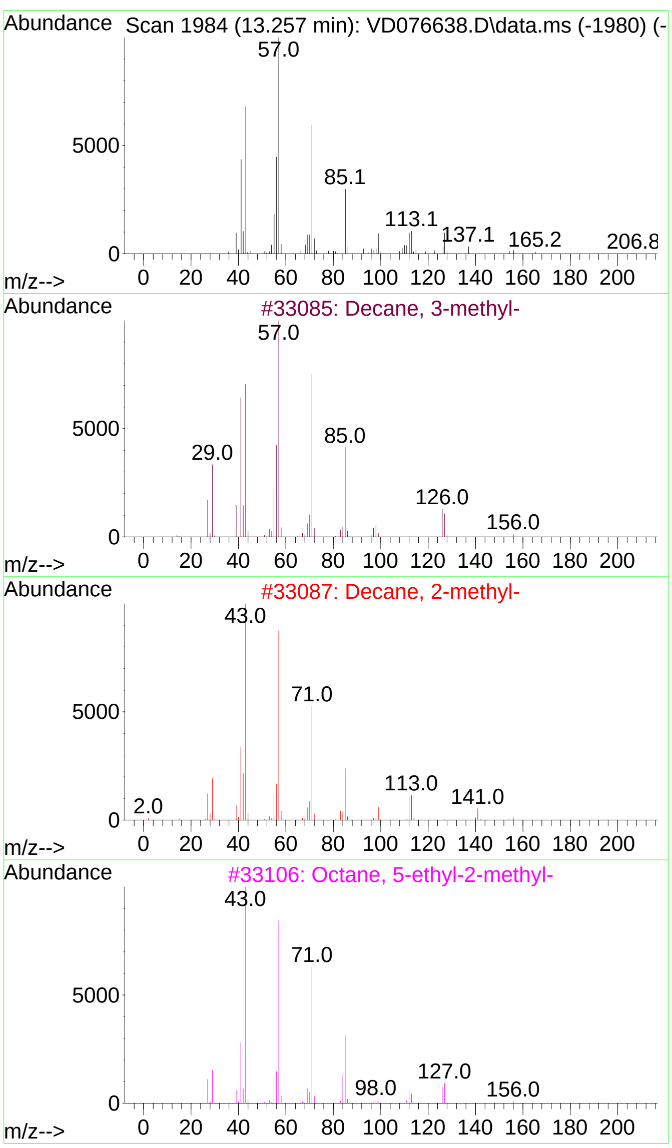
TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

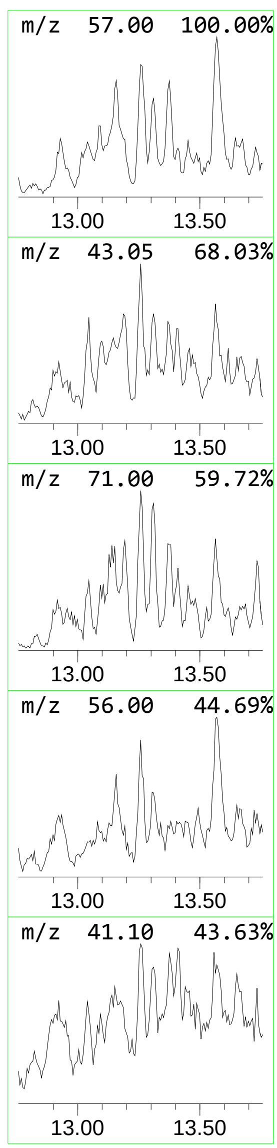
Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

```
**********************************************************************
Peak Number 11  (DEL) Alkane: Straight-Chai...  Concentration Rank  4
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	36.98 ug/L	123191	1,4-Dichlorobenzene-d4	13.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	74
2	Decane, 2-methyl-	156	C11H24	006975-98-0	64
3	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	58
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	50
5	Cyclopentanol, 3-methyl-	100	C6H12O	018729-48-1	49





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

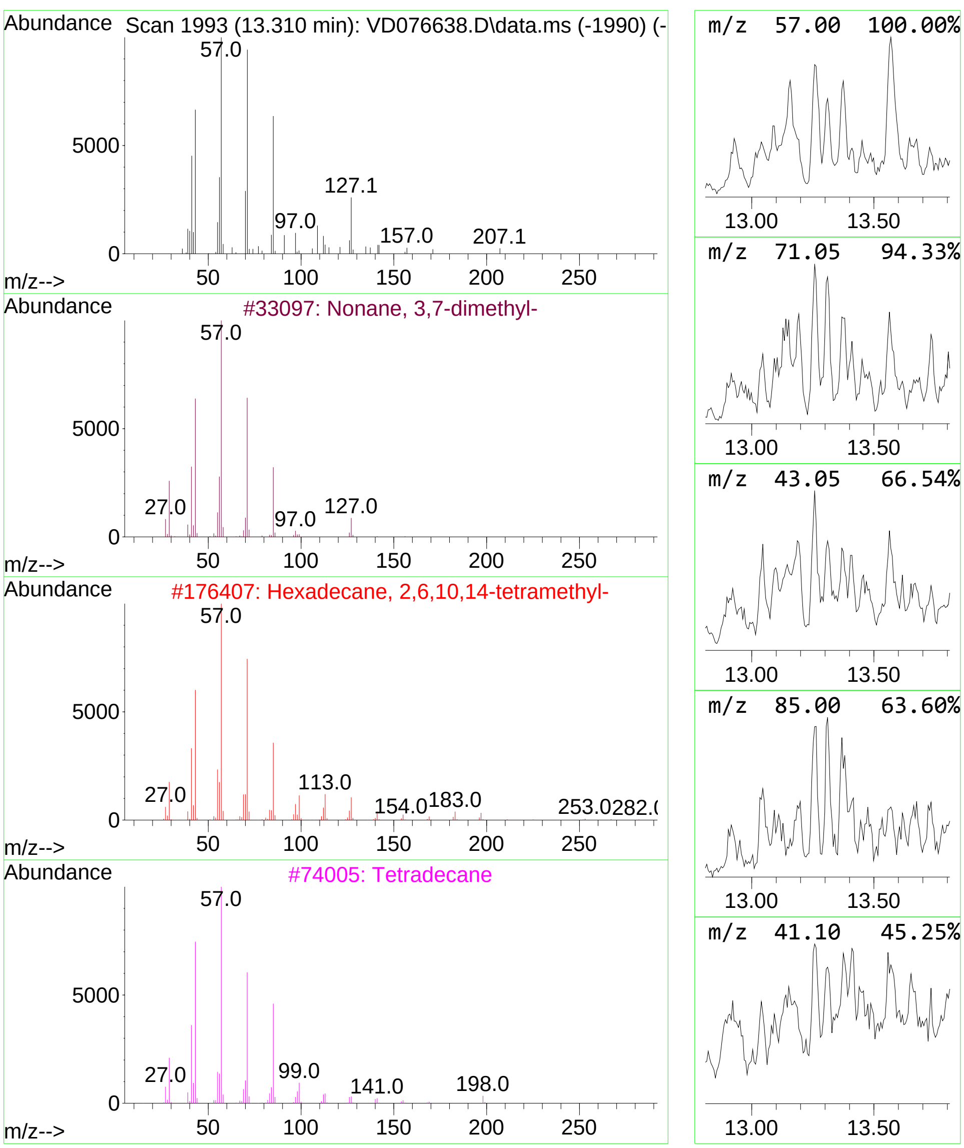
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0

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

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.310	12.14 ug/L	40460	1,4-Dichlorobenzene-d4	13.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
3	Tetradecane	198	C14H30	000629-59-4	53
4	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	50
5	Sulfurous acid, isohexyl 2-penty...	236	C11H24O3S	1000309-15-5	50



Library Search Compound Report

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On    : 29 Jun 2023  14:57
Operator  : KP/SY
Sample    : 03458-13RE
Misc      : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title  : SFAM01.0

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

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

```
*********************************************************************
Peak Number 13  unknown-04                      Concentration Rank  8

  R.T.     EstConc          Area       Relative to ISTD         R.T.
---------------------------------------------------------------------
 13.381   25.00 ug/L        83289   1,4-Dichlorobenzene-d4     13.510

 Hit# of  5     Tentative ID              MW  MolForm       CAS#       Qual
---------------------------------------------------------------------
 1 6-Methylhept-4-en-1-yl isobutyrate   198 C12H22O2      1215128-03-2 30
 2 3-Pyridinol-1-oxide                  111 C5H5NO2       006602-28-4 27
 3 1,3-Dimethyl-1-cyclohexene           110 C8H14         002808-76-6 22
 4 3-Chloropropionic acid, heptadec...  346 C20H39ClO2    1000283-05-1 22
 5 Imidazole, 5-hydrazinocarbonyl-      126 C4H6N4O       018329-78-7 22
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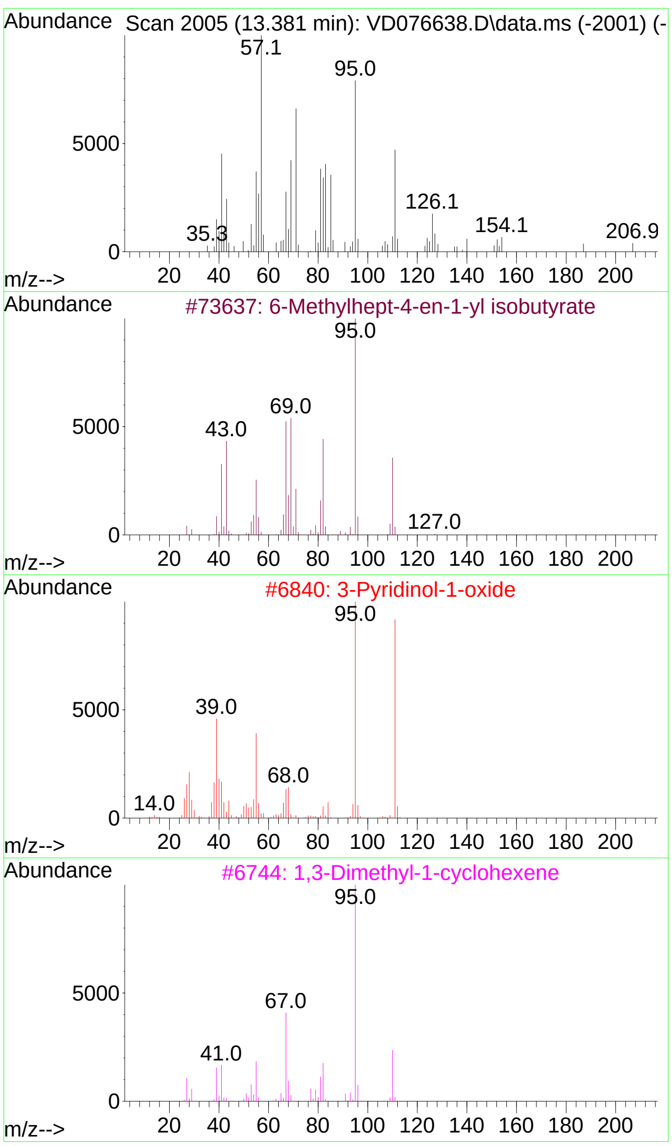

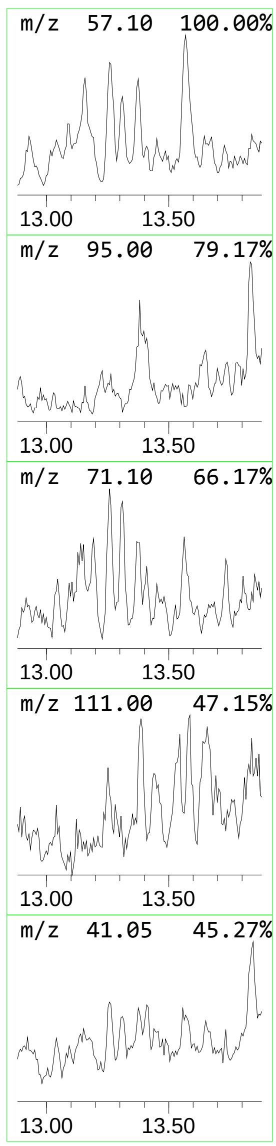

Library Search Compound Report

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On    : 29 Jun 2023  14:57
Operator  : KP/SY
Sample    : 03458-13RE
Misc      : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title  : SFAM01.0

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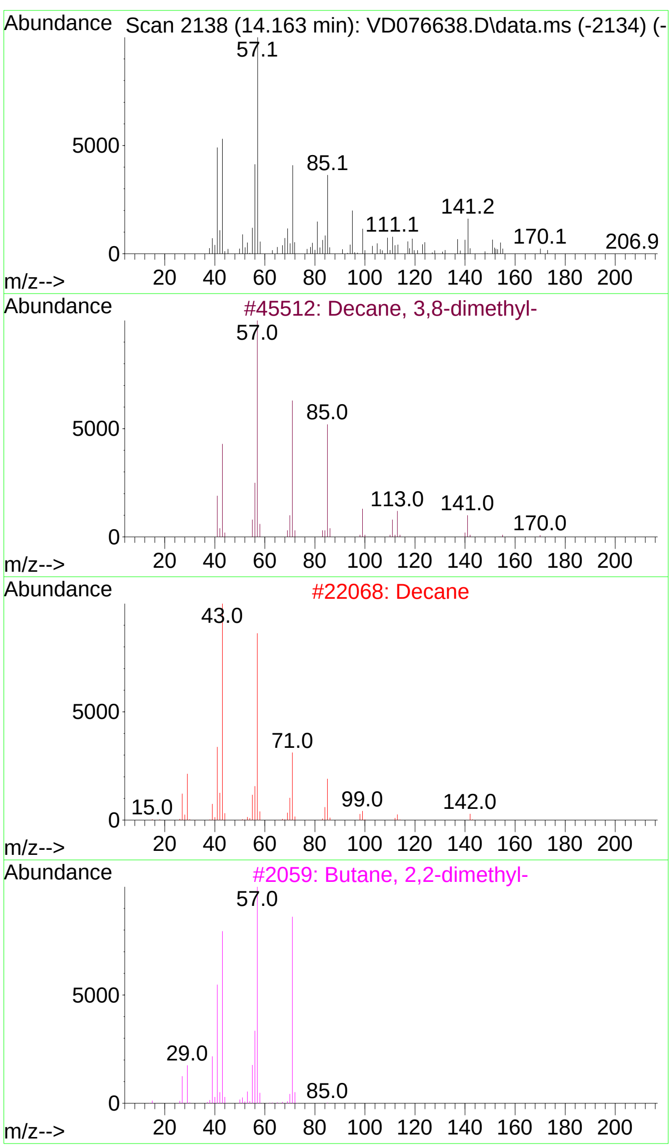
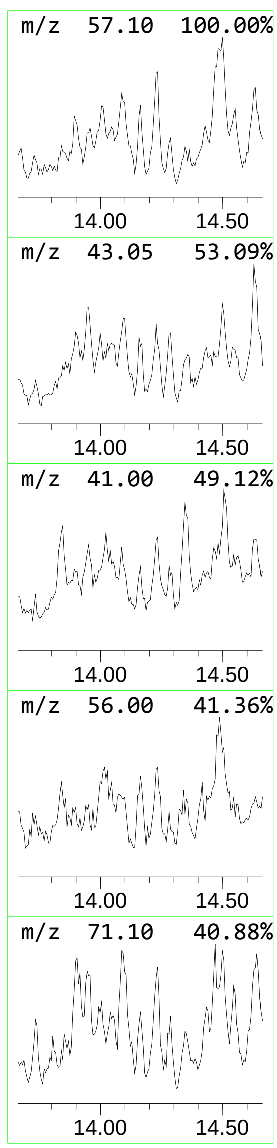

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

```
*********************************************************************
Peak Number 14  (DEL) Alkane: Straight-Chai...  Concentration Rank  6
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.163	29.53 ug/L	98390	1,4-Dichlorobenzene-d4	13.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53
2	Decane	142	C10H22	000124-18-5	46
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	43
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	43





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On    : 29 Jun 2023  14:57
Operator  : KP/SY
Sample    : 03458-13RE
Misc      : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title  : SFAM01.0

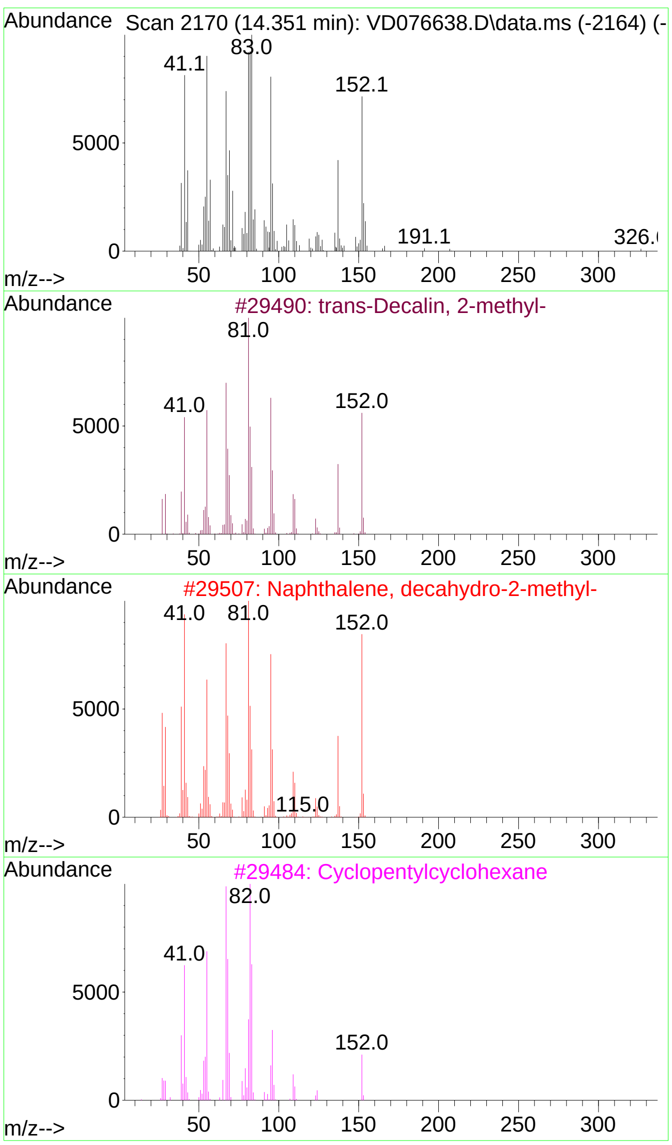
TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

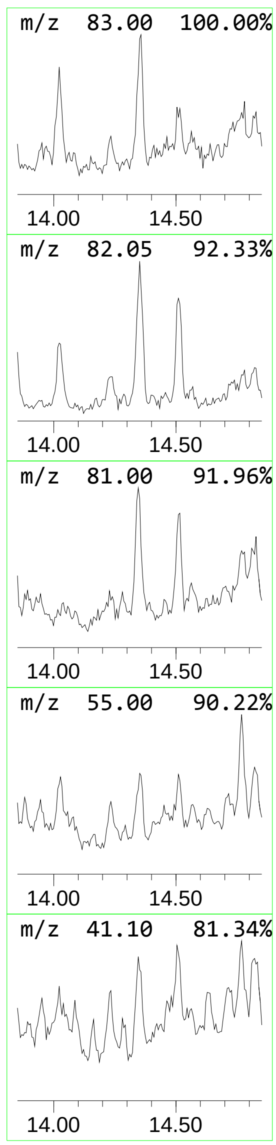
Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

```
*********************************************************************
Peak Number 15  trans-Decalin, 2-methyl-       Concentration Rank  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.351	131.07 ug/L	436665	1,4-Dichlorobenzene-d4	13.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	60
3	Cyclopentylcyclohexane	152	C11H20	001606-08-2	50
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	50
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	49





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On    : 29 Jun 2023  14:57
Operator  : KP/SY
Sample    : 03458-13RE
Misc      : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title  : SFAM01.0

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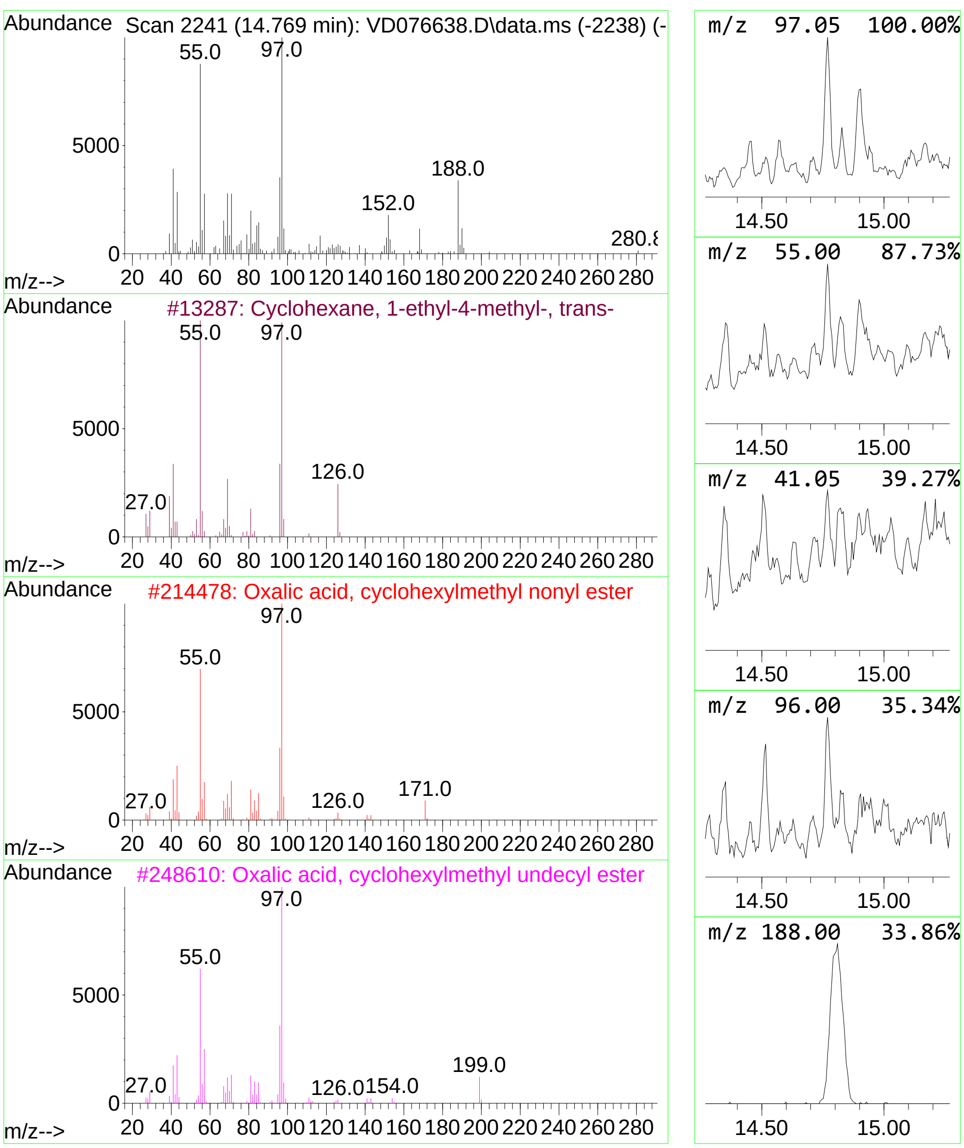

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

```
**********************************************************************
Peak Number 16  (DEL) Alkane: Cyclic14.769      Concentration Rank  2
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.769	72.81 ug/L	242562	1,4-Dichlorobenzene-d4	13.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	55
2	Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	52
3	Oxalic acid, cyclohexylmethyl un...	340	C20H36O4	1000309-68-8	50
4	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	50
5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	49



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076638.D
Acq On : 29 Jun 2023 14:57
Operator : KP/SY
Sample : 03458-13RE
Misc : 5.16G/10.0ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46M6RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.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
unknown-01	1.893	1.8	ug/L	31575	1	8.775	431579	25.0
(DEL) Alkane: C...	11.828	1.4	ug/L	16781	2	11.581	309590	25.0
(DEL) Alkane: S...	12.093	4.9	ug/L	60985	2	11.581	309590	25.0
(DEL) Alkane: S...	12.216	5.9	ug/L	73089	2	11.581	309590	25.0
unknown-02	12.299	4.8	ug/L	59150	2	11.581	309590	25.0
(DEL) Alkane: S...	12.551	7.3	ug/L	24154	3	13.510	83289	25.0
(DEL) Alkane: C...	12.822	29.1	ug/L	96774	3	13.510	83289	25.0
unknown-03	12.904	33.9	ug/L	112849	3	13.510	83289	25.0
(DEL) Alkane: S...	13.257	37.0	ug/L	123191	3	13.510	83289	25.0
(DEL) Alkane: S...	13.310	12.1	ug/L	40460	3	13.510	83289	25.0
unknown-04	13.381	25.0	ug/L	83289	3	13.510	83289	25.0
(DEL) Alkane: S...	14.163	29.5	ug/L	98390	3	13.510	83289	25.0
trans-Decalin, ...	14.351	131.1	ug/L	436665	3	13.510	83289	25.0
(DEL) Alkane: C...	14.769	72.8	ug/L	242562	3	13.510	83289	25.0