LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022522.D
Acq On : 03 Jun 2025 15:01
Operator : SY/MD
Sample : Q2168-11
Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C2

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022522.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.196	68	78	85	rBV2	110378	260725	1.13%	0.435%
2	5.641	631	643	657	rBV2	179764	562110	2.43%	0.937%
3	7.701	974	981	990	rVB5	197525	537399	2.33%	0.896%
4	8.079	1032	1043	1056	rBV	7175002	14744962	63.86%	24.578%
5	8.469	1098	1107	1117	rBV	159584	306195	1.33%	0.510%
6	8.616	1123	1131	1143	rBV	183663	376476	1.63%	0.628%
7	9.109	1200	1212	1218	rBV	258565	549617	2.38%	0.916%
8	10.103	1368	1375	1379	rBV	338523	585681	2.54%	0.976%
9	10.170	1379	1386	1398	rVV	15409932	23088860	100.00%	38.486%
10	10.298	1398	1407	1414	rVB2	219193	420227	1.82%	0.700%
11	11.414	1583	1590	1596	rBV	174973	281237	1.22%	0.469%
12	11.518	1600	1607	1614	rVV	843493	1294435	5.61%	2.158%
13	11.621	1614	1624	1635	rVV	4897674	8290725	35.91%	13.819%
14	11.950	1666	1678	1690	rBV	2305148	3880488	16.81%	6.468%
15	12.658	1788	1794	1797	rBV	374908	607861	2.63%	1.013%
16	12.731	1802	1806	1812	rVB2	470586	700606	3.03%	1.168%
17	12.895	1825	1833	1840	rBV2	160787	395022	1.71%	0.658%
18	13.042	1848	1857	1862	rBV	794356	1208671	5.23%	2.015%
19	13.377	1908	1912	1916	rVB2	230235	336234	1.46%	0.560%
20	13.724	1964	1969	1976	rVB	377412	587733	2.55%	0.980%
21	15.139	2192	2201	2207	rBV	591164	978137	4.24%	1.630%

Sum of corrected areas: 59993401

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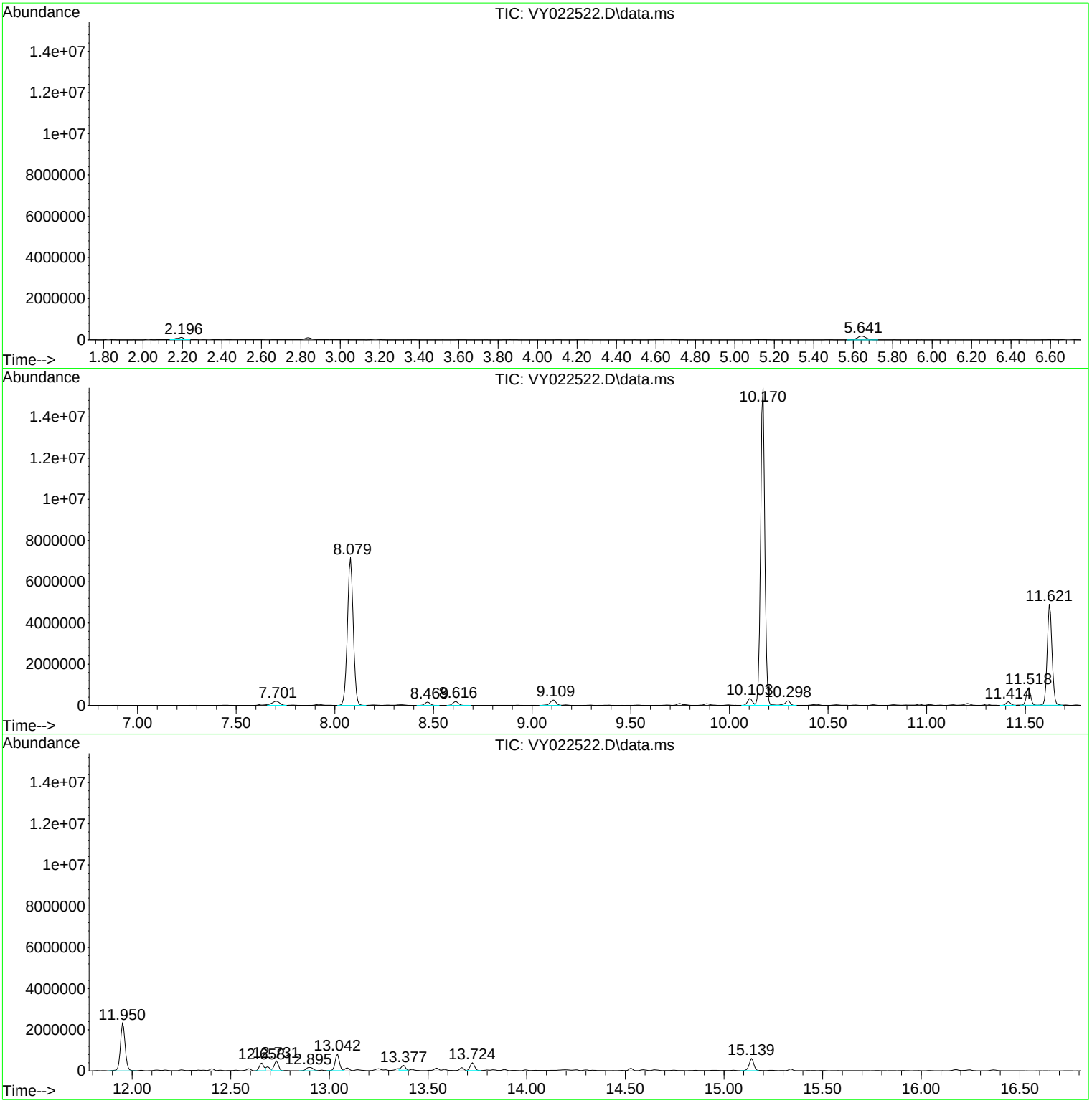
Instrument :
MSVOA_Y
ClientSampleId :
C2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



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Data File : VY022522.D
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Operator : SY/MD
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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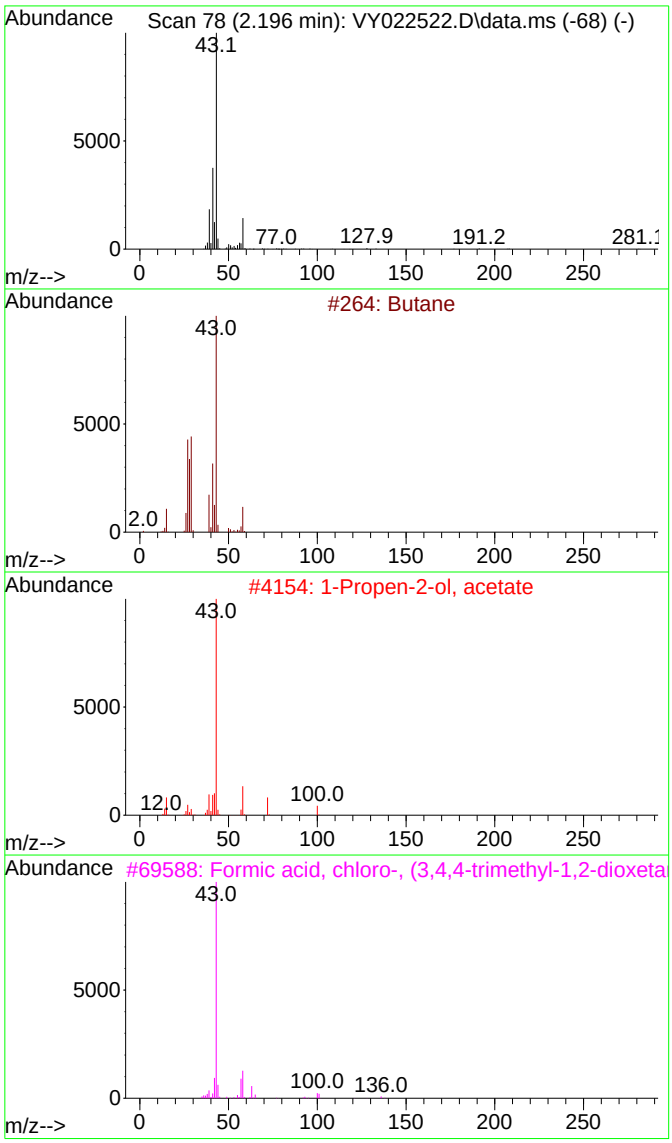
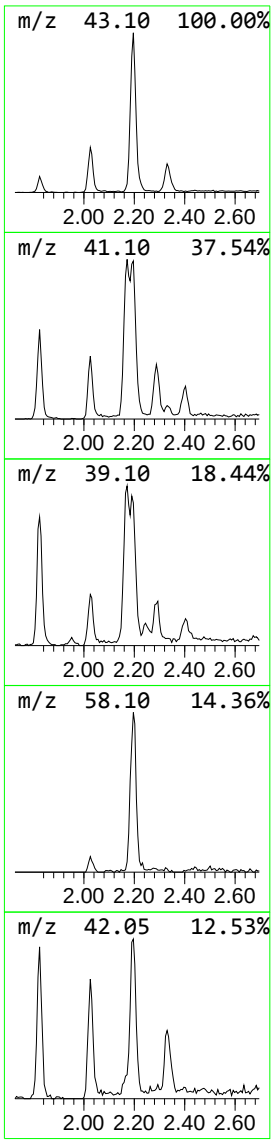
Peak Number 1 Butane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.196	24.26 ug/l	260725	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	64
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	56
3	Formic acid, chloro-, (3,4,4-tri...	194	C7H11ClO4	107323-92-2	50
4	Isobutane	58	C4H10	000075-28-5	9
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9





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Data File : VY022522.D
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Operator : SY/MD
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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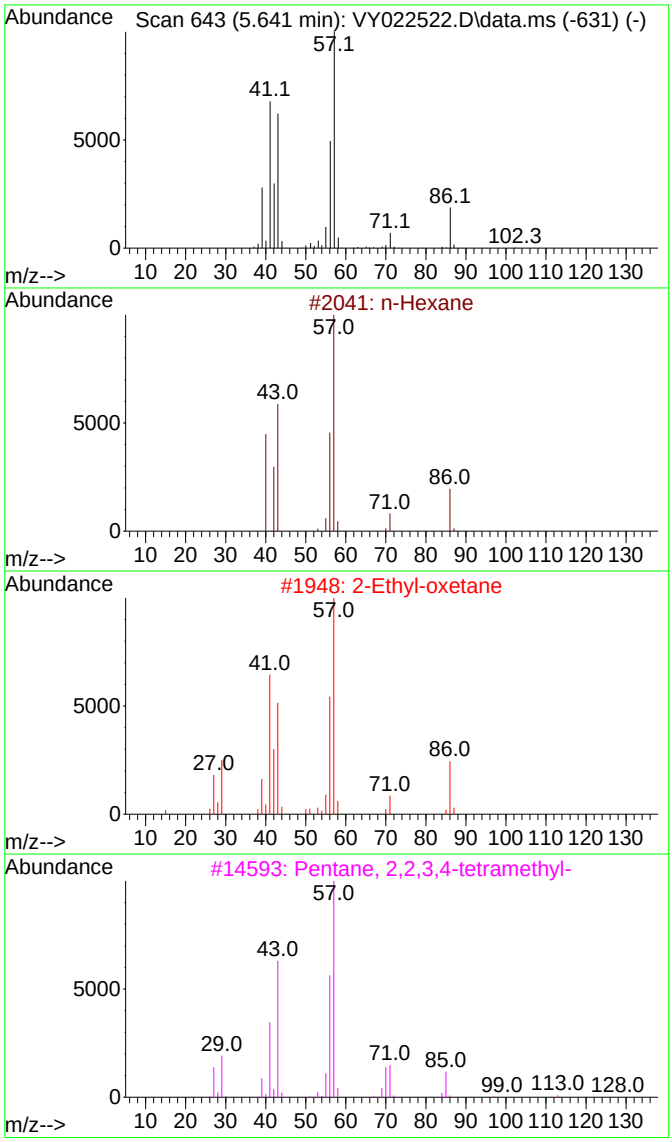
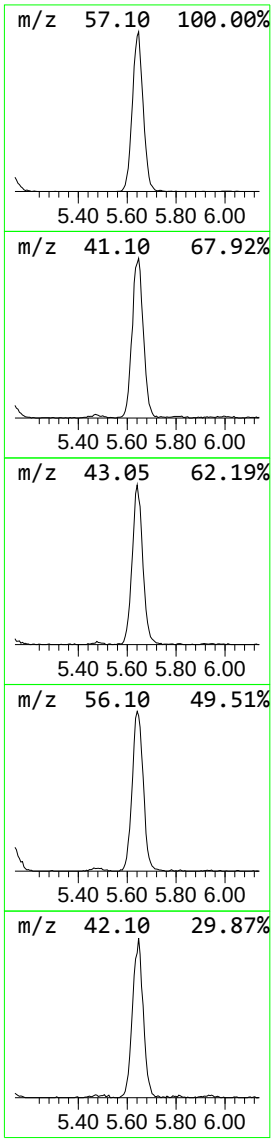
Peak Number 2 n-Hexane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.641	52.30 ug/l	562110	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	87
2	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	83
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	40
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





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Data File : VY022522.D
Acq On : 03 Jun 2025 15:01
Operator : SY/MD
Sample : Q2168-11
Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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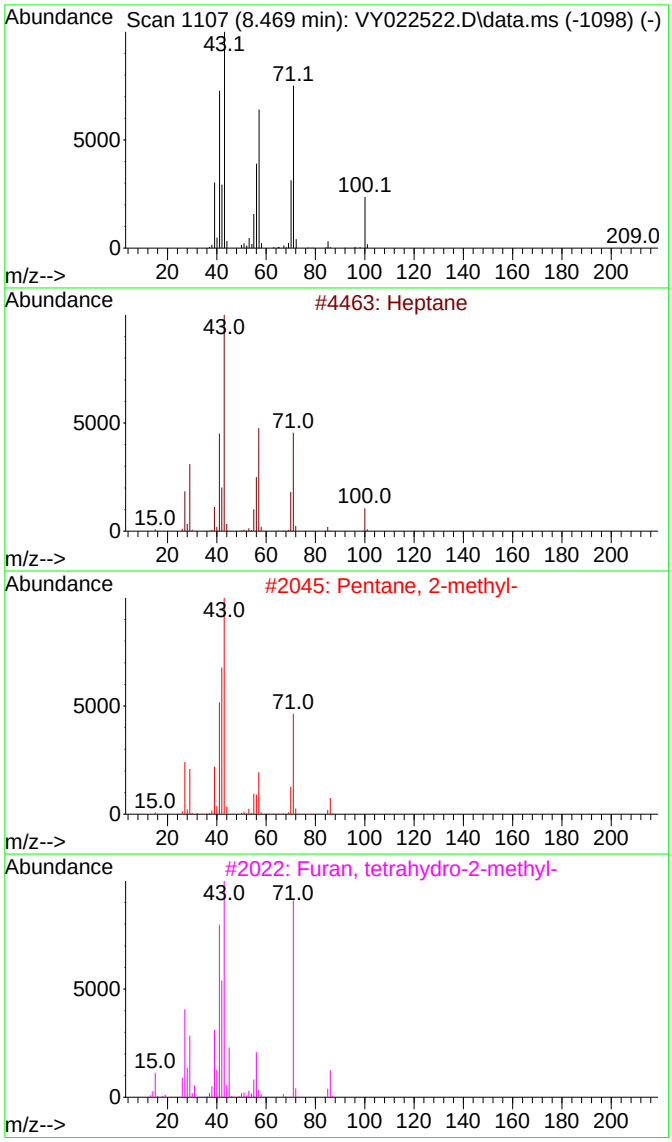
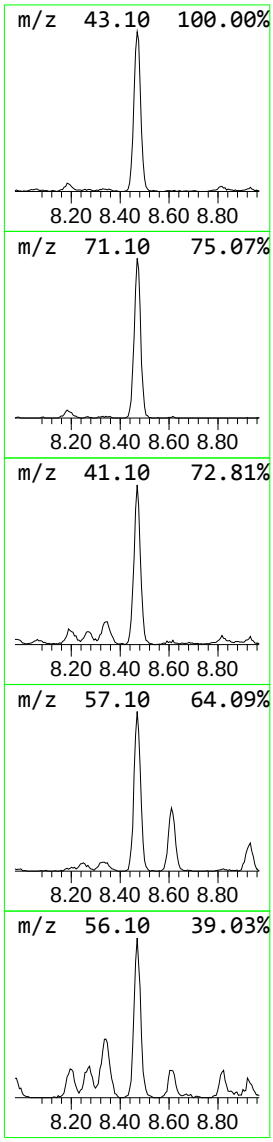
Peak Number 3 Heptane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.469	40.67 ug/l	306195	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	47
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	43
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	42





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Operator : SY/MD
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Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

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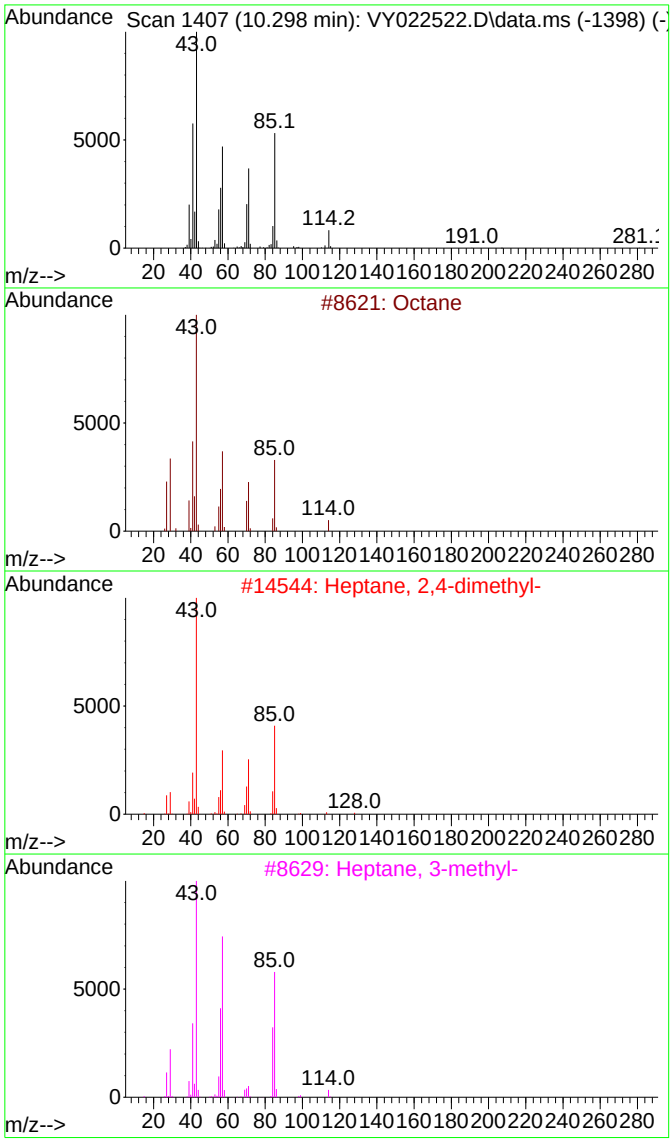
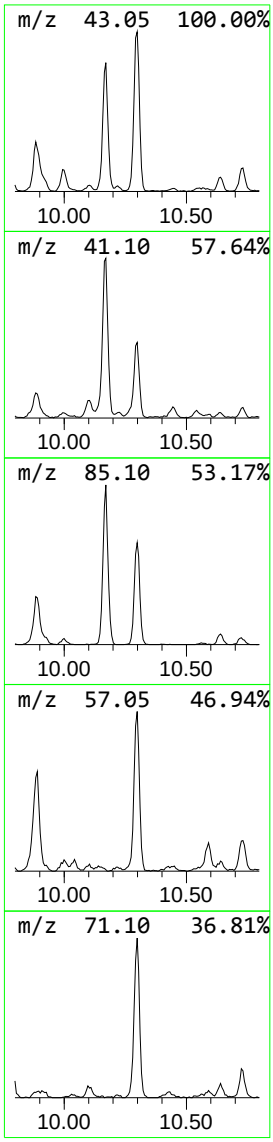
Peak Number 4 Octane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.298	74.71 ug/l	420227	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	50
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	50





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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C2

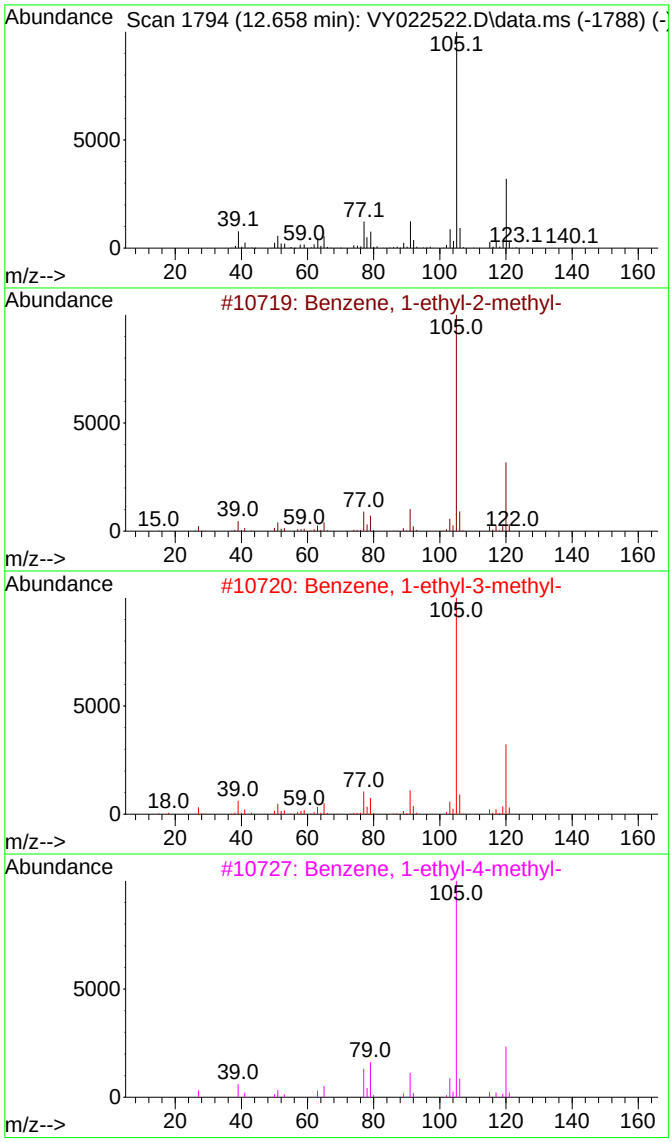
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

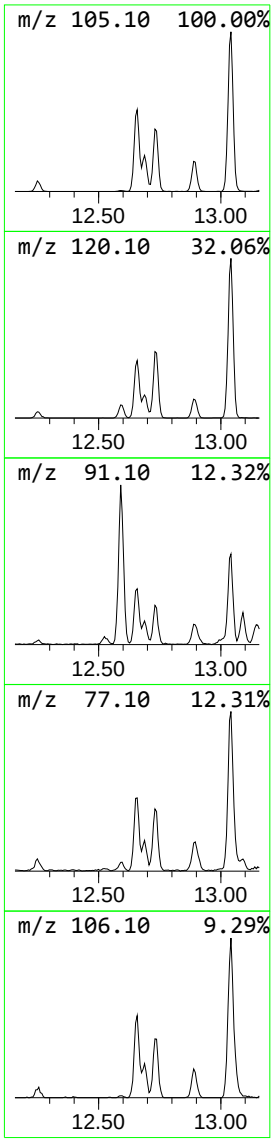
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.658	90.39 ug/l	607861	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C2

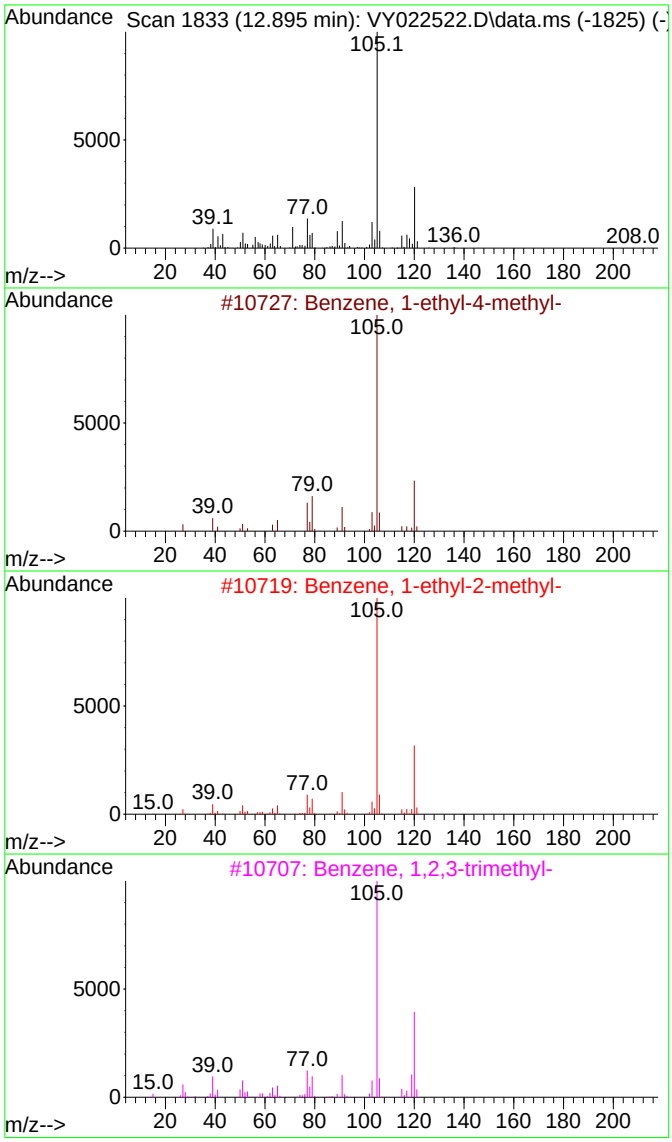
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

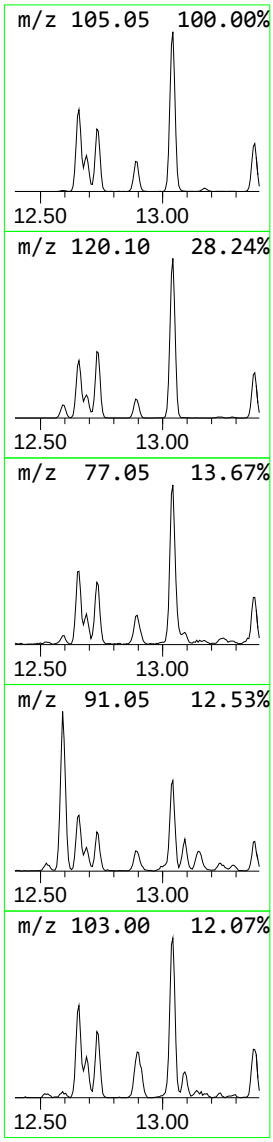
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.895	58.74 ug/l	395022	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4	Mesitylene	120	C9H12	000108-67-8	87
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83





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Instrument :
MSVOA_Y
ClientSampleId :
C2

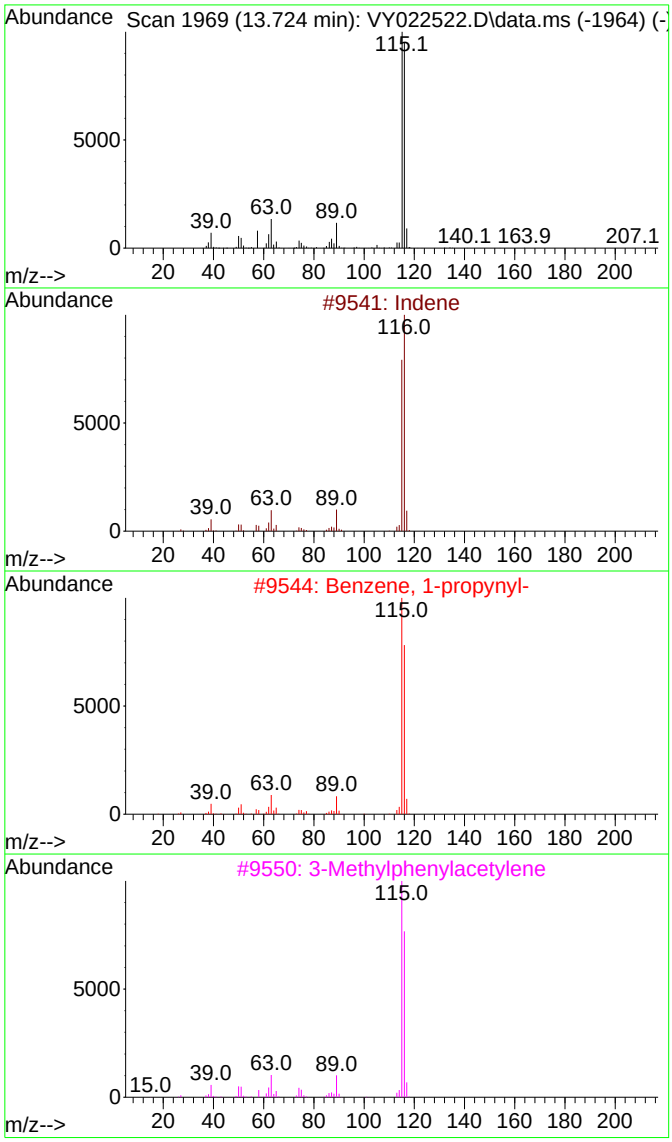
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

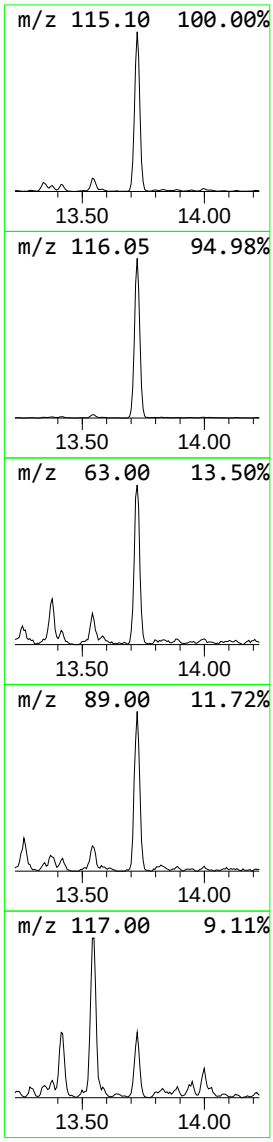
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.725	87.40 ug/l	587733	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Tentatively Identified Compound (LSC) summary

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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	2.196	24.3	ug/l	260725	1	7.707	537399	50.0
n-Hexane	5.641	52.3	ug/l	562110	1	7.707	537399	50.0
Heptane	8.469	40.7	ug/l	306195	2	8.616	376476	50.0
Octane	10.298	74.7	ug/l	420227	3	11.414	281237	50.0
Benzene, 1-ethy...	12.658	90.4	ug/l	607861	4	13.347	336234	50.0
Benzene, 1-ethy...	12.895	58.7	ug/l	395022	4	13.347	336234	50.0
Indene	13.725	87.4	ug/l	587733	4	13.347	336234	50.0