LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

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\82D012622S.M
Title : SW846 8260

Signal : TIC: VD071803.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	48	rBV	171299	225424	6.81%	0.738%
2	2.350	63	73	84	rBV	362207	585726	17.69%	1.918%
3	3.044	180	191	203	rBV	524558	1156322	34.93%	3.786%
4	3.414	245	254	268	rBV2	117617	296352	8.95%	0.970%
5	3.891	325	335	344	rBV3	36037	93242	2.82%	0.305%
6	4.155	370	380	391	rVB4	38753	120624	3.64%	0.395%
7	4.967	502	518	519	rBV4	63094	179195	5.41%	0.587%
8	5.026	521	528	548	rVB2	140145	539645	16.30%	1.767%
9	5.214	548	560	561	rBV2	115686	225987	6.83%	0.740%
10	5.485	588	606	621	rBV2	513290	1857494	56.10%	6.082%
11	5.991	685	692	693	rBV2	25915	35323	1.07%	0.116%
12	6.355	741	754	755	rBV4	25476	53580	1.62%	0.175%
13	6.779	815	826	838	rBV9	16590	56152	1.70%	0.184%
14	6.926	841	851	860	rBV3	45961	138457	4.18%	0.453%
15	7.032	860	869	878	rVV2	87003	245036	7.40%	0.802%
16	7.732	979	988	998	rVB8	25438	73278	2.21%	0.240%
17	7.914	1008	1019	1024	rBV2	416238	1017912	30.75%	3.333%
18	7.979	1024	1030	1039	rVV	768450	1811000	54.70%	5.930%
19	8.067	1039	1045	1056	rVB	81914	203879	6.16%	0.668%
20	8.190	1056	1066	1073	rBV	98087	224057	6.77%	0.734%
21	8.332	1081	1090	1100	rBV2	458128	1249285	37.73%	4.091%
22	8.420	1100	1105	1109	rVV2	61833	152915	4.62%	0.501%
23	8.508	1111	1120	1130	rVV	435232	1156625	34.93%	3.787%
24	8.602	1130	1136	1144	rVB4	34391	80808	2.44%	0.265%
25	8.720	1148	1156	1166	rVB3	25004	63396	1.91%	0.208%
26	8.861	1170	1180	1192	rBV	1147975	2365568	71.45%	7.746%
27	9.355	1250	1264	1269	rBV3	127568	343130	10.36%	1.124%
28	9.408	1269	1273	1281	rVB3	64927	119368	3.61%	0.391%
29	9.779	1328	1336	1346	rVB	156630	314163	9.49%	1.029%
30	9.908	1346	1358	1365	rBV2	180577	403144	12.18%	1.320%
31	9.973	1365	1369	1372	rVV3	29502	57568	1.74%	0.188%
32	10.008	1372	1375	1383	rVB3	32066	55628	1.68%	0.182%
33	10.108	1383	1392	1406	rBV6	61020	193489	5.84%	0.634%
34	10.267	1413	1419	1424	rBV	87534	147407	4.45%	0.483%
35	10.337	1424	1431	1439	rBV	1856150	3310809	100.00%	10.841%
36	10.443	1445	1449	1455	rVV5	19662	39867	1.20%	0.131%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

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\82D012622S.M
Title : SW846 8260

37	10.520	1455	1462	1469	rVB7	53981	126942	3.83%	0.416%
38	10.773	1498	1505	1510	rBV8	28298	83996	2.54%	0.275%
39	10.861	1516	1520	1526	rVB4	21281	39761	1.20%	0.130%
40	10.949	1526	1535	1540	rBV2	30365	59074	1.78%	0.193%
41	11.026	1542	1548	1558	rVV3	36358	106421	3.21%	0.348%
42	11.420	1607	1615	1627	rVB4	35672	96247	2.91%	0.315%
43	11.526	1627	1633	1643	rVB3	34008	69625	2.10%	0.228%
44	11.637	1645	1652	1663	rBV	1596375	2893469	87.39%	9.474%
45	11.737	1665	1669	1678	rVV2	63579	125380	3.79%	0.411%
46	11.867	1678	1691	1699	rVV8	78113	205561	6.21%	0.673%
47	12.137	1731	1737	1743	rBV5	50489	111565	3.37%	0.365%
48	12.261	1752	1758	1763	rVB3	28877	56133	1.70%	0.184%
49	12.343	1763	1772	1775	rBV10	17943	45662	1.38%	0.150%
50	12.625	1810	1820	1830	rVB	1611203	2814222	85.00%	9.215%
51	12.949	1869	1875	1882	rVV9	26420	68110	2.06%	0.223%
52	13.114	1895	1903	1910	rBV2	50066	138468	4.18%	0.453%
53	13.202	1916	1918	1922	rVB3	26450	38152	1.15%	0.125%
54	13.308	1931	1936	1942	rBV4	25711	44872	1.36%	0.147%
55	13.420	1947	1955	1964	rVB4	46846	101032	3.05%	0.331%
56	13.567	1971	1980	1994	rVV	1513978	2803150	84.67%	9.178%
57	13.731	2003	2008	2010	rBV	52199	86123	2.60%	0.282%
58	13.767	2010	2014	2020	rVB	177362	299173	9.04%	0.980%
59	13.884	2027	2034	2041	rBV5	70218	150852	4.56%	0.494%
60	14.025	2053	2058	2064	rBV6	33277	63363	1.91%	0.207%
61	14.102	2064	2071	2077	rBV2	98090	176982	5.35%	0.579%
62	14.214	2085	2090	2097	rVB2	82650	149644	4.52%	0.490%
63	14.514	2136	2141	2145	rBV5	25497	44639	1.35%	0.146%
64	14.702	2168	2173	2177	rBV4	25776	41984	1.27%	0.137%
65	14.820	2185	2193	2198	rBV4	89498	185270	5.60%	0.607%
66	15.072	2231	2236	2241	rBV6	18306	33389	1.01%	0.109%
67	15.190	2252	2256	2264	rVB5	26410	53069	1.60%	0.174%
68	15.384	2285	2289	2295	rVB	22499	36774	1.11%	0.120%

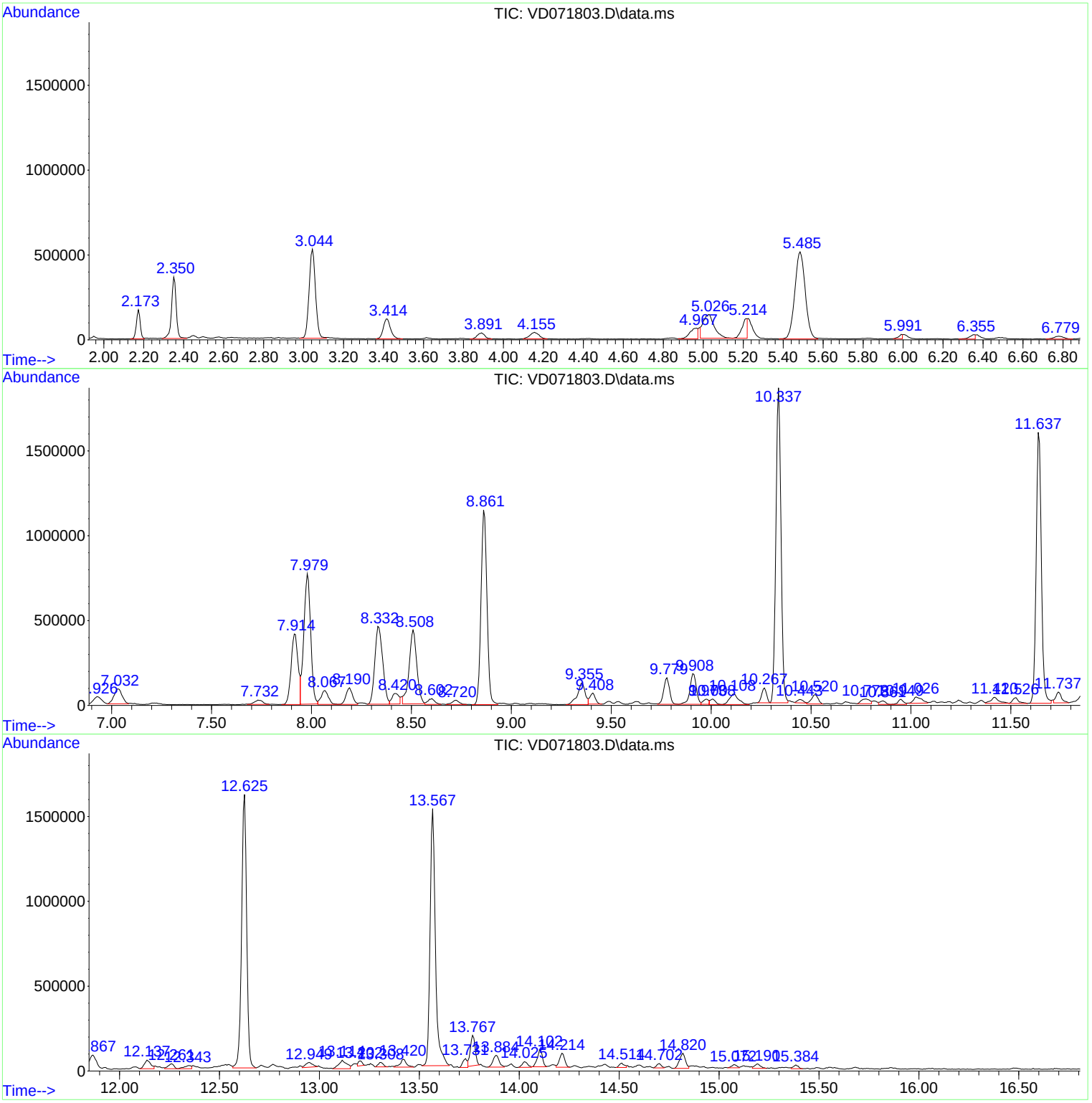
Sum of corrected areas: 30540959

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

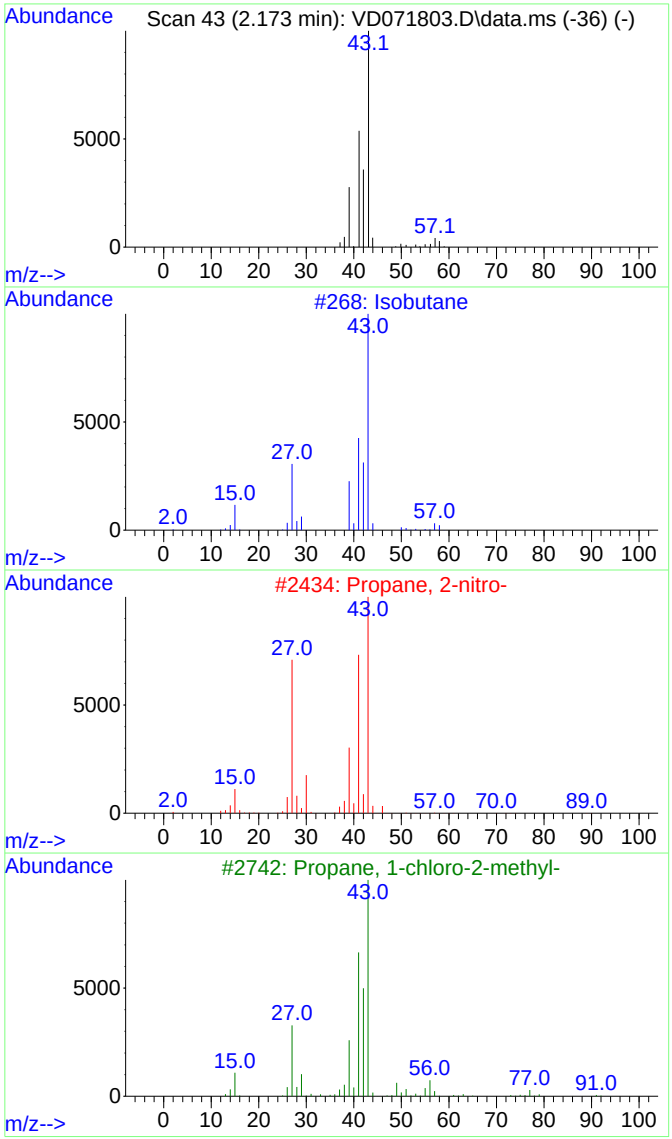
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

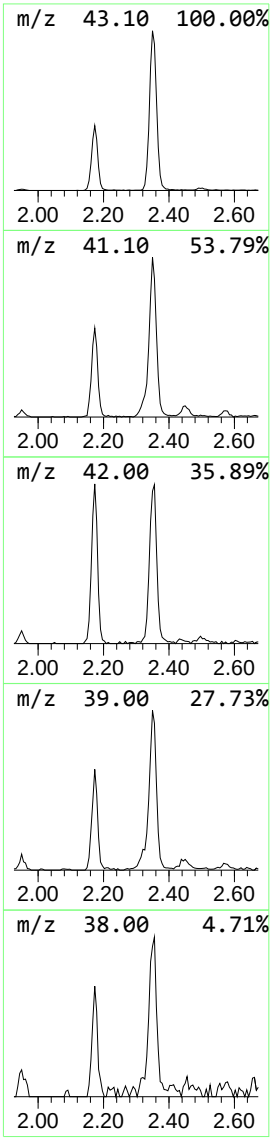
****

Peak Number 1 Isobutane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.173	6.22 ug/l	225424	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
3	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	9
4	Borane, trimethyl-	56	C3H9B	000593-90-8	7
5	Propene	42	C3H6	000115-07-1	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

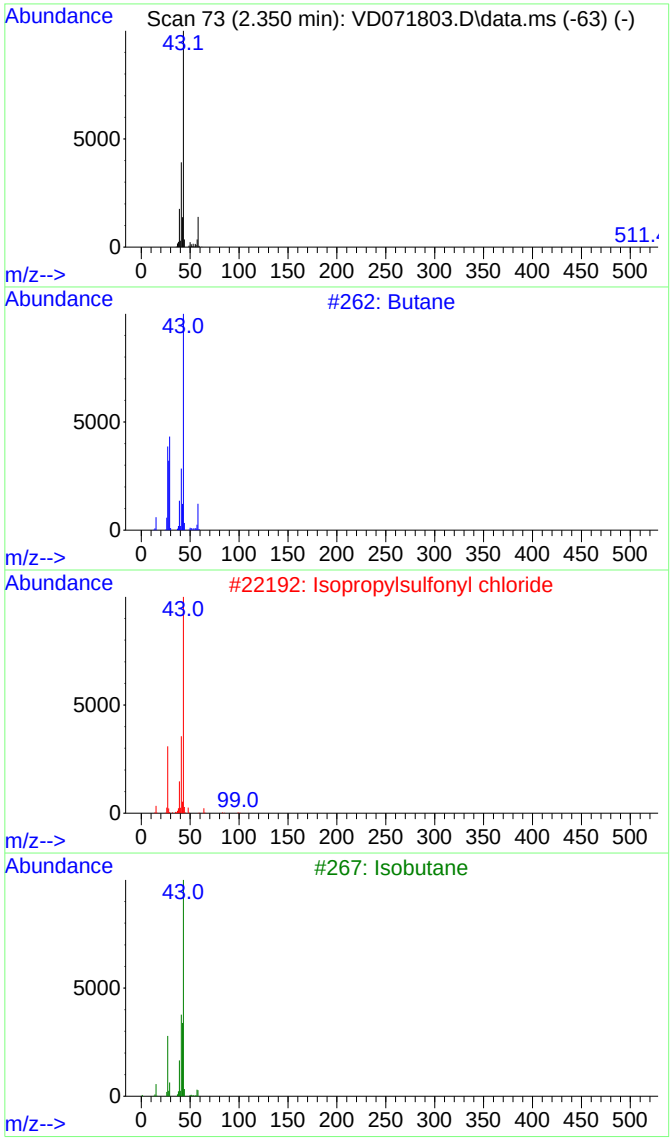
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

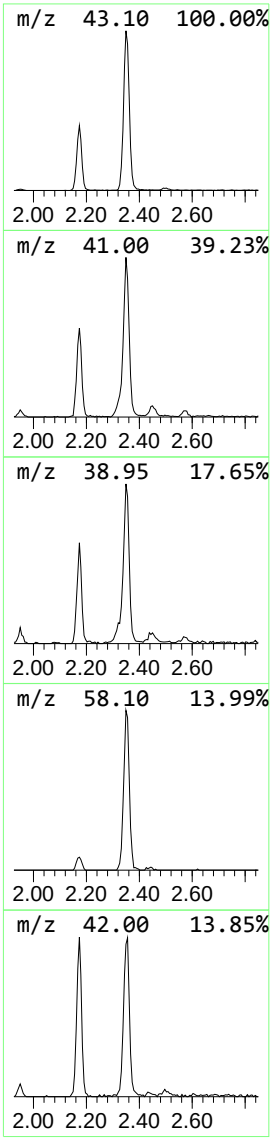
****

Peak Number 2 Butane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.350	16.17 ug/l	585726	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	78
2	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
3	Isobutane	58	C4H10	000075-28-5	9
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
5	Acetone	58	C3H6O	000067-64-1	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

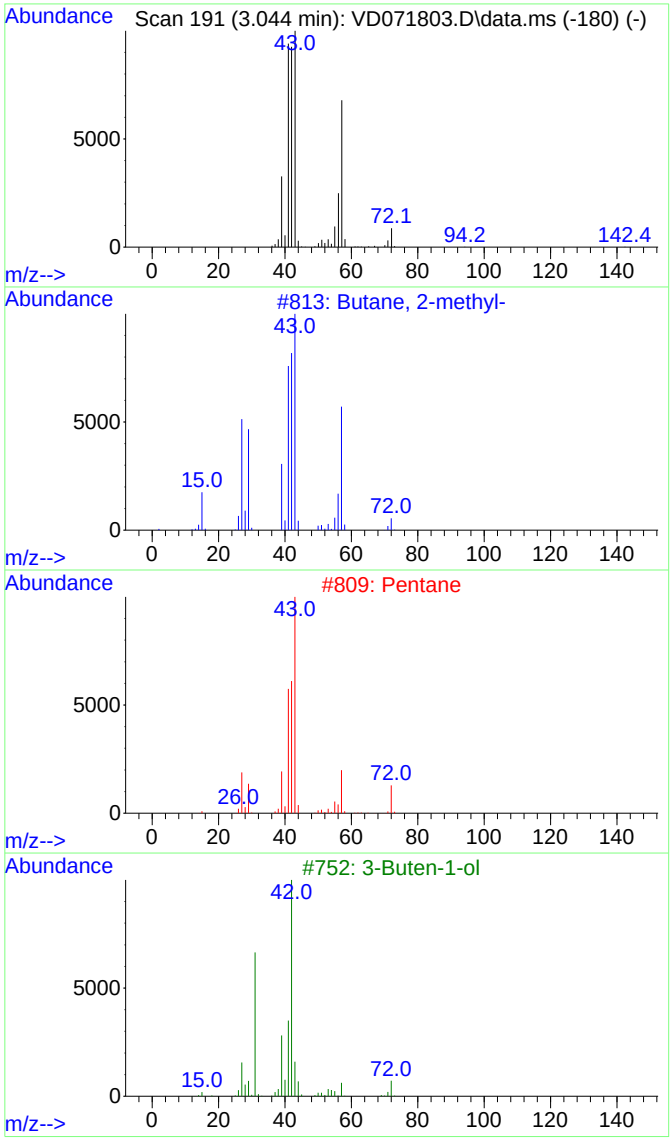
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

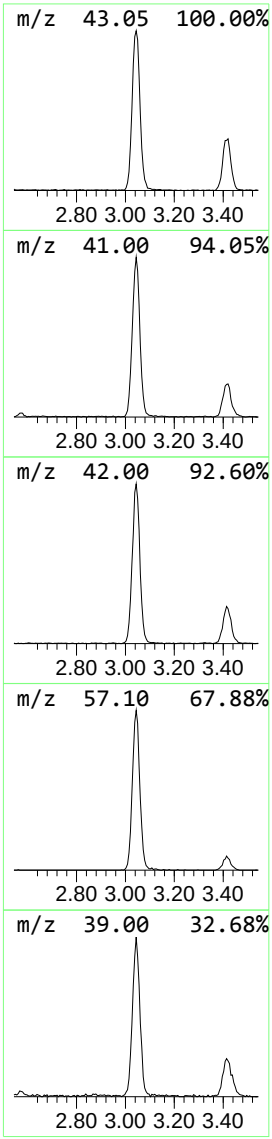
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.044	31.93 ug/l	1156320	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Pentane	72	C5H12	000109-66-0	36
3	3-Buten-1-ol	72	C4H8O	000627-27-0	28
4	1-Butene	56	C4H8	000106-98-9	14
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

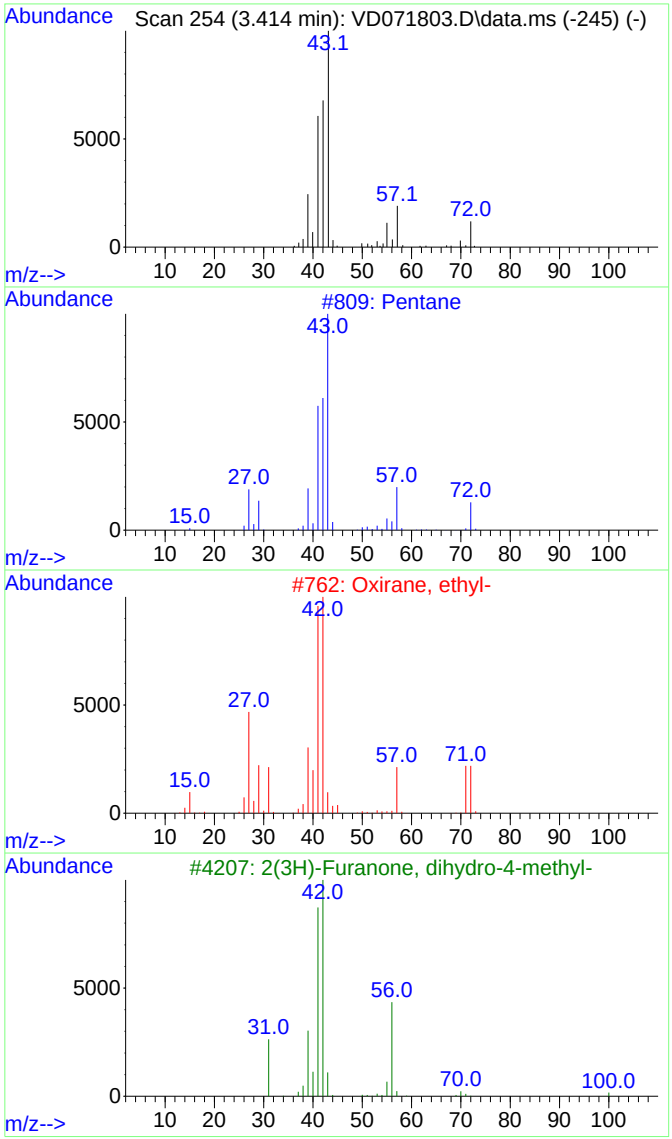
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

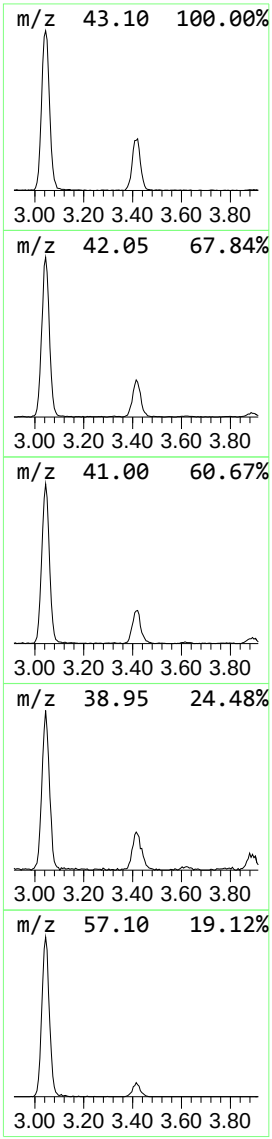
****

Peak Number 4 Pentane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.414	8.18 ug/l	296352	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	59
3	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	40
4	Butane, 2-methyl-	72	C5H12	000078-78-4	39
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

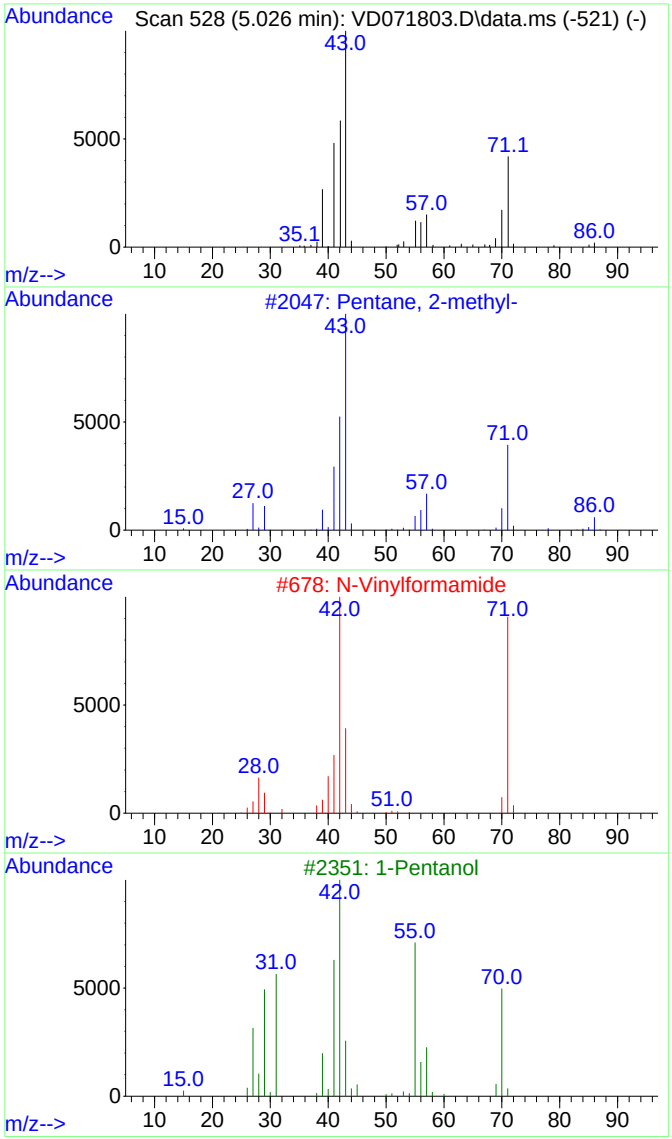
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

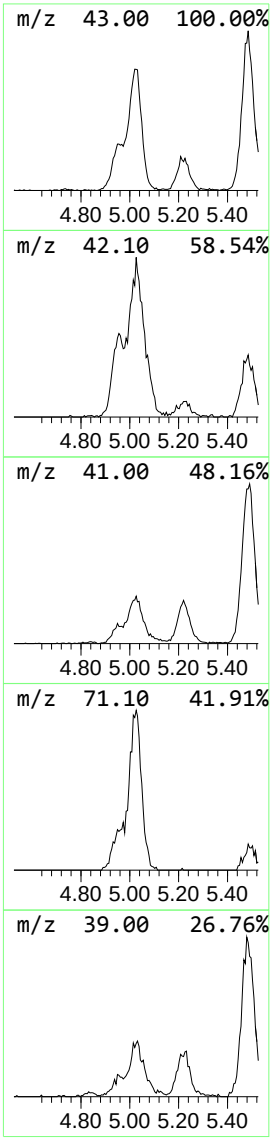
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.026	14.90 ug/l	539645	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	N-Vinylformamide	71	C3H5NO	013162-05-5	38
3	1-Pentanol	88	C5H12O	000071-41-0	38
4	Propanoic acid, 2-methyl-, 2-pro...	128	C7H12O2	015727-77-2	32
5	Cyclopentane	70	C5H10	000287-92-3	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

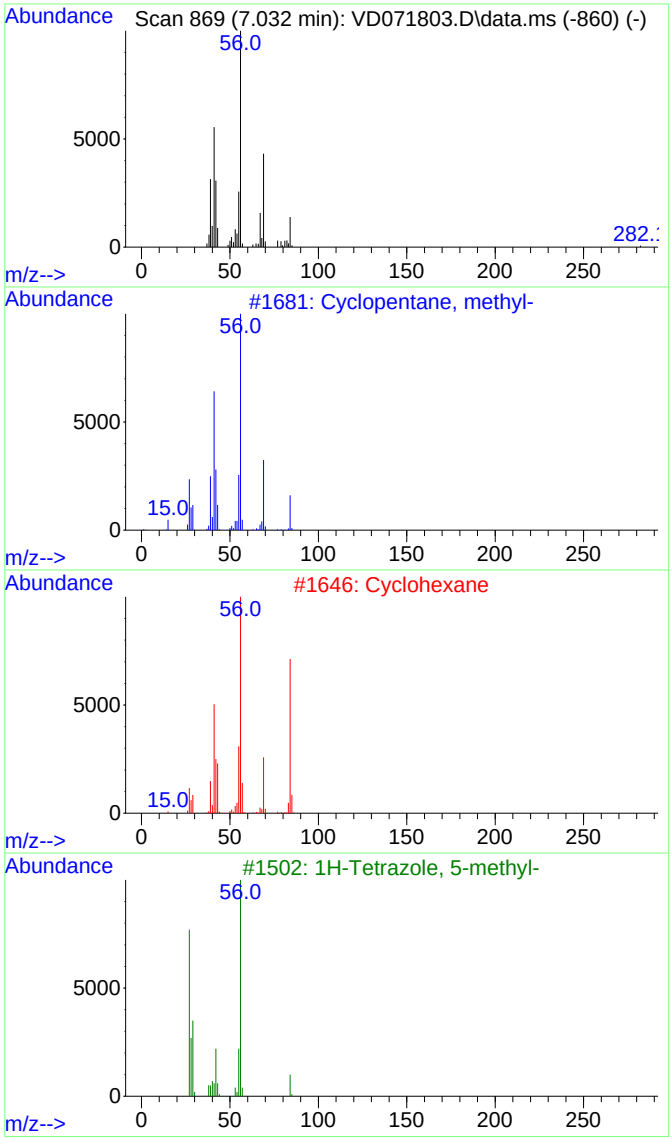
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

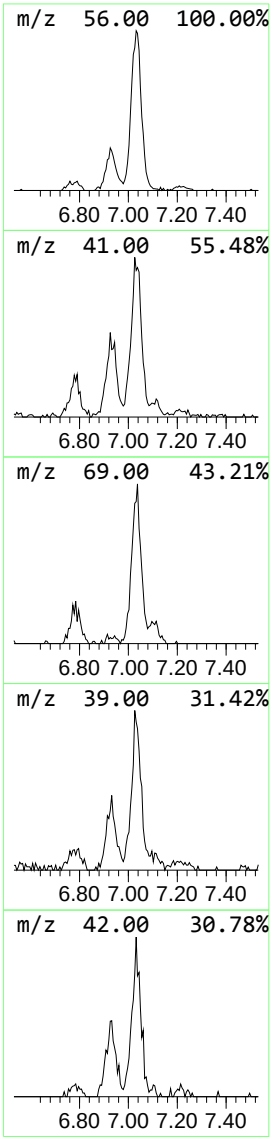
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.032	6.77 ug/l	245036	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
2	Cyclohexane	84	C6H12	000110-82-7	72
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	45
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

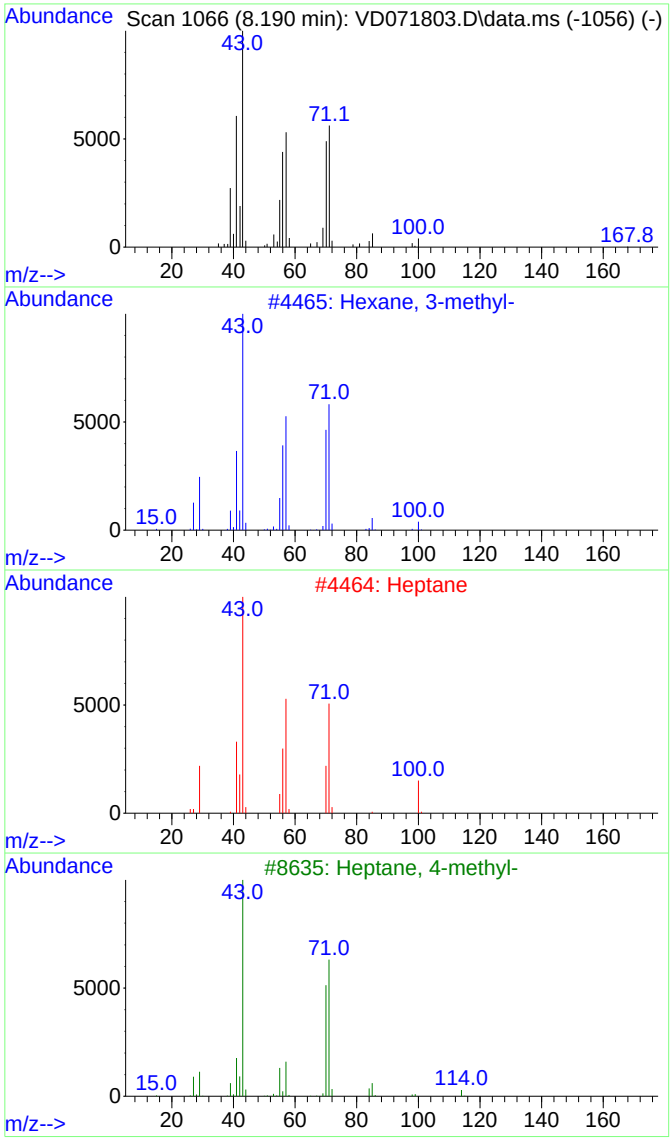
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

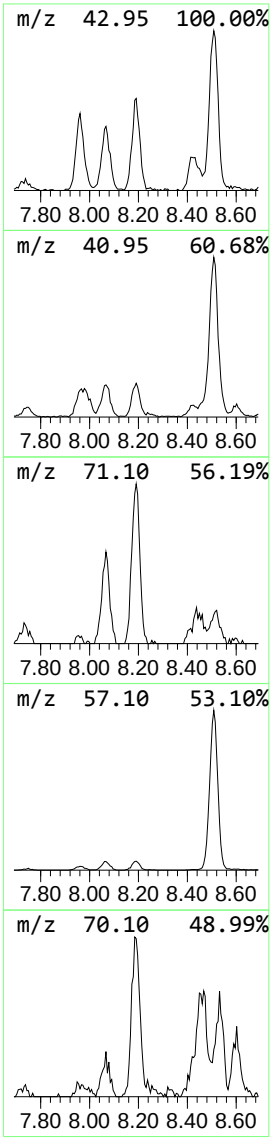
****

Peak Number 7 Hexane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.190	6.19 ug/l	224057	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Heptane	100	C7H16	000142-82-5	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

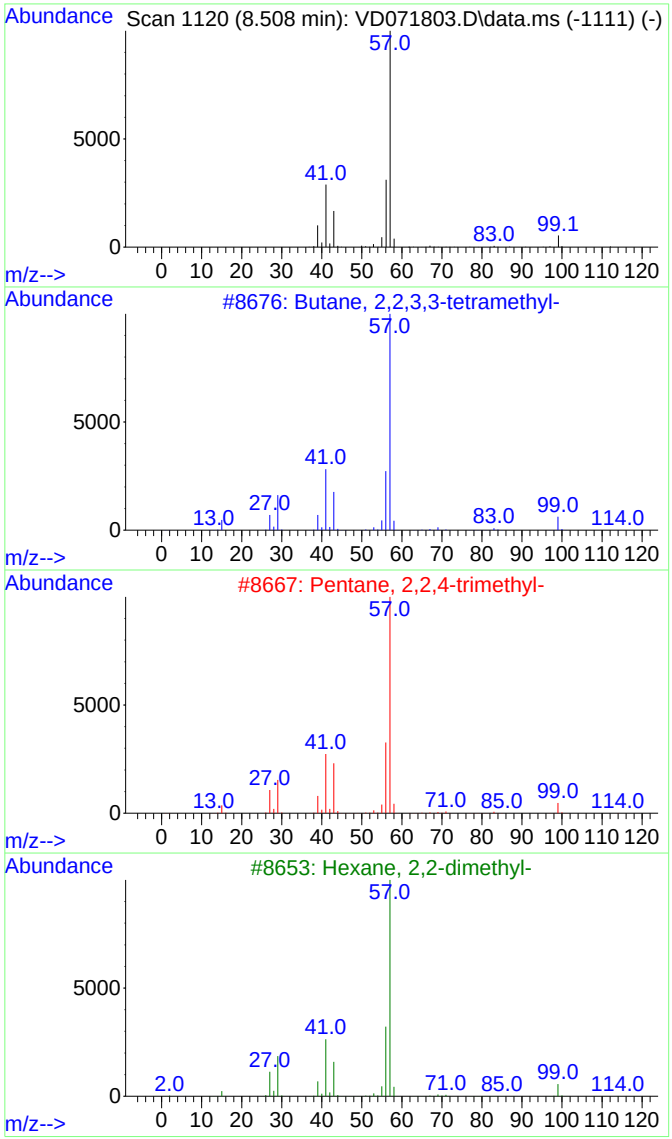
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

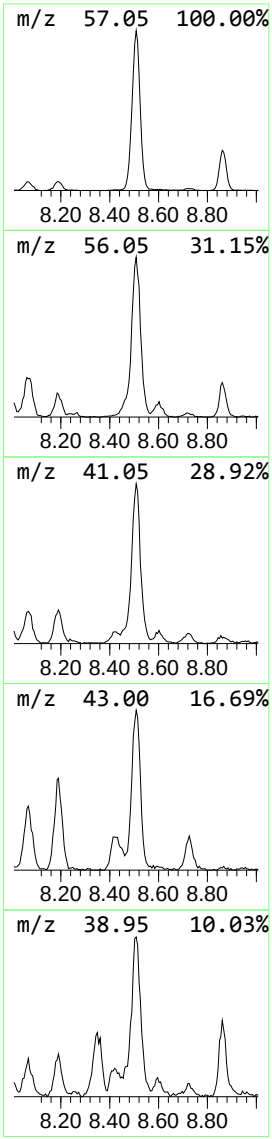
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.508	24.45 ug/l	1156630	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

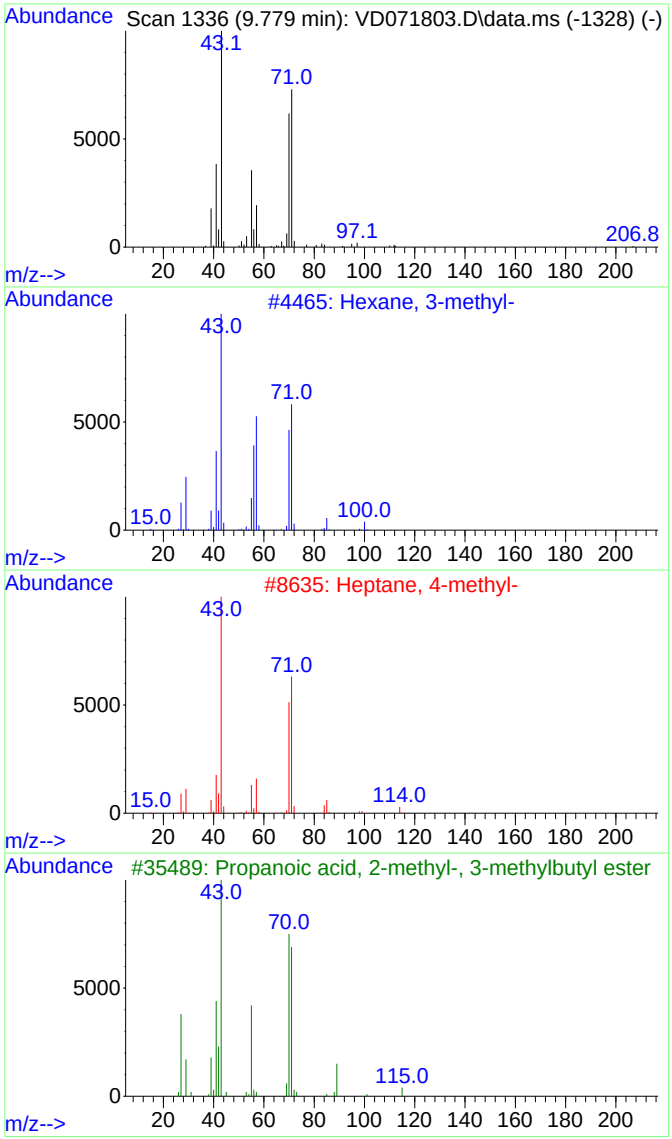
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

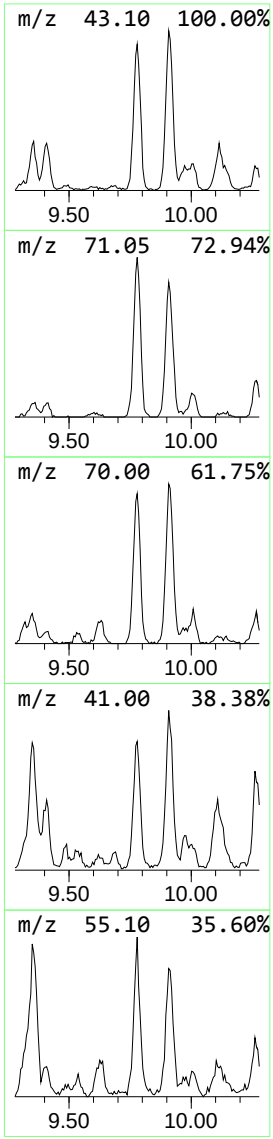
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Heptane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.779	6.64 ug/l	314163	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3	Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	64
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	59
5	Butanoic acid, 3-methylbutyl ester	158	C9H18O2	000106-27-4	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

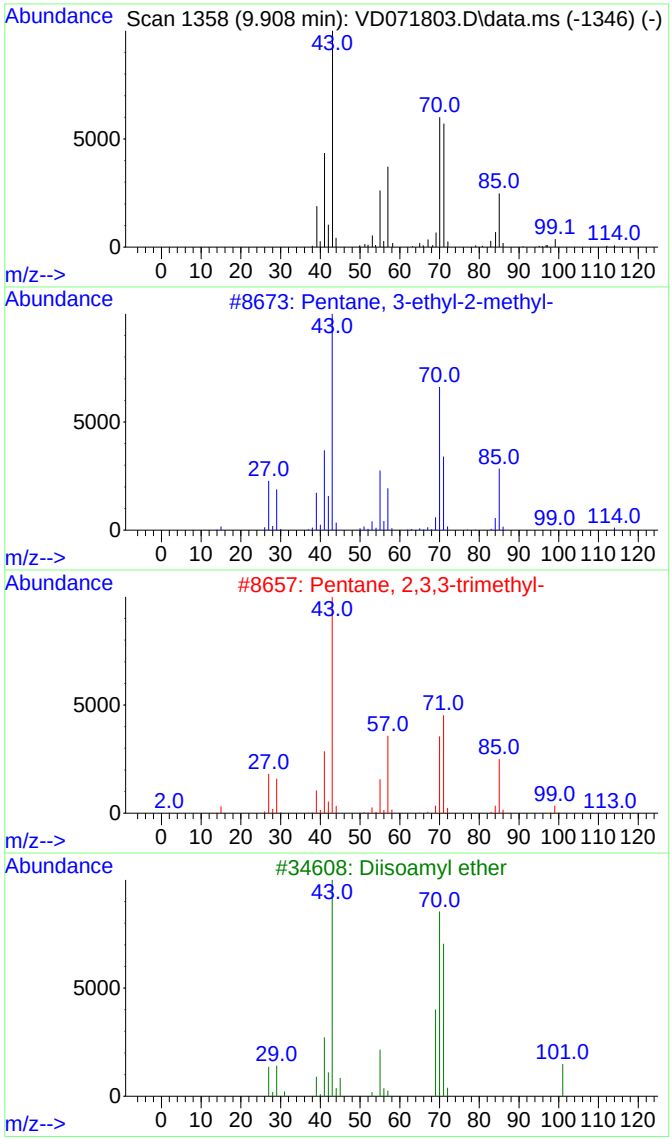
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260

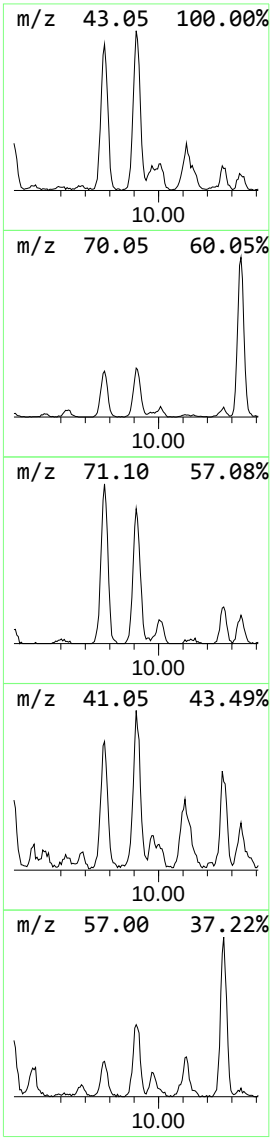
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Pentane, 3-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.908	8.52 ug/l	403144	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	68
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
3	Diisoamyl ether	158	C10H22O	000544-01-4	59
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
Data File : VD071803.D
Acq On : 27 Jan 2022 15:54
Operator : VA/SY
Sample : N1282-05
Misc : 5.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.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
Isobutane	2.173	6.2	ug/l	225424	1	7.979	1811000	50.0
Butane	2.350	16.2	ug/l	585726	1	7.979	1811000	50.0
Butane, 2-methyl-	3.044	31.9	ug/l	1156320	1	7.979	1811000	50.0
Pentane	3.414	8.2	ug/l	296352	1	7.979	1811000	50.0
Pentane, 2-methyl-	5.026	14.9	ug/l	539645	1	7.979	1811000	50.0
Cyclopentane, m...	7.032	6.8	ug/l	245036	1	7.979	1811000	50.0
Hexane, 3-methyl-	8.190	6.2	ug/l	224057	1	7.979	1811000	50.0
Butane, 2,2,3,3...	8.508	24.4	ug/l	1156630	2	8.861	2365570	50.0
Heptane, 4-methyl-	9.779	6.6	ug/l	314163	2	8.861	2365570	50.0
Pentane, 3-ethy...	9.908	8.5	ug/l	403144	2	8.861	2365570	50.0