LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

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: VY004902.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	37	42	57	rVB	640835	1003238	5.23%	0.596%
2	2.253	63	71	80	rVB	139797	230130	1.20%	0.137%
3	2.912	168	179	205	rBV	8651821	19184032	100.00%	11.403%
4	3.259	228	236	252	rVB	149494	345450	1.80%	0.205%
5	3.948	334	349	372	rBV	1644462	5413614	28.22%	3.218%
6	4.710	458	474	512	rVB	3006372	14186503	73.95%	8.433%
7	5.253	546	563	594	rBB	1660340	5960847	31.07%	3.543%
8	5.759	634	646	665	rVB2	124671	392792	2.05%	0.233%
9	6.533	759	773	787	rBV2	197809	698477	3.64%	0.415%
10	6.697	787	800	809	rVV	919863	2946767	15.36%	1.752%
11	6.801	809	817	827	rVV	804356	2497884	13.02%	1.485%
12	6.984	838	847	864	rVB2	102604	368132	1.92%	0.219%
13	7.533	918	937	949	rBV	246372	748297	3.90%	0.445%
14	7.728	956	969	972	rBV	167359	409566	2.13%	0.243%
15	7.795	972	980	986	rVV4	798521	2206892	11.50%	1.312%
16	7.880	986	994	1006	rVB	1533204	3853770	20.09%	2.291%
17	8.002	1006	1014	1019	rBV	168153	397837	2.07%	0.236%
18	8.063	1019	1024	1031	rVV	195784	461442	2.41%	0.274%
19	8.161	1031	1040	1050	rVB4	311409	835851	4.36%	0.497%
20	8.283	1050	1060	1063	rBV2	640769	1519853	7.92%	0.903%
21	8.331	1063	1068	1078	rVV2	1169132	3567992	18.60%	2.121%
22	8.423	1078	1083	1094	rVB2	164778	367138	1.91%	0.218%
23	8.697	1116	1128	1139	rBV	574360	1228143	6.40%	0.730%
24	9.154	1193	1203	1205	rBV2	193438	396116	2.06%	0.235%
25	9.185	1205	1208	1214	rVV3	274490	552231	2.88%	0.328%
26	9.618	1272	1279	1288	rVB	386091	760483	3.96%	0.452%
27	9.715	1288	1295	1297	rBV	331160	602249	3.14%	0.358%
28	9.752	1297	1301	1308	rVB	511252	999462	5.21%	0.594%
29	9.947	1326	1333	1347	rVB5	69536	229503	1.20%	0.136%
30	10.185	1365	1372	1380	rBV	896178	1657720	8.64%	0.985%
31	10.374	1395	1403	1410	rVB3	129604	324397	1.69%	0.193%
32	10.605	1435	1441	1451	rBV4	175605	384701	2.01%	0.229%
33	11.282	1544	1552	1564	rVB3	137159	328509	1.71%	0.195%
34	11.386	1564	1569	1578	rBV	119757	213393	1.11%	0.127%
35	11.495	1579	1587	1593	rBV	754505	1274097	6.64%	0.757%
36	11.593	1595	1603	1612	rVB	736223	1255662	6.55%	0.746%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

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	11.703	1612	1621	1631	rBV	3042837	5675978	29.59%	3.374%
38	12.032	1664	1675	1683	rBV3	169924	427652	2.23%	0.254%
39	12.331	1719	1724	1729	rBV	319269	513002	2.67%	0.305%
40	12.489	1740	1750	1760	rVB4	1013582	2403520	12.53%	1.429%
41	12.672	1768	1780	1785	rBV	1038421	1723695	8.99%	1.025%
42	12.739	1785	1791	1794	rBV	3157021	4920663	25.65%	2.925%
43	12.770	1794	1796	1799	rVV	1457799	1838625	9.58%	1.093%
44	12.812	1799	1803	1810	rVB2	2089524	3264754	17.02%	1.941%
45	12.977	1822	1830	1837	rBV	837794	1486946	7.75%	0.884%
46	13.068	1842	1845	1848	rVV	258971	367221	1.91%	0.218%
47	13.123	1848	1854	1860	rVV	8550554	12417132	64.73%	7.381%
48	13.172	1860	1862	1867	rVB	171339	245627	1.28%	0.146%
49	13.257	1867	1876	1877	rBV3	157731	362185	1.89%	0.215%
50	13.288	1877	1881	1883	rVV	286009	411958	2.15%	0.245%
51	13.318	1883	1886	1890	rVB2	291116	406201	2.12%	0.241%
52	13.367	1890	1894	1897	rBV2	207923	324399	1.69%	0.193%
53	13.458	1905	1909	1923	rVB2	2411646	5004751	26.09%	2.975%
54	13.599	1926	1932	1933	rVV2	577895	868316	4.53%	0.516%
55	13.629	1933	1937	1940	rVV2	2947893	4768025	24.85%	2.834%
56	13.666	1940	1943	1953	rVV3	2001352	4034597	21.03%	2.398%
57	13.757	1953	1958	1962	rVV2	522874	843369	4.40%	0.501%
58	13.824	1965	1969	1974	rVV	605945	1011842	5.27%	0.601%
59	13.885	1974	1979	1982	rVV	1154580	1918847	10.00%	1.141%
60	13.916	1982	1984	1989	rVV	1188515	1602264	8.35%	0.952%
61	13.977	1989	1994	1999	rVV	2111505	3226583	16.82%	1.918%
62	14.032	1999	2003	2007	rVV	342662	576397	3.00%	0.343%
63	14.080	2007	2011	2017	rVV	1160365	1777053	9.26%	1.056%
64	14.160	2017	2024	2028	rVV6	191295	432729	2.26%	0.257%
65	14.214	2028	2033	2038	rVV	482724	907444	4.73%	0.539%
66	14.300	2041	2047	2050	rVV	1282629	2265396	11.81%	1.347%
67	14.336	2050	2053	2057	rVV	1805436	2573000	13.41%	1.529%
68	14.385	2057	2061	2064	rVV2	800882	1207899	6.30%	0.718%
69	14.422	2064	2067	2073	rVV	389629	571034	2.98%	0.339%
70	14.525	2080	2084	2087	rVV	580460	836527	4.36%	0.497%
71	14.568	2087	2091	2096	rVV	1495387	2599548	13.55%	1.545%
72	14.611	2096	2098	2103	rVB	579402	785595	4.10%	0.467%
73	14.684	2103	2110	2116	rBV3	2021181	4154953	21.66%	2.470%
74	14.739	2116	2119	2125	rVB	379477	613808	3.20%	0.365%
75	14.836	2130	2135	2139	rBV	250395	339150	1.77%	0.202%
76	14.909	2143	2147	2148	rBV	201090	252776	1.32%	0.150%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

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

77	14.946	2148	2153	2156	rBV3	531608	838838	4.37%	0.499%
78	15.056	2165	2171	2181	rVB3	542910	1197064	6.24%	0.712%
79	15.239	2191	2201	2207	rVB	1854155	3320938	17.31%	1.974%
80	15.348	2214	2219	2223	rBV	303248	495512	2.58%	0.295%
81	15.397	2223	2227	2231	rVV	175557	315106	1.64%	0.187%
82	15.434	2231	2233	2242	rVB4	136249	248776	1.30%	0.148%
83	15.525	2242	2248	2255	rBV	295388	596023	3.11%	0.354%
84	15.690	2266	2275	2287	rBV5	157439	580152	3.02%	0.345%
85	15.891	2301	2308	2314	rBV2	140339	296214	1.54%	0.176%
86	16.293	2367	2374	2393	rVB	912972	1833607	9.56%	1.090%
87	16.488	2399	2406	2421	rVB	349115	744557	3.88%	0.443%

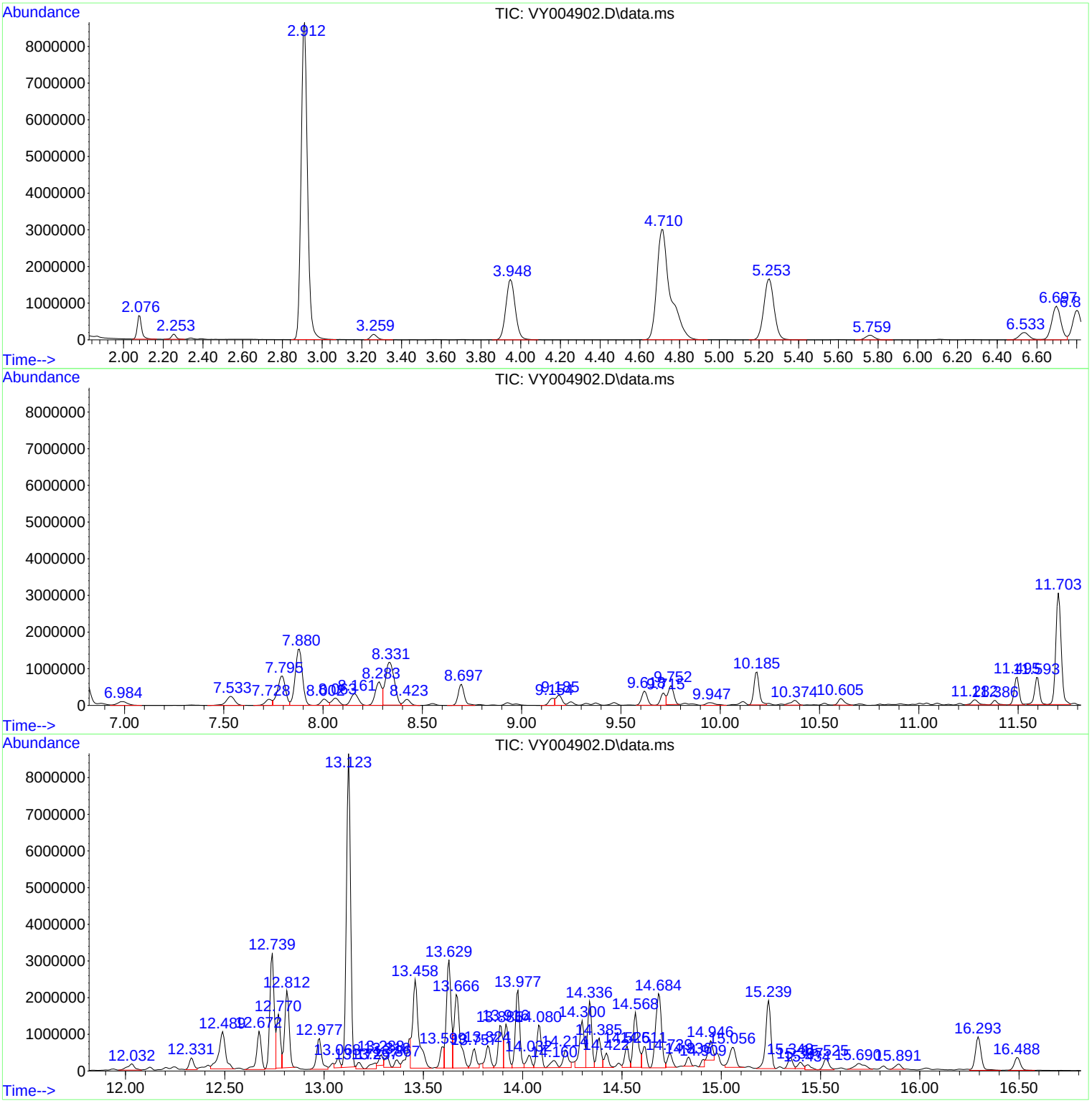
Sum of corrected areas: 168231418

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-4D

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 : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-4D

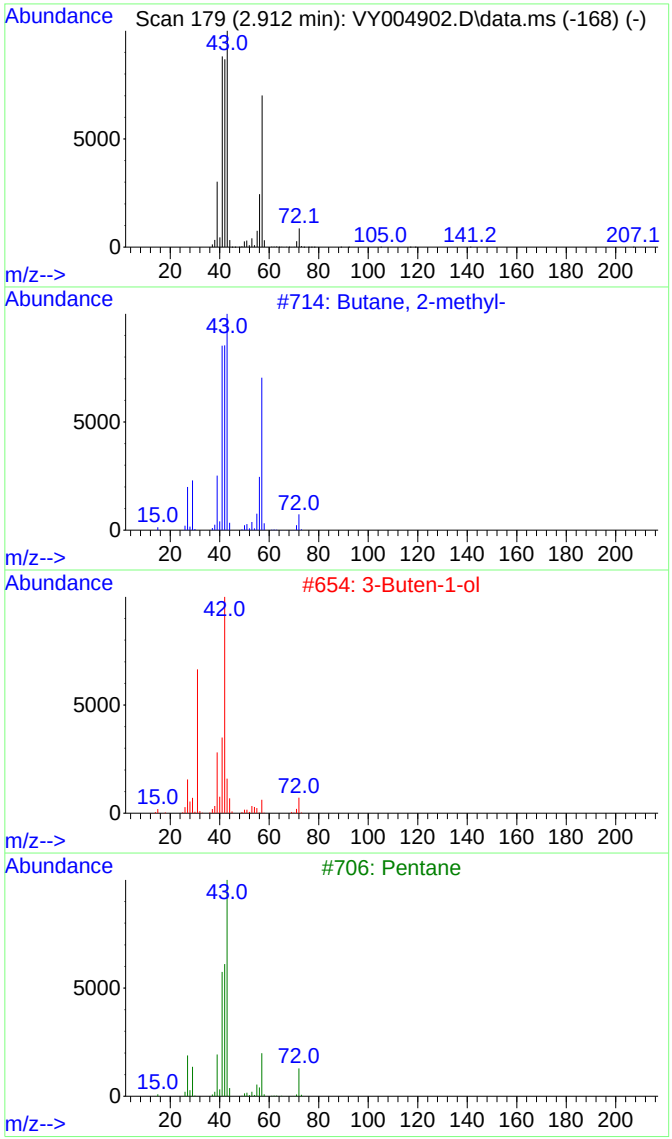
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

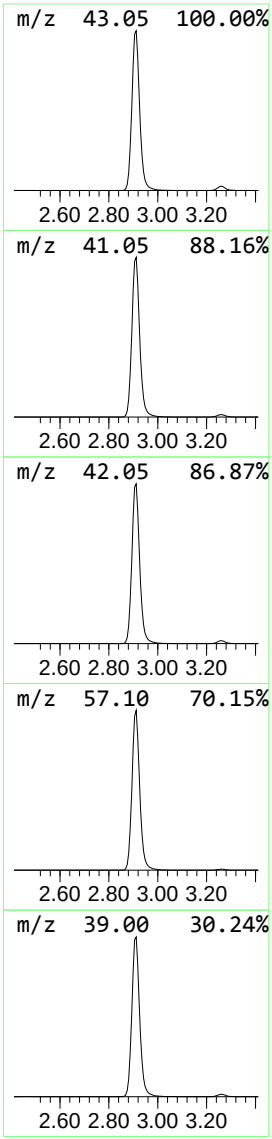
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.912	434.64 ug/l	19184000	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	47
3	Pentane	72	C5H12	000109-66-0	36
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10
5	1-Butene	56	C4H8	000106-98-9	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-4D

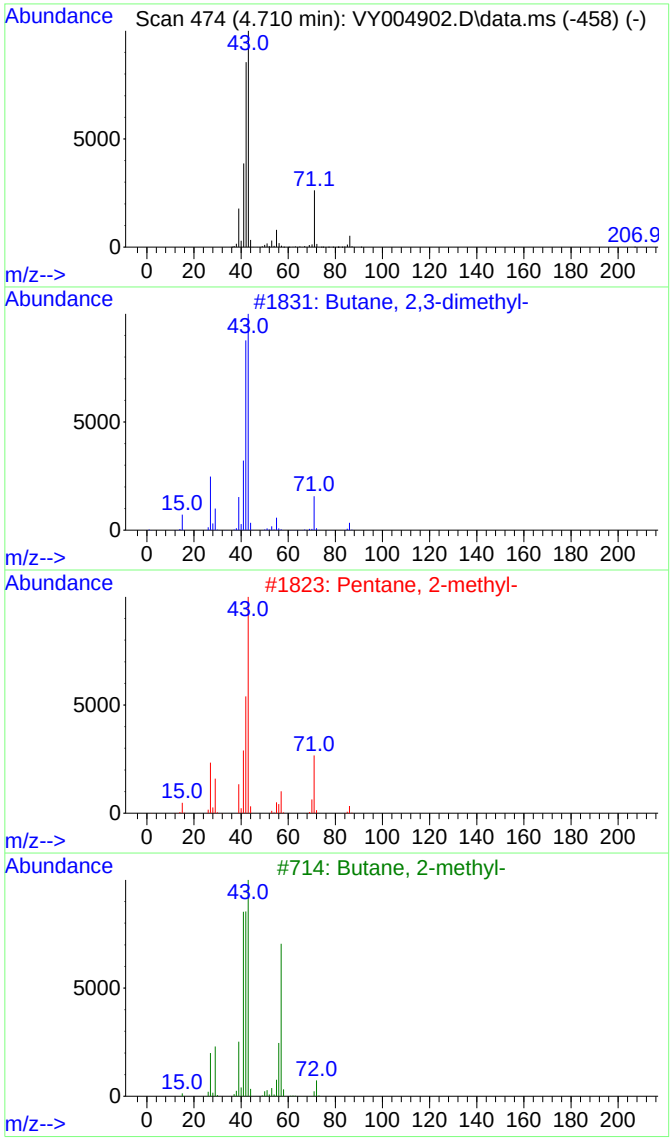
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

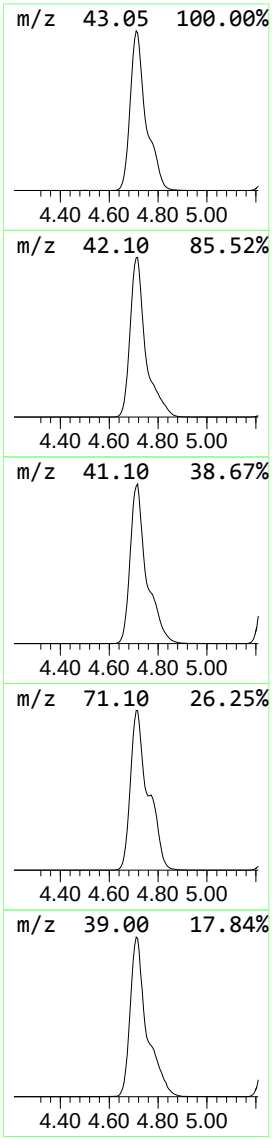
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.710	321.41 ug/l	14186500	Pentafluorobenzene	7.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Butane, 2-methyl-	72	C5H12	000078-78-4	36
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	28
5	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-4D

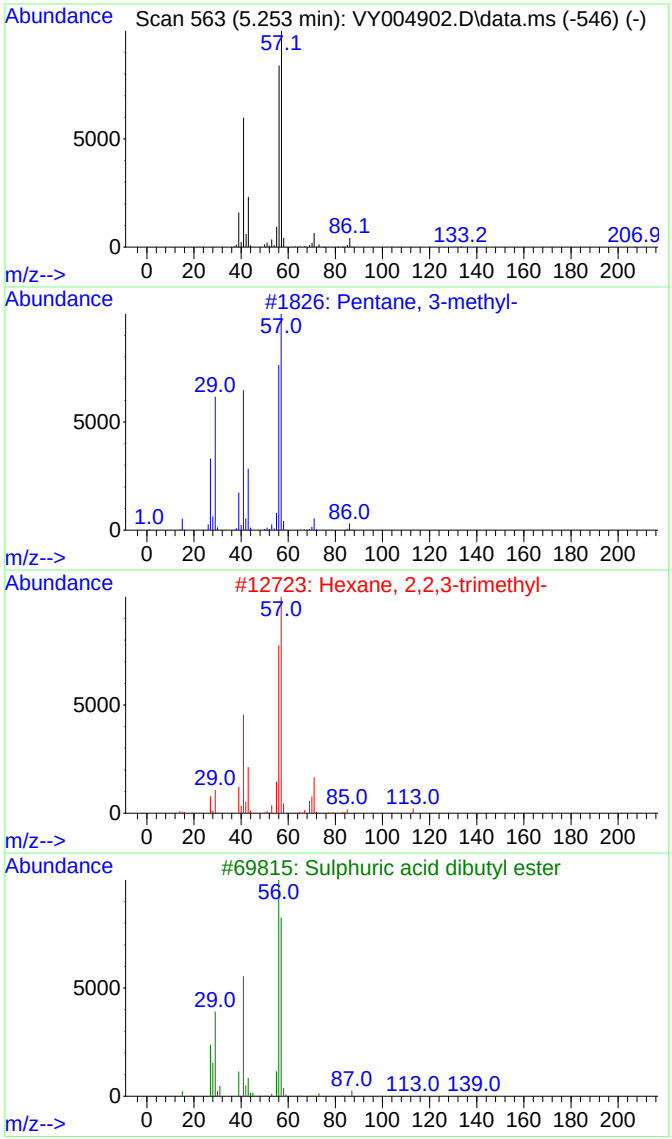
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

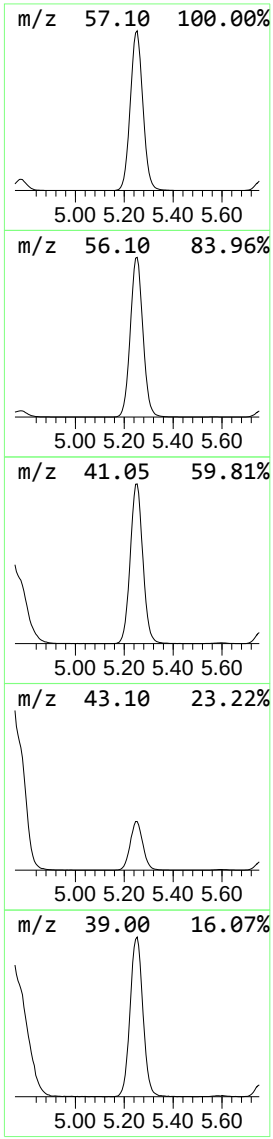
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.253	135.05 ug/l	5960850	Pentafluorobenzene	7.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	56
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	40
5	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

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

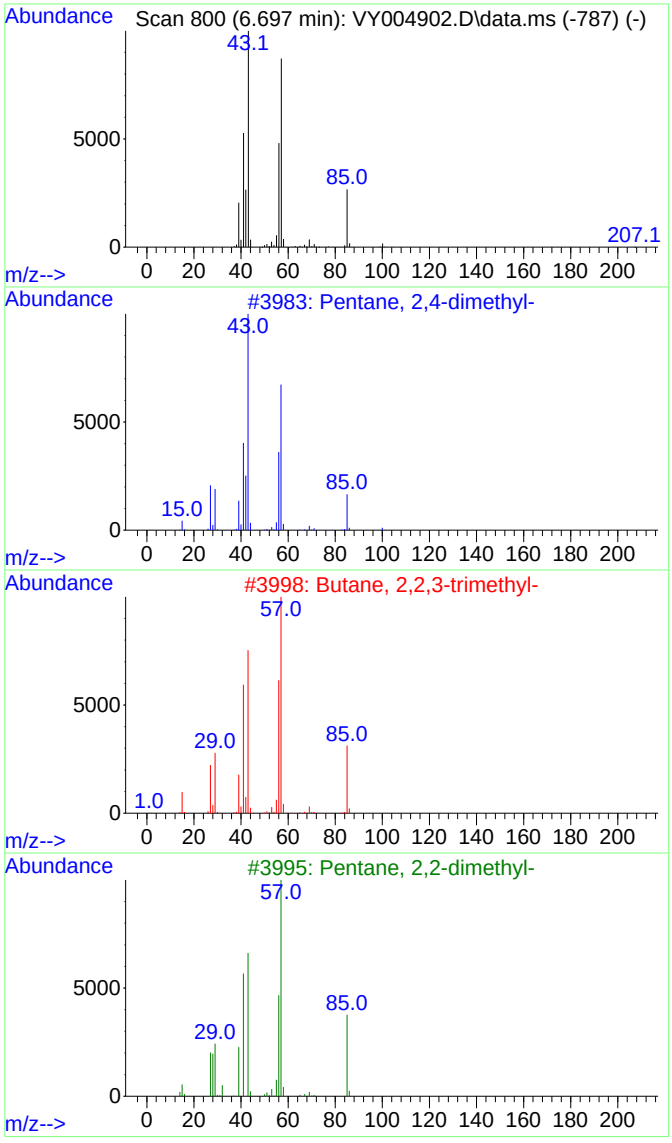
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

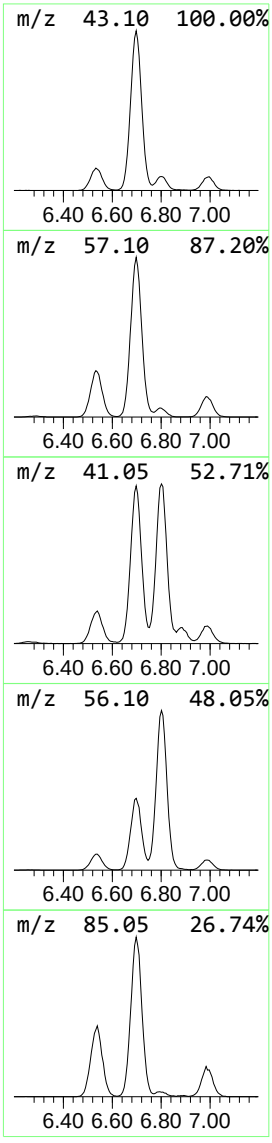
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.697	66.76 ug/l	2946770	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	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	59
5	n-Hexane	86	C6H14	000110-54-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

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

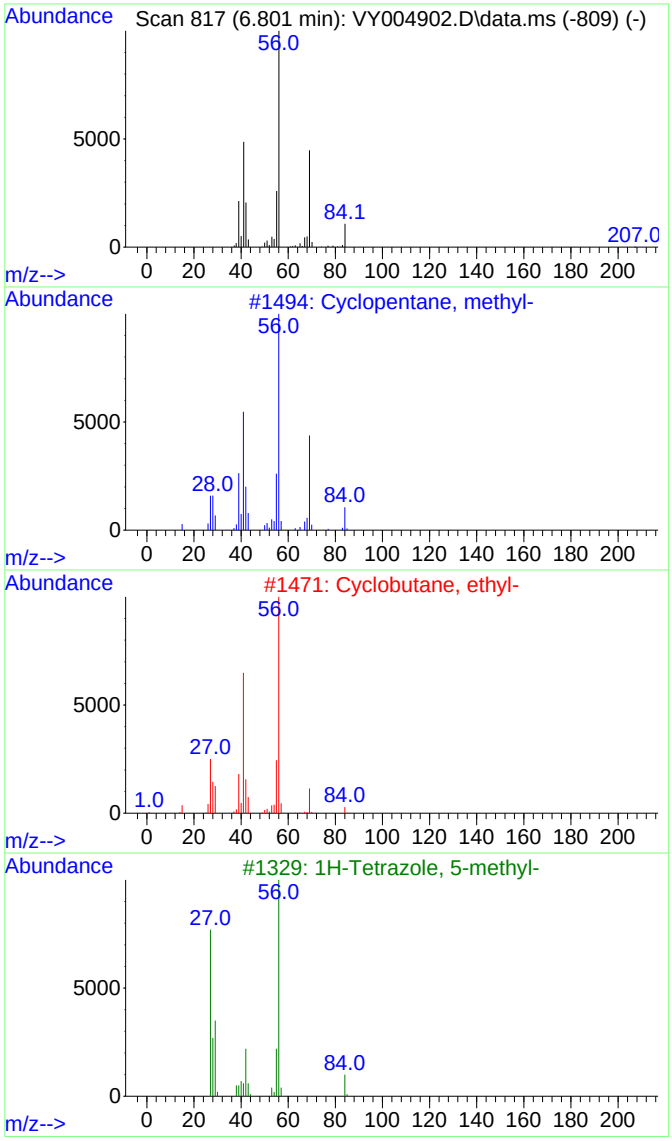
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

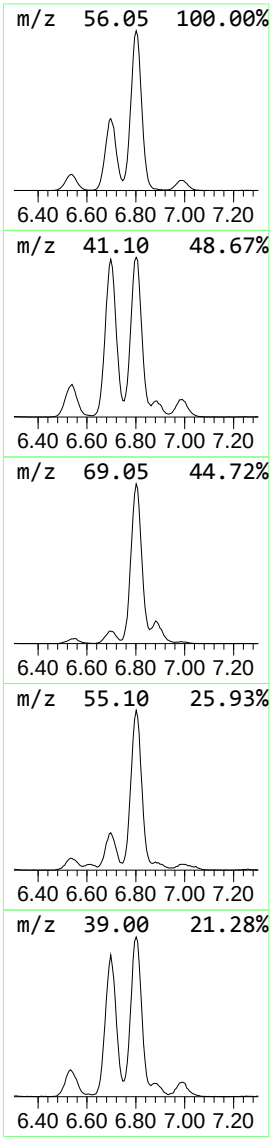
****

Peak Number 5 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.801	56.59 ug/l	2497880	Pentafluorobenzene	7.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

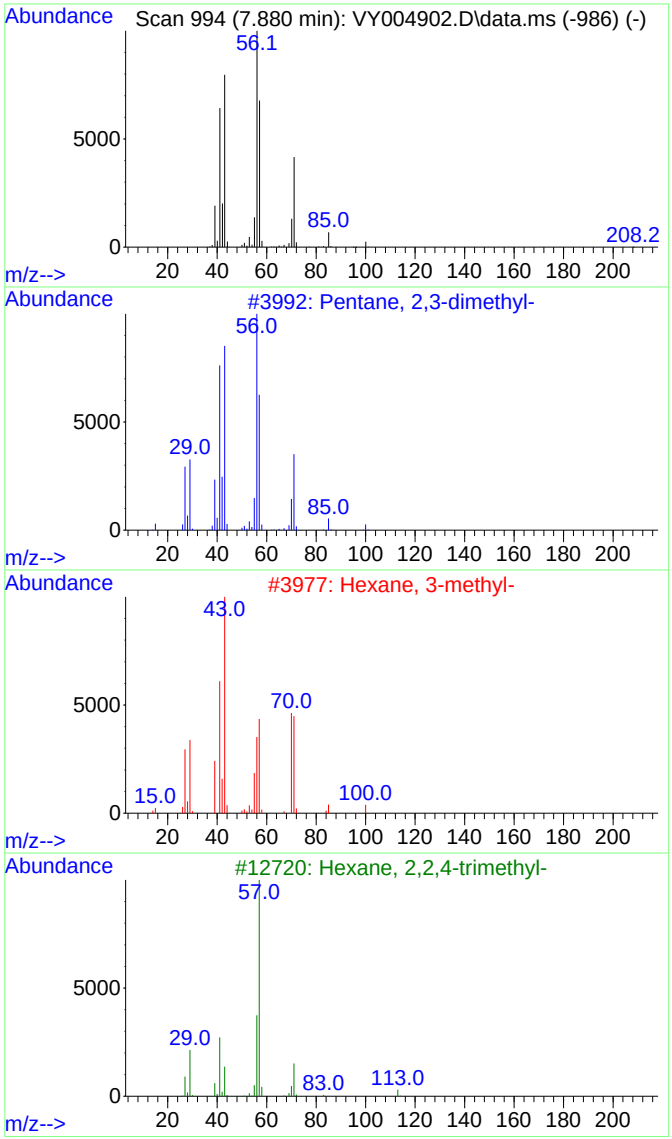
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

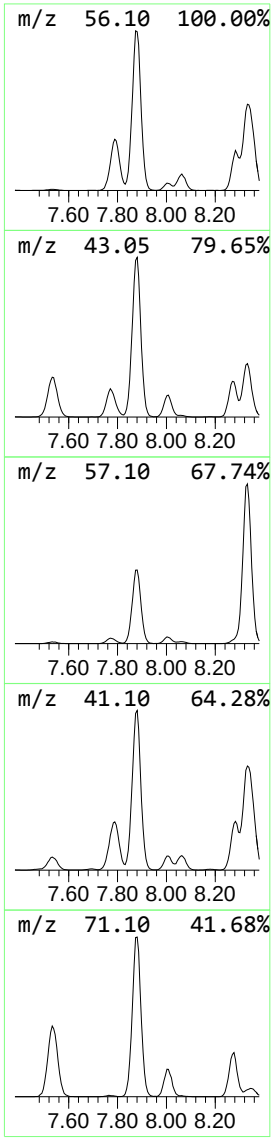
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.880	87.31 ug/l	3853770	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, 3-methyl-	100	C7H16	000589-34-4	43
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	42
4	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	37
5	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

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

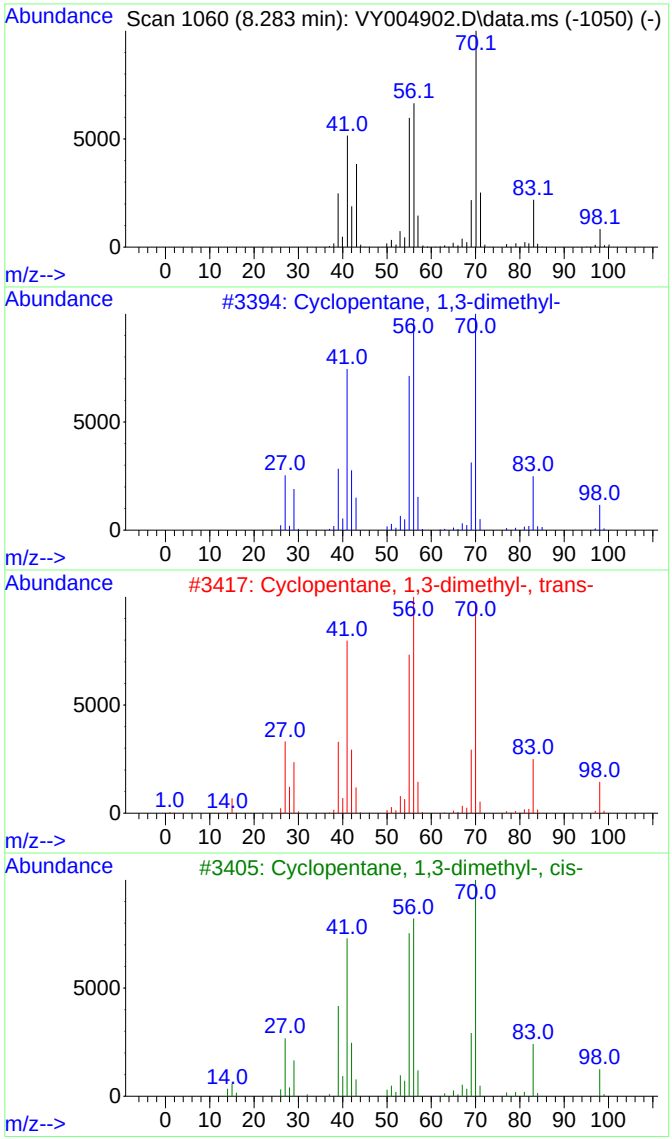
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

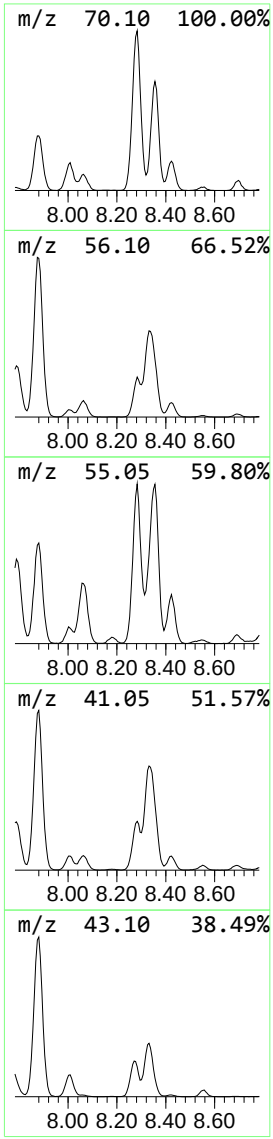
****

Peak Number 7 Cyclopentane, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.283	61.88 ug/l	1519850	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
2	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	64
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	60
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
5	Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

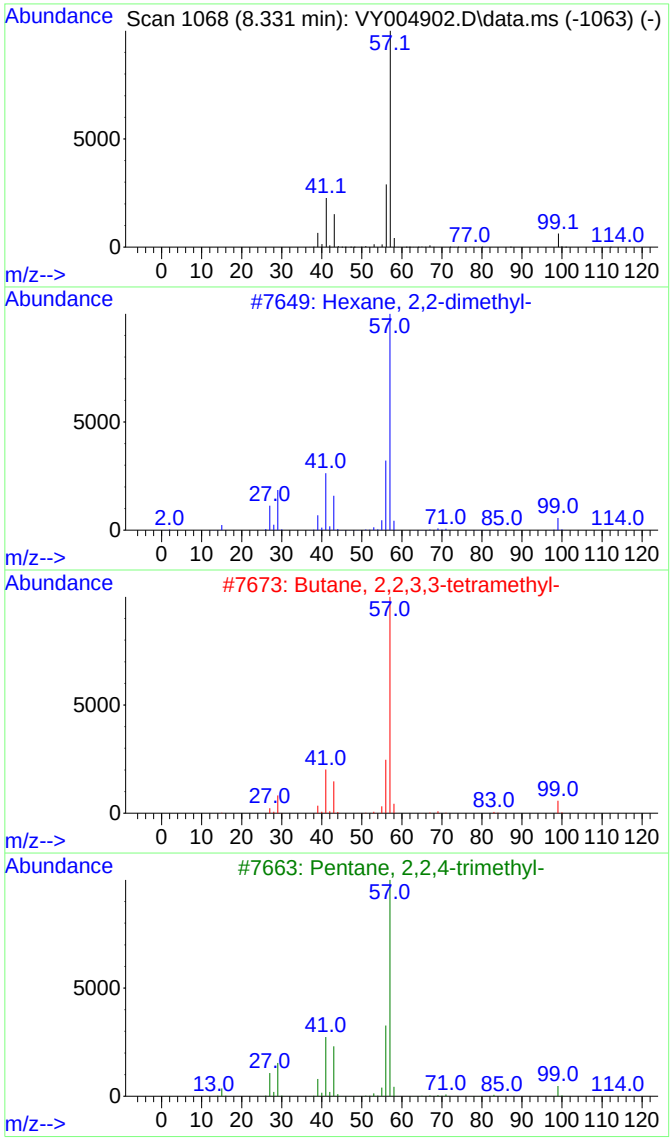
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

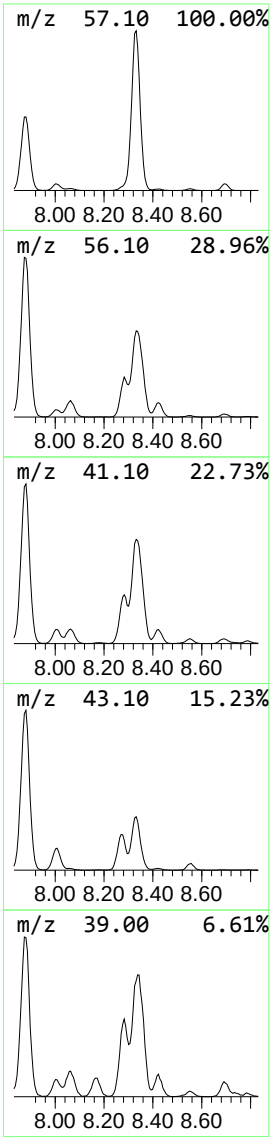
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Hexane, 2,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.331	145.26 ug/l	3567990	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	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	39
5	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

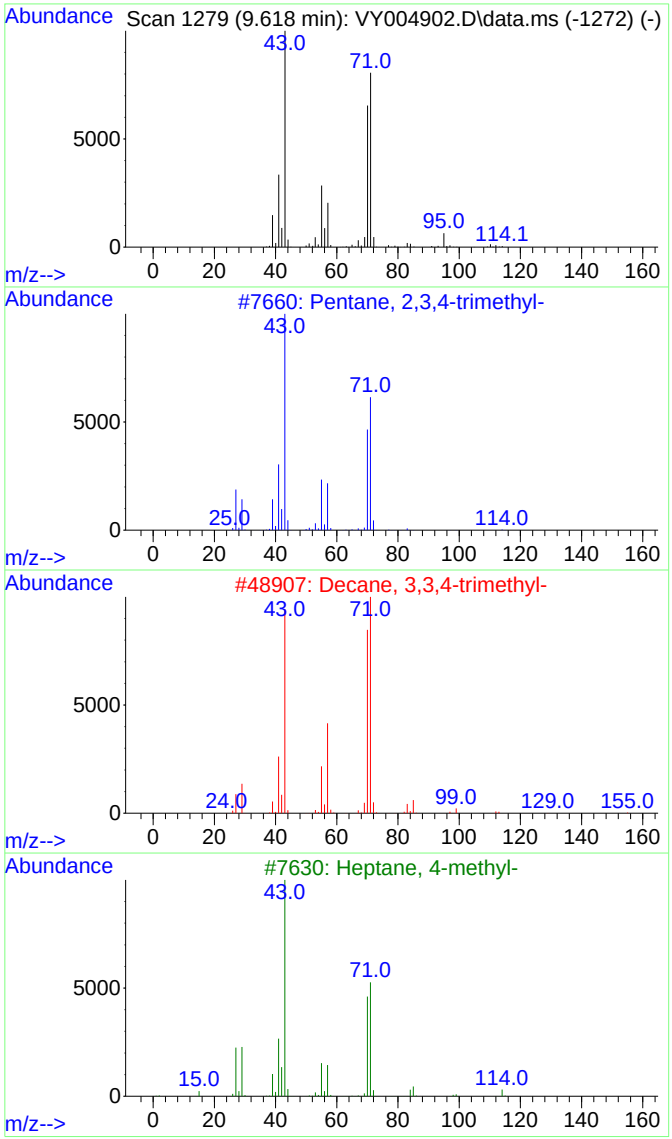
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

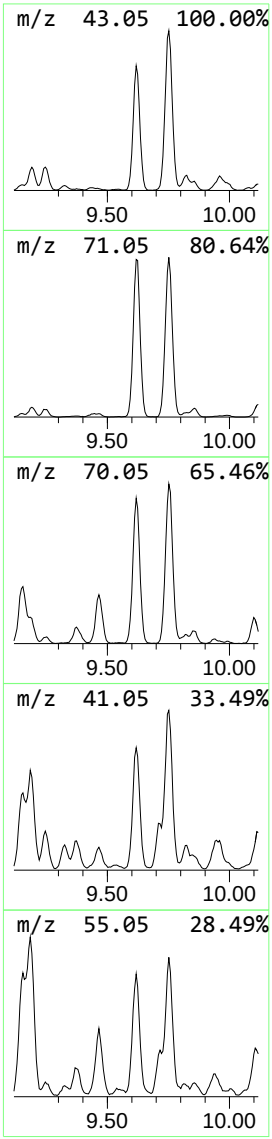
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Pentane, 2,3,4-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.618	30.96 ug/l	760483	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	86
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

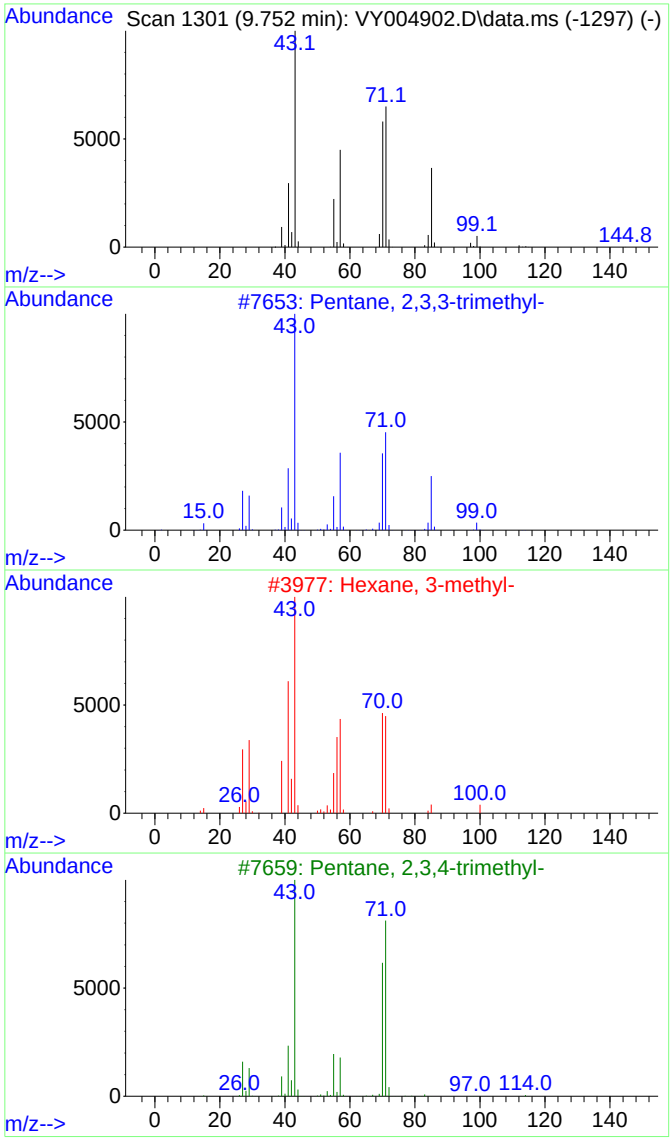
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

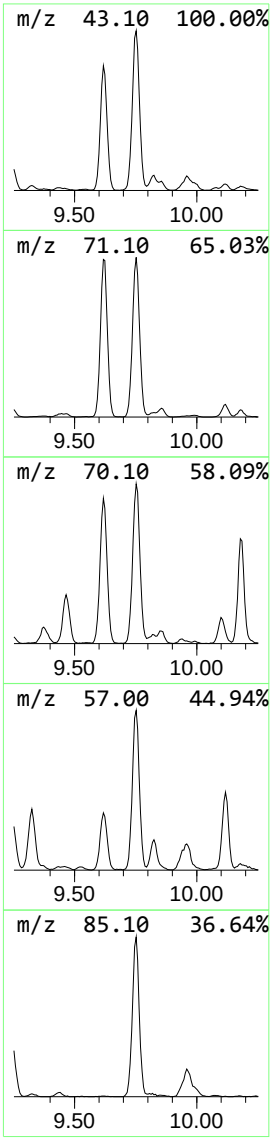
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Pentane, 2,3,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	40.69 ug/l	999462	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	72
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

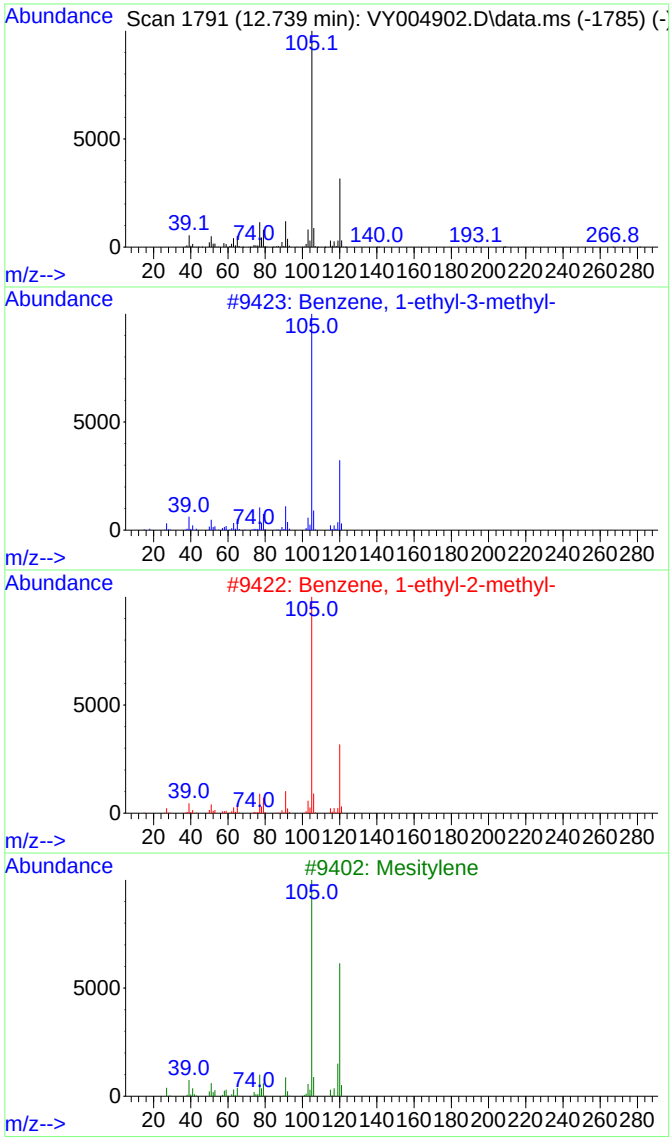
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

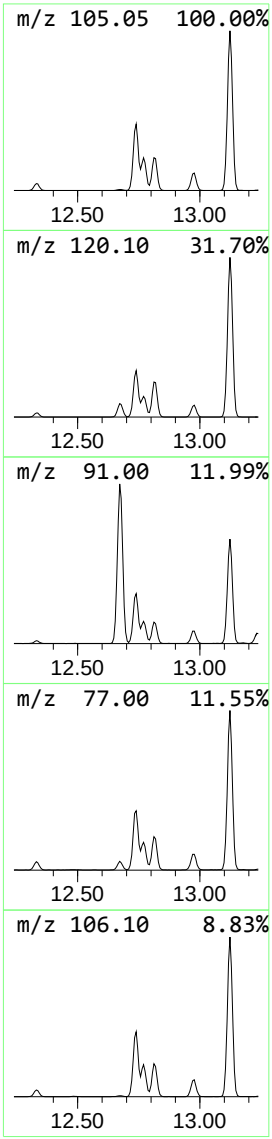
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.739	49.16 ug/l	4920660	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

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

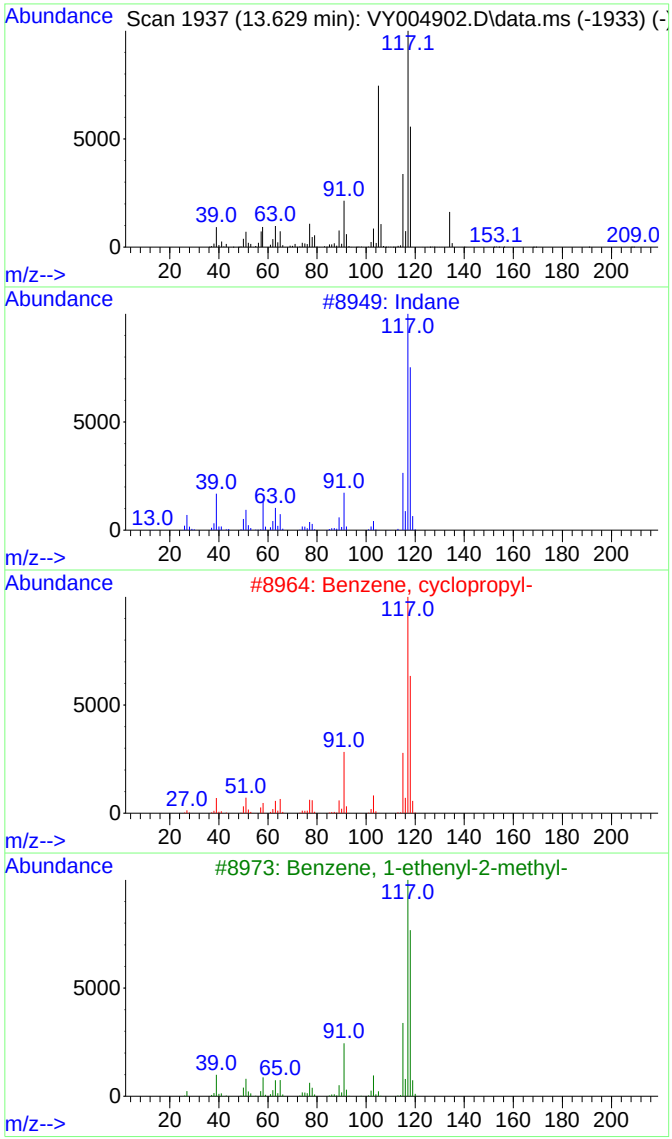
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

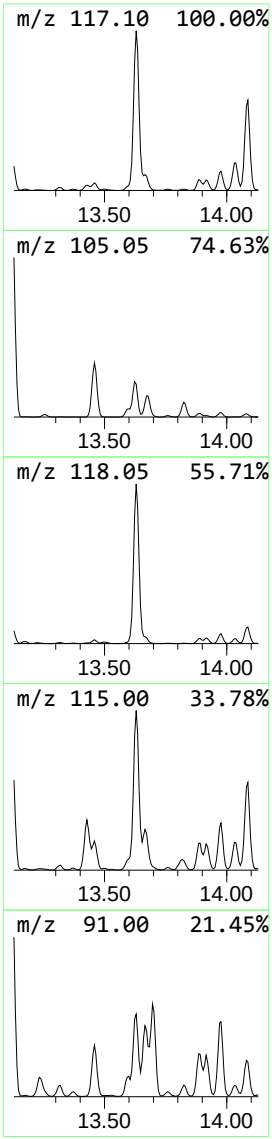
****

Peak Number 12 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.629	47.63 ug/l	4768030	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	64
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-4D

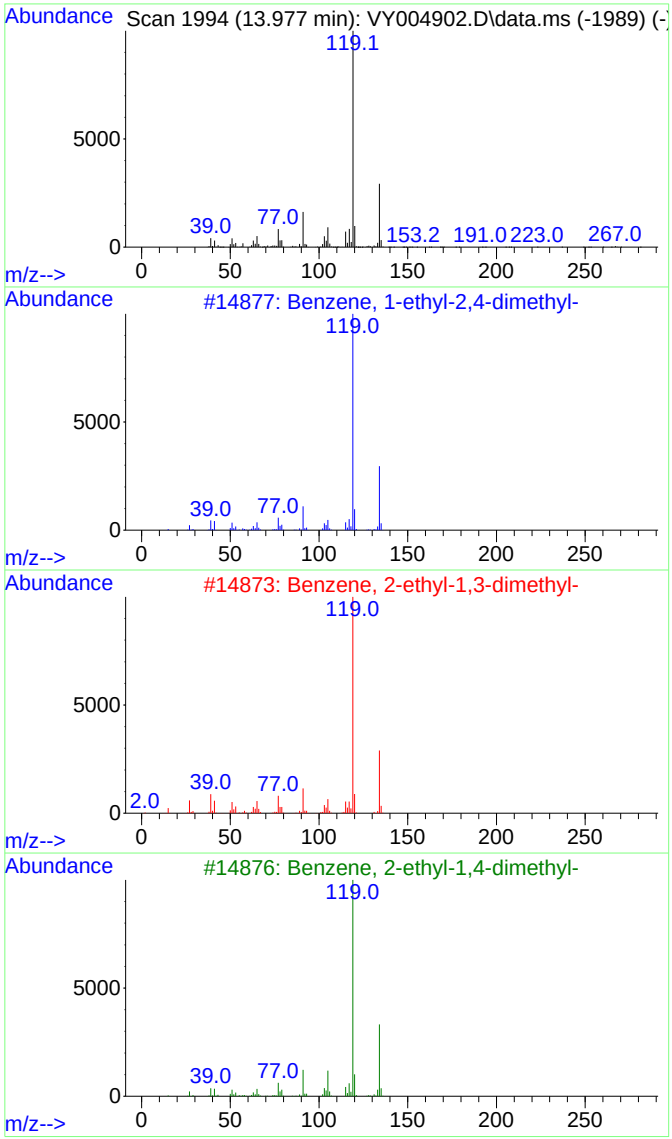
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

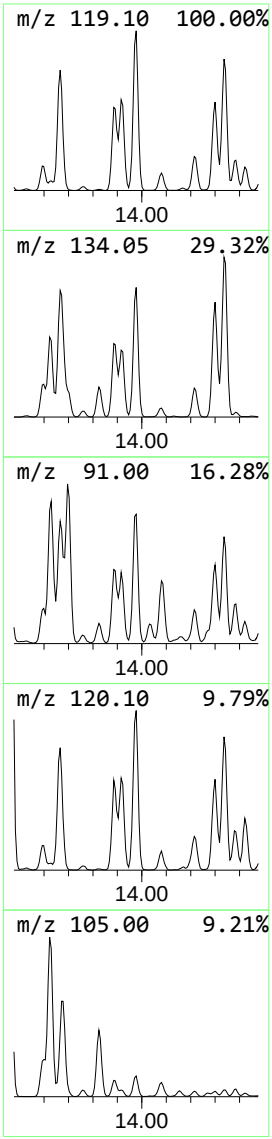
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.977	32.24 ug/l	3226580	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

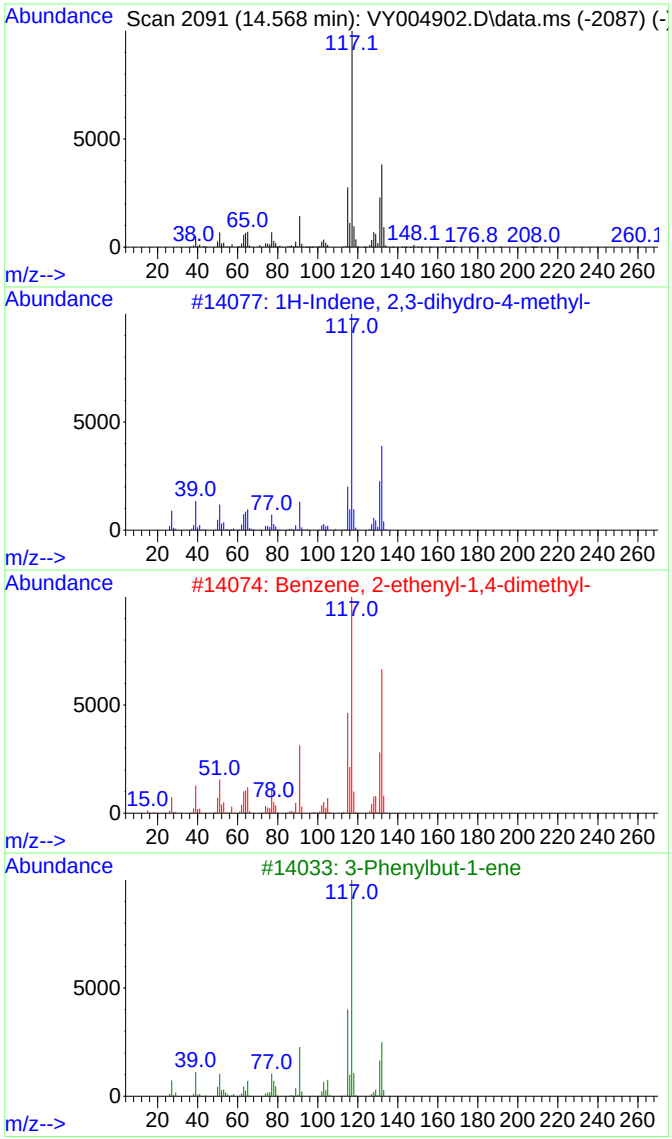
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

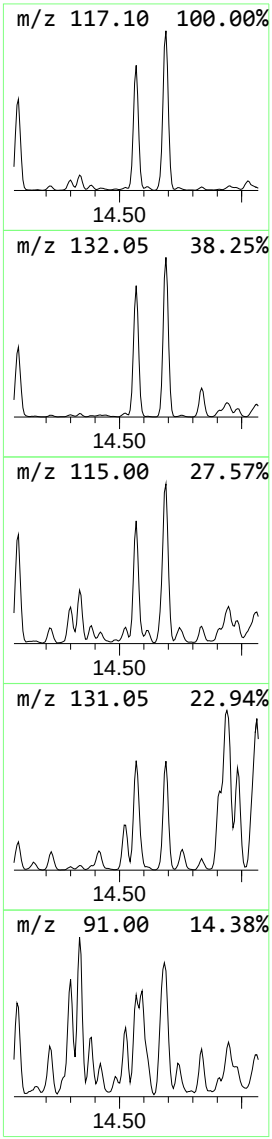
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.568	25.97 ug/l	2599550	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

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

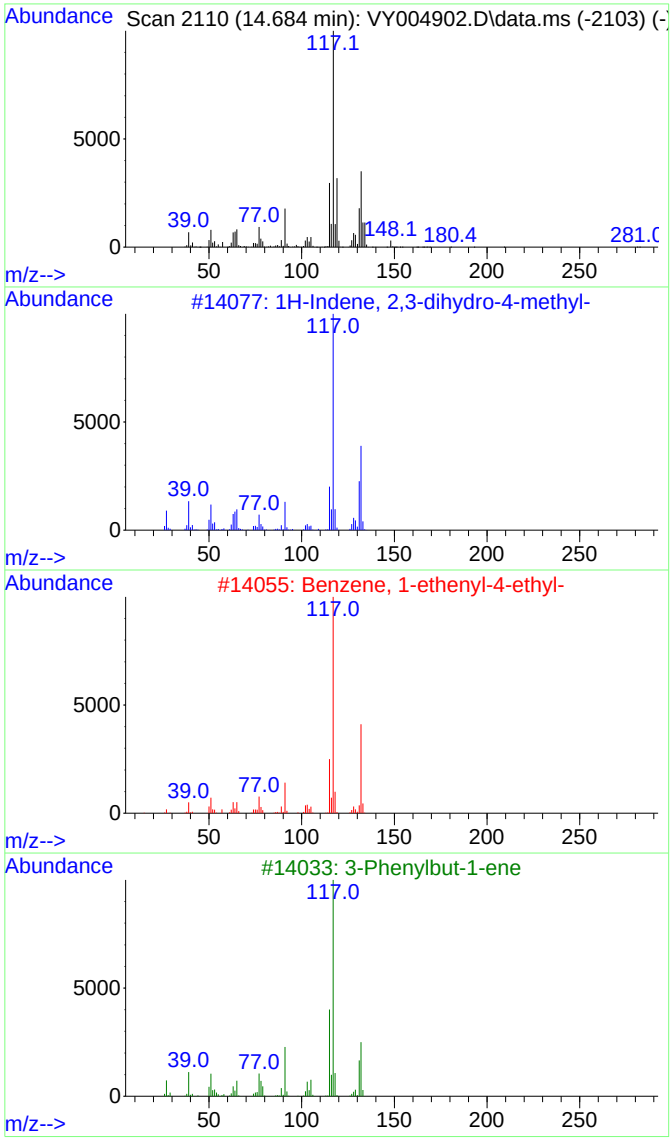
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

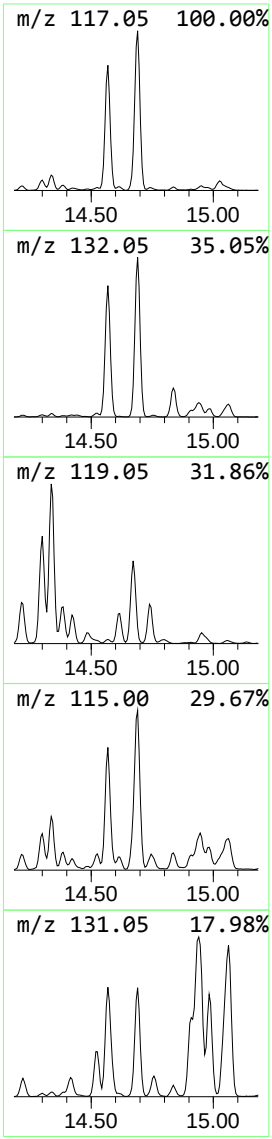
****

Peak Number 15 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	41.51 ug/l	4154950	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
4	Indan, 1-methyl-	132	C10H12	000767-58-8	74
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004902.D
Acq On : 27 May 2021 15:47
Operator : SY/MD
Sample : M2535-04
Misc : 6.68G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GHOST-4D

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	434.6	ug/l	19184000	1	7.801	2206890	50.0
Butane, 2,3-dim...	4.710	321.4	ug/l	14186500	1	7.801	2206890	50.0
Pentane, 3-methyl-	5.253	135.1	ug/l	5960850	1	7.801	2206890	50.0
Pentane, 2,4-di...	6.697	66.8	ug/l	2946770	1	7.801	2206890	50.0
Cyclopentane, m...	6.801	56.6	ug/l	2497880	1	7.801	2206890	50.0
Pentane, 2,3-di...	7.880	87.3	ug/l	3853770	1	7.801	2206890	50.0
Cyclopentane, 1...	8.283	61.9	ug/l	1519850	2	8.697	1228140	50.0
Hexane, 2,2-dim...	8.331	145.3	ug/l	3567990	2	8.697	1228140	50.0
Pentane, 2,3,4-...	9.618	31.0	ug/l	760483	2	8.697	1228140	50.0
Pentane, 2,3,3-...	9.752	40.7	ug/l	999462	2	8.697	1228140	50.0
Benzene, 1-ethy...	12.739	49.2	ug/l	4920660	4	13.428	5004750	50.0
Indane	13.629	47.6	ug/l	4768030	4	13.428	5004750	50.0
Benzene, 1-ethy...	13.977	32.2	ug/l	3226580	4	13.428	5004750	50.0
1H-Indene, 2,3-...	14.568	26.0	ug/l	2599550	4	13.428	5004750	50.0
Benzene, 1-ethe...	14.684	41.5	ug/l	4154950	4	13.428	5004750	50.0