LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
Data File : VY018336.D
Acq On : 20 May 2024 15:39
Operator : SY/MD
Sample : P2511-04
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
665

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\82Y050724S.M
Title : SW846 8260

Signal : TIC: VY018336.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.954	345	350	378	rVB4	25052704	105487147	91.37%	14.777%
2	5.734	629	642	659	rBV	473524	1506447	1.30%	0.211%
3	6.515	754	770	784	rBV	1107467	3782406	3.28%	0.530%
4	6.679	784	797	807	rVV	1818804	5945520	5.15%	0.833%
5	6.783	807	814	833	rVB	962775	2982483	2.58%	0.418%
6	7.527	918	936	957	rBV	5342915	15117871	13.09%	2.118%
7	7.752	958	973	974	rBV	23639921	33645781	29.14%	4.713%
8	7.783	974	978	986	rVB	29090809	76868488	66.58%	10.768%
9	7.874	986	993	994	rBV	23345049	33636510	29.13%	4.712%
10	7.990	1004	1012	1013	rBV	24140465	28919317	25.05%	4.051%
11	8.027	1013	1018	1026	rVB2	34769428	98032984	84.91%	13.733%
12	8.271	1047	1058	1066	rBV2	19703218	43973851	38.09%	6.160%
13	8.350	1066	1071	1077	rVV2	4891218	10559474	9.15%	1.479%
14	8.417	1077	1082	1093	rVB	5879537	12595941	10.91%	1.764%
15	8.569	1093	1107	1120	rBV2	35326084	115454946	100.00%	16.173%
16	9.002	1171	1178	1187	rVB	1938852	3795834	3.29%	0.532%
17	9.185	1193	1208	1213	rBV	12840746	29306363	25.38%	4.105%
18	9.240	1213	1217	1223	rVV	2528654	4502577	3.90%	0.631%
19	9.368	1231	1238	1244	rBV	3336248	5781760	5.01%	0.810%
20	9.819	1306	1312	1324	rVB2	695725	1661189	1.44%	0.233%
21	9.959	1324	1335	1347	rBV	477654	1239694	1.07%	0.174%
22	10.246	1375	1382	1384	rBV4	36457692	73828437	63.95%	10.342%
23	10.368	1396	1402	1408	rVB	856509	1500655	1.30%	0.210%
24	13.745	1951	1956	1961	rBV2	1320605	2188988	1.90%	0.307%
25	14.251	2033	2039	2047	rBV8	670693	1539613	1.33%	0.216%

Sum of corrected areas: 713854276

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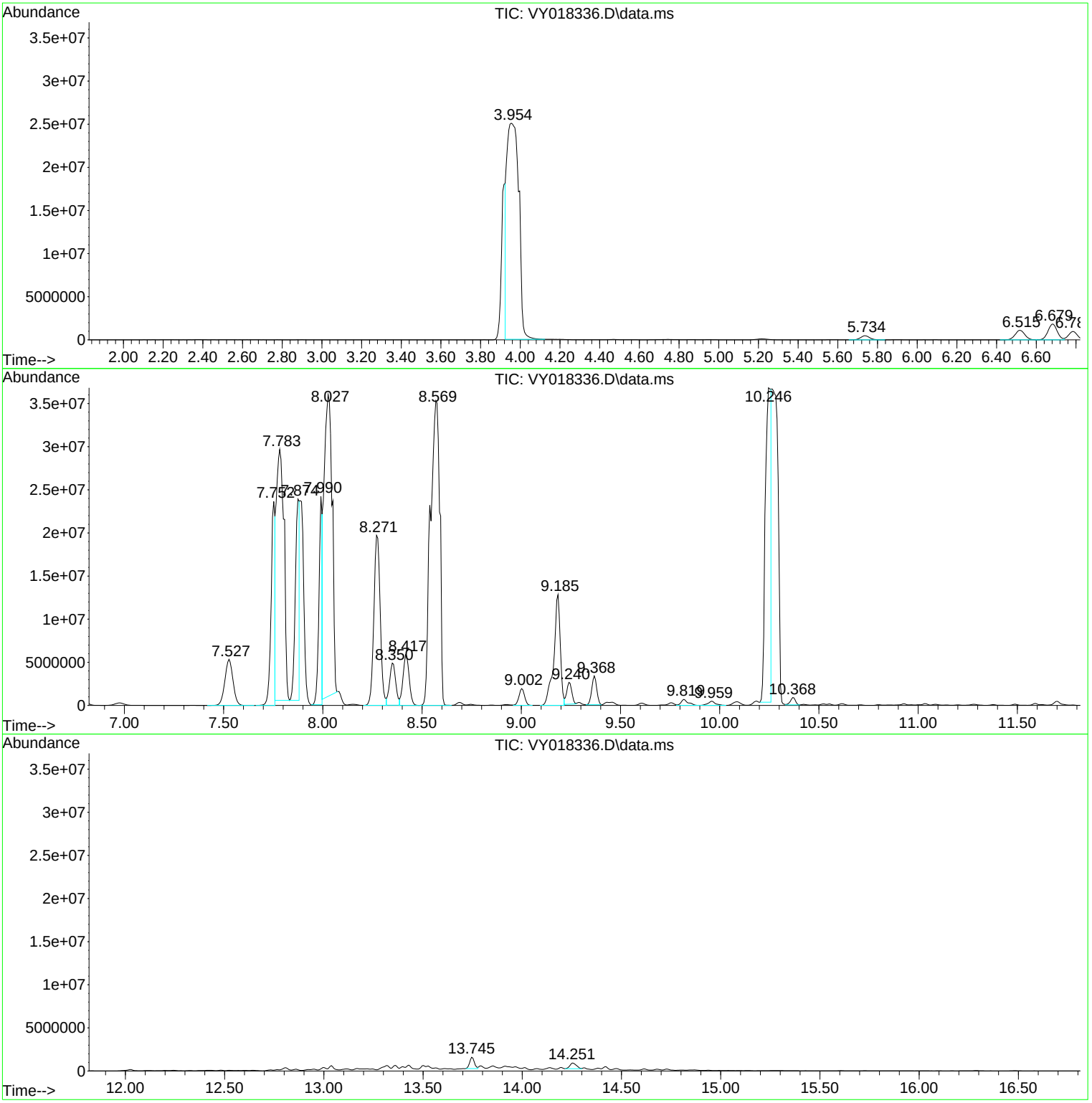
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
665

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260

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



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Operator : SY/MD
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MSVOA_Y
ClientSampleId :
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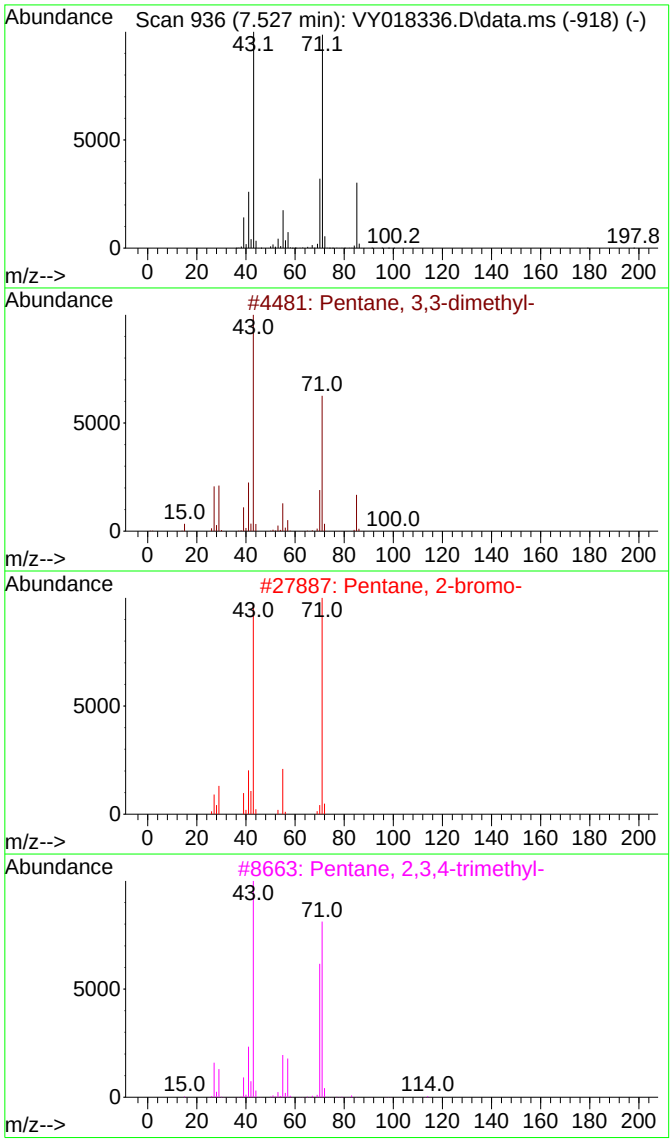
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260

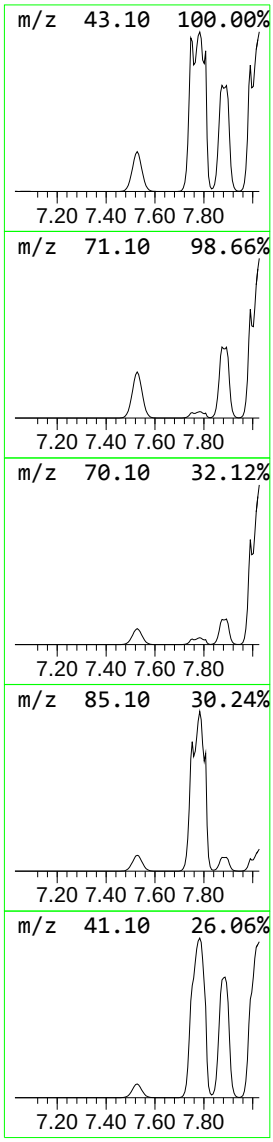
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 3,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.527	9.83 ug/l	15117900	Pentafluorobenzene	7.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
2	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	53
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
4	Butane, 2-iodo-3-methyl-	198	C5H11I	018295-27-7	42
5	Pentane, 3-bromo-	150	C5H11Br	001809-10-5	40





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Data File : VY018336.D
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Operator : SY/MD
Sample : P2511-04
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
665

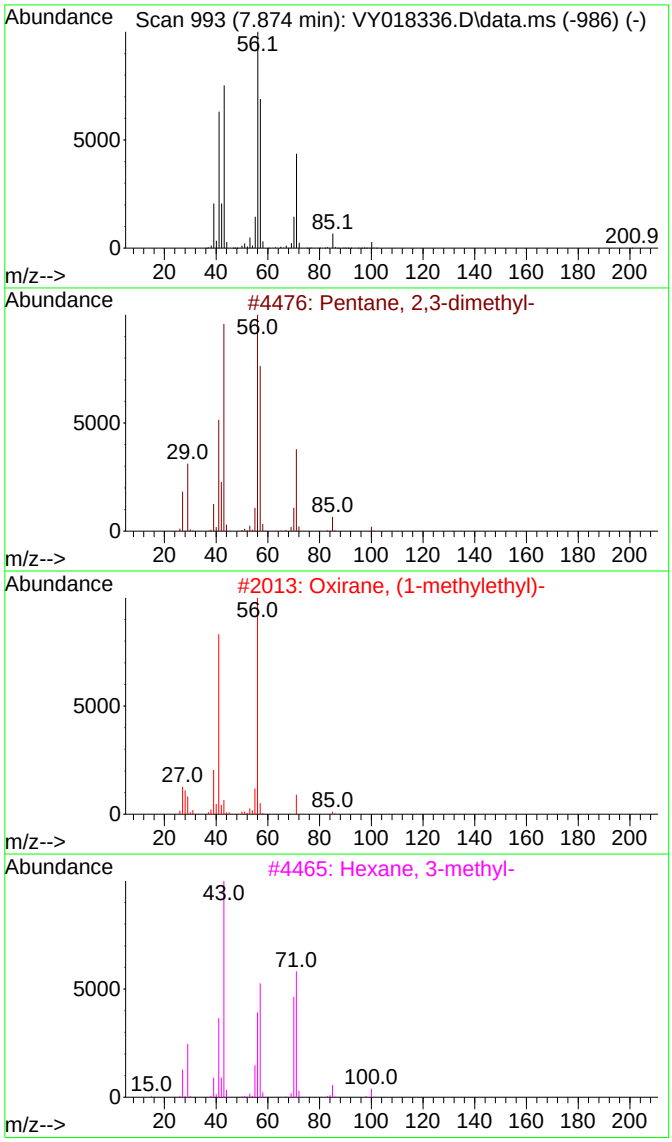
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260

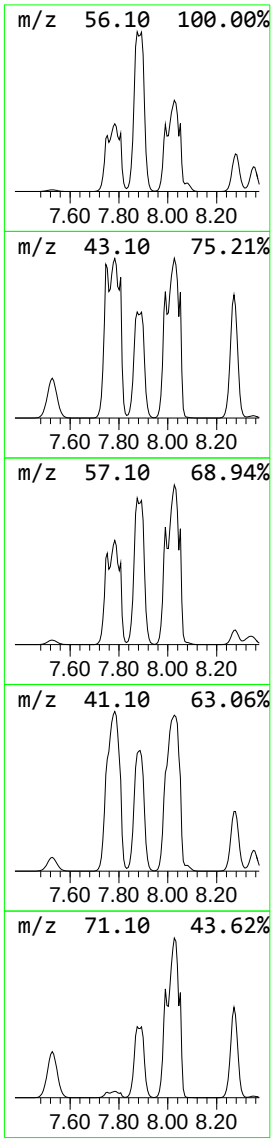
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.874	21.88 ug/l	33636500	Pentafluorobenzene	7.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	43
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	38
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	38
5	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	38





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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
665

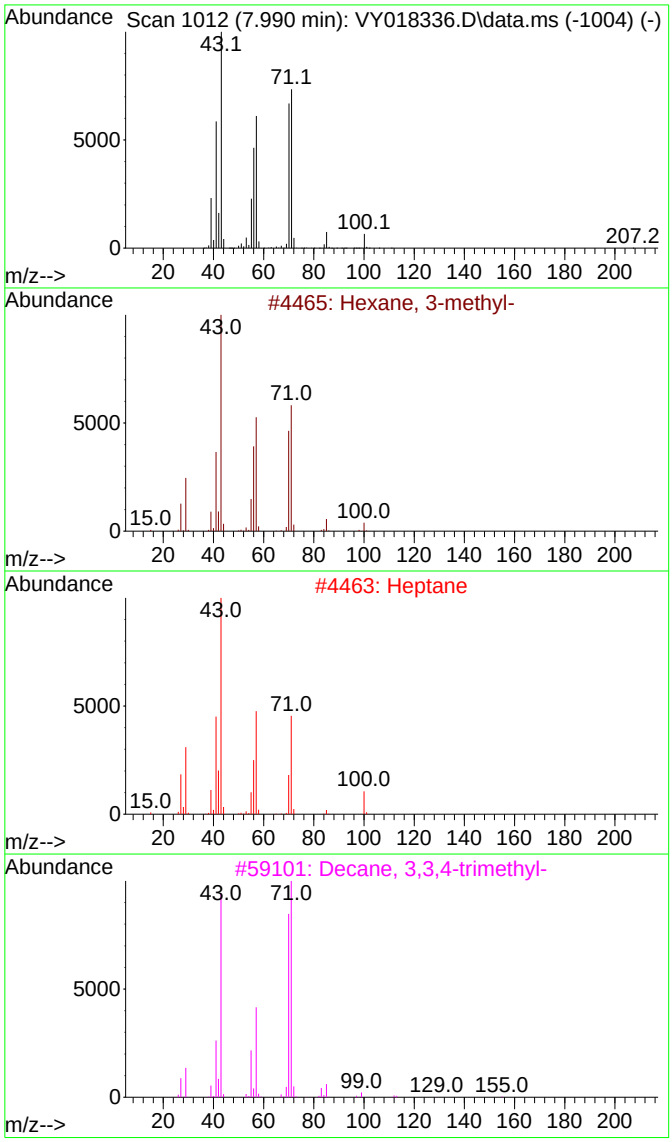
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260

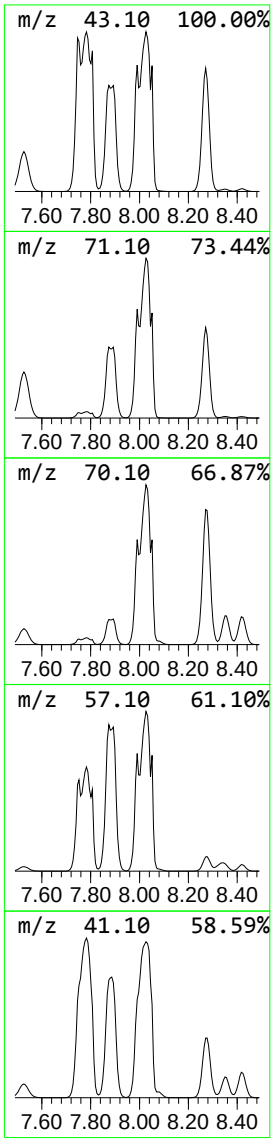
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.990	18.81 ug/l	28919300	Pentafluorobenzene	7.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Heptane	100	C7H16	000142-82-5	72
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5	Diisoamyl ether	158	C10H22O	000544-01-4	59





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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
665

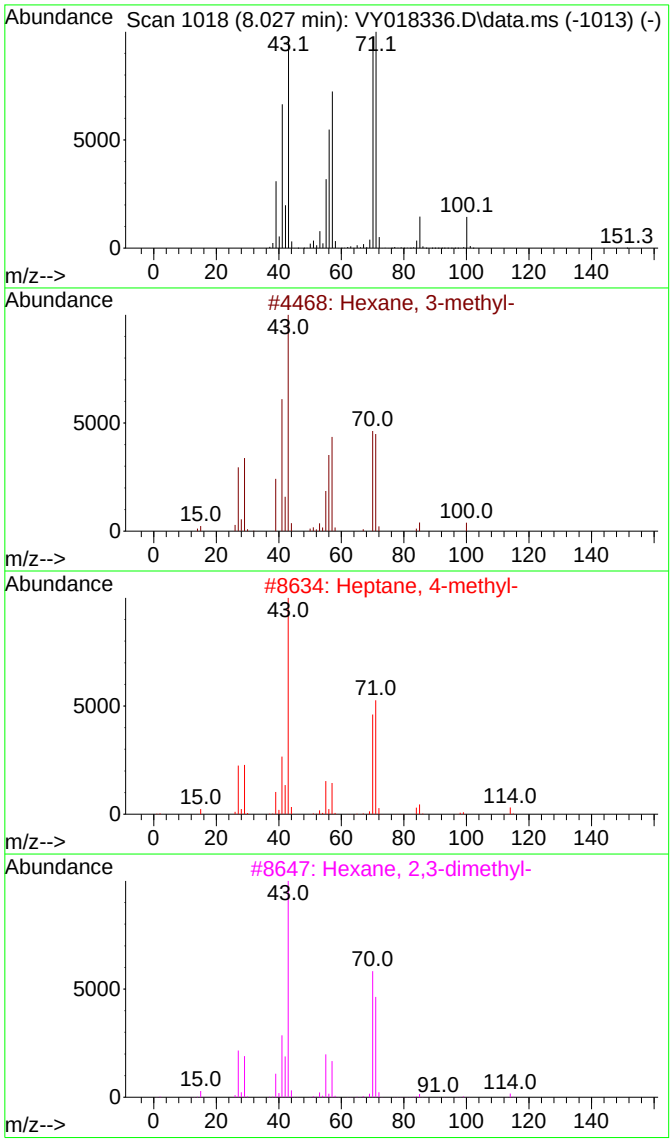
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260

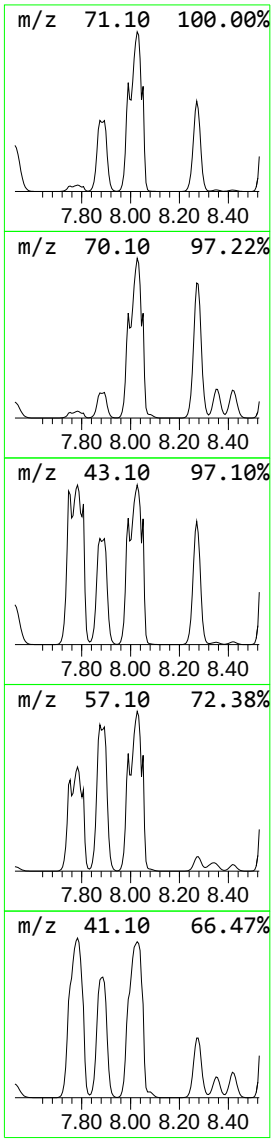
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.027	63.77 ug/l	98033000	Pentafluorobenzene	7.807

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	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	59
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53





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Operator : SY/MD
Sample : P2511-04
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
665

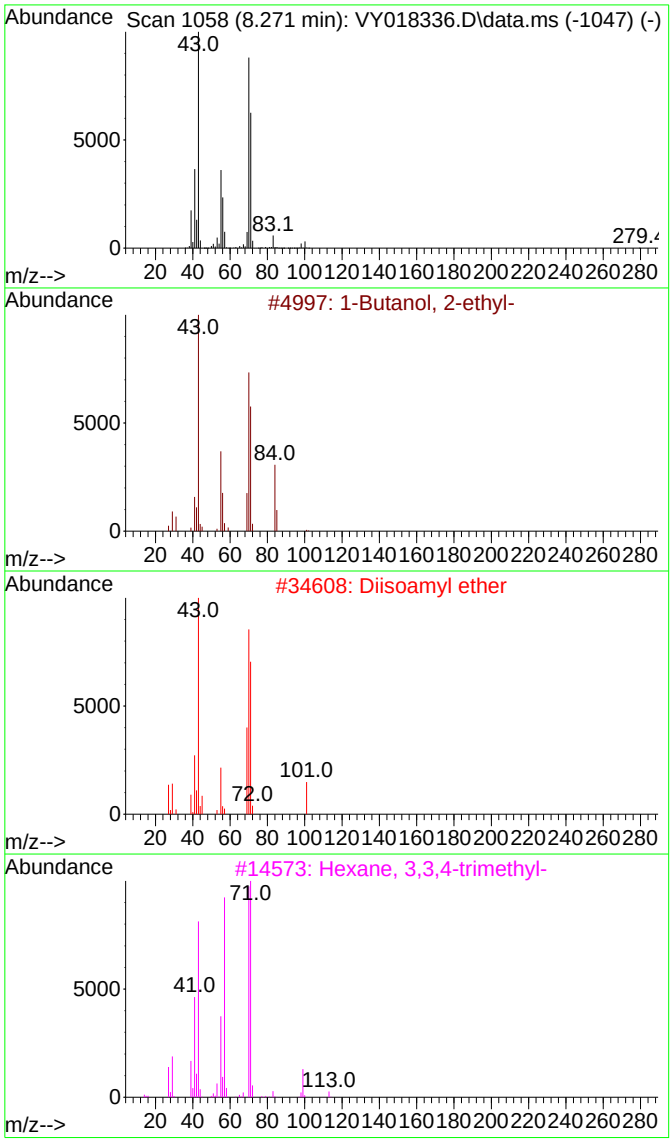
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260

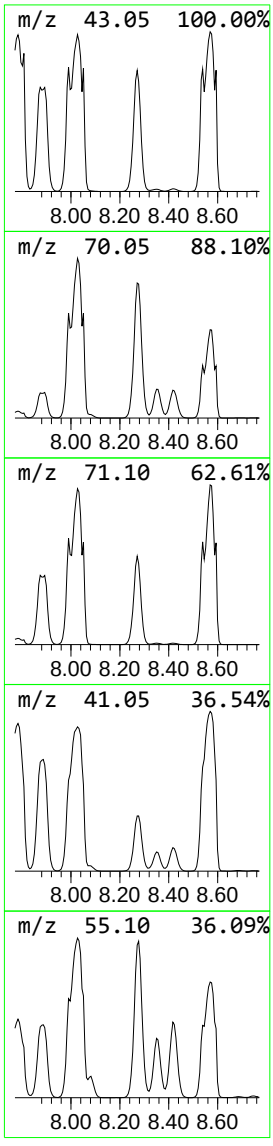
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Butanol, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.271	19.04 ug/l	43973900	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	78
2	Diisoamyl ether	158	C10H22O	000544-01-4	72
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	59
5	1-Butanol, 3-methyl-, acetate	130	C7H14O2	000123-92-2	50





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Operator : SY/MD
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
665

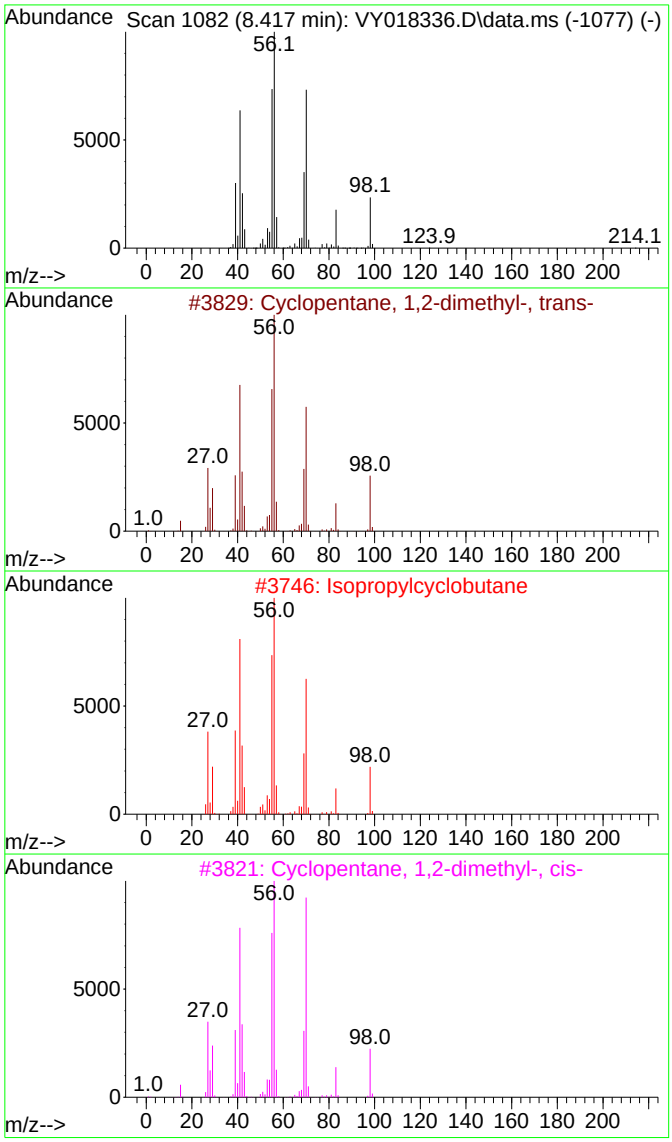
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260

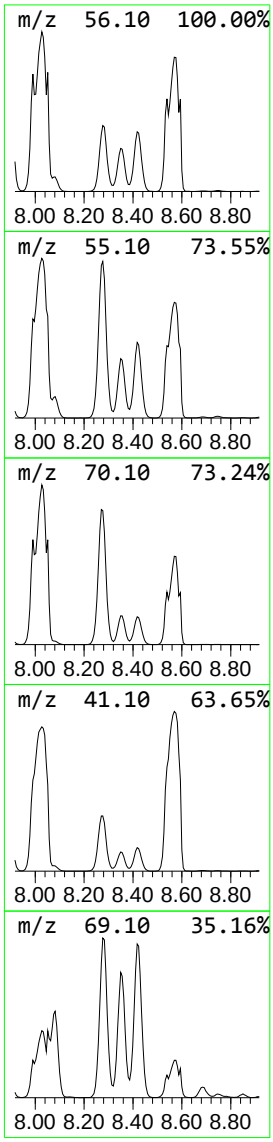
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopentane, 1,2-dimethyl-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.417	5.45 ug/l	12595900	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	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	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86





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MSVOA_Y
ClientSampleId :
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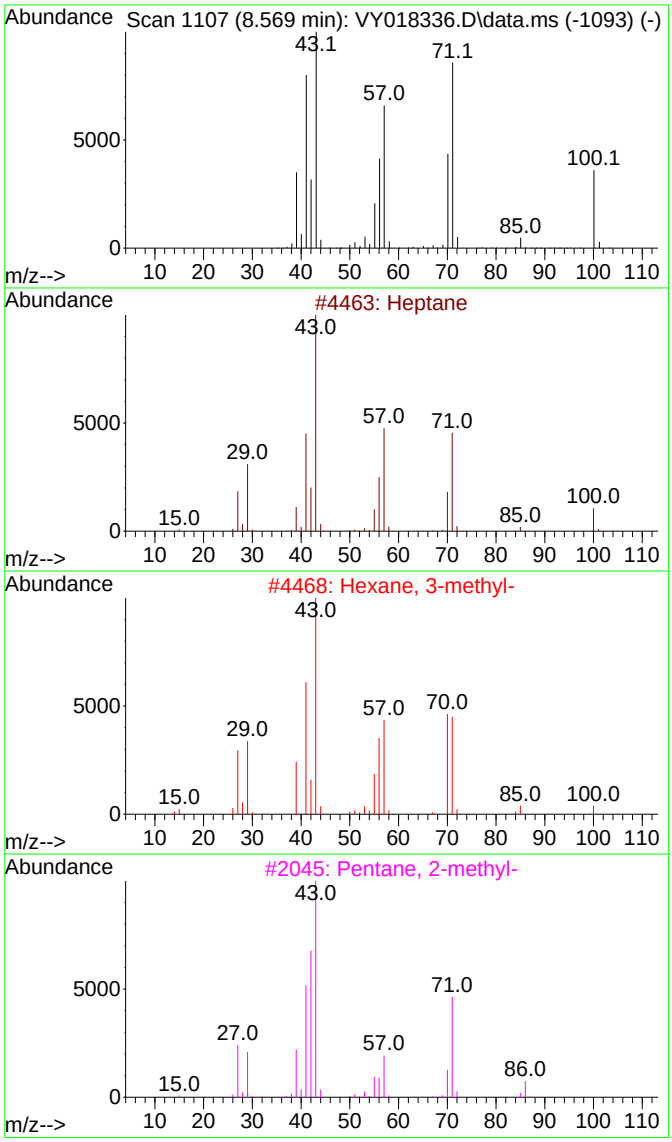
Quant Title : SW846 8260

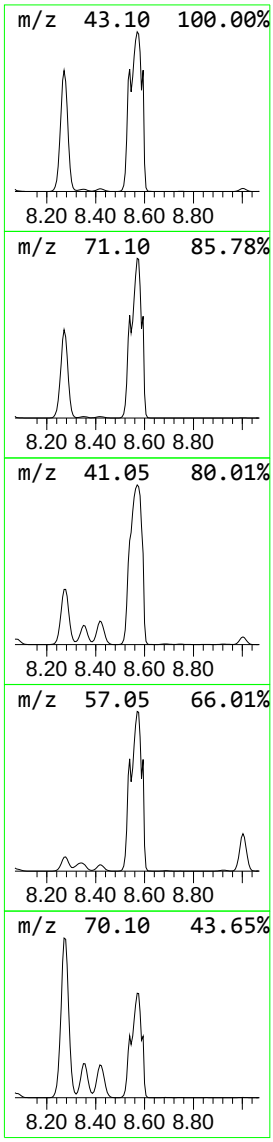
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Heptane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.569	50.00 ug/l	115455000	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	90
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	47
4	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	47
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47





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Instrument :
MSVOA_Y
ClientSampleId :
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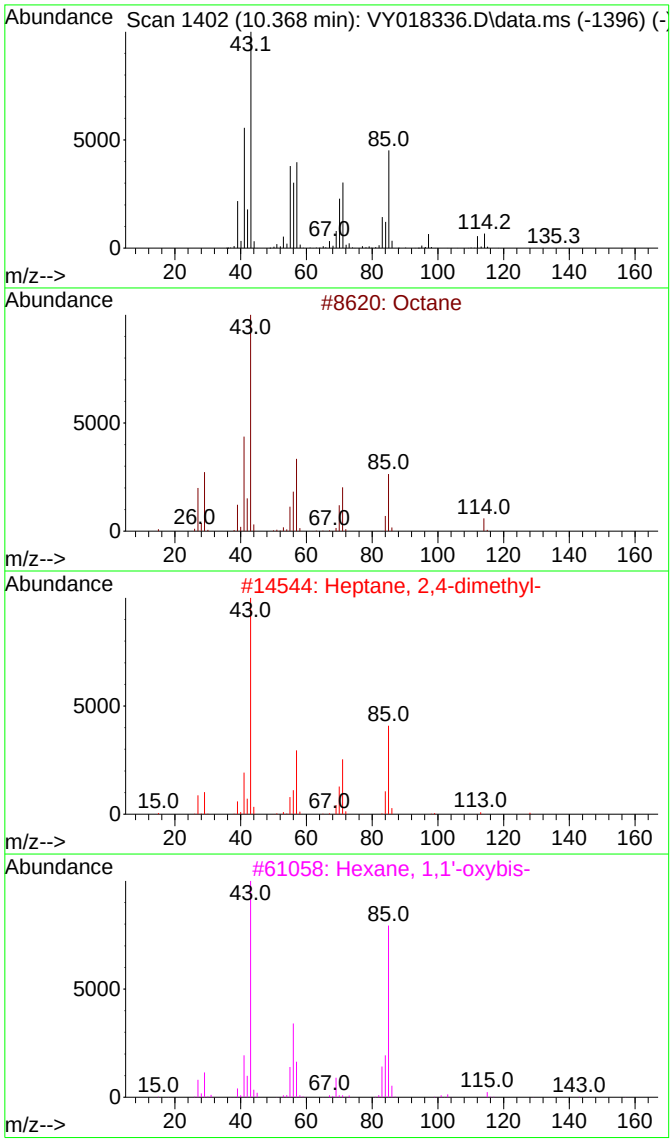
Quant Title : SW846 8260

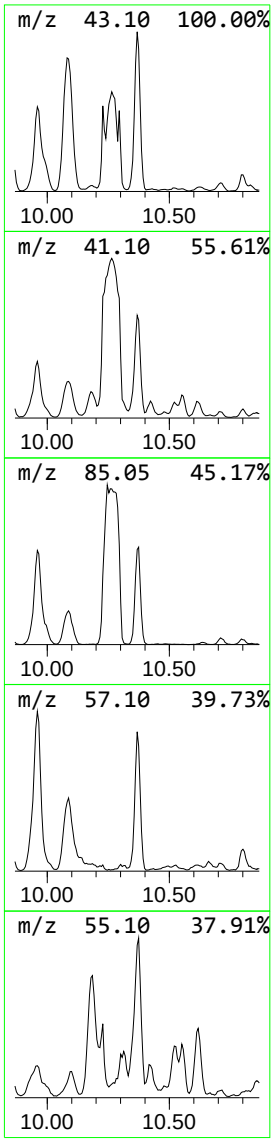
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Octane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.368	50.00 ug/l	1500660	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	83
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	47
4	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	47
5	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	43





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Instrument :
MSVOA_Y
ClientSampleId :
665

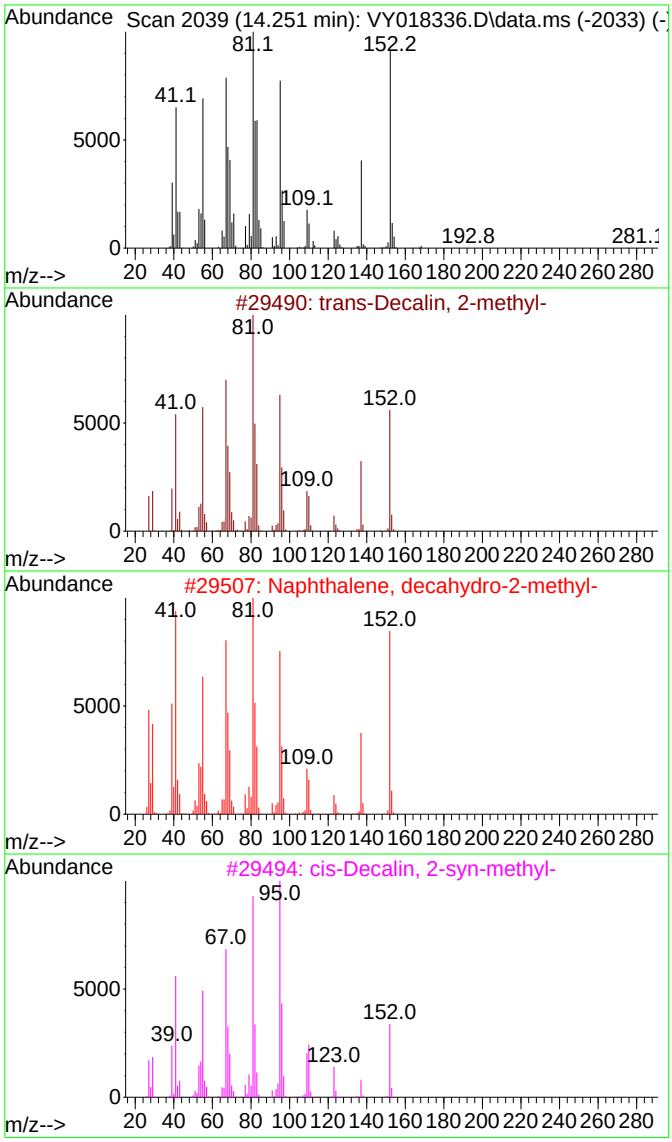
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260

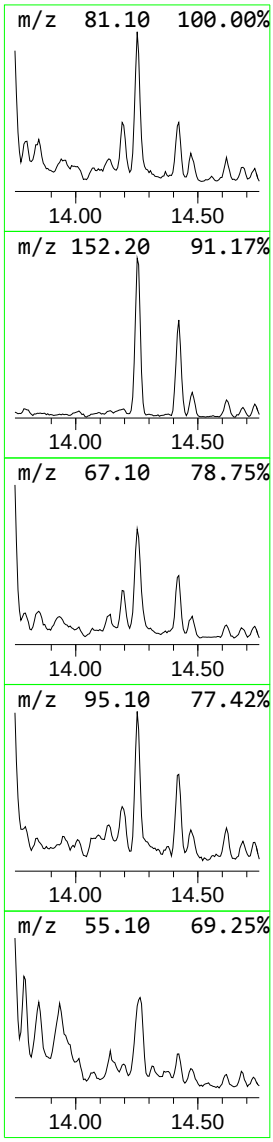
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 trans-Decalin, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.251	35.17 ug/l	1539610	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70
5	Cyclopentylcyclohexane	152	C11H20	001606-08-2	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
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TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 3,3-di...	7.527	9.8	ug/l	15117900	1	7.807	76868500	50.0
Pentane, 2,3-di...	7.874	21.9	ug/l	33636500	1	7.807	76868500	50.0
Hexane, 3-methyl-	7.990	18.8	ug/l	28919300	1	7.807	76868500	50.0
Heptane, 4-methyl-	8.027	63.8	ug/l	98033000	1	7.807	76868500	50.0
1-Butanol, 2-et...	8.271	19.0	ug/l	43973900	2	8.691	115455000	50.0
Cyclopentane, 1...	8.417	5.5	ug/l	12595900	2	8.691	115455000	50.0
Heptane	8.569	50.0	ug/l	115455000	2	8.691	115455000	50.0
Octane	10.368	50.0	ug/l	1500660	3	11.490	1500660	50.0
trans-Decalin, ...	14.251	35.2	ug/l	1539610	4	13.422	2188990	50.0