LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022661.D
Acq On : 11 Jun 2025 13:58
Operator : SY/MD
Sample : Q2283-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

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: VY022661.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	51	60	62	rBV5	10283	26732	2.23%	0.285%
2	2.166	68	73	78	rBV2	12089	22063	1.84%	0.235%
3	2.489	118	126	132	rBV5	12365	38466	3.20%	0.410%
4	4.616	464	475	485	rBV3	11576	34170	2.85%	0.364%
5	5.641	628	643	659	rBV2	149634	471148	39.23%	5.024%
6	7.634	959	970	975	rBV	151888	364452	30.35%	3.886%
7	7.707	975	982	994	rVB	269894	620092	51.64%	6.612%
8	8.061	1030	1040	1051	rBV	152720	321506	26.77%	3.428%
9	8.610	1122	1130	1142	rBV	443924	871679	72.59%	9.294%
10	10.103	1367	1375	1387	rBV	721598	1200837	100.00%	12.804%
11	11.414	1582	1590	1605	rBV	596514	956556	79.66%	10.199%
12	11.920	1667	1673	1677	rBV5	5652	12132	1.01%	0.129%
13	12.255	1719	1728	1734	rVB	49618	85605	7.13%	0.913%
14	12.402	1746	1752	1759	rBV	393140	608215	50.65%	6.485%
15	12.505	1764	1769	1772	rVV8	6992	13248	1.10%	0.141%
16	12.566	1775	1779	1786	rVB8	6114	13037	1.09%	0.139%
17	12.652	1786	1793	1796	rBV7	8430	20425	1.70%	0.218%
18	12.731	1800	1806	1811	rVV5	16962	35410	2.95%	0.378%
19	12.810	1811	1819	1825	rVV3	18960	47527	3.96%	0.507%
20	12.962	1840	1844	1852	rVB8	11726	26584	2.21%	0.283%
21	13.109	1861	1868	1873	rBV9	5590	13878	1.16%	0.148%
22	13.212	1881	1885	1887	rBV4	15555	22939	1.91%	0.245%
23	13.340	1900	1906	1915	rVB	423712	666044	55.46%	7.102%
24	13.468	1921	1927	1932	rBV7	14237	34826	2.90%	0.371%
25	13.529	1934	1937	1941	rBV5	10201	16797	1.40%	0.179%
26	13.664	1954	1959	1964	rBV2	72561	126171	10.51%	1.345%
27	13.761	1970	1975	1984	rBV10	19344	57756	4.81%	0.616%
28	13.840	1984	1988	1989	rBV4	12468	17675	1.47%	0.188%
29	13.877	1991	1994	2000	rVB4	25882	46231	3.85%	0.493%
30	13.993	2008	2013	2017	rBV4	40991	75513	6.29%	0.805%
31	14.048	2017	2022	2028	rBV8	36768	85019	7.08%	0.907%
32	14.115	2029	2033	2037	rBV6	25919	44944	3.74%	0.479%
33	14.170	2037	2042	2045	rBV3	104093	176287	14.68%	1.880%
34	14.304	2058	2064	2066	rBV4	60919	110999	9.24%	1.184%
35	14.334	2066	2069	2073	rVV3	84864	130100	10.83%	1.387%
36	14.389	2073	2078	2084	rVB5	62264	128362	10.69%	1.369%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022661.D
Acq On : 11 Jun 2025 13:58
Operator : SY/MD
Sample : Q2283-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

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

37	14.535	2098	2102	2105	rBV4	37746	55409	4.61%	0.591%
38	14.596	2106	2112	2116	rBV6	80023	168347	14.02%	1.795%
39	14.645	2116	2120	2126	rVB4	112251	184036	15.33%	1.962%
40	14.700	2127	2129	2133	rBV4	20687	37426	3.12%	0.399%
41	14.761	2134	2139	2141	rBV4	79444	142795	11.89%	1.523%
42	14.785	2141	2143	2148	rVB3	100754	129408	10.78%	1.380%
43	14.852	2150	2154	2158	rVB3	111438	171207	14.26%	1.826%
44	14.913	2158	2164	2166	rBV4	70248	138774	11.56%	1.480%
45	15.102	2192	2195	2201	rVB7	38451	80309	6.69%	0.856%
46	15.200	2202	2211	2215	rBV7	110040	346854	28.88%	3.698%
47	15.255	2216	2220	2222	rBV5	54807	99926	8.32%	1.065%
48	16.108	2357	2360	2365	rBV2	70304	125553	10.46%	1.339%
49	16.352	2397	2400	2409	rVB9	77621	155146	12.92%	1.654%

Sum of corrected areas: 9378615

LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
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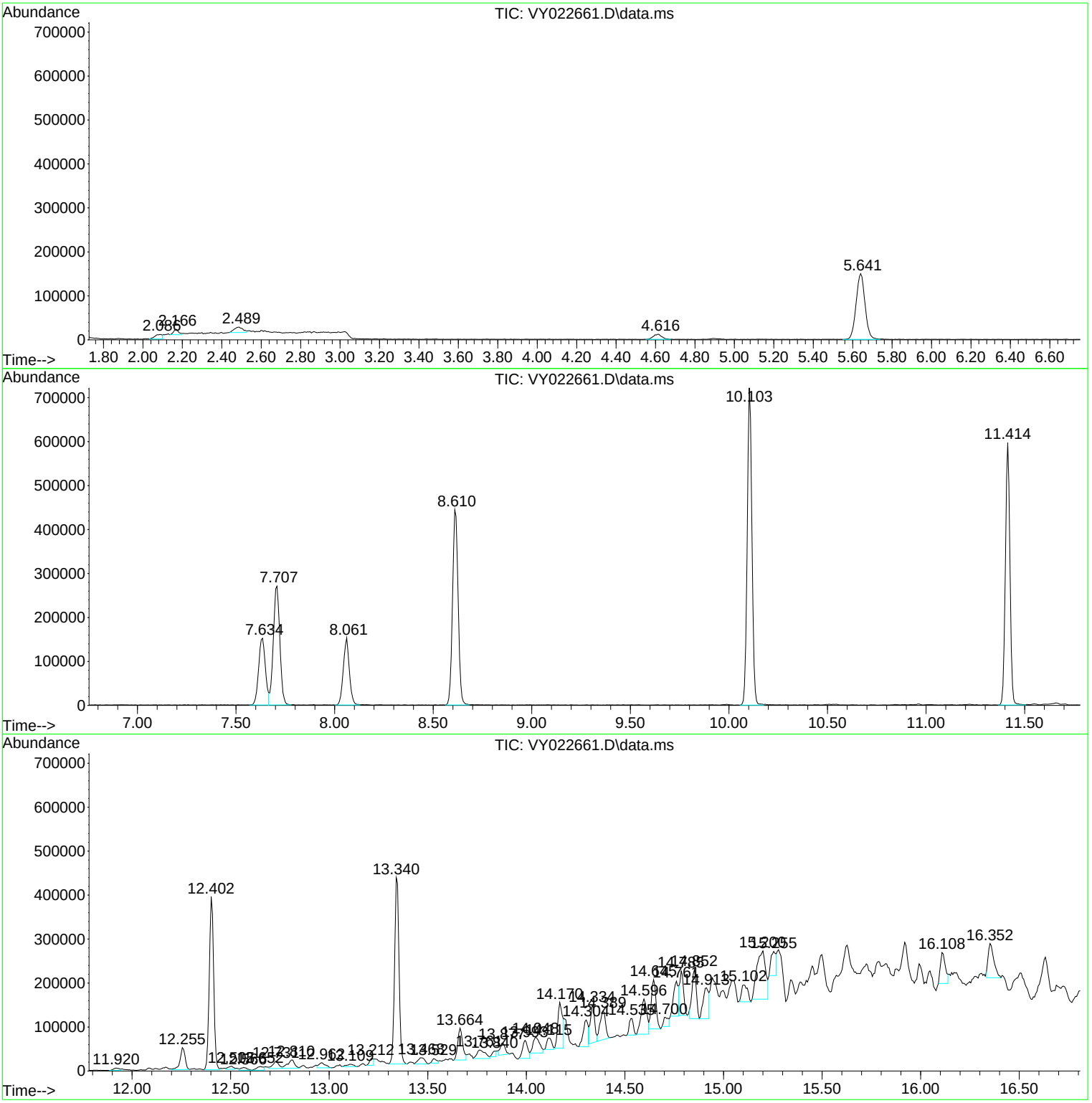
Operator : SY/MD
Sample : Q2283-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022661.D
Acq On : 11 Jun 2025 13:58
Operator : SY/MD
Sample : Q2283-01
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

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

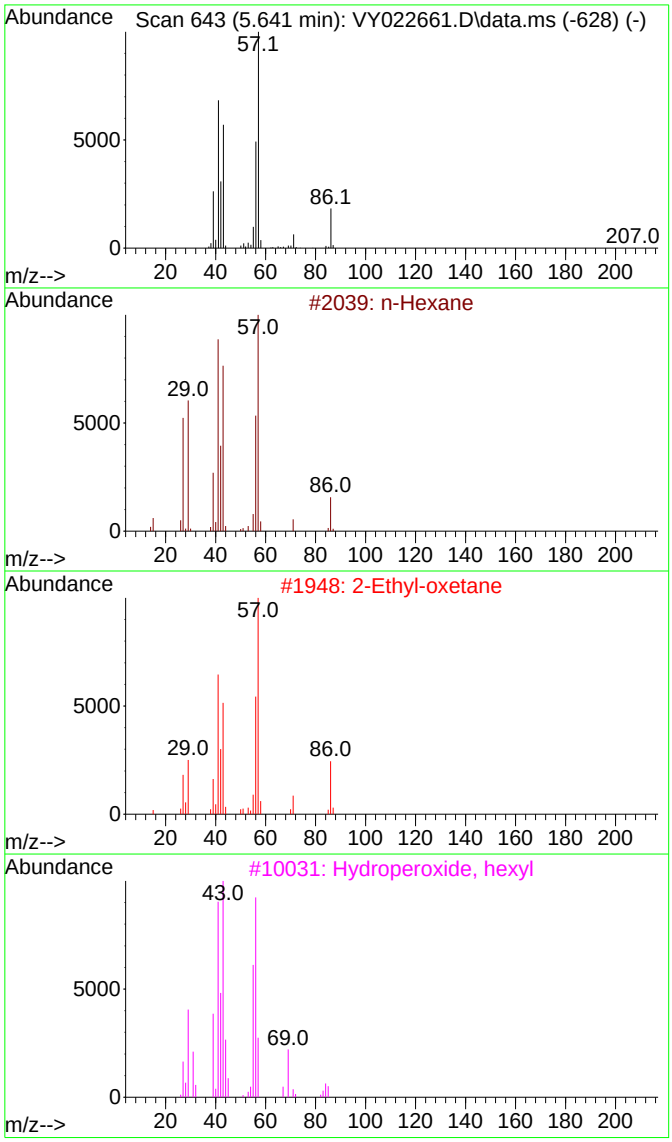
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

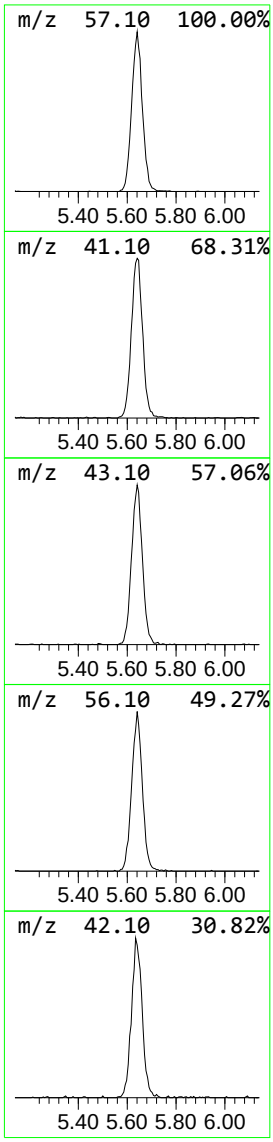
****

Peak Number 1 n-Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.641	37.99 ug/l	471148	Pentafluorobenzene	7.701

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	43
3	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	40
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	36





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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

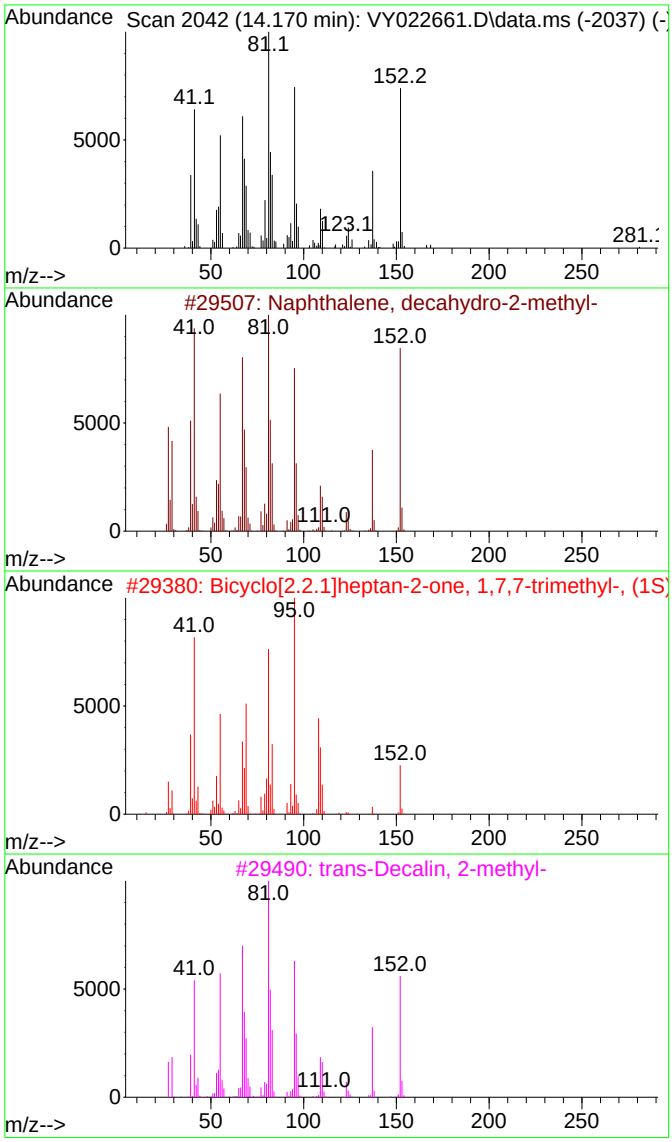
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

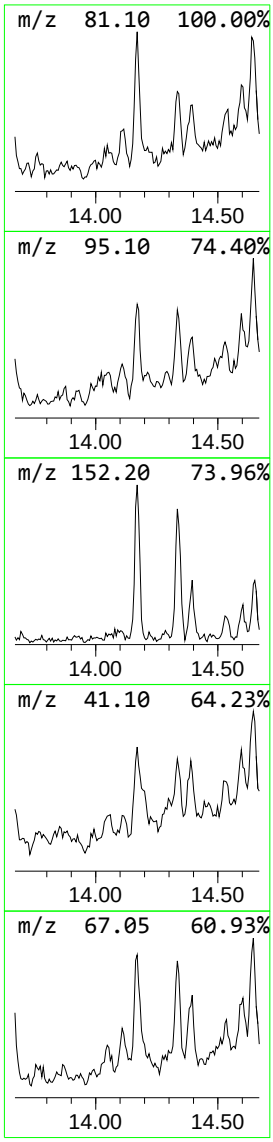
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	13.23 ug/l	176287	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	90
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
4	Pulegone	152	C10H16O	000089-82-7	62
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022661.D
Acq On : 11 Jun 2025 13:58
Operator : SY/MD
Sample : Q2283-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

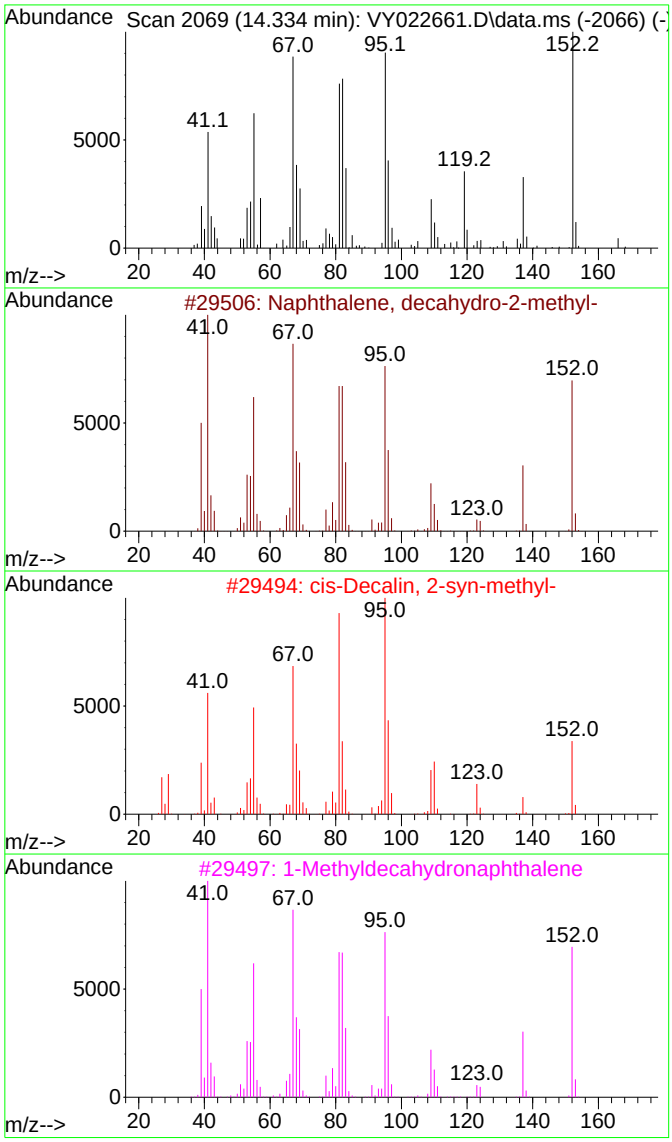
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

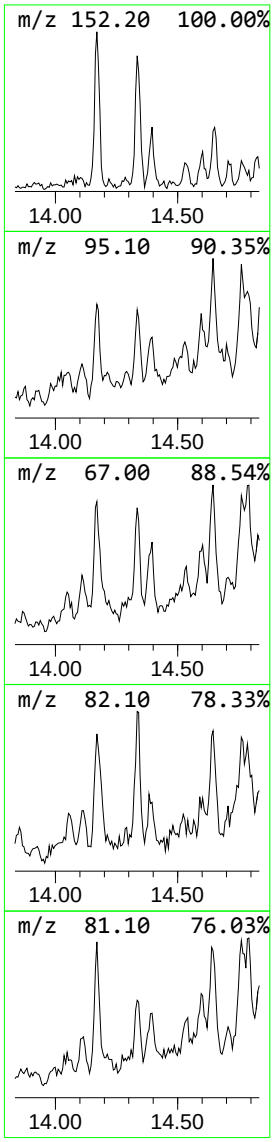
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 cis-Decalin, 2-syn-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.334	9.77 ug/l	130100	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	92
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	81
3	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	64
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	64
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	60





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Acq On : 11 Jun 2025 13:58
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Sample : Q2283-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

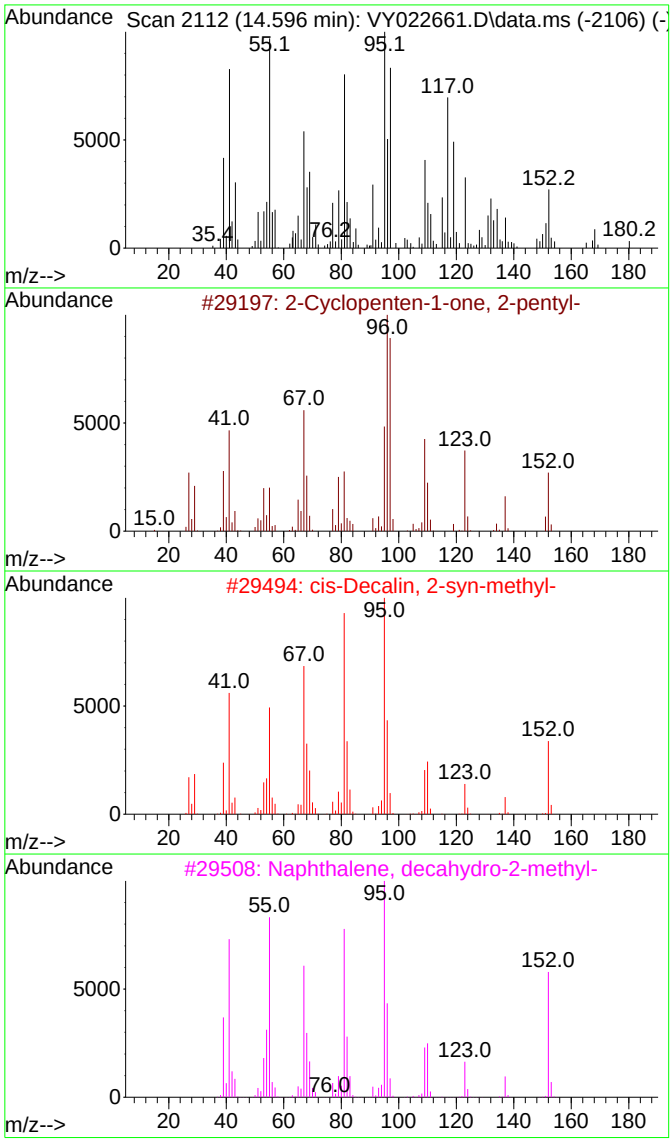
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

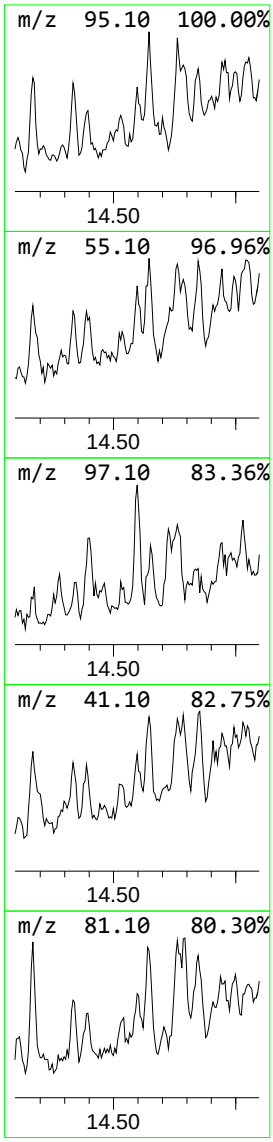
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Cyclopenten-1-one, 2-pentyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	12.64 ug/l	168347	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2-pentyl-	152	C10H16O	025564-22-1	52
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	50
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46
4	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	42
5	Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	41





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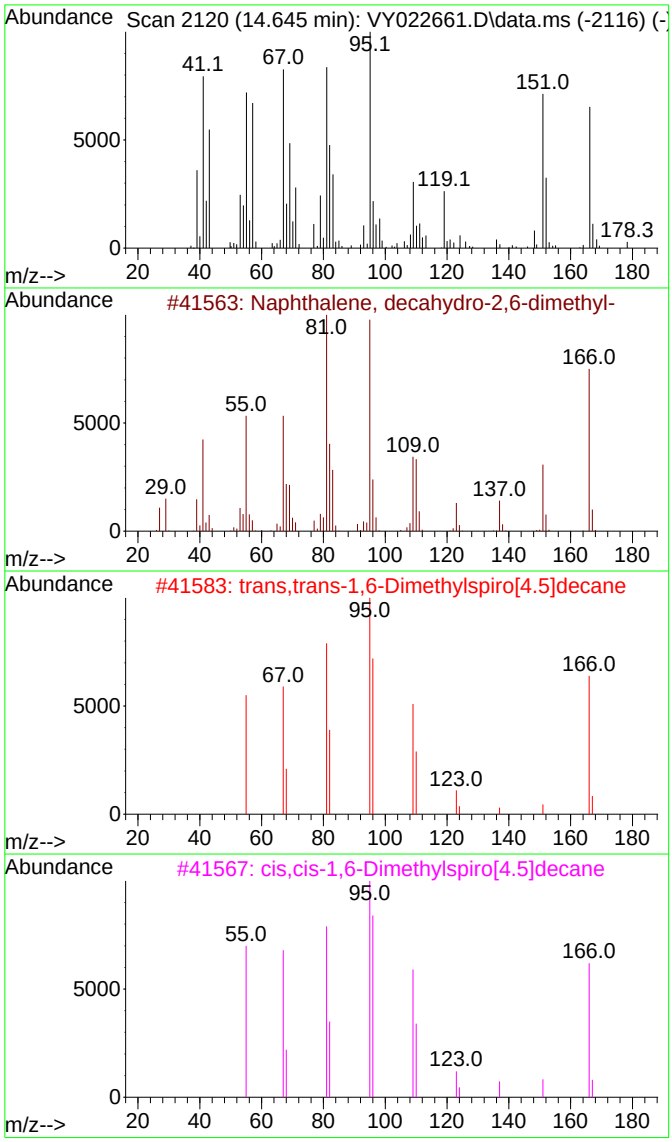
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

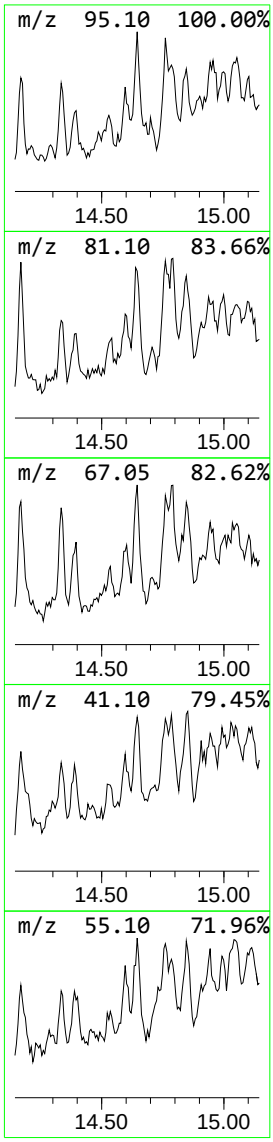
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, decahydro-2,6-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	13.82 ug/l	184036	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	89
2	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	70
3	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	70
4	1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	68
5	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	58





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

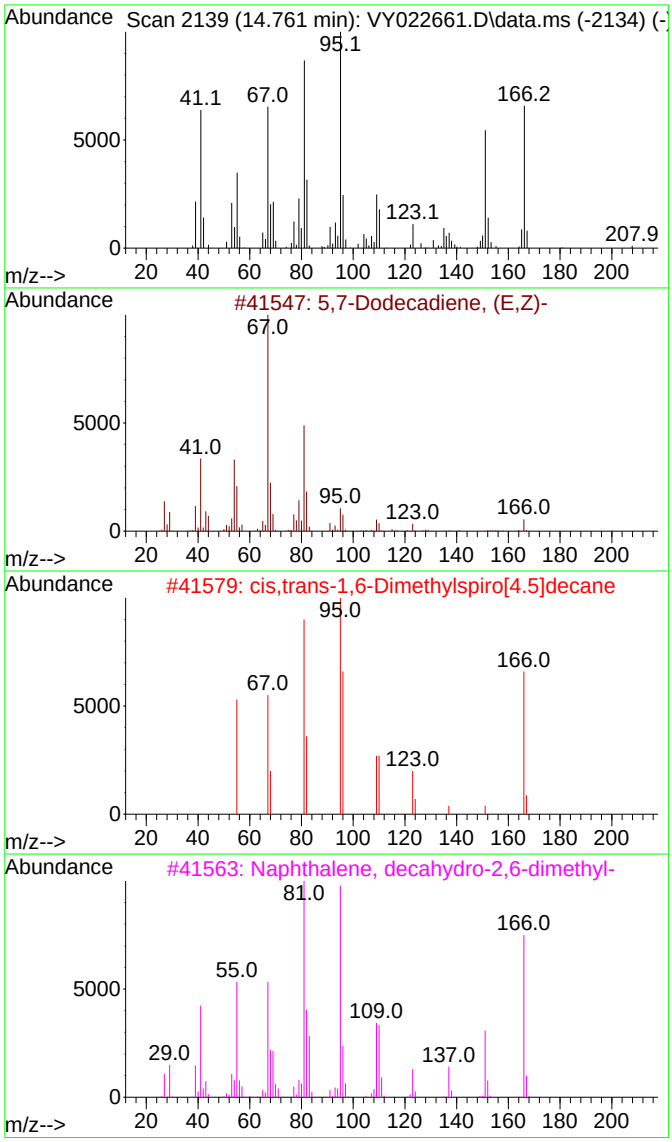
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

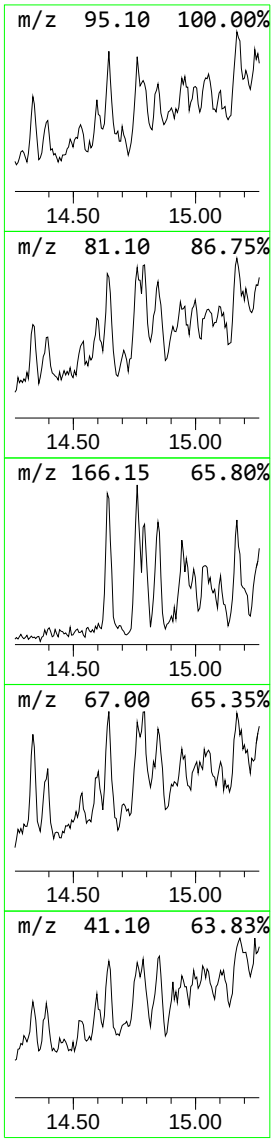
****

Peak Number 6 5,7-Dodecadiene, (E,Z)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.761	10.72 ug/l	142795	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,7-Dodecadiene, (E,Z)-	166	C12H22	021293-04-9	78
2	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	76
3	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	72
4	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	70
5	trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	64





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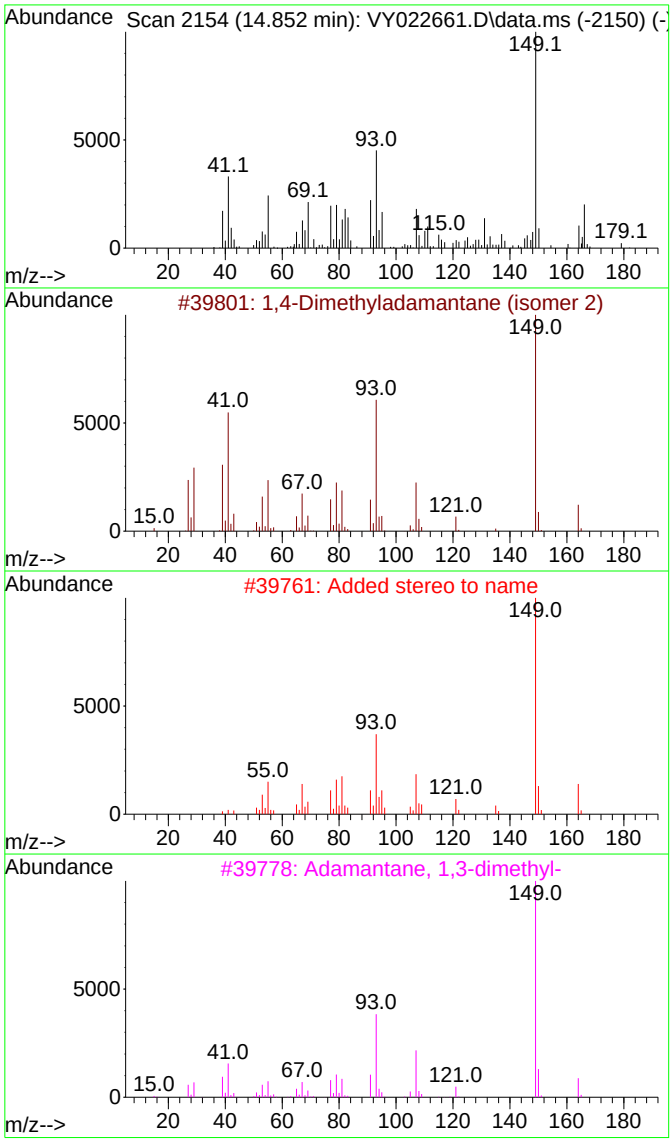
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

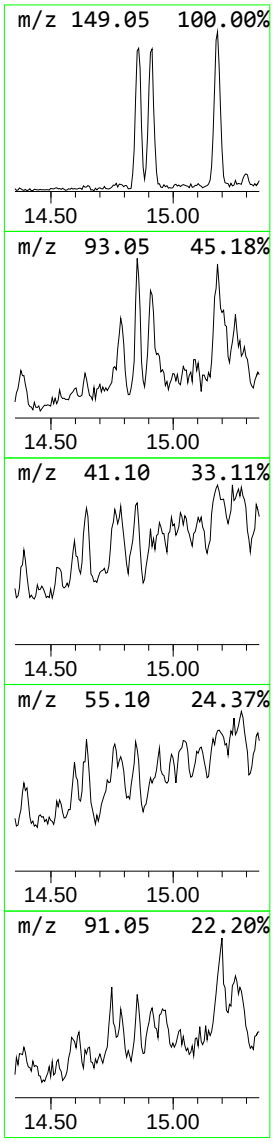
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1,4-Dimethyladamantane (iso... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.852	12.85 ug/l	171207	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyladamantane (isomer 2)	164	C12H20	1000460-67-1	74
2	Added stereo to name	164	C12H20	024145-89-9	60
3	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	58
4	1,4-Dimethyladamantane (isomer 1)	164	C12H20	1000460-67-0	58
5	2-(3-Methylbuta-1,3-dienyl)cyclo...	164	C11H16O	1000191-75-5	38





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Data File : VY022661.D
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Operator : SY/MD
Sample : Q2283-01
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

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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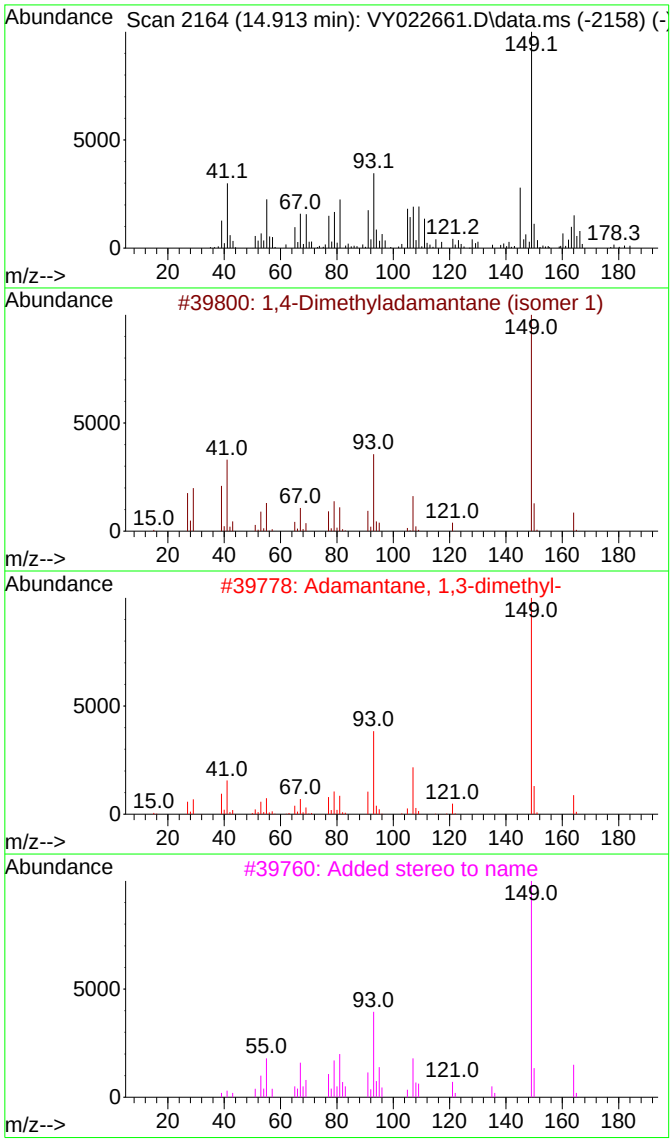
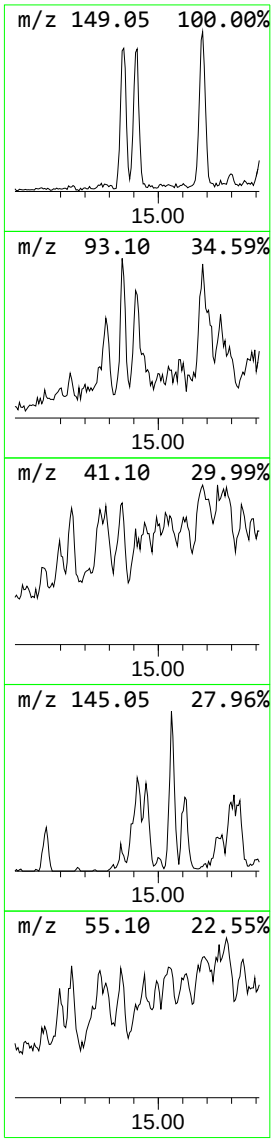
Peak Number 8 1,4-Dimethyladamantane (iso... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.913	10.42 ug/l	138774	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyladamantane (isomer 1)	164	C12H20	1000460-67-0	64
2	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	64
3	Added stereo to name	164	C12H20	024145-88-8	58
4	1,3-Cyclohexadiene, 1,3,5,5,6,6-...	164	C12H20	1000150-39-4	49
5	Pyridinium, 1-(acetylamino)-2,6-...	164	C9H12N2O	031020-35-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022661.D
Acq On : 11 Jun 2025 13:58
Operator : SY/MD
Sample : Q2283-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

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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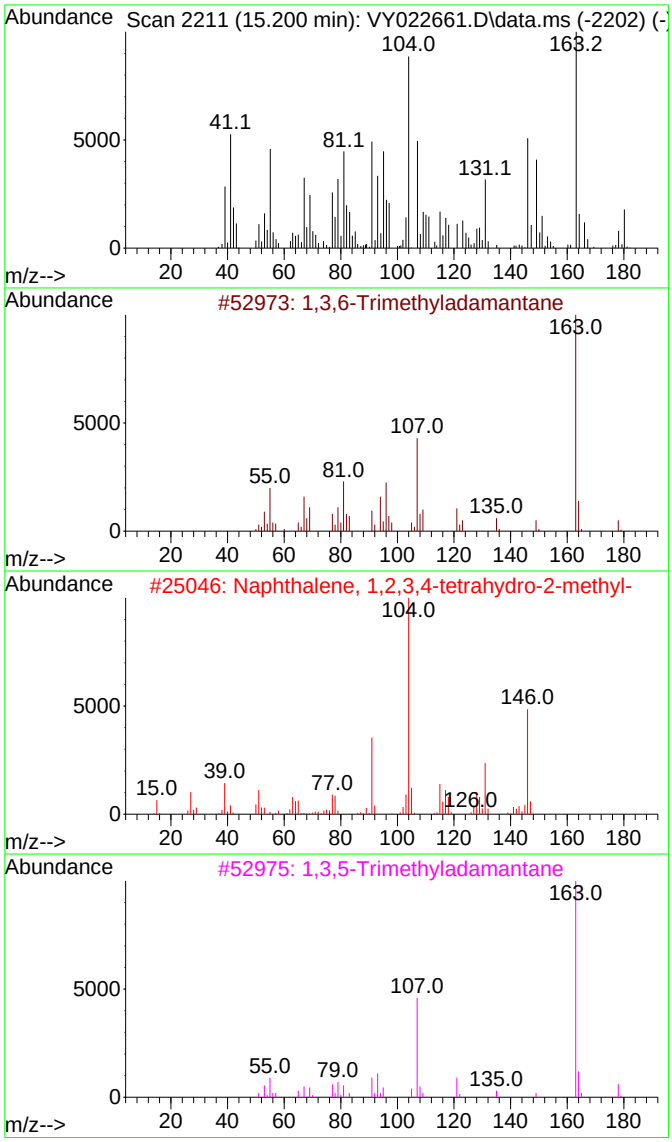
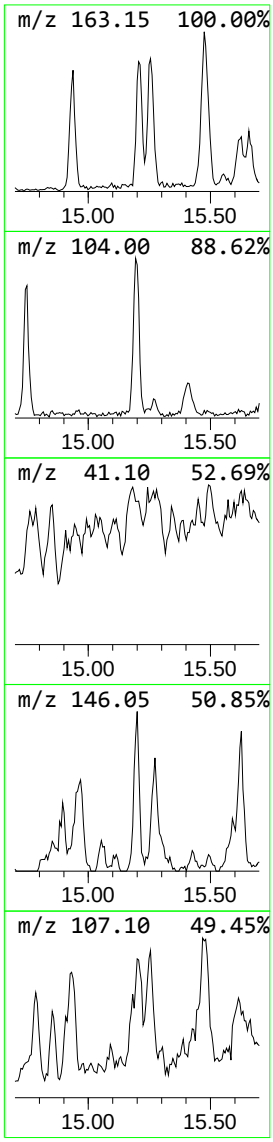
Peak Number 9 unknown15.200 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.200	26.04 ug/l	346854	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,6-Trimethyladamantane	178	C13H22	024139-37-5	38
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	38
3	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	18
4	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	18
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022661.D
Acq On : 11 Jun 2025 13:58
Operator : SY/MD
Sample : Q2283-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

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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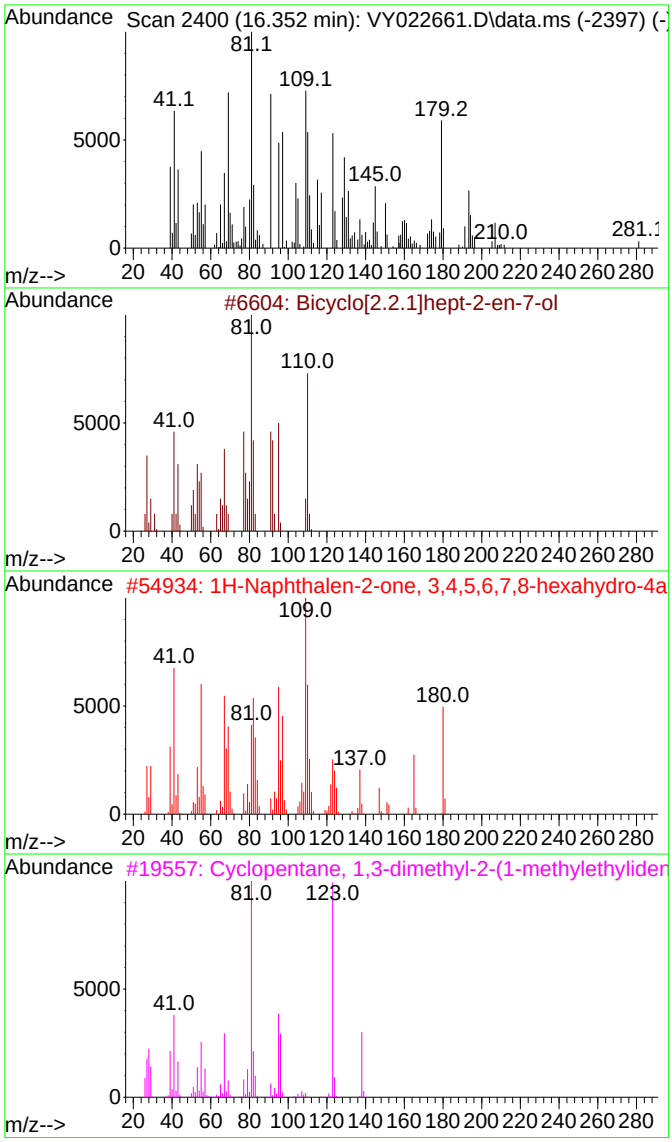
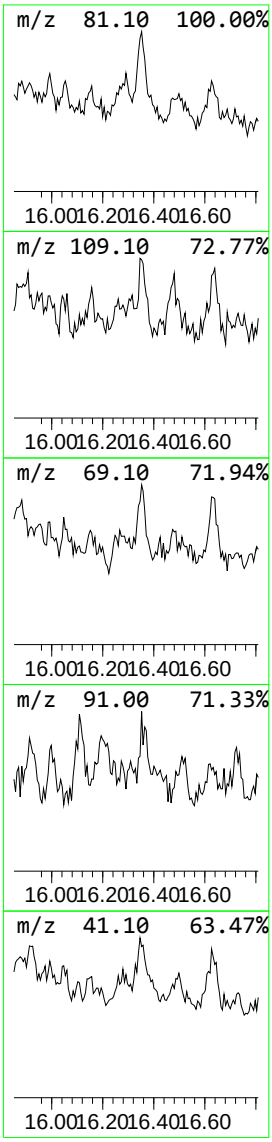
Peak Number 10 unknown16.352 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.352	11.65 ug/l	155146	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]hept-2-en-7-ol	110	C7H10O	053783-87-2	38
2	1H-Naphthalen-2-one, 3,4,5,6,7,8...	180	C12H20O	1010164-27-1	30
3	Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-30-1	27
4	3-Heptyne, 5-methyl-	110	C8H14	061228-09-9	27
5	1H-Imidazole, 2-ethyl-4-methyl-	110	C6H10N2	000931-36-2	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
Data File : VY022661.D
Acq On : 11 Jun 2025 13:58
Operator : SY/MD
Sample : Q2283-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

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

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	# RT	Resp	Conc
n-Hexane	5.641	38.0	ug/l	471148	1 7.701	620092	50.0
Naphthalene, de...	14.169	13.2	ug/l	176287	4 13.347	666044	50.0
cis-Decalin, 2-...	14.334	9.8	ug/l	130100	4 13.347	666044	50.0
2-Cyclopenten-1...	14.596	12.6	ug/l	168347	4 13.347	666044	50.0
Naphthalene, de...	14.645	13.8	ug/l	184036	4 13.347	666044	50.0
5,7-Dodecadiene...	14.761	10.7	ug/l	142795	4 13.347	666044	50.0
1,4-Dimethylada...	14.852	12.9	ug/l	171207	4 13.347	666044	50.0
1,4-Dimethylada...	14.913	10.4	ug/l	138774	4 13.347	666044	50.0
unknown15.200	15.200	26.0	ug/l	346854	4 13.347	666044	50.0
unknown16.352	16.352	11.7	ug/l	155146	4 13.347	666044	50.0