LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

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_D\Method\82D021324S.M
Title : SW846 8260

Signal : TIC: VD078419.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	20	26	33	rBV	133677	228745	10.85%	0.798%
2	4.805	536	547	558	rVB3	21724	66358	3.15%	0.231%
3	7.810	1046	1058	1063	rBV2	135737	337923	16.03%	1.179%
4	7.875	1063	1069	1080	rVB	214269	486291	23.07%	1.696%
5	8.234	1120	1130	1138	rBV	98729	226653	10.75%	0.791%
6	8.775	1213	1222	1232	rBV	372522	761972	36.15%	2.658%
7	10.269	1469	1476	1483	rBV	641102	1135313	53.86%	3.960%
8	10.669	1537	1544	1548	rBV5	25273	60705	2.88%	0.212%
9	11.581	1692	1699	1706	rBV	663808	1144876	54.31%	3.993%
10	12.569	1862	1867	1875	rVB	582551	1044253	49.54%	3.642%
11	12.734	1880	1895	1919	rVV6	190387	1477845	70.11%	5.155%
12	13.216	1964	1977	1990	rBV2	364321	1576030	74.77%	5.497%
13	13.334	1991	1997	2007	rVB4	99720	282714	13.41%	0.986%
14	13.516	2022	2028	2034	rBV	720498	1133841	53.79%	3.955%
15	13.581	2034	2039	2044	rVB3	169304	246888	11.71%	0.861%
16	13.845	2078	2084	2086	rBV3	149526	265762	12.61%	0.927%
17	14.057	2116	2120	2125	rVB	121152	190727	9.05%	0.665%
18	14.169	2134	2139	2143	rBV5	82800	157197	7.46%	0.548%
19	14.228	2144	2149	2155	rVB6	115002	235793	11.19%	0.822%
20	14.286	2156	2159	2162	rBV4	42547	67814	3.22%	0.237%
21	14.351	2165	2170	2172	rBV3	192383	319906	15.18%	1.116%
22	14.381	2173	2175	2183	rVB2	258829	393471	18.67%	1.372%
23	14.469	2185	2190	2192	rBV3	87761	143957	6.83%	0.502%
24	14.510	2193	2197	2202	rVV3	108758	176574	8.38%	0.616%
25	14.669	2221	2224	2226	rBV3	39494	54356	2.58%	0.190%
26	14.704	2226	2230	2235	rVV3	124483	196129	9.30%	0.684%
27	14.775	2235	2242	2246	rVV3	484341	1003644	47.61%	3.501%
28	14.822	2246	2250	2256	rVB3	364461	630429	29.91%	2.199%
29	14.975	2272	2276	2280	rBV5	114397	238898	11.33%	0.833%
30	15.034	2281	2286	2290	rVV2	483511	816509	38.73%	2.848%
31	15.075	2290	2293	2299	rVV2	368059	758510	35.98%	2.646%
32	15.145	2299	2305	2314	rVB3	648023	1402694	66.54%	4.892%
33	15.304	2326	2332	2339	rBV2	692050	1218349	57.80%	4.249%
34	15.381	2339	2345	2348	rBV6	176310	344110	16.32%	1.200%
35	15.433	2350	2354	2359	rVV3	323366	627604	29.77%	2.189%
36	15.492	2359	2364	2369	rVB4	296229	532133	25.24%	1.856%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

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_D\Method\82D021324S.M
Title : SW846 8260

37	15.628	2379	2387	2394	rBV2	499953	1344440	63.78%	4.689%
38	15.698	2396	2399	2404	rVV2	284336	471958	22.39%	1.646%
39	15.786	2406	2414	2424	rVV5	433262	1465350	69.52%	5.111%
40	15.916	2433	2436	2441	rVB2	331988	502026	23.82%	1.751%
41	15.986	2442	2448	2454	rBV3	383051	919565	43.62%	3.207%
42	16.133	2467	2473	2478	rBV4	389166	877738	41.64%	3.061%
43	16.257	2489	2494	2499	rBV	576044	996778	47.29%	3.477%
44	16.592	2544	2551	2565	rVB6	643143	2107941	100.00%	7.352%

Sum of corrected areas: 28670769

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
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Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
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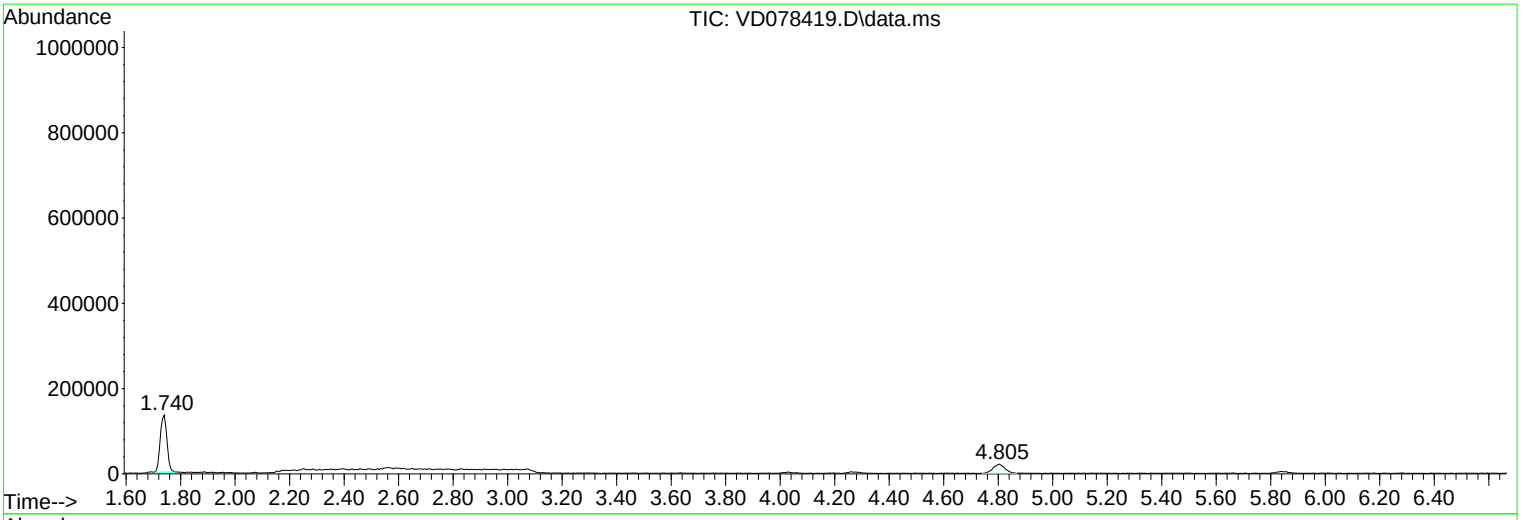
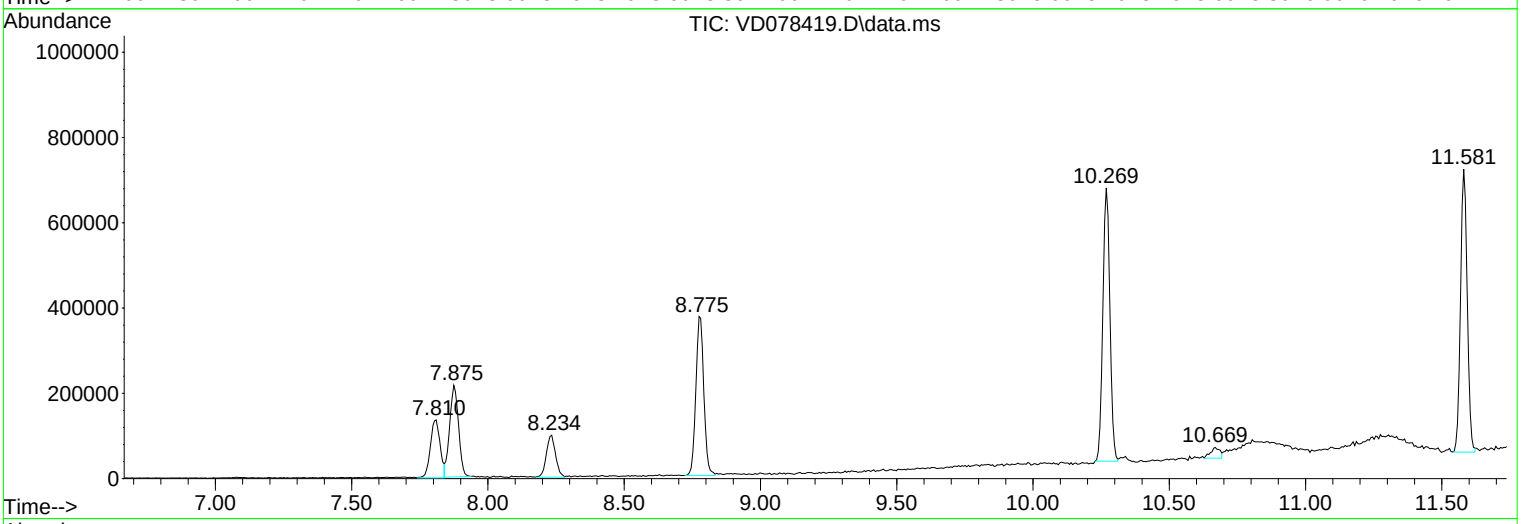
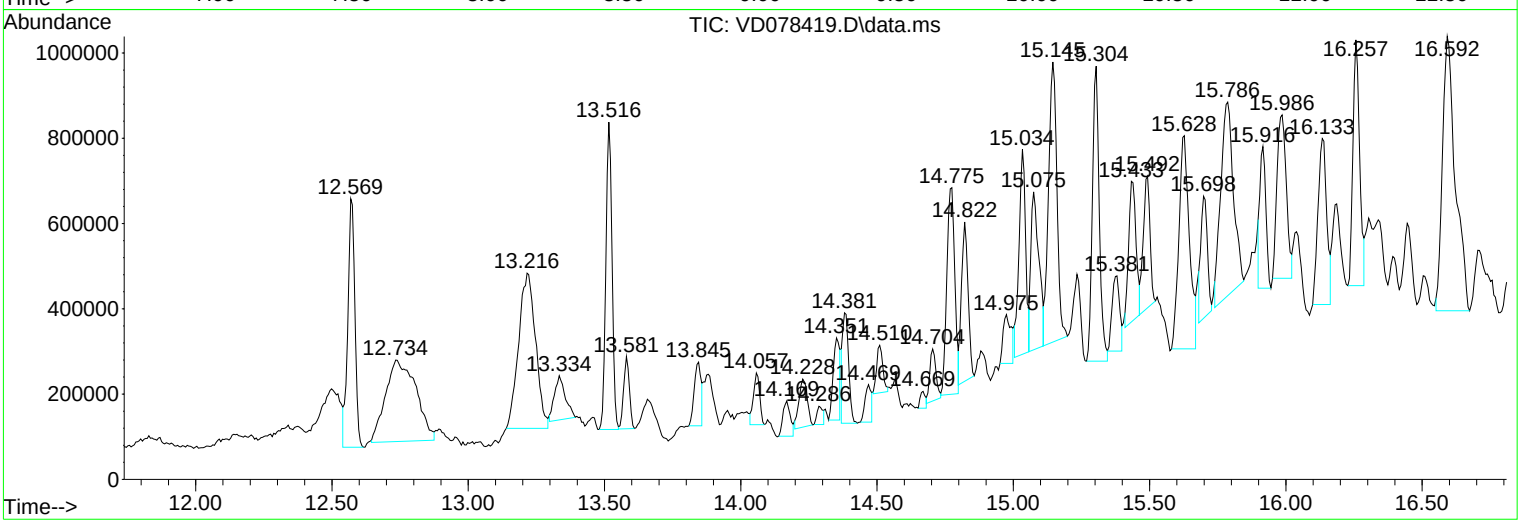
Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

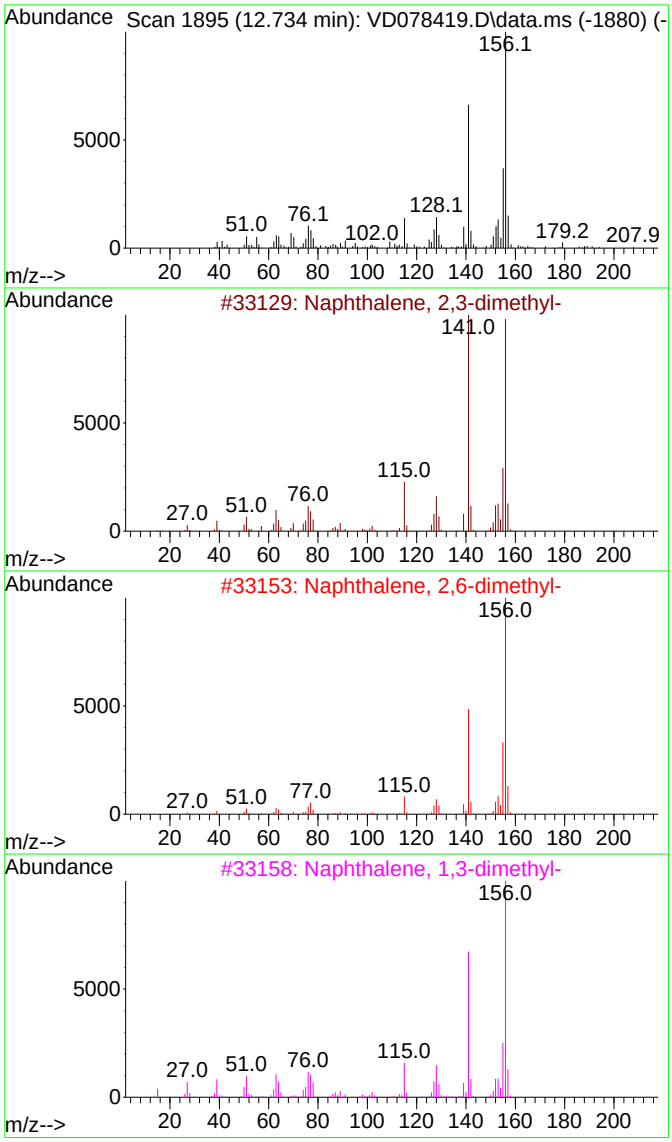
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

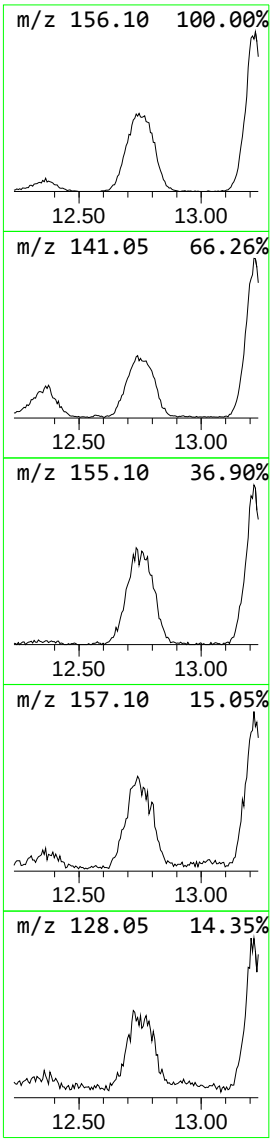
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.734	65.17 ug/l	1477850	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

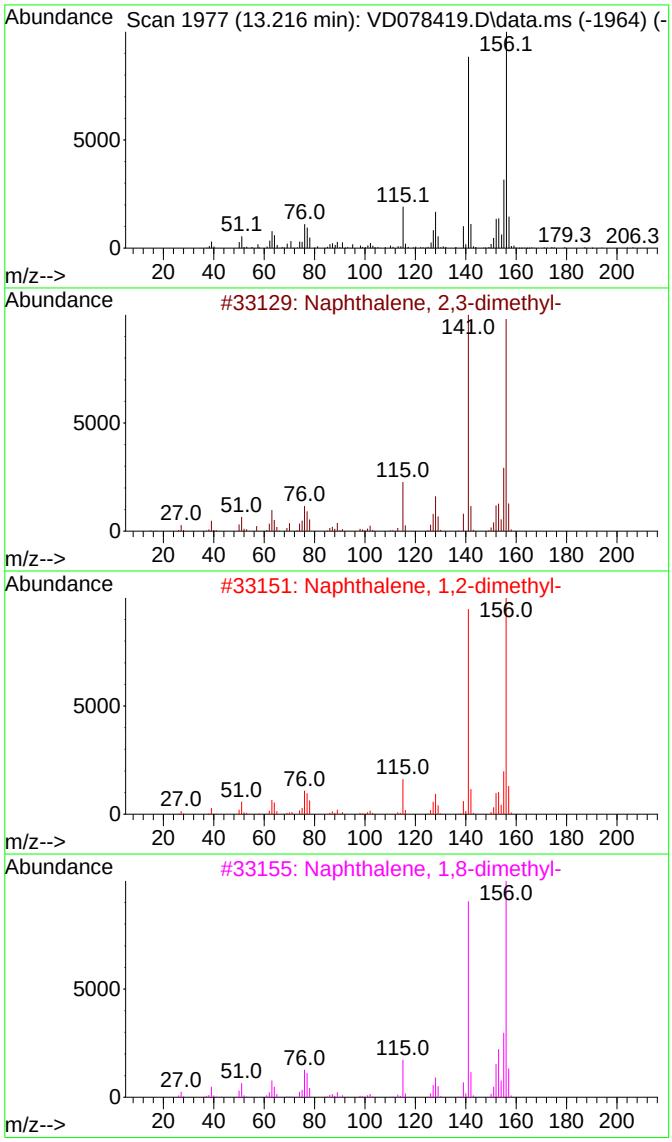
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

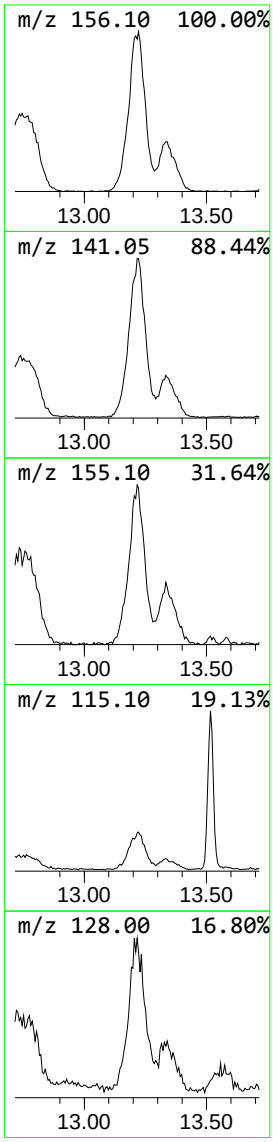
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.216	69.50 ug/l	1576030	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

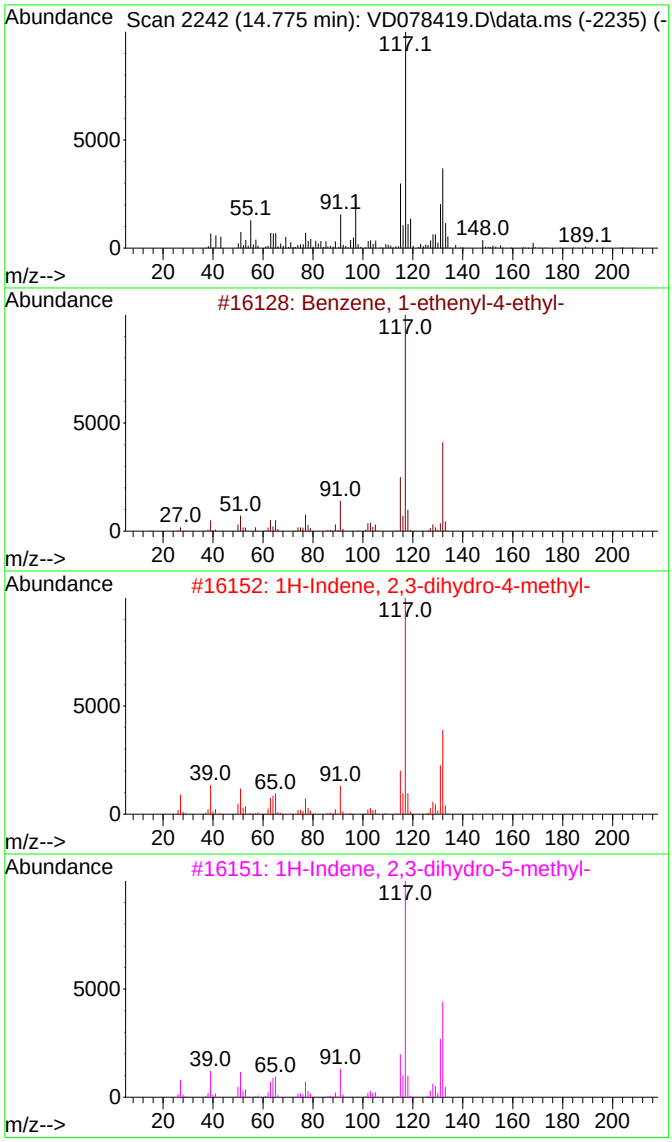
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

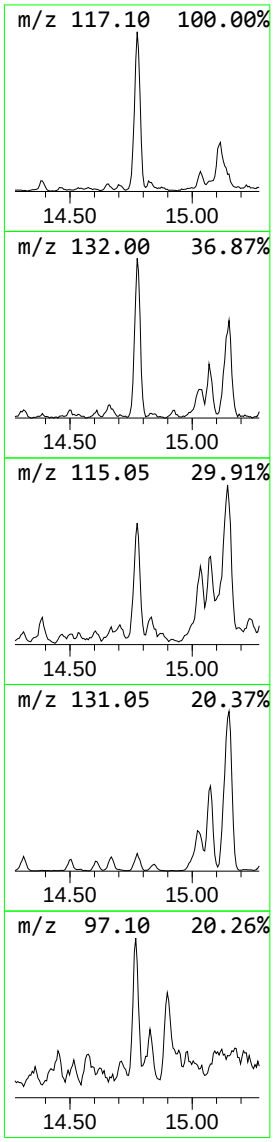
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.775	44.26 ug/l	1003640	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	92
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	72
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

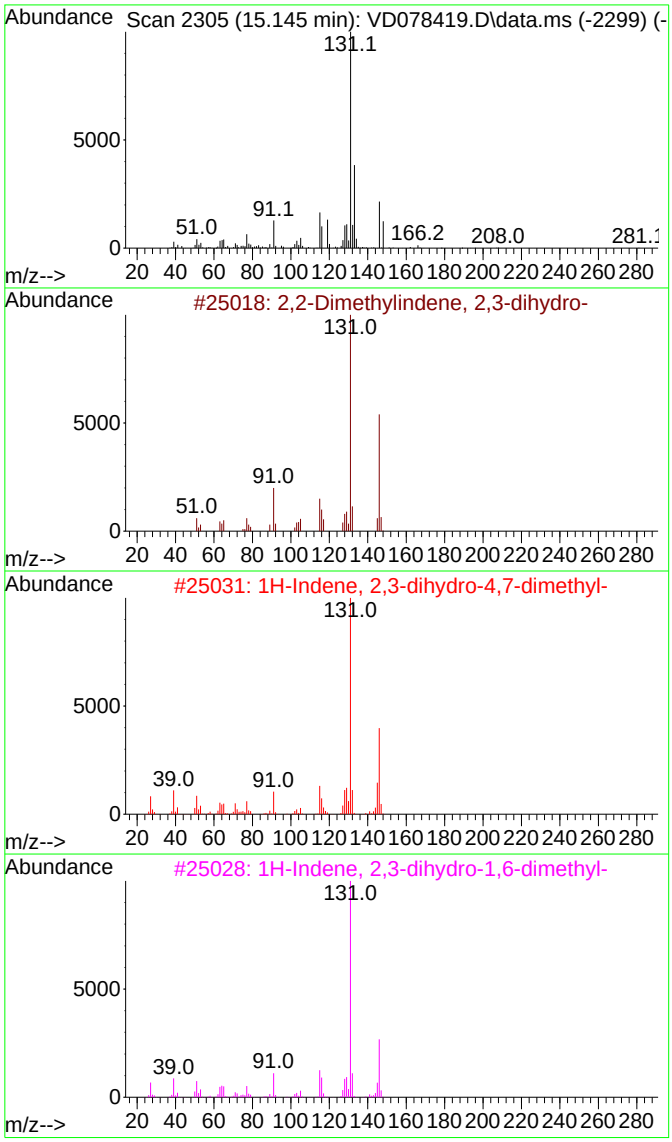
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

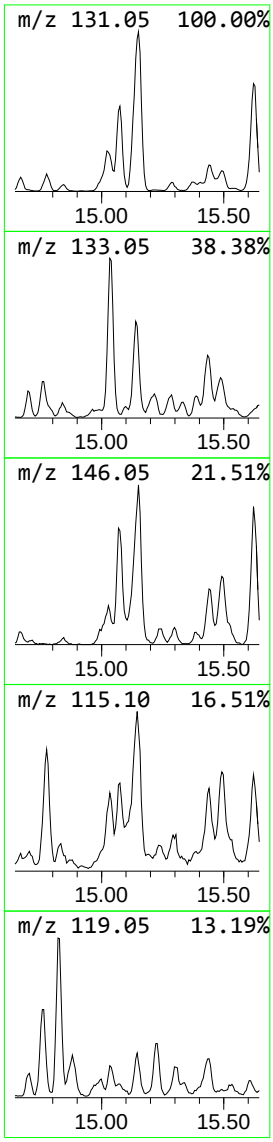
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2,2-Dimethylindene, 2,3-dih... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.145	61.86 ug/l	1402690	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

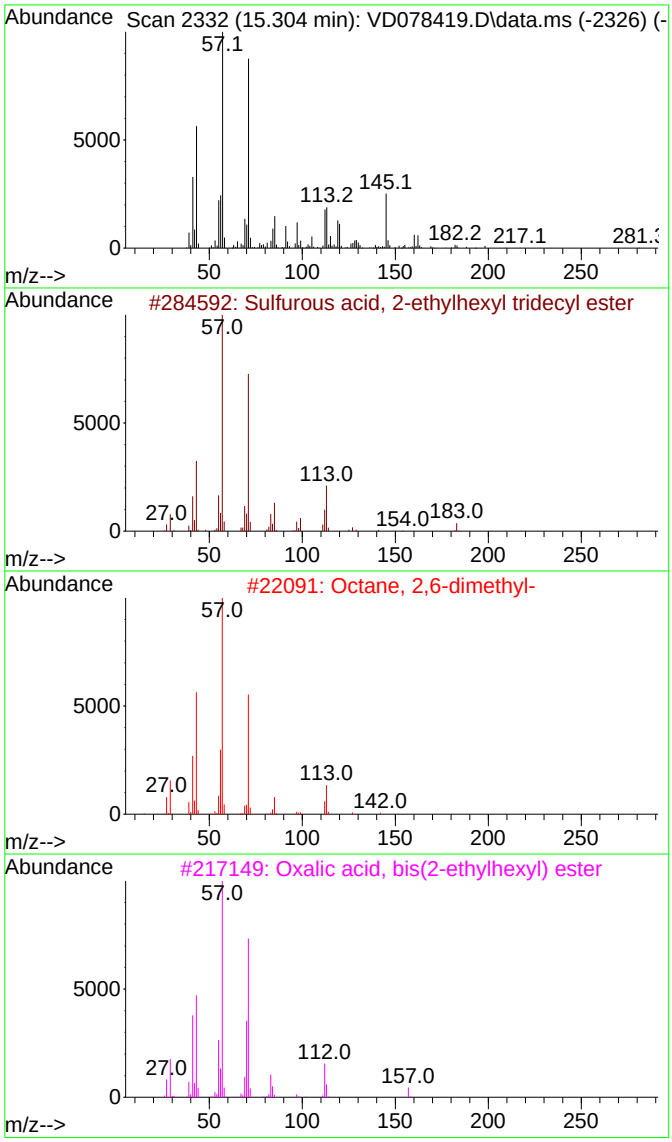
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

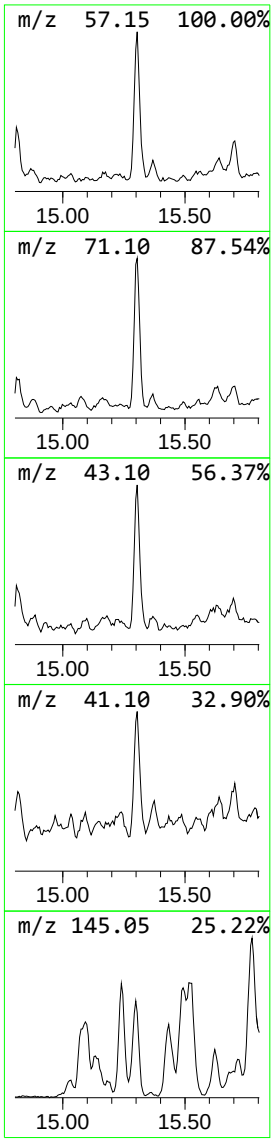
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Sulfurous acid, 2-ethylhexy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	53.73 ug/l	1218350	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	58
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
3	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	52
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	52
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

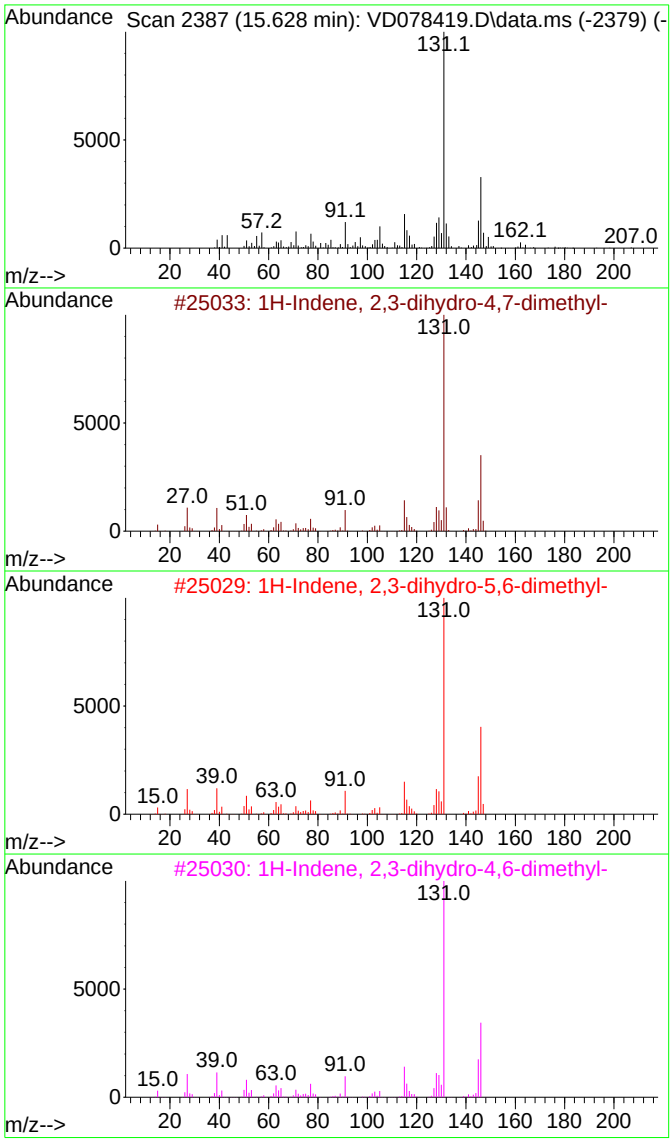
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

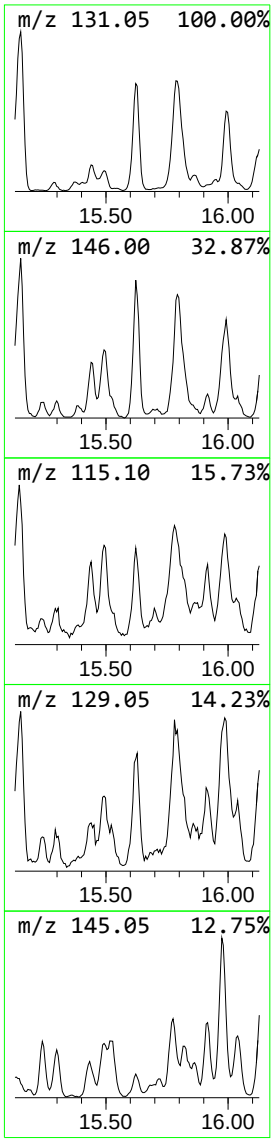
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.628	59.29 ug/l	1344440	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

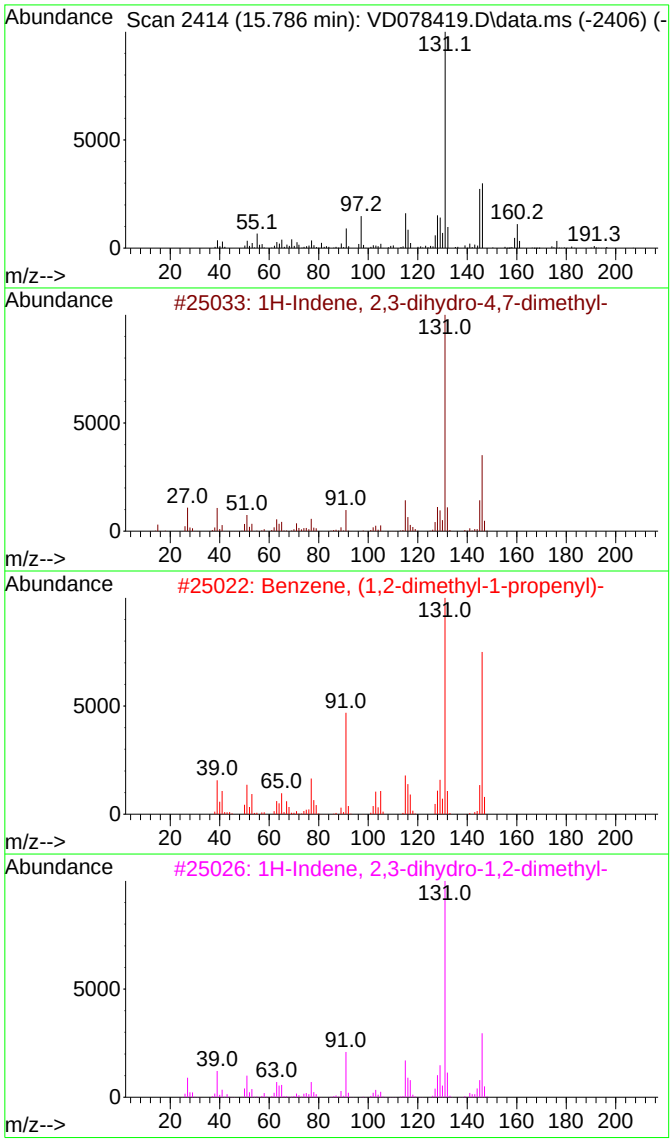
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

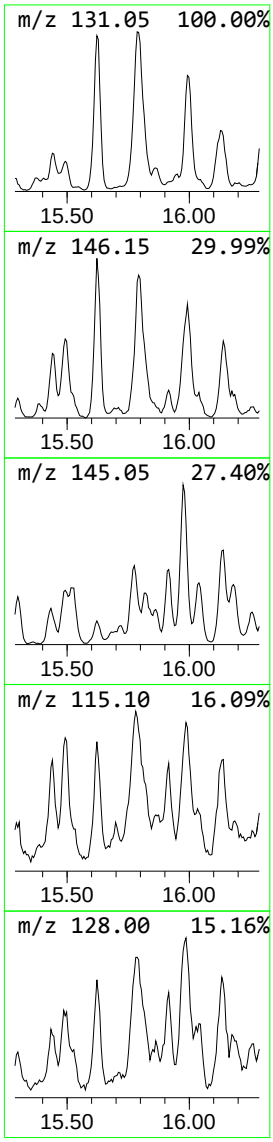
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.786	64.62 ug/l	1465350	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	76
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	68
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	68
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

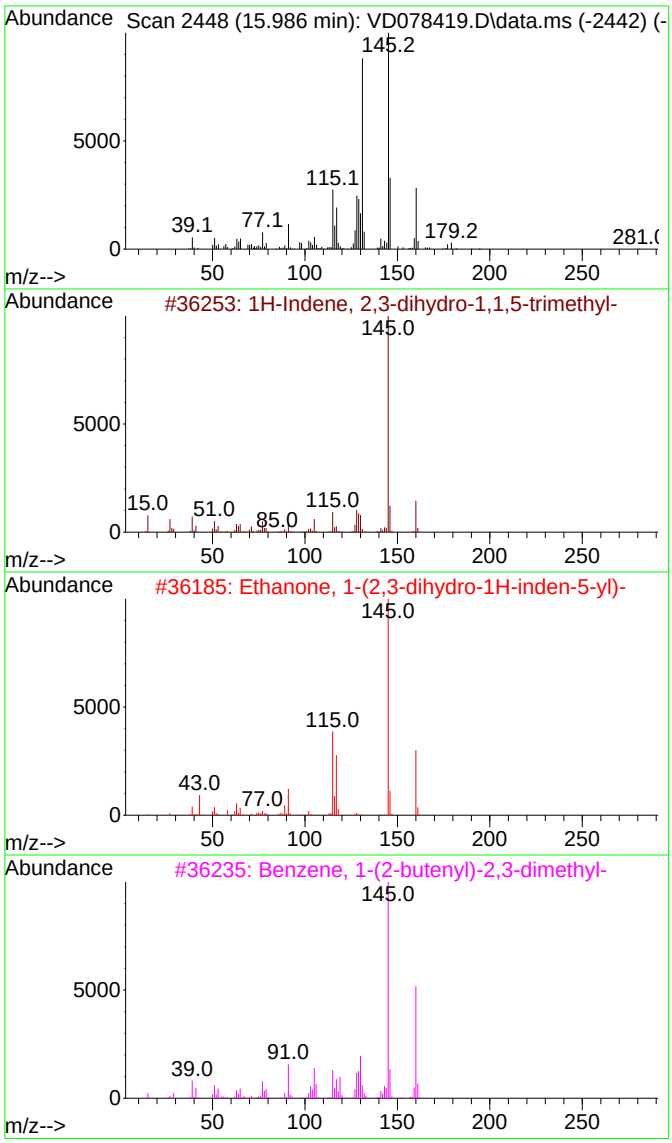
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

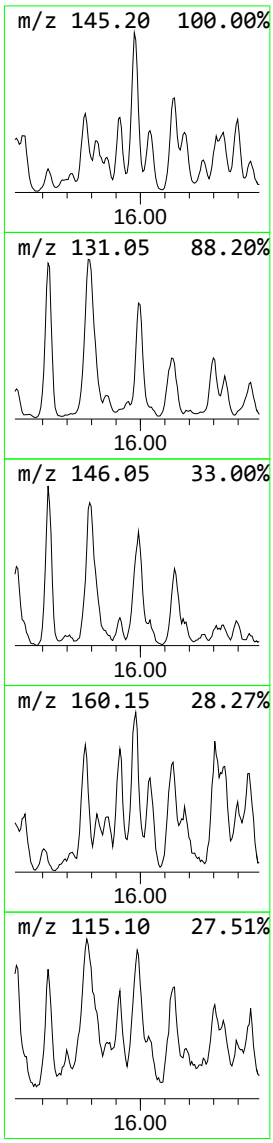
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.986	40.55 ug/l	919565	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	60
2	Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	50
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	49
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	49
5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

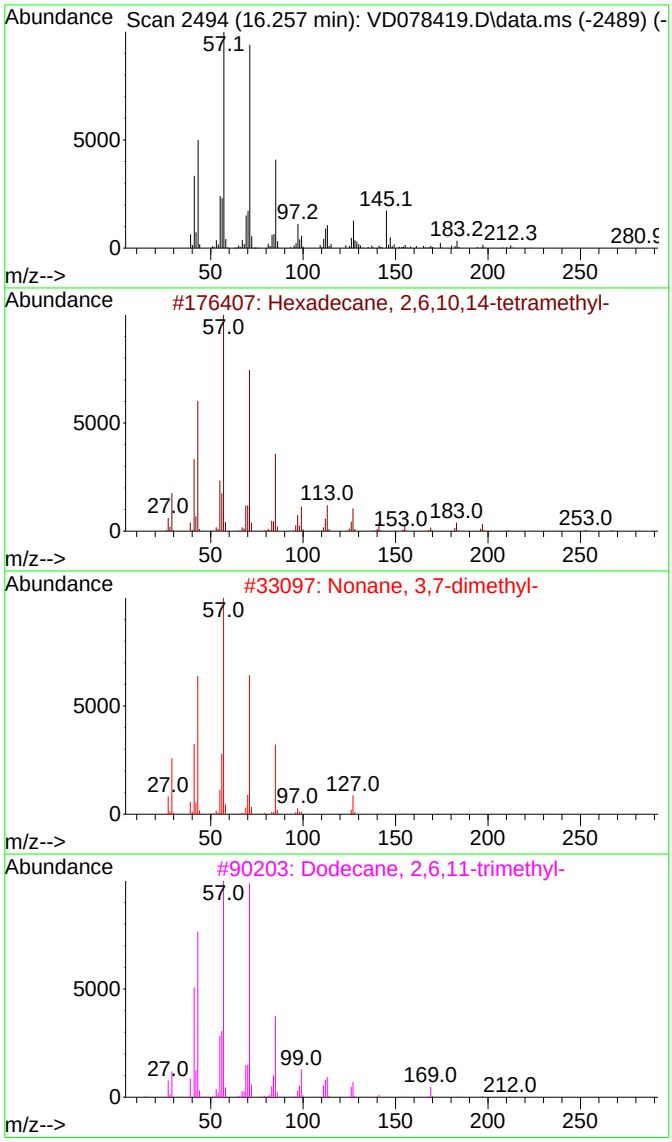
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

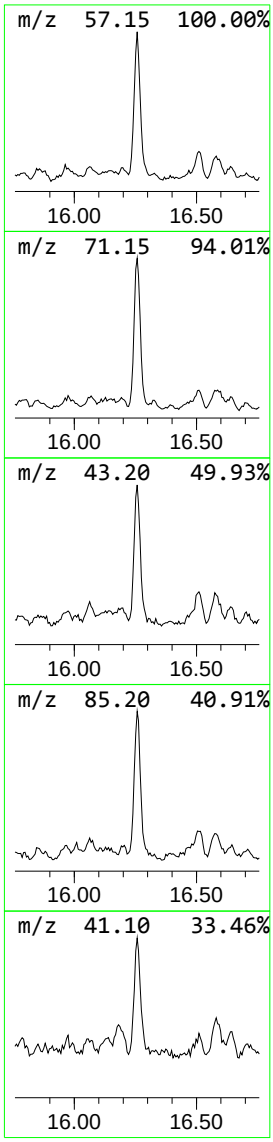
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Hexadecane, 2,6,10,14-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.257	43.96 ug/l	996778	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	74
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

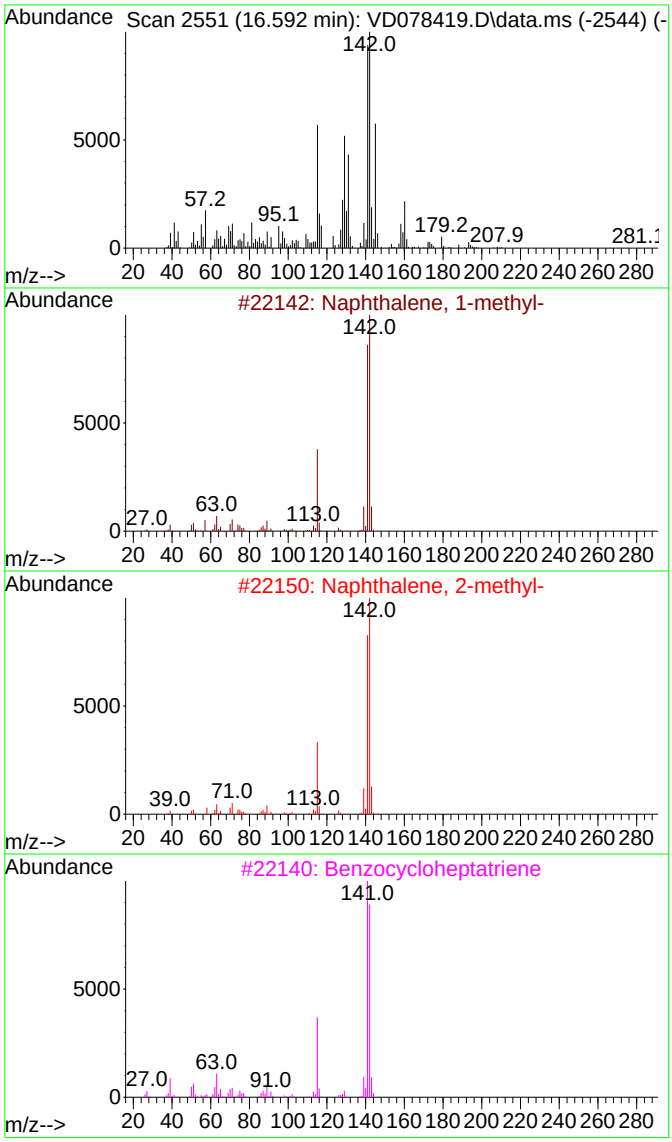
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260

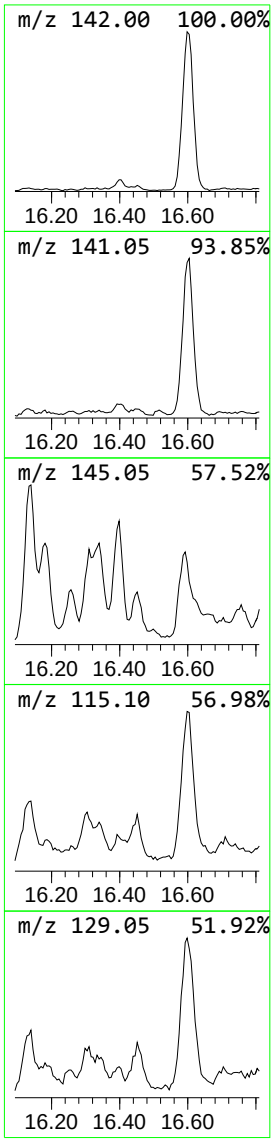
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzocycloheptatriene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.592	92.96 ug/l	2107940	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	55
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	55
3	Benzocycloheptatriene	142	C11H10	000264-09-5	55
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	49
5	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
Data File : VD078419.D
Acq On : 14 Feb 2024 17:30
Operator : RP/MD
Sample : P1464-02
Misc : 4.04G/5ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PN-2(NORTH-AREA)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.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
Naphthalene, 2,...	12.734	65.2	ug/l	1477850	4	13.516	1133840	50.0
Naphthalene, 1,...	13.216	69.5	ug/l	1576030	4	13.516	1133840	50.0
Benzene, 1-ethe...	14.775	44.3	ug/l	1003640	4	13.516	1133840	50.0
2,2-Dimethylind...	15.145	61.9	ug/l	1402690	4	13.516	1133840	50.0
Sulfurous acid,...	15.304	53.7	ug/l	1218350	4	13.516	1133840	50.0
1H-Indene, 2,3-...	15.628	59.3	ug/l	1344440	4	13.516	1133840	50.0
Benzene, (1,2-d...	15.786	64.6	ug/l	1465350	4	13.516	1133840	50.0
1H-Indene, 2,3-...	15.986	40.5	ug/l	919565	4	13.516	1133840	50.0
Hexadecane, 2,6...	16.257	44.0	ug/l	996778	4	13.516	1133840	50.0
Benzocyclohepta...	16.592	93.0	ug/l	2107940	4	13.516	1133840	50.0