LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

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_W\METHOD\82W071618S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.746	17	26	28	rBV	13304	26336	1.27%	0.151%
2	1.807	28	36	56	rVB	927313	2075413	100.00%	11.909%
3	4.123	406	416	432	rVB	13745	38733	1.87%	0.222%
4	4.904	532	544	556	rBV4	7412	30096	1.45%	0.173%
5	7.159	903	914	928	rBV	17299	53049	2.56%	0.304%
6	7.885	1023	1033	1038	rBV	182029	423543	20.41%	2.430%
7	7.952	1038	1044	1056	rVB	308443	681930	32.86%	3.913%
8	8.305	1092	1102	1115	rBV	184368	407094	19.62%	2.336%
9	8.848	1181	1191	1202	rBV	458934	920243	44.34%	5.280%
10	10.329	1423	1434	1442	rBV	503245	889685	42.87%	5.105%
11	11.634	1641	1648	1659	rBV	498131	831291	40.05%	4.770%
12	11.847	1674	1683	1685	rBV5	14563	36187	1.74%	0.208%
13	11.878	1685	1688	1692	rVV2	17338	31982	1.54%	0.184%
14	12.146	1724	1732	1734	rBV2	33419	70682	3.41%	0.406%
15	12.256	1743	1750	1754	rVB3	24608	44134	2.13%	0.253%
16	12.347	1760	1765	1766	rVV2	27937	42101	2.03%	0.242%
17	12.372	1767	1769	1776	rVB4	32743	69420	3.34%	0.398%
18	12.469	1780	1785	1788	rBV5	13481	29671	1.43%	0.170%
19	12.622	1804	1810	1817	rBV	363033	587244	28.30%	3.370%
20	12.707	1818	1824	1829	rVV6	23097	52460	2.53%	0.301%
21	12.786	1832	1837	1844	rVB3	56908	128013	6.17%	0.735%
22	12.872	1844	1851	1854	rBV2	91316	164909	7.95%	0.946%
23	12.908	1854	1857	1859	rVV	88637	141896	6.84%	0.814%
24	12.945	1859	1863	1869	rVV3	200004	406107	19.57%	2.330%
25	13.000	1869	1872	1877	rVB2	40729	62171	3.00%	0.357%
26	13.109	1882	1890	1897	rBV	109123	250170	12.05%	1.436%
27	13.183	1897	1902	1908	rVB6	35500	71859	3.46%	0.412%
28	13.256	1909	1914	1919	rBV	111375	181875	8.76%	1.044%
29	13.390	1932	1936	1939	rVB3	43813	62599	3.02%	0.359%
30	13.451	1940	1946	1950	rBV3	129506	234769	11.31%	1.347%
31	13.500	1950	1954	1959	rVB	70093	122145	5.89%	0.701%
32	13.567	1959	1965	1968	rBV	423099	768024	37.01%	4.407%
33	13.725	1983	1991	1993	rBV7	44972	112546	5.42%	0.646%
34	13.756	1993	1996	2000	rVV2	127786	207755	10.01%	1.192%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

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_W\METHOD\82W071618S.M
Title : SW846 8260

35	13.798	2000	2003	2012	rVB4	177723	352615	16.99%	2.023%
36	13.884	2012	2017	2022	rBV2	244093	420180	20.25%	2.411%
37	13.957	2022	2029	2033	rVV2	109861	237006	11.42%	1.360%
38	14.018	2036	2039	2041	rVV	69855	98972	4.77%	0.568%
39	14.048	2041	2044	2049	rVV2	103164	200364	9.65%	1.150%
40	14.103	2049	2053	2060	rVB	237093	391959	18.89%	2.249%
41	14.164	2060	2063	2066	rBV3	21950	31018	1.49%	0.178%
42	14.213	2066	2071	2076	rBV2	209622	329711	15.89%	1.892%
43	14.286	2076	2083	2087	rBV6	63129	177918	8.57%	1.021%
44	14.347	2087	2093	2097	rBV2	120955	214109	10.32%	1.229%
45	14.396	2097	2101	2104	rVV2	123214	196849	9.48%	1.130%
46	14.426	2104	2106	2110	rVV2	93186	141880	6.84%	0.814%
47	14.463	2110	2112	2116	rVB	108502	137222	6.61%	0.787%
48	14.512	2116	2120	2123	rBV	113166	161483	7.78%	0.927%
49	14.554	2123	2127	2134	rBV3	138705	253271	12.20%	1.453%
50	14.634	2134	2140	2147	rBV3	73062	206628	9.96%	1.186%
51	14.713	2148	2153	2154	rVV4	30024	57316	2.76%	0.329%
52	14.737	2154	2157	2162	rVB3	132347	210210	10.13%	1.206%
53	14.804	2162	2168	2175	rBV3	323054	745006	35.90%	4.275%
54	14.865	2175	2178	2184	rVB	98083	149935	7.22%	0.860%
55	14.969	2191	2195	2200	rVB	147754	229078	11.04%	1.314%
56	15.079	2208	2213	2217	rBV	156223	280481	13.51%	1.609%
57	15.182	2225	2230	2237	rVB2	141167	323293	15.58%	1.855%
58	15.335	2251	2255	2260	rBV5	53873	112100	5.40%	0.643%
59	15.432	2266	2271	2275	rBV	104303	208910	10.07%	1.199%
60	15.572	2291	2294	2302	rVB6	90932	179589	8.65%	1.031%
61	15.664	2303	2309	2317	rBV7	41762	148217	7.14%	0.850%
62	15.749	2319	2323	2327	rBV5	47988	81614	3.93%	0.468%
63	15.877	2340	2344	2350	rVB	85377	139919	6.74%	0.803%
64	16.188	2387	2395	2403	rBV3	125259	308865	14.88%	1.772%
65	16.389	2423	2428	2434	rVB3	80580	166254	8.01%	0.954%
66	16.456	2434	2439	2446	rBV5	43035	111792	5.39%	0.641%
67	16.664	2466	2473	2479	rBV7	54477	167307	8.06%	0.960%

Sum of corrected areas: 17427203

LSC Report - Integrated Chromatogram

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Data File : VW004207.D
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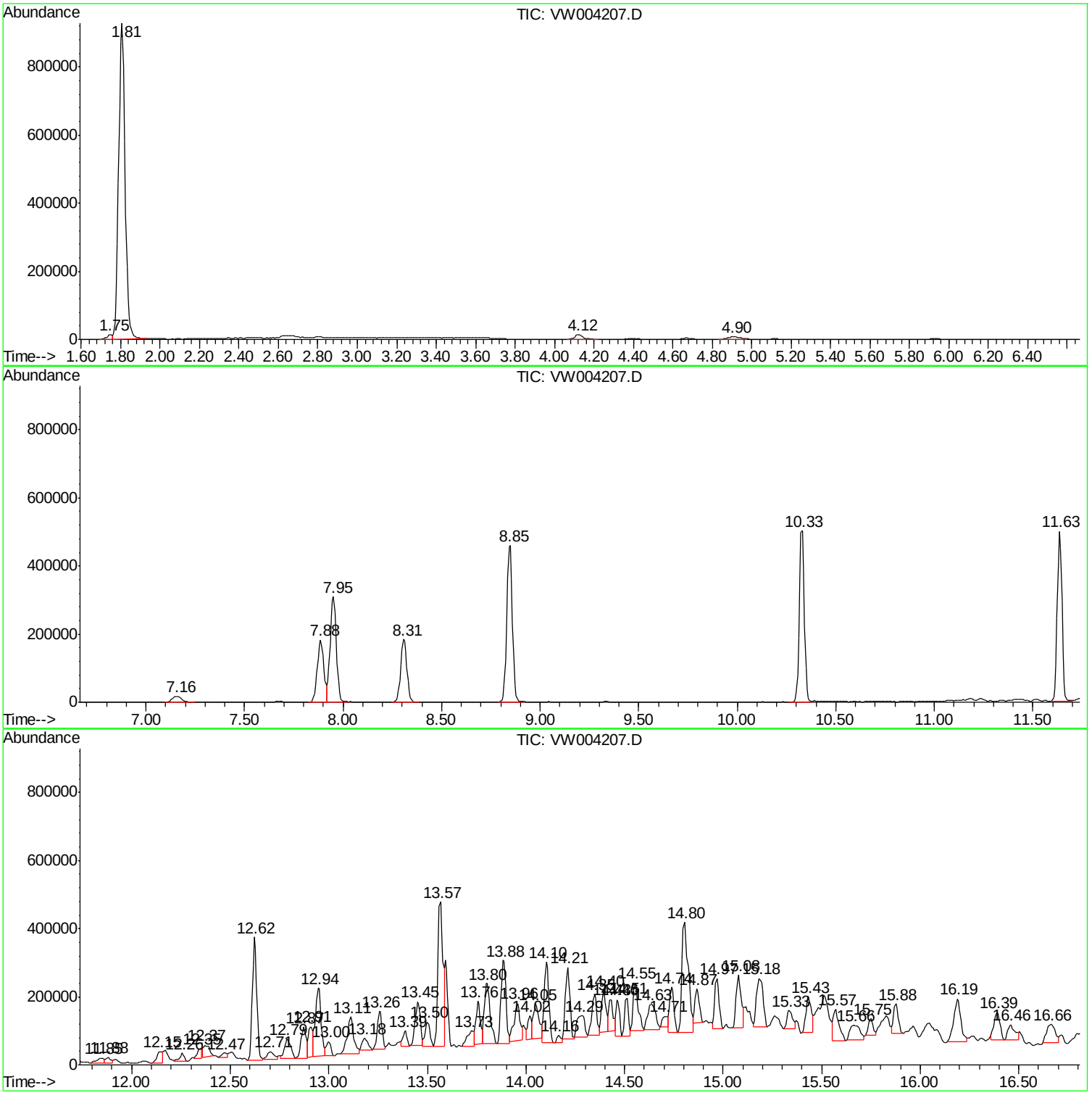
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

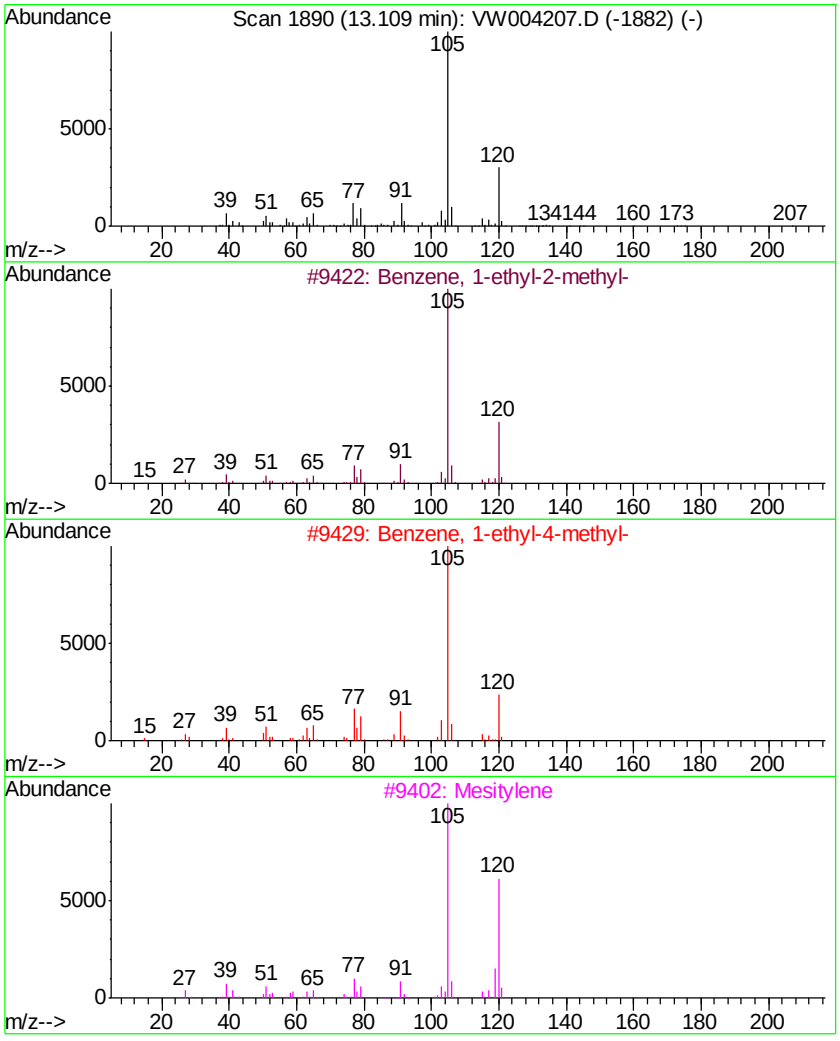
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

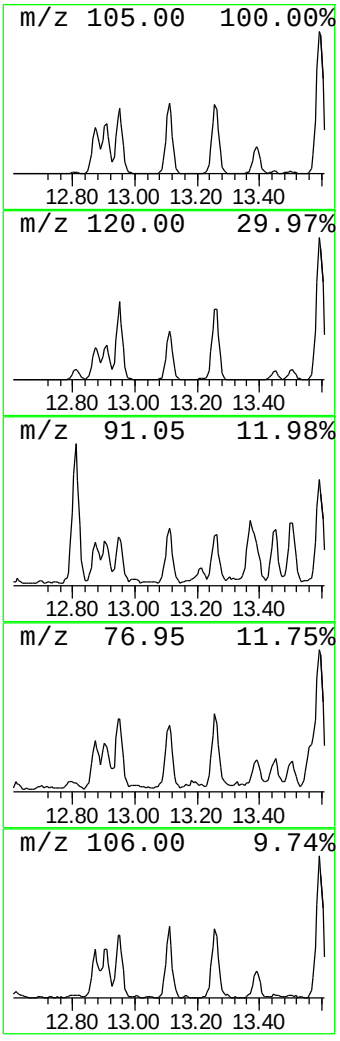
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	16.29 ug/l	250170	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

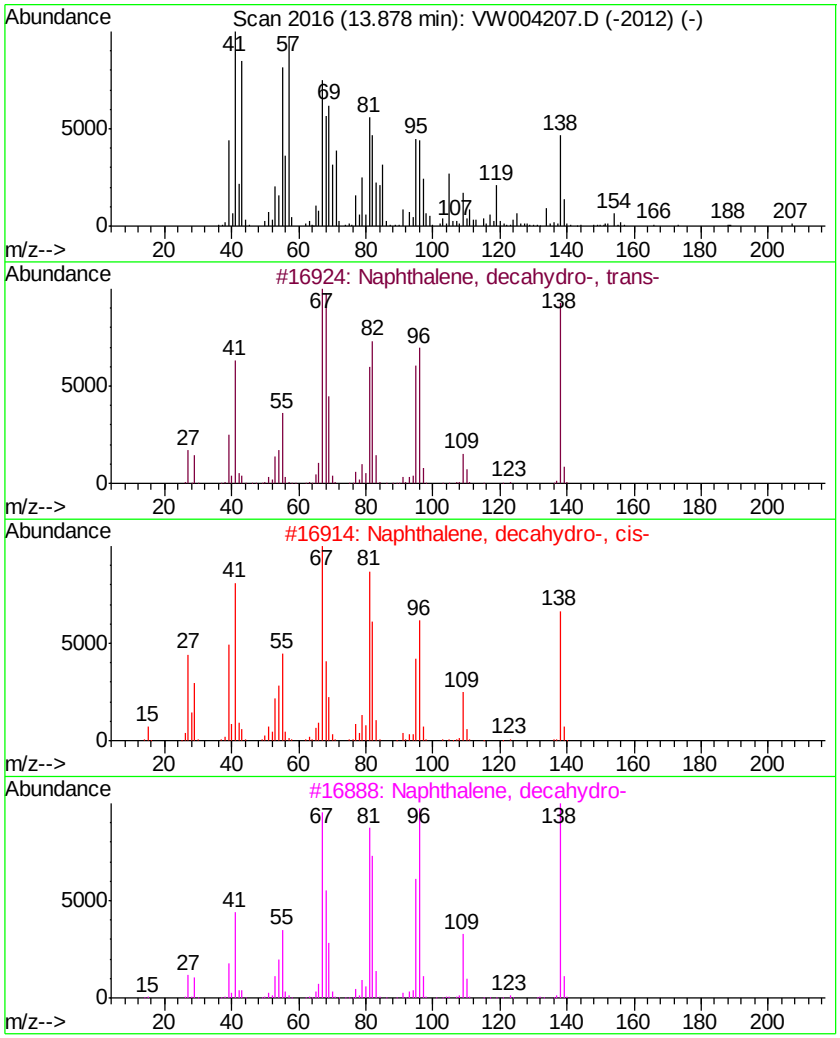
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

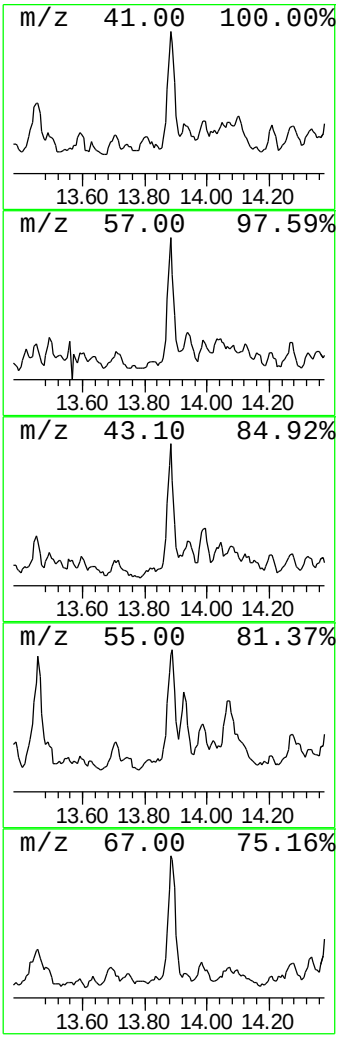
****

Peak Number 3 Naphthalene, decahydro-, tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	27.35 ug/l	420180	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	91
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	64
4	(Z)-4-Decen-1-ol, pentafluoropro...	302	C13H19F5O2	1000352-33-4	60
5	Spiro[4.5]decane	138	C10H18	000176-63-6	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

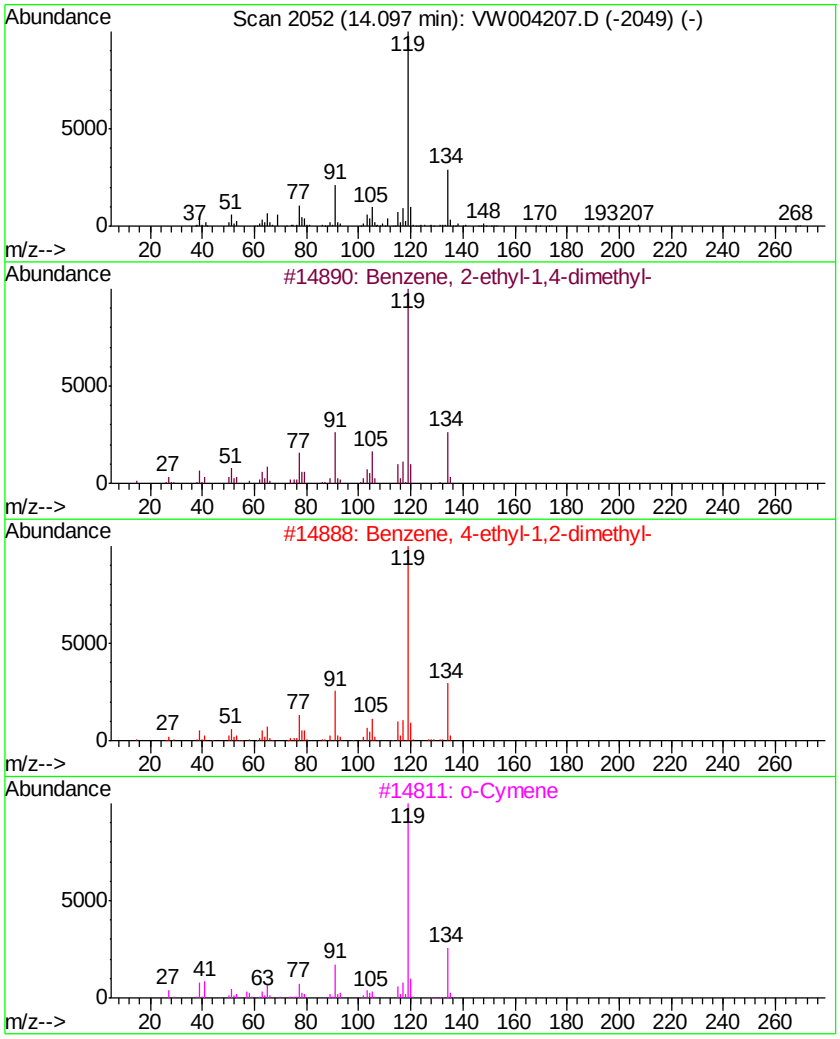
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

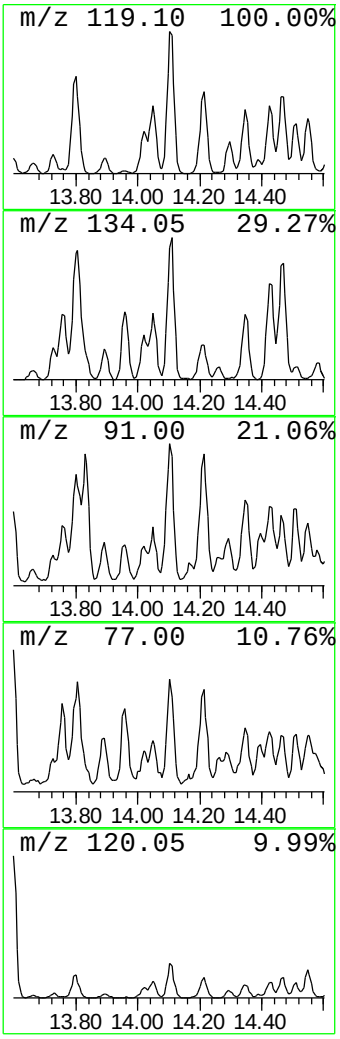
****

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	25.52 ug/l	391959	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	p-Cymene	134	C10H14	000099-87-6	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072618\
Data File : VW004207.D
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Sample : J3821-11
Misc : 6.96G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

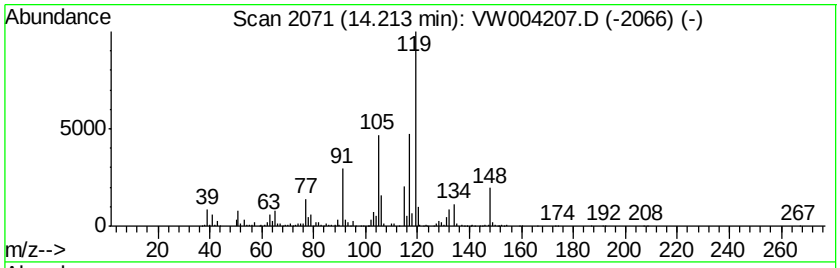
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

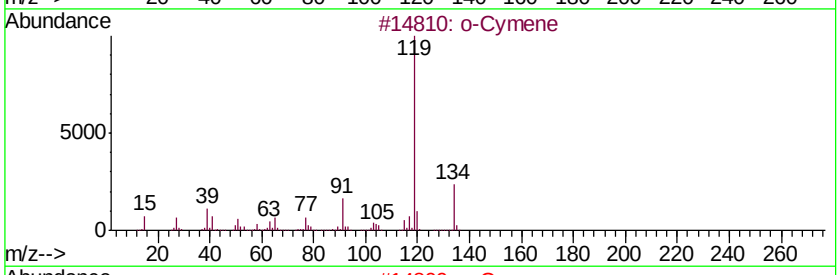
****

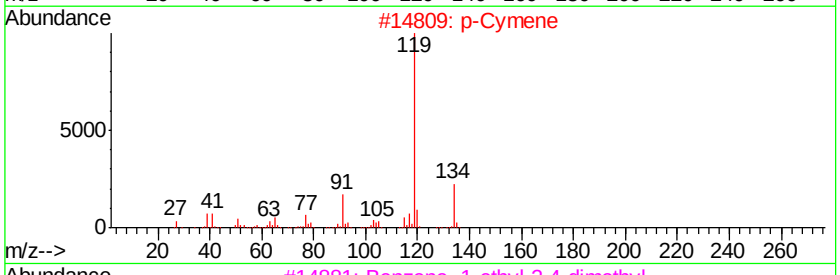
Peak Number 5 o-Cymene Concentration Rank 5

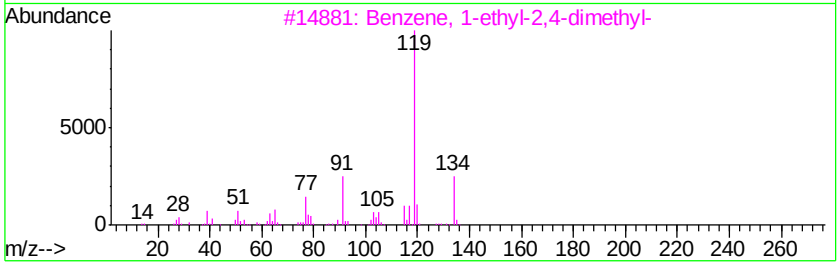
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	21.46 ug/l	329711	1,4-Dichlorobenzene-d4	13.57

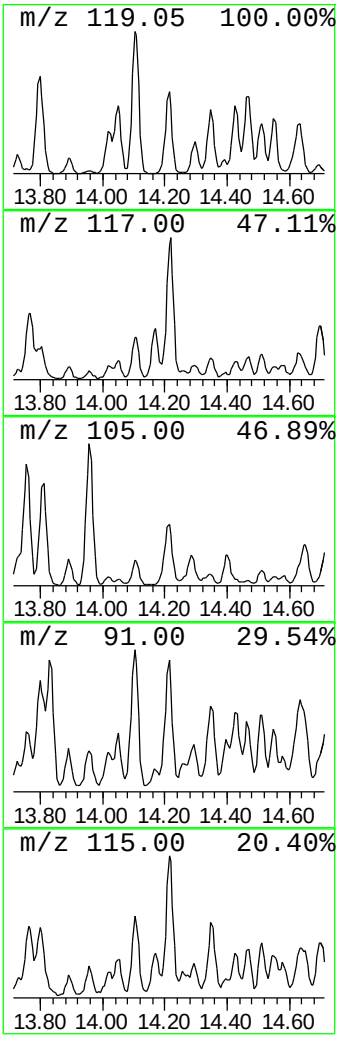
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	55
2	p-Cymene	134	C10H14	000099-87-6	55
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	53
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	49
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49











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ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

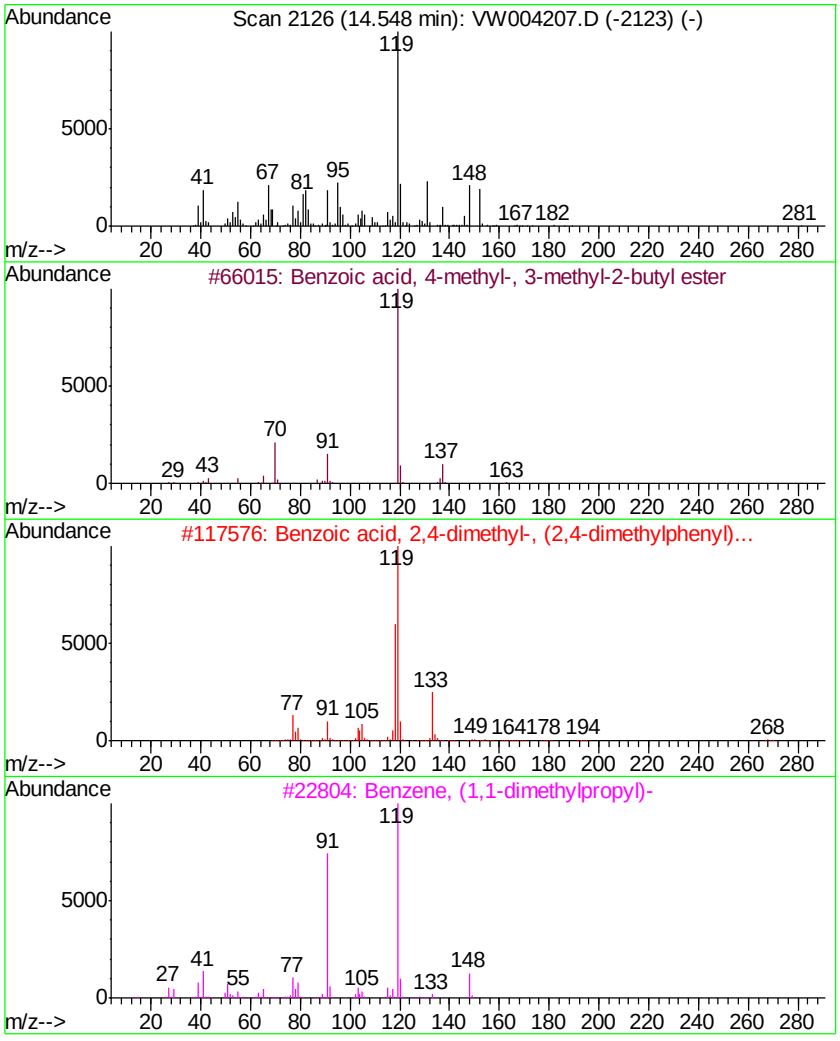
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

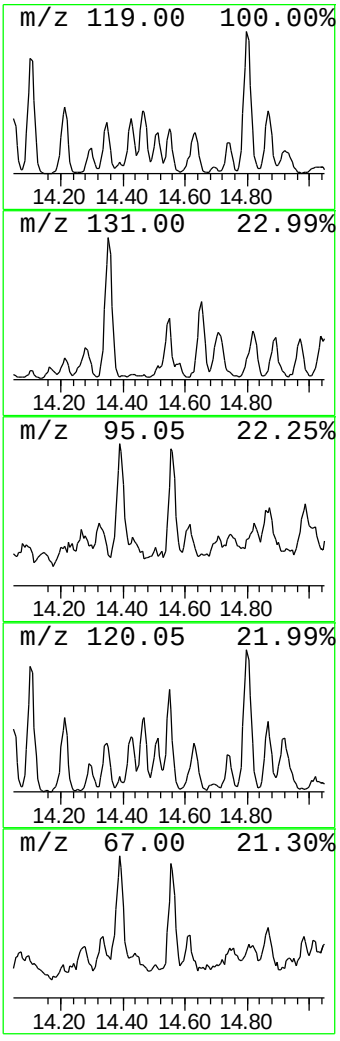
****

Peak Number 6 unknown14.55 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	16.49 ug/l	253271	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-methyl-, 3-methy...	206	C13H18O2	212261-12-6	35
2	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	35
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	35
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	35
5	2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

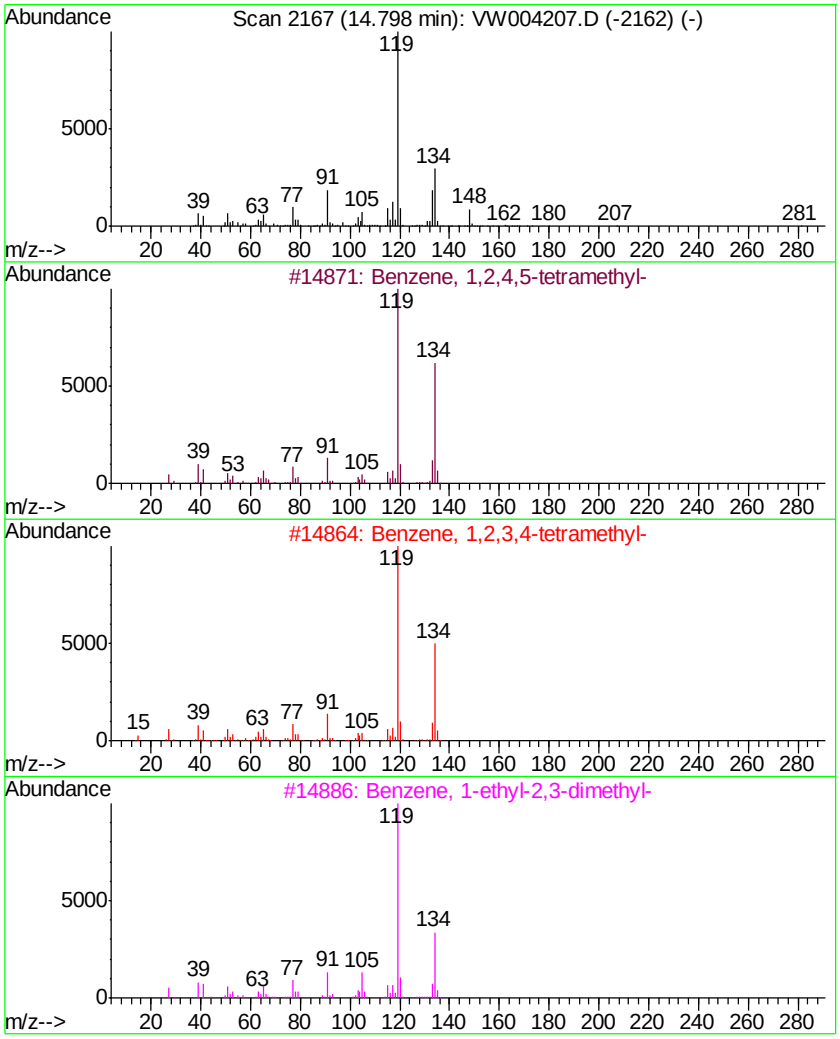
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

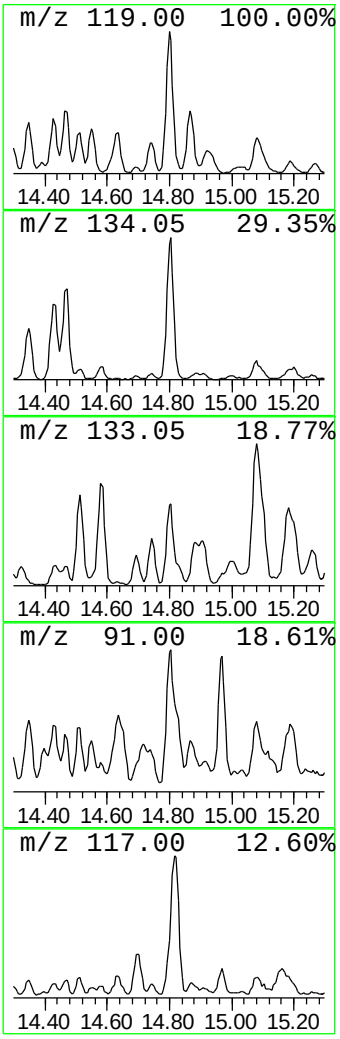
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	48.50 ug/l	745006	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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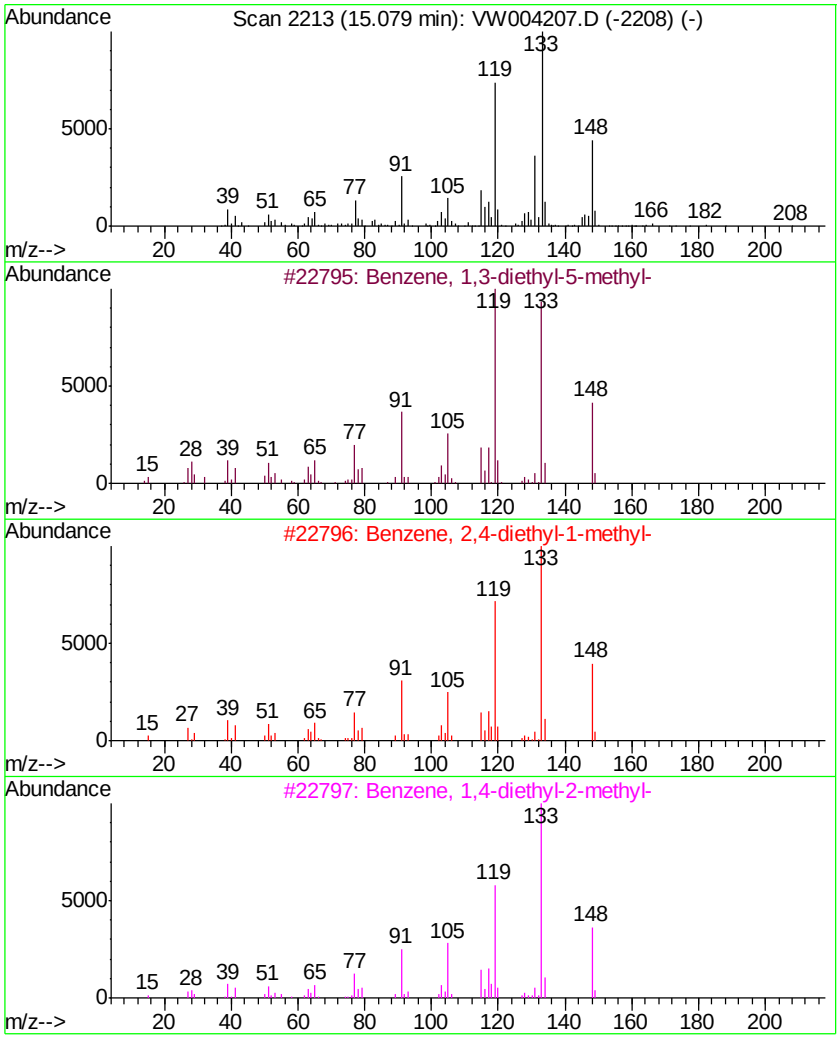
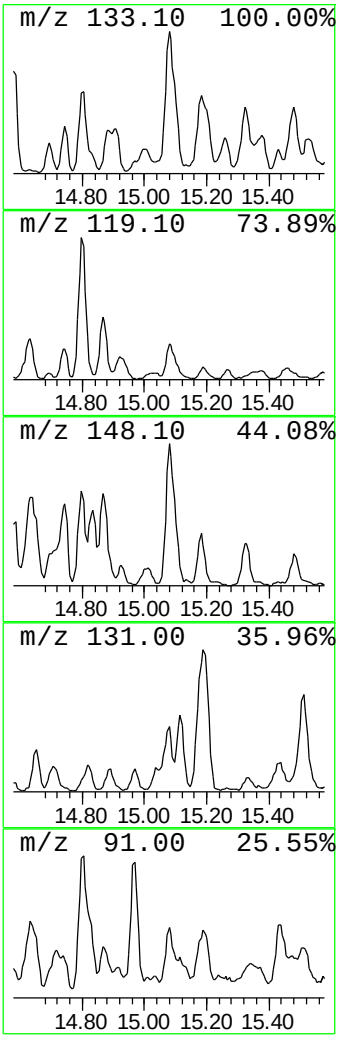
Peak Number 8 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	18.26 ug/l	280481	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	87
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	51





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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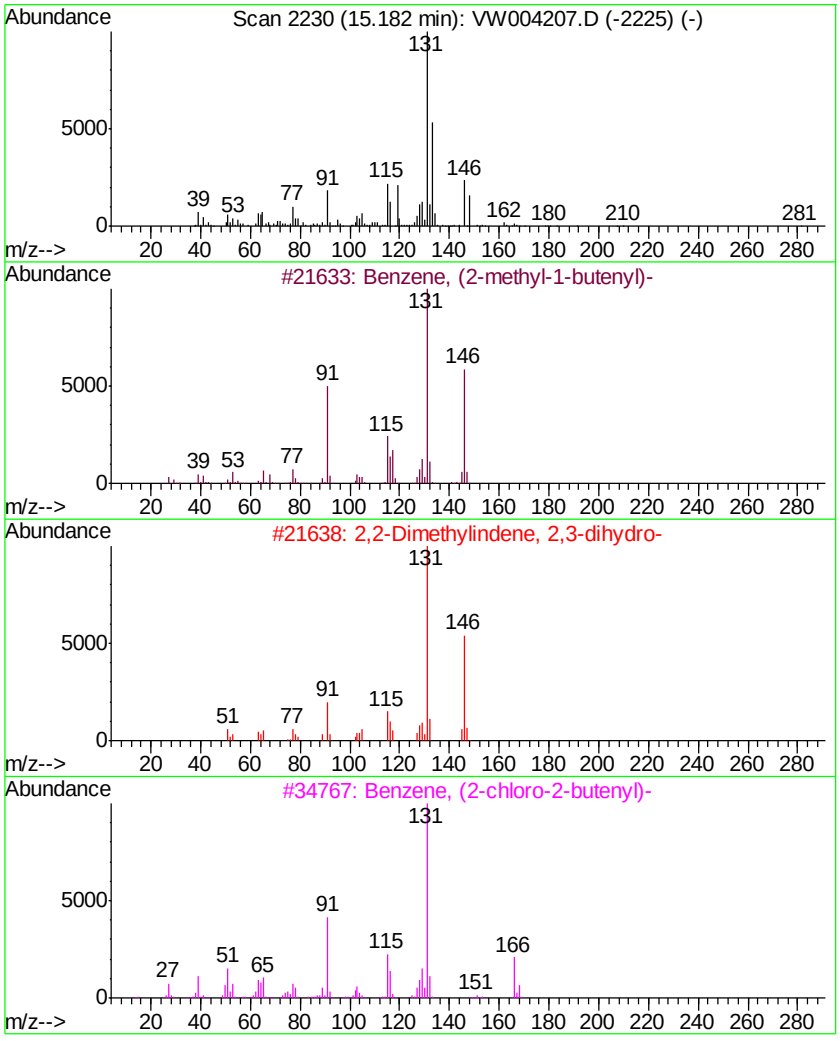
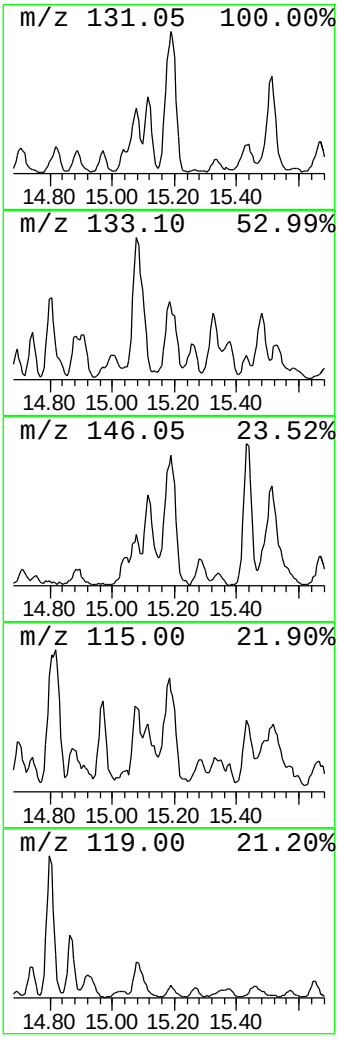
Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	21.05 ug/l	323293	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	86
3	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	78
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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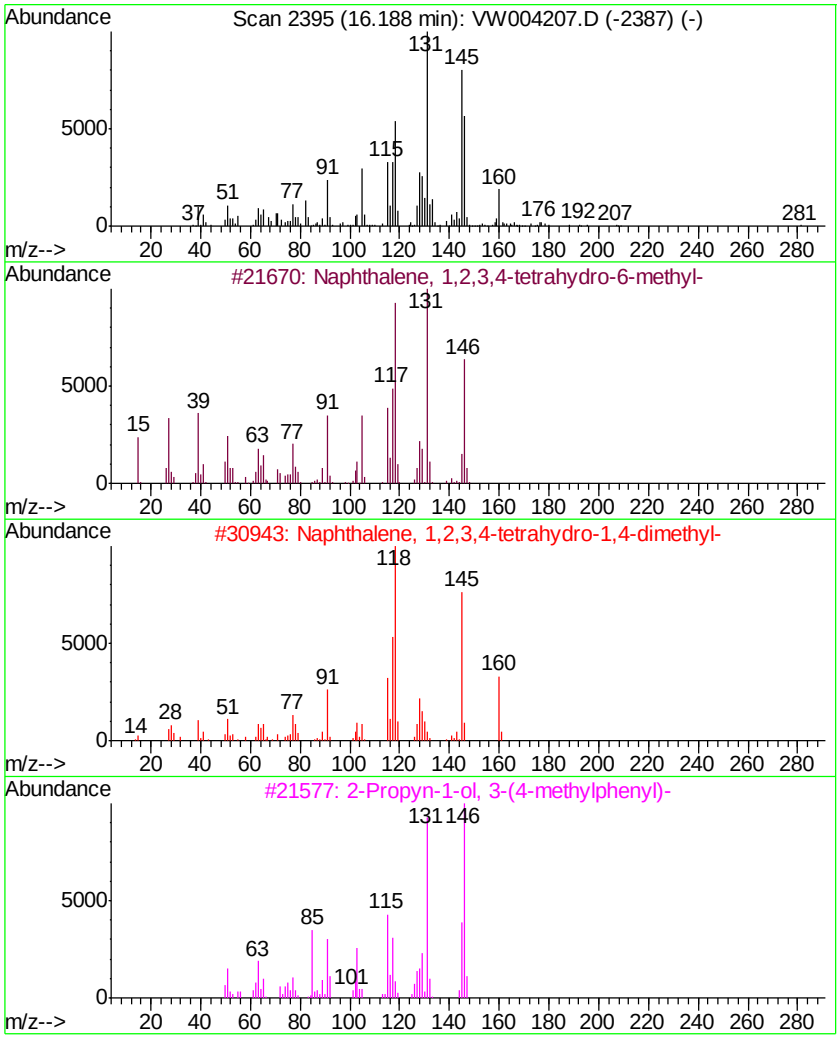
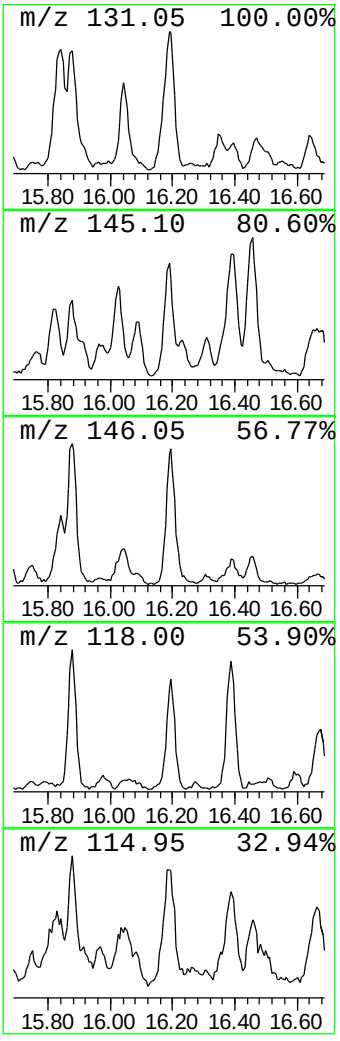
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	20.11 ug/l	308865	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	60
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	60
3	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	55
4	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	55
5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HR-06-072418-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	13.11	16.3	ug/l	250170	4	13.57	768024	50.0
Naphthalene, deca...	13.88	27.4	ug/l	420180	4	13.57	768024	50.0
Benzene, 2-ethyl-...	14.10	25.5	ug/l	391959	4	13.57	768024	50.0
o-Cymene	14.21	21.5	ug/l	329711	4	13.57	768024	50.0
unknown14.55	14.55	16.5	ug/l	253271	4	13.57	768024	50.0
Benzene, 1,2,4,5-...	14.80	48.5	ug/l	745006	4	13.57	768024	50.0
Benzene, 1,3-diet...	15.08	18.3	ug/l	280481	4	13.57	768024	50.0
Benzene, (2-methy...	15.18	21.1	ug/l	323293	4	13.57	768024	50.0
Naphthalene, 1,2,...	16.19	20.1	ug/l	308865	4	13.57	768024	50.0