LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

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: VY022516.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.031	45	51	54	rBV	12904	20310	1.11%	0.155%
2	2.172	68	74	88	rBV2	148019	279916	15.31%	2.134%
3	3.873	341	353	367	rBV	89429	263299	14.40%	2.008%
4	4.866	504	516	532	rBV2	21797	87642	4.79%	0.668%
5	6.896	840	849	863	rBV	31828	91528	5.01%	0.698%
6	7.634	960	970	976	rBV2	200372	486361	26.60%	3.709%
7	7.707	976	982	994	rVB	363294	829586	45.37%	6.326%
8	8.061	1031	1040	1051	rBV	194219	447655	24.48%	3.413%
9	8.475	1101	1108	1115	rBV3	15892	35604	1.95%	0.271%
10	8.616	1122	1131	1141	rBV	590075	1154807	63.15%	8.806%
11	8.823	1160	1165	1172	rBV3	8623	20722	1.13%	0.158%
12	9.067	1199	1205	1215	rVB	35442	68131	3.73%	0.520%
13	9.451	1262	1268	1275	rVB2	15589	32126	1.76%	0.245%
14	9.999	1354	1358	1366	rVB2	13692	24079	1.32%	0.184%
15	10.109	1366	1376	1382	rBV	892218	1567373	85.71%	11.952%
16	10.170	1382	1386	1390	rVB	15435	26335	1.44%	0.201%
17	10.652	1461	1465	1468	rVB2	15254	22306	1.22%	0.170%
18	10.762	1478	1483	1488	rBV2	22165	35373	1.93%	0.270%
19	11.414	1584	1590	1602	rVB	705106	1134075	62.02%	8.648%
20	11.627	1622	1625	1628	rBV3	22974	38134	2.09%	0.291%
21	12.030	1688	1691	1696	rBV2	20946	31068	1.70%	0.237%
22	12.243	1720	1726	1740	rBV	564764	1072058	58.62%	8.175%
23	12.408	1747	1753	1761	rVB	431633	674638	36.89%	5.144%
24	12.731	1802	1806	1812	rVB	84766	114392	6.26%	0.872%
25	13.042	1854	1857	1861	rVB	25200	33749	1.85%	0.257%
26	13.194	1878	1882	1888	rVB3	73888	136738	7.48%	1.043%
27	13.261	1889	1893	1896	rBV	123677	170921	9.35%	1.303%
28	13.346	1902	1907	1913	rBV	337534	536512	29.34%	4.091%
29	13.407	1914	1917	1923	rVB4	42867	68168	3.73%	0.520%
30	13.670	1955	1960	1965	rBV4	38708	80226	4.39%	0.612%
31	13.767	1974	1976	1979	rBV3	14211	19933	1.09%	0.152%
32	13.822	1979	1985	1994	rBV	1222890	1828674	100.00%	13.944%
33	13.999	2011	2014	2018	rVB3	18104	24173	1.32%	0.184%
34	14.066	2021	2025	2029	rVB7	33548	50017	2.74%	0.381%
35	14.176	2039	2043	2045	rBV5	25374	39915	2.18%	0.304%
36	14.535	2099	2102	2106	rVB4	33374	45275	2.48%	0.345%

LSC Area Percent Report

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Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

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	14.596	2107	2112	2117	rVV4	45270	98821	5.40%	0.754%
38	14.651	2118	2121	2127	rVB5	33147	55130	3.01%	0.420%
39	14.749	2134	2137	2141	rBV5	40761	73592	4.02%	0.561%
40	14.858	2151	2155	2158	rVB5	40723	54633	2.99%	0.417%
41	14.962	2167	2172	2177	rBV6	33446	80325	4.39%	0.612%
42	15.041	2181	2185	2191	rVB4	99173	175188	9.58%	1.336%
43	15.279	2216	2224	2230	rBV4	55045	183232	10.02%	1.397%
44	15.626	2277	2281	2287	rVB4	96866	164430	8.99%	1.254%
45	15.925	2326	2330	2337	rVB2	97438	196250	10.73%	1.496%
46	16.047	2347	2350	2355	rVB7	34184	50612	2.77%	0.386%
47	16.114	2356	2361	2366	rBV2	110735	210870	11.53%	1.608%
48	16.358	2397	2401	2409	rBV10	68547	179417	9.81%	1.368%

Sum of corrected areas: 13114319

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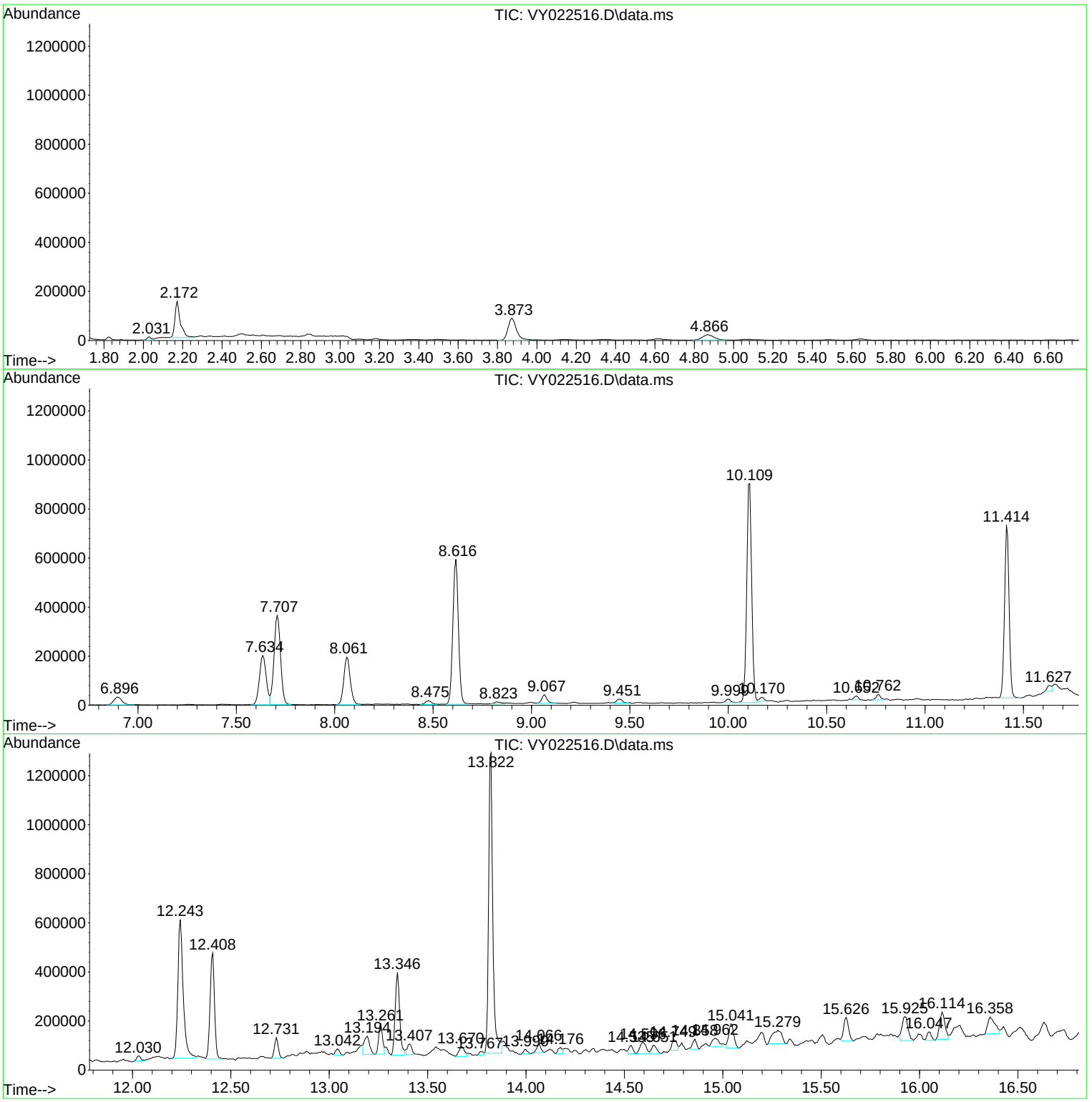
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

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\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
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MSVOA_Y
ClientSampleId :
447-SOLID

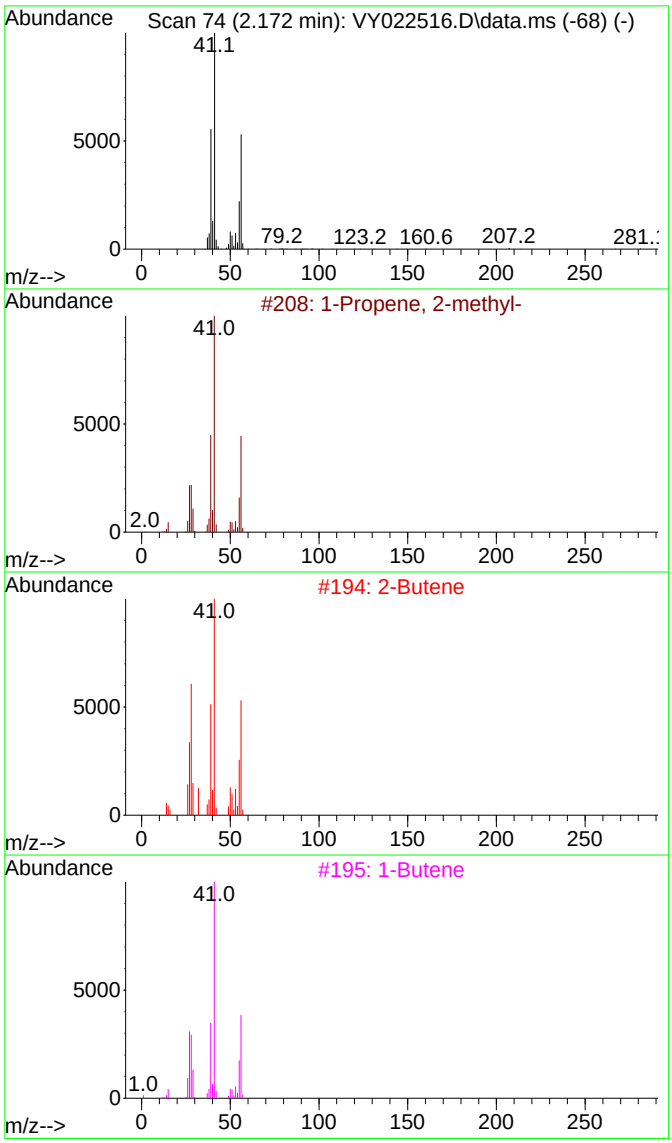
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

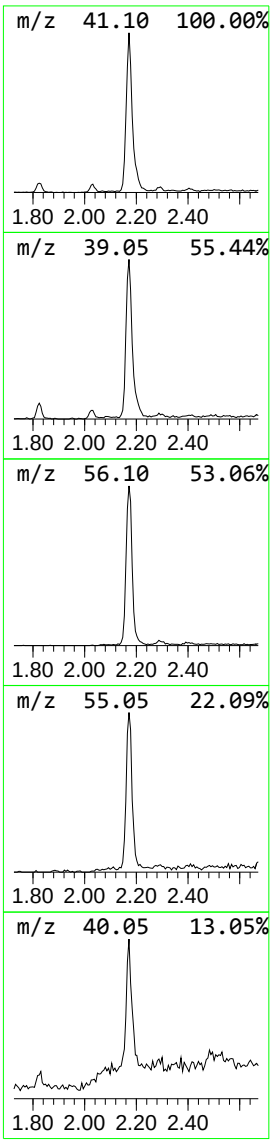
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1-Propene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.172	16.87 ug/l	279916	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	2-Butene	56	C4H8	000107-01-7	64
3	1-Butene	56	C4H8	000106-98-9	64
4	2-Butene, (Z)-	56	C4H8	000590-18-1	49
5	Cyclobutane	56	C4H8	000287-23-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

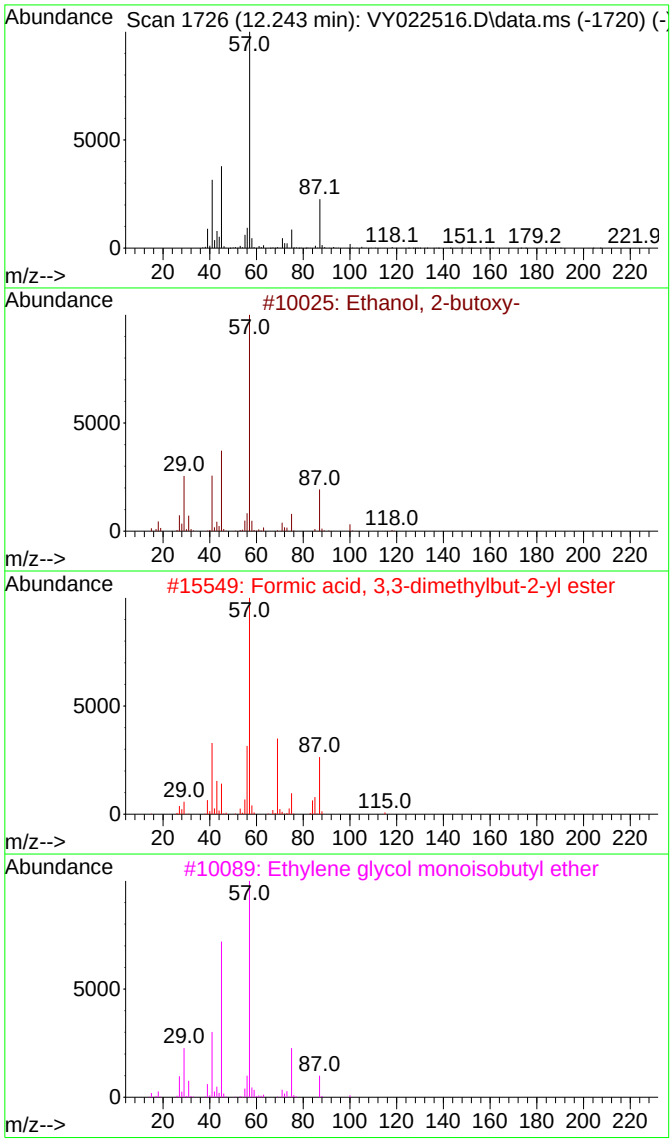
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

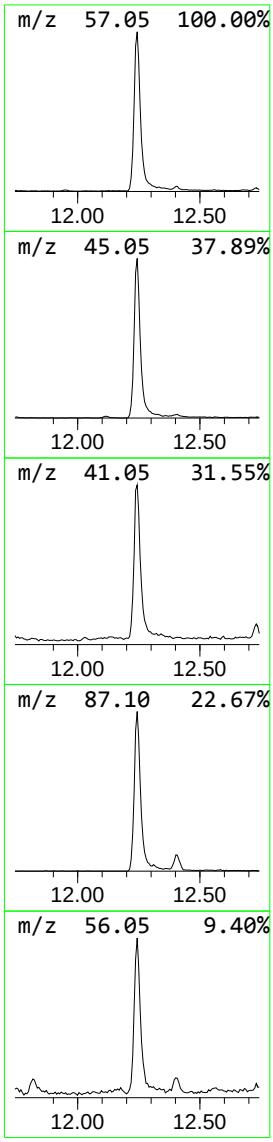
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-butoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.243	47.27 ug/l	1072060	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	91
2	Formic acid, 3,3-dimethylbut-2-y...	130	C7H14O2	1000368-20-5	45
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	43
4	Propane, 1-methoxy-2,2-dimethyl-	102	C6H14O	001118-00-9	42
5	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

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

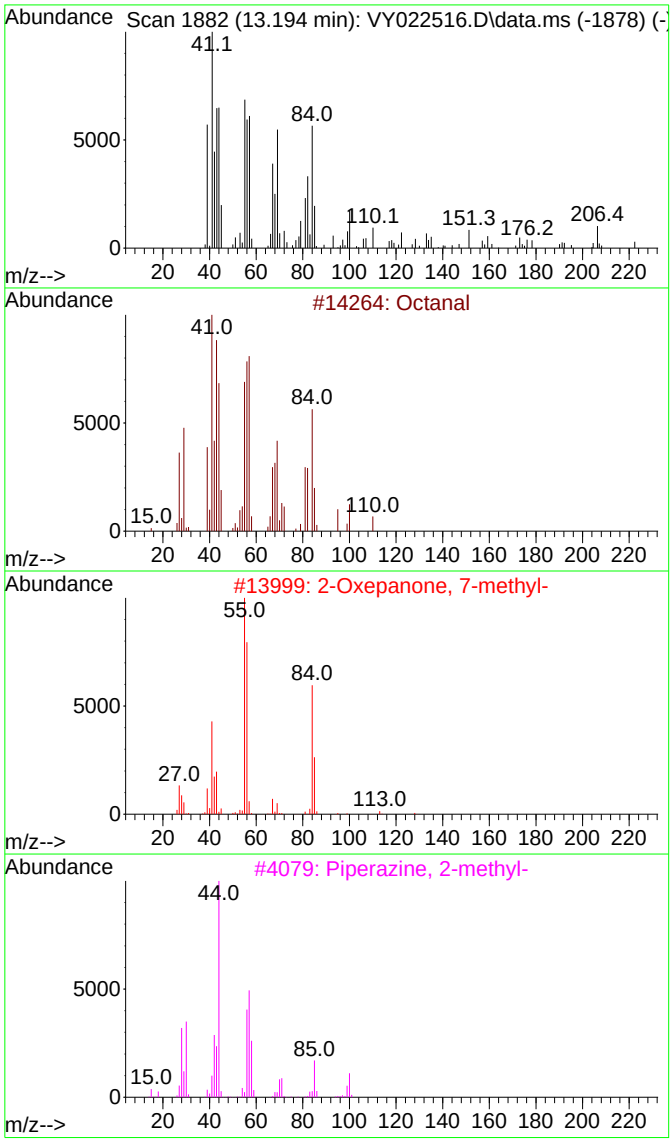
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

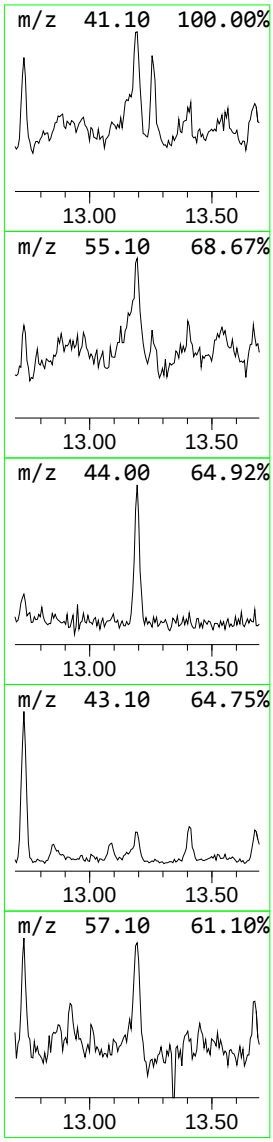
****

Peak Number 3 Octanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.194	12.74 ug/l	136738	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	64
2	2-Oxepanone, 7-methyl-	128	C7H12O2	002549-59-9	38
3	Piperazine, 2-methyl-	100	C5H12N2	000109-07-9	27
4	3-Amino-1,2,4-triazole-5-carboxy...	128	C3H4N4O2	003641-13-2	22
5	Cyclohexane	84	C6H12	000110-82-7	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

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

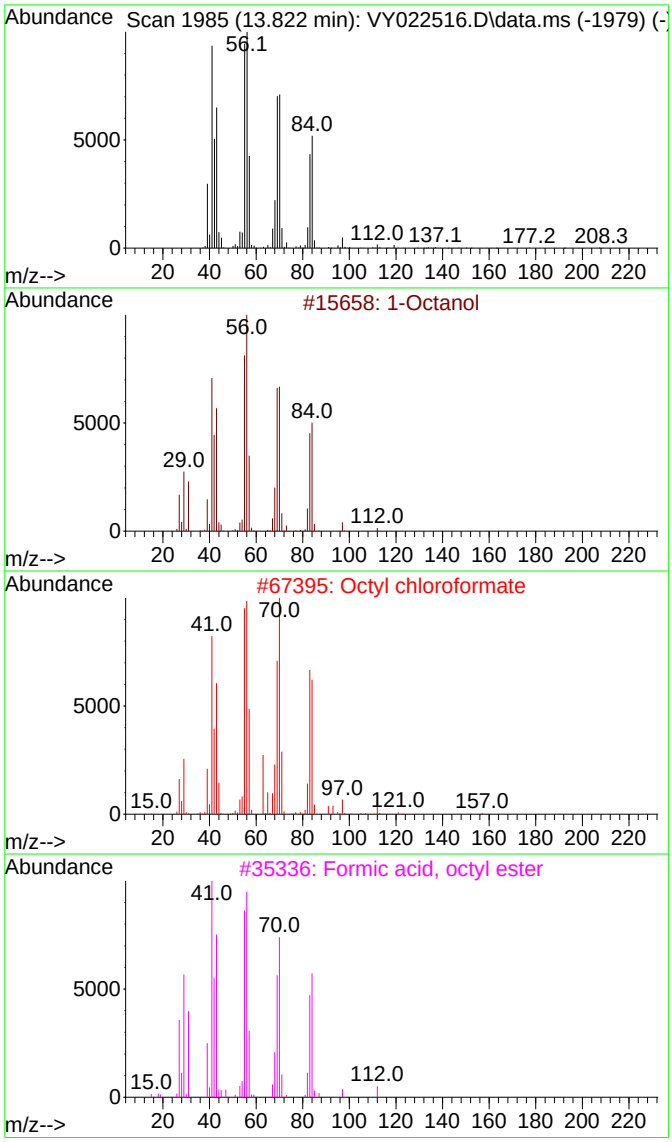
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

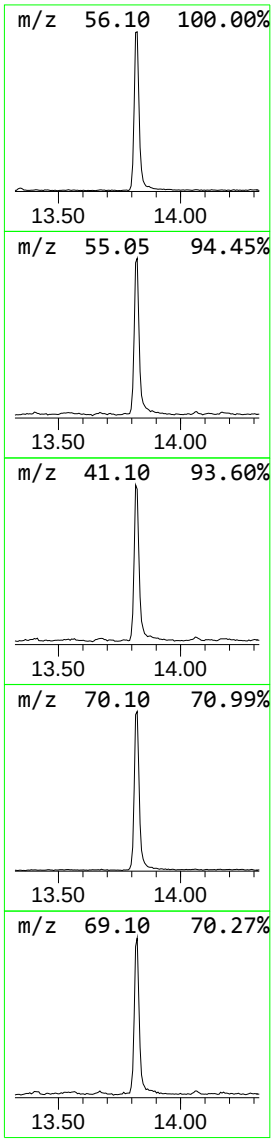
****

Peak Number 4 1-Octanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.822	170.42 ug/l	1828670	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol	130	C8H18O	000111-87-5	91
2	Octyl chloroformate	192	C9H17ClO2	007452-59-7	90
3	Formic acid, octyl ester	158	C9H18O2	000112-32-3	90
4	Cyclooctane	112	C8H16	000292-64-8	87
5	Nonyl chloroformate	206	C10H19ClO2	057045-82-6	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

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

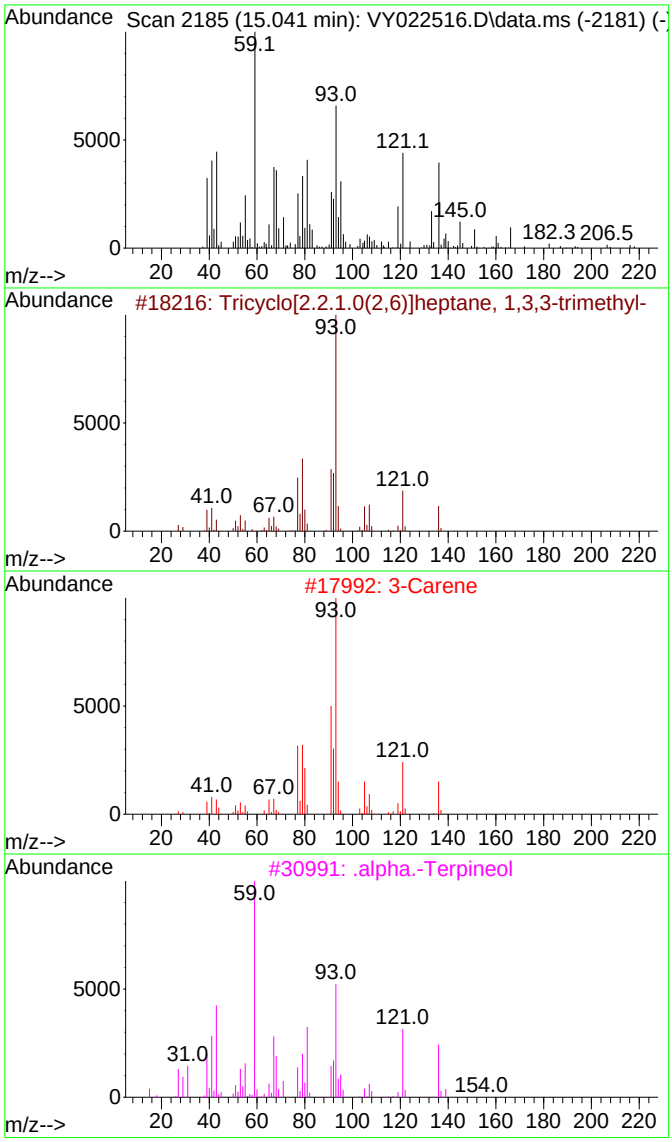
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

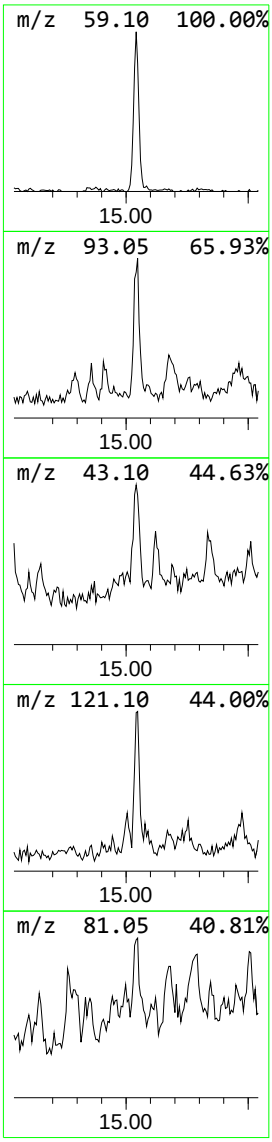
****

Peak Number 5 unknown15.041 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.041	16.33 ug/l	175188	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	41
2	3-Carene	136	C10H16	013466-78-9	35
3	.alpha.-Terpineol	154	C10H18O	000098-55-5	35
4	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	30
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	30





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Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

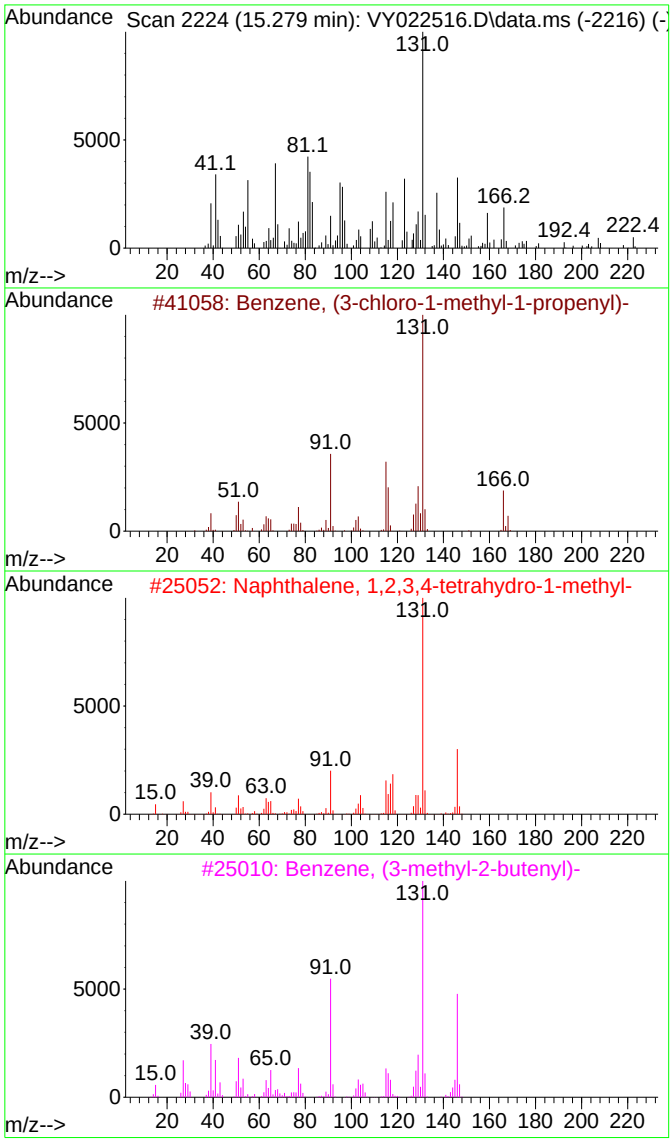
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

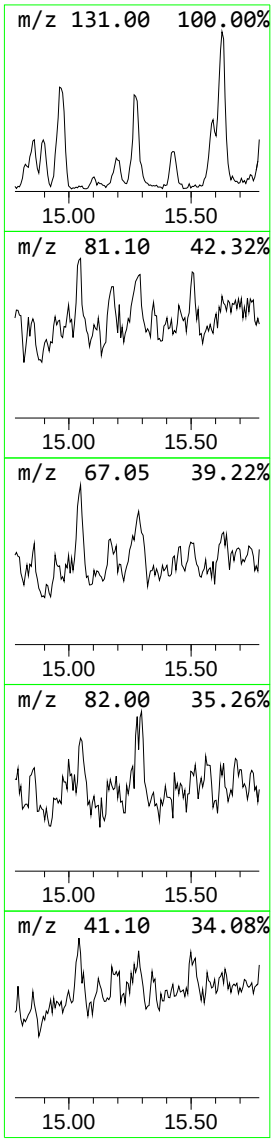
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, (3-chloro-1-methyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.279	17.08 ug/l	183232	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-chloro-1-methyl-1-pr...	166	C10H11Cl	1000327-43-7	52
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	42
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	42
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	42





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Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
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Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

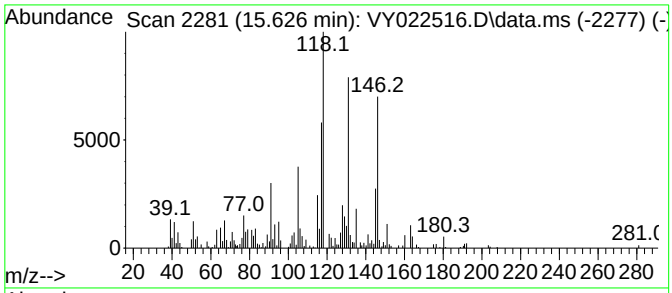
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

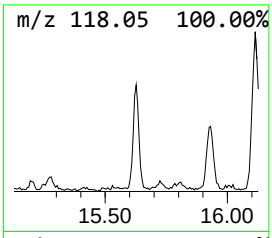
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

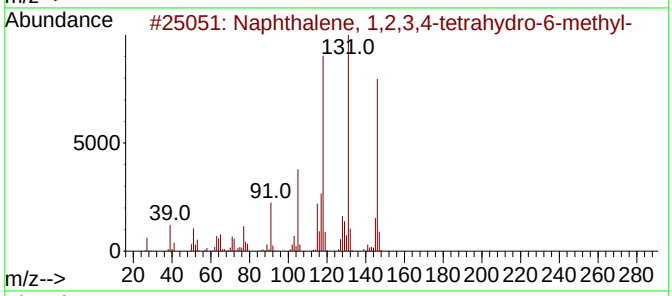
****
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

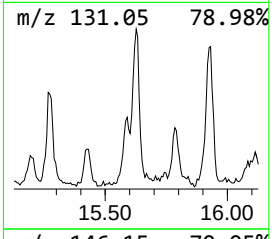
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.627	15.32 ug/l	164430	1,4-Dichlorobenzene-d4	13.346

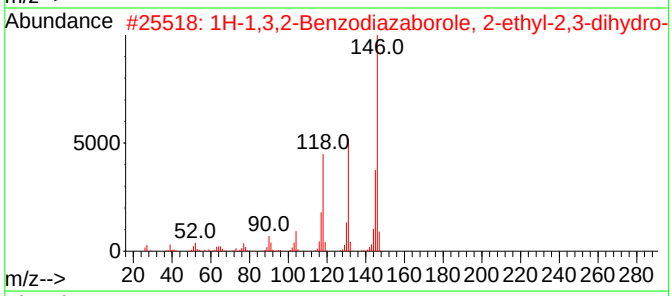
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	76
2	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	76
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	68
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	41
5	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	38

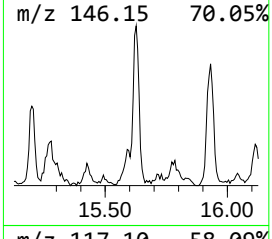


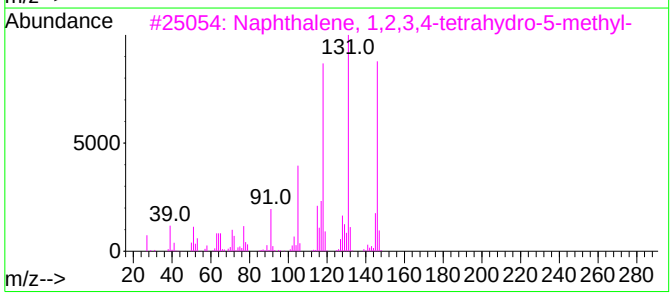


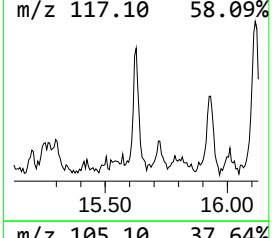


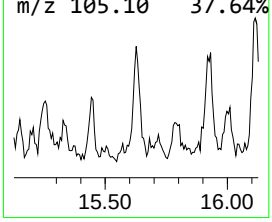












Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

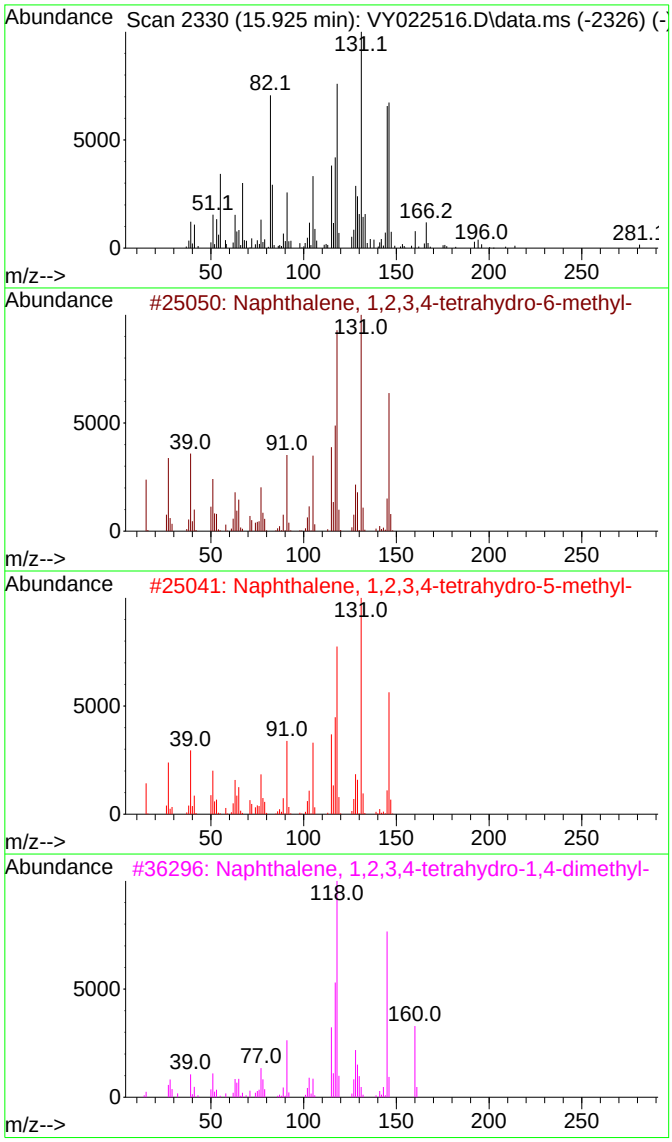
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

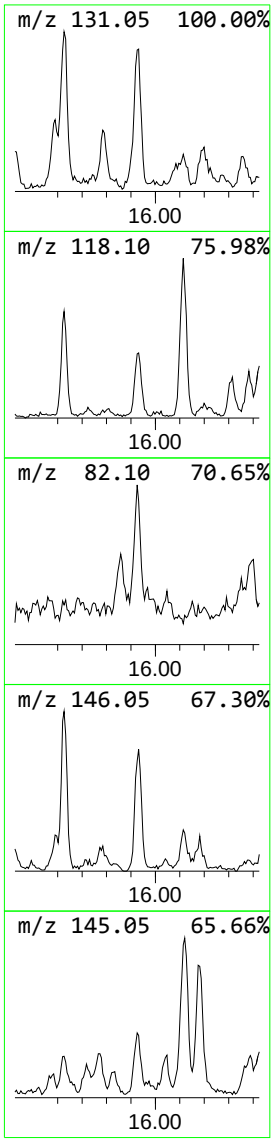
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.925	18.29 ug/l	196250	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	76
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	50
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	46
5	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

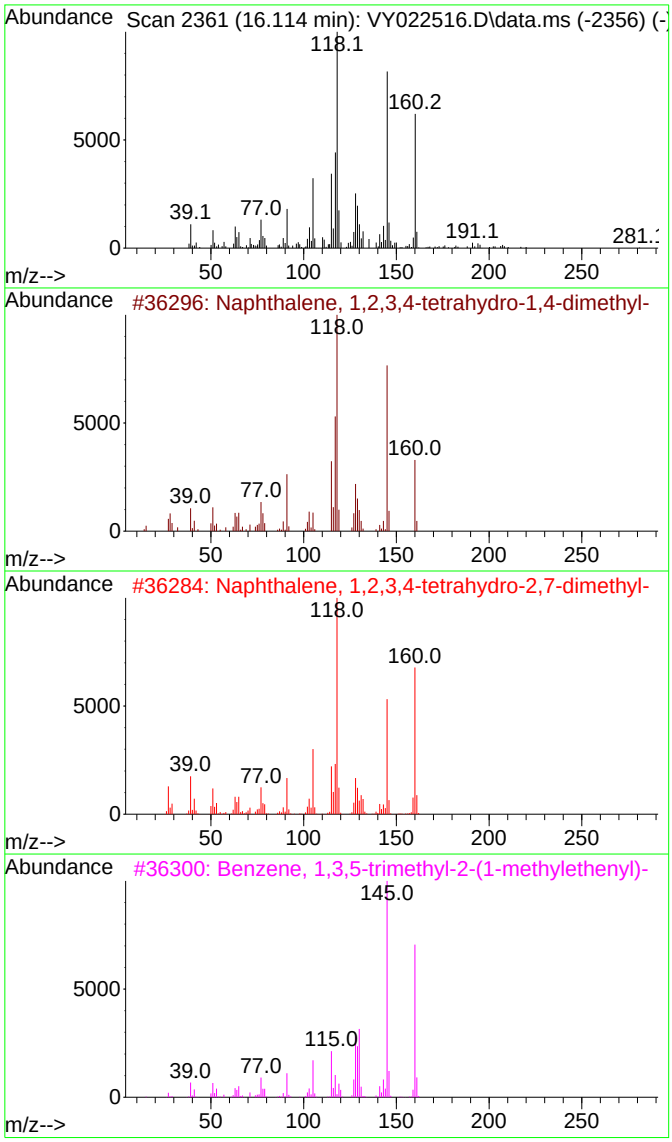
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

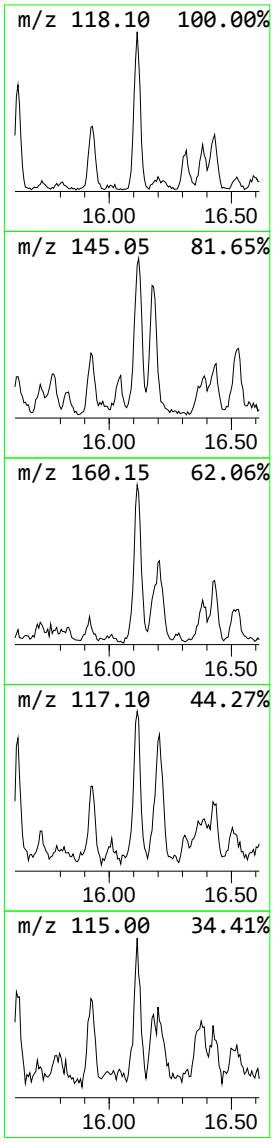
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.114	19.65 ug/l	210870	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	78
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	74
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

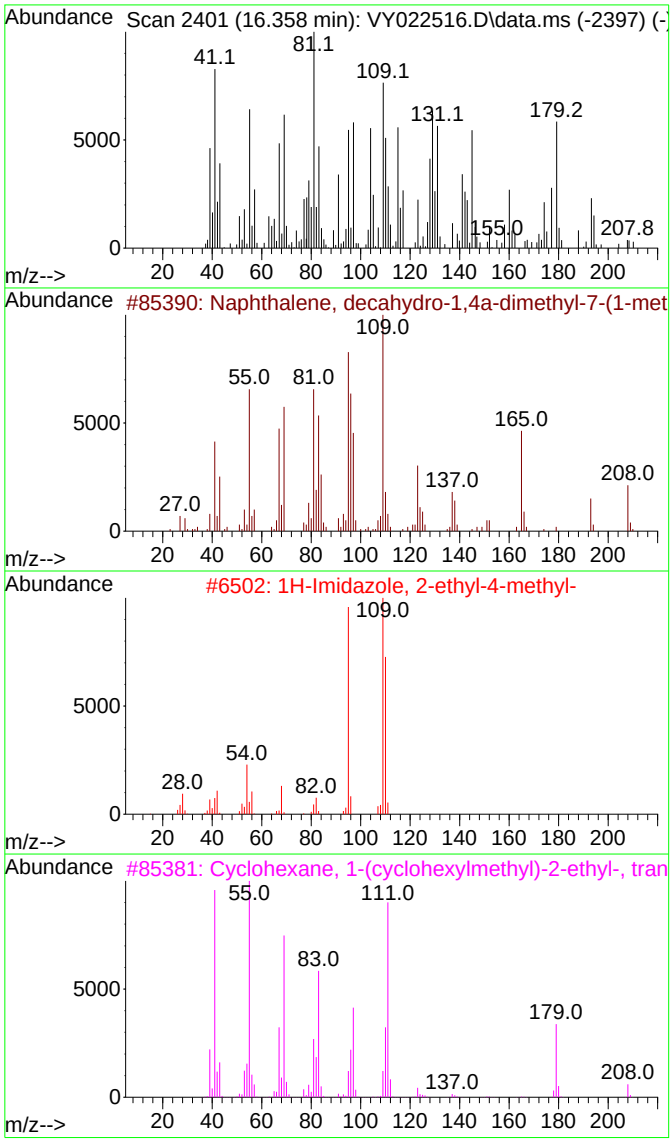
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

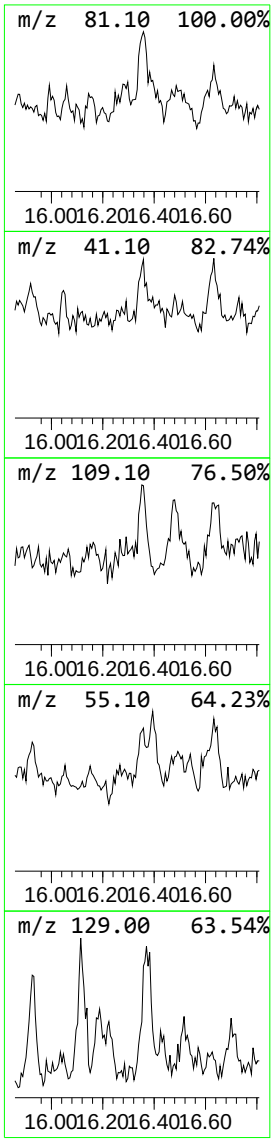
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown16.358 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.358	16.72 ug/l	179417	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,4a-dime...	208	C15H28	030824-81-8	30
2	1H-Imidazole, 2-ethyl-4-methyl-	110	C6H10N2	000931-36-2	22
3	Cyclohexane, 1-(cyclohexylmethyl...	208	C15H28	054934-92-8	20
4	1H-Pyrazole, 1,3,5-trimethyl-	110	C6H10N2	001072-91-9	18
5	cis,trans-1,9-Dimethylspiro[5.5]...	180	C13H24	1000111-73-3	15





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

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
1-Propene, 2-me...	2.172	16.9	ug/l	279916	1	7.707	829586	50.0
Ethanol, 2-butoxy-	12.243	47.3	ug/l	1072060	3	11.414	1134080	50.0
Octanal	13.194	12.7	ug/l	136738	4	13.346	536512	50.0
1-Octanol	13.822	170.4	ug/l	1828670	4	13.346	536512	50.0
unknown15.041	15.041	16.3	ug/l	175188	4	13.346	536512	50.0
Benzene, (3-chl...	15.279	17.1	ug/l	183232	4	13.346	536512	50.0
Naphthalene, 1,...	15.627	15.3	ug/l	164430	4	13.346	536512	50.0
Naphthalene, 1,...	15.925	18.3	ug/l	196250	4	13.346	536512	50.0
Naphthalene, 1,...	16.114	19.6	ug/l	210870	4	13.346	536512	50.0
unknown16.358	16.358	16.7	ug/l	179417	4	13.346	536512	50.0