LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
Data File : VY014992.D
Acq On : 08 Aug 2023 17:57
Operator : SY/MD
Sample : 03903-09
Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MW-09

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\82Y080723S.M
Title : SW846 8260

Signal : TIC: VY014992.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.235	59	68	86	rBV	2988600	7093342	2.33%	0.182%
2	2.887	165	175	225	rBV	28211796	304640320	100.00%	7.813%
3	3.247	225	234	288	rVB2	29935730	249659118	81.95%	6.403%
4	3.698	300	308	335	rVB	1685506	9331030	3.06%	0.239%
5	3.960	336	351	439	rVB2	3237832	42568912	13.97%	1.092%
6	4.771	442	484	490	rBV4	35441699	226332031	74.29%	5.805%
7	5.783	639	650	652	rBV3	14918486	56853190	18.66%	1.458%
8	7.777	969	977	984	rBV7	24542512	105024160	34.47%	2.694%
9	9.197	1203	1210	1212	rBV3	24137712	51137126	16.79%	1.311%
10	10.868	1474	1484	1488	rBV5	21104828	76319321	25.05%	1.957%
11	10.929	1489	1494	1500	rBV6	18802020	63354135	20.80%	1.625%
12	11.435	1567	1577	1584	rVB6	27164622	112783803	37.02%	2.893%
13	11.532	1586	1593	1598	rBV2	13944989	38933169	12.78%	0.999%
14	11.642	1598	1611	1617	rBV4	40012148	207179239	68.01%	5.313%
15	11.709	1617	1622	1627	rBV7	37752332	101888939	33.45%	2.613%
16	11.910	1650	1655	1656	rBV3	3281719	5471088	1.80%	0.140%
17	11.953	1657	1662	1667	rVV3	13946547	28144120	9.24%	0.722%
18	12.032	1667	1675	1686	rVB3	22462729	76691197	25.17%	1.967%
19	12.136	1686	1692	1697	rVB	12715585	27176658	8.92%	0.697%
20	12.215	1697	1705	1709	rBV2	11543441	28267572	9.28%	0.725%
21	12.343	1719	1726	1732	rBV2	37276847	91357977	29.99%	2.343%
22	12.471	1743	1747	1753	rVB3	21654477	48402045	15.89%	1.241%
23	12.544	1754	1759	1771	rVB2	13591357	32877701	10.79%	0.843%
24	12.684	1772	1782	1787	rBV3	45411705	148303561	48.68%	3.803%
25	12.745	1787	1792	1794	rBV4	41892022	80696151	26.49%	2.070%
26	12.831	1803	1806	1812	rVB3	60203247	125789000	41.29%	3.226%
27	12.983	1824	1831	1840	rBV2	55096730	134689086	44.21%	3.454%
28	13.129	1849	1855	1857	rBV3	57161197	119879671	39.35%	3.075%
29	13.257	1867	1876	1879	rBV3	14130931	36386005	11.94%	0.933%
30	13.318	1882	1886	1890	rVV	17483680	28361973	9.31%	0.727%
31	13.373	1890	1895	1898	rVV2	7032376	12945043	4.25%	0.332%
32	13.465	1902	1910	1924	rVB3	51204872	129980727	42.67%	3.334%
33	13.593	1925	1931	1933	rBV	29821524	45183540	14.83%	1.159%
34	13.629	1933	1937	1940	rVV2	57789512	120333238	39.50%	3.086%
35	13.672	1940	1944	1953	rVB5	51199300	121809526	39.98%	3.124%
36	13.757	1953	1958	1963	rBV2	12909492	18670923	6.13%	0.479%

LSC Area Percent Report

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Title : SW846 8260

37	13.824	1963	1969	1974	rVV	17910284	28222760	9.26%	0.724%
38	13.885	1974	1979	1982	rVV2	33226131	58601766	19.24%	1.503%
39	13.916	1982	1984	1989	rVV	31989164	43181012	14.17%	1.107%
40	13.977	1989	1994	1999	rVV2	45439900	79412322	26.07%	2.037%
41	14.032	1999	2003	2006	rVV	4755062	7556233	2.48%	0.194%
42	14.080	2006	2011	2016	rVV2	23799385	37439254	12.29%	0.960%
43	14.147	2016	2022	2027	rVB5	2671667	6334840	2.08%	0.162%
44	14.215	2027	2033	2038	rBV	14546392	23171920	7.61%	0.594%
45	14.294	2038	2046	2050	rVV	30723178	59962929	19.68%	1.538%
46	14.336	2050	2053	2057	rVV	39026582	59282037	19.46%	1.520%
47	14.379	2057	2060	2064	rVV2	17257814	25490438	8.37%	0.654%
48	14.422	2064	2067	2073	rVV	8809003	13128916	4.31%	0.337%
49	14.477	2073	2076	2079	rVV	2382518	3559189	1.17%	0.091%
50	14.519	2079	2083	2086	rVV	9705853	13176537	4.33%	0.338%
51	14.562	2086	2090	2095	rVV	24765781	43536755	14.29%	1.117%
52	14.611	2095	2098	2102	rVB2	14139433	19145296	6.28%	0.491%
53	14.684	2102	2110	2115	rBV3	35091129	81776971	26.84%	2.097%
54	14.739	2115	2119	2125	rVB2	9185882	15548242	5.10%	0.399%
55	14.830	2130	2134	2138	rBV	4107961	5753091	1.89%	0.148%
56	14.946	2147	2153	2156	rBV2	9830296	16523434	5.42%	0.424%
57	15.050	2164	2170	2180	rVB2	7634600	16609096	5.45%	0.426%
58	15.239	2189	2201	2207	rBV2	34348367	67409769	22.13%	1.729%
59	15.342	2212	2218	2222	rVV2	3906524	6862710	2.25%	0.176%
60	15.391	2222	2226	2229	rVV	1917829	3167714	1.04%	0.081%
61	15.434	2229	2233	2241	rVB3	2395210	4349981	1.43%	0.112%
62	15.525	2241	2248	2255	rBV	3629357	7203937	2.36%	0.185%
63	15.690	2265	2275	2284	rBV3	1858285	6351388	2.08%	0.163%
64	16.287	2366	2373	2381	rVB	11304637	21682111	7.12%	0.556%
65	16.482	2398	2405	2419	rVB	4756746	10180842	3.34%	0.261%

Sum of corrected areas: 3899136127

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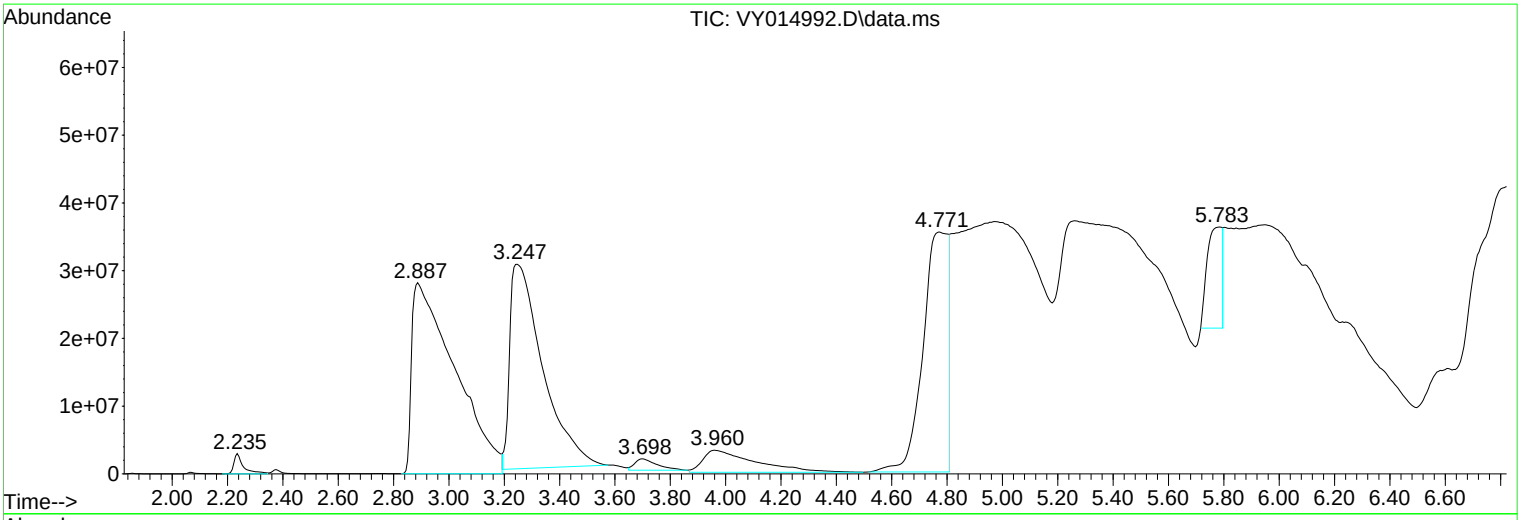
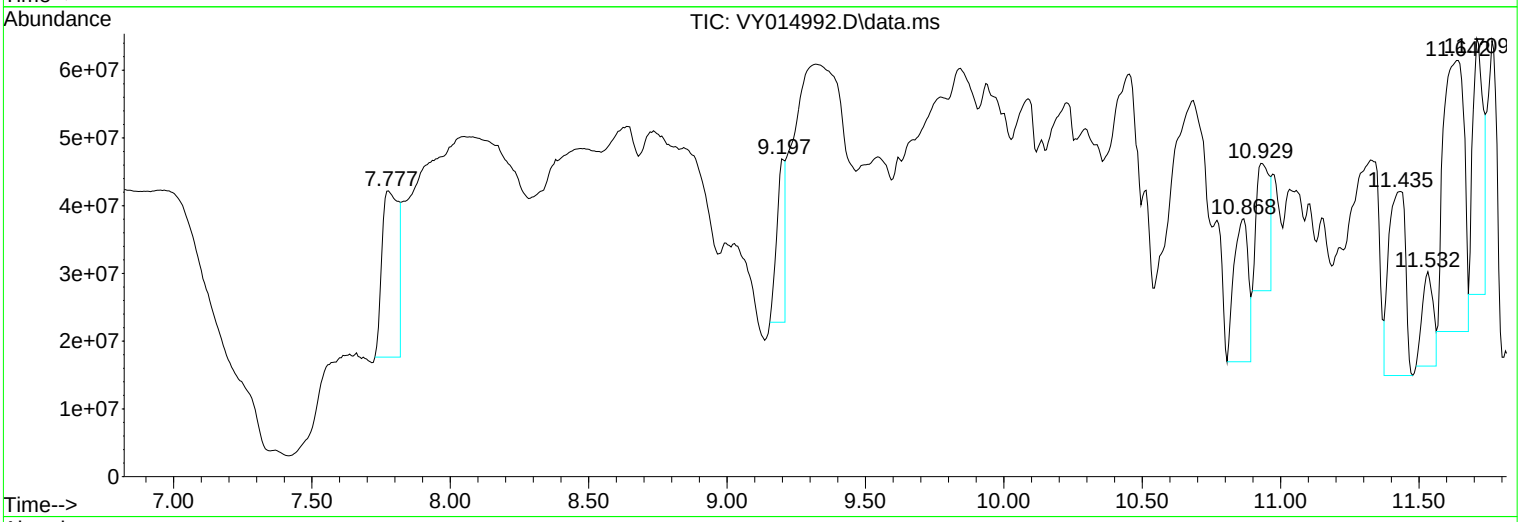
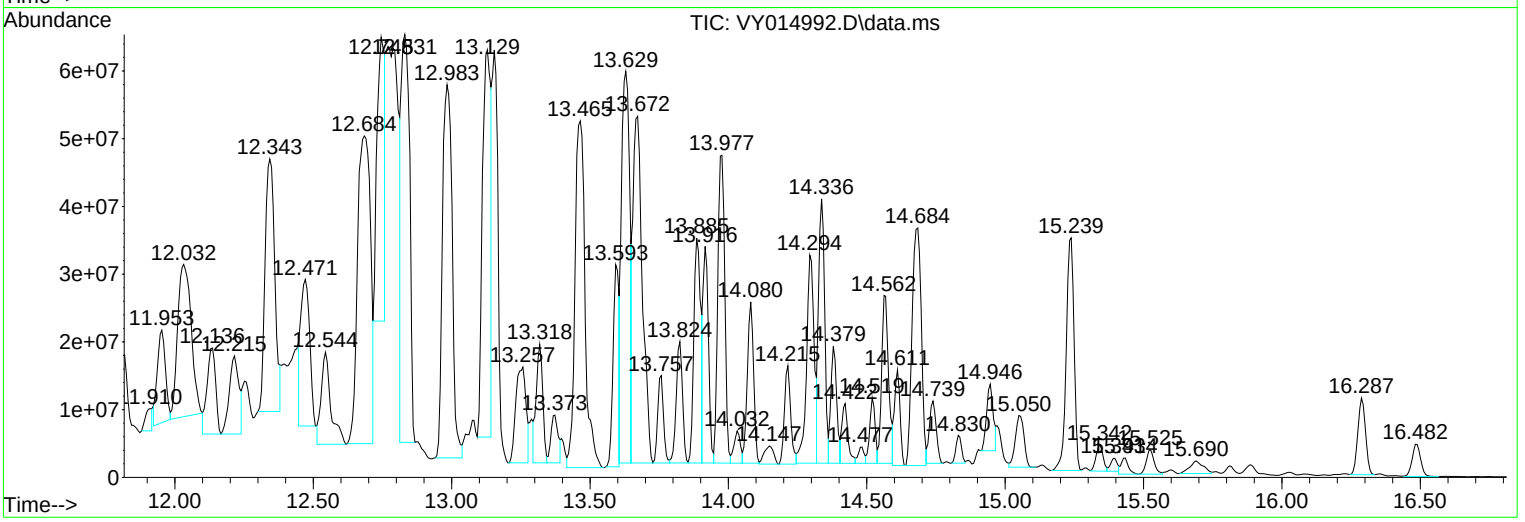
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260

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







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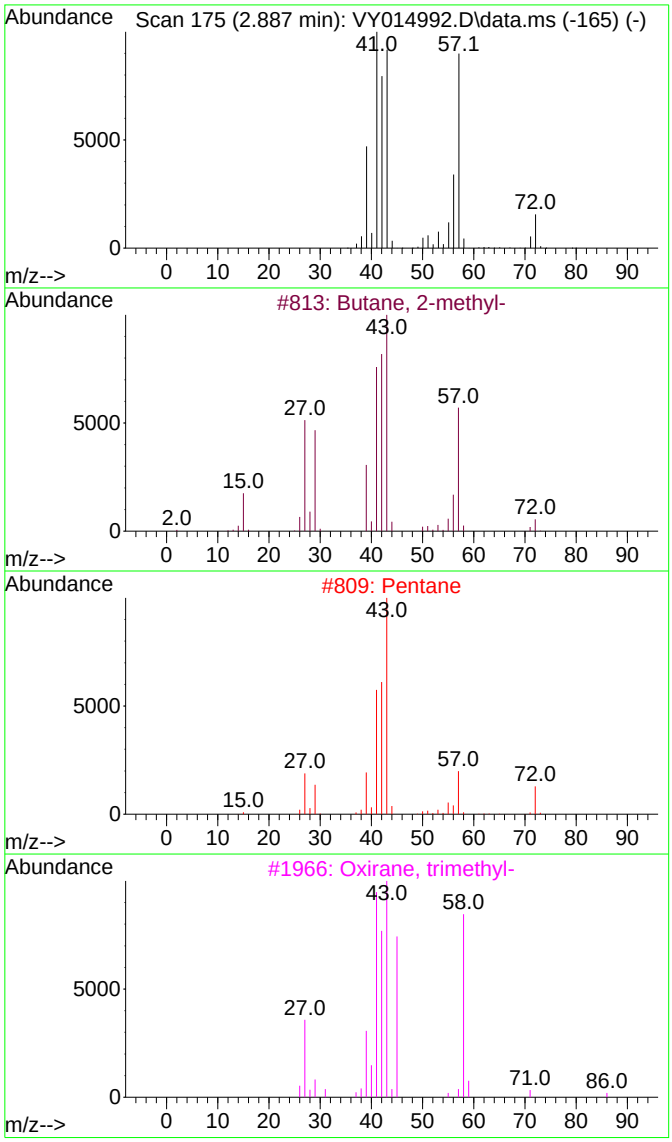
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

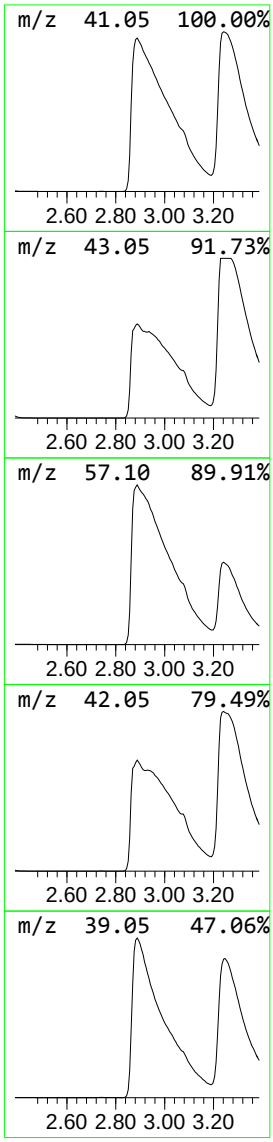
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.887	145.03 ug/l	304640000	Pentafluorobenzene	7.856

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	59
2	Pentane	72	C5H12	000109-66-0	43
3	Oxirane, trimethyl-	86	C5H10O	005076-19-7	37
4	3-Buten-1-ol	72	C4H8O	000627-27-0	33
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	32





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Instrument :
MSVOA_Y
ClientSampleId :
MW-09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260

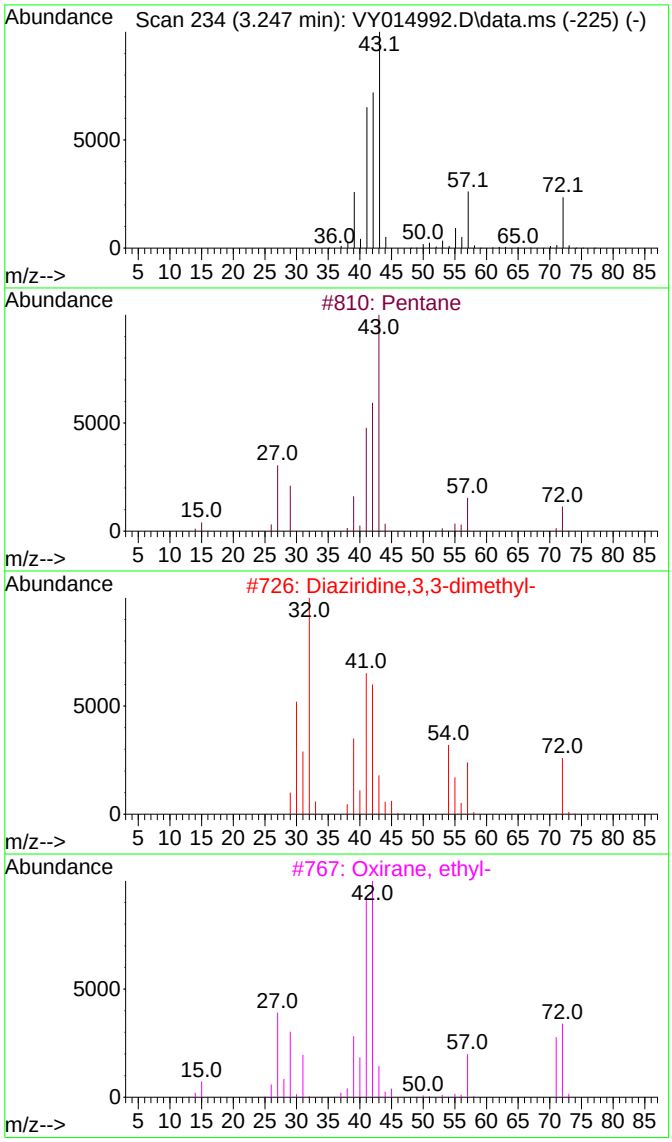
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

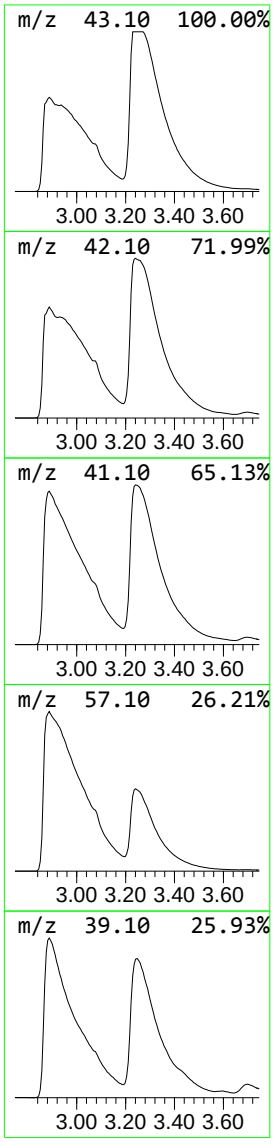
****

Peak Number 2 Pentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.247	118.86 ug/l	249659000	Pentafluorobenzene	7.856

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	59
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	53
4	2-Butanone	72	C4H8O	000078-93-3	38
5	Tetrahydrofuran	72	C4H8O	000109-99-9	38





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ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MW-09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260

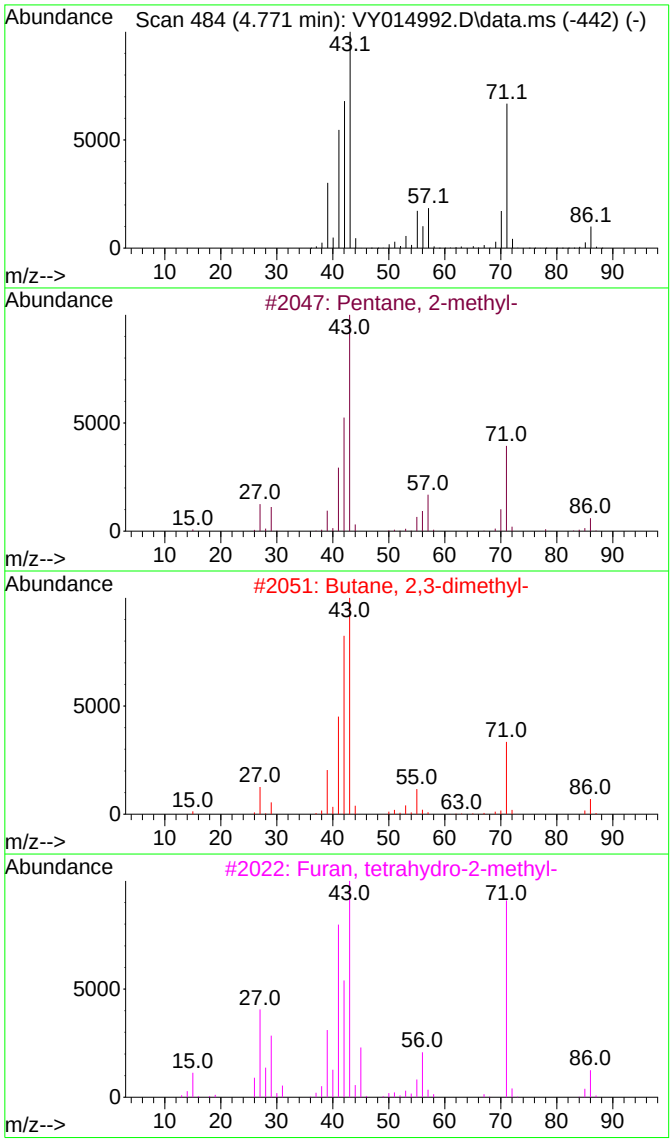
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

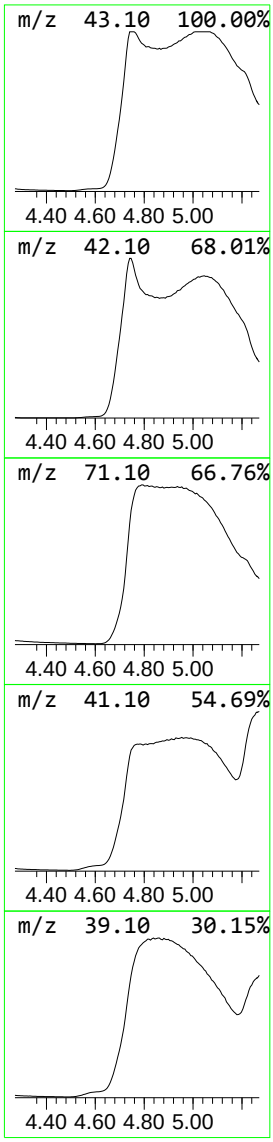
****

Peak Number 3 Pentane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.771	107.75 ug/l	226332000	Pentafluorobenzene	7.856

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	50
4	N-Vinylformamide	71	C3H5NO	013162-05-5	47
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	45





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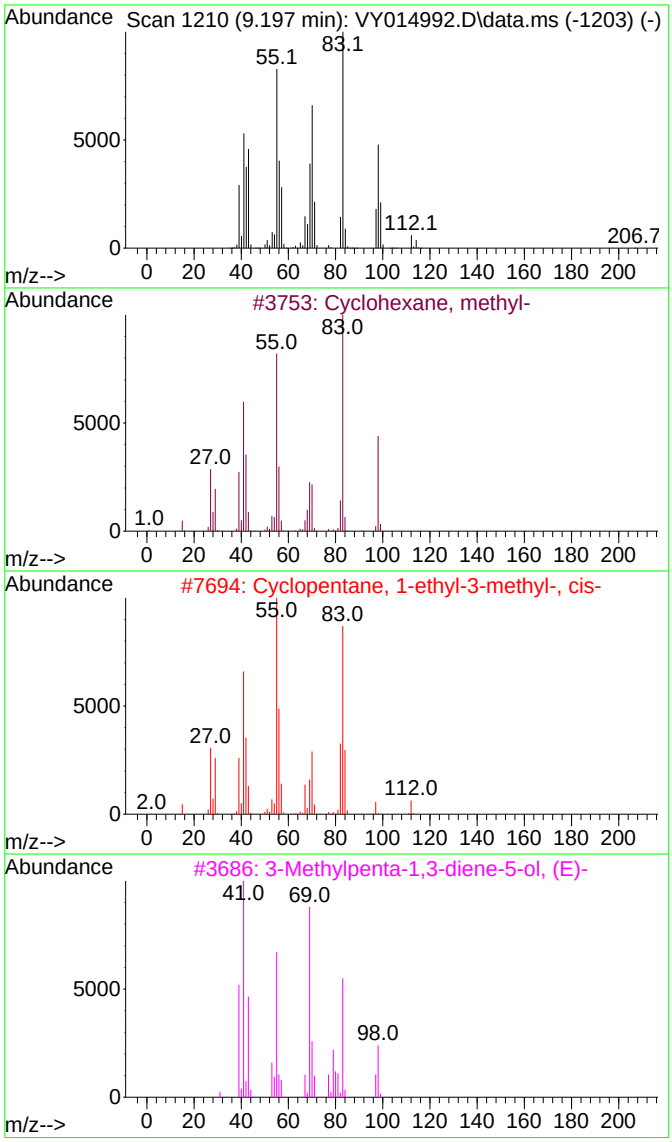
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260

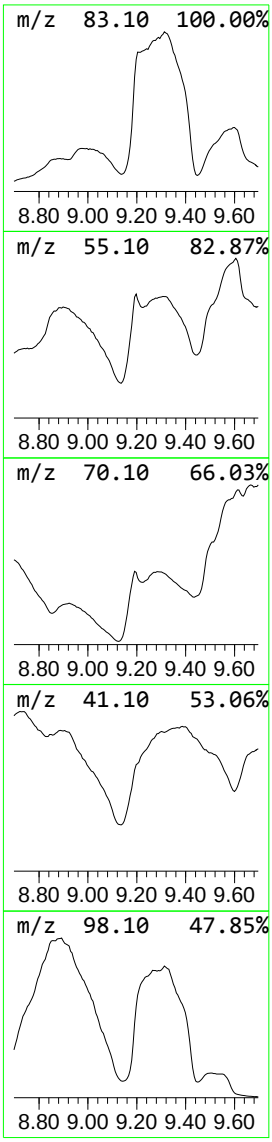
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopentane, 1-ethyl-3-met... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.197	50.00 ug/l	51137100	1,4-Difluorobenzene	8.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	68
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	52
3	3-Methylpenta-1,3-diene-5-ol, (E)-	98	C6H10O	001572-08-3	50
4	1H-Pyrazole, 4,5-dihydro-1,5-dim...	98	C5H10N2	005775-96-2	47
5	4,4-Dimethyl-2-imidazoline	98	C5H10N2	002305-59-1	46





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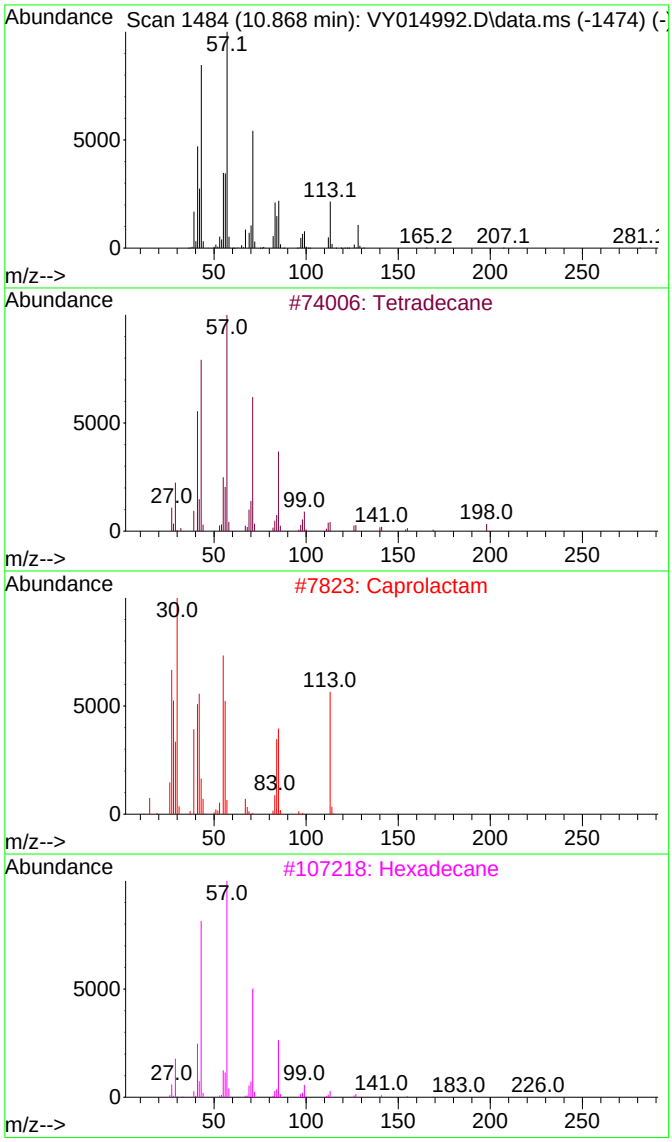
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260

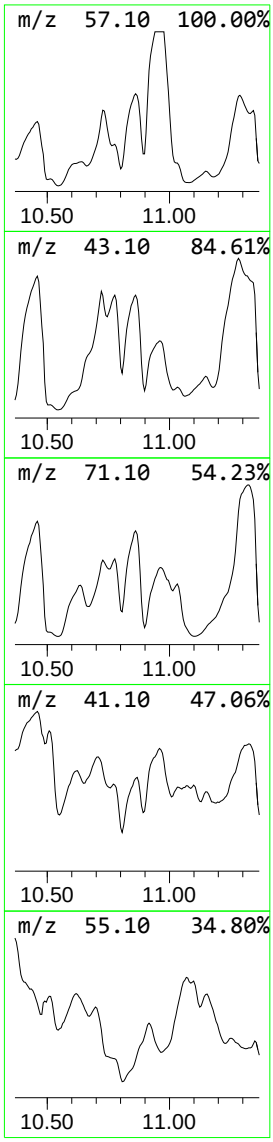
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown10.868 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.868	98.01 ug/l	76319300	Chlorobenzene-d5	11.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	43
2	Caprolactam	113	C6H11NO	000105-60-2	43
3	Hexadecane	226	C16H34	000544-76-3	43
4	Octane, 2-methyl-	128	C9H20	003221-61-2	43
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	38





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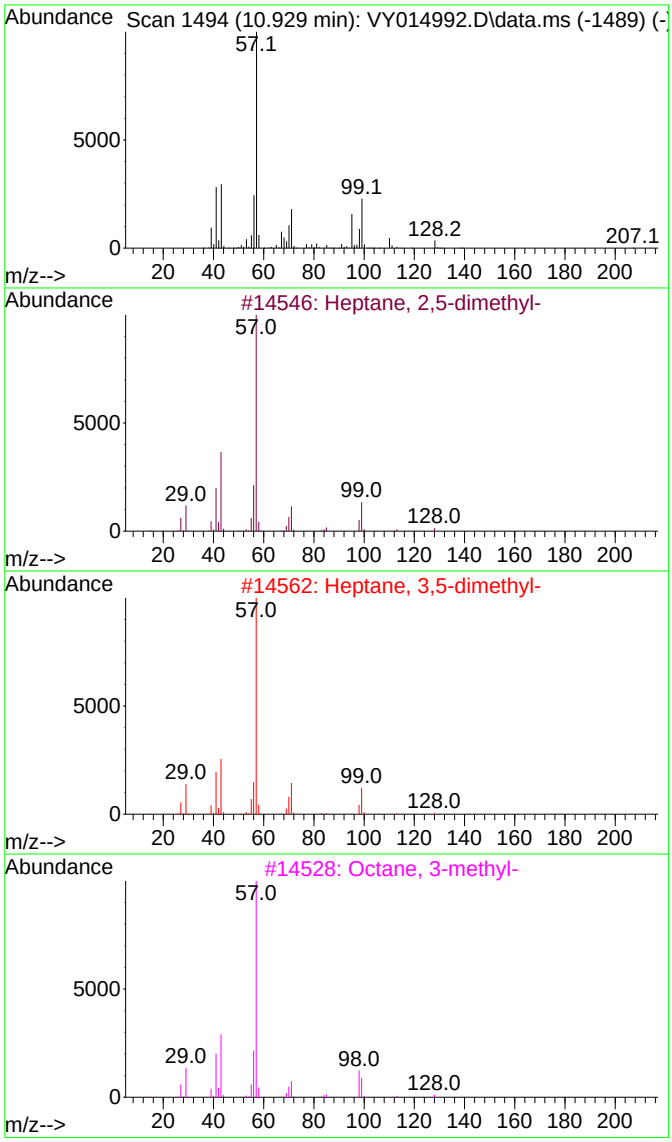
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260

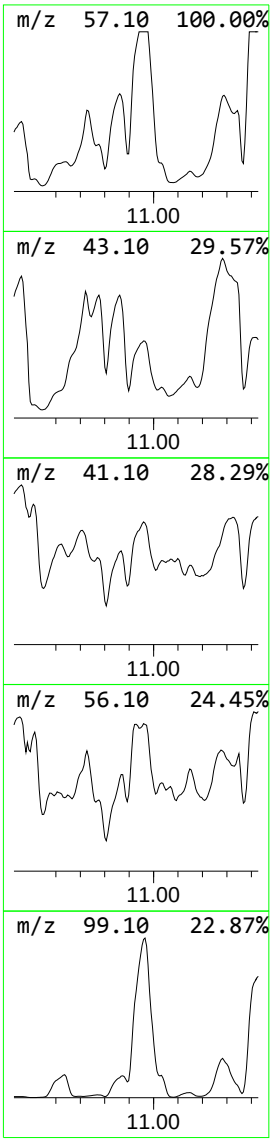
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptane, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.929	81.36 ug/l	63354100	Chlorobenzene-d5	11.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
3	Octane, 3-methyl-	128	C9H20	002216-33-3	50
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	43
5	Hexanoic acid, 1,1-dimethylethyl...	172	C10H20O2	002492-18-4	40





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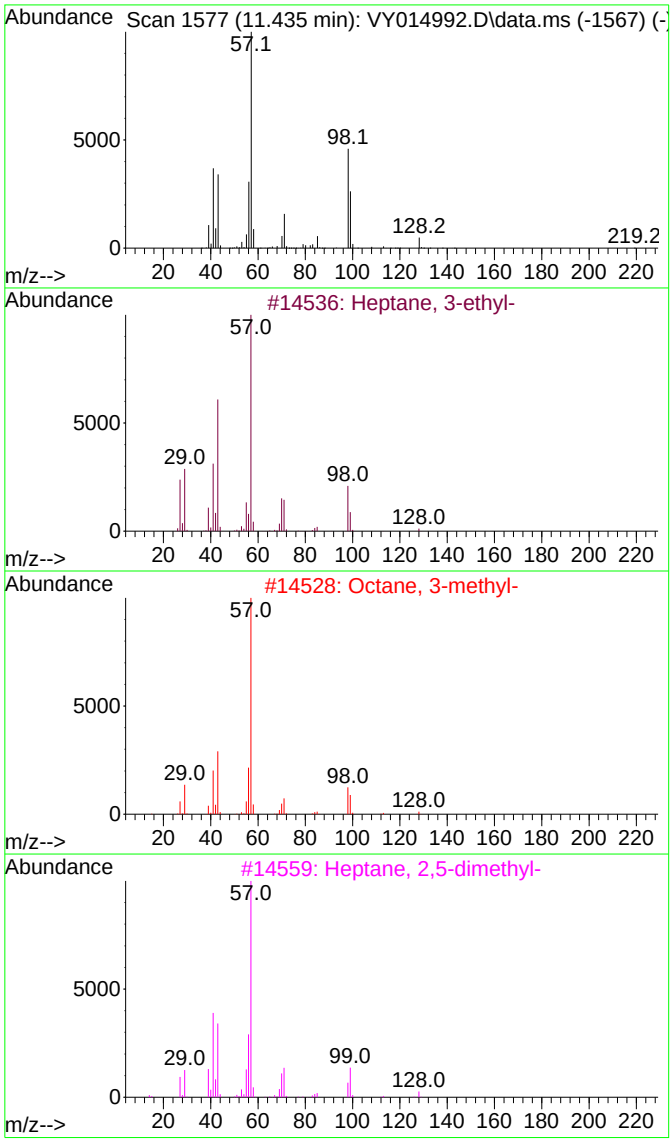
Quant Title : SW846 8260

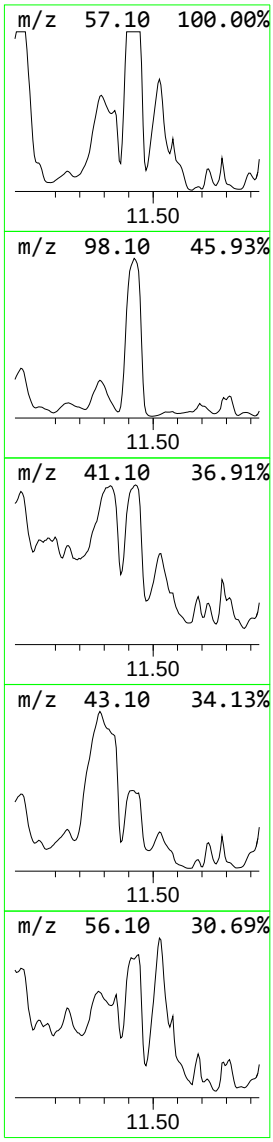
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Heptane, 3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.435	144.84 ug/l	112784000	Chlorobenzene-d5	11.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	59
2	Octane, 3-methyl-	128	C9H20	002216-33-3	47
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	47
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	38
5	Hexanoic acid, 1,1-dimethylethyl...	172	C10H20O2	002492-18-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
Data File : VY014992.D
Acq On : 08 Aug 2023 17:57
Operator : SY/MD
Sample : 03903-09
Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MW-09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260

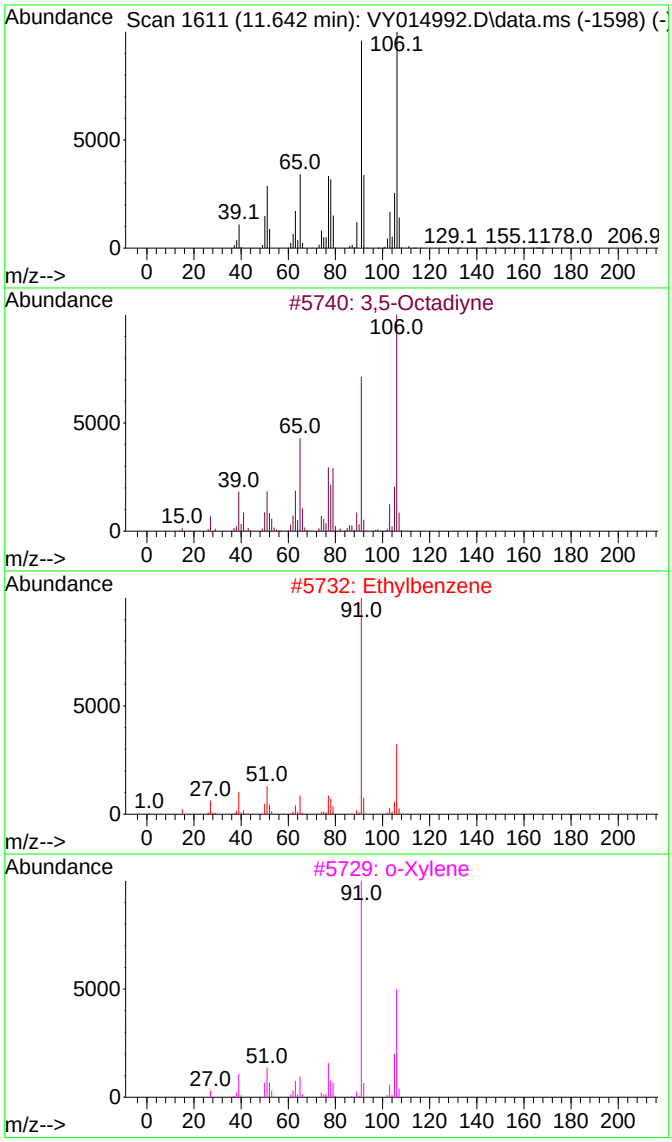
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

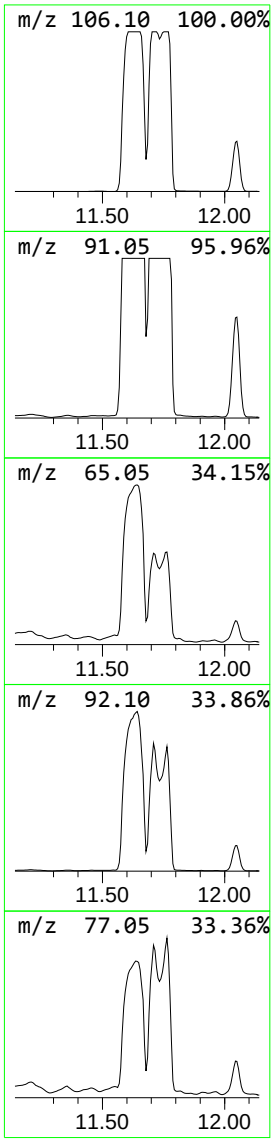
****

Peak Number 8 3,5-Octadiyne Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.642	266.07 ug/l	207179000	Chlorobenzene-d5	11.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Octadiyne	106	C8H10	016387-70-5	90
2	Ethylbenzene	106	C8H10	000100-41-4	90
3	o-Xylene	106	C8H10	000095-47-6	58
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	53
5	p-Xylene	106	C8H10	000106-42-3	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
Data File : VY014992.D
Acq On : 08 Aug 2023 17:57
Operator : SY/MD
Sample : 03903-09
Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MW-09

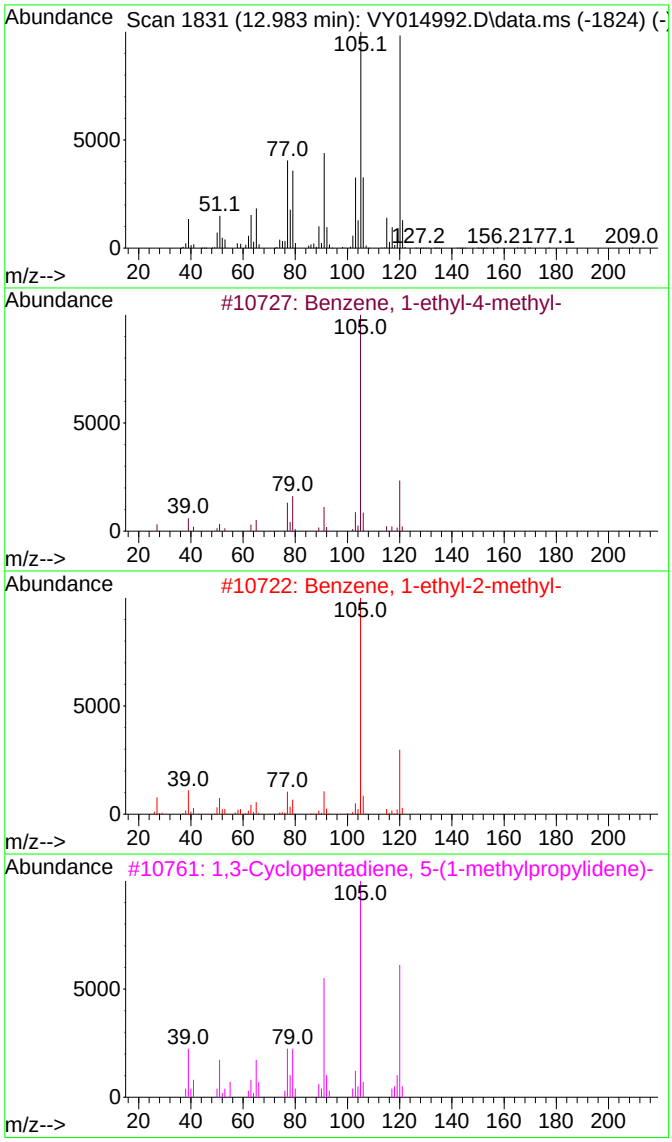
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260

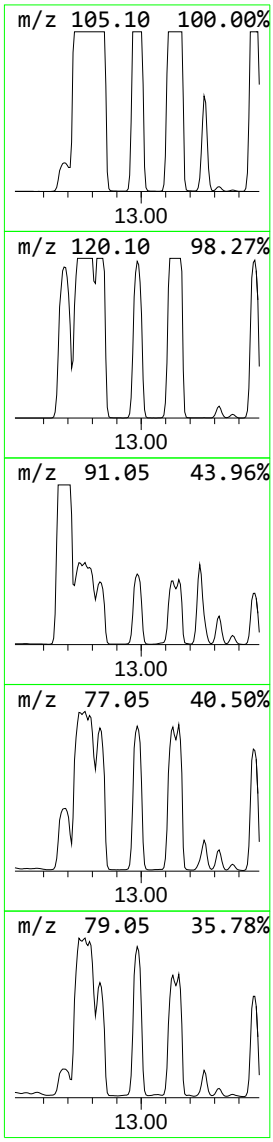
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.983	51.81 ug/l	134689000	1,4-Dichlorobenzene-d4	13.434

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	1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	74
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
Data File : VY014992.D
Acq On : 08 Aug 2023 17:57
Operator : SY/MD
Sample : 03903-09
Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MW-09

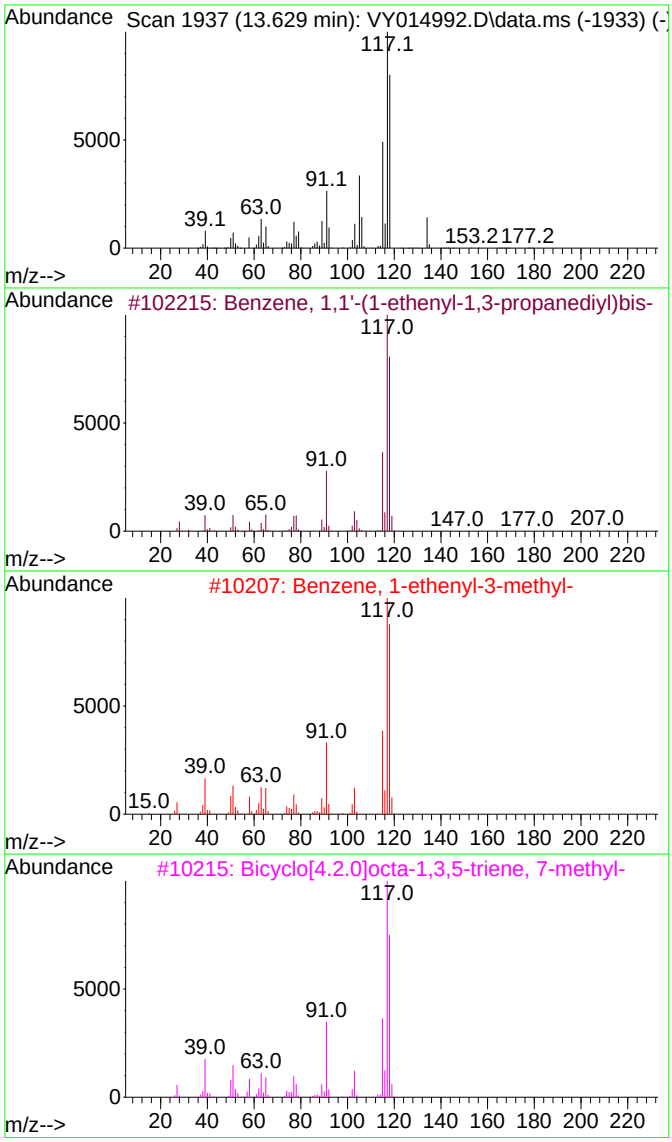
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260

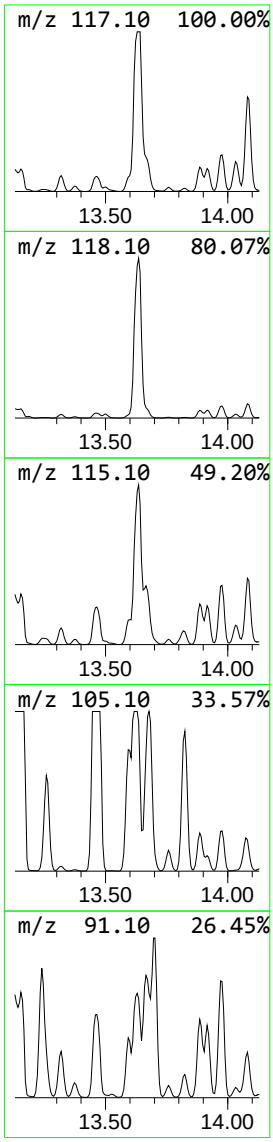
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,1'-(1-ethenyl-1,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.629	46.29 ug/l	120333000	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	72
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	70
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	64
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
Data File : VY014992.D
Acq On : 08 Aug 2023 17:57
Operator : SY/MD
Sample : 03903-09
Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MW-09

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.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
Butane, 2-methyl-	2.887	145.0	ug/l	304640000	1	7.856	105024000	50.0
Pentane	3.247	118.9	ug/l	249659000	1	7.856	105024000	50.0
Pentane, 2-methyl-	4.771	107.8	ug/l	226332000	1	7.856	105024000	50.0
Cyclopentane, 1...	9.197	50.0	ug/l	51137100	2	8.728	51137100	50.0
unknown10.868	10.868	98.0	ug/l	76319300	3	11.538	38933200	50.0
Heptane, 2,5-di...	10.929	81.4	ug/l	63354100	3	11.538	38933200	50.0
Heptane, 3-ethyl-	11.435	144.8	ug/l	112784000	3	11.538	38933200	50.0
3,5-Octadiyne	11.642	266.1	ug/l	207179000	3	11.538	38933200	50.0
Benzene, 1-ethy...	12.983	51.8	ug/l	134689000	4	13.434	129981000	50.0
Benzene, 1,1'-(...	13.629	46.3	ug/l	120333000	4	13.434	129981000	50.0