LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
Data File : VY021876.D
Acq On : 14 Apr 2025 17:47
Operator : SY/MD
Sample : Q1787-11
Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021876.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.872	344	353	363	rBV	7798	23125	1.23%	0.163%
2	4.616	464	475	484	rBV3	10090	31972	1.70%	0.225%
3	7.634	959	970	976	rBV	259358	609296	32.44%	4.296%
4	7.707	976	982	991	rVV	391432	920175	48.99%	6.488%
5	7.786	991	995	1006	rVB4	12820	32312	1.72%	0.228%
6	8.060	1031	1040	1053	rBV	198290	443789	23.63%	3.129%
7	8.249	1055	1071	1080	rVV	122215	302753	16.12%	2.135%
8	8.615	1121	1131	1148	rBV	678489	1322256	70.39%	9.322%
9	9.115	1198	1213	1218	rBV3	48491	110551	5.89%	0.779%
10	9.170	1218	1222	1229	rVB2	42470	79338	4.22%	0.559%
11	9.243	1229	1234	1240	rBV	23138	46947	2.50%	0.331%
12	9.383	1248	1257	1265	rVB9	5817	18860	1.00%	0.133%
13	9.542	1273	1283	1293	rBV	249395	477131	25.40%	3.364%
14	9.676	1296	1305	1313	rBV	346119	720083	38.34%	5.077%
15	9.865	1330	1336	1341	rBV2	21890	44493	2.37%	0.314%
16	9.914	1341	1344	1353	rVB2	16664	31044	1.65%	0.219%
17	10.042	1353	1365	1370	rBV	335424	580005	30.88%	4.089%
18	10.109	1370	1376	1387	rVB	1076026	1878375	100.00%	13.243%
19	10.566	1441	1451	1458	rVB	89133	174264	9.28%	1.229%
20	10.639	1458	1463	1469	rVB2	21838	35466	1.89%	0.250%
21	10.731	1469	1478	1484	rBV2	24725	48222	2.57%	0.340%
22	10.828	1490	1494	1502	rVB	39857	79175	4.22%	0.558%
23	10.962	1513	1516	1520	rVV3	13417	21339	1.14%	0.150%
24	11.017	1521	1525	1530	rVV2	20902	36267	1.93%	0.256%
25	11.072	1530	1534	1540	rVV6	16858	31114	1.66%	0.219%
26	11.133	1540	1544	1548	rVV2	24301	40471	2.15%	0.285%
27	11.176	1548	1551	1556	rVV3	25021	44096	2.35%	0.311%
28	11.218	1556	1558	1567	rVB5	18587	37021	1.97%	0.261%
29	11.304	1567	1572	1576	rBV2	19397	33939	1.81%	0.239%
30	11.414	1583	1590	1596	rBV	983448	1670619	88.94%	11.779%
31	11.493	1599	1603	1610	rVB	79510	131053	6.98%	0.924%
32	11.603	1616	1621	1626	rBV7	7544	19025	1.01%	0.134%
33	11.670	1626	1632	1642	rVB	82950	159669	8.50%	1.126%
34	11.822	1651	1657	1660	rBV4	10895	21420	1.14%	0.151%
35	11.865	1660	1664	1668	rBV4	36252	58216	3.10%	0.410%
36	11.938	1673	1676	1682	rVB5	17612	31623	1.68%	0.223%

LSC Area Percent Report

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Operator : SY/MD
Sample : Q1787-11
Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

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\82Y032725S.M
Title : SW846 8260

37	12.048	1687	1694	1699	rVB2	17925	36957	1.97%	0.261%
38	12.127	1699	1707	1710	rBV5	19555	40142	2.14%	0.283%
39	12.298	1729	1735	1740	rBV4	16759	28881	1.54%	0.204%
40	12.407	1745	1753	1760	rBV2	730605	1272983	67.77%	8.975%
41	12.480	1761	1765	1772	rVV3	15694	36899	1.96%	0.260%
42	12.554	1772	1777	1787	rVB2	32513	87599	4.66%	0.618%
43	12.755	1801	1810	1816	rBV5	20249	57372	3.05%	0.404%
44	12.993	1846	1849	1854	rVB	20393	29139	1.55%	0.205%
45	13.102	1862	1867	1871	rVB3	13224	19843	1.06%	0.140%
46	13.206	1881	1884	1889	rVB2	29880	43059	2.29%	0.304%
47	13.346	1900	1907	1913	rBV	826338	1221960	65.05%	8.615%
48	13.407	1913	1917	1927	rVB2	31945	71245	3.79%	0.502%
49	13.517	1930	1935	1938	rBV	34419	53733	2.86%	0.379%
50	13.547	1938	1940	1946	rVV3	25168	47682	2.54%	0.336%
51	13.675	1956	1961	1969	rBV4	16387	29659	1.58%	0.209%
52	13.895	1991	1997	2003	rBV	138487	212189	11.30%	1.496%
53	13.998	2009	2014	2021	rVB2	31915	52653	2.80%	0.371%
54	14.218	2040	2050	2059	rVB	110543	185651	9.88%	1.309%
55	14.303	2059	2064	2067	rBV4	16253	28359	1.51%	0.200%
56	14.602	2106	2113	2118	rVV4	61851	126452	6.73%	0.892%
57	14.657	2118	2122	2128	rVB	20124	30834	1.64%	0.217%
58	14.864	2150	2156	2159	rBV2	31354	46047	2.45%	0.325%
59	14.968	2167	2173	2178	rVB2	29041	55585	2.96%	0.392%
60	15.596	2265	2276	2280	rBV9	6859	23136	1.23%	0.163%

Sum of corrected areas: 14183563

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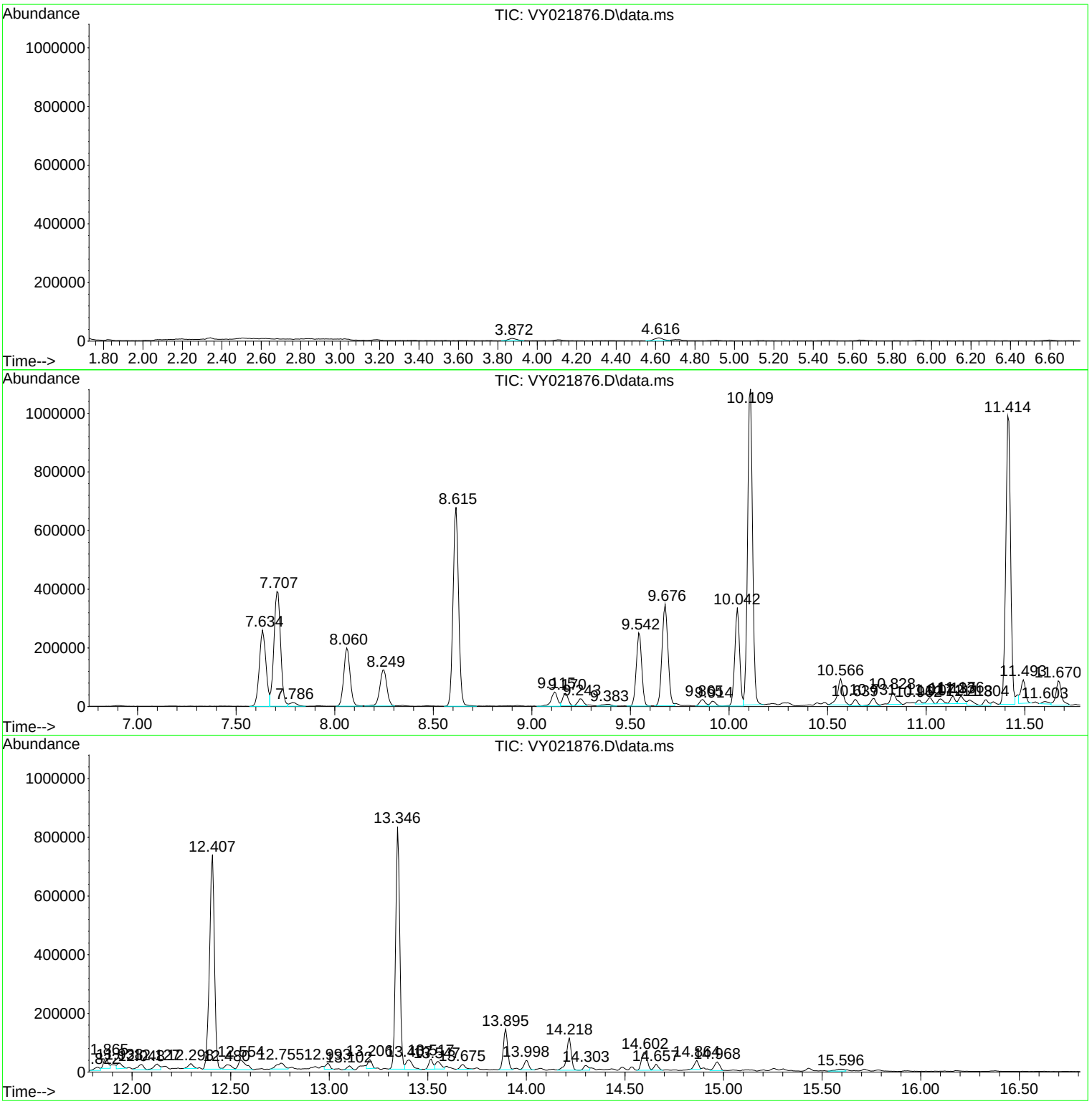
Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



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Data File : VY021876.D
Acq On : 14 Apr 2025 17:47
Operator : SY/MD
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Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

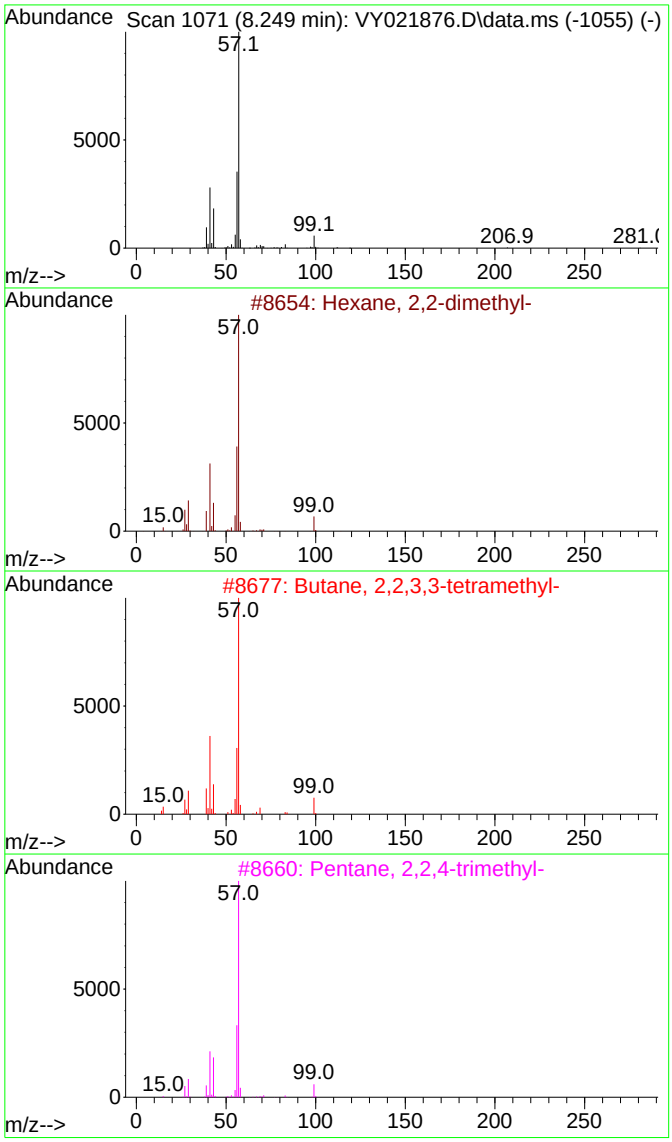
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

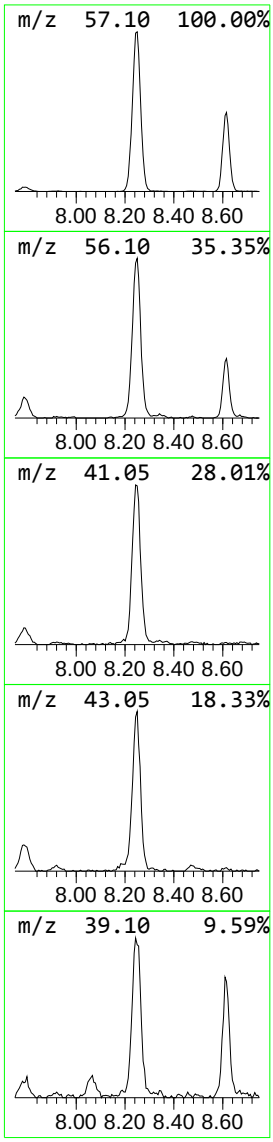
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexane, 2,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.249	11.45 ug/l	302753	1,4-Difluorobenzene	8.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
Data File : VY021876.D
Acq On : 14 Apr 2025 17:47
Operator : SY/MD
Sample : Q1787-11
Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

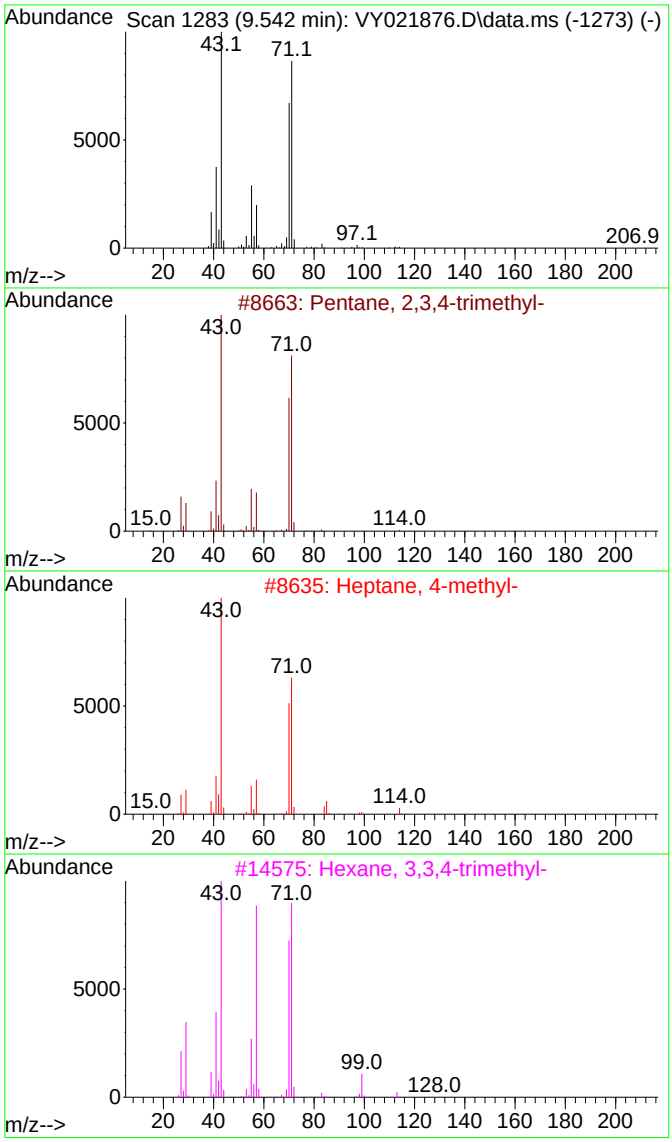
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

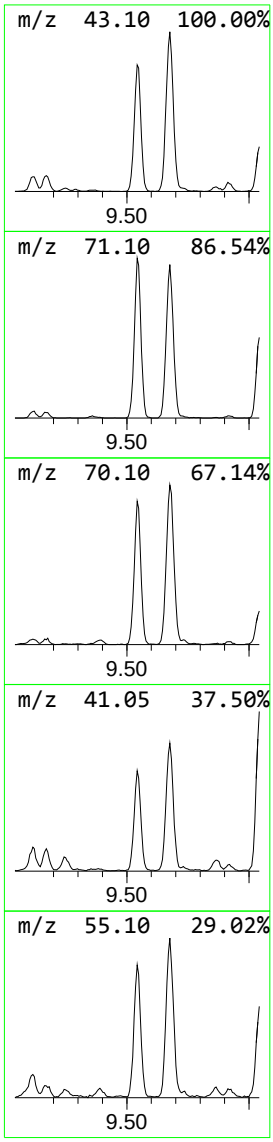
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	18.04 ug/l	477131	1,4-Difluorobenzene	8.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	83
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
Data File : VY021876.D
Acq On : 14 Apr 2025 17:47
Operator : SY/MD
Sample : Q1787-11
Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

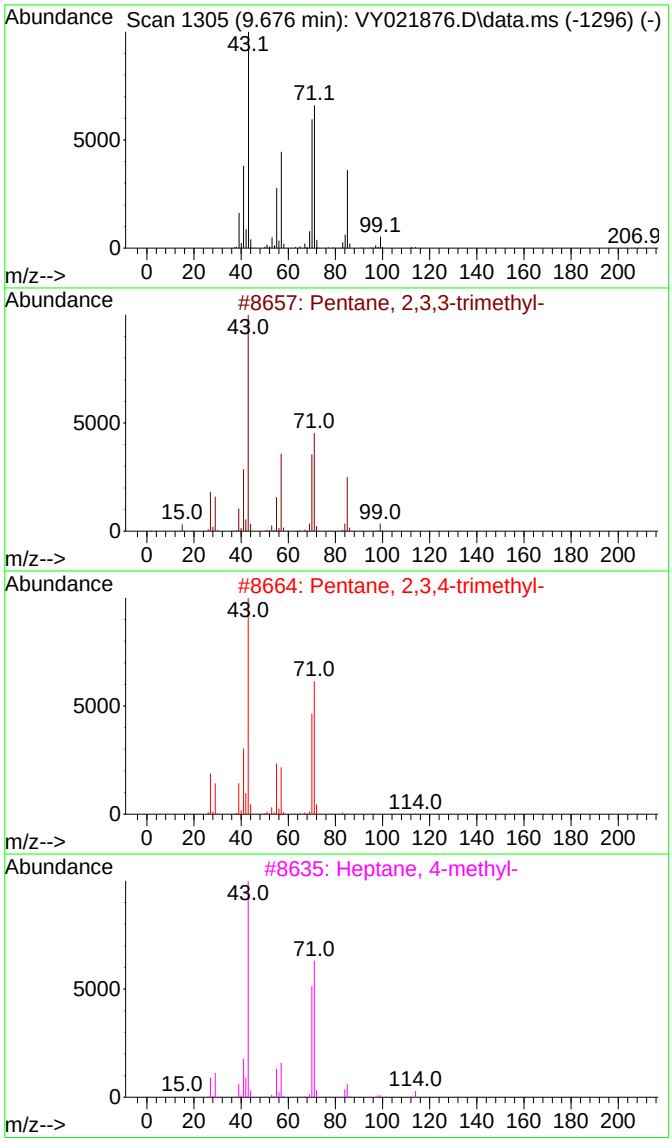
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

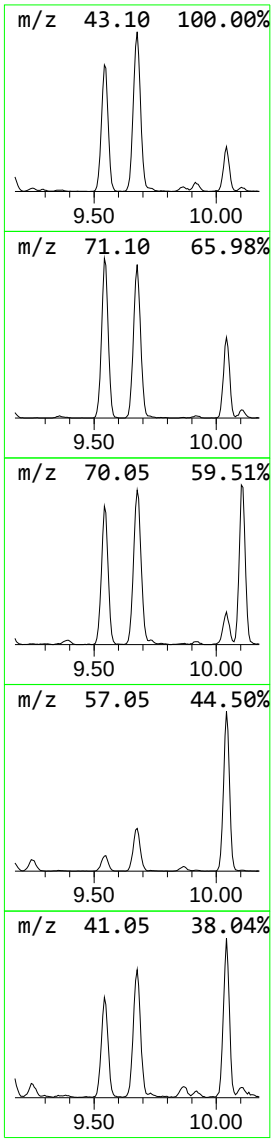
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.676	27.23 ug/l	720083	1,4-Difluorobenzene	8.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	76
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	59
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
Data File : VY021876.D
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Operator : SY/MD
Sample : Q1787-11
Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

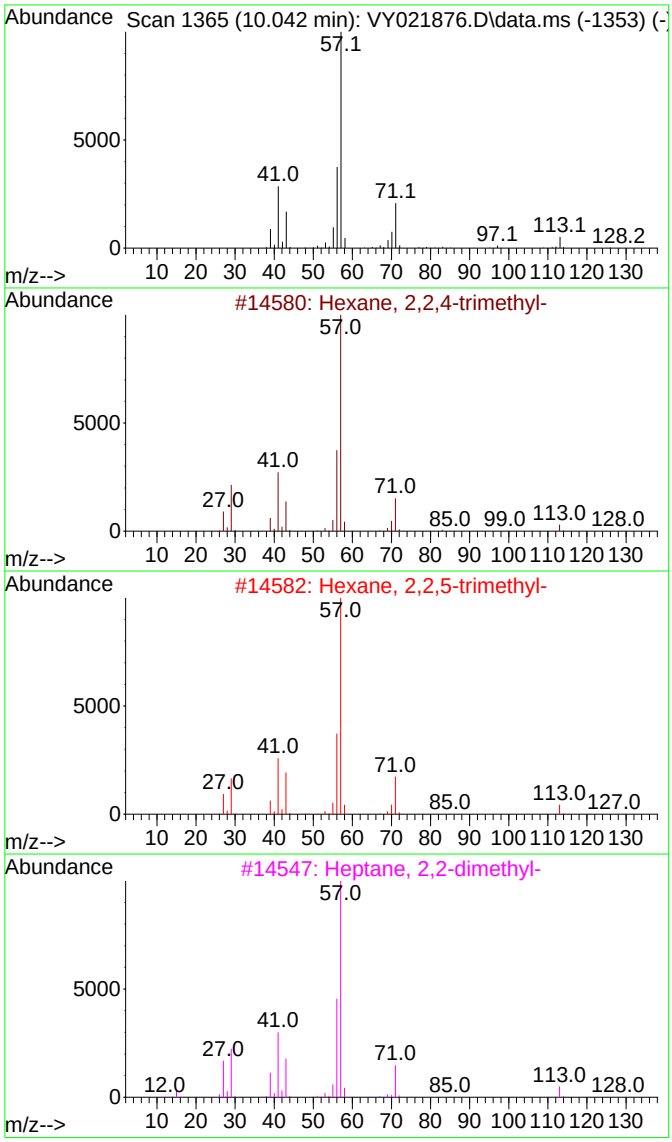
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

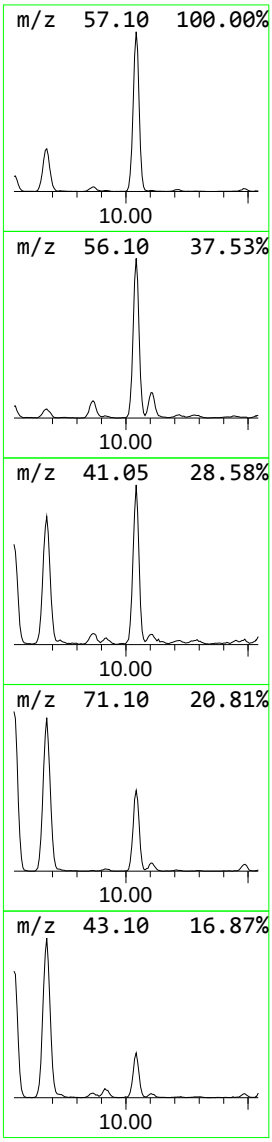
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hexane, 2,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.042	17.36 ug/l	580005	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	86
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
3	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	72
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	50
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	45





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Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

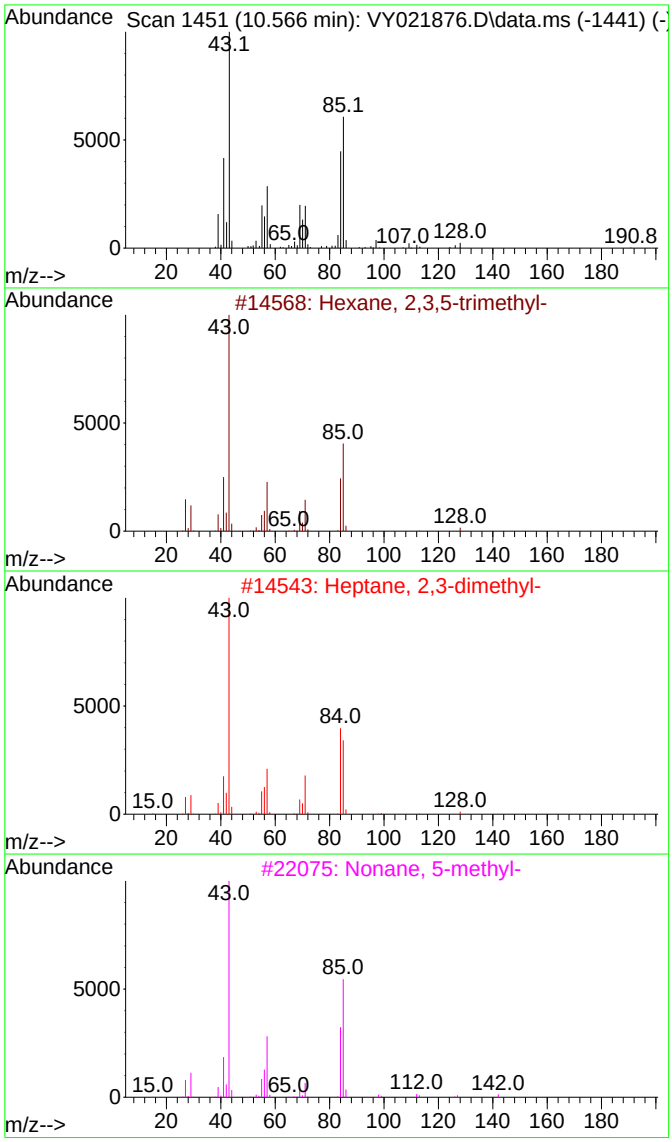
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

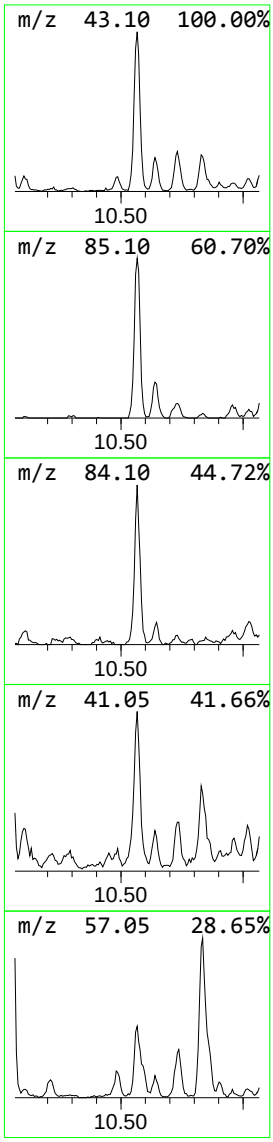
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexane, 2,3,5-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.566	5.22 ug/l	174264	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	72
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
3	Nonane, 5-methyl-	142	C10H22	015869-85-9	59
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	50





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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

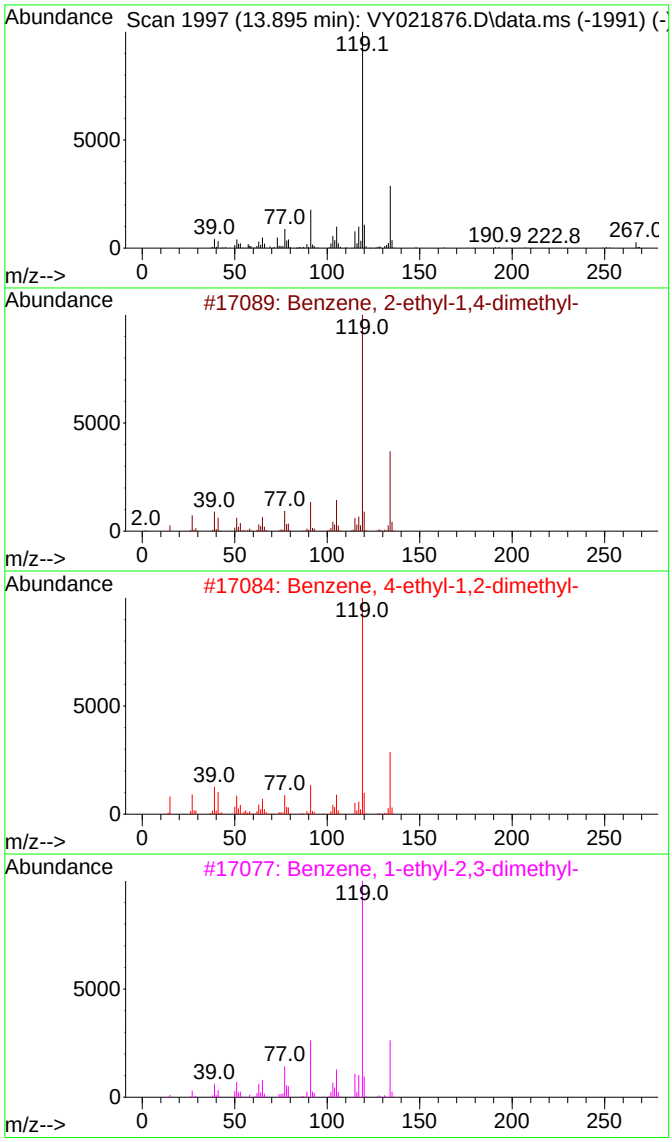
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

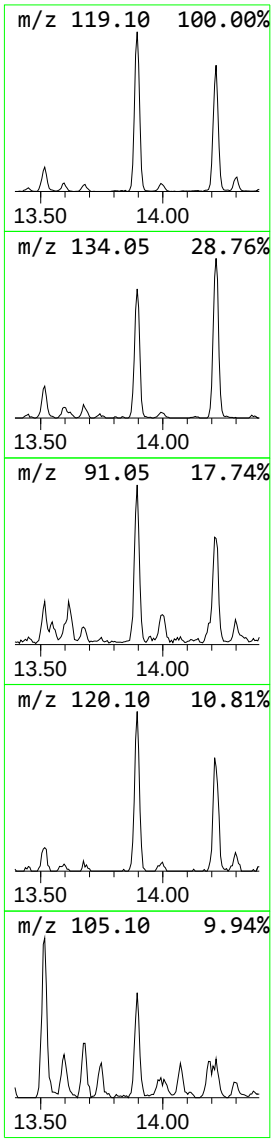
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.895	8.68 ug/l	212189	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	p-Cymene	134	C10H14	000099-87-6	94





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Data File : VY021876.D
Acq On : 14 Apr 2025 17:47
Operator : SY/MD
Sample : Q1787-11
Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

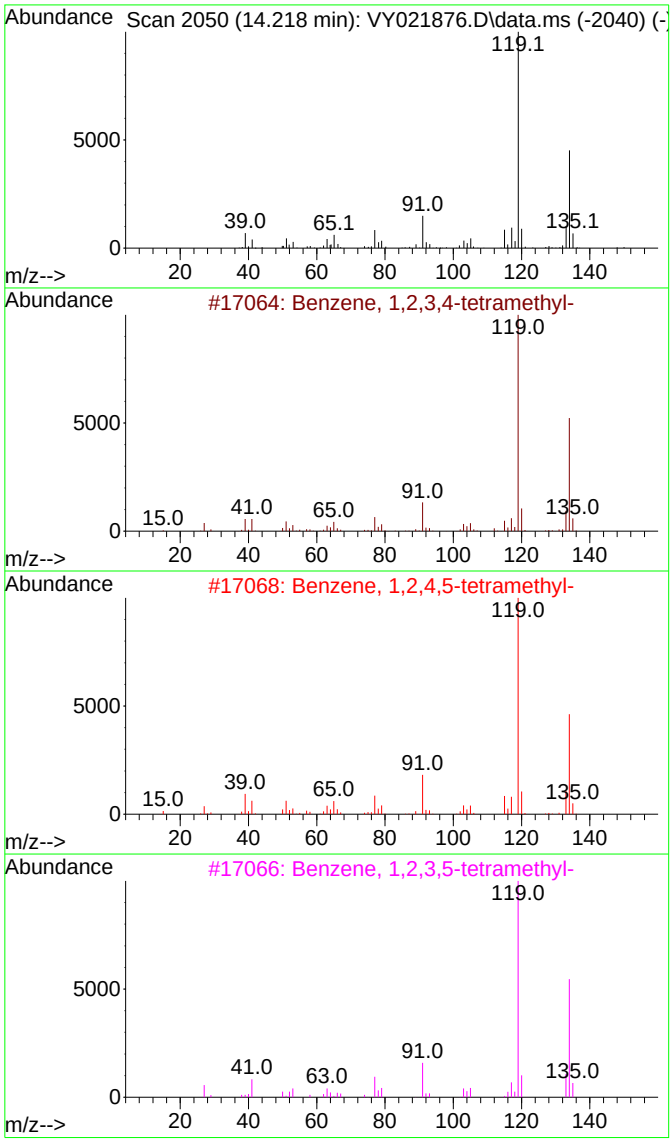
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

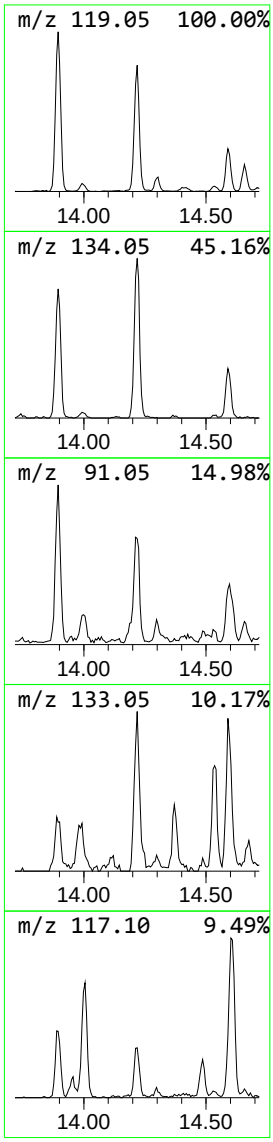
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.218	7.60 ug/l	185651	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
Data File : VY021876.D
Acq On : 14 Apr 2025 17:47
Operator : SY/MD
Sample : Q1787-11
Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

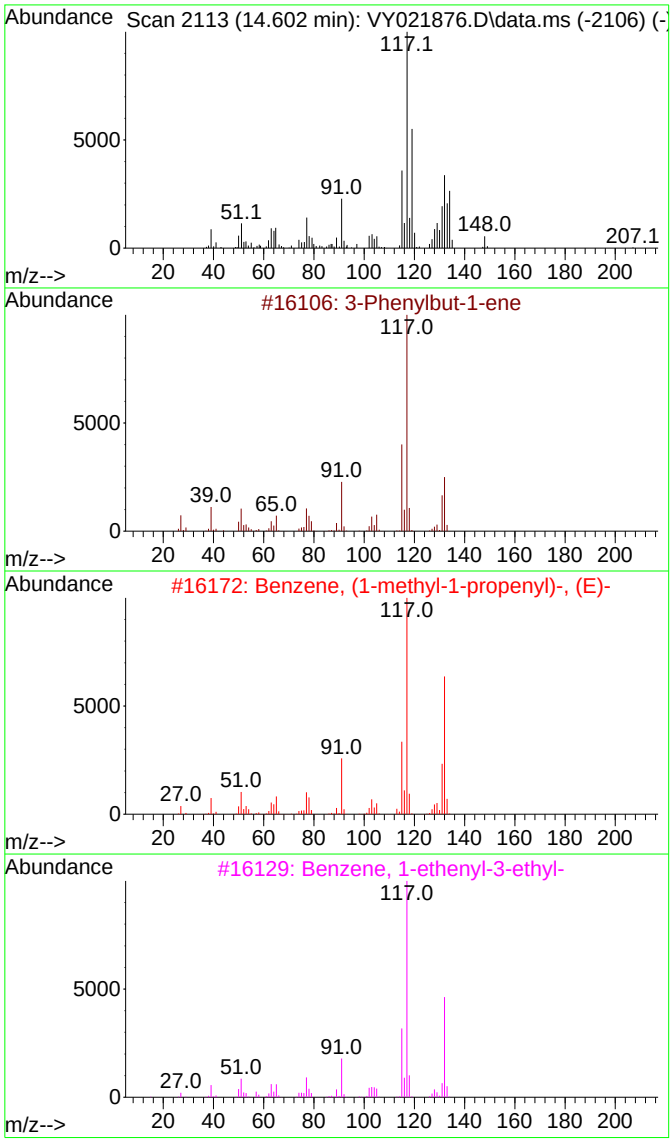
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

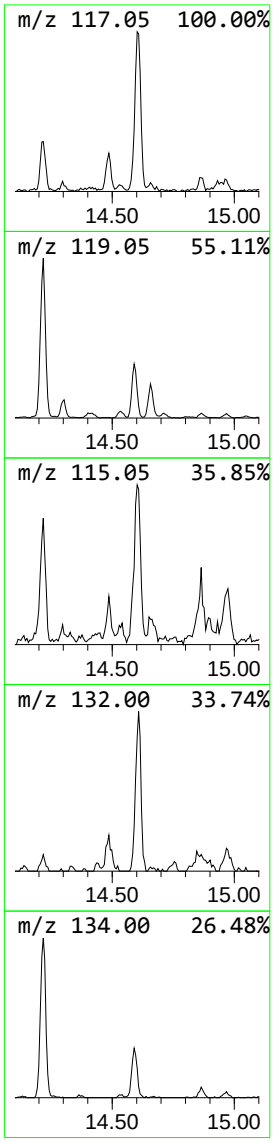
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 3-Phenylbut-1-ene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	5.17 ug/l	126452	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	64
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	60
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
Data File : VY021876.D
Acq On : 14 Apr 2025 17:47
Operator : SY/MD
Sample : Q1787-11
Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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
Hexane, 2,2-dim...	8.249	11.4	ug/l	302753	2	8.615	1322260	50.0
Pentane, 2,3,4-...	9.542	18.0	ug/l	477131	2	8.615	1322260	50.0
Pentane, 2,3,3-...	9.676	27.2	ug/l	720083	2	8.615	1322260	50.0
Hexane, 2,2,4-t...	10.042	17.4	ug/l	580005	3	11.420	1670620	50.0
Hexane, 2,3,5-t...	10.566	5.2	ug/l	174264	3	11.420	1670620	50.0
Benzene, 2-ethy...	13.895	8.7	ug/l	212189	4	13.346	1221960	50.0
Benzene, 1,2,3,...	14.218	7.6	ug/l	185651	4	13.346	1221960	50.0
3-Phenylbut-1-ene	14.602	5.2	ug/l	126452	4	13.346	1221960	50.0