LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021369.D
Acq On : 27 Feb 2025 19:29
Operator : SY/MD
Sample : Q1448-04
Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

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\82Y022525S.M
Title : SW846 8260

Signal : TIC: VY021369.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.032	44	51	69	rBV	793030	1151918	5.38%	0.697%
2	2.196	69	78	88	rVV	2144132	3377643	15.78%	2.042%
3	2.836	171	183	218	rVV	10335788	21411101	100.00%	12.946%
4	3.178	231	239	262	rVV2	2999758	7339696	34.28%	4.438%
5	3.367	262	270	281	rVV	204937	465428	2.17%	0.281%
6	3.525	282	296	302	rVV2	99776	276255	1.29%	0.167%
7	3.617	302	311	334	rVB	860171	2187961	10.22%	1.323%
8	3.854	334	350	375	rVB	834187	2700990	12.61%	1.633%
9	4.488	433	454	461	rBV4	150613	545017	2.55%	0.330%
10	4.604	461	473	474	rVV	1422849	3648026	17.04%	2.206%
11	4.659	476	482	510	rVB3	3676185	14815280	69.19%	8.958%
12	5.128	540	559	589	rBV	2495936	8969121	41.89%	5.423%
13	5.452	599	612	630	rBV2	153630	533278	2.49%	0.322%
14	5.647	630	644	659	rBV	205635	640053	2.99%	0.387%
15	5.817	659	672	680	rBV2	72832	232939	1.09%	0.141%
16	6.000	694	702	713	rVB	270000	843199	3.94%	0.510%
17	6.141	713	725	733	rBV	290183	909322	4.25%	0.550%
18	6.433	763	773	787	rVB3	347328	1131924	5.29%	0.684%
19	6.586	787	798	806	rBV	589640	1897109	8.86%	1.147%
20	6.689	806	815	826	rBV	3760790	11137424	52.02%	6.734%
21	6.878	838	846	863	rVB3	70578	252990	1.18%	0.153%
22	7.439	931	938	949	rVB	506185	1331502	6.22%	0.805%
23	7.695	958	980	989	rBV2	4734629	13342566	62.32%	8.068%
24	7.787	989	995	1007	rVB	1277995	3271441	15.28%	1.978%
25	7.921	1007	1017	1023	rBV	1733785	4189949	19.57%	2.533%
26	7.976	1023	1026	1034	rVV	365169	743767	3.47%	0.450%
27	8.079	1034	1043	1053	rVV	2064403	4687280	21.89%	2.834%
28	8.195	1053	1062	1065	rVV2	1341798	3074984	14.36%	1.859%
29	8.250	1065	1071	1080	rVV	2952915	8871976	41.44%	5.364%
30	8.335	1080	1085	1096	rVV	1311464	3027352	14.14%	1.830%
31	8.439	1096	1102	1115	rVB2	96992	233140	1.09%	0.141%
32	8.610	1121	1130	1143	rBV3	690654	2009348	9.38%	1.215%
33	8.847	1162	1169	1172	rBV	170772	341690	1.60%	0.207%
34	8.890	1172	1176	1191	rVB2	267759	600227	2.80%	0.363%
35	9.110	1194	1212	1218	rBV	6037706	14059658	65.67%	8.501%
36	9.170	1218	1222	1228	rVV	423477	769083	3.59%	0.465%

LSC Area Percent Report

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Acq On : 27 Feb 2025 19:29
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Sample : Q1448-04
Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

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\82Y022525S.M
Title : SW846 8260

37	9.244	1228	1234	1238	rVV	188343	388327	1.81%	0.235%
38	9.292	1238	1242	1249	rVV	544959	987716	4.61%	0.597%
39	9.390	1249	1258	1264	rVV2	327887	707088	3.30%	0.428%
40	9.542	1276	1283	1292	rVB	1709389	3393949	15.85%	2.052%
41	9.640	1292	1299	1300	rBV	850376	1394639	6.51%	0.843%
42	9.676	1300	1305	1312	rVB	2113593	4347107	20.30%	2.628%
43	9.786	1318	1323	1329	rVB3	140949	309091	1.44%	0.187%
44	9.865	1329	1336	1341	rBV2	284162	727362	3.40%	0.440%
45	9.987	1351	1356	1359	rBV	165604	299035	1.40%	0.181%
46	10.036	1359	1364	1369	rVB2	289343	572405	2.67%	0.346%
47	10.103	1369	1375	1379	rBV2	1107283	1996522	9.32%	1.207%
48	10.274	1399	1403	1405	rBV2	201623	339922	1.59%	0.206%
49	10.445	1426	1431	1439	rVB	395709	682247	3.19%	0.413%
50	10.536	1439	1446	1455	rBV4	575530	1316455	6.15%	0.796%
51	10.768	1480	1484	1492	rVB3	128059	273140	1.28%	0.165%
52	10.926	1506	1510	1513	rBV	179607	287709	1.34%	0.174%
53	10.963	1513	1516	1520	rVV	192486	278406	1.30%	0.168%
54	11.323	1567	1575	1582	rBV2	104629	237337	1.11%	0.144%
55	11.414	1585	1590	1596	rBV	345259	566478	2.65%	0.343%
56	11.664	1624	1631	1643	rVB5	105337	273387	1.28%	0.165%
57	12.414	1745	1754	1762	rBV2	344497	711863	3.32%	0.430%
58	13.347	1897	1907	1914	rBV	176762	273835	1.28%	0.166%

Sum of corrected areas: 165384657

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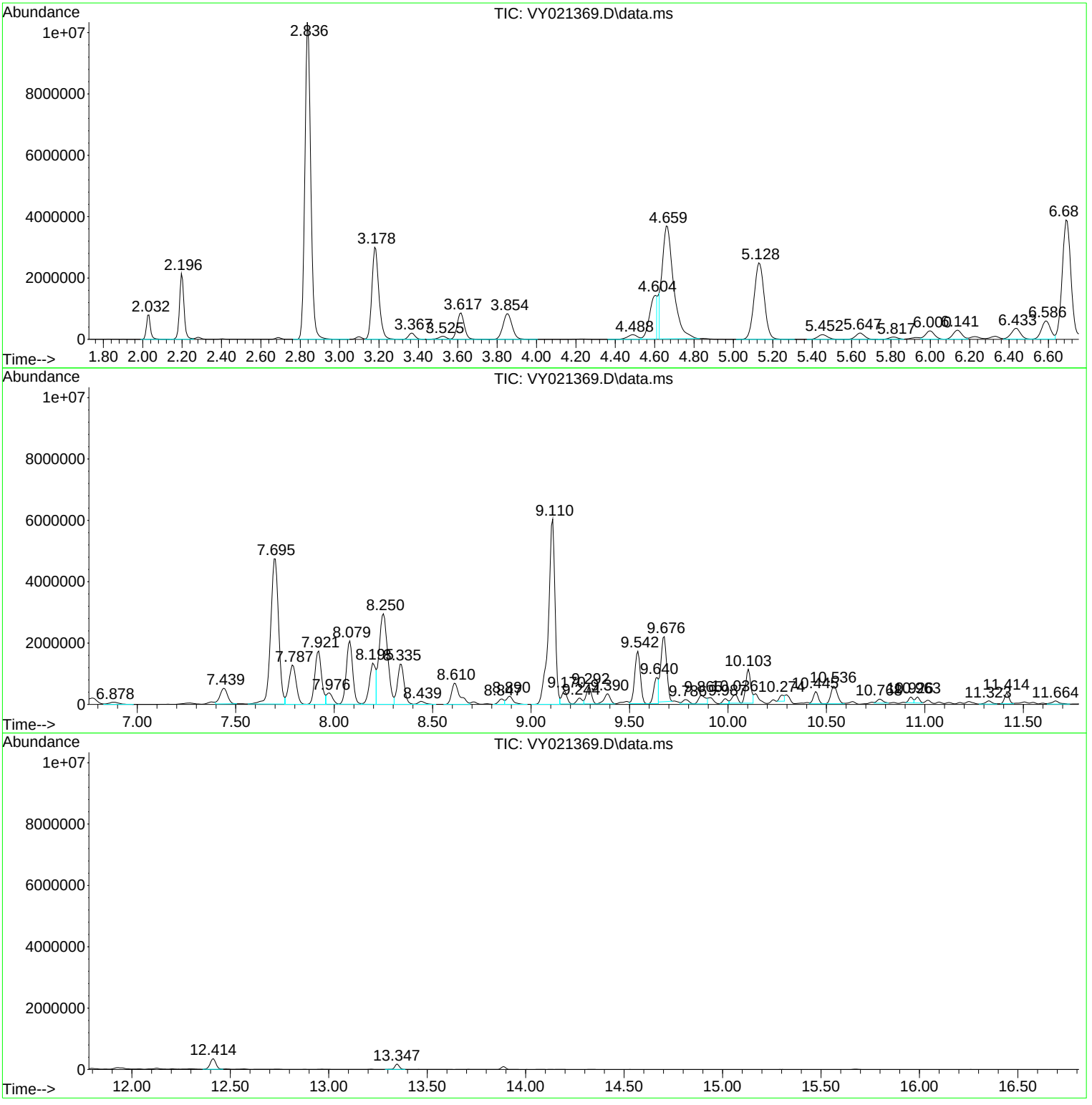
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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



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Acq On : 27 Feb 2025 19:29
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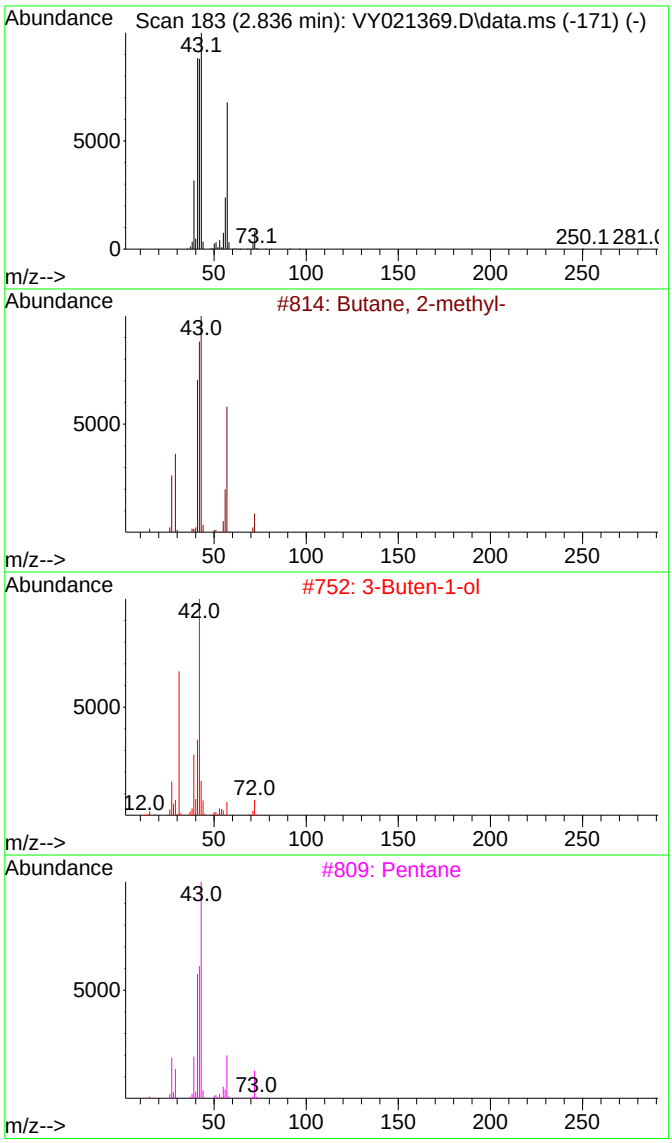
Quant Title : SW846 8260

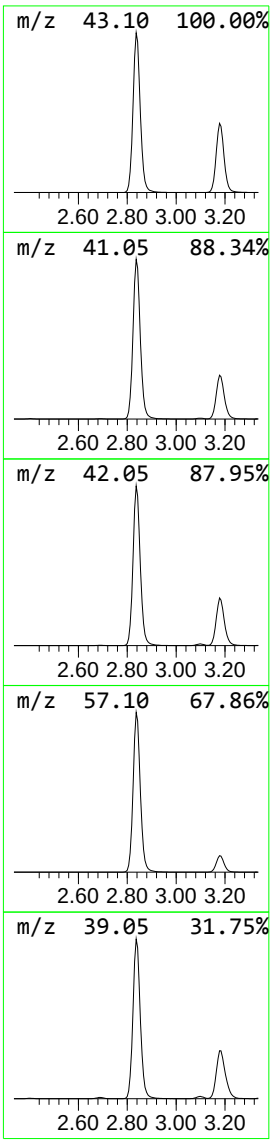
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.836	80.24 ug/l	21411100	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
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	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021369.D
Acq On : 27 Feb 2025 19:29
Operator : SY/MD
Sample : Q1448-04
Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

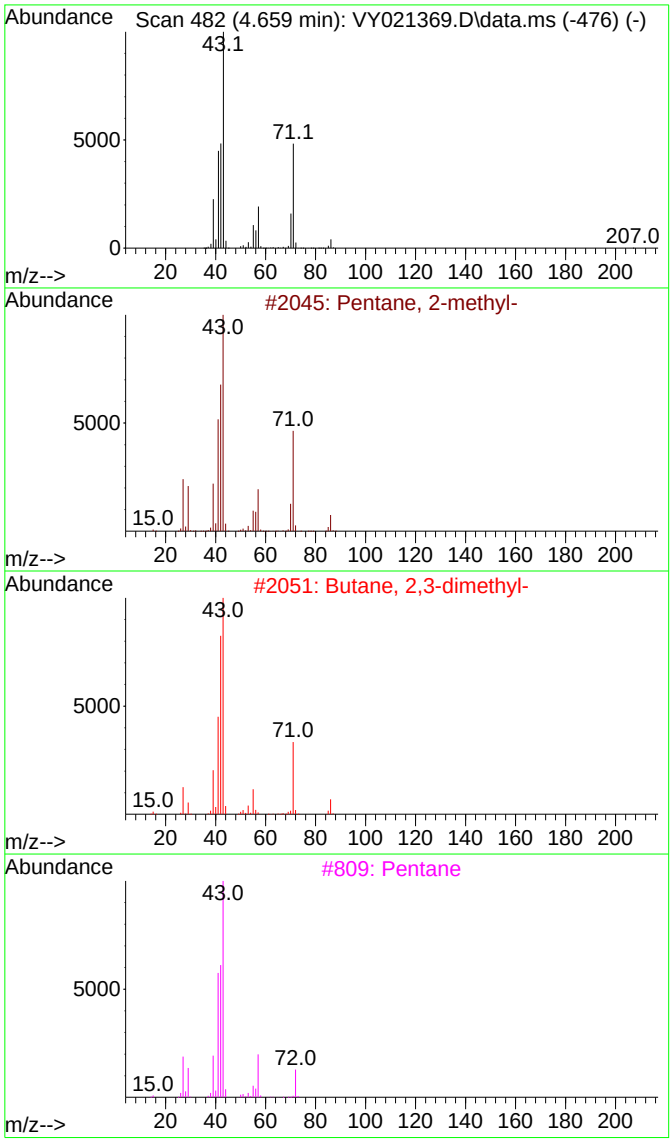
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

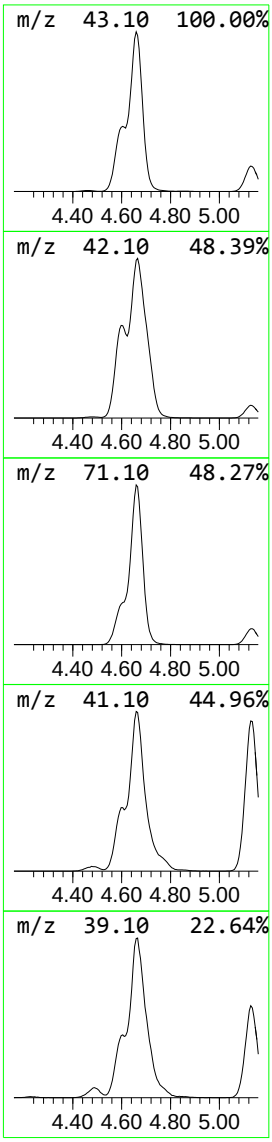
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.659	55.52 ug/l	14815300	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
3	Pentane	72	C5H12	000109-66-0	43
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	40
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021369.D
Acq On : 27 Feb 2025 19:29
Operator : SY/MD
Sample : Q1448-04
Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

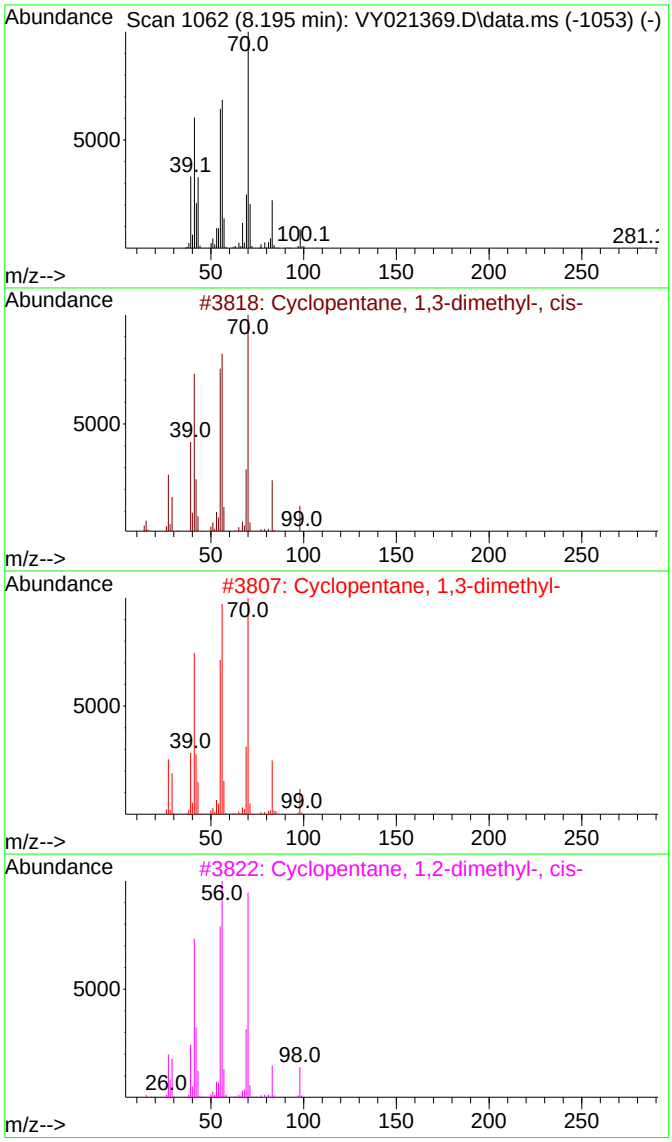
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

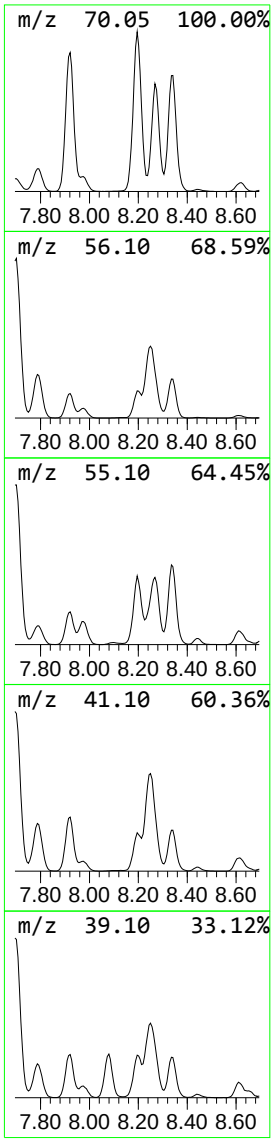
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentane, 1,3-dimethyl-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.195	76.52 ug/l	3074980	1,4-Difluorobenzene	8.610

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	64
5	1-Pentene, 3,4-dimethyl-	98	C7H14	007385-78-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021369.D
Acq On : 27 Feb 2025 19:29
Operator : SY/MD
Sample : Q1448-04
Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

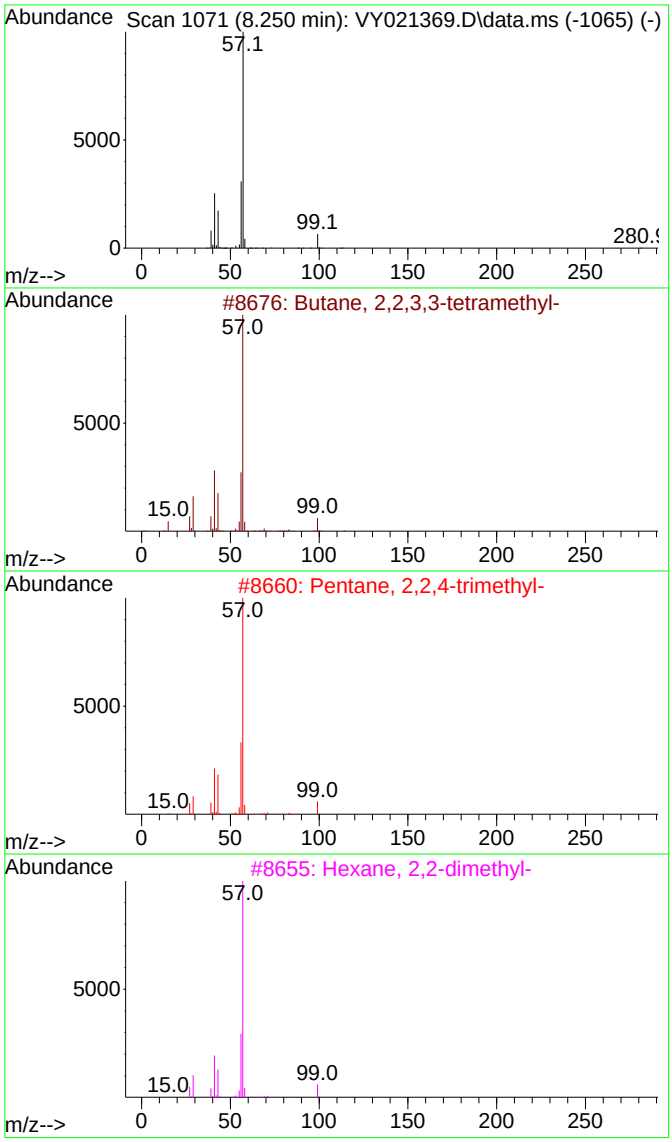
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

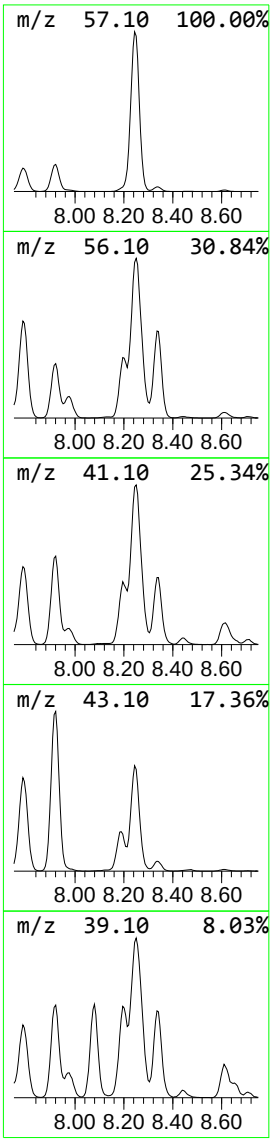
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.250	220.77 ug/l	8871980	1,4-Difluorobenzene	8.610

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	43
5	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	42





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Operator : SY/MD
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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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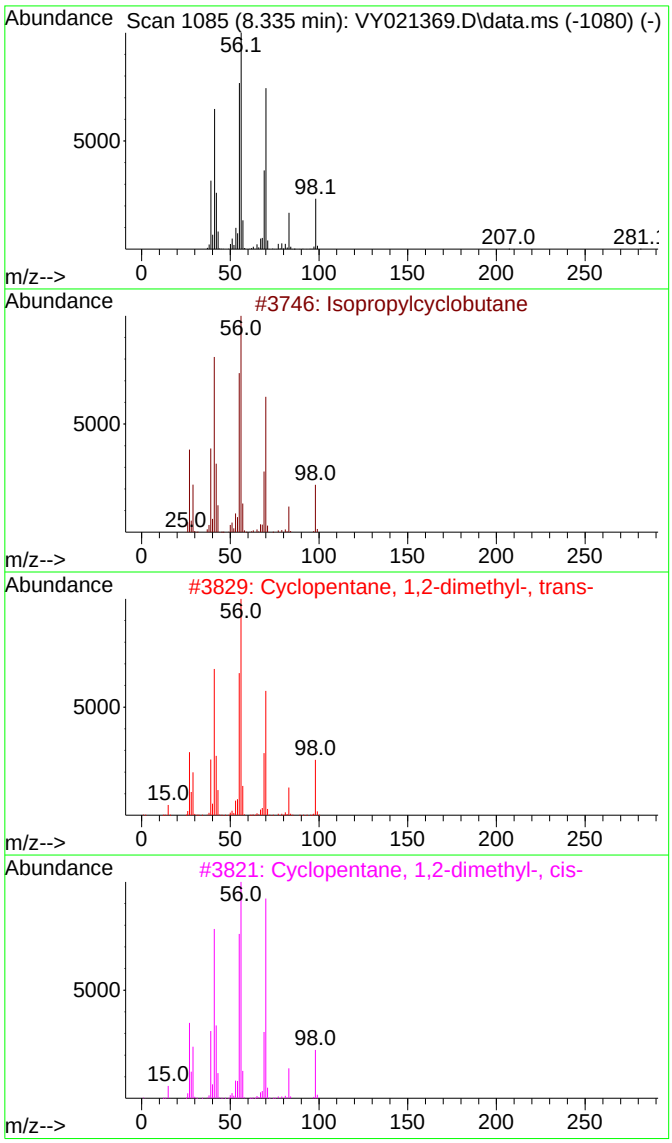
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

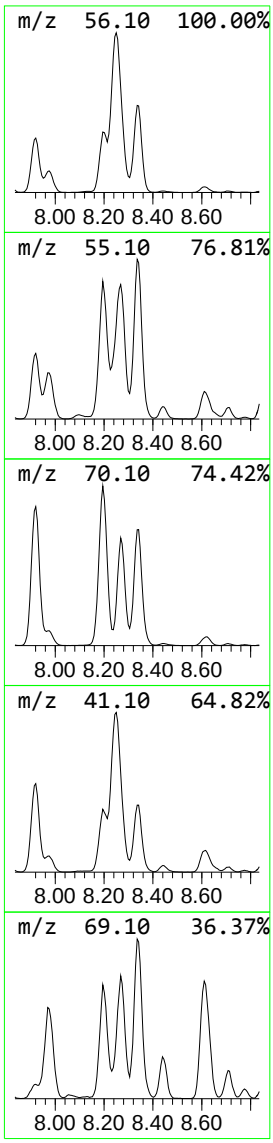
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Isopropylcyclobutane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.335	75.33 ug/l	3027350	1,4-Difluorobenzene	8.610

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	95
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
5	1-Heptene	98	C7H14	000592-76-7	91





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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

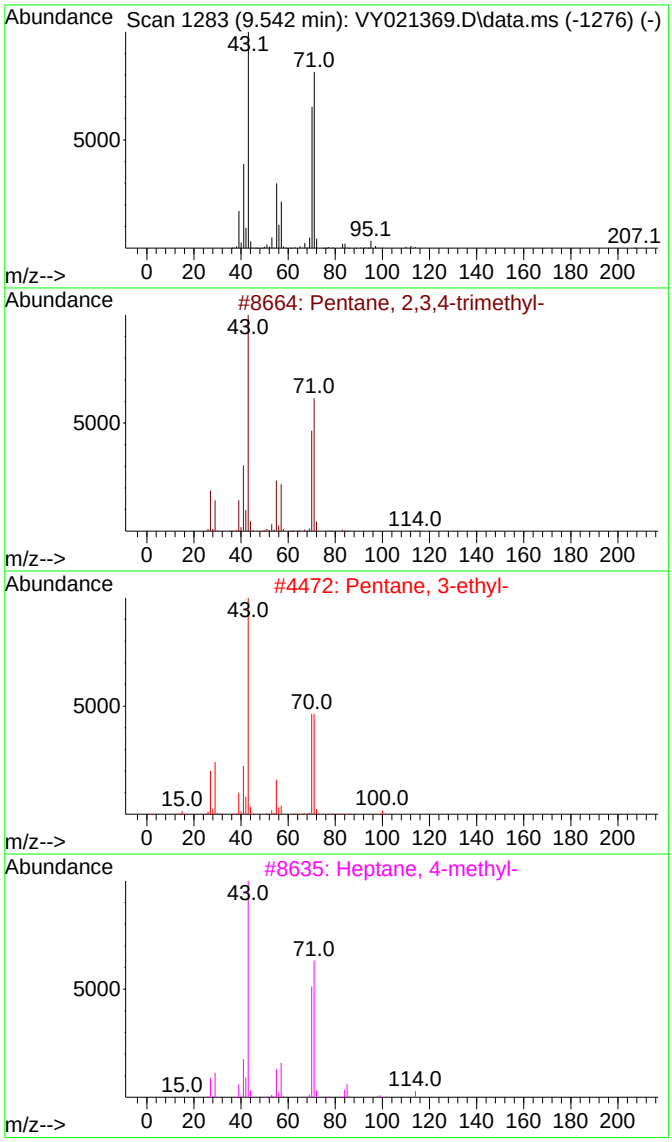
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

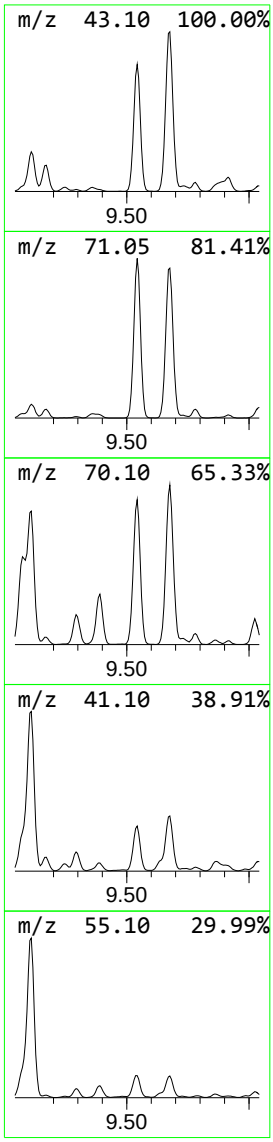
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	84.45 ug/l	3393950	1,4-Difluorobenzene	8.610

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





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Instrument :
MSVOA_Y
ClientSampleId :
P3

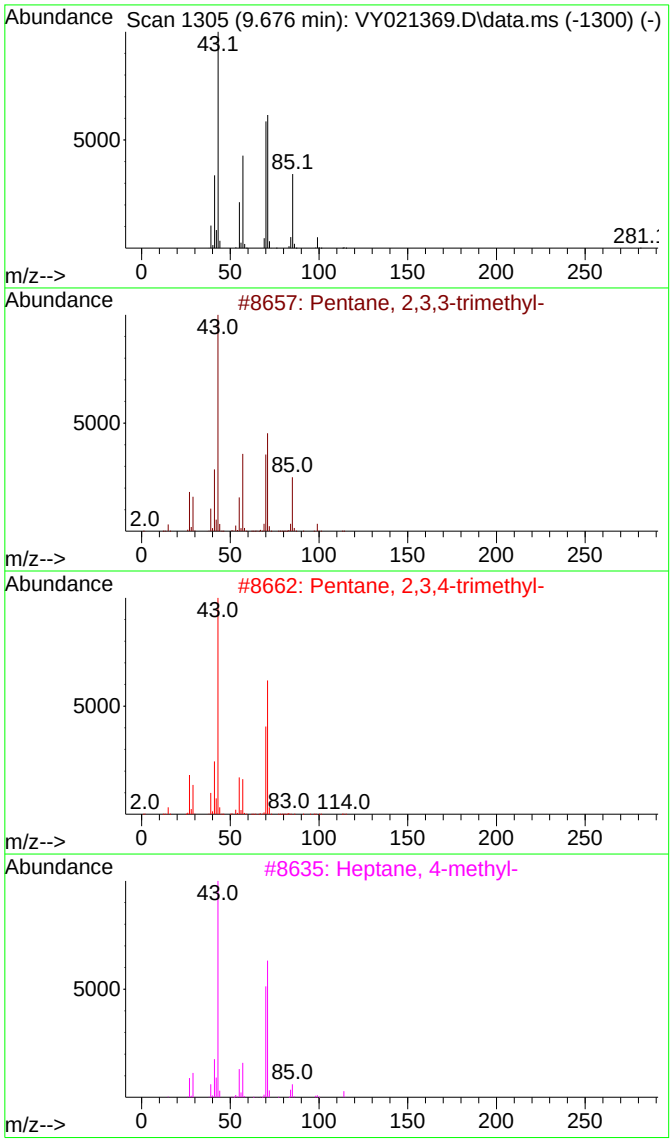
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

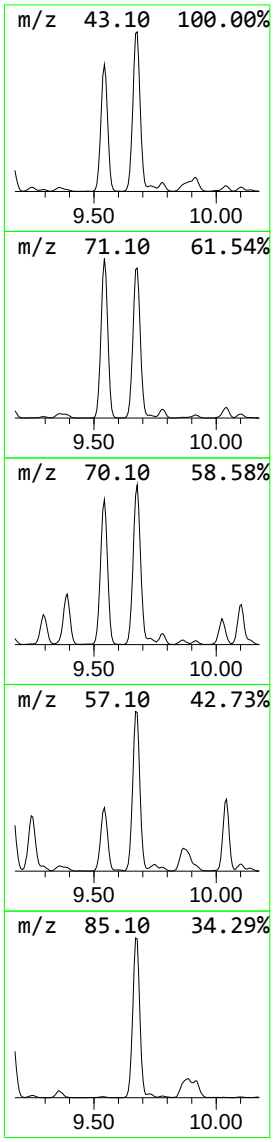
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.676	108.17 ug/l	4347110	1,4-Difluorobenzene	8.610

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	80
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	68
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
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Sample : Q1448-04
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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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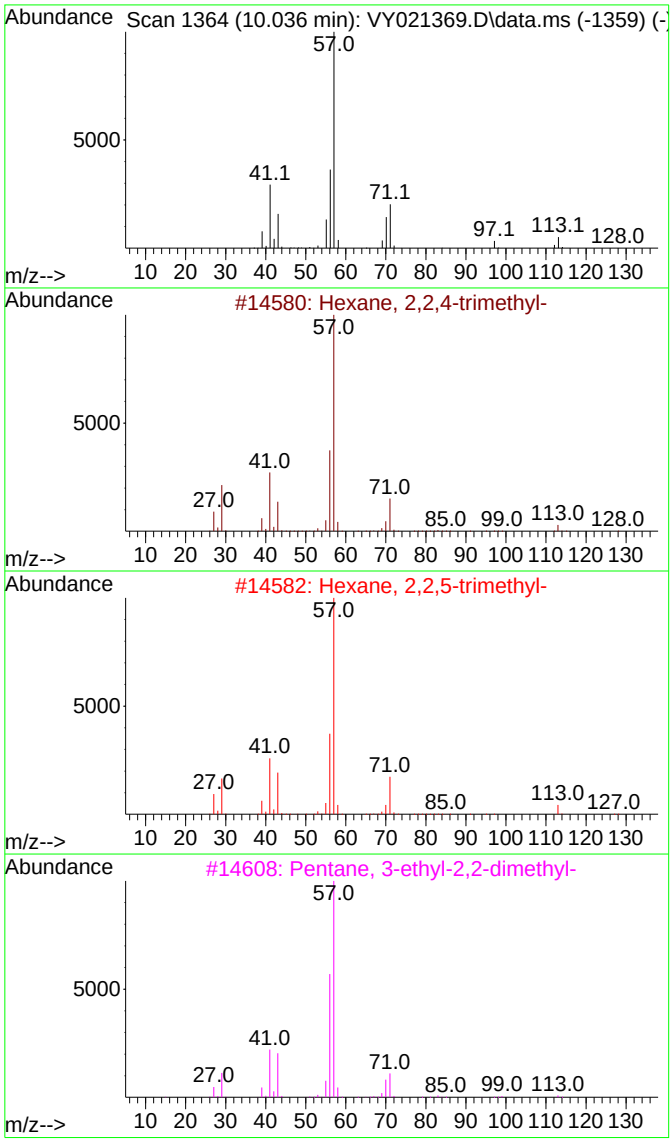
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

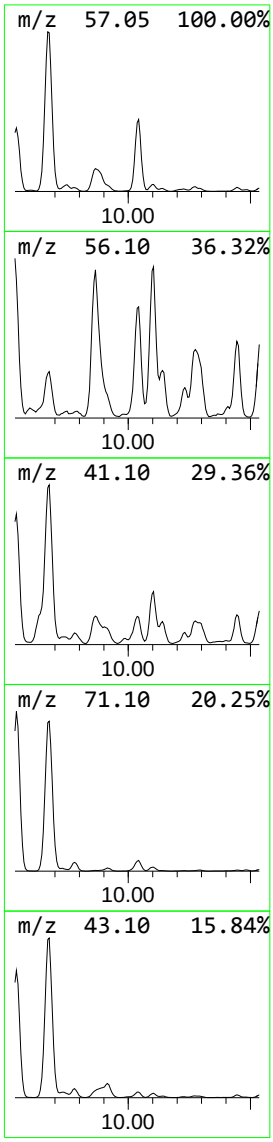
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Hexane, 2,2,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.036	50.52 ug/l	572405	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021369.D
Acq On : 27 Feb 2025 19:29
Operator : SY/MD
Sample : Q1448-04
Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

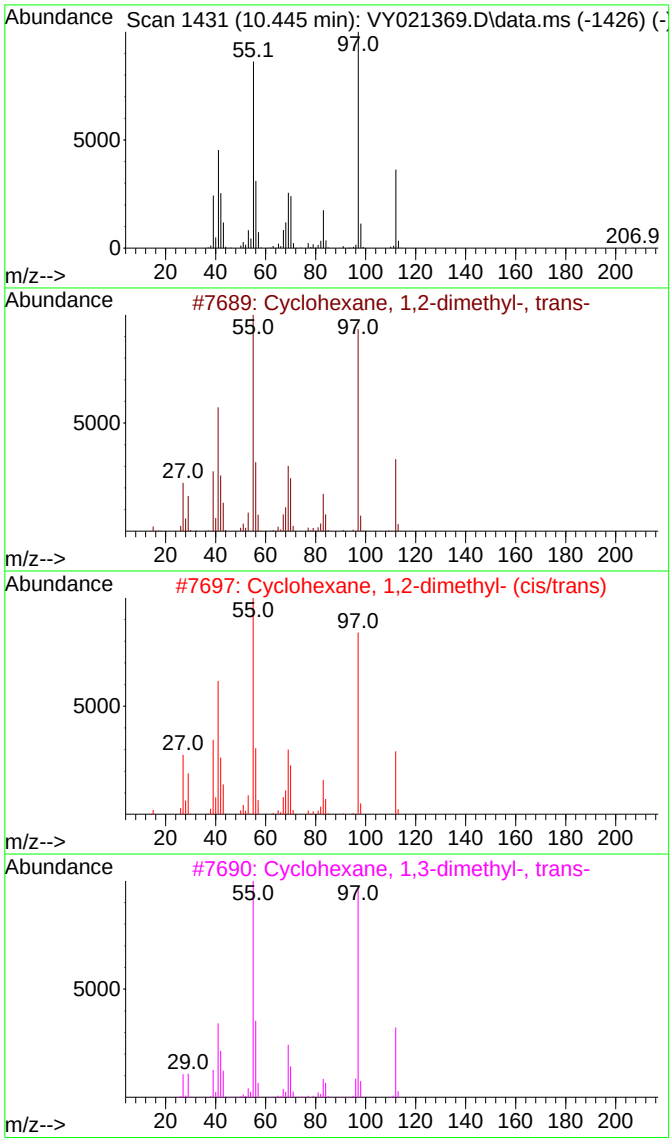
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

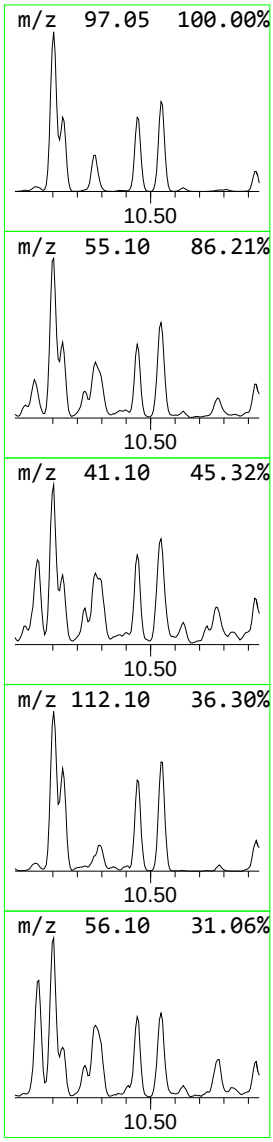
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.445	60.22 ug/l	682247	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	80
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021369.D
Acq On : 27 Feb 2025 19:29
Operator : SY/MD
Sample : Q1448-04
Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

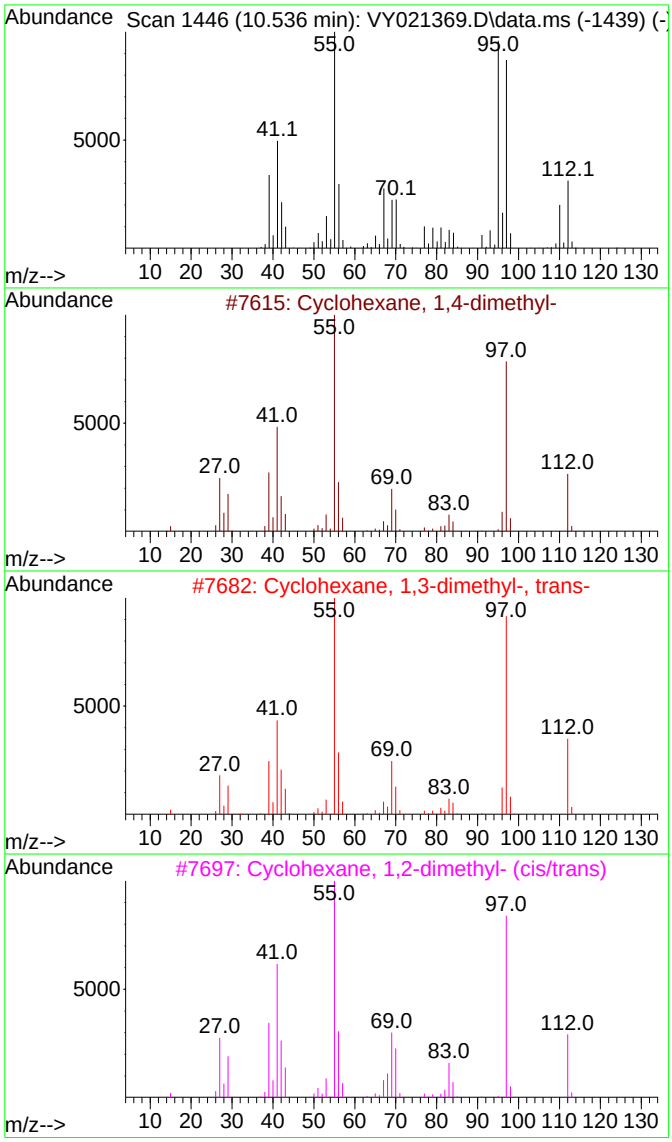
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

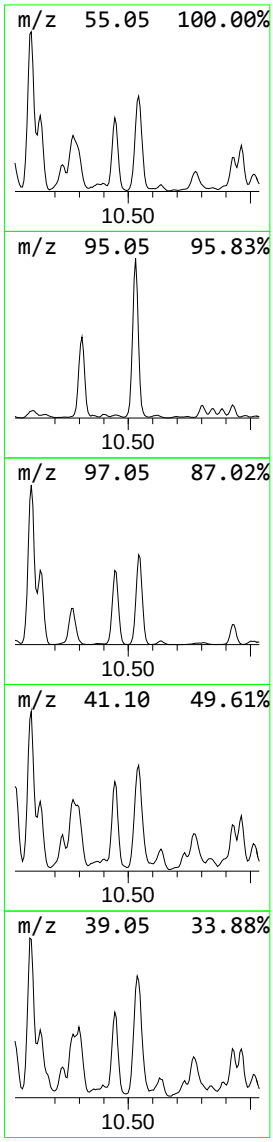
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexane, 1,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.536	116.20 ug/l	1316460	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	60
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	60
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	60
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	60
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
Data File : VY021369.D
Acq On : 27 Feb 2025 19:29
Operator : SY/MD
Sample : Q1448-04
Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.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-methyl-	2.836	80.2	ug/l	21411100	1	7.707	13342600	50.0
Pentane, 2-methyl-	4.659	55.5	ug/l	14815300	1	7.707	13342600	50.0
Cyclopentane, 1...	8.195	76.5	ug/l	3074980	2	8.610	2009350	50.0
Butane, 2,2,3,3...	8.250	220.8	ug/l	8871980	2	8.610	2009350	50.0
Isopropylcyclob...	8.335	75.3	ug/l	3027350	2	8.610	2009350	50.0
Pentane, 2,3,4-...	9.542	84.5	ug/l	3393950	2	8.610	2009350	50.0
Pentane, 2,3,3-...	9.676	108.2	ug/l	4347110	2	8.610	2009350	50.0
Hexane, 2,2,4-t...	10.036	50.5	ug/l	572405	3	11.414	566478	50.0
Cyclohexane, 1,...	10.445	60.2	ug/l	682247	3	11.414	566478	50.0
Cyclohexane, 1,...	10.536	116.2	ug/l	1316460	3	11.414	566478	50.0