LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

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\82D112921S.M
Title : SW846 8260

Signal : TIC: VD071399.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.044	183	191	201	rBV	154467	353697	9.47%	1.007%
2	3.415	246	254	264	rVB3	17872	41839	1.12%	0.119%
3	4.138	365	377	392	rVB5	25679	84103	2.25%	0.239%
4	4.962	497	517	520	rBV4	130322	421411	11.29%	1.199%
5	5.020	523	527	543	rVB2	164600	486498	13.03%	1.385%
6	5.491	592	607	623	rBV3	162810	568547	15.23%	1.618%
7	5.997	684	693	703	rBV5	23519	68656	1.84%	0.195%
8	6.767	816	824	834	rVB5	16151	47825	1.28%	0.136%
9	6.926	839	851	861	rBV2	192724	592128	15.86%	1.685%
10	7.032	861	869	881	rVB2	87257	248828	6.66%	0.708%
11	7.732	981	988	997	rVB7	22882	67064	1.80%	0.191%
12	7.914	1009	1019	1023	rBV	454973	1113055	29.81%	3.168%
13	7.973	1023	1029	1037	rVV2	914533	2312994	61.95%	6.583%
14	8.062	1037	1044	1056	rVB	413594	1050663	28.14%	2.990%
15	8.191	1056	1066	1073	rBV	291713	673833	18.05%	1.918%
16	8.326	1080	1089	1099	rVB2	427954	958221	25.66%	2.727%
17	8.503	1102	1119	1130	rVV	968808	2763690	74.02%	7.866%
18	8.597	1130	1135	1144	rVV4	66169	153032	4.10%	0.436%
19	8.720	1146	1156	1164	rVB6	24839	69680	1.87%	0.198%
20	8.861	1169	1180	1192	rBV	1276876	2612454	69.97%	7.435%
21	9.350	1250	1263	1268	rBV	328506	827370	22.16%	2.355%
22	9.403	1268	1272	1280	rVV	229057	440928	11.81%	1.255%
23	9.485	1280	1286	1290	rVV	49165	100315	2.69%	0.286%
24	9.532	1290	1294	1300	rVV4	52720	103559	2.77%	0.295%
25	9.626	1300	1310	1317	rVB5	52773	138220	3.70%	0.393%
26	9.773	1327	1335	1346	rBV	482295	995525	26.66%	2.833%
27	9.908	1347	1358	1365	rVV	616843	1305474	34.96%	3.716%
28	9.973	1365	1369	1371	rVV2	101755	173145	4.64%	0.493%
29	10.003	1371	1374	1382	rVB	123947	234846	6.29%	0.668%
30	10.108	1383	1392	1405	rBV	269891	653683	17.51%	1.860%
31	10.261	1412	1418	1424	rBV	243614	445964	11.94%	1.269%
32	10.338	1424	1431	1443	rVV	2009119	3733840	100.00%	10.627%
33	10.455	1443	1451	1455	rVV5	38072	94836	2.54%	0.270%
34	10.514	1455	1461	1468	rVB5	74627	198945	5.33%	0.566%
35	10.679	1484	1489	1492	rBV5	27882	49881	1.34%	0.142%
36	10.779	1498	1506	1514	rVB8	80648	200352	5.37%	0.570%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

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\82D112921S.M
Title : SW846 8260

37	10.855	1514	1519	1526	rVB2	58799	106761	2.86%	0.304%
38	10.950	1526	1535	1541	rBV3	56569	119305	3.20%	0.340%
39	11.050	1547	1552	1560	rVB2	80698	172823	4.63%	0.492%
40	11.191	1572	1576	1580	rVV2	31452	53565	1.43%	0.152%
41	11.238	1580	1584	1590	rVV3	38315	70711	1.89%	0.201%
42	11.350	1598	1603	1607	rBV2	42830	66390	1.78%	0.189%
43	11.420	1607	1615	1627	rVB2	165274	427770	11.46%	1.217%
44	11.520	1627	1632	1643	rBV2	147572	269371	7.21%	0.767%
45	11.638	1643	1652	1660	rBV	1745596	3089507	82.74%	8.793%
46	11.702	1660	1663	1672	rVB3	40874	82942	2.22%	0.236%
47	11.885	1690	1694	1698	rVB2	52412	74038	1.98%	0.211%
48	12.073	1721	1726	1731	rVB6	31219	54933	1.47%	0.156%
49	12.150	1731	1739	1745	rBV6	49227	100581	2.69%	0.286%
50	12.261	1752	1758	1762	rVB4	46421	80692	2.16%	0.230%
51	12.344	1766	1772	1775	rBV6	23353	44502	1.19%	0.127%
52	12.626	1809	1820	1830	rVB	1320791	2432624	65.15%	6.923%
53	12.767	1838	1844	1846	rBV3	22997	42286	1.13%	0.120%
54	12.944	1865	1874	1881	rBV9	46642	136381	3.65%	0.388%
55	13.385	1941	1949	1950	rBV6	30094	56017	1.50%	0.159%
56	13.567	1972	1980	1986	rVV	1587019	2640689	70.72%	7.516%
57	13.726	2002	2007	2010	rBV3	33883	55724	1.49%	0.159%
58	13.767	2010	2014	2017	rVV2	33380	50763	1.36%	0.144%
59	13.808	2017	2021	2029	rVB2	39029	72535	1.94%	0.206%
60	14.026	2051	2058	2064	rVB10	20424	58526	1.57%	0.167%
61	14.102	2064	2071	2076	rBV2	74322	128620	3.44%	0.366%
62	14.214	2084	2090	2095	rVB3	37047	70617	1.89%	0.201%
63	14.426	2119	2126	2132	rVB7	33288	76292	2.04%	0.217%
64	14.696	2168	2172	2177	rBV4	23574	37949	1.02%	0.108%
65	14.820	2185	2193	2197	rBV7	29667	77805	2.08%	0.221%

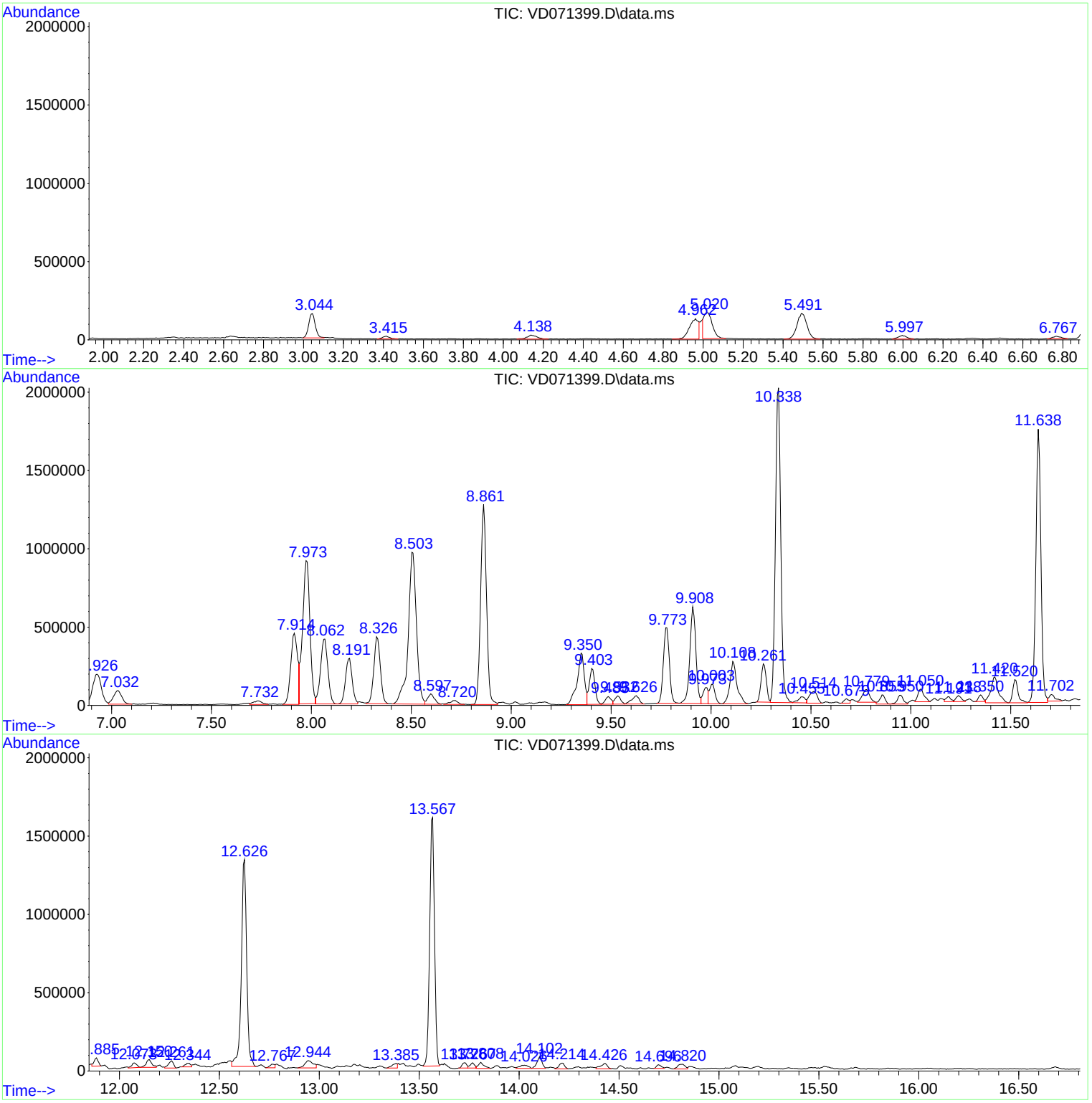
Sum of corrected areas: 35135820

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

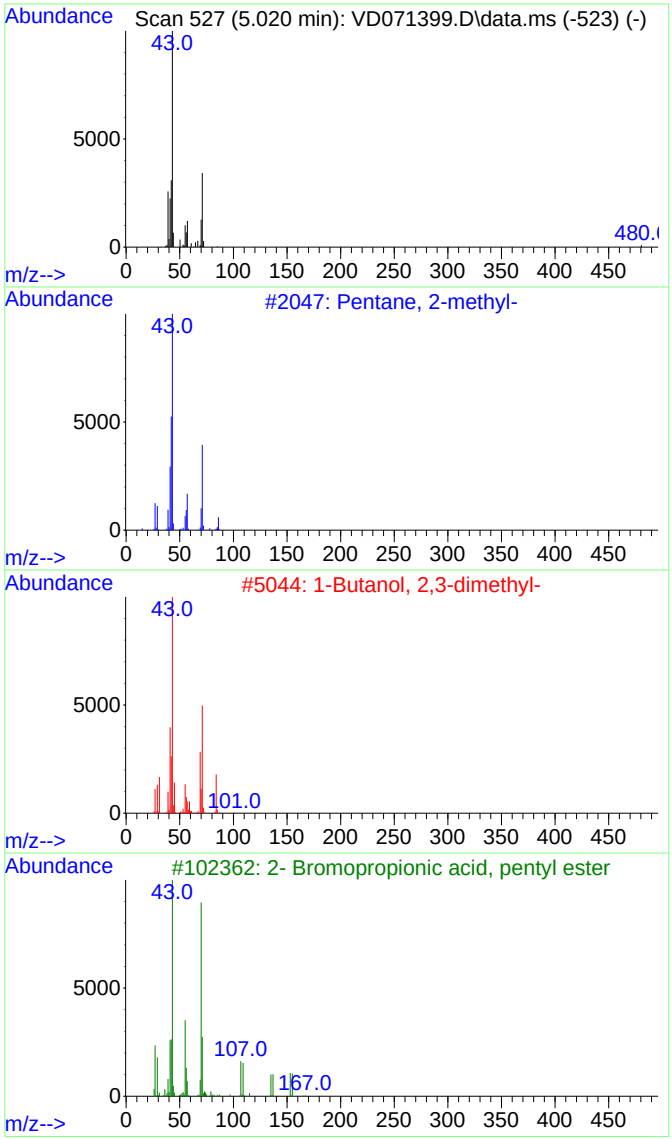
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

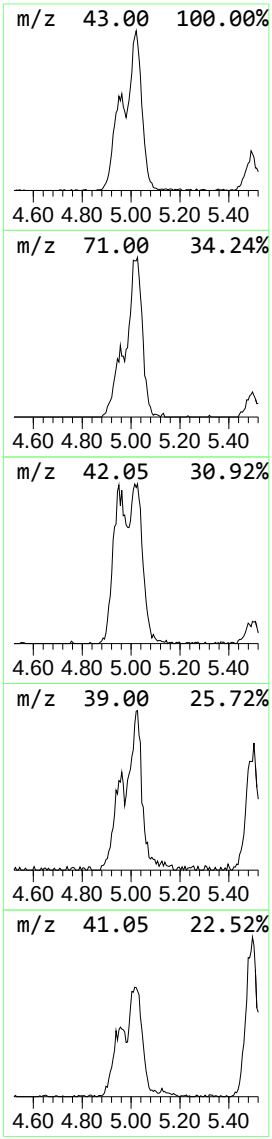
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.020	10.52 ug/l	486498	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
2	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	40
3	2- Bromopropionic acid, pentyl e...	222	C8H15BrO2	086711-73-1	38
4	Pyrrolidine	71	C4H9N	000123-75-1	37
5	Pentane, 1-propoxy-	130	C8H18O	018641-82-2	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

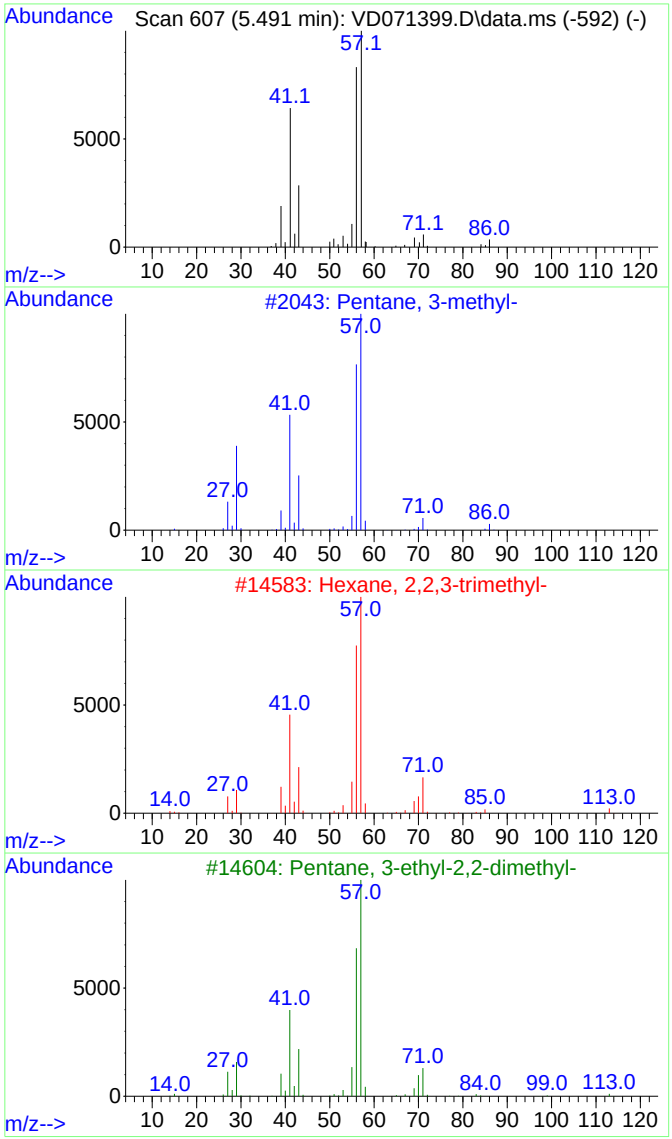
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

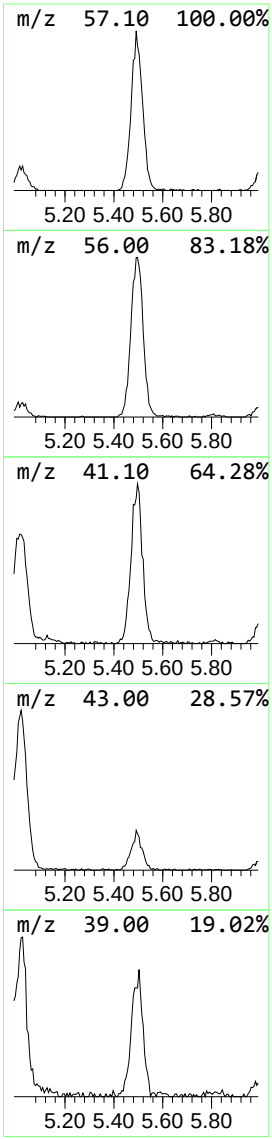
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.491	12.29 ug/l	568547	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	42
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

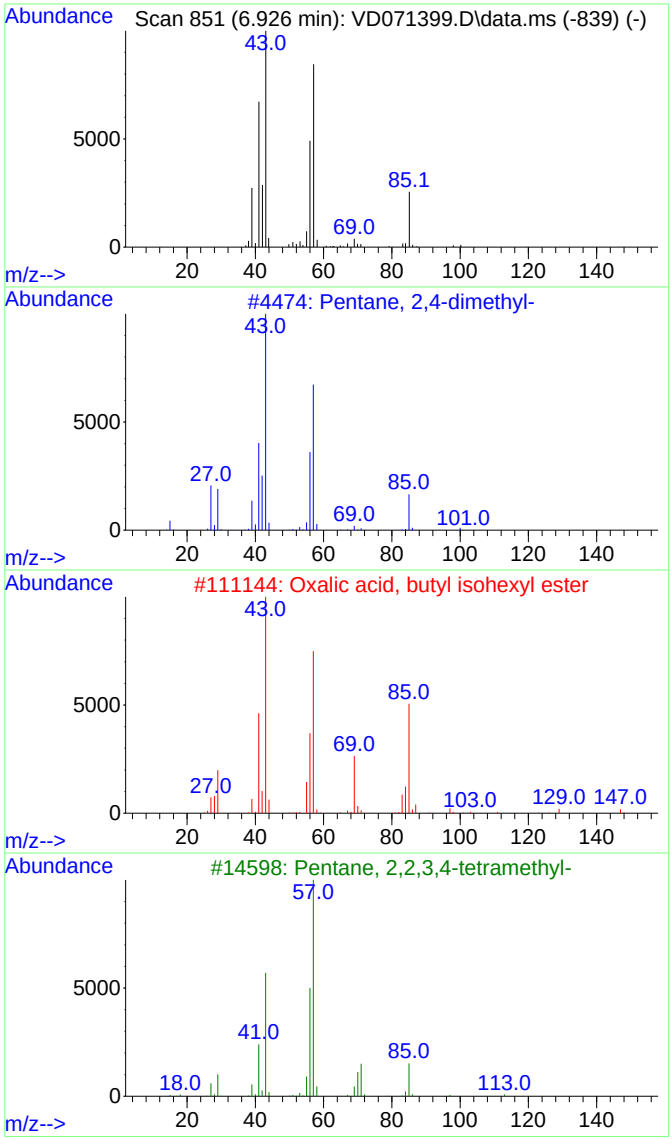
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

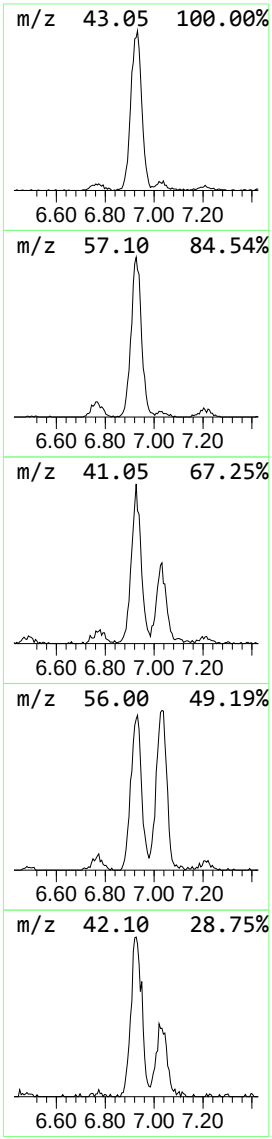
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.926	12.80 ug/l	592128	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
2	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	64
4	n-Hexane	86	C6H14	000110-54-3	53
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

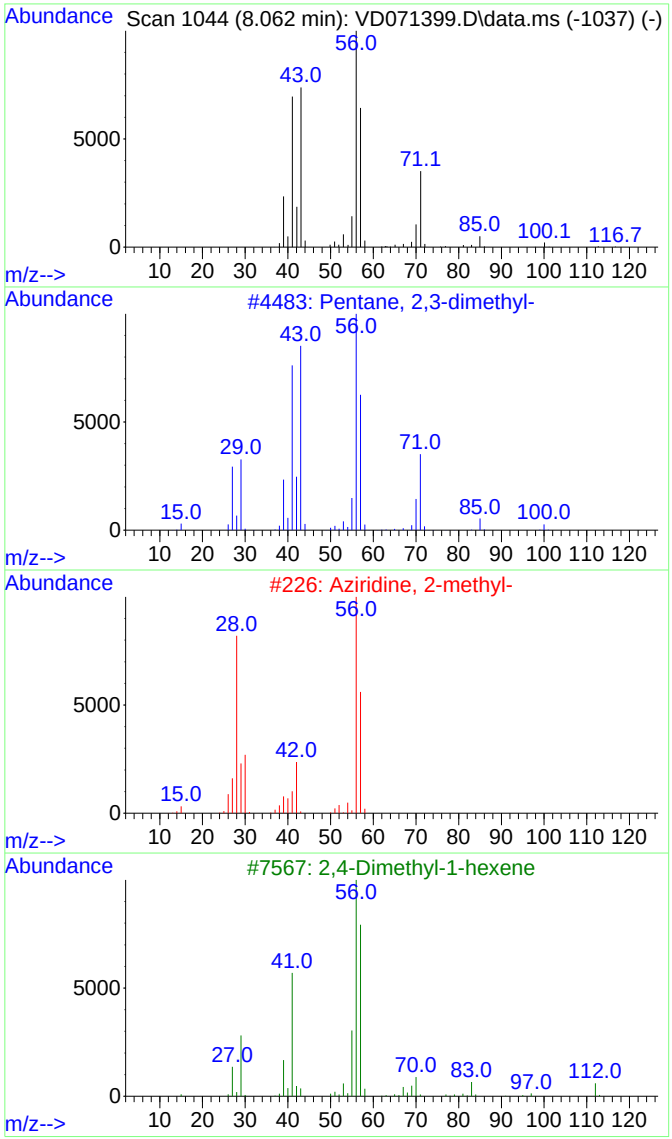
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

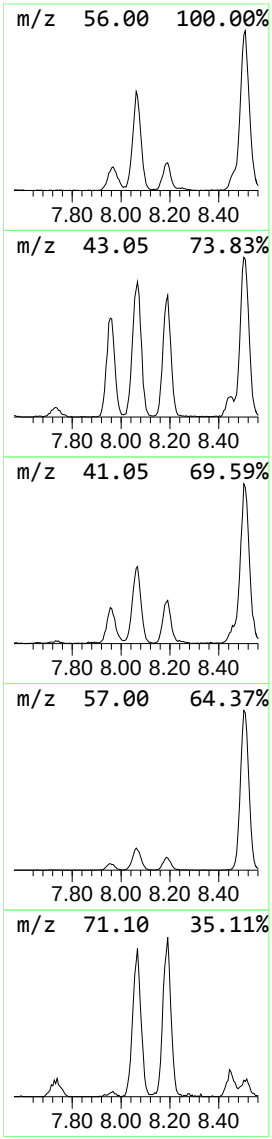
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.062	22.71 ug/l	1050660	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	47
3	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	40
4	Pentanal, 3-methyl-	100	C6H12O	015877-57-3	38
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

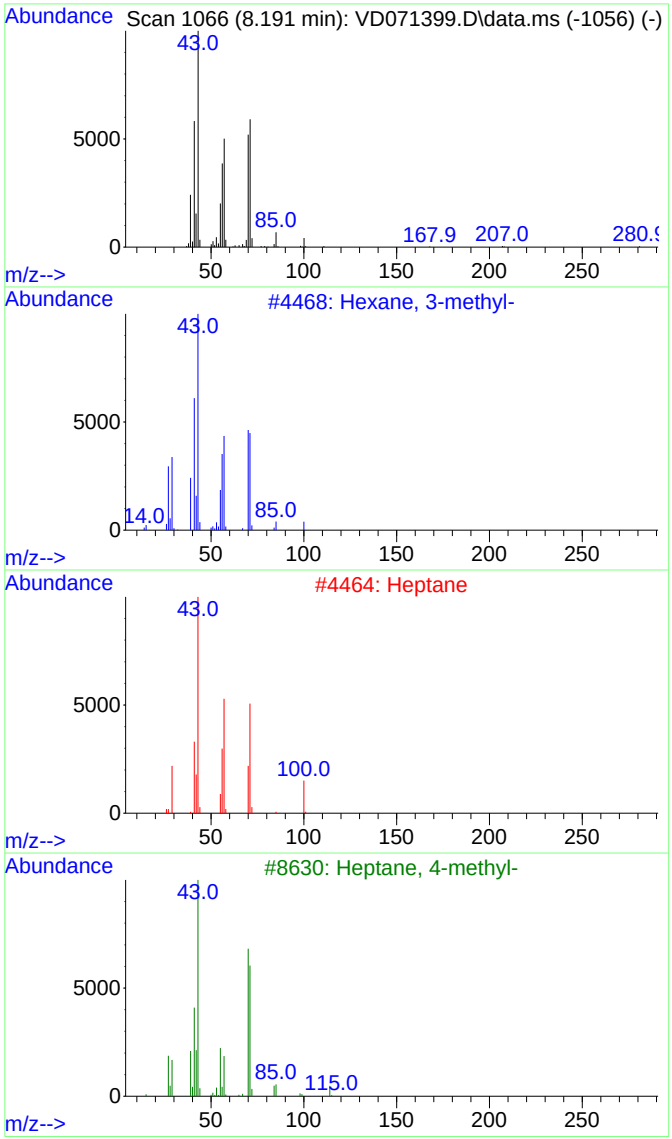
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

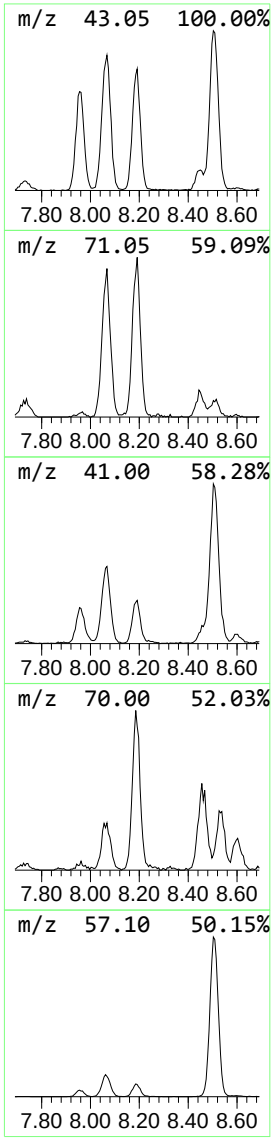
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.191	14.57 ug/l	673833	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	53
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

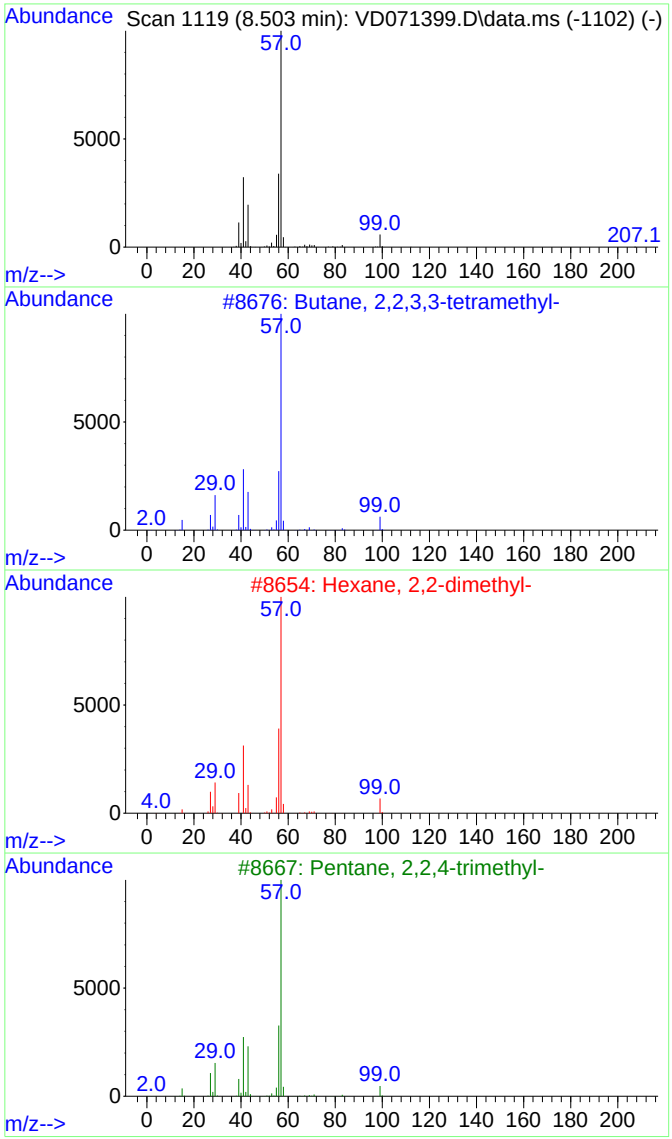
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

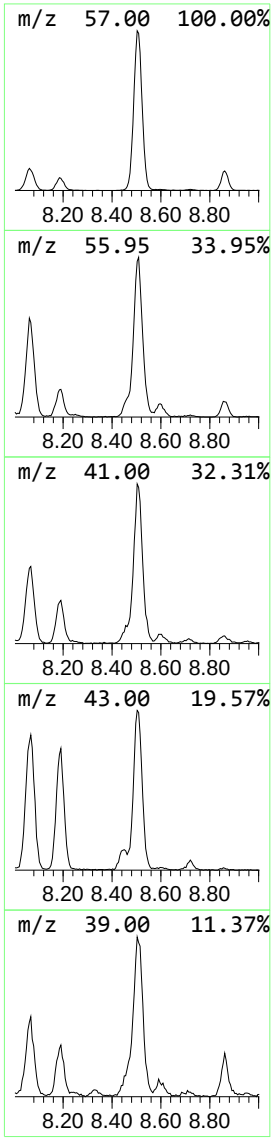
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.503	52.89 ug/l	2763690	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	83
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	64
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

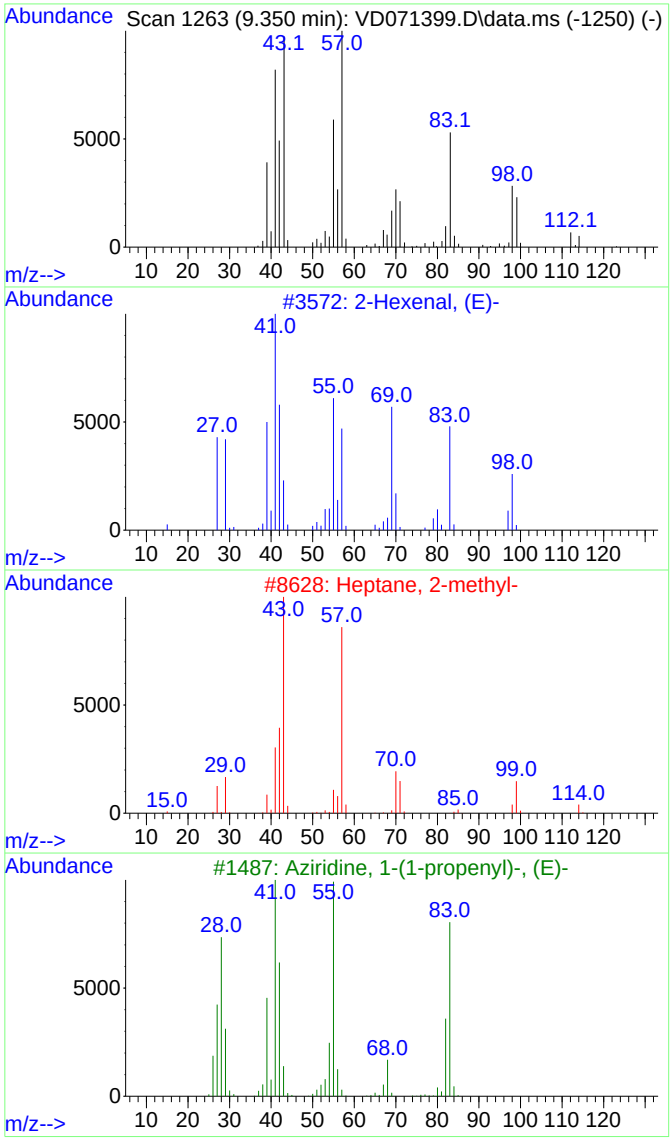
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

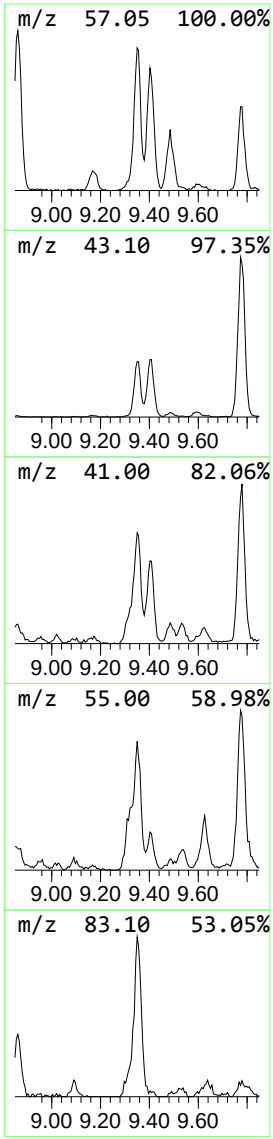
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2-Hexenal, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.350	15.84 ug/l	827370	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexenal, (E)-	98	C6H10O	006728-26-3	52
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	46
3	Aziridine, 1-(1-propenyl)-, (E)-	83	C5H9N	080839-91-4	43
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	43
5	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	30





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Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

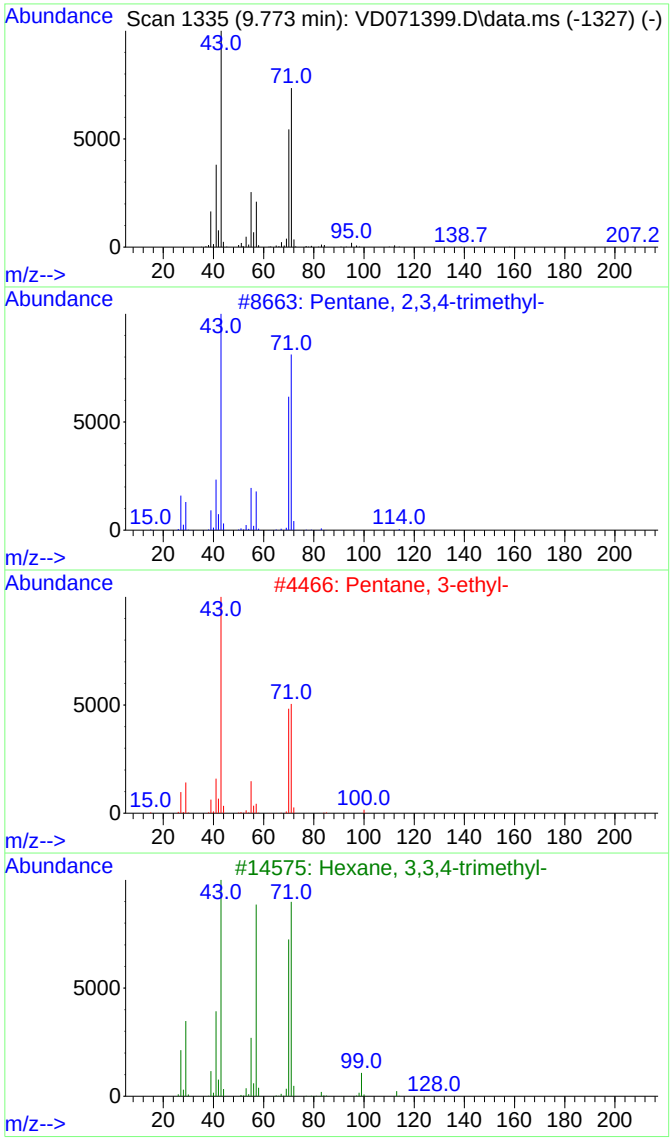
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

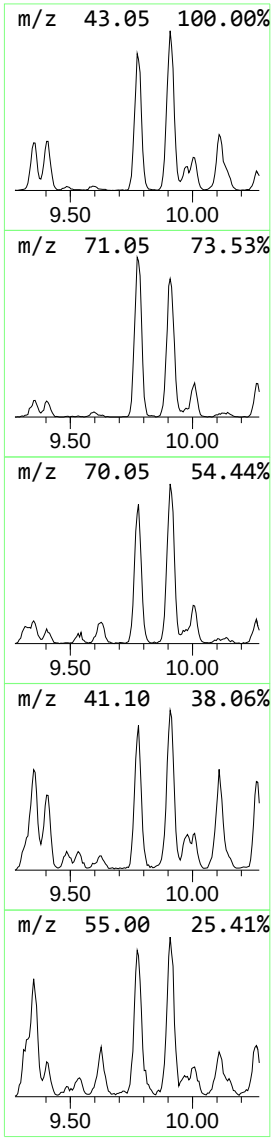
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pentane, 2,3,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.773	19.05 ug/l	995525	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	74
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	72
5	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

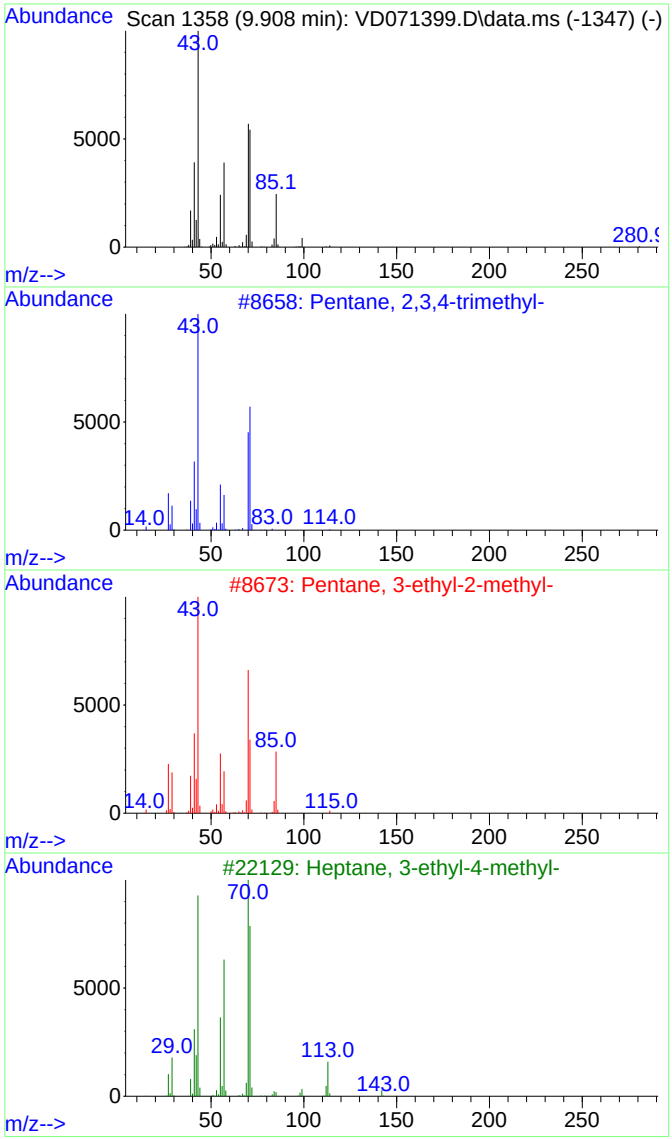
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

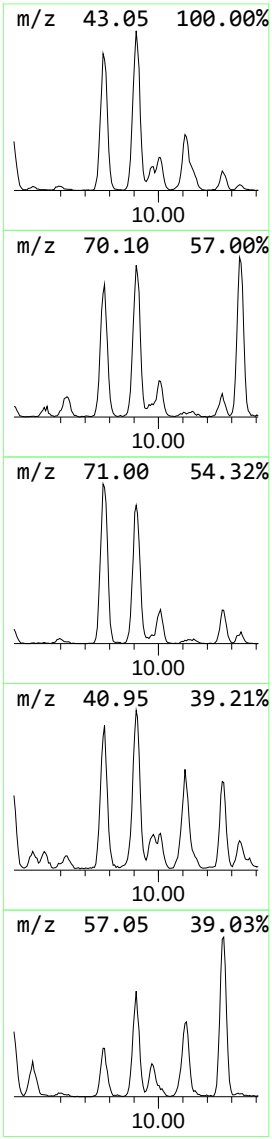
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Pentane, 3-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.908	24.99 ug/l	1305470	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	74
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
3	Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	59
4	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	53
5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

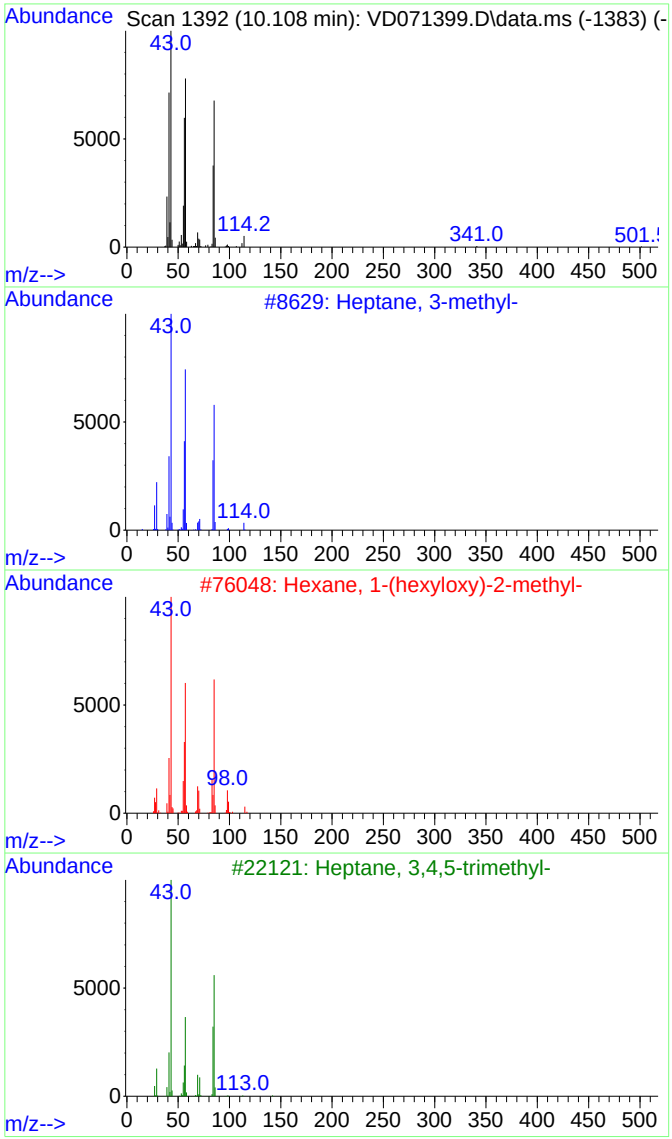
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

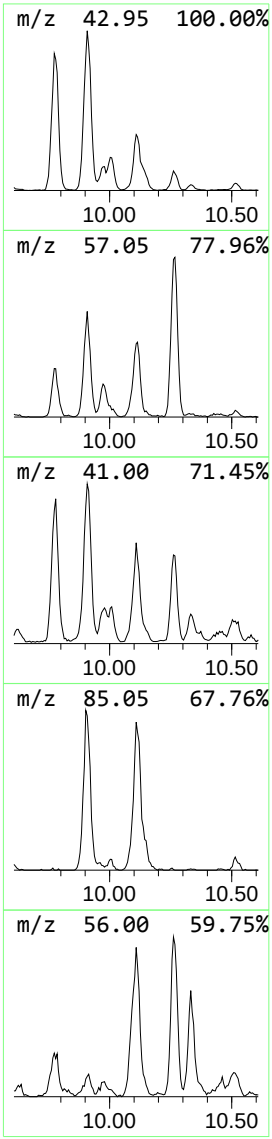
****

Peak Number 10 Heptane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.108	12.51 ug/l	653683	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	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	72
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
4	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	59
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071399.D
Acq On : 20 Dec 2021 20:11
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.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, 2-methyl-	5.020	10.5	ug/l	486498	1	7.979	2312990	50.0
Pentane, 3-methyl-	5.491	12.3	ug/l	568547	1	7.979	2312990	50.0
Pentane, 2,4-di...	6.926	12.8	ug/l	592128	1	7.979	2312990	50.0
Pentane, 2,3-di...	8.062	22.7	ug/l	1050660	1	7.979	2312990	50.0
Hexane, 3-methyl-	8.191	14.6	ug/l	673833	1	7.979	2312990	50.0
Butane, 2,2,3,3...	8.503	52.9	ug/l	2763690	2	8.861	2612450	50.0
2-Hexenal, (E)-	9.350	15.8	ug/l	827370	2	8.861	2612450	50.0
Pentane, 2,3,4-...	9.773	19.1	ug/l	995525	2	8.861	2612450	50.0
Pentane, 3-ethy...	9.908	25.0	ug/l	1305470	2	8.861	2612450	50.0
Heptane, 3-methyl-	10.108	12.5	ug/l	653683	2	8.861	2612450	50.0