LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

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\82Y100322S.M
Title : SW846 8260

Signal : TIC: VY010900.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.783	971	978	987	rVB2	415211	1122074	1.29%	0.239%
2	8.161	1028	1040	1052	rBV	16142030	35907963	41.38%	7.662%
3	8.685	1117	1126	1148	rBV	614760	1372895	1.58%	0.293%
4	9.179	1191	1207	1213	rBV2	403067	996243	1.15%	0.213%
5	9.819	1307	1312	1325	rVB2	437586	999778	1.15%	0.213%
6	10.179	1363	1371	1376	rBV	1288716	2405348	2.77%	0.513%
7	10.240	1376	1381	1388	rVB2	605767	1212300	1.40%	0.259%
8	10.368	1394	1402	1409	rVB2	601037	1142500	1.32%	0.244%
9	10.606	1434	1441	1454	rBV5	298744	877821	1.01%	0.187%
10	11.282	1543	1552	1563	rBV5	409676	1149954	1.33%	0.245%
11	11.490	1578	1586	1591	rBV	857376	1488325	1.72%	0.318%
12	11.593	1596	1603	1612	rBV	40994414	76322588	87.95%	16.286%
13	11.703	1612	1621	1631	rVB	27947501	51359475	59.19%	10.959%
14	12.026	1663	1674	1682	rBV	9845651	15827486	18.24%	3.377%
15	12.331	1714	1724	1729	rBV	5972683	9342356	10.77%	1.993%
16	12.483	1744	1749	1753	rBV	606861	924626	1.07%	0.197%
17	12.672	1771	1780	1784	rBV	2066724	3279479	3.78%	0.700%
18	12.733	1784	1790	1793	rBV	4737555	7466140	8.60%	1.593%
19	12.764	1793	1795	1799	rVV	5151088	7126905	8.21%	1.521%
20	12.812	1799	1803	1809	rVB	4540713	6559141	7.56%	1.400%
21	12.971	1821	1829	1837	rBV	4125188	6601616	7.61%	1.409%
22	13.117	1847	1853	1860	rBV	18540483	27754796	31.98%	5.922%
23	13.312	1879	1885	1890	rVV	929257	1688430	1.95%	0.360%
24	13.367	1890	1894	1899	rVV	927776	1551303	1.79%	0.331%
25	13.459	1899	1909	1913	rVV	8346305	13613256	15.69%	2.905%
26	13.501	1913	1916	1924	rVB	1969846	2713329	3.13%	0.579%
27	13.629	1925	1937	1951	rBV2	44382479	86776175	100.00%	18.516%
28	13.806	1961	1966	1974	rVB2	3169873	5098192	5.88%	1.088%
29	13.885	1974	1979	1981	rBV	787963	1168562	1.35%	0.249%
30	13.910	1981	1983	1988	rVB2	776195	1024659	1.18%	0.219%
31	13.971	1988	1993	1997	rBV	1873943	2816594	3.25%	0.601%
32	14.026	1997	2002	2006	rVV2	475573	967262	1.11%	0.206%
33	14.081	2006	2011	2016	rVB	1249291	1964160	2.26%	0.419%
34	14.294	2037	2046	2049	rVV	1138518	2106096	2.43%	0.449%
35	14.330	2049	2052	2057	rVV	1717122	2567275	2.96%	0.548%
36	14.398	2057	2063	2067	rVV3	569557	1522836	1.75%	0.325%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

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\82Y100322S.M
Title : SW846 8260

37	14.440	2067	2070	2079	rVB2	574192	1142592	1.32%	0.244%
38	14.562	2085	2090	2095	rBV	1849552	2668110	3.07%	0.569%
39	14.672	2102	2108	2115	rBV2	2102495	4572037	5.27%	0.976%
40	14.745	2115	2120	2127	rVB2	2244446	3670044	4.23%	0.783%
41	14.830	2128	2134	2143	rVB	3096686	4848875	5.59%	1.035%
42	14.928	2143	2150	2156	rBV4	481286	1232007	1.42%	0.263%
43	15.239	2193	2201	2211	rVB2	30155797	55374143	63.81%	11.816%
44	15.330	2211	2216	2225	rVB	501548	943810	1.09%	0.201%
45	16.287	2366	2373	2388	rVB	2024952	4053949	4.67%	0.865%
46	16.489	2398	2406	2416	rVB	1627869	3323395	3.83%	0.709%

Sum of corrected areas: 468646900

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
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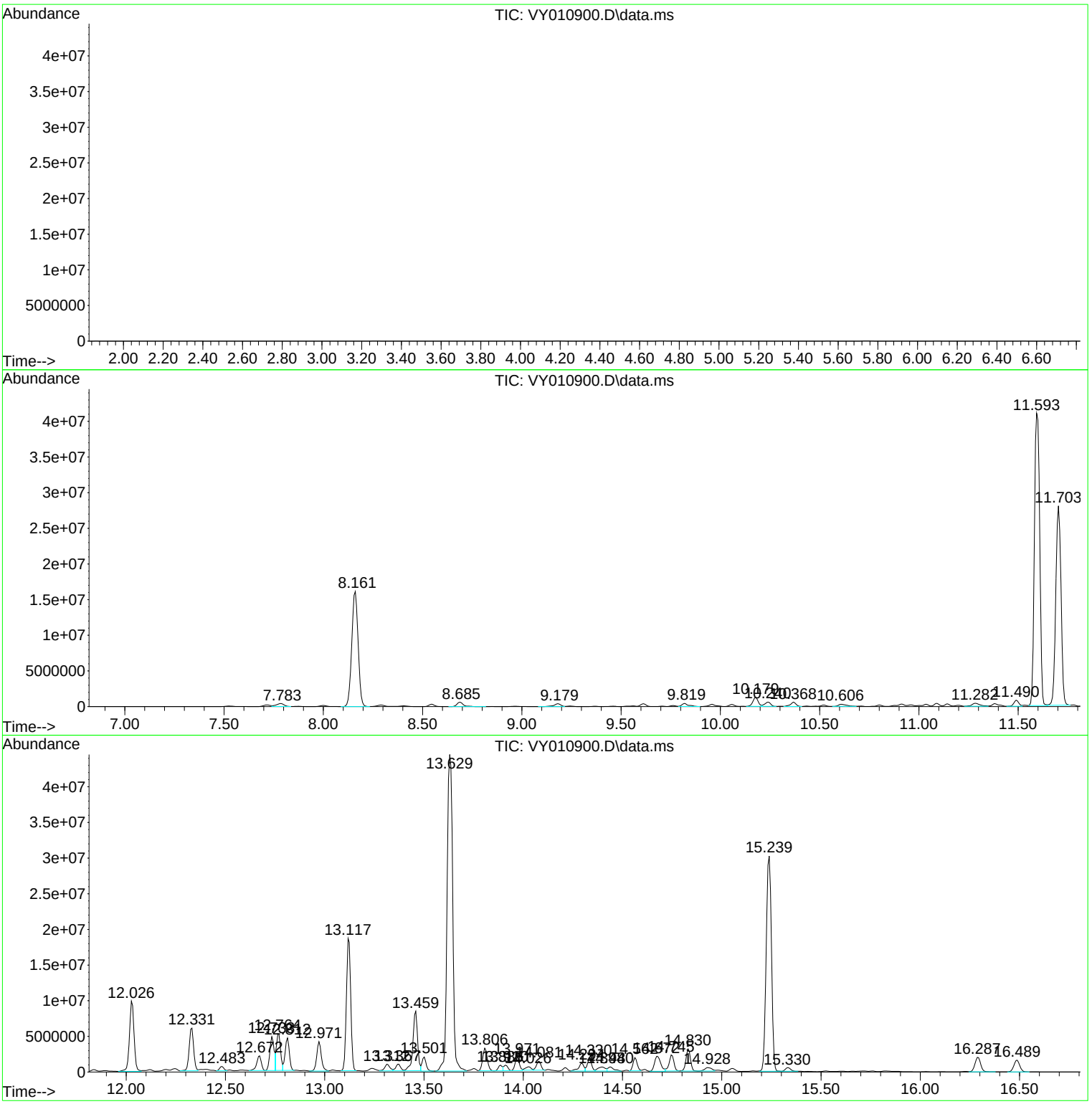
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

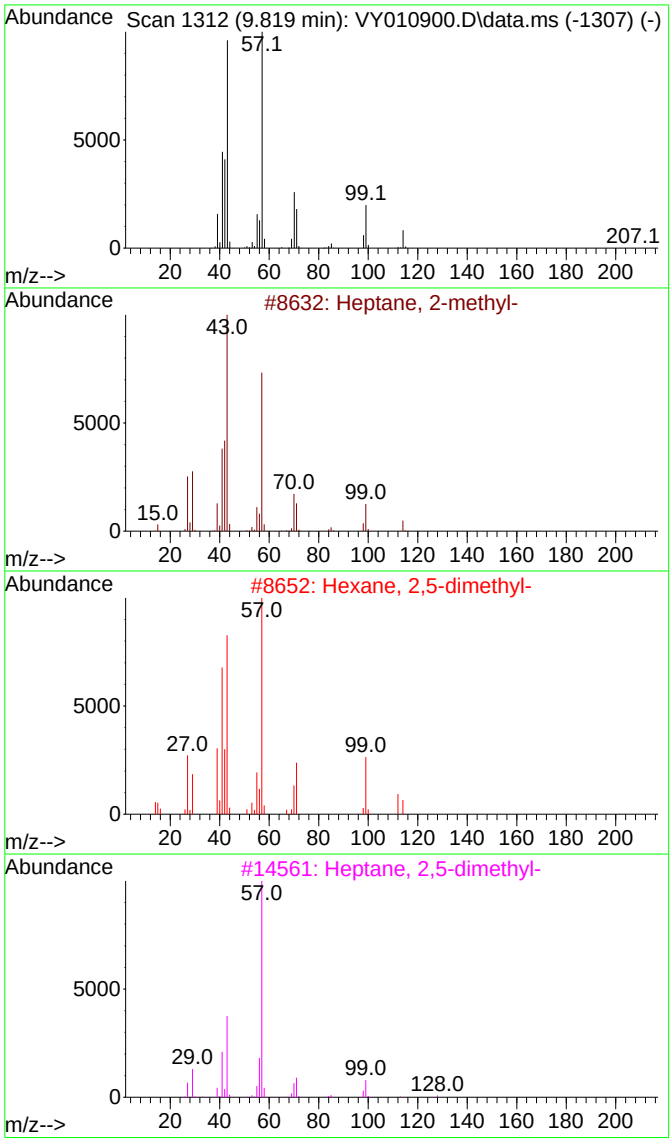
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

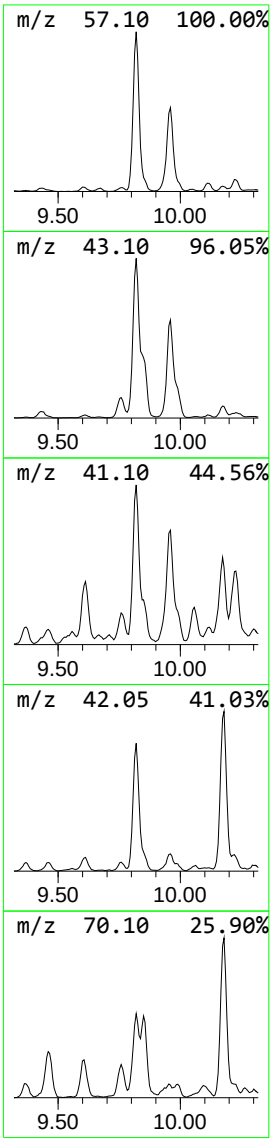
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.819	36.41 ug/l	999778	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	38
4	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	38
5	1-Pyrrolidinecarboxaldehyde	99	C5H9NO	003760-54-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

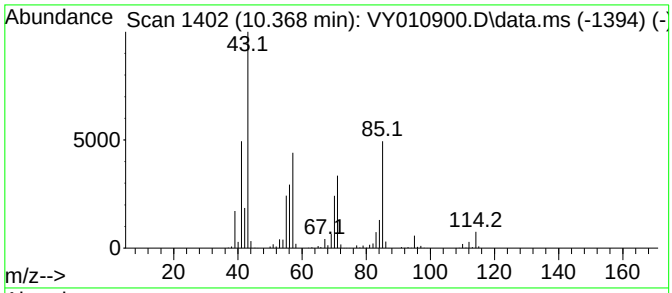
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

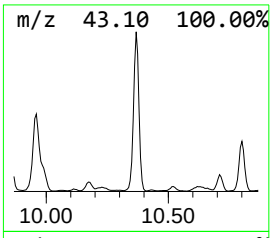
****

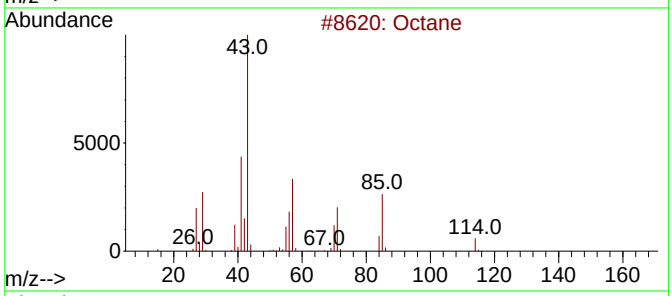
Peak Number 2 Octane Concentration Rank 4

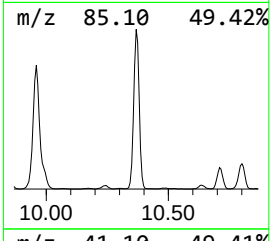
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.368	38.38 ug/l	1142500	Chlorobenzene-d5	11.490

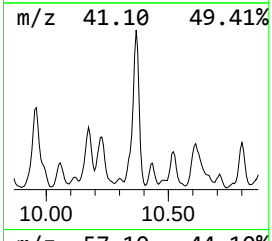
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
3	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	72
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	53
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	50

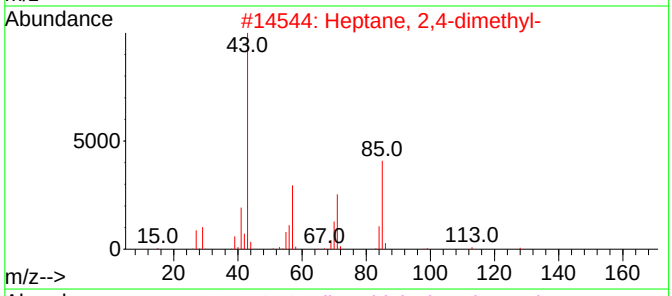


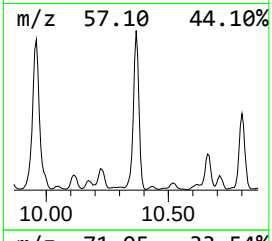


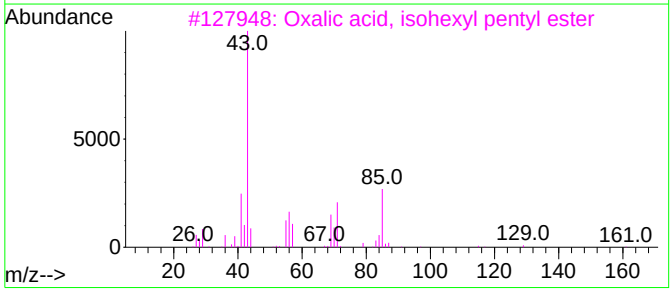


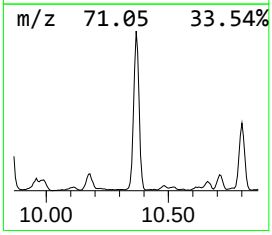












Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

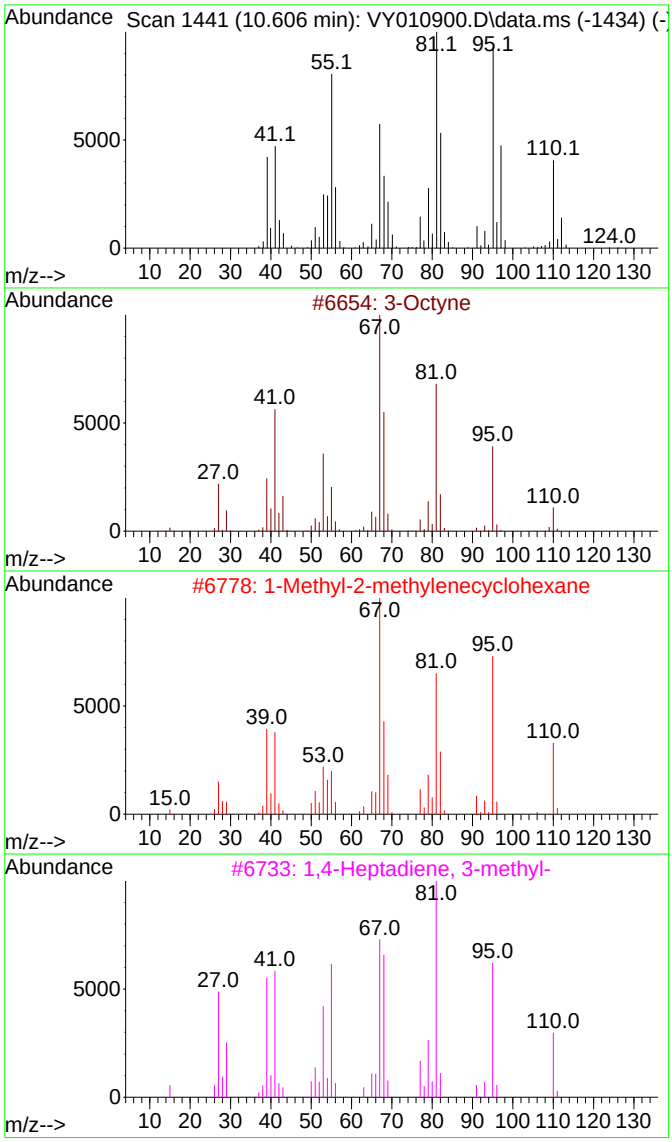
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

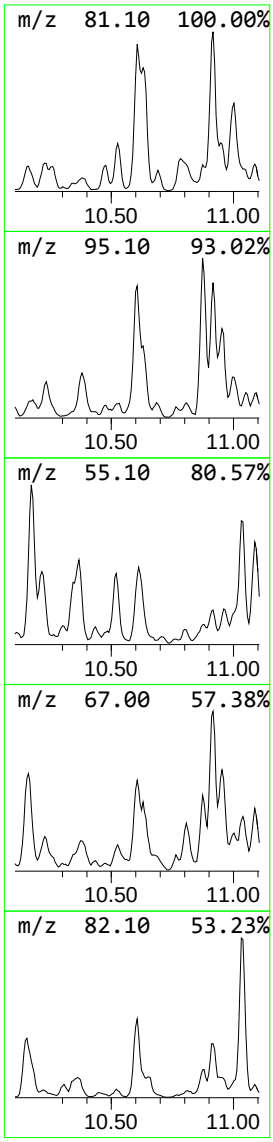
****

Peak Number 3 3-Octyne Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.605	29.49 ug/l	877821	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octyne	110	C8H14	015232-76-5	68
2	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	64
3	1,4-Heptadiene, 3-methyl-	110	C8H14	001603-01-6	62
4	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	55
5	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

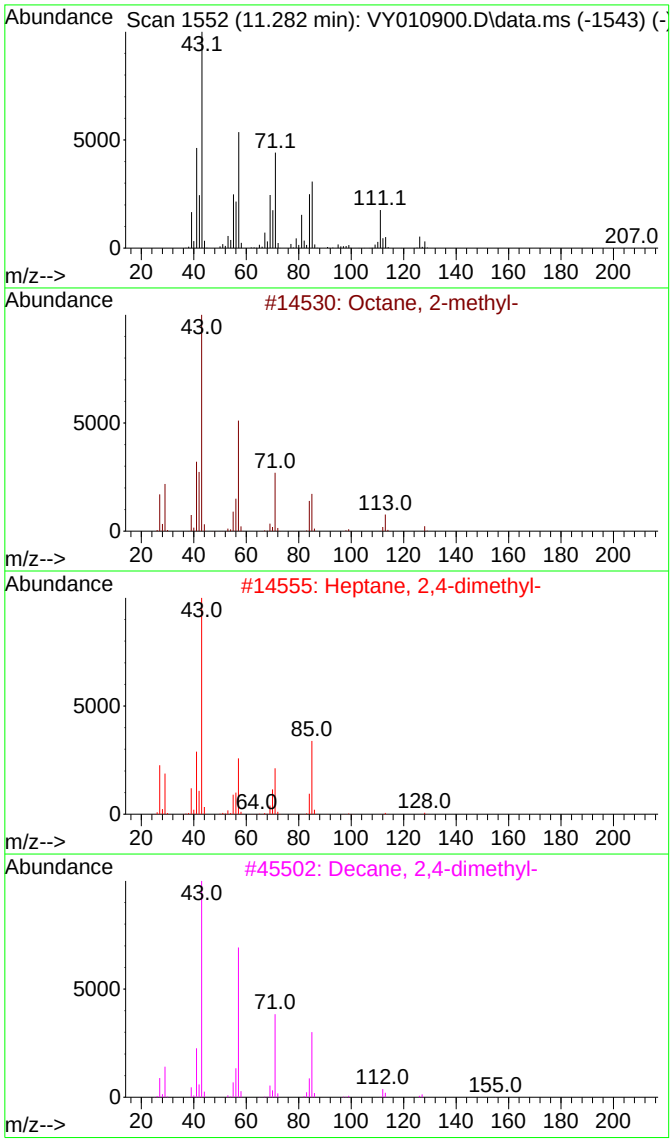
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

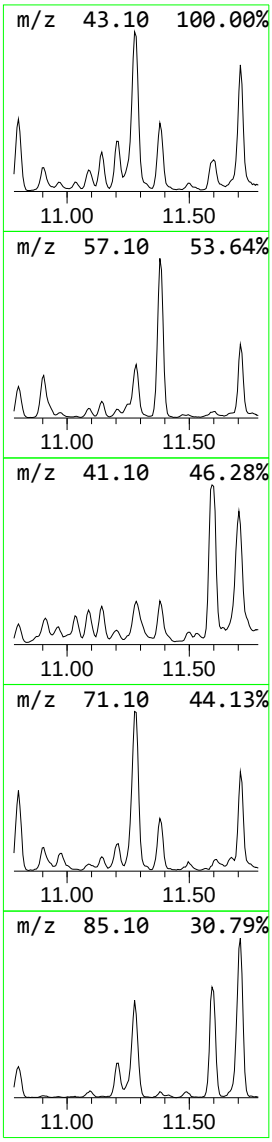
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Octane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	38.63 ug/l	1149950	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	74
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
3	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	43
4	Dodecane, 5-methyl-	184	C13H28	017453-93-9	43
5	Trichloroacetic acid, 4-methylpe...	246	C8H13Cl3O2	1000282-35-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

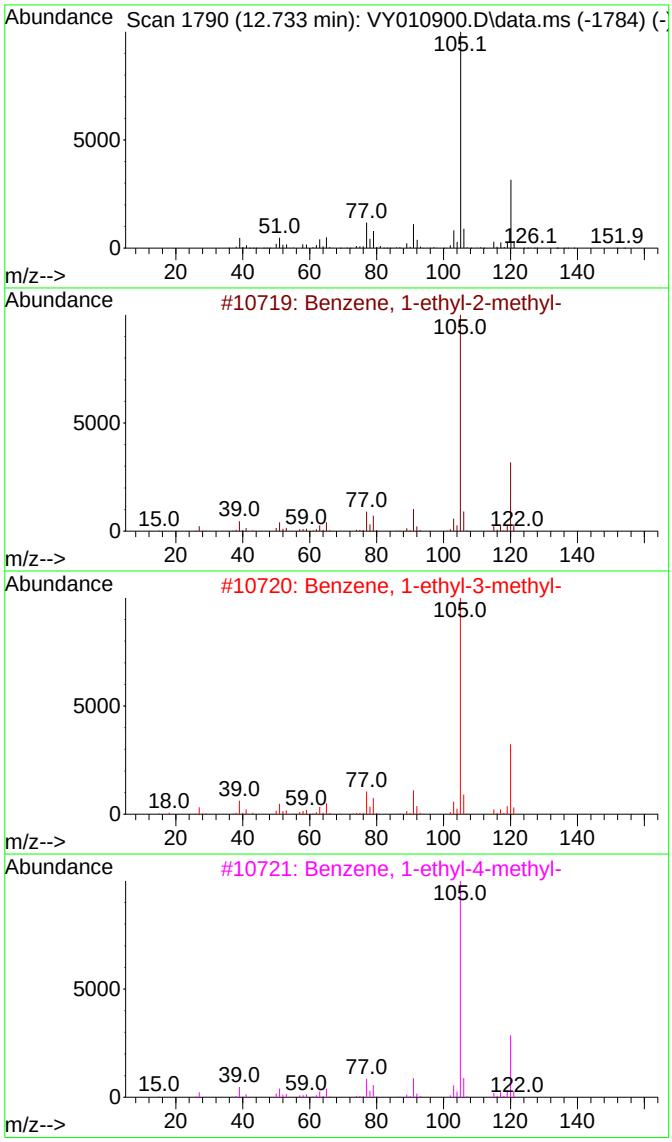
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

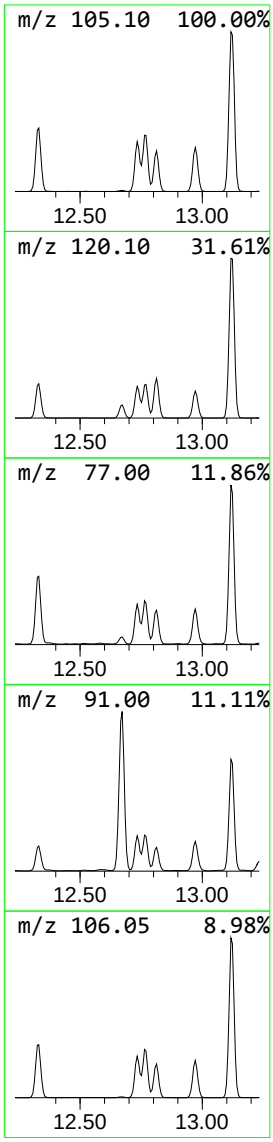
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	27.42 ug/l	7466140	1,4-Dichlorobenzene-d4	13.428

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	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
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Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

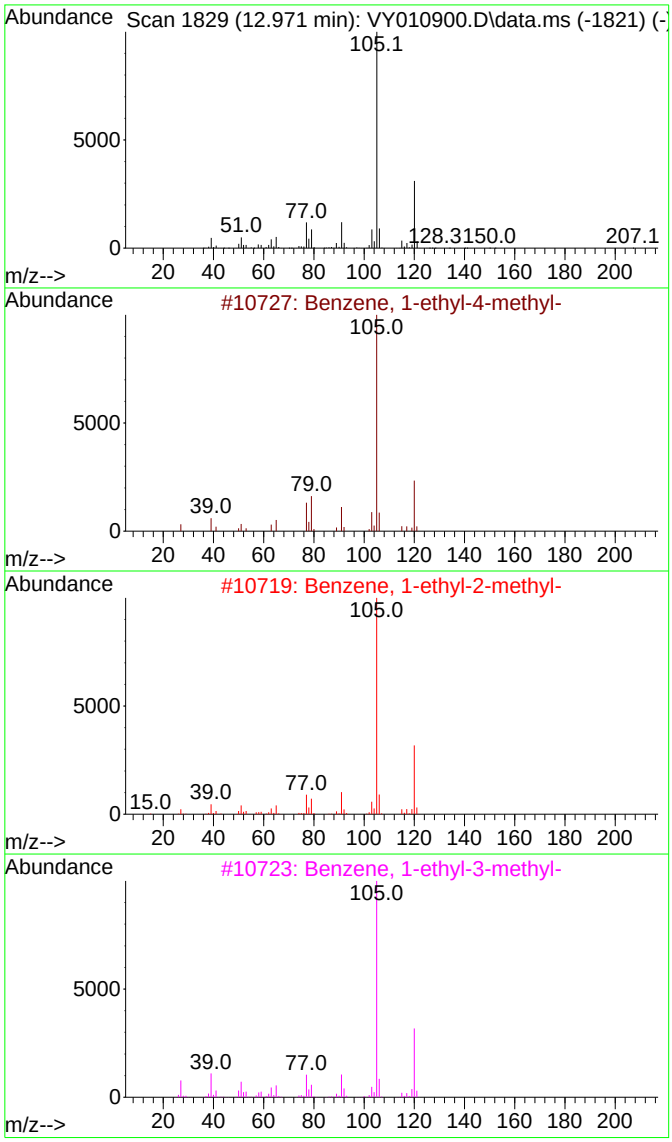
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

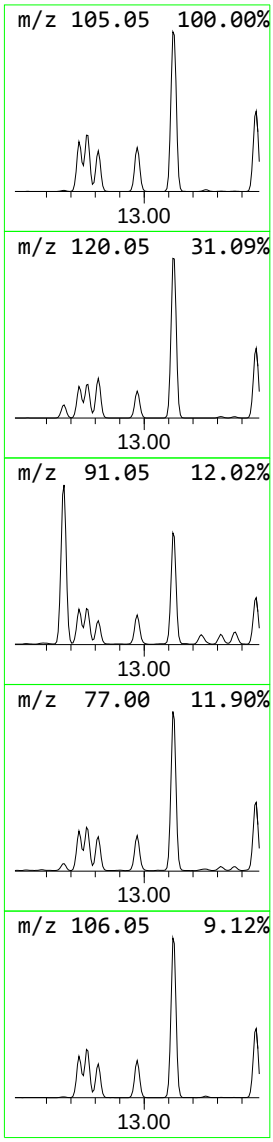
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	24.25 ug/l	6601620	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

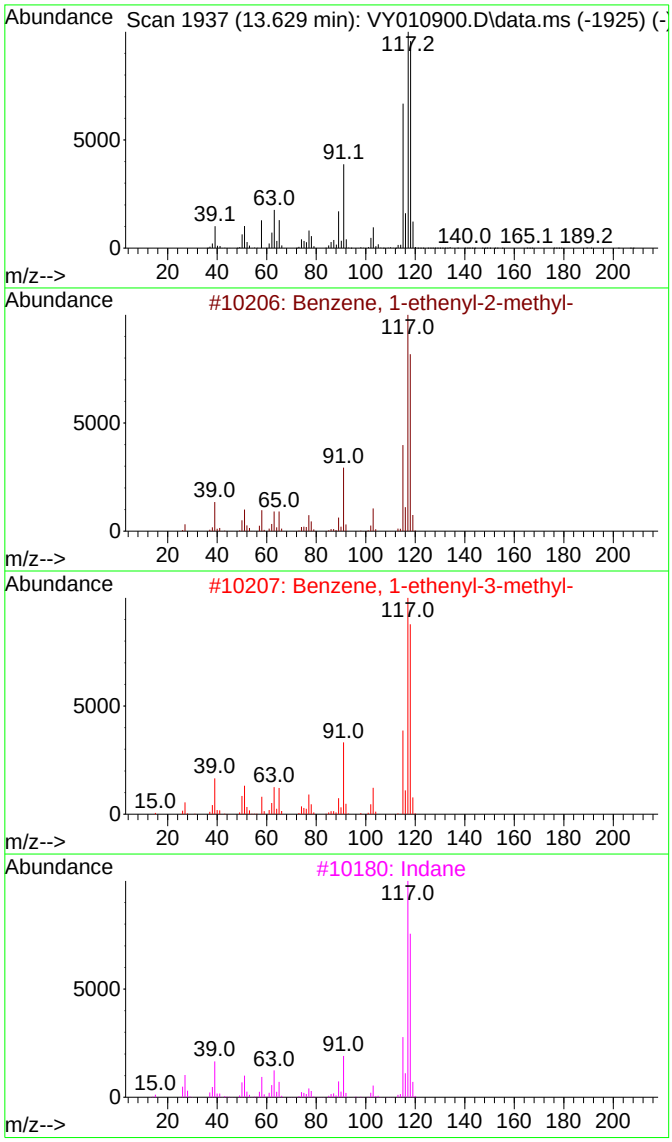
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

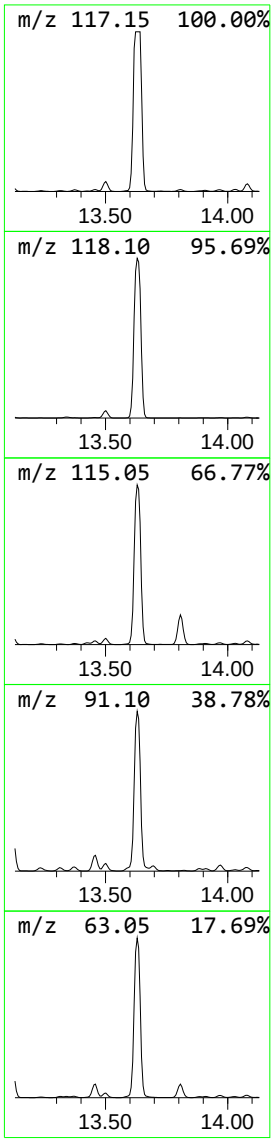
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.629	318.72 ug/l	86776200	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
3	Indane	118	C9H10	000496-11-7	93
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

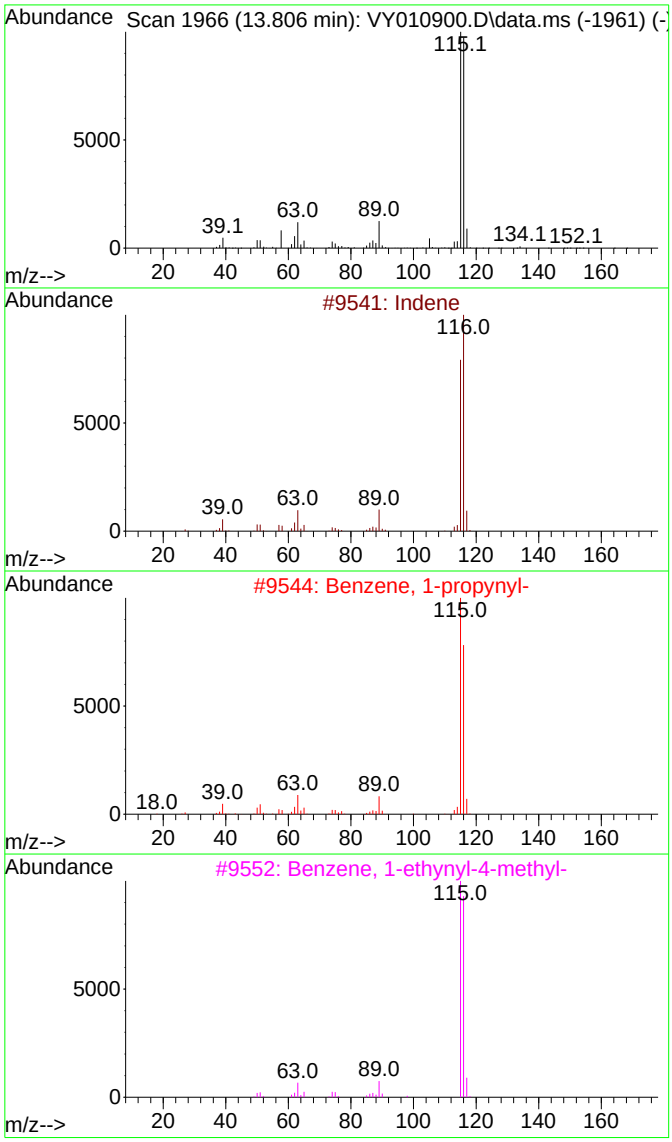
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

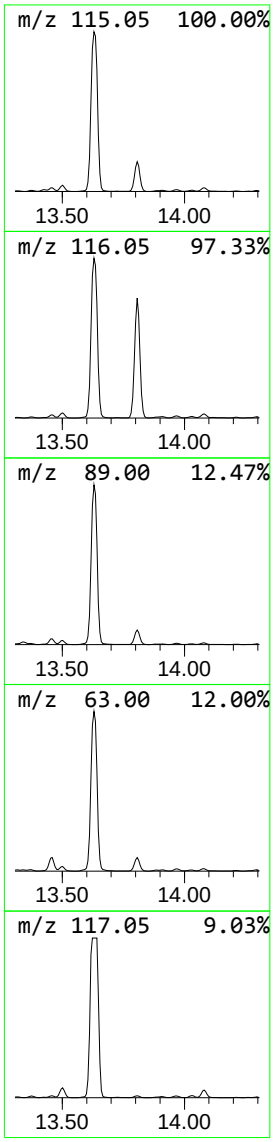
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.806	18.73 ug/l	5098190	1,4-Dichlorobenzene-d4	13.428

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

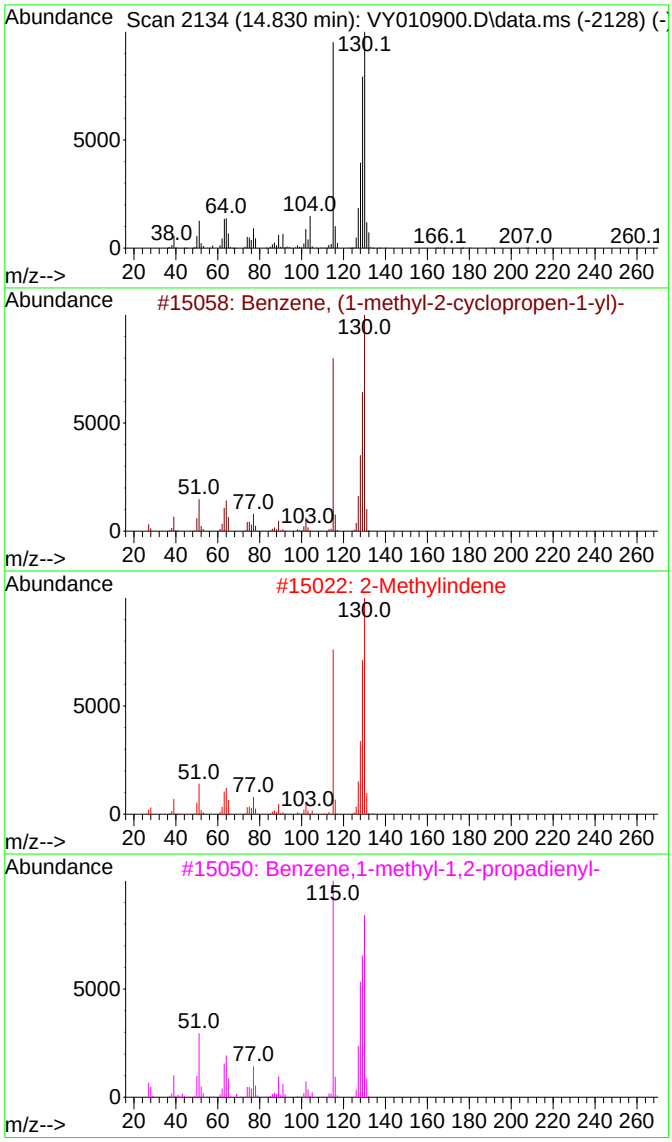
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

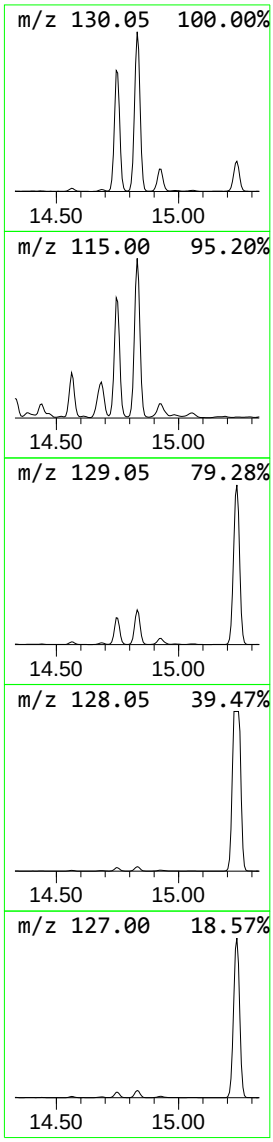
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, (1-methyl-2-cyclop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.830	17.81 ug/l	4848880	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
2	2-Methylindene	130	C10H10	002177-47-1	96
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

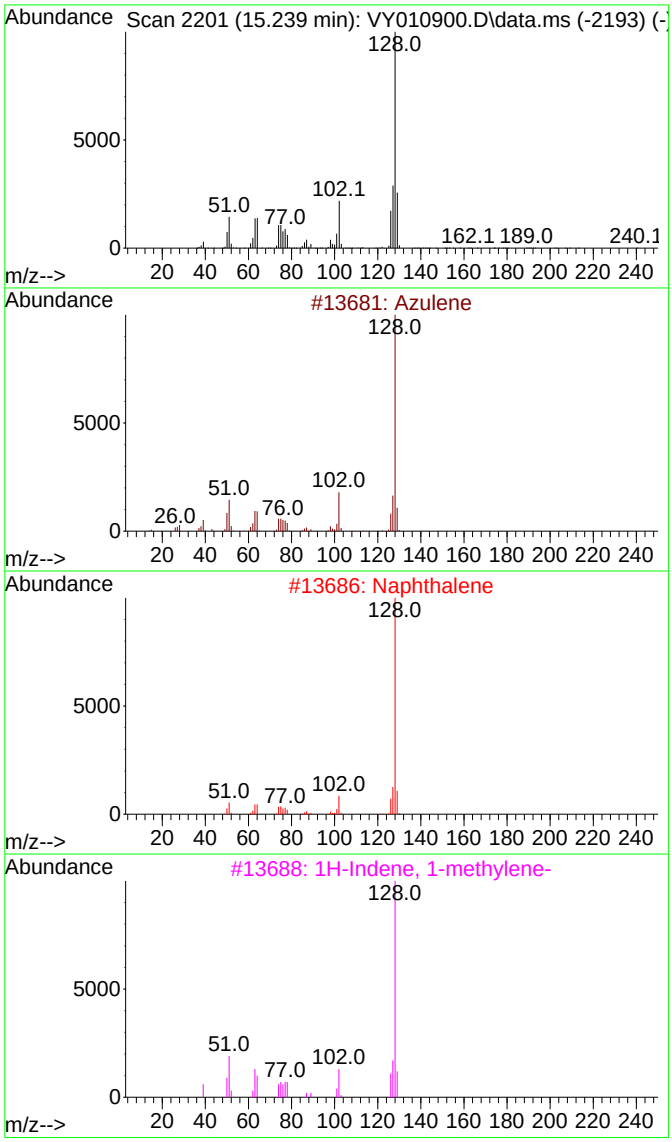
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260

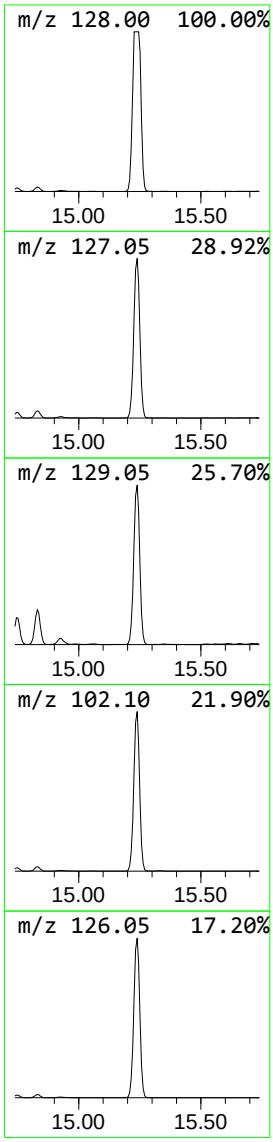
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 1-methylene- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.239	203.38 ug/l	55374100	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	87
2	Naphthalene	128	C10H8	000091-20-3	87
3	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	81
4	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	74
5	[4.2.2]Propella-2,4,7,9-tetraene	128	C10H8	088090-34-0	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
Data File : VY010900.D
Acq On : 10 Oct 2022 18:57
Operator : KP/MD
Sample : N5067-16
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.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
Heptane, 2-methyl-	9.819	36.4	ug/l	999778	2	8.691	1372900	50.0
Octane	10.368	38.4	ug/l	1142500	3	11.490	1488330	50.0
3-Octyne	10.605	29.5	ug/l	877821	3	11.490	1488330	50.0
Octane, 2-methyl-	11.282	38.6	ug/l	1149950	3	11.490	1488330	50.0
Benzene, 1-ethy...	12.733	27.4	ug/l	7466140	4	13.428	13613300	50.0
Benzene, 1-ethy...	12.971	24.3	ug/l	6601620	4	13.428	13613300	50.0
Benzene, 1-ethe...	13.629	318.7	ug/l	86776200	4	13.428	13613300	50.0
Indene	13.806	18.7	ug/l	5098190	4	13.428	13613300	50.0
Benzene, (1-met...	14.830	17.8	ug/l	4848880	4	13.428	13613300	50.0
1H-Indene, 1-me...	15.239	203.4	ug/l	55374100	4	13.428	13613300	50.0