LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

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_Y\methods\82Y051021S.M
Title : SW846 8260

Signal : TIC: VY004897.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.076	38	42	48	rVB	32808	45493	1.10%	0.182%
2	2.912	170	179	201	rVB	405583	903225	21.81%	3.611%
3	3.954	336	350	369	rBV3	63384	213760	5.16%	0.855%
4	4.710	461	474	482	rBV	140736	555900	13.43%	2.222%
5	5.253	547	563	583	rBV	96372	348752	8.42%	1.394%
6	5.759	632	646	659	rBV2	27177	85157	2.06%	0.340%
7	6.539	760	774	787	rBV2	32171	109422	2.64%	0.437%
8	6.698	787	800	810	rBV	198507	628747	15.18%	2.513%
9	6.801	810	817	826	rVB2	44912	133872	3.23%	0.535%
10	6.990	838	848	859	rVB5	20342	67533	1.63%	0.270%
11	7.539	924	938	949	rVB2	40456	119308	2.88%	0.477%
12	7.728	958	969	973	rBV	147056	358086	8.65%	1.431%
13	7.795	973	980	987	rVV2	303697	820423	19.81%	3.280%
14	7.880	987	994	1006	rVB	317248	783748	18.93%	3.133%
15	8.008	1006	1015	1021	rBV	147079	344858	8.33%	1.379%
16	8.063	1021	1024	1031	rVV2	31760	65404	1.58%	0.261%
17	8.155	1031	1039	1050	rVV3	246238	662566	16.00%	2.649%
18	8.331	1050	1068	1078	rVV	1551158	4140776	100.00%	16.553%
19	8.423	1078	1083	1094	rVB2	38238	87852	2.12%	0.351%
20	8.551	1094	1104	1119	rVB	54095	116944	2.82%	0.467%
21	8.697	1119	1128	1141	rBV	409273	811224	19.59%	3.243%
22	9.191	1194	1209	1214	rBV3	235440	613010	14.80%	2.451%
23	9.246	1214	1218	1225	rVV	188585	345693	8.35%	1.382%
24	9.325	1225	1231	1236	rVV	100754	209732	5.07%	0.838%
25	9.374	1236	1239	1245	rVV2	21957	43238	1.04%	0.173%
26	9.465	1245	1254	1261	rVB2	66546	146565	3.54%	0.586%
27	9.618	1271	1279	1288	rVB	742735	1442689	34.84%	5.767%
28	9.752	1288	1301	1308	rBV	955449	1990606	48.07%	7.958%
29	9.825	1308	1313	1316	rVV	73071	146563	3.54%	0.586%
30	9.856	1316	1318	1325	rVB3	43557	64997	1.57%	0.260%
31	9.959	1325	1335	1348	rVB3	97343	308350	7.45%	1.233%
32	10.112	1348	1360	1365	rBV2	114523	235882	5.70%	0.943%
33	10.185	1365	1372	1379	rVV	755642	1379514	33.32%	5.515%
34	10.246	1379	1382	1388	rVV	79003	139501	3.37%	0.558%
35	10.307	1388	1392	1395	rVV4	25982	46292	1.12%	0.185%
36	10.374	1395	1403	1410	rVB4	83989	223287	5.39%	0.893%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

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_Y\methods\82Y051021S.M
Title : SW846 8260

37	10.526	1423	1428	1436	rVB	65675	109773	2.65%	0.439%
38	10.611	1436	1442	1453	rVV4	85791	215820	5.21%	0.863%
39	11.093	1516	1521	1526	rVB	35284	62657	1.51%	0.250%
40	11.294	1548	1554	1564	rVB5	28940	83761	2.02%	0.335%
41	11.495	1580	1587	1593	rBV	611666	1000012	24.15%	3.998%
42	11.593	1597	1603	1613	rVB	362789	598076	14.44%	2.391%
43	11.703	1613	1621	1633	rBV	255048	519741	12.55%	2.078%
44	12.032	1664	1675	1683	rBV	110610	212885	5.14%	0.851%
45	12.331	1718	1724	1729	rBV	26727	41424	1.00%	0.166%
46	12.483	1740	1749	1758	rBV	448826	711681	17.19%	2.845%
47	12.672	1767	1780	1785	rBV	47886	88286	2.13%	0.353%
48	12.739	1785	1791	1794	rVV	82851	140618	3.40%	0.562%
49	12.770	1794	1796	1799	rVV	38927	49494	1.20%	0.198%
50	12.812	1799	1803	1815	rVB	224006	341948	8.26%	1.367%
51	12.977	1822	1830	1837	rBV	163037	255538	6.17%	1.022%
52	13.123	1848	1854	1860	rBV	265059	381057	9.20%	1.523%
53	13.428	1897	1904	1907	rBV	567014	907705	21.92%	3.629%
54	13.459	1907	1909	1918	rVB	222929	278775	6.73%	1.114%
55	13.629	1933	1937	1940	rVV2	61077	97334	2.35%	0.389%
56	13.666	1940	1943	1952	rVB2	49993	81259	1.96%	0.325%
57	13.977	1988	1994	2000	rVB	31039	50325	1.22%	0.201%
58	14.080	2006	2011	2017	rBV	31783	48111	1.16%	0.192%

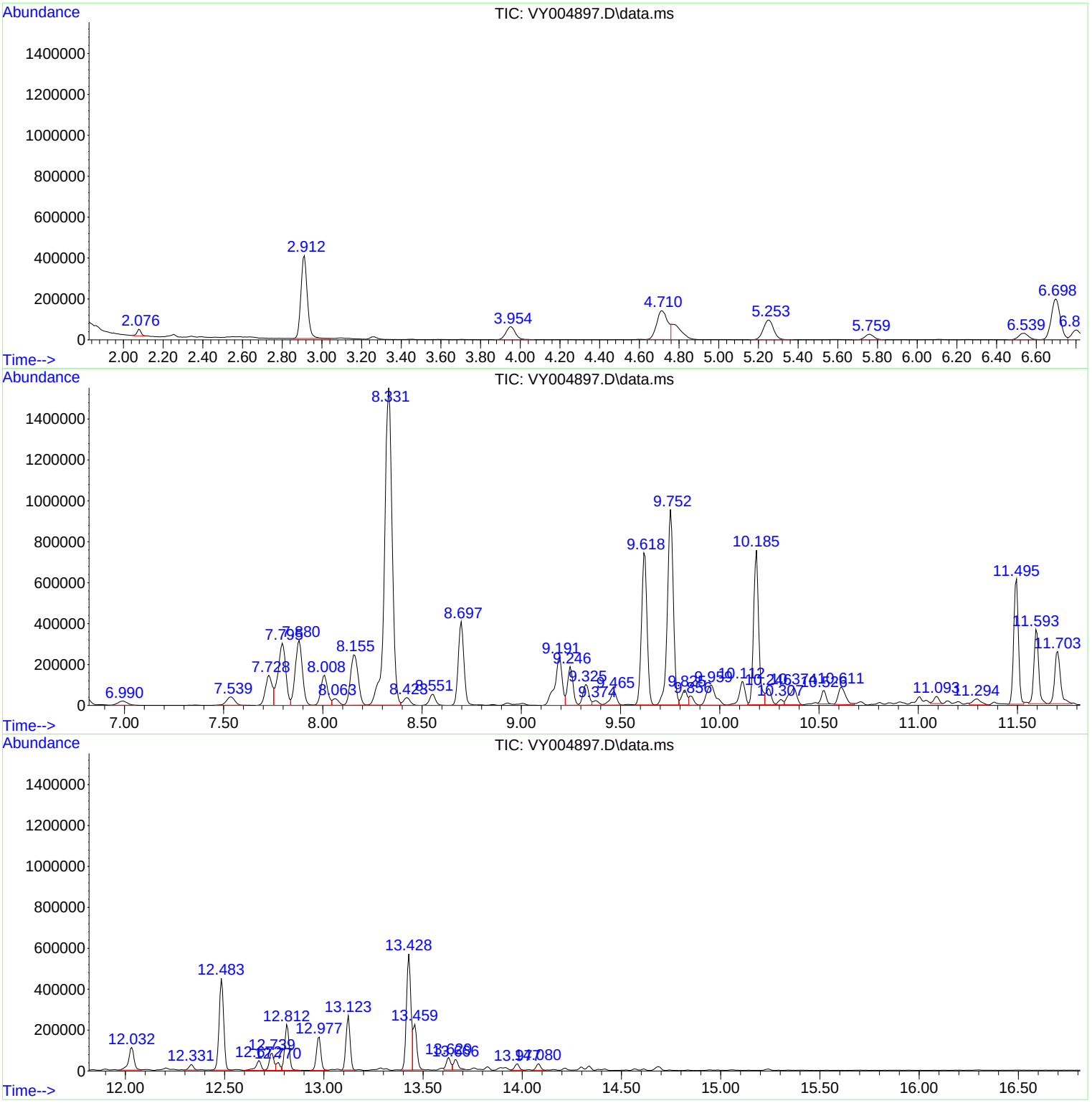
Sum of corrected areas: 25015249

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

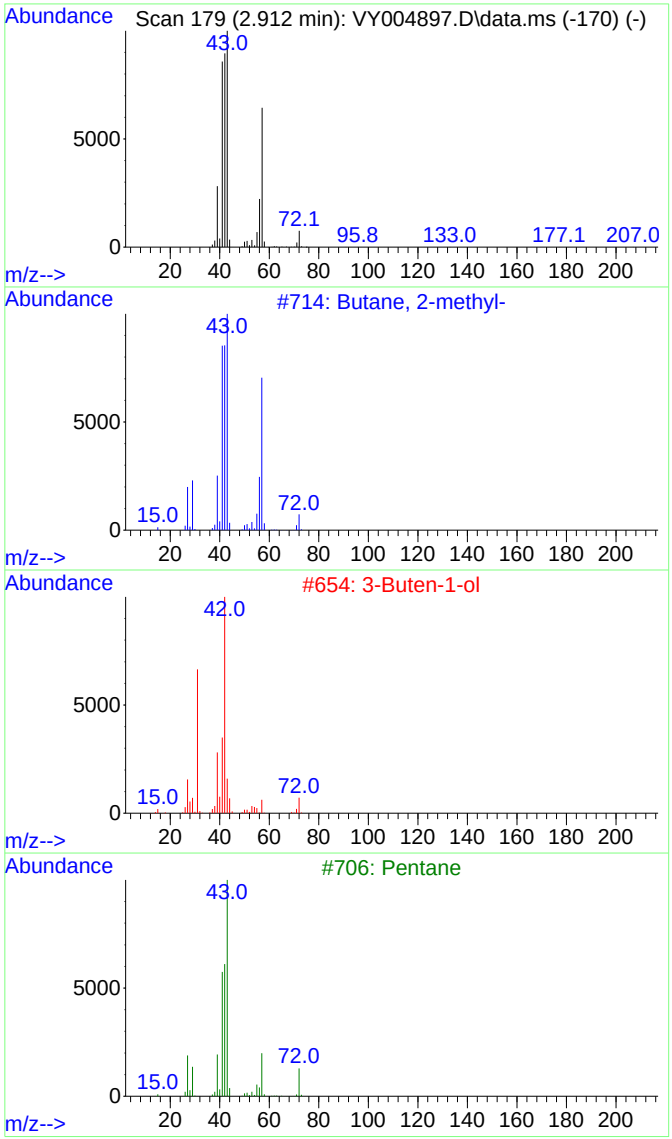
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

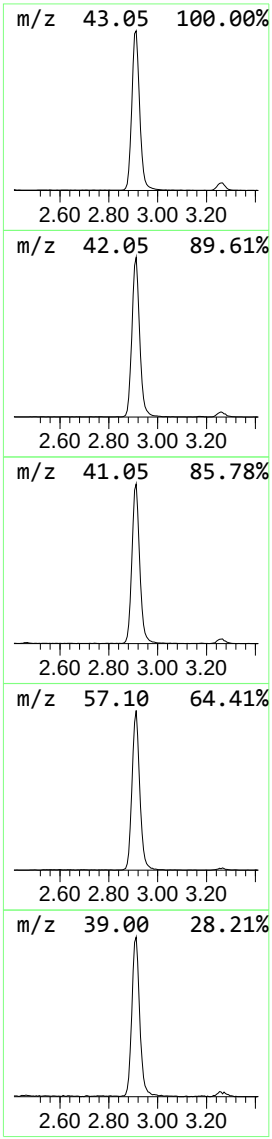
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.912	55.05 ug/l	903225	Pentafluorobenzene	7.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	43
3	Pentane	72	C5H12	000109-66-0	36
4	1-Butene	56	C4H8	000106-98-9	10
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

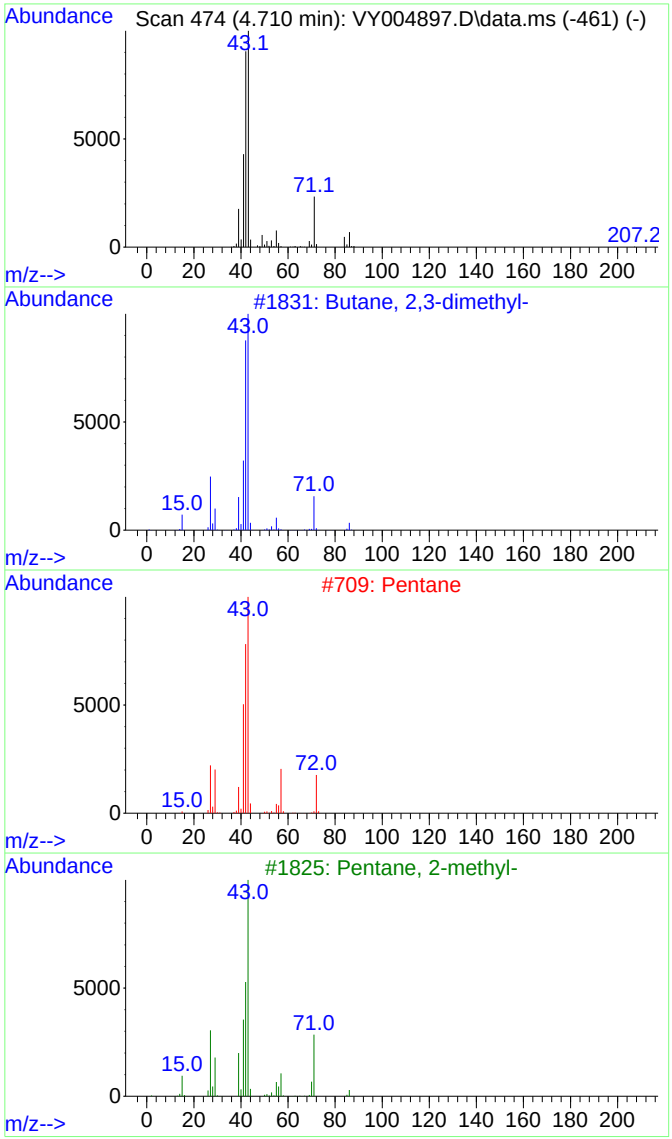
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

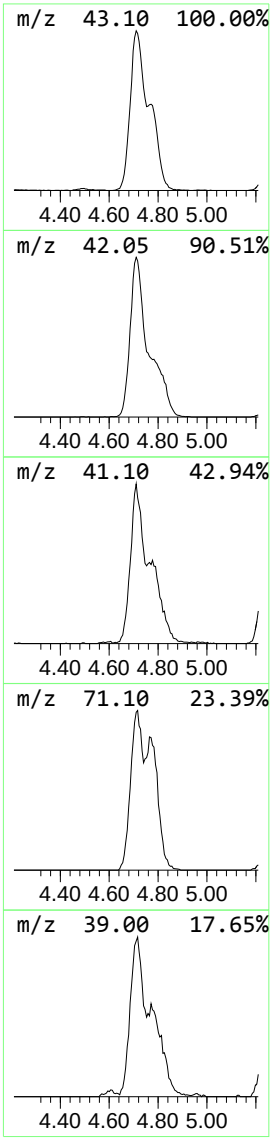
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.710	33.88 ug/l	555900	Pentafluorobenzene	7.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Pentane	72	C5H12	000109-66-0	36
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	28
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	9
5	Ethenamine, N-methyl-N-nitroso-	86	C3H6N2O	004549-40-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-4

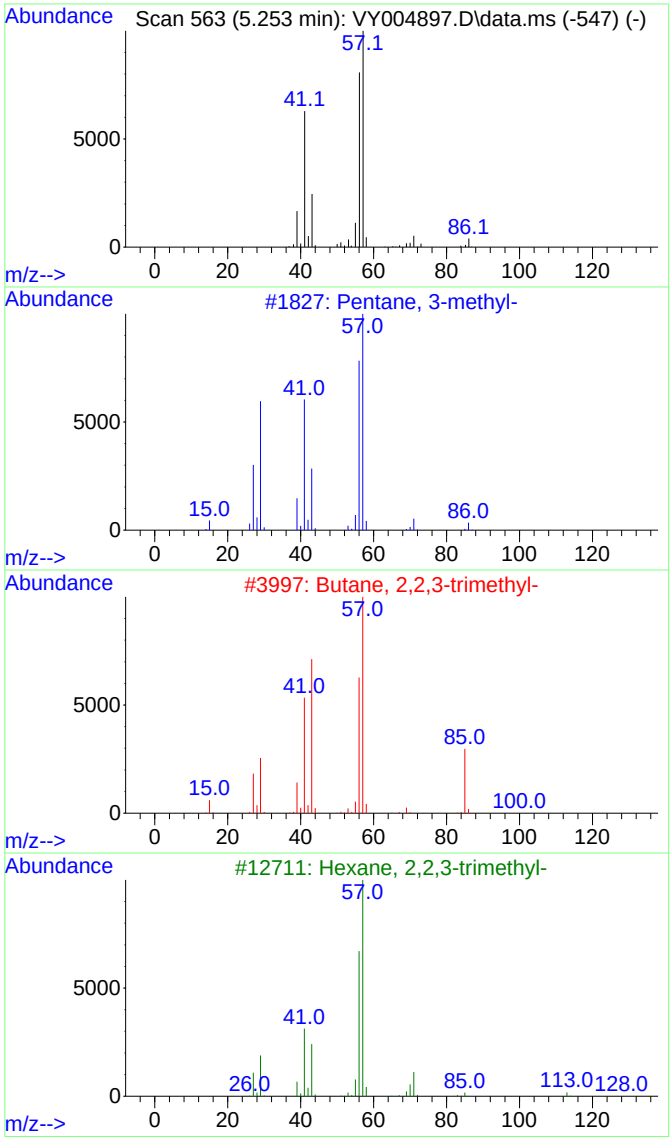
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

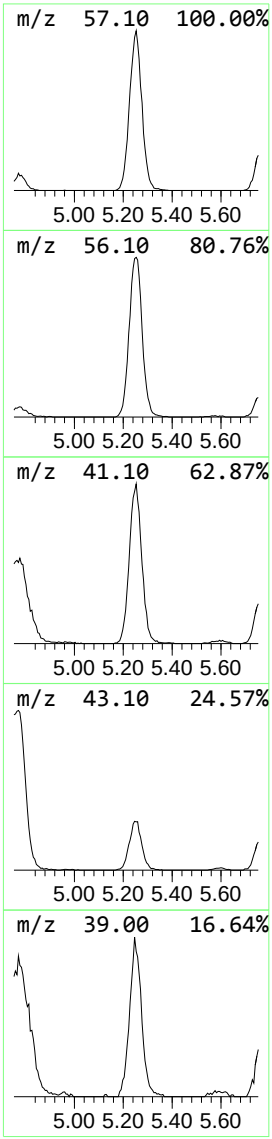
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.253	21.25 ug/l	348752	Pentafluorobenzene	7.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
5	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

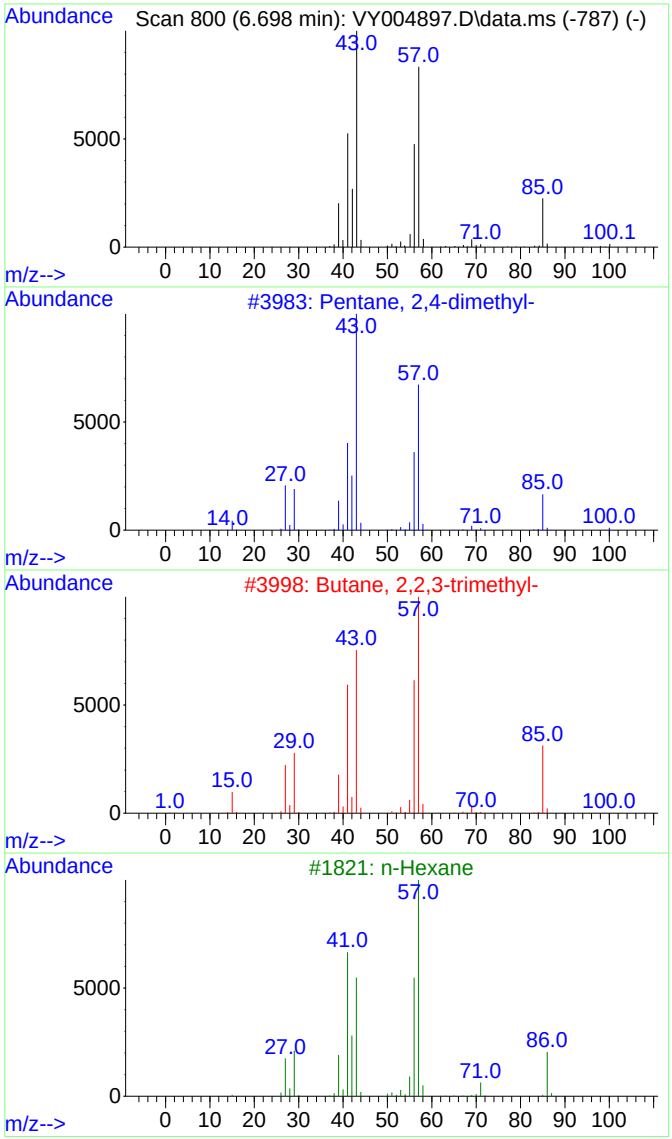
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

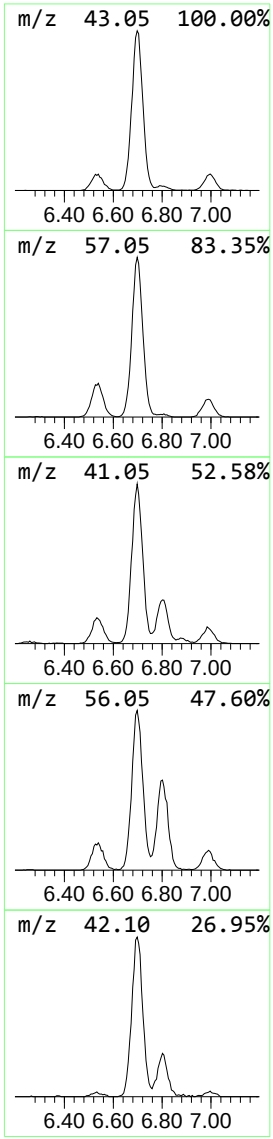
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.698	38.32 ug/l	628747	Pentafluorobenzene	7.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
3	n-Hexane	86	C6H14	000110-54-3	53
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

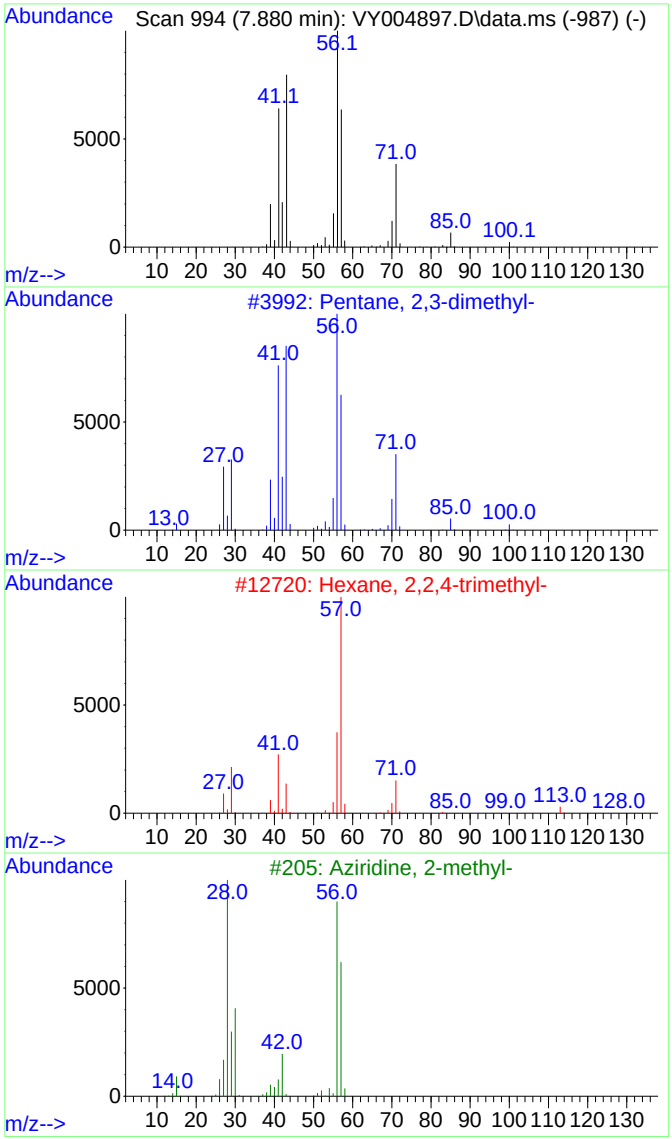
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

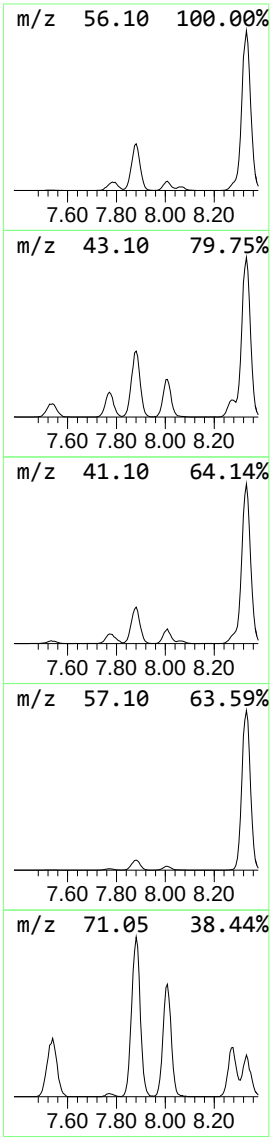
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Pentane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.880	47.76 ug/l	783748	Pentafluorobenzene	7.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	45
3	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	43
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	43
5	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-4

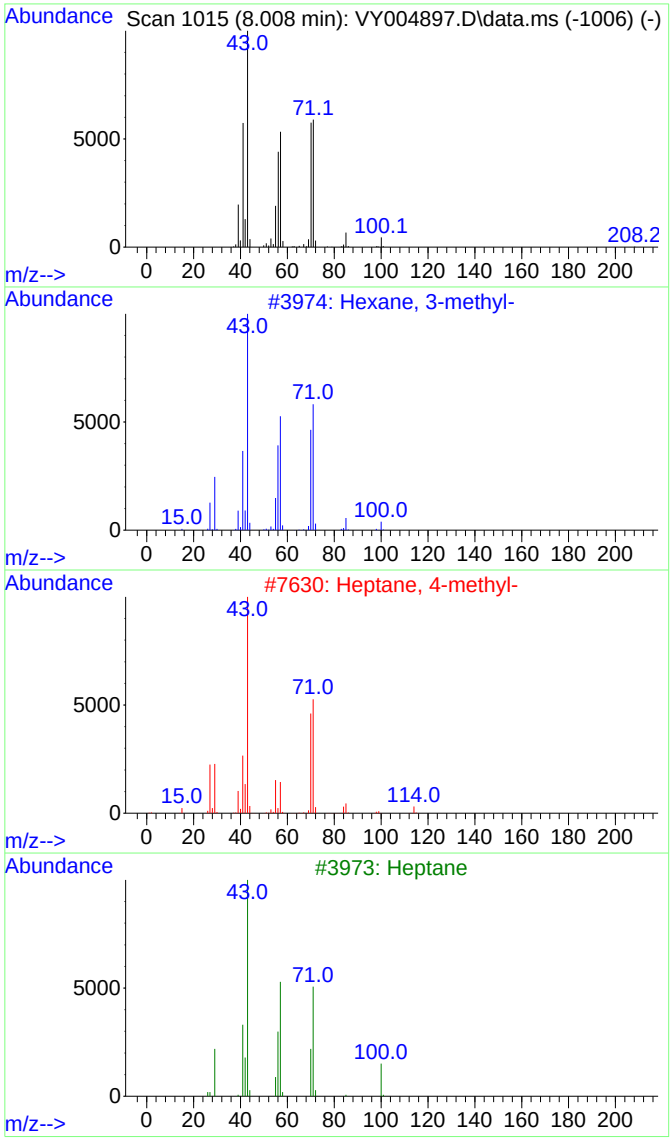
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

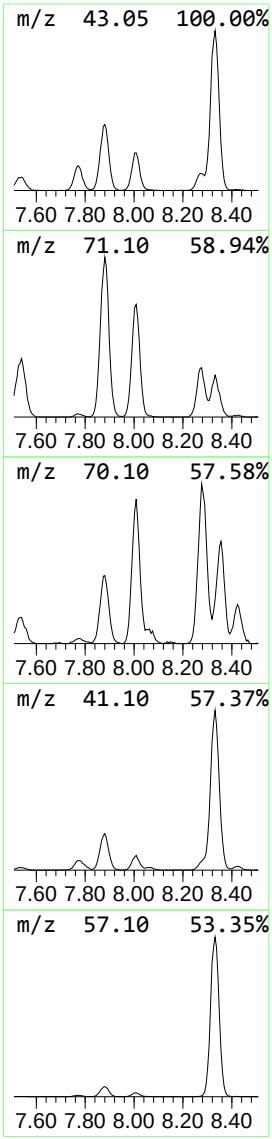
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.008	21.02 ug/l	344858	Pentafluorobenzene	7.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
3	Heptane	100	C7H16	000142-82-5	53
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

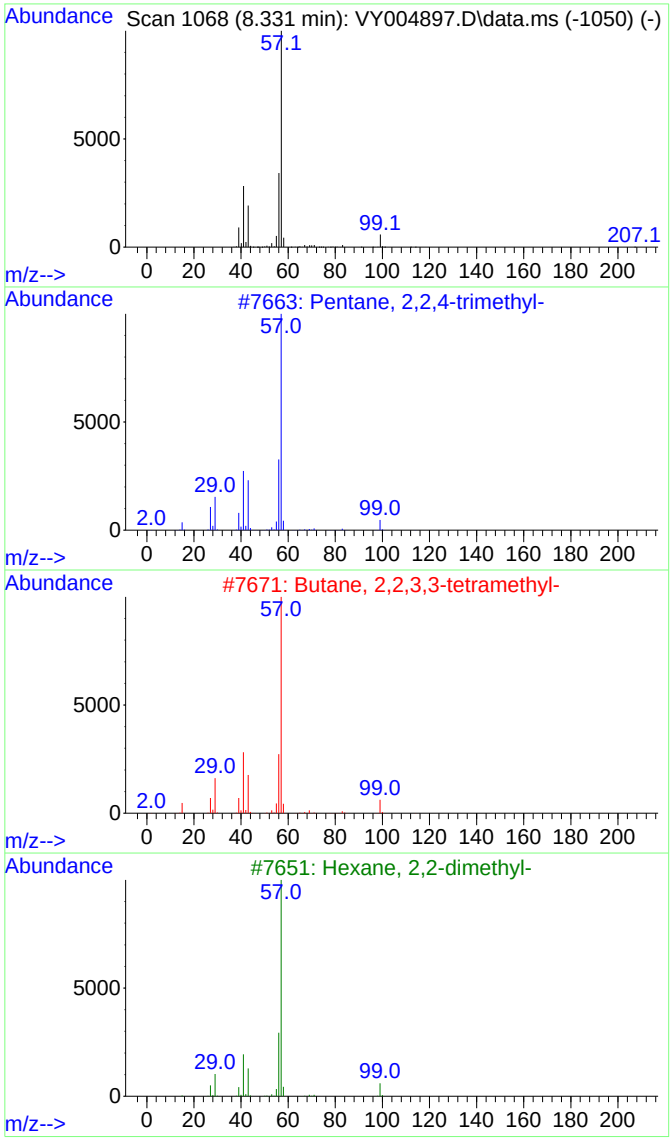
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

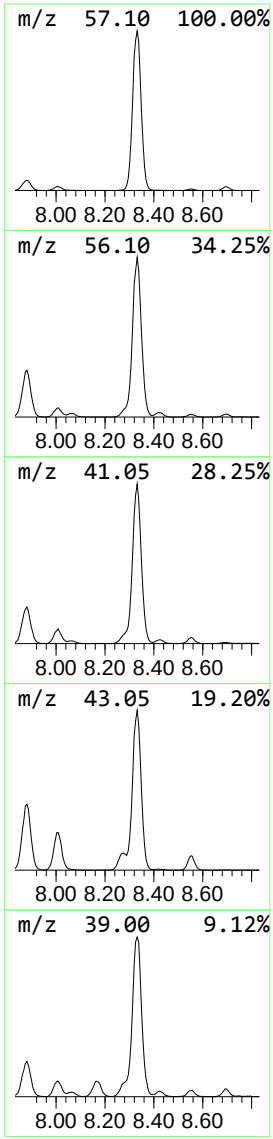
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pentane, 2,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.331	255.22 ug/l	4140780	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	78
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

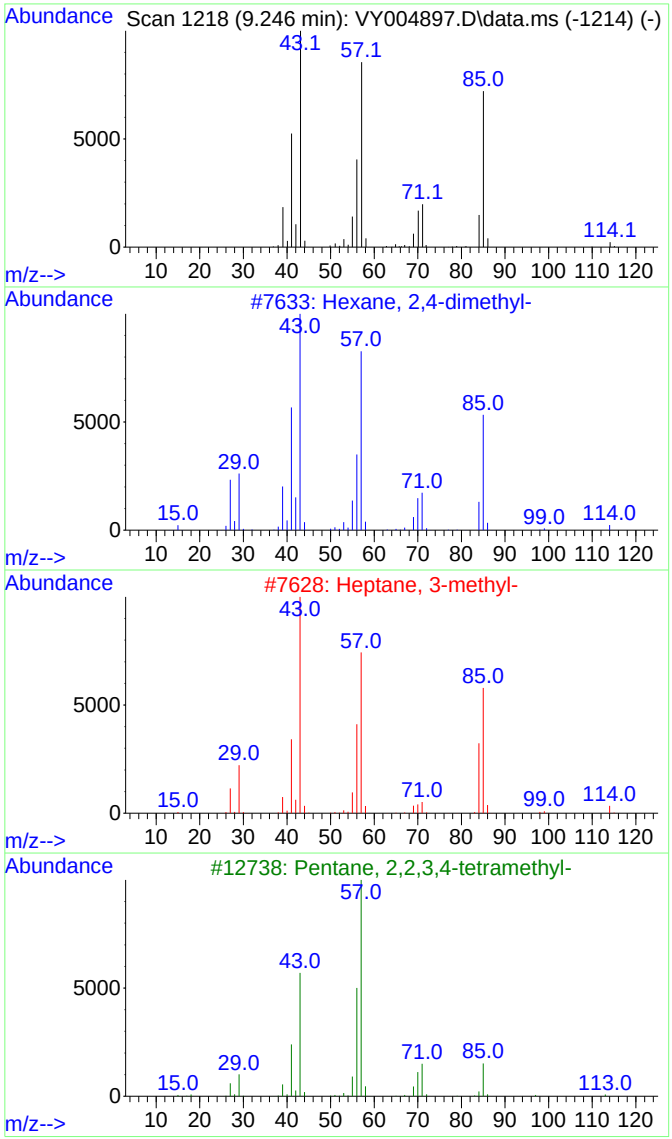
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

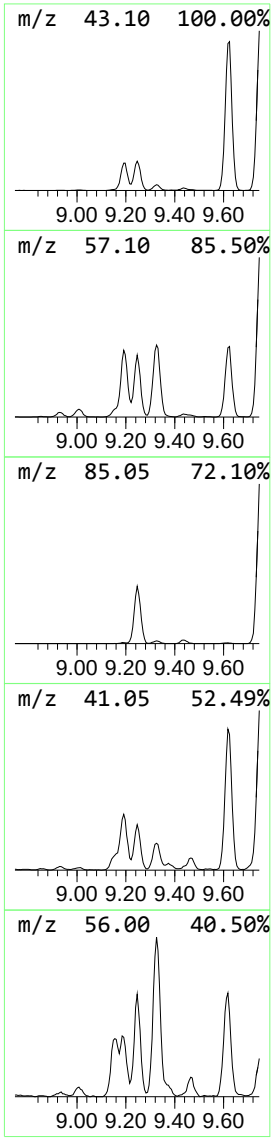
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Hexane, 2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.246	21.31 ug/l	345693	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	95
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	72
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	64
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

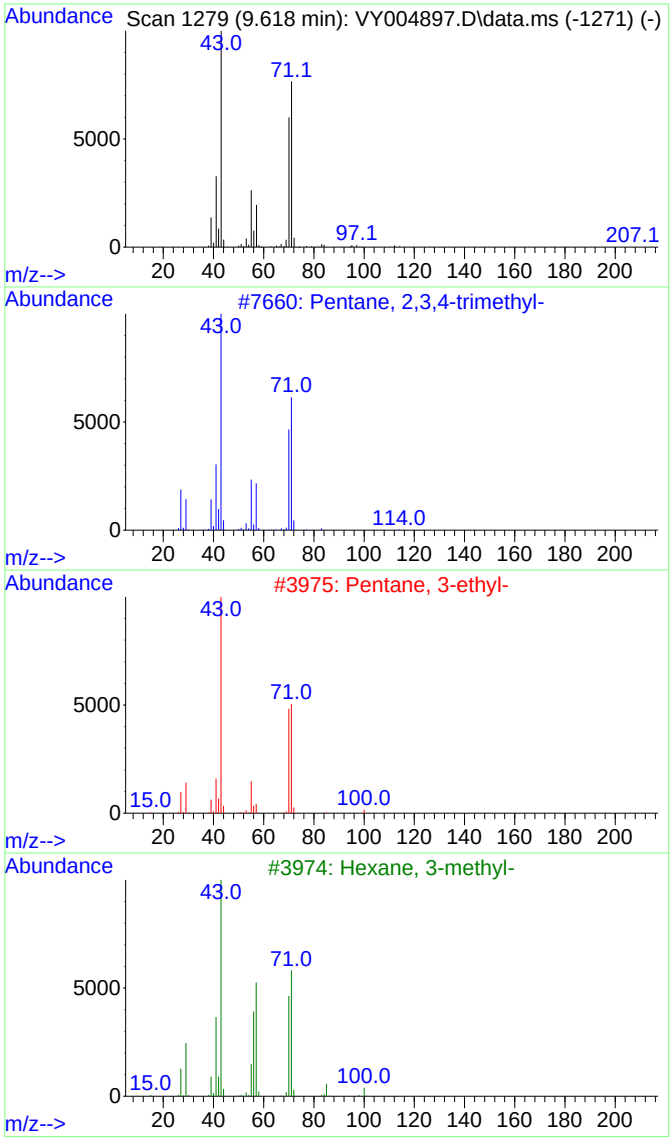
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

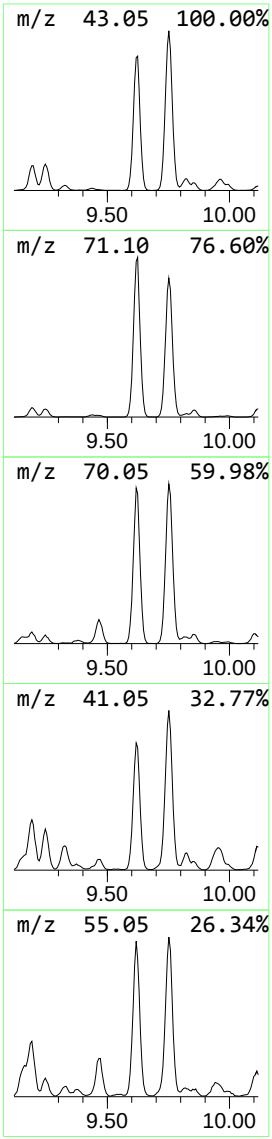
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.618	88.92 ug/l	1442690	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	74
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

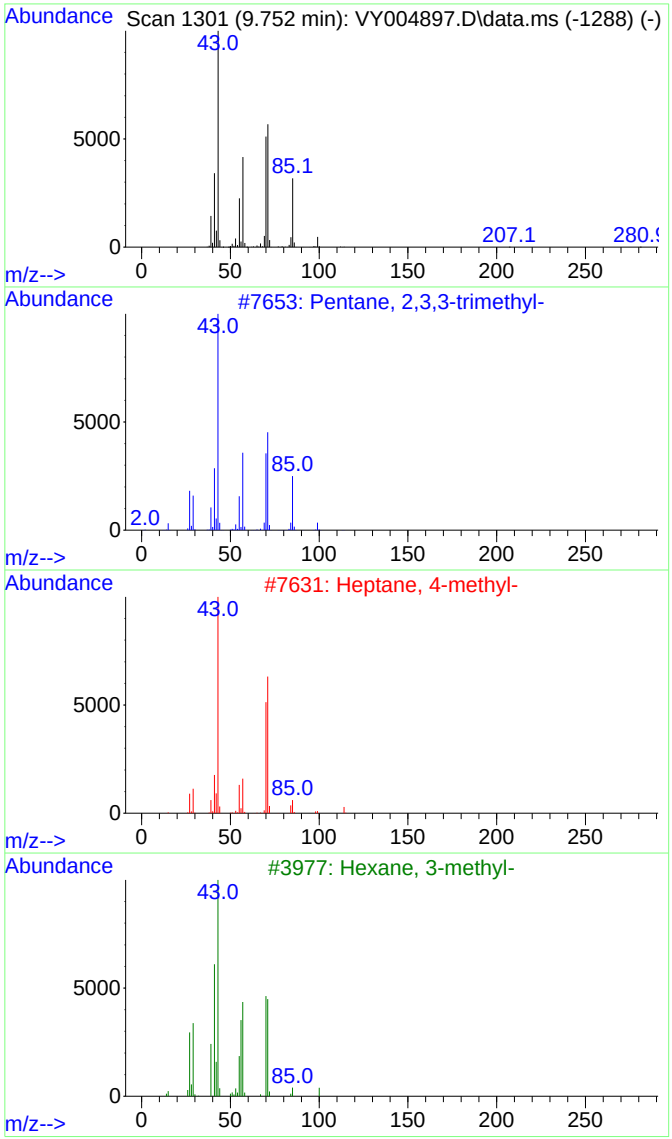
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

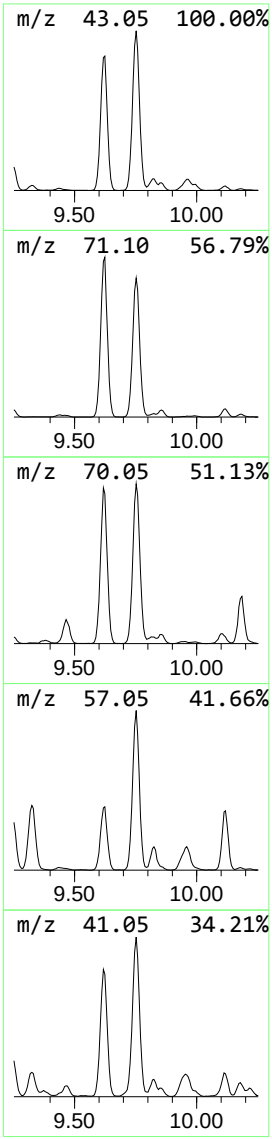
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	122.69 ug/l	1990610	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
4	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	59
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004897.D
Acq On : 27 May 2021 13:50
Operator : SY/MD
Sample : M2535-08
Misc : 6.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.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
Butane, 2-methyl-	2.912	55.0	ug/l	903225	1	7.801	820423	50.0
Butane, 2,3-dim...	4.710	33.9	ug/l	555900	1	7.801	820423	50.0
Pentane, 3-methyl-	5.253	21.3	ug/l	348752	1	7.801	820423	50.0
Pentane, 2,4-di...	6.698	38.3	ug/l	628747	1	7.801	820423	50.0
Pentane, 2,3-di...	7.880	47.8	ug/l	783748	1	7.801	820423	50.0
Hexane, 3-methyl-	8.008	21.0	ug/l	344858	1	7.801	820423	50.0
Pentane, 2,2,4-...	8.331	255.2	ug/l	4140780	2	8.697	811224	50.0
Hexane, 2,4-dim...	9.246	21.3	ug/l	345693	2	8.697	811224	50.0
Pentane, 2,3,4-...	9.618	88.9	ug/l	1442690	2	8.697	811224	50.0
Pentane, 2,3,3-...	9.752	122.7	ug/l	1990610	2	8.697	811224	50.0