LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

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\82D040721S.M
Title : SW846 8260

Signal : TIC: VD068829.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.173	36	43	49	rBV	463521	608660	5.39%	1.558%
2	2.350	62	73	82	rBV	1937799	3049240	26.99%	7.805%
3	3.038	179	190	215	rBV	5349421	11297078	100.00%	28.917%
4	3.408	244	253	279	rVV2	1212849	3109742	27.53%	7.960%
5	3.614	279	288	299	rVB	84644	191379	1.69%	0.490%
6	3.885	325	334	344	rVB	114710	292122	2.59%	0.748%
7	4.144	363	378	393	rBV2	277483	904487	8.01%	2.315%
8	5.020	503	527	545	rBV4	120480	689280	6.10%	1.764%
9	5.496	593	608	621	rBV2	66085	230752	2.04%	0.591%
10	5.996	680	693	707	rBV3	73432	220980	1.96%	0.566%
11	7.026	862	868	880	rVB3	55459	171678	1.52%	0.439%
12	7.920	1010	1020	1024	rBV	166901	426092	3.77%	1.091%
13	7.979	1024	1030	1039	rVV3	384060	988468	8.75%	2.530%
14	8.190	1057	1066	1078	rVV2	101706	240626	2.13%	0.616%
15	8.332	1081	1090	1099	rVV	143875	322826	2.86%	0.826%
16	8.508	1102	1120	1131	rBV	422957	1097293	9.71%	2.809%
17	8.726	1147	1157	1169	rVB	118001	244612	2.17%	0.626%
18	8.867	1172	1181	1196	rBV	436035	909763	8.05%	2.329%
19	9.355	1251	1264	1269	rBV2	170582	366003	3.24%	0.937%
20	9.408	1269	1273	1280	rVB2	78489	152786	1.35%	0.391%
21	9.779	1329	1336	1347	rBV2	164634	341421	3.02%	0.874%
22	9.914	1347	1359	1365	rVV	196465	427468	3.78%	1.094%
23	9.979	1365	1370	1383	rVB3	107325	268212	2.37%	0.687%
24	10.120	1383	1394	1405	rBV	96474	228815	2.03%	0.586%
25	10.267	1413	1419	1425	rBV	93665	162834	1.44%	0.417%
26	10.337	1425	1431	1437	rVV	640534	1210266	10.71%	3.098%
27	10.402	1437	1442	1449	rVB	159258	296001	2.62%	0.758%
28	10.520	1455	1462	1469	rVB2	119577	226670	2.01%	0.580%
29	11.426	1608	1616	1627	rVB2	99777	274086	2.43%	0.702%
30	11.526	1627	1633	1639	rBV	84800	134560	1.19%	0.344%
31	11.643	1644	1653	1662	rBV	558453	991437	8.78%	2.538%
32	11.743	1664	1670	1674	rBV	71792	120191	1.06%	0.308%
33	11.855	1679	1689	1698	rVV2	276764	650433	5.76%	1.665%
34	12.178	1732	1744	1752	rBV	741356	1358599	12.03%	3.478%
35	12.396	1777	1781	1789	rVB3	68267	134974	1.19%	0.345%
36	12.631	1815	1821	1830	rVB	394166	673585	5.96%	1.724%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

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\82D040721S.M
Title : SW846 8260

37	12.814	1844	1852	1857	rVB3	56648	134028	1.19%	0.343%
38	12.914	1865	1869	1872	rVV	232693	396185	3.51%	1.014%
39	12.955	1872	1876	1882	rVB2	351691	616042	5.45%	1.577%
40	13.120	1896	1904	1910	rBV	218681	403347	3.57%	1.032%
41	13.461	1955	1962	1966	rBV3	84621	150855	1.34%	0.386%
42	13.573	1975	1981	1984	rBV	323537	571719	5.06%	1.463%
43	13.767	2009	2014	2018	rBV2	164691	276402	2.45%	0.707%
44	13.808	2018	2021	2030	rVB4	178525	318983	2.82%	0.816%
45	13.896	2030	2036	2041	rBV3	129177	217905	1.93%	0.558%
46	14.114	2067	2073	2080	rVB	169075	278885	2.47%	0.714%
47	14.220	2086	2091	2096	rBV2	89036	147816	1.31%	0.378%
48	14.402	2117	2122	2124	rVV3	99785	156916	1.39%	0.402%
49	14.437	2124	2128	2131	rVV2	168735	288846	2.56%	0.739%
50	14.472	2131	2134	2139	rVV	144430	210363	1.86%	0.538%
51	14.567	2139	2150	2154	rVV4	109026	318407	2.82%	0.815%
52	14.814	2186	2192	2198	rBV2	137785	365070	3.23%	0.934%
53	14.872	2199	2202	2208	rVB5	89464	158860	1.41%	0.407%
54	15.025	2225	2228	2234	rVB3	78615	117534	1.04%	0.301%
55	15.090	2234	2239	2245	rVB6	107904	202152	1.79%	0.517%
56	15.437	2293	2298	2302	rBV4	94325	186505	1.65%	0.477%
57	16.678	2504	2509	2524	rVB6	180904	537656	4.76%	1.376%

Sum of corrected areas: 39067895

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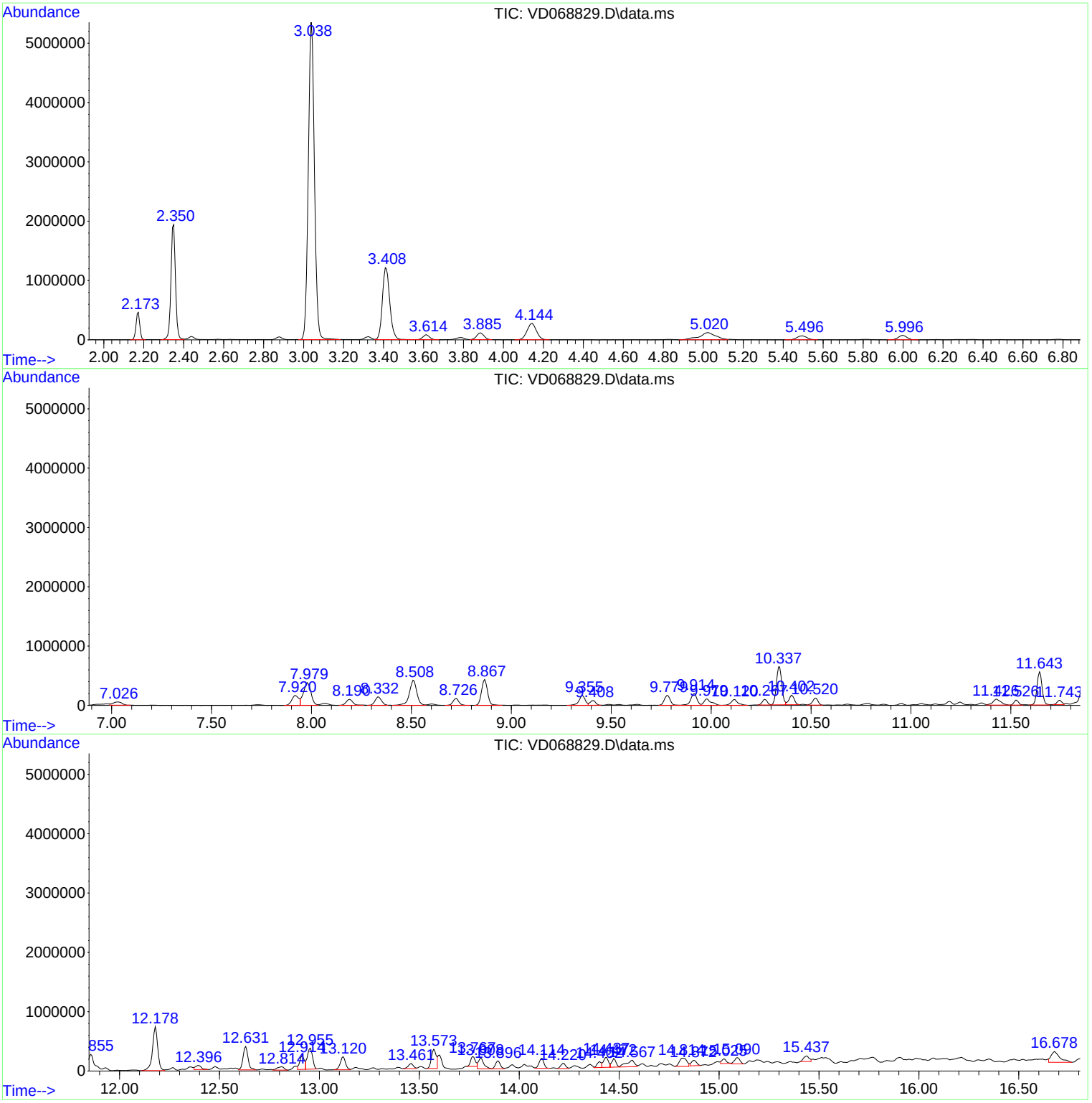
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

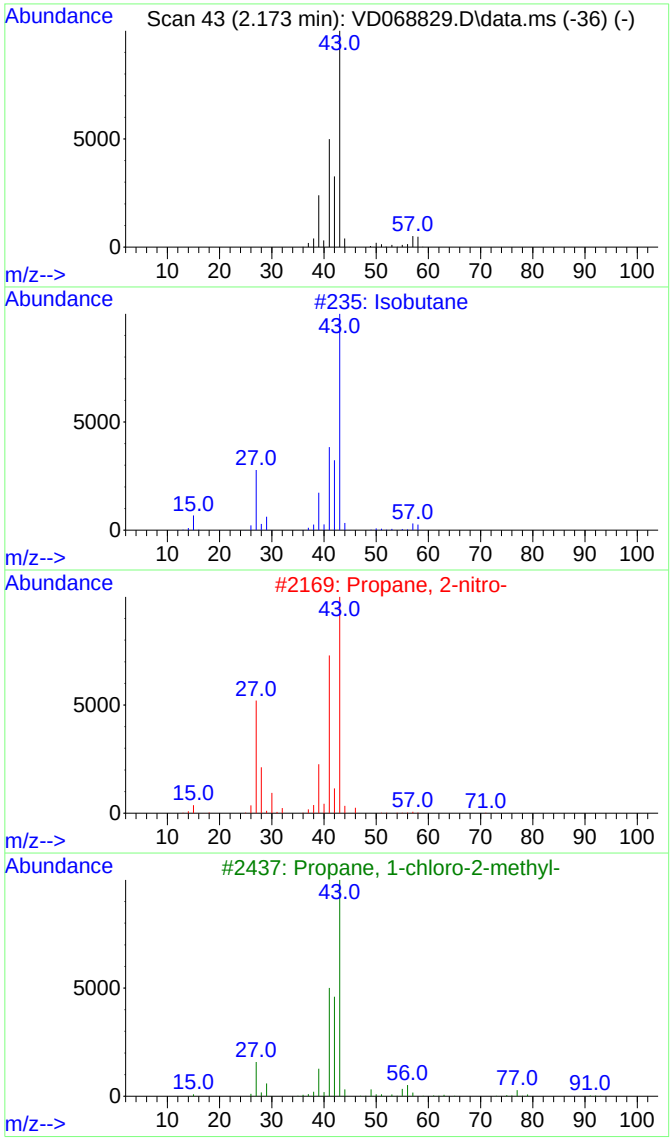
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

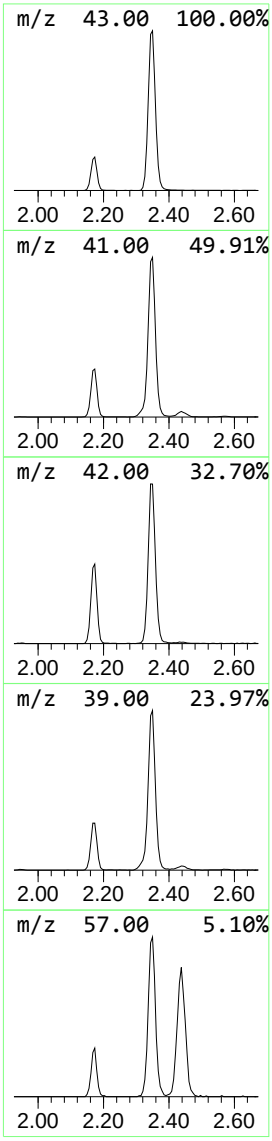
****

Peak Number 1 Isobutane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.173	30.79 ug/l	608660	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	4
3	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	4
4	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	4
5	5-Methyloxazolidine	87	C4H9NO	058328-22-6	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

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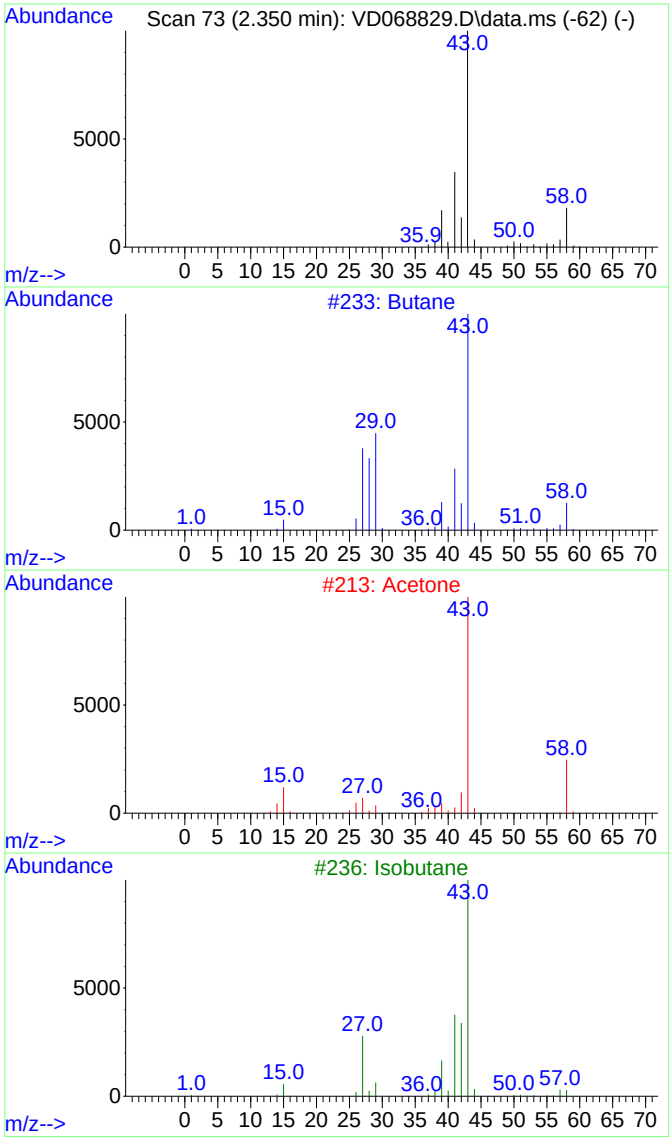
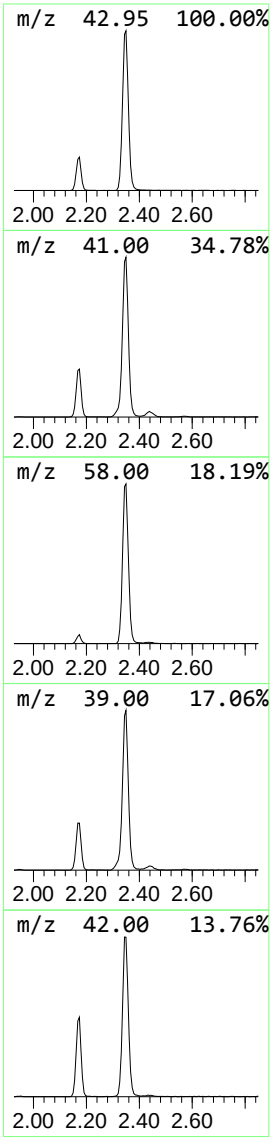
Peak Number 2 Butane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.350	154.24 ug/l	3049240	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	80
2	Acetone	58	C3H6O	000067-64-1	9
3	Isobutane	58	C4H10	000075-28-5	9
4	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
5	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

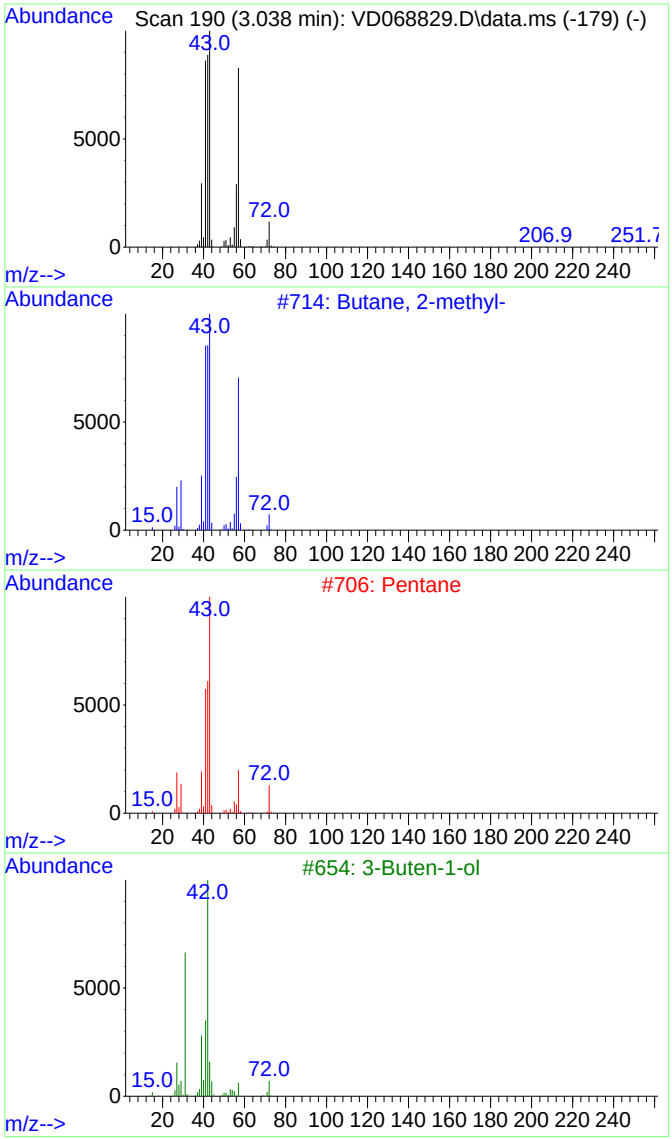
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

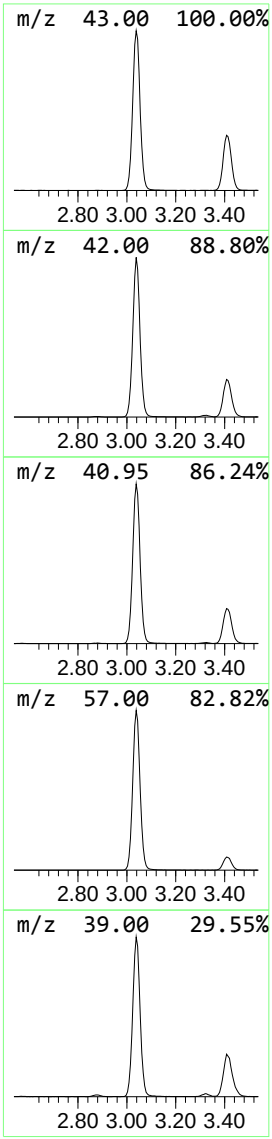
****

Peak Number 3 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.038	571.44 ug/l	11297100	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Pentane	72	C5H12	000109-66-0	38
3	3-Buten-1-ol	72	C4H8O	000627-27-0	25
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	16
5	1-Butanesulfonyl chloride	156	C4H9ClO2S	002386-60-9	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

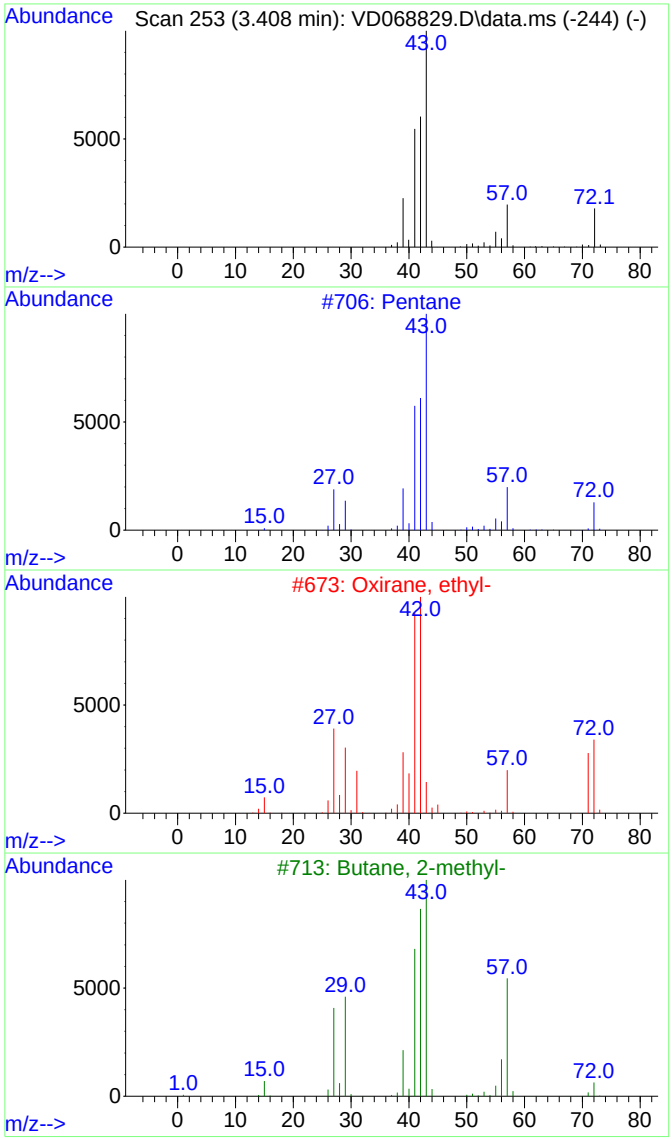
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

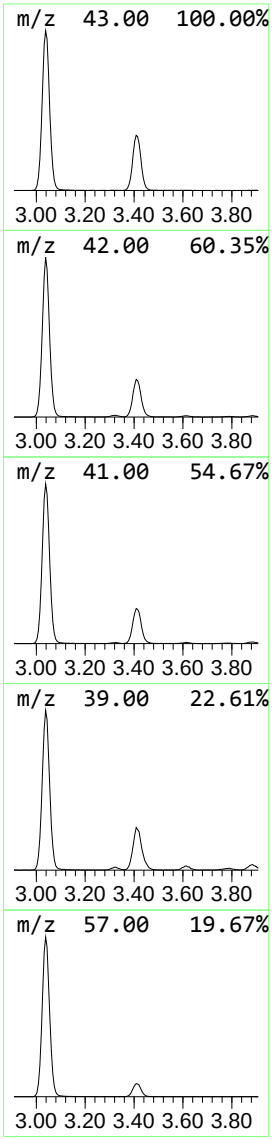
****

Peak Number 4 Pentane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.408	157.30 ug/l	3109740	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	53
3	Butane, 2-methyl-	72	C5H12	000078-78-4	38
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	36
5	Isobutylene epoxide	72	C4H8O	000558-30-5	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

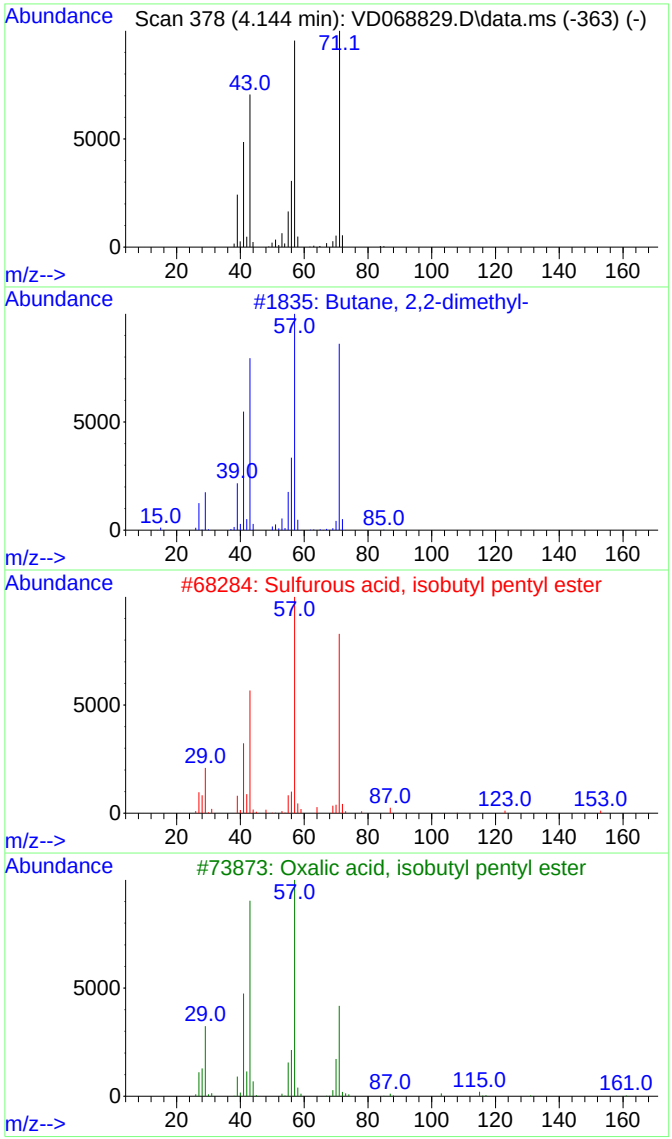
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

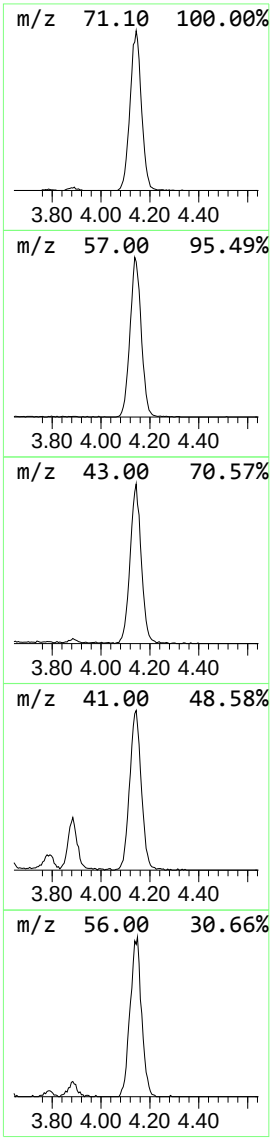
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Butane, 2,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.144	45.75 ug/l	904487	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	90
2	Sulfurous acid, isobutyl pentyl ...	208	C9H20O3S	1000309-13-8	56
3	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	43
4	Propanoic acid, 2-methyl-, anhyd...	158	C8H14O3	000097-72-3	38
5	1-Penten-3-ol, 3-methyl-	100	C6H12O	000918-85-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
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Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

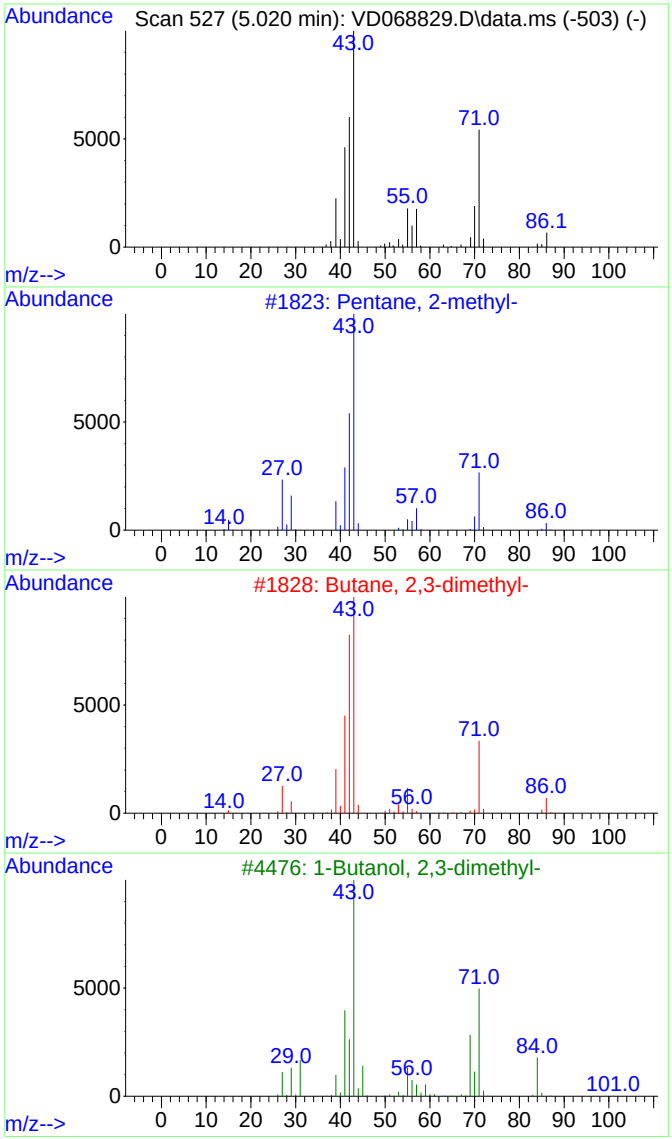
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

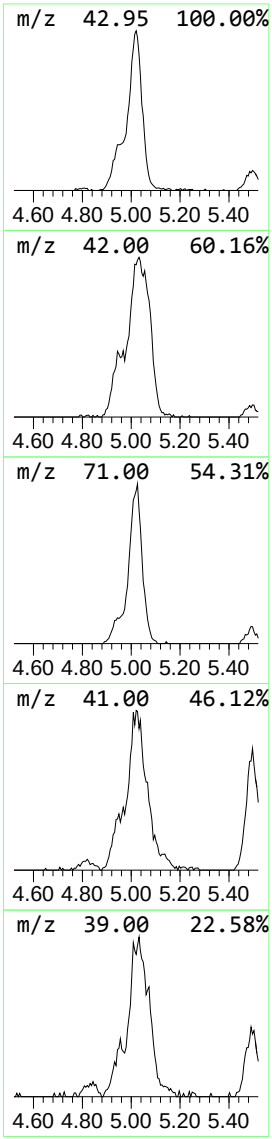
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.020	34.87 ug/l	689280	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38
5	Pentane	72	C5H12	000109-66-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

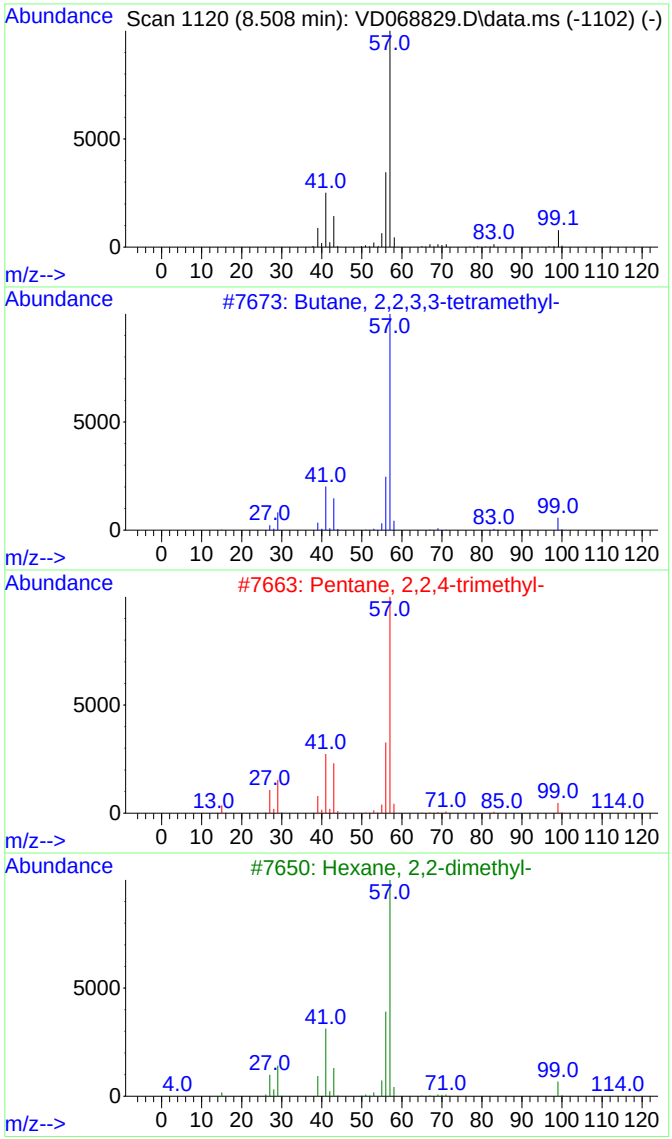
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

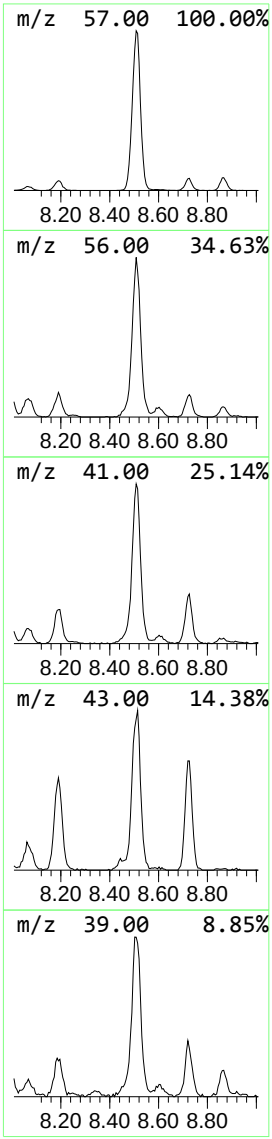
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Butane, 2,2,3,3-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.508	60.31 ug/l	1097290	1,4-Difluorobenzene	8.867

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

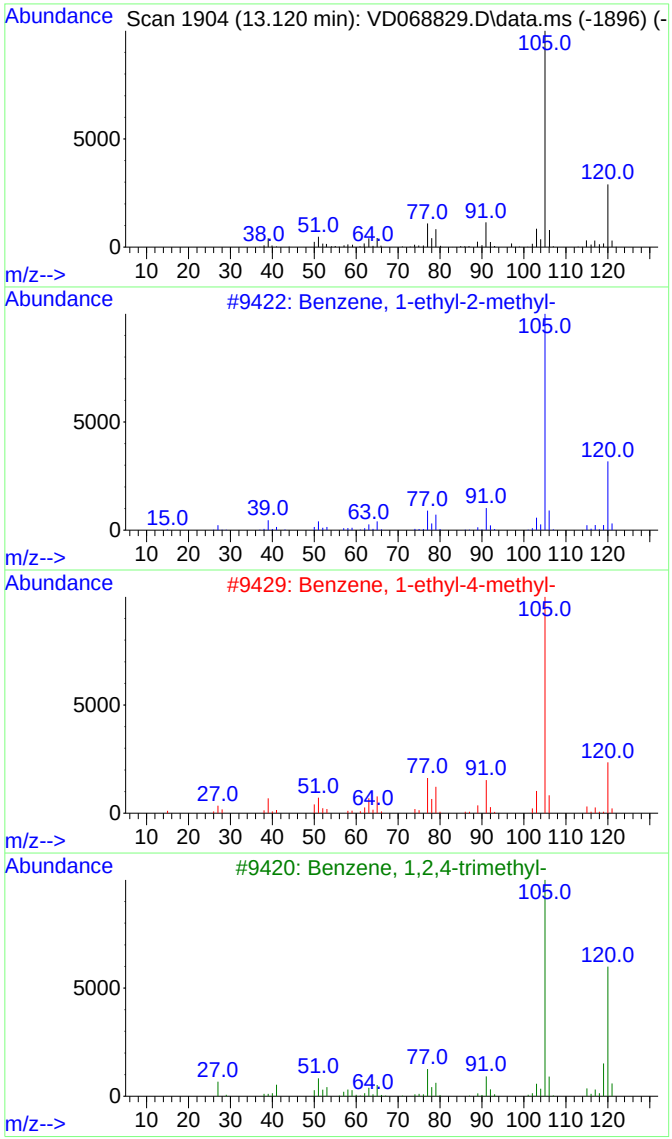
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

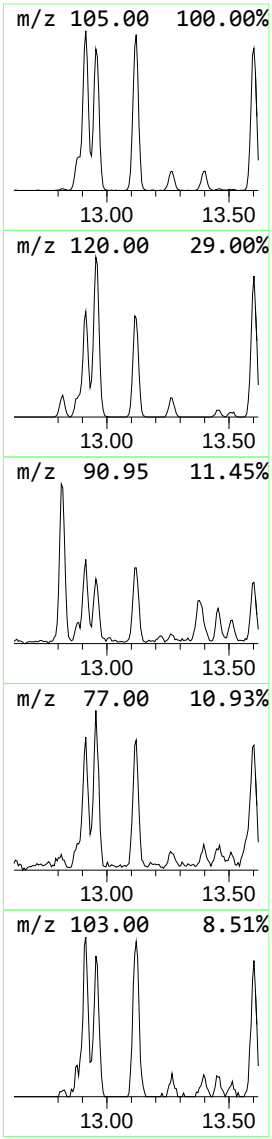
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.120	35.27 ug/l	403347	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Mesitylene	120	C9H12	000108-67-8	90





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Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

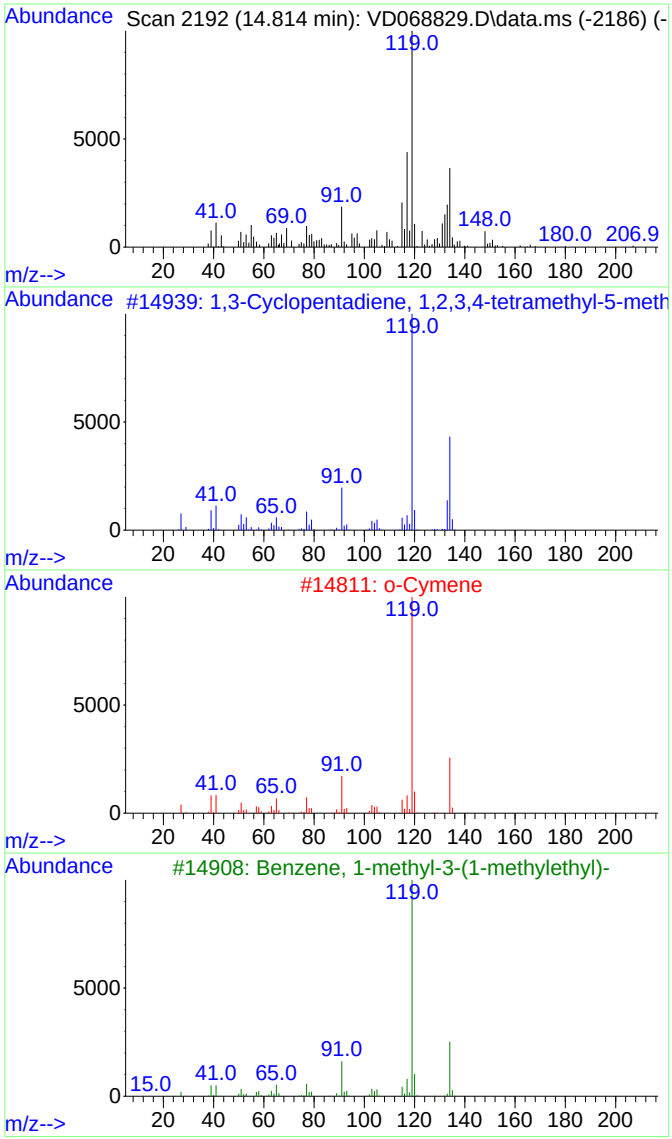
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

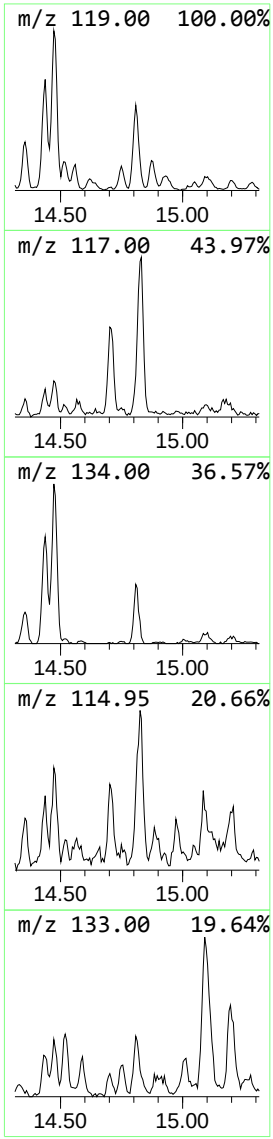
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.814	31.93 ug/l	365070	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60
2	o-Cymene	134	C10H14	000527-84-4	55
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	49
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

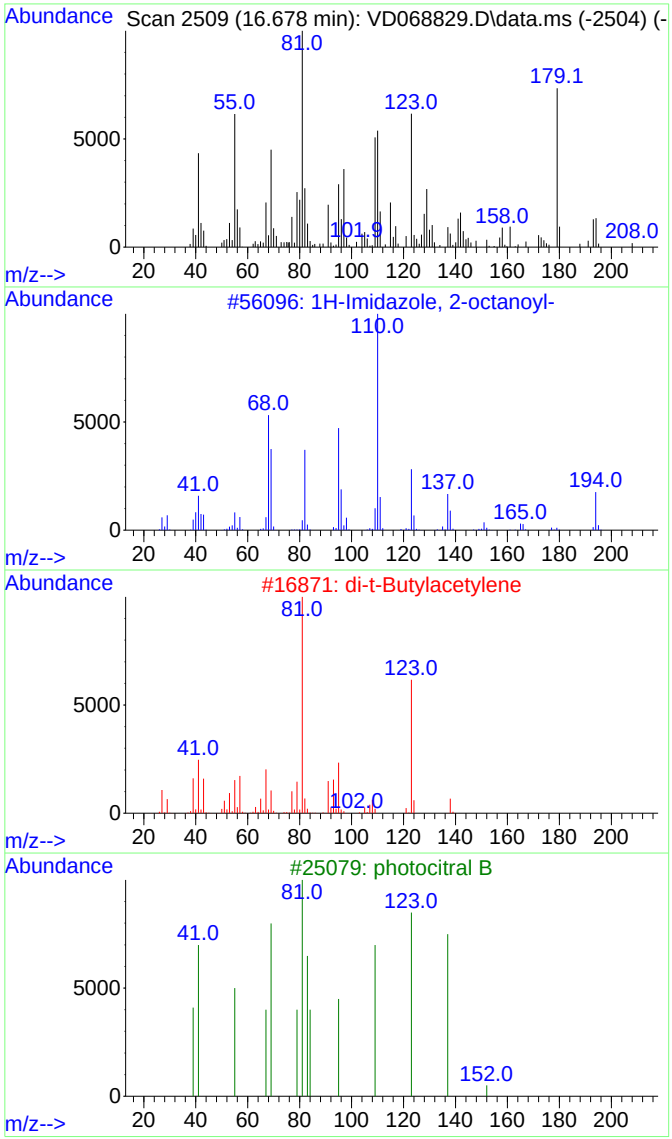
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

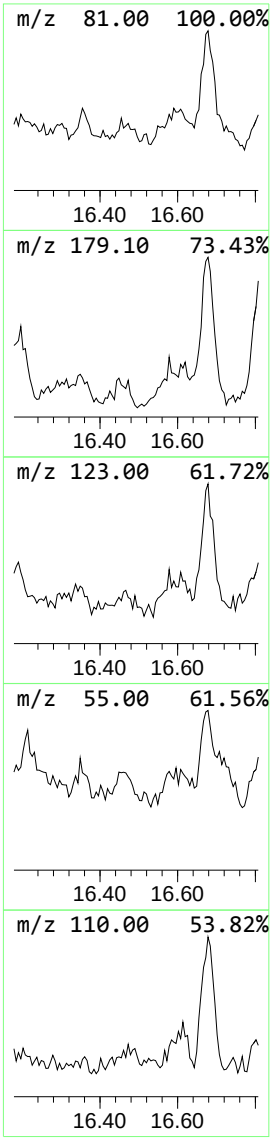
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown16.678 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.678	47.02 ug/l	537656	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 2-octanoyl-	194	C11H18N2O	061985-26-0	44
2	di-t-Butylacetylene	138	C10H18	017530-24-4	38
3	photocitral B	152	C10H16O	006040-45-5	35
4	4,5-Imidazoledimethanol	128	C5H8N2O2	033457-48-6	20
5	2-n-Octylfuran	180	C12H20O	004179-38-8	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
Data File : VD068829.D
Acq On : 12 Apr 2021 13:48
Operator : VA/SY
Sample : M1996-01
Misc : 6.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26878

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Isobutane	2.173	30.8	ug/l	608660	1	7.979	988468	50.0
Butane	2.350	154.2	ug/l	3049240	1	7.979	988468	50.0
Butane, 2-methyl-	3.038	571.4	ug/l	11297100	1	7.979	988468	50.0
Pentane	3.408	157.3	ug/l	3109740	1	7.979	988468	50.0
Butane, 2,2-dim...	4.144	45.8	ug/l	904487	1	7.979	988468	50.0
Pentane, 2-methyl-	5.020	34.9	ug/l	689280	1	7.979	988468	50.0
Butane, 2,2,3,3...	8.508	60.3	ug/l	1097290	2	8.867	909763	50.0
Benzene, 1-ethy...	13.120	35.3	ug/l	403347	4	13.573	571719	50.0
1,3-Cyclopentad...	14.814	31.9	ug/l	365070	4	13.573	571719	50.0
unknown16.678	16.678	47.0	ug/l	537656	4	13.573	571719	50.0