LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

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\82Y010224S.M
Title : SW846 8260

Signal : TIC: VY017060.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.266	63	73	81	rBV	22957	40217	6.25%	0.681%
2	2.930	173	182	193	rBV	46643	104588	16.26%	1.772%
3	3.284	231	240	252	rVB3	21760	53864	8.38%	0.912%
4	3.473	265	271	279	rVB2	3491	8616	1.34%	0.146%
5	3.723	306	312	322	rVB3	5829	14947	2.32%	0.253%
6	3.973	345	353	363	rVB4	2340	6688	1.04%	0.113%
7	4.759	469	482	486	rBV3	20259	65144	10.13%	1.104%
8	5.277	555	567	580	rVB2	9840	34499	5.36%	0.584%
9	5.789	637	651	665	rBV4	20656	63567	9.89%	1.077%
10	6.576	770	780	787	rVB7	2517	7994	1.24%	0.135%
11	6.722	794	804	811	rBV2	3800	10724	1.67%	0.182%
12	6.826	812	821	831	rVB2	13892	41967	6.53%	0.711%
13	7.015	842	852	860	rBV	3097	10496	1.63%	0.178%
14	7.551	932	940	948	rBV5	4541	11420	1.78%	0.193%
15	7.746	961	972	977	rBV	71724	173485	26.98%	2.939%
16	7.813	977	983	992	rVV	155377	368590	57.32%	6.244%
17	7.899	992	997	1007	rVB3	8020	19421	3.02%	0.329%
18	8.027	1009	1018	1026	rBV3	17208	40908	6.36%	0.693%
19	8.173	1032	1042	1056	rVB2	85818	240609	37.42%	4.076%
20	8.301	1056	1063	1065	rVV4	7431	14884	2.31%	0.252%
21	8.350	1065	1071	1081	rVV	24155	69394	10.79%	1.176%
22	8.441	1081	1086	1096	rVB3	5111	11874	1.85%	0.201%
23	8.569	1099	1107	1117	rBV	20745	42441	6.60%	0.719%
24	8.710	1122	1130	1151	rBV	258899	525951	81.79%	8.910%
25	9.209	1200	1212	1218	rBV3	28848	70526	10.97%	1.195%
26	9.264	1218	1221	1227	rVB5	5689	10297	1.60%	0.174%
27	9.392	1237	1242	1248	rVB3	4775	9212	1.43%	0.156%
28	9.636	1275	1282	1290	rVB2	12658	25779	4.01%	0.437%
29	9.770	1290	1304	1310	rBV4	15873	41105	6.39%	0.696%
30	9.837	1310	1315	1319	rBV2	7849	13421	2.09%	0.227%
31	9.978	1329	1338	1349	rBV2	8962	20762	3.23%	0.352%
32	10.197	1367	1374	1380	rBV	306744	538967	83.81%	9.130%
33	10.264	1380	1385	1392	rVB	371464	622753	96.84%	10.549%
34	10.386	1398	1405	1412	rVB3	15819	33349	5.19%	0.565%
35	10.593	1434	1439	1443	rVV	7813	15736	2.45%	0.267%
36	10.630	1443	1445	1452	rVB5	6361	12216	1.90%	0.207%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

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\82Y010224S.M
Title : SW846 8260

37	11.057	1511	1515	1520	rVV2	6736	11282	1.75%	0.191%
38	11.105	1520	1523	1529	rVB3	3901	6559	1.02%	0.111%
39	11.307	1547	1556	1566	rVB7	4413	13683	2.13%	0.232%
40	11.508	1582	1589	1600	rVV	396568	643047	100.00%	10.893%
41	11.611	1600	1606	1615	rVV	67525	112825	17.55%	1.911%
42	11.715	1615	1623	1633	rVV	182228	348916	54.26%	5.911%
43	12.044	1667	1677	1687	rBV	79149	137320	21.35%	2.326%
44	12.264	1709	1713	1722	rVB9	3642	8695	1.35%	0.147%
45	12.349	1722	1727	1733	rBV2	11964	20565	3.20%	0.348%
46	12.502	1745	1752	1763	rVB	210606	339091	52.73%	5.744%
47	12.691	1775	1783	1787	rBV	13559	22049	3.43%	0.374%
48	12.752	1787	1793	1797	rVV	40064	67385	10.48%	1.141%
49	12.782	1797	1798	1802	rVV	18142	21750	3.38%	0.368%
50	12.831	1802	1806	1811	rVV2	20411	33917	5.27%	0.575%
51	12.910	1815	1819	1825	rVB3	5176	8814	1.37%	0.149%
52	12.989	1825	1832	1839	rBV	17333	27232	4.23%	0.461%
53	13.136	1850	1856	1862	rBV	48588	74737	11.62%	1.266%
54	13.447	1900	1907	1921	rVB	330750	544944	84.74%	9.231%
55	13.642	1930	1939	1943	rBV2	15318	25289	3.93%	0.428%
56	13.684	1943	1946	1955	rVB4	6411	13587	2.11%	0.230%
57	13.989	1990	1996	2002	rVB4	5127	9398	1.46%	0.159%
58	14.099	2009	2014	2019	rVB2	5403	8260	1.28%	0.140%
59	14.702	2105	2113	2118	rBV4	4445	7454	1.16%	0.126%

Sum of corrected areas: 5903210

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
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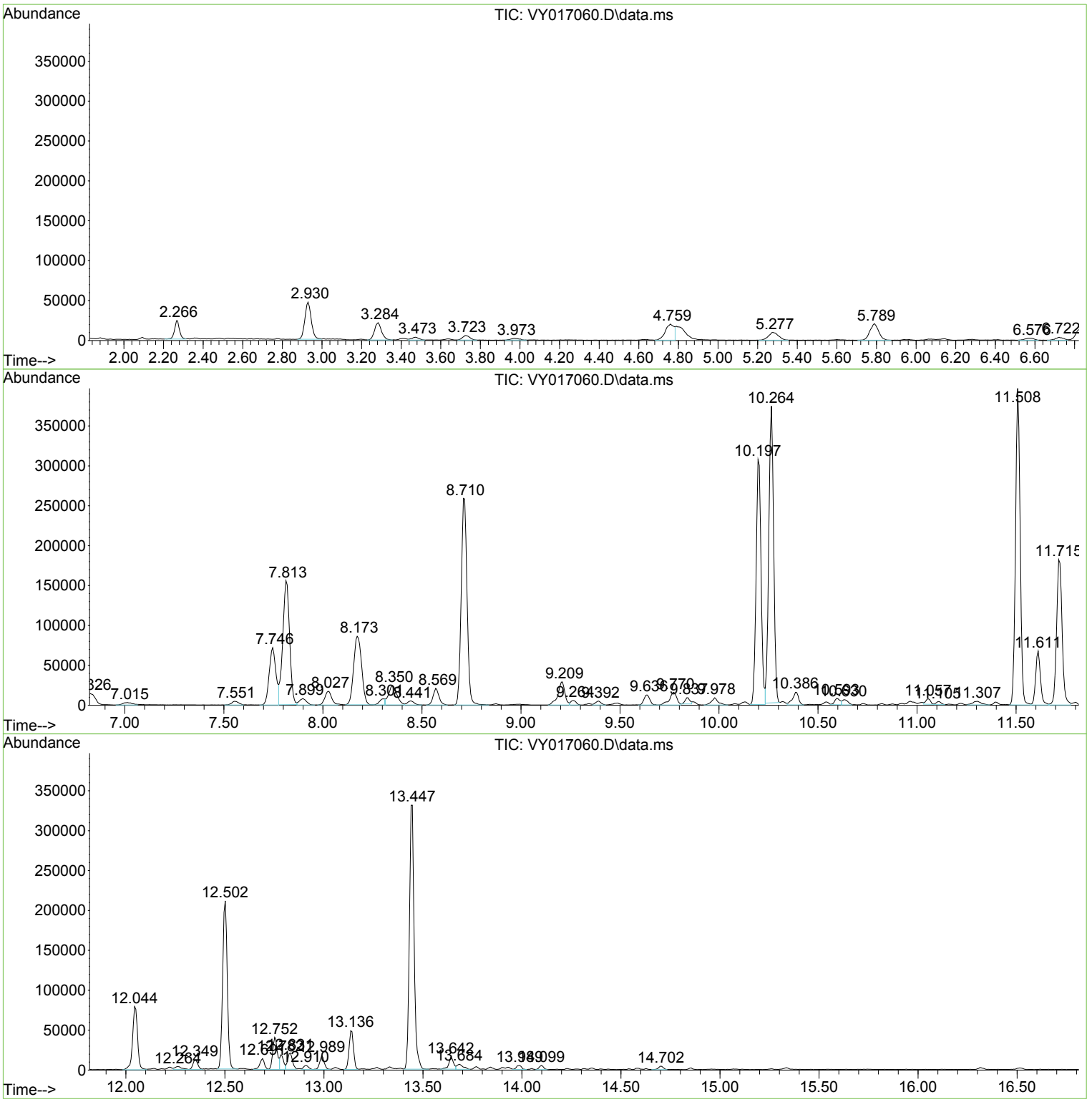
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
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Instrument :
MSVOA_Y
ClientSampleId :
72-11977

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

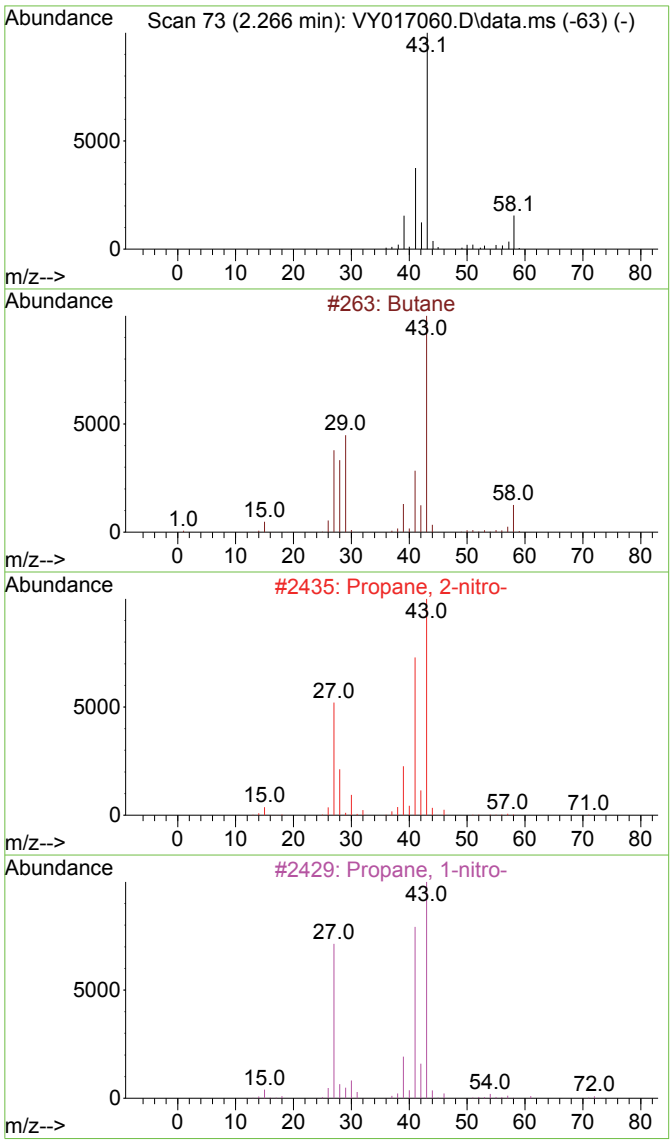
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

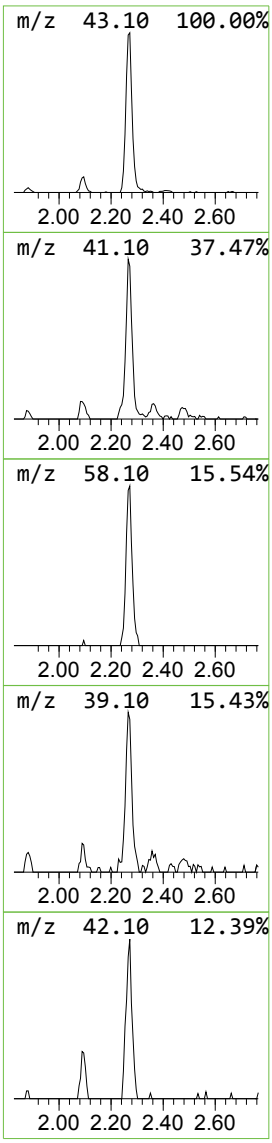
****

Peak Number 1 Butane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.266	5.46 ug/l	40217	Pentafluorobenzene	7.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	80
2	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
3	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
4	Diazene, dimethyl-	58	C2H6N2	000503-28-6	4
5	Isobutane	58	C4H10	000075-28-5	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

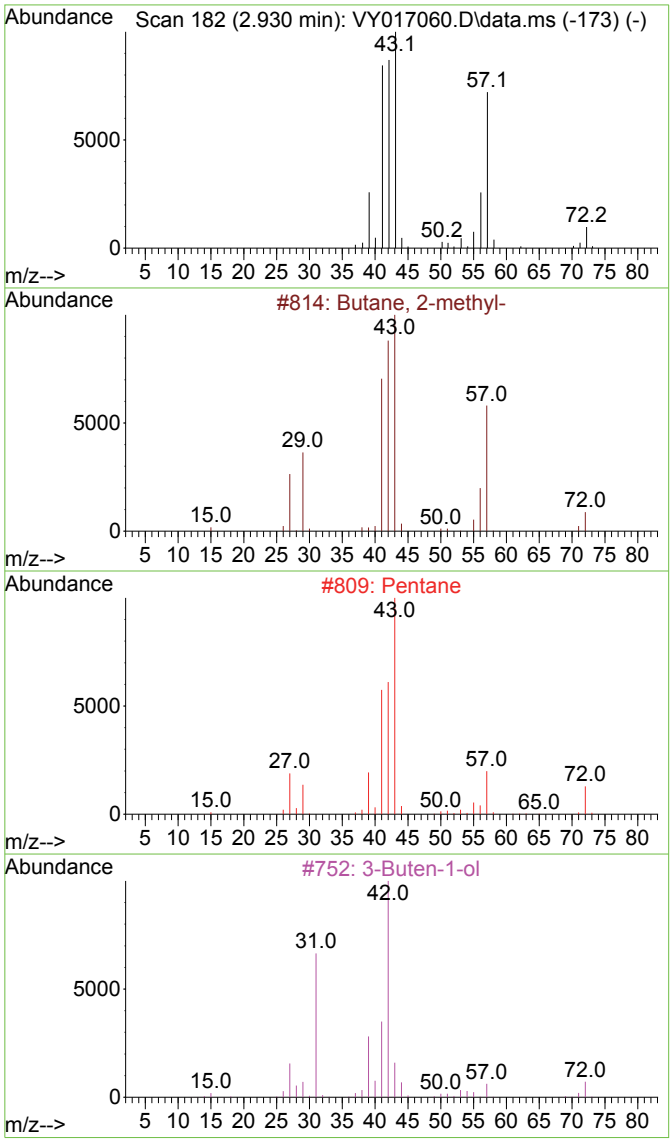
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

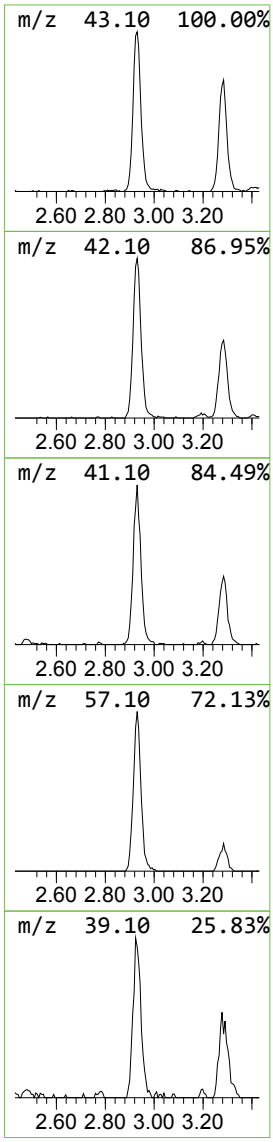
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.930	14.19 ug/l	104588	Pentafluorobenzene	7.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Pentane	72	C5H12	000109-66-0	50
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	1-Butene	56	C4H8	000106-98-9	10
5	Propane, 2-methyl-2-nitro-	103	C4H9NO2	000594-70-7	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

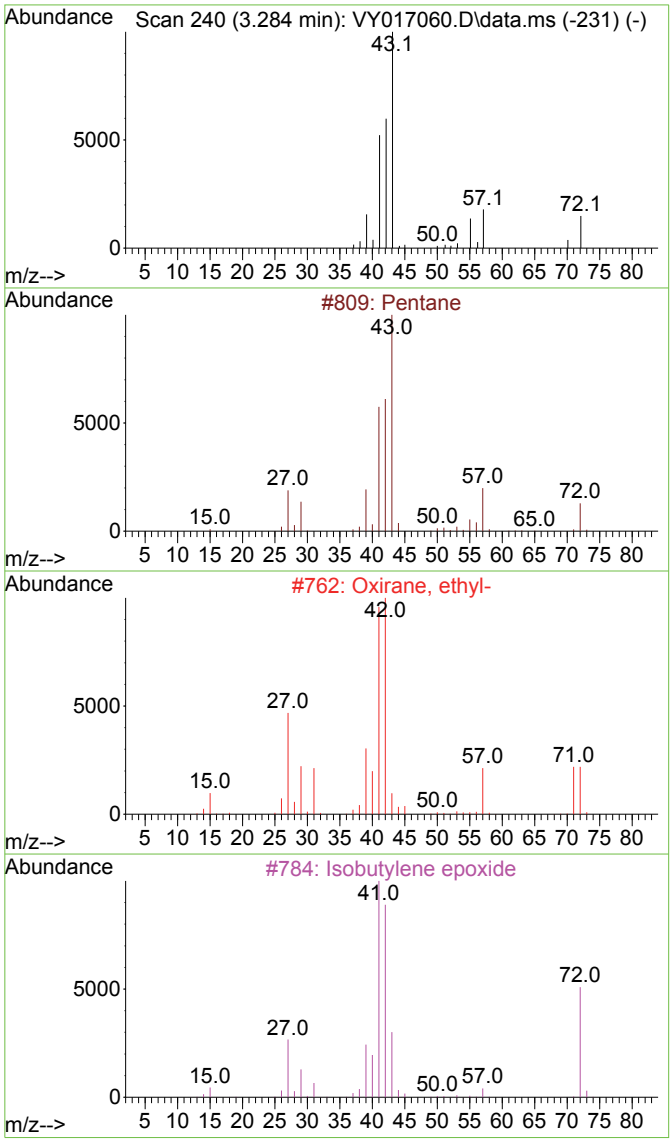
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

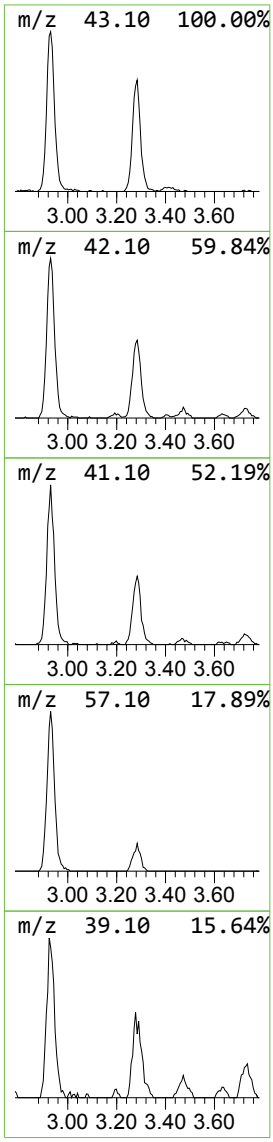
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.284	7.31 ug/l	53864	Pentafluorobenzene	7.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	53
3	Isobutylene epoxide	72	C4H8O	000558-30-5	40
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	36
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

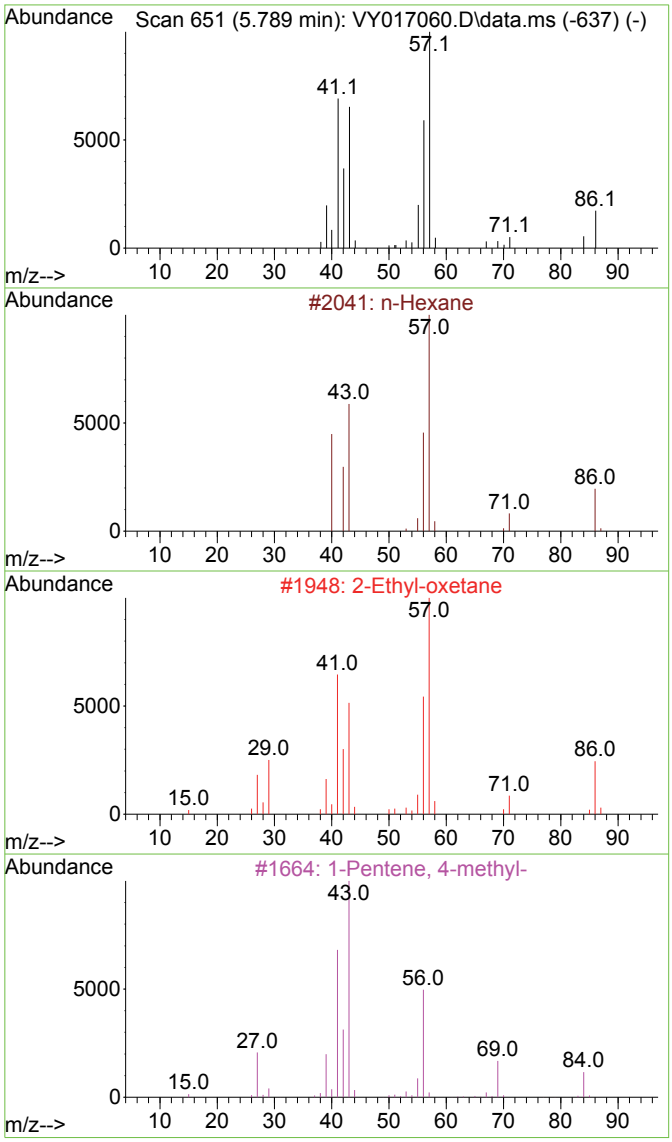
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

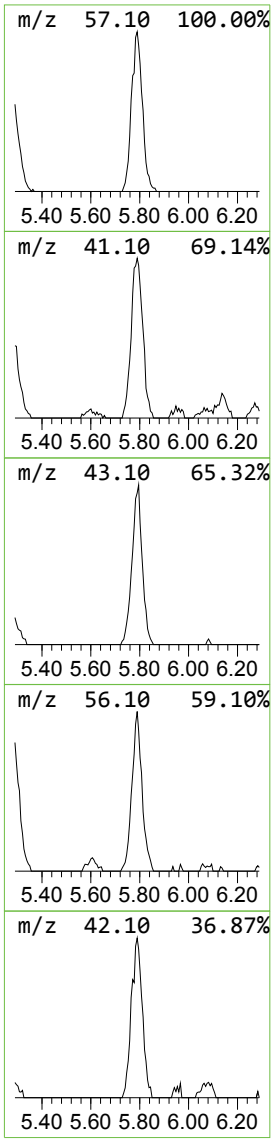
****

Peak Number 5 n-Hexane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.789	8.62 ug/l	63567	Pentafluorobenzene	7.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	80
2	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	64
3	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	50
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	43
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

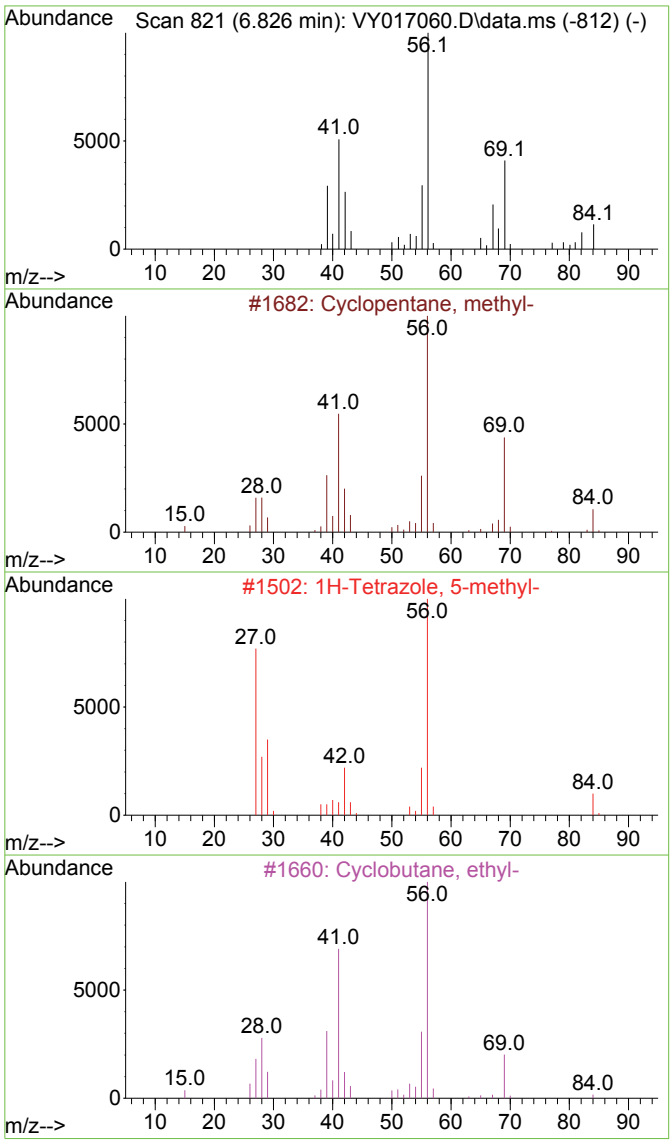
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

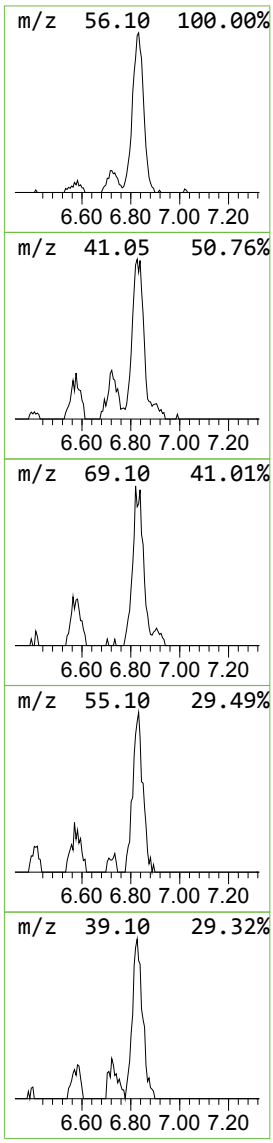
****

Peak Number 6 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.826	5.69 ug/l	41967	Pentafluorobenzene	7.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	74
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47
4	Cyclobutane, 1,2-diethyl-, cis-	112	C8H16	061141-50-2	36
5	Cyclobutane	56	C4H8	000287-23-0	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

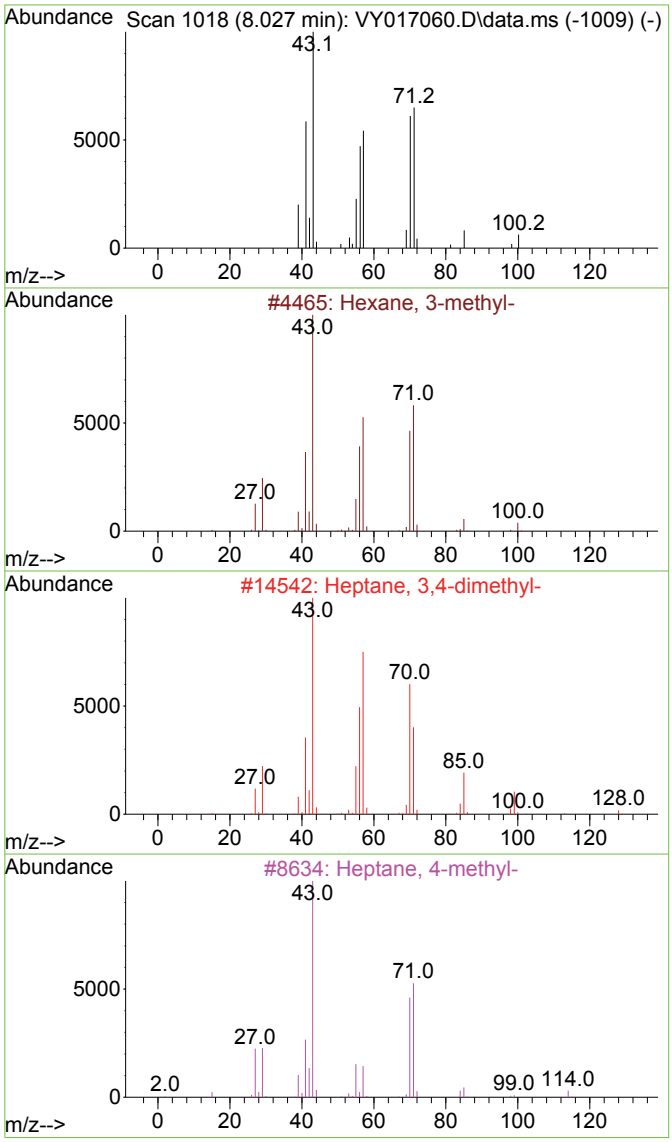
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

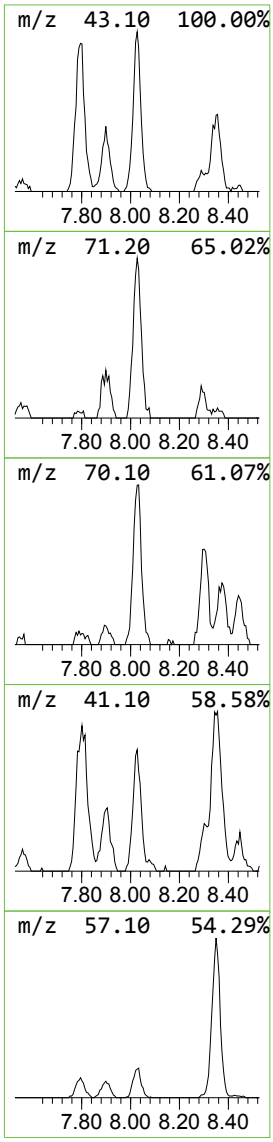
****

Peak Number 7 Hexane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.027	5.55 ug/l	40908	Pentafluorobenzene	7.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
2	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

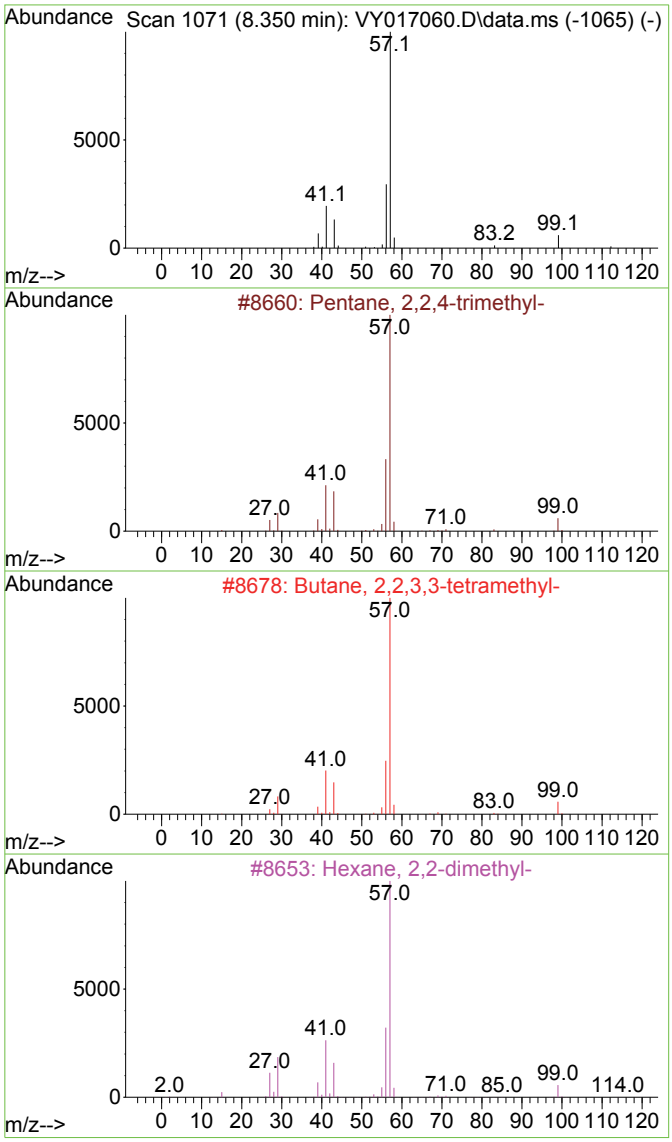
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

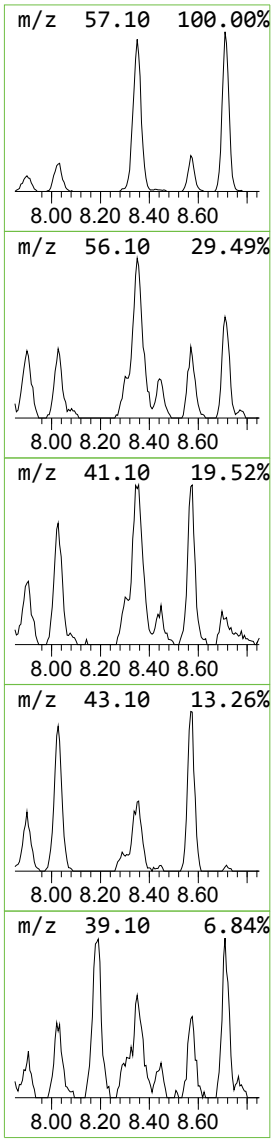
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pentane, 2,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.350	6.60 ug/l	69394	1,4-Difluorobenzene	8.716

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	40
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	40
4	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	38
5	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

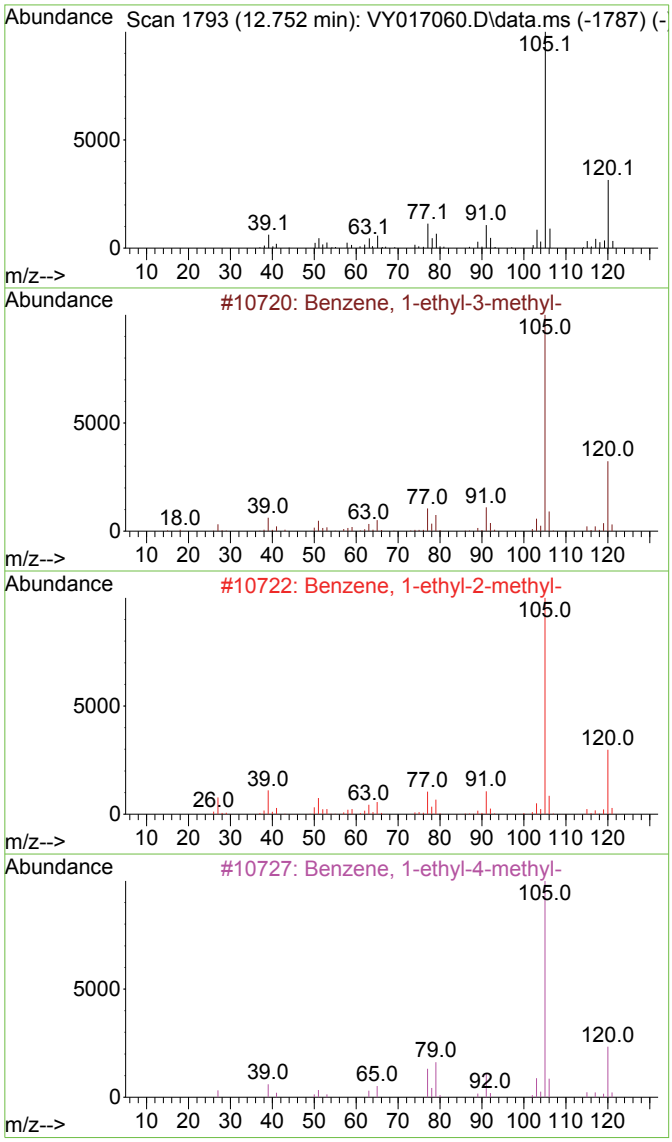
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

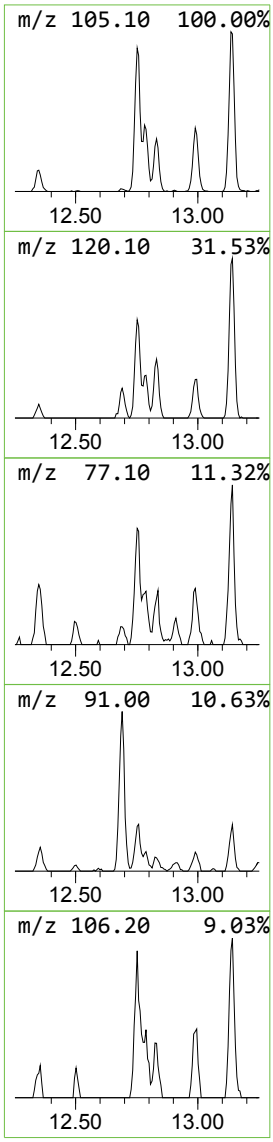
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.752	6.18 ug/l	67385	1,4-Dichlorobenzene-d4	13.447

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
Data File : VY017060.D
Acq On : 19 Jan 2024 16:56
Operator : SY/MD
Sample : P1203-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.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
Butane	2.266	5.5	ug/l	40217	1	7.819	368590	50.0
Butane, 2-methyl-	2.930	14.2	ug/l	104588	1	7.819	368590	50.0
Pentane	3.284	7.3	ug/l	53864	1	7.819	368590	50.0
n-Hexane	5.789	8.6	ug/l	63567	1	7.819	368590	50.0
Cyclopentane, m...	6.826	5.7	ug/l	41967	1	7.819	368590	50.0
Hexane, 3-methyl-	8.027	5.5	ug/l	40908	1	7.819	368590	50.0
Pentane, 2,2,4-...	8.350	6.6	ug/l	69394	2	8.716	525951	50.0
Benzene, 1-ethy...	12.752	6.2	ug/l	67385	4	13.447	544944	50.0