LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82D110921S.M
Title : SW846 8260

Signal : TIC: VD070996.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.950	3	5	11	rVB3	36459	41753	1.23%	0.121%
2	2.344	68	72	77	rVB2	41845	61906	1.82%	0.180%
3	2.491	91	97	103	rBV	48436	80189	2.36%	0.233%
4	4.150	367	379	397	rBV	580792	1608865	47.29%	4.671%
5	4.409	412	423	434	rVB2	19227	59856	1.76%	0.174%
6	5.015	507	526	539	rBV6	47729	227007	6.67%	0.659%
7	5.485	592	606	622	rBV2	108271	376233	11.06%	1.092%
8	5.991	679	692	707	rBV	578084	1771222	52.06%	5.143%
9	6.938	842	853	859	rBV2	32312	94475	2.78%	0.274%
10	7.026	859	868	880	rVB	268678	781188	22.96%	2.268%
11	7.209	888	899	909	rBV2	24345	67788	1.99%	0.197%
12	7.914	1008	1019	1024	rBV	263925	659846	19.39%	1.916%
13	7.973	1024	1029	1040	rVB	507887	1124313	33.05%	3.264%
14	8.326	1080	1089	1102	rBV	259583	573195	16.85%	1.664%
15	8.567	1121	1130	1142	rVB3	17323	44828	1.32%	0.130%
16	8.720	1148	1156	1167	rVB4	42082	99153	2.91%	0.288%
17	8.861	1170	1180	1191	rBV	730816	1489557	43.78%	4.325%
18	9.044	1201	1211	1224	rBV2	29482	62768	1.84%	0.182%
19	9.303	1247	1255	1256	rBV2	23176	34681	1.02%	0.101%
20	9.350	1256	1263	1269	rVV2	225207	471441	13.86%	1.369%
21	9.408	1269	1273	1285	rVB4	55567	142593	4.19%	0.414%
22	9.597	1298	1305	1308	rBV4	20371	41487	1.22%	0.120%
23	9.914	1351	1359	1363	rBV2	50297	97837	2.88%	0.284%
24	9.973	1363	1369	1383	rVV2	397861	923069	27.13%	2.680%
25	10.108	1383	1392	1406	rVV	351475	760364	22.35%	2.208%
26	10.261	1414	1418	1422	rVV3	20915	39465	1.16%	0.115%
27	10.332	1422	1430	1446	rVV	1701468	3402278	100.00%	9.879%
28	10.514	1453	1461	1472	rVV	982687	1677361	49.30%	4.870%
29	10.632	1472	1481	1482	rVV5	33402	57275	1.68%	0.166%
30	10.673	1482	1488	1497	rVV	199005	377994	11.11%	1.098%
31	10.773	1497	1505	1515	rVV3	310641	716293	21.05%	2.080%
32	10.855	1515	1519	1525	rVV	101210	166963	4.91%	0.485%
33	10.944	1525	1534	1543	rVV	184395	349482	10.27%	1.015%
34	11.073	1544	1556	1561	rVV	1619546	2937695	86.34%	8.530%
35	11.120	1561	1564	1567	rVV	236062	394080	11.58%	1.144%
36	11.155	1567	1570	1571	rVV	180468	236367	6.95%	0.686%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82D110921S.M
Title : SW846 8260

37	11.185	1571	1575	1580	rVV	298919	559441	16.44%	1.624%
38	11.238	1580	1584	1590	rVV2	141855	261123	7.67%	0.758%
39	11.291	1590	1593	1597	rVV3	31748	54608	1.61%	0.159%
40	11.349	1597	1603	1607	rVV	134904	256621	7.54%	0.745%
41	11.420	1607	1615	1627	rVV5	617064	1642234	48.27%	4.768%
42	11.520	1627	1632	1643	rVV	411431	698511	20.53%	2.028%
43	11.638	1643	1652	1663	rVV	1082843	1907386	56.06%	5.538%
44	11.732	1664	1668	1671	rVV3	30192	62507	1.84%	0.181%
45	11.767	1671	1674	1678	rVV	91125	151887	4.46%	0.441%
46	11.849	1678	1688	1698	rVV2	818820	1888873	55.52%	5.484%
47	11.926	1698	1701	1707	rVB3	75995	113235	3.33%	0.329%
48	12.067	1718	1725	1730	rBV4	23145	47194	1.39%	0.137%
49	12.144	1731	1738	1751	rVV4	106511	324278	9.53%	0.942%
50	12.255	1751	1757	1762	rVB3	34562	71954	2.11%	0.209%
51	12.344	1768	1772	1776	rVV2	48528	93134	2.74%	0.270%
52	12.391	1776	1780	1789	rVB3	47638	103817	3.05%	0.301%
53	12.620	1813	1819	1830	rVB	903319	1535130	45.12%	4.457%
54	12.873	1855	1862	1865	rBV4	27839	50008	1.47%	0.145%
55	12.938	1865	1873	1881	rVV5	66612	148575	4.37%	0.431%
56	13.091	1889	1899	1903	rBV9	15968	48602	1.43%	0.141%
57	13.173	1909	1913	1920	rVB5	24561	42422	1.25%	0.123%
58	13.255	1921	1927	1932	rBV	31556	52010	1.53%	0.151%
59	13.561	1971	1979	1987	rVV	990939	1633939	48.02%	4.744%
60	13.632	1987	1991	1996	rVB	34405	49471	1.45%	0.144%
61	13.879	2028	2033	2039	rBV2	147454	234601	6.90%	0.681%
62	14.091	2064	2069	2075	rVV6	25045	54542	1.60%	0.158%
63	14.390	2116	2120	2125	rVV7	49589	99420	2.92%	0.289%
64	14.508	2136	2140	2144	rVV4	20538	38596	1.13%	0.112%
65	14.732	2172	2178	2185	rBV	49649	80963	2.38%	0.235%
66	14.808	2185	2191	2195	rVV7	16142	36096	1.06%	0.105%
67	14.849	2195	2198	2207	rVB4	25993	48756	1.43%	0.142%

Sum of corrected areas: 34440801

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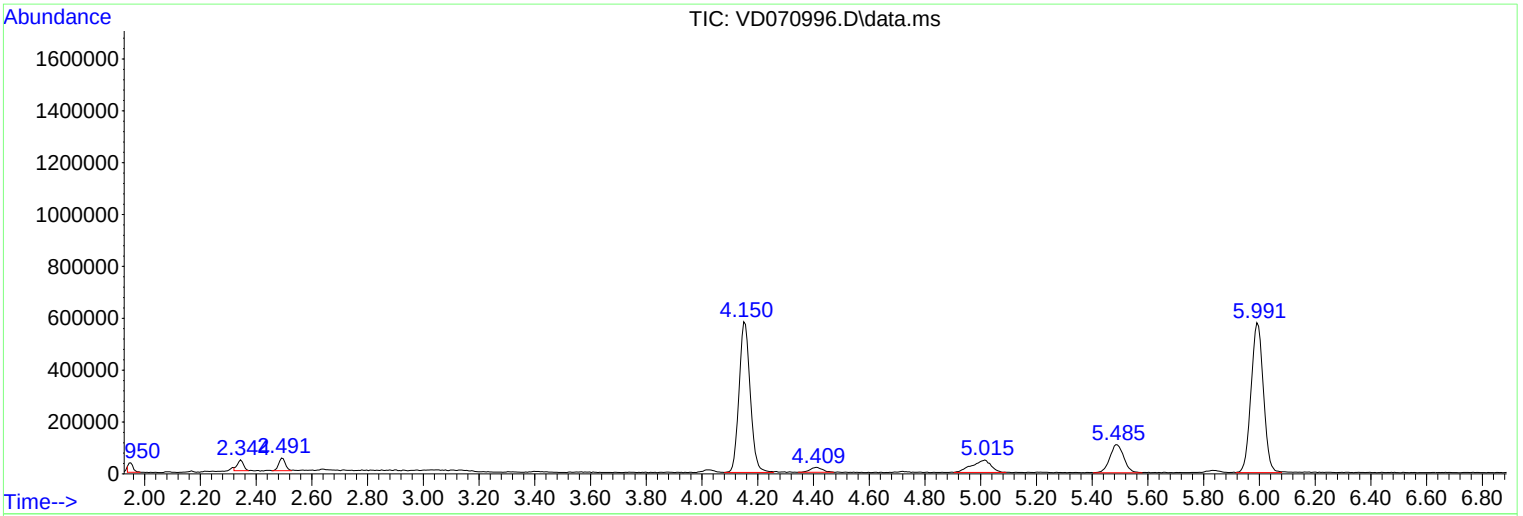
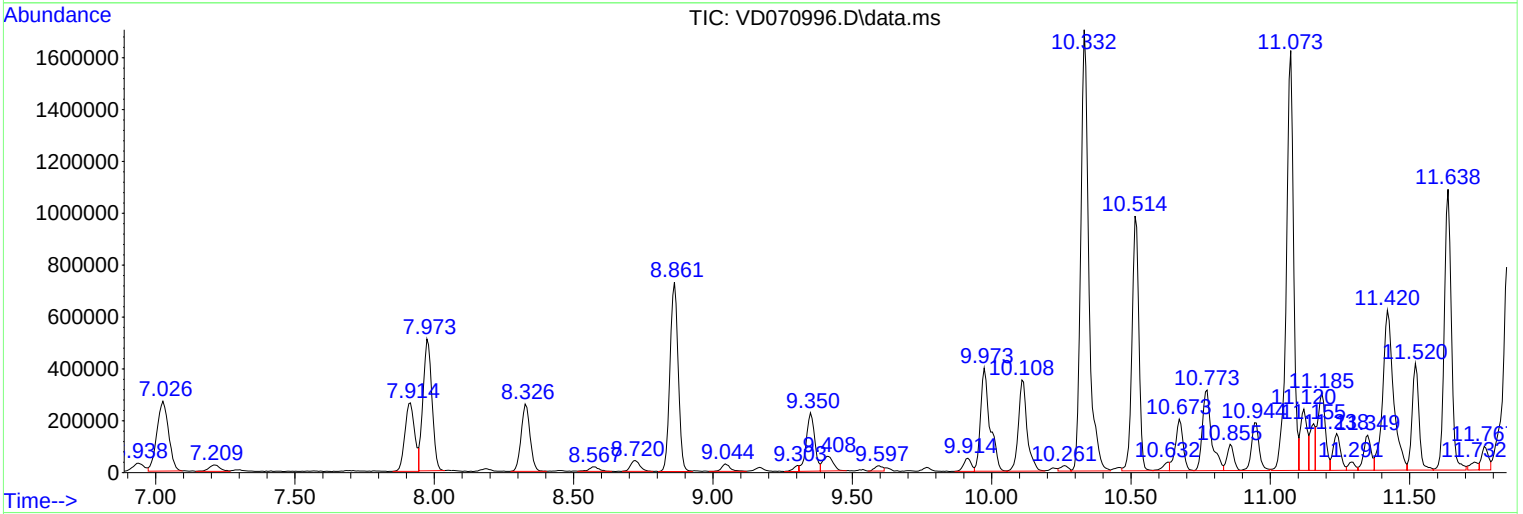
ALS Vial : 17 Sample Multiplier: 1

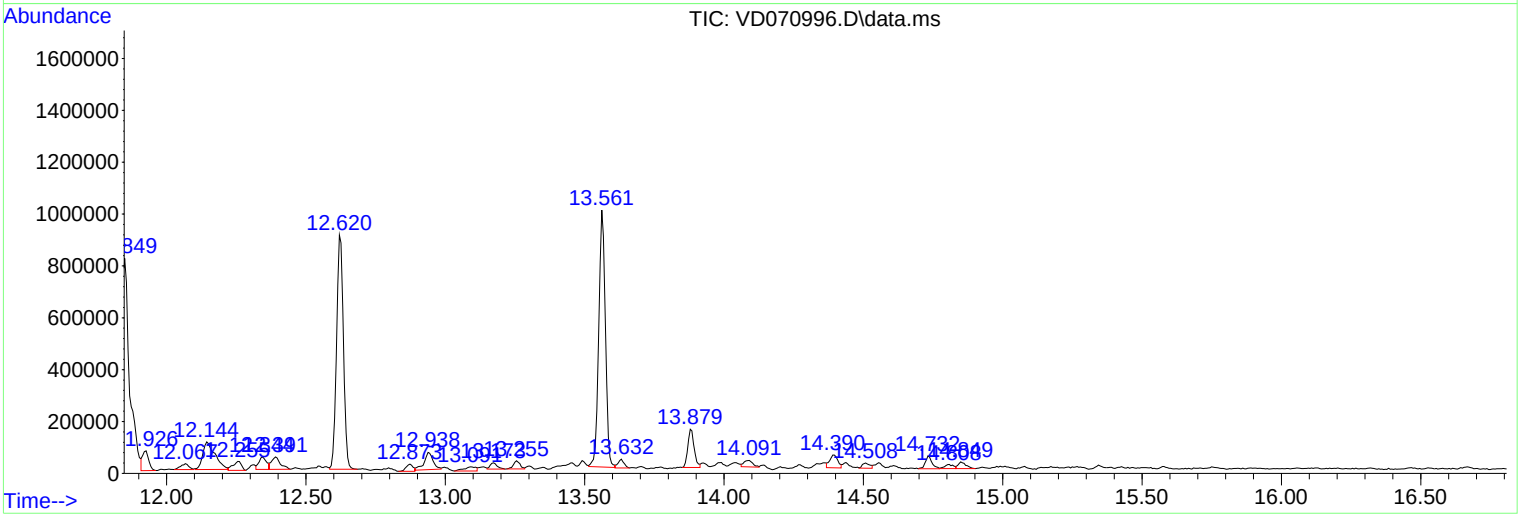
Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

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







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Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

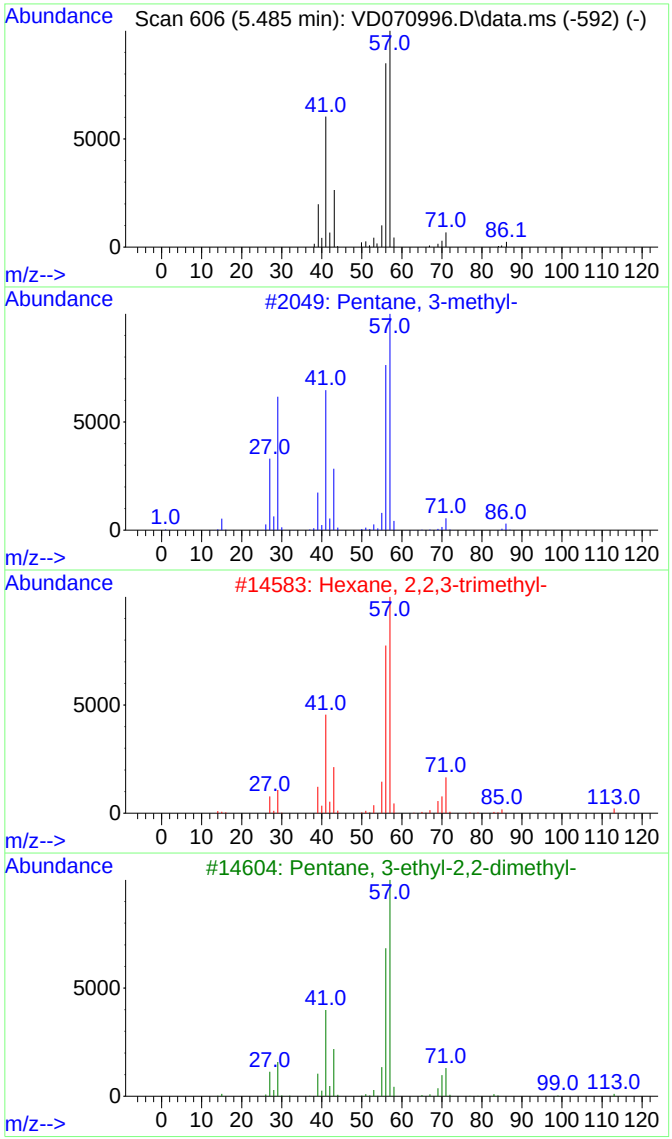
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

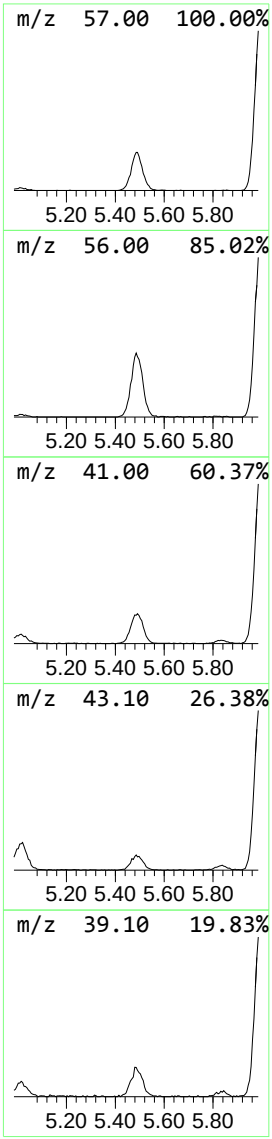
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.485	16.73 ug/l	376233	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
4	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	42
5	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

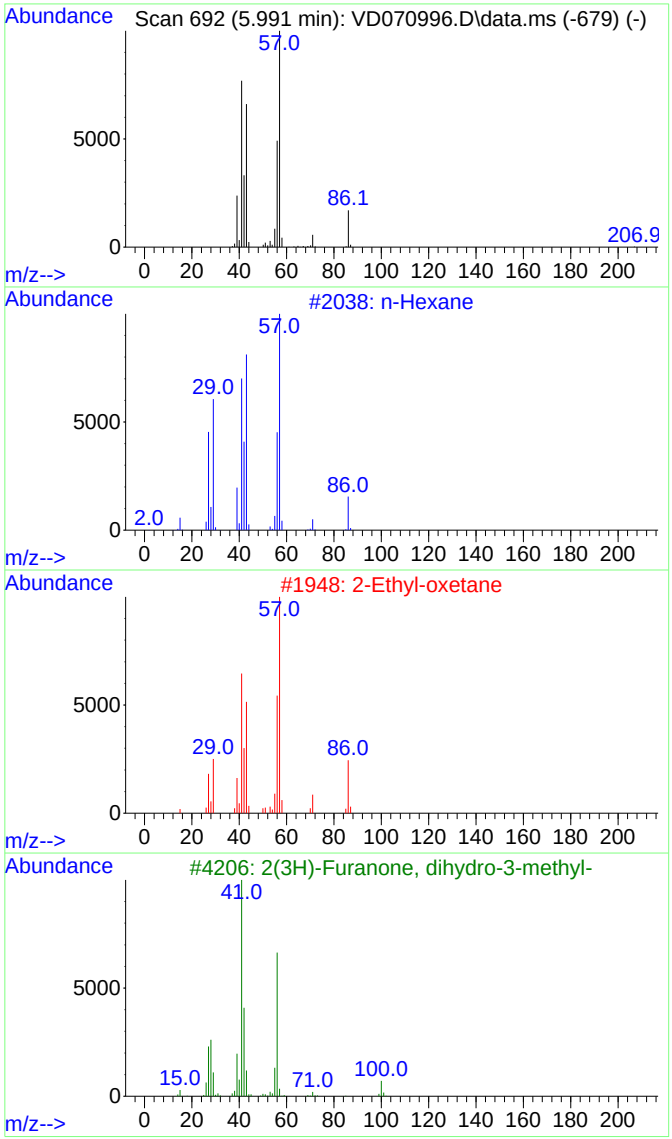
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

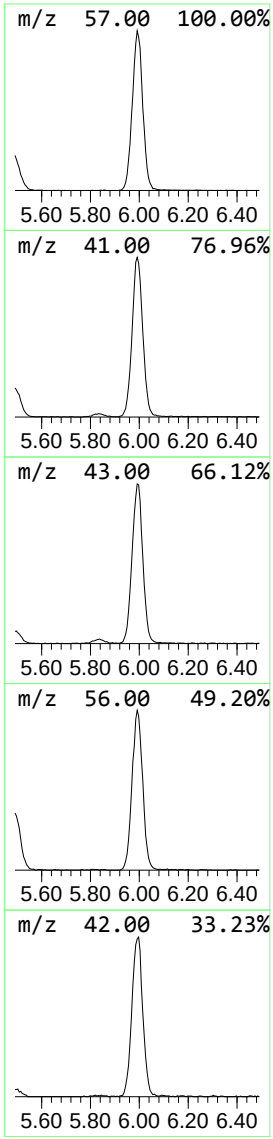
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 n-Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.991	78.77 ug/l	1771220	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	50
3	2(3H)-Furanone, dihydro-3-methyl-	100	C5H8O2	001679-47-6	40
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

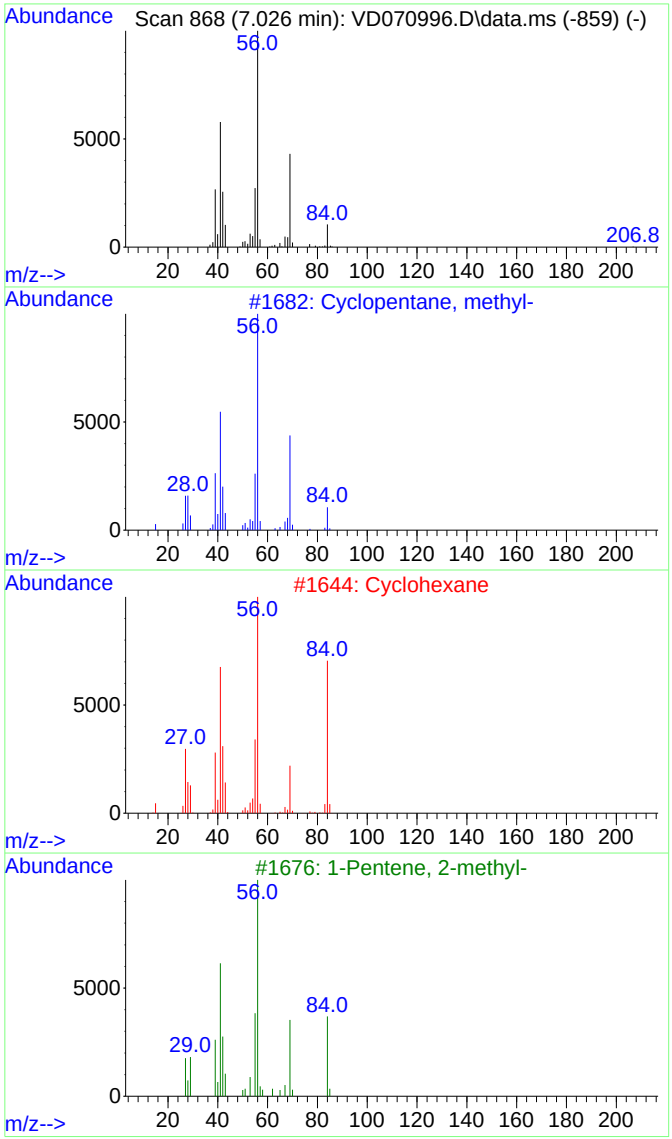
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

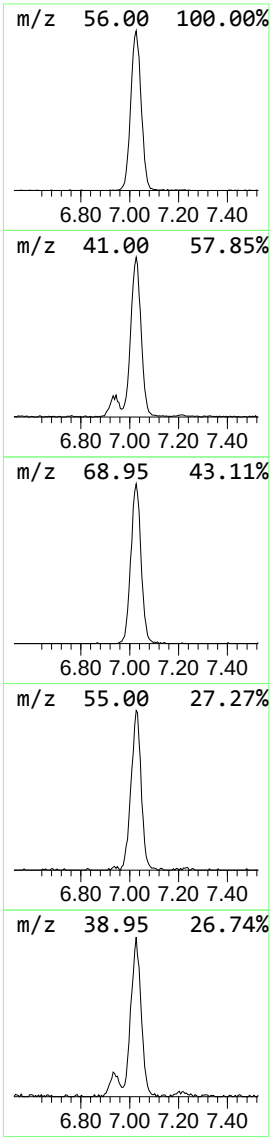
****

Peak Number 3 Cyclopentane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.026	34.74 ug/l	781188	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	90
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	86
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclobutane	56	C4H8	000287-23-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
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Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

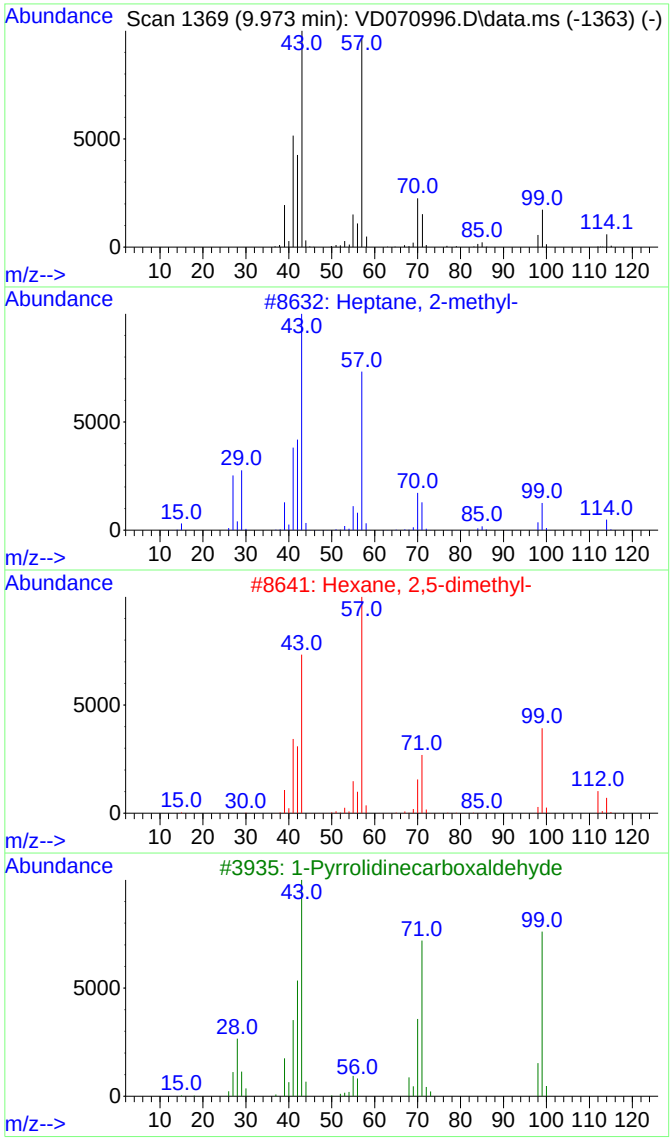
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

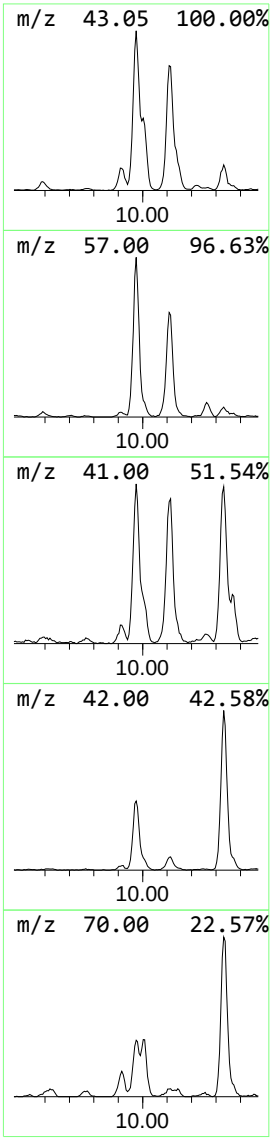
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.973	30.98 ug/l	923069	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	95
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
3	1-Pyrrolidinecarboxaldehyde	99	C5H9NO	003760-54-1	40
4	2-Piperidinone	99	C5H9NO	000675-20-7	40
5	Butane, 1-(ethenyloxy)-3-methyl-	114	C7H14O	039782-38-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

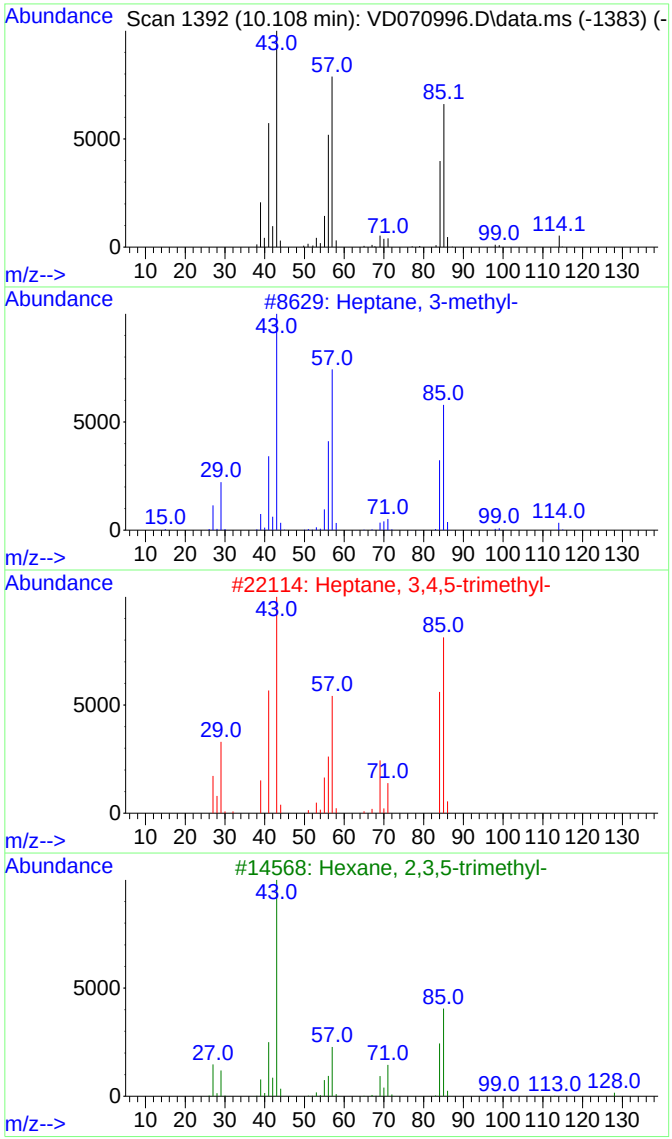
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

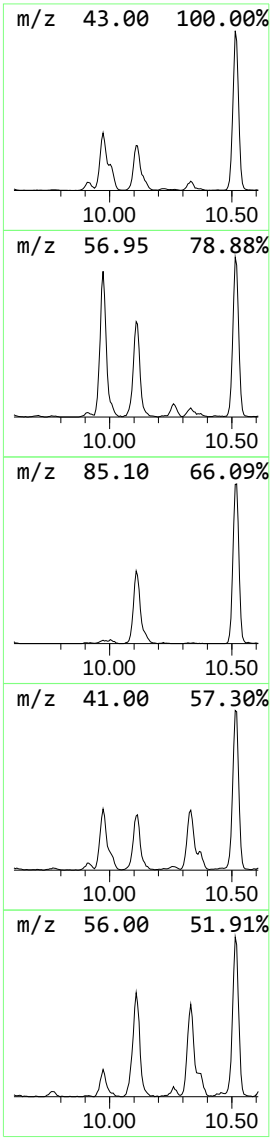
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.108	25.52 ug/l	760364	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
4	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53
5	Pentanoic acid, butyl ester	158	C9H18O2	000591-68-4	47





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Sample : M4583-04
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

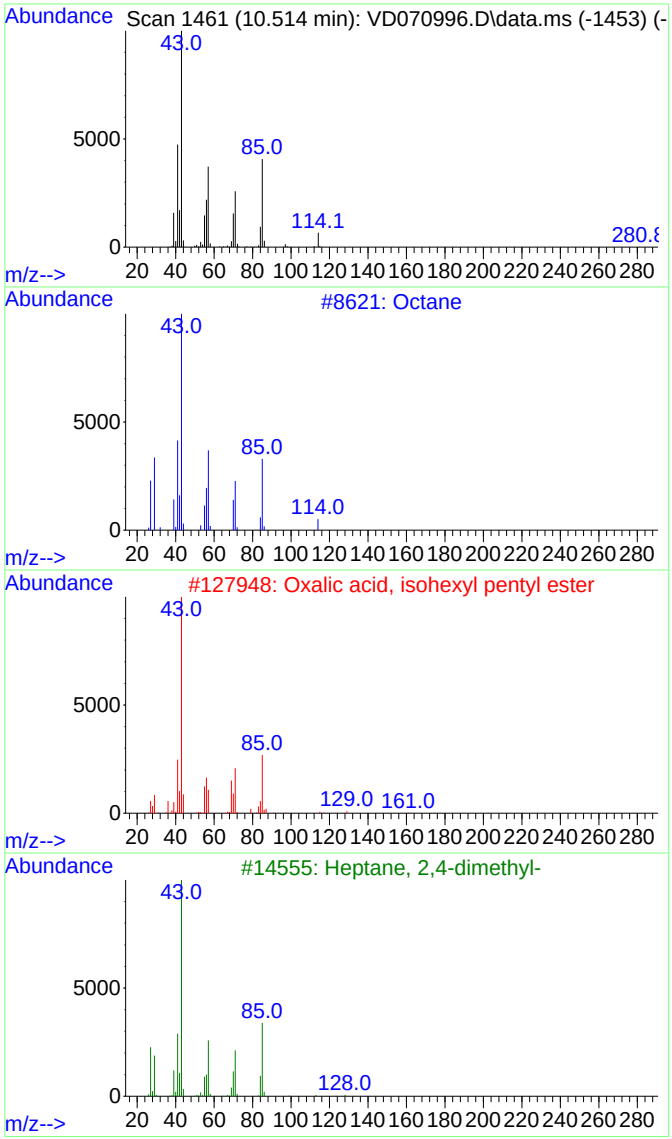
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

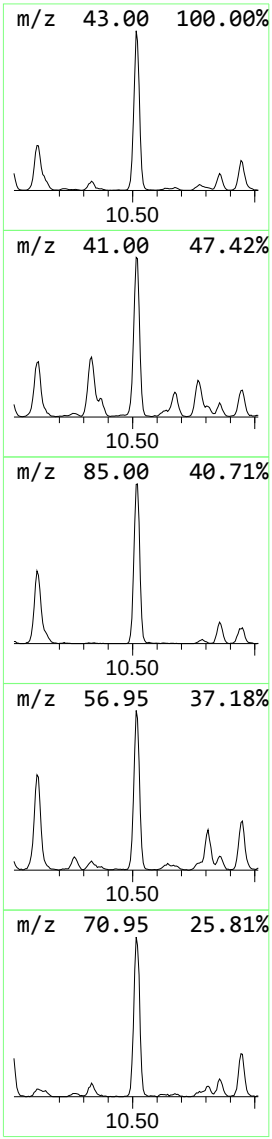
****

Peak Number 6 Octane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.514	43.97 ug/l	1677360	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	95
2	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	83
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	53
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

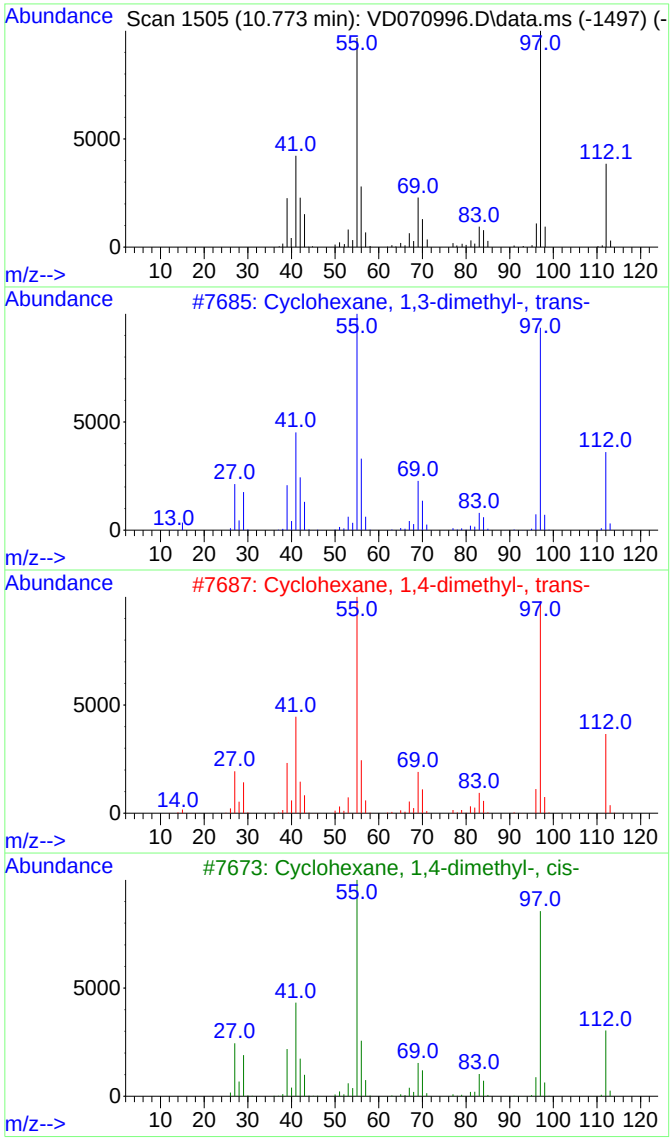
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

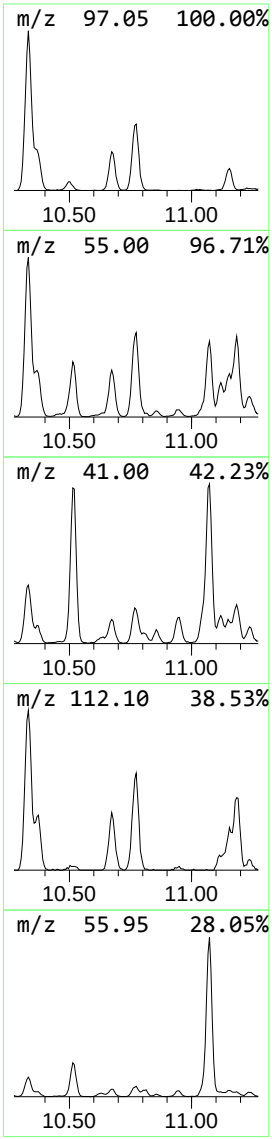
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.773	18.78 ug/l	716293	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	95
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	93





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Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

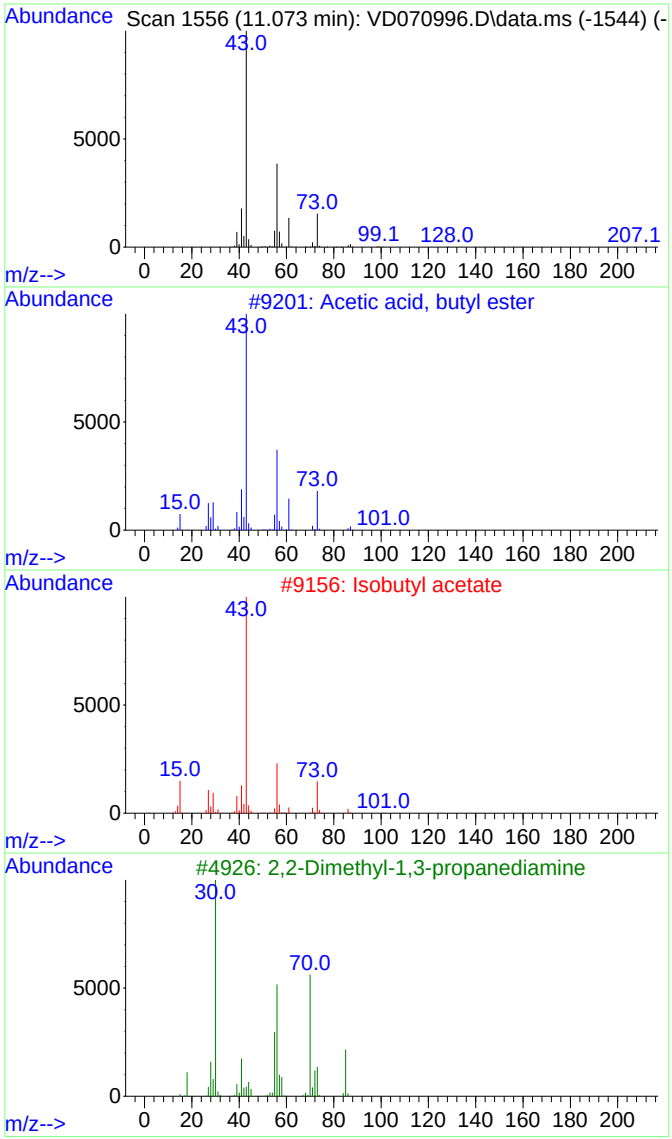
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

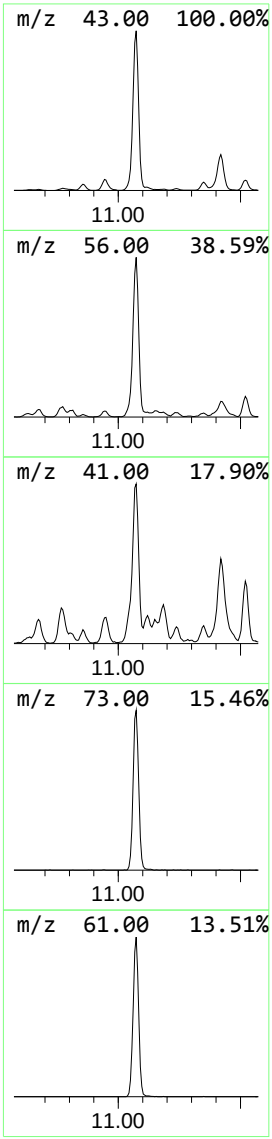
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Acetic acid, butyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.073	77.01 ug/l	2937700	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	83
2	Isobutyl acetate	116	C6H12O2	000110-19-0	33
3	2,2-Dimethyl-1,3-propanediamine	102	C5H14N2	007328-91-8	28
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	25
5	1-Butanol, 4-chloro-, acetate	150	C6H11ClO2	006962-92-1	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

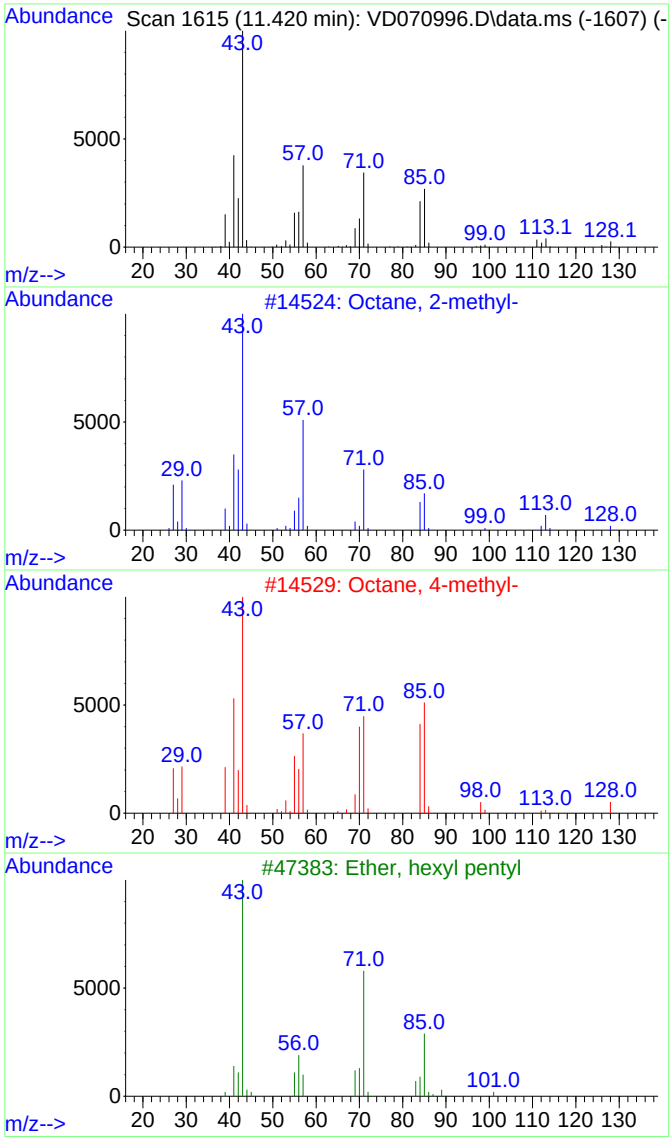
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

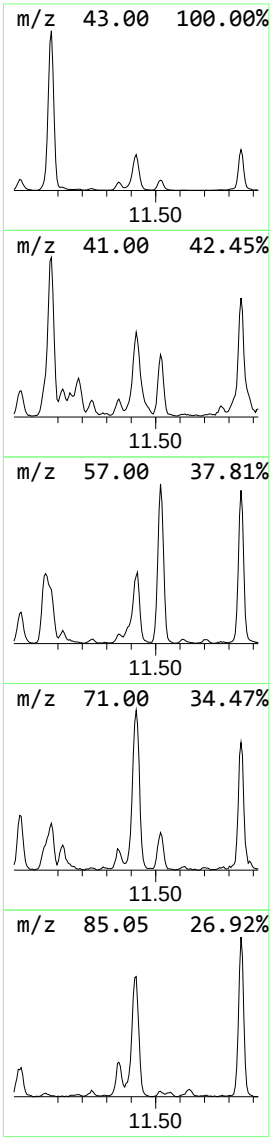
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Octane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.420	43.05 ug/l	1642230	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	80
2	Octane, 4-methyl-	128	C9H20	002216-34-4	64
3	Ether, hexyl pentyl	172	C11H24O	032357-83-8	53
4	Octane	114	C8H18	000111-65-9	53
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

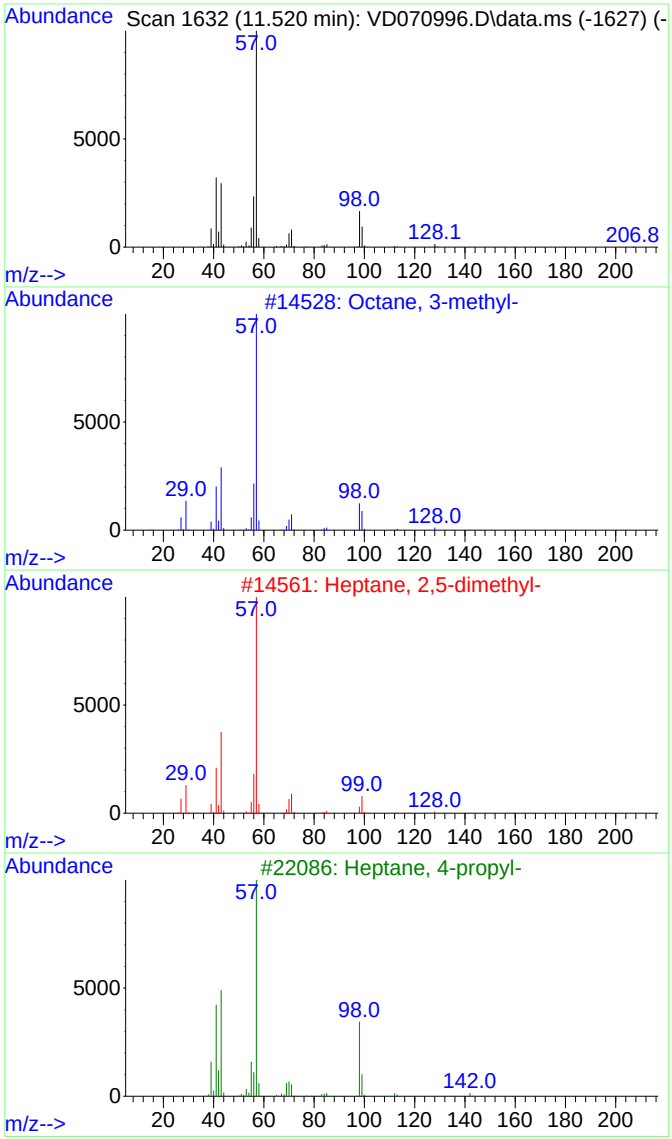
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

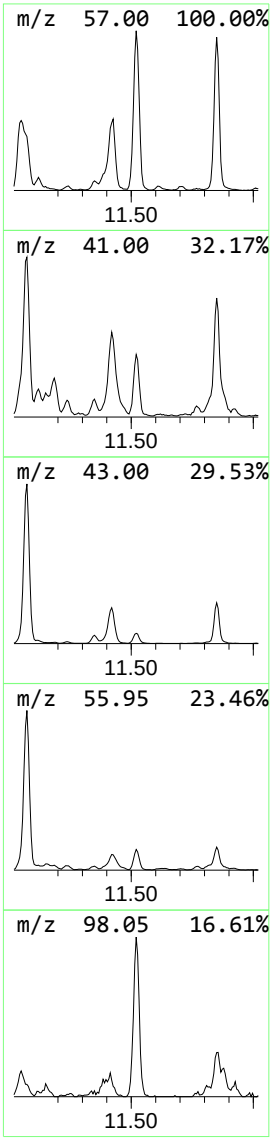
****

Peak Number 10 Octane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.520	18.31 ug/l	698511	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	53
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	50
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
Data File : VD070996.D
Acq On : 11 Nov 2021 17:24
Operator : VA/SY
Sample : M4583-04
Misc : 5.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VWE-B7-110621-0-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 3-methyl-	5.485	16.7	ug/l	376233	1	7.973	1124310	50.0
n-Hexane	5.991	78.8	ug/l	1771220	1	7.973	1124310	50.0
Cyclopentane, m...	7.026	34.7	ug/l	781188	1	7.973	1124310	50.0
Heptane, 2-methyl-	9.973	31.0	ug/l	923069	2	8.861	1489560	50.0
Heptane, 3-methyl-	10.108	25.5	ug/l	760364	2	8.861	1489560	50.0
Octane	10.514	44.0	ug/l	1677360	3	11.638	1907390	50.0
Cyclohexane, 1,...	10.773	18.8	ug/l	716293	3	11.638	1907390	50.0
Acetic acid, bu...	11.073	77.0	ug/l	2937700	3	11.638	1907390	50.0
Octane, 2-methyl-	11.420	43.0	ug/l	1642230	3	11.638	1907390	50.0
Octane, 3-methyl-	11.520	18.3	ug/l	698511	3	11.638	1907390	50.0