

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\Vw121520\
 Data File : VW017630.D
 Acq On : 15 Dec 2020 13:38
 Operator : SY/VA
 Sample : L5010-04
 Misc : 3.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JBD-IB-08-3.0-5.0

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\82W121420S.M
 Title : SW846 8260

Signal : TIC: VW017630.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.154	35	41	55	rBV	43146	113422	8.20%	0.982%
2	2.666	118	125	126	rBV7	9942	19571	1.42%	0.169%
3	4.123	356	364	374	rBV2	18134	50881	3.68%	0.441%
4	4.928	483	496	508	rBV	23510	80715	5.84%	0.699%
5	7.141	847	859	873	rBV	34303	109285	7.90%	0.946%
6	7.884	969	981	986	rBV	175644	415526	30.04%	3.598%
7	7.952	986	992	1004	rVB	326836	730230	52.80%	6.323%
8	8.305	1040	1050	1062	rBV	176511	396538	28.67%	3.434%
9	8.842	1127	1138	1152	rBV	500664	998451	72.19%	8.646%
10	10.323	1372	1381	1389	rBV	773793	1383093	100.00%	11.976%
11	11.634	1587	1596	1606	rBV	666283	1117200	80.78%	9.674%
12	12.140	1671	1679	1684	rBV5	13134	33015	2.39%	0.286%
13	12.341	1708	1712	1716	rBV4	11351	21071	1.52%	0.182%
14	12.621	1751	1758	1765	rVB	480896	783788	56.67%	6.787%
15	12.701	1765	1771	1776	rBV5	9202	19621	1.42%	0.170%
16	12.786	1776	1785	1792	rVB5	22139	54323	3.93%	0.470%
17	12.865	1792	1798	1801	rBV5	11438	24577	1.78%	0.213%
18	12.945	1801	1811	1816	rVV4	42654	104352	7.54%	0.904%
19	13.170	1843	1848	1857	rBV9	15593	37316	2.70%	0.323%
20	13.249	1857	1861	1866	rBV	76194	122233	8.84%	1.058%
21	13.383	1878	1883	1887	rVB3	18396	25921	1.87%	0.224%
22	13.444	1888	1893	1897	rBV4	23003	38239	2.76%	0.331%
23	13.493	1897	1901	1905	rVB3	16452	28014	2.03%	0.243%
24	13.560	1905	1912	1921	rVB	549272	926054	66.96%	8.019%
25	13.719	1931	1938	1941	rBV2	40730	72405	5.24%	0.627%
26	13.749	1941	1943	1946	rVB2	19271	18952	1.37%	0.164%
27	13.792	1946	1950	1959	rVB3	62002	136406	9.86%	1.181%
28	13.883	1959	1965	1973	rBV3	102166	186862	13.51%	1.618%
29	14.011	1981	1986	1988	rBV	72435	109770	7.94%	0.950%
30	14.042	1988	1991	1995	rVB	77236	108061	7.81%	0.936%
31	14.097	1995	2000	2005	rVB	132503	200975	14.53%	1.740%
32	14.206	2012	2018	2023	rVB3	100664	179715	12.99%	1.556%
33	14.280	2023	2030	2034	rBV5	35490	92008	6.65%	0.797%
34	14.341	2034	2040	2044	rBV3	40296	63761	4.61%	0.552%
35	14.389	2044	2048	2050	rBV4	53667	84328	6.10%	0.730%

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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36	14.420	2050	2053	2056	rVV	73006	88370	6.39%	0.765%
37	14.456	2056	2059	2063	rVB	97374	127006	9.18%	1.100%
38	14.499	2063	2066	2070	rBV	75943	110996	8.03%	0.961%
39	14.548	2070	2074	2076	rBV4	26128	37000	2.68%	0.320%
40	14.621	2081	2086	2093	rVB2	58123	139476	10.08%	1.208%
41	14.688	2093	2097	2100	rBV3	42915	77172	5.58%	0.668%
42	14.731	2100	2104	2109	rVB	93189	141820	10.25%	1.228%
43	14.792	2109	2114	2121	rBV2	266034	521284	37.69%	4.514%
44	14.859	2121	2125	2130	rVB	44271	69185	5.00%	0.599%
45	14.956	2137	2141	2145	rBV	52573	82399	5.96%	0.713%
46	15.005	2146	2149	2151	rVV2	32556	50621	3.66%	0.438%
47	15.066	2155	2159	2171	rVV5	107028	329786	23.84%	2.856%
48	15.170	2171	2176	2186	rVB5	85287	210999	15.26%	1.827%
49	15.322	2197	2201	2205	rBV5	32611	64336	4.65%	0.557%
50	15.365	2206	2208	2212	rVB2	34171	38709	2.80%	0.335%
51	15.420	2212	2217	2221	rBV6	39908	99959	7.23%	0.866%
52	15.468	2222	2225	2229	rVB4	23414	40012	2.89%	0.346%
53	15.651	2248	2255	2256	rBV4	29578	58852	4.26%	0.510%
54	15.731	2262	2268	2272	rVB6	29700	62388	4.51%	0.540%
55	15.865	2287	2290	2296	rVB4	33737	50424	3.65%	0.437%
56	16.170	2337	2340	2349	rVB6	36696	74188	5.36%	0.642%
57	16.444	2380	2385	2389	rBV4	33426	73218	5.29%	0.634%
58	16.639	2412	2417	2425	rVB6	48637	113850	8.23%	0.986%

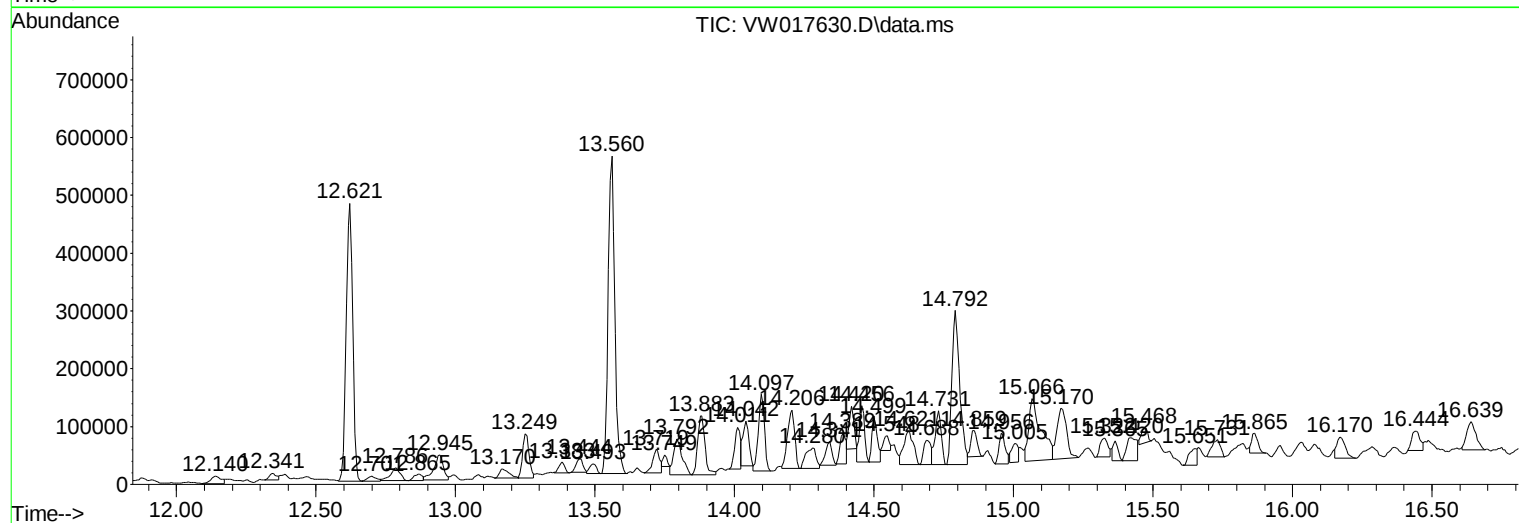
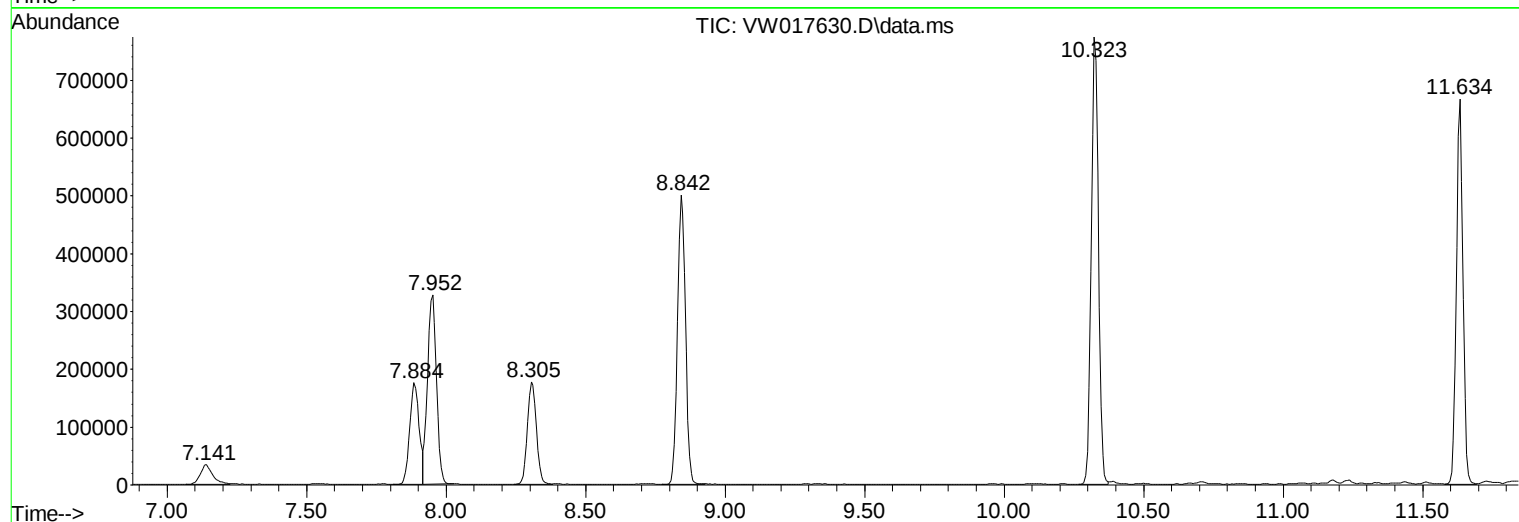
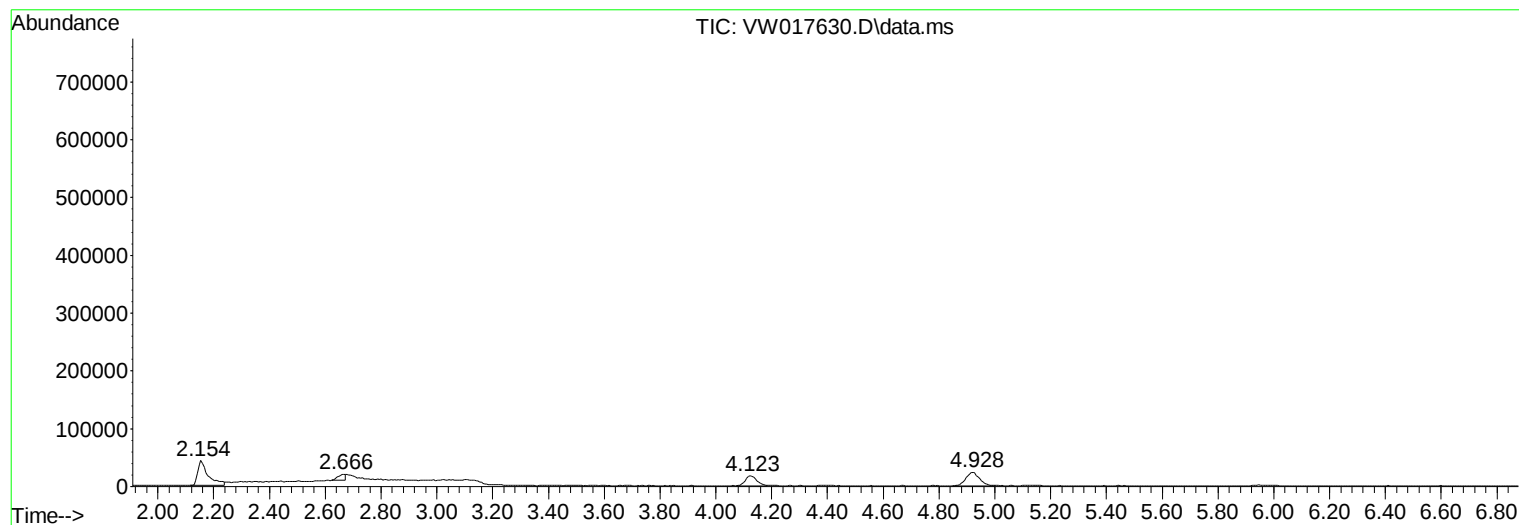
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Quant Title : SW846 8260

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



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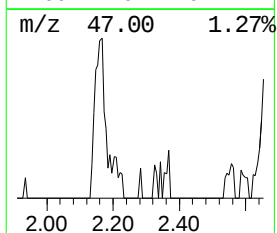
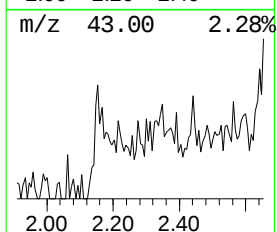
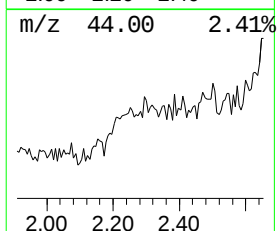
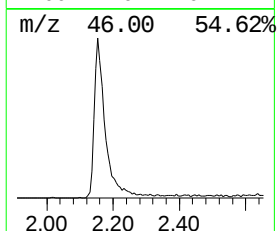
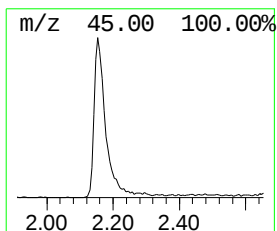
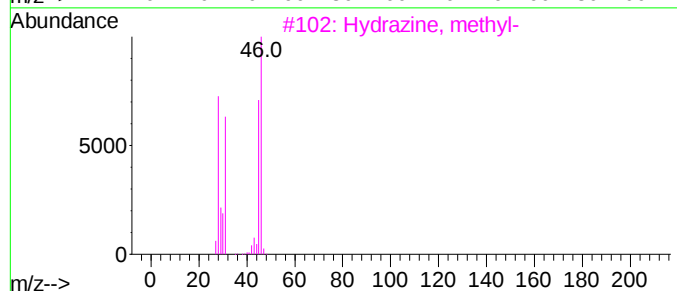
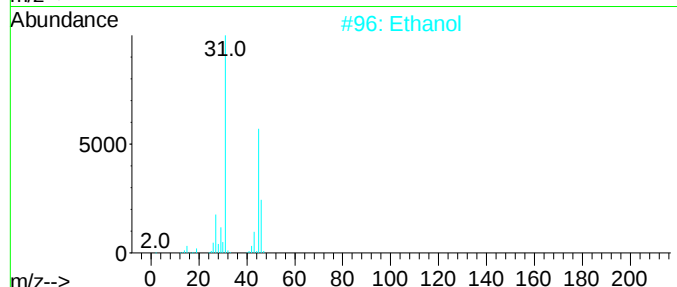
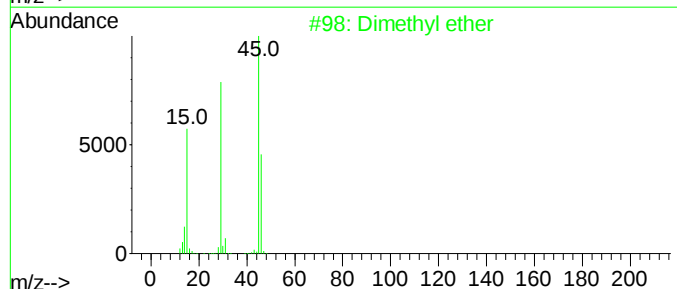
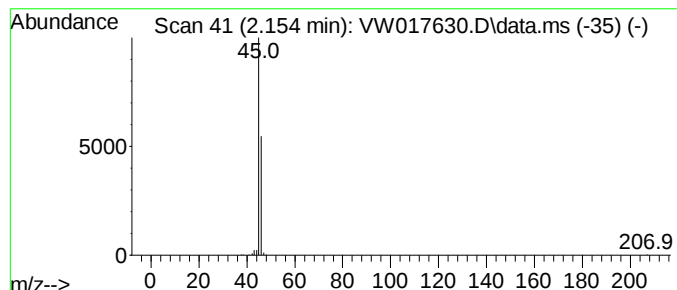
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82w121420S.M
Quant Title : SW846 8260

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

Peak Number 1 Dimethyl ether Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.154	7.77 ug/l	113422	Pentafluorobenzene	7.952

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	74
2	Ethanol	46	C2H6O	000064-17-5	9
3	Hydrazine, methyl-	46	CH6N2	000060-34-4	5
4	Formic acid	46	CH2O2	000064-18-6	5
5	Ethene, fluoro-	46	C2H3F	000075-02-5	4



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JBD-IB-08-3.0-5.0

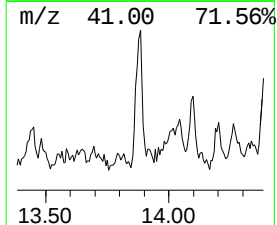
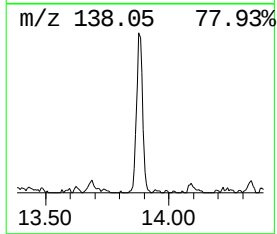
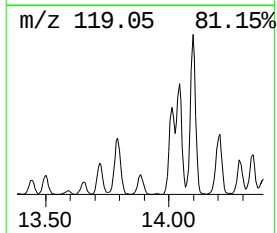
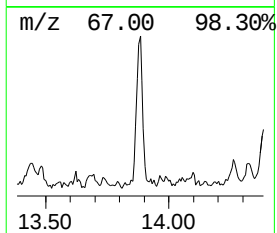
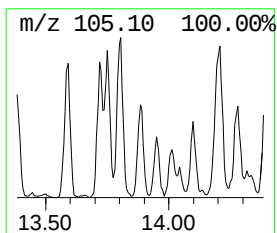
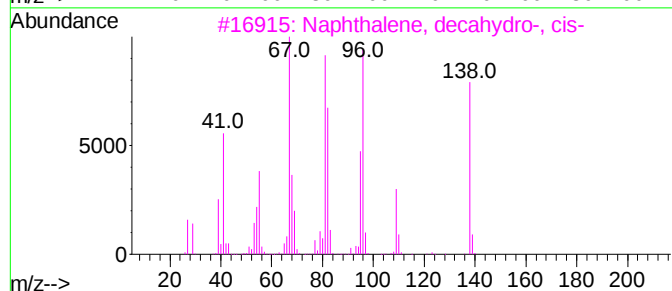
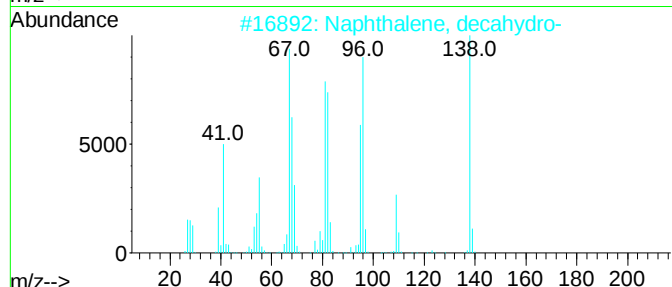
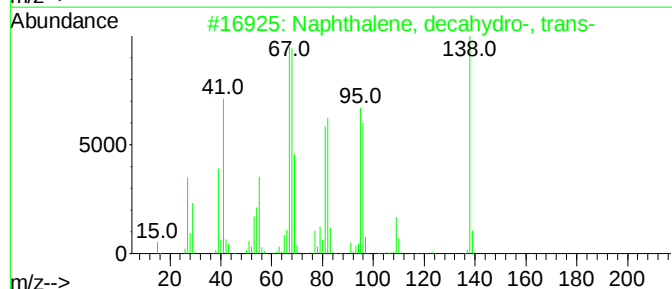
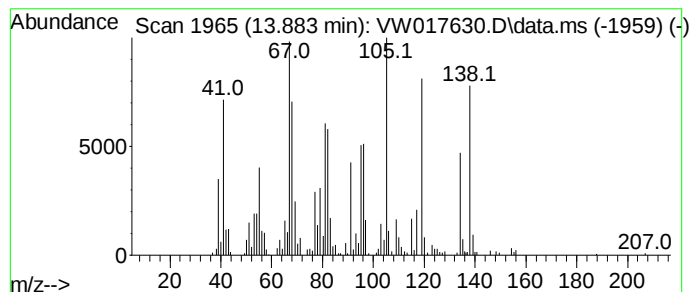
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
Quant Title : SW846 8260

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

Peak Number 2 Naphthalene, decahydro-, tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.883	10.09 ug/l	186862	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	97
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	86
3			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	60
4			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	60
5			1,1'-Bicyclopentyl	138	C10H18	001636-39-1	50



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Misc : 3.20G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JBD-IB-08-3.0-5.0

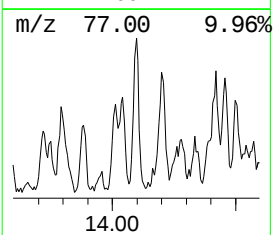
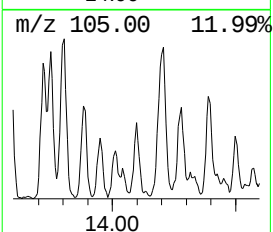
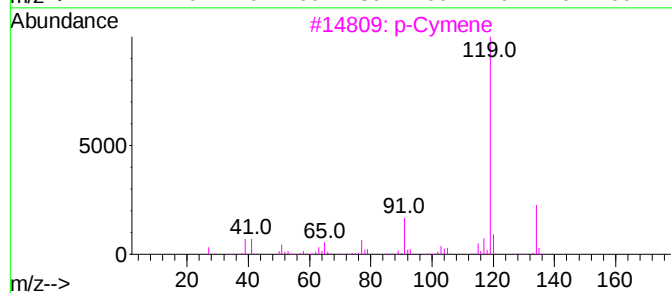
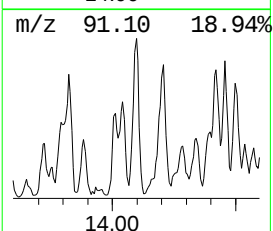
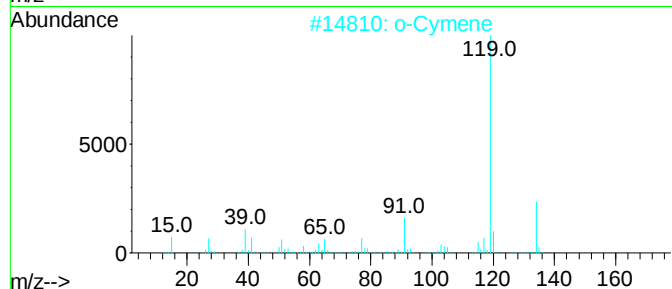
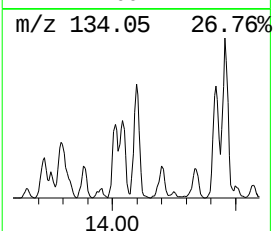
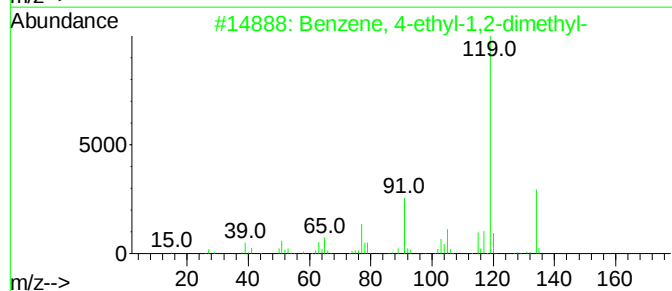
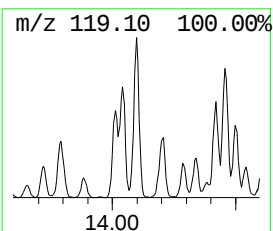
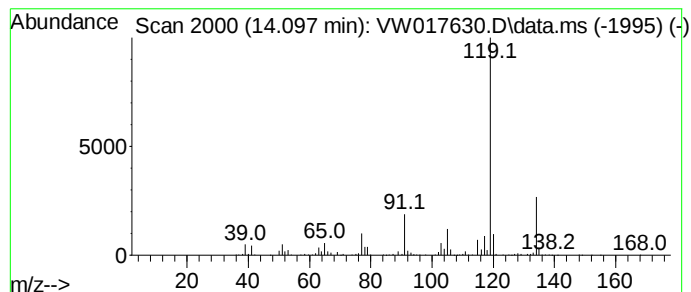
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
Quant Title : SW846 8260

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

Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	10.85 ug/l	200975	1,4-Dichlorobenzene-d4	13.560

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		o-Cymene	134	C10H14	000527-84-4	95
3		p-Cymene	134	C10H14	000099-87-6	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



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ALS Vial : 5 Sample Multiplier: 1

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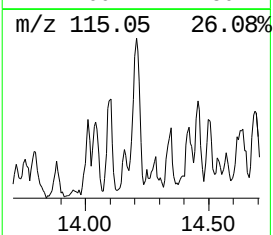
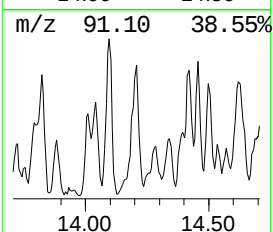
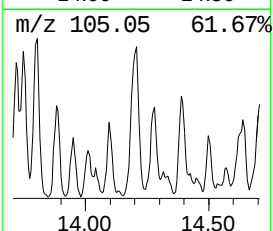
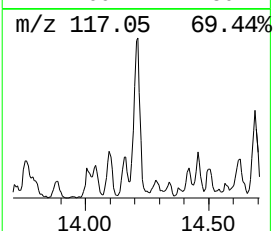
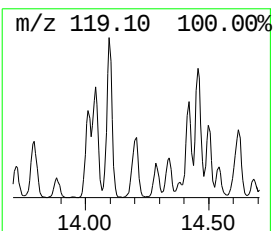
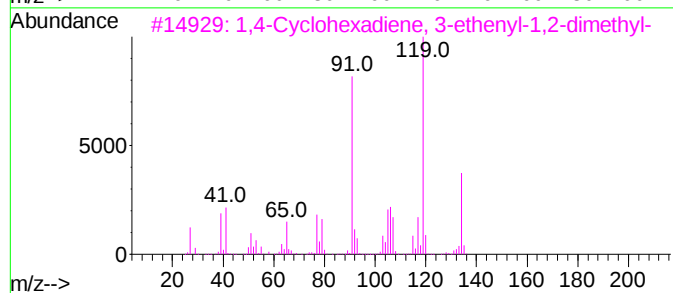
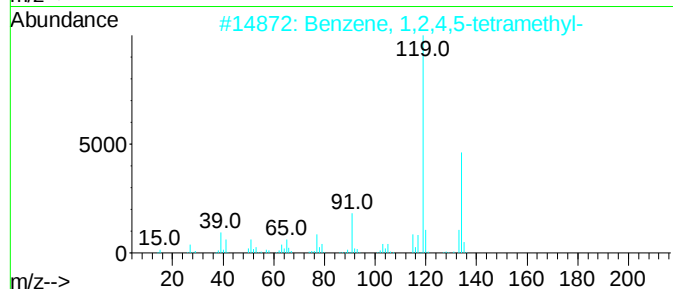
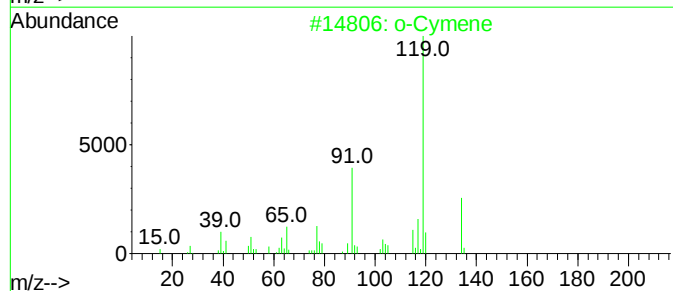
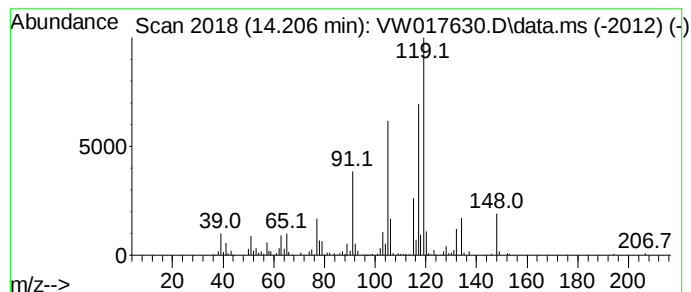
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	9.70 ug/l	179715	1,4-Dichlorobenzene-d4	13.560

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		o-Cymene	134	C10H14	000527-84-4	55
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	49
3		1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	47
4		p-Cymene	134	C10H14	000099-87-6	46
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46



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Instrument :
MSVOA_W
ClientSampleId :
JBD-IB-08-3.0-5.0

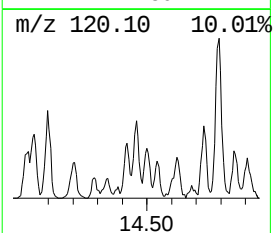
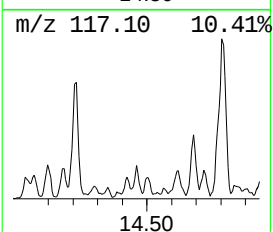
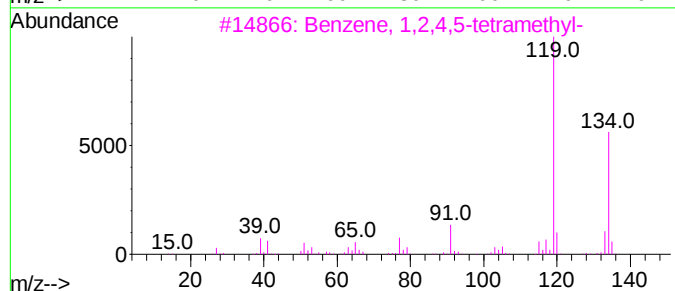
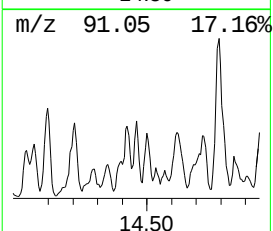
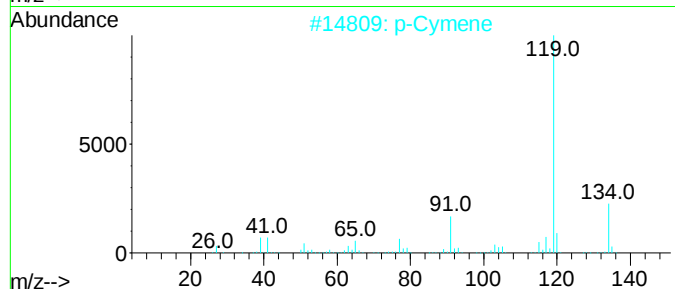
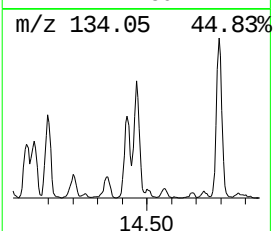
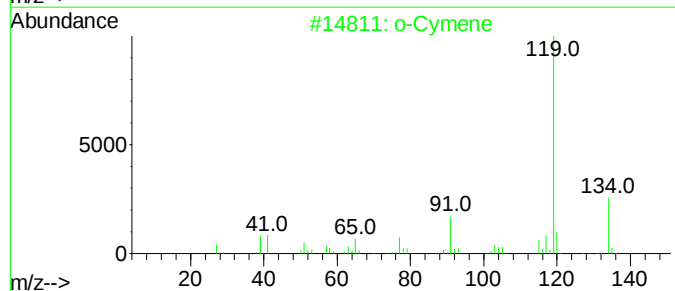
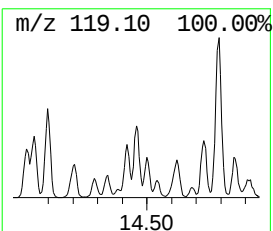
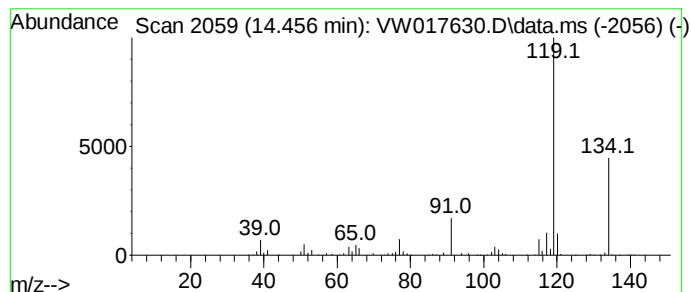
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Quant Title : SW846 8260

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

Peak Number 5 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	6.86 ug/l	127006	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	p-Cymene	134	C10H14	000099-87-6	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
Data File : VW017630.D
Acq On : 15 Dec 2020 13:38
Operator : SY/VA
Sample : L5010-04
Misc : 3.20G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JBD-IB-08-3.0-5.0

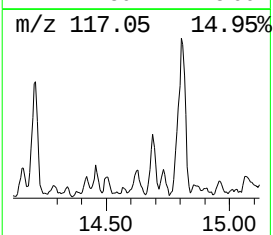
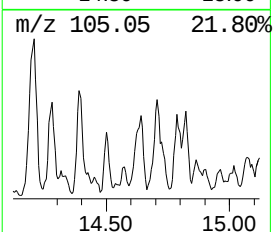
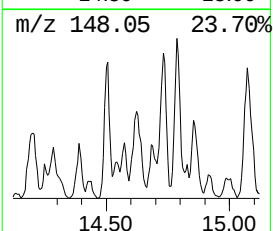
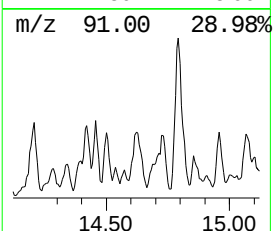
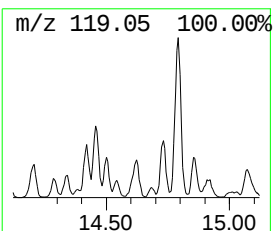
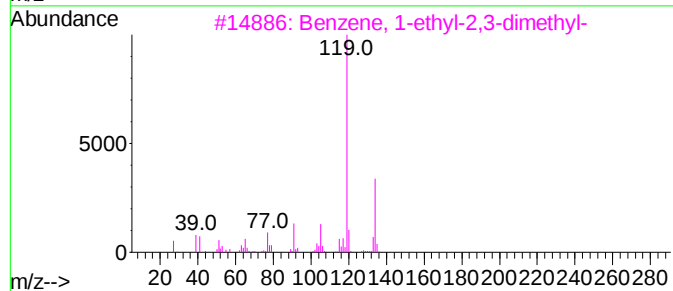
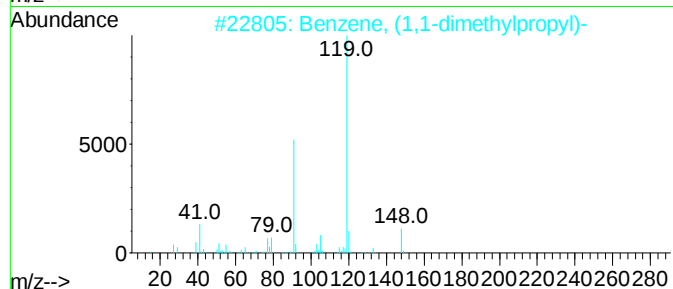
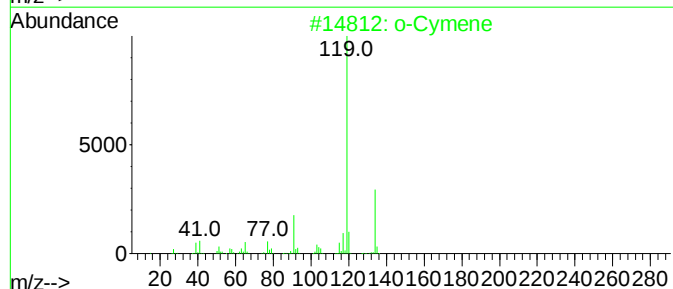
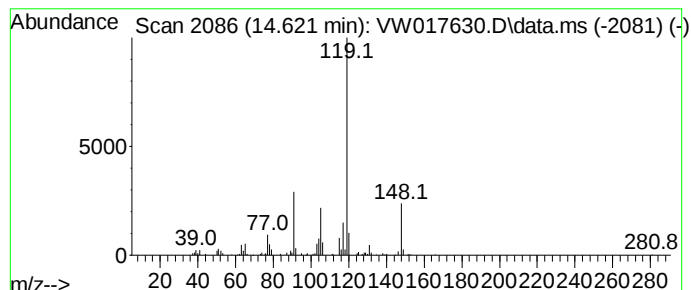
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, (1,1-dimethylpropyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.621	7.53 ug/l	139476	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	59
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	53
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
Data File : VW017630.D
Acq On : 15 Dec 2020 13:38
Operator : SY/VA
Sample : L5010-04
Misc : 3.20G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JBD-IB-08-3.0-5.0

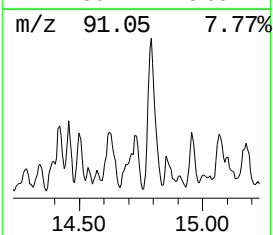
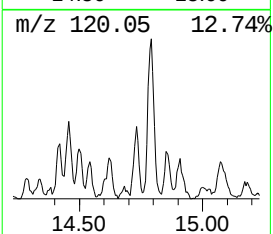
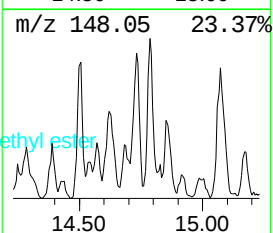
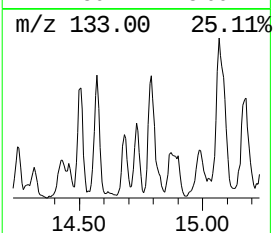
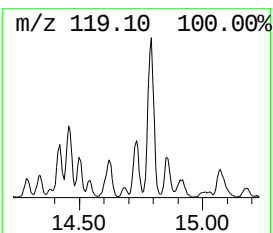
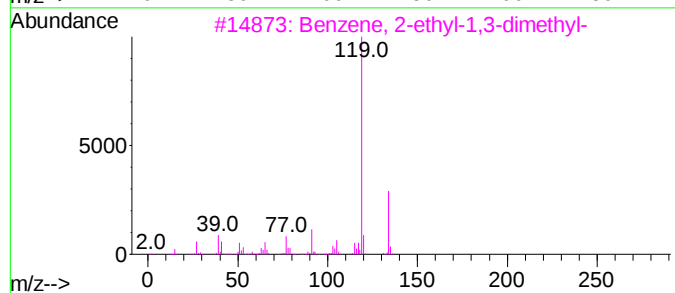
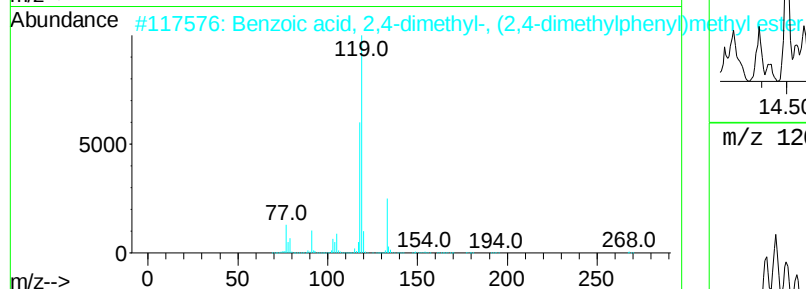
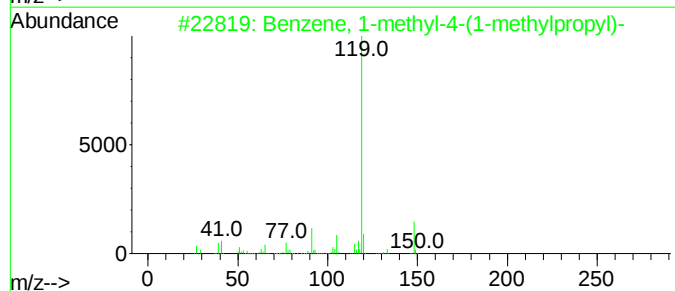
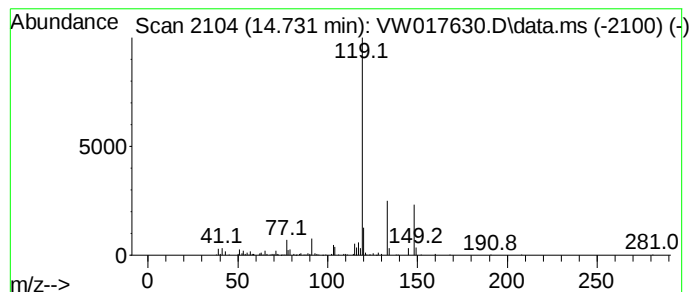
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-methyl-4-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	7.66 ug/l	141820	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
2			Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	64
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	58
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	58
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
Data File : VW017630.D
Acq On : 15 Dec 2020 13:38
Operator : SY/VA
Sample : L5010-04
Misc : 3.20G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JBD-IB-08-3.0-5.0

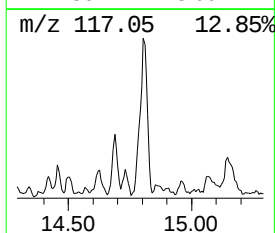
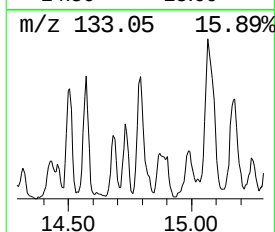
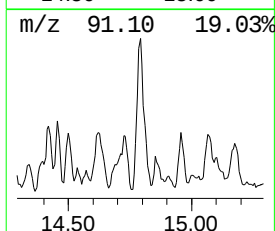
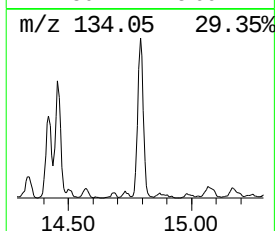
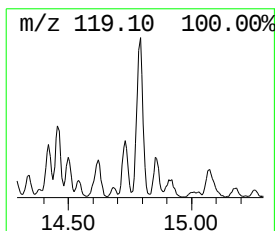
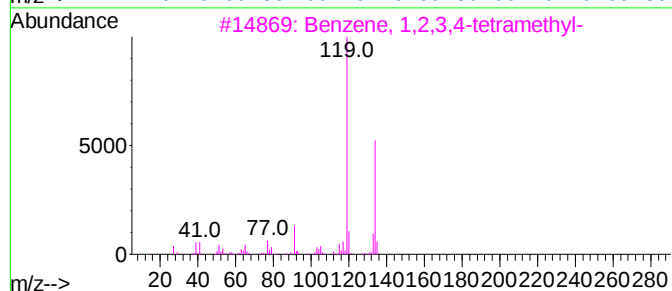
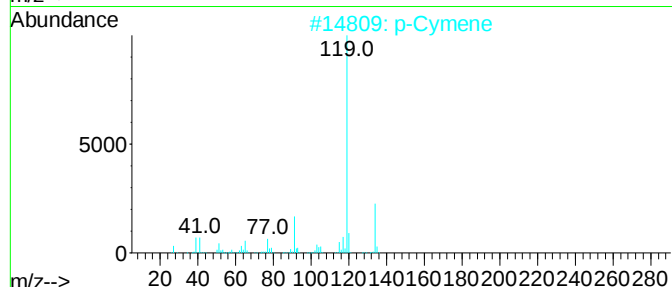
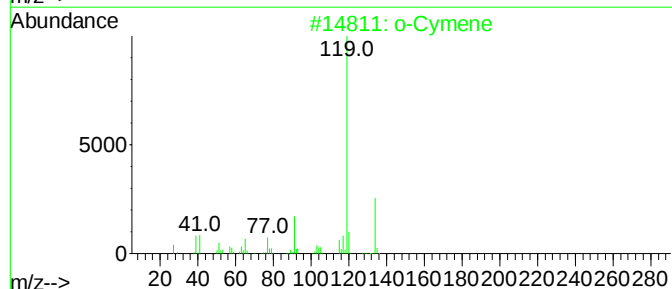
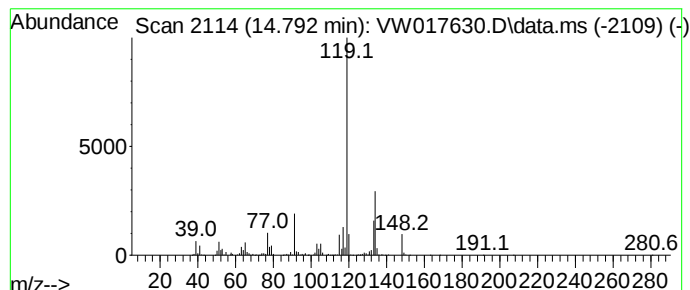
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	28.15 ug/l	521284	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	94
2			p-Cymene	134	C10H14	000099-87-6	91
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
Data File : VW017630.D
Acq On : 15 Dec 2020 13:38
Operator : SY/VA
Sample : L5010-04
Misc : 3.20G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JBD-IB-08-3.0-5.0

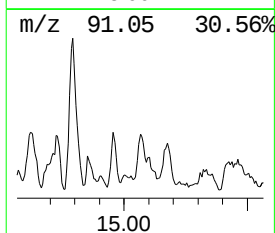
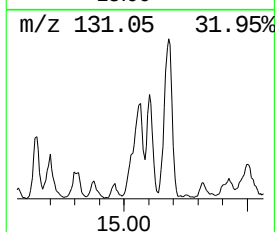
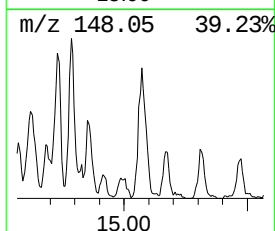
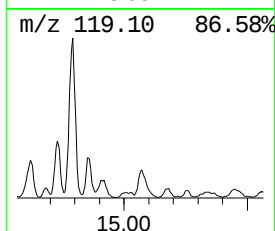
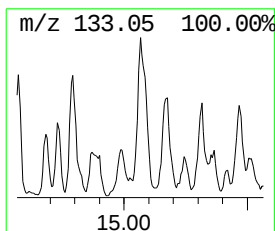
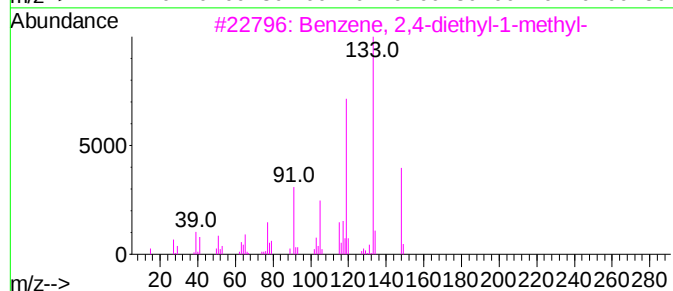
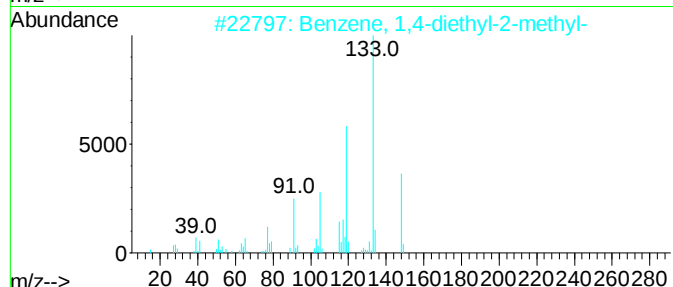
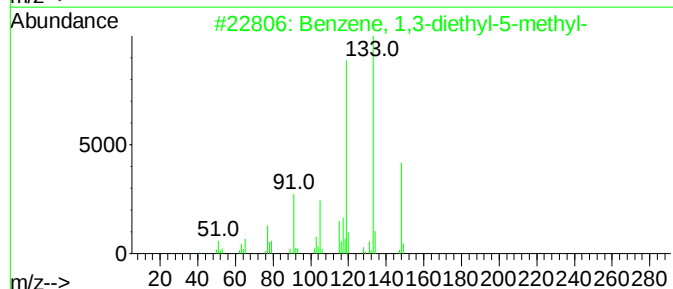
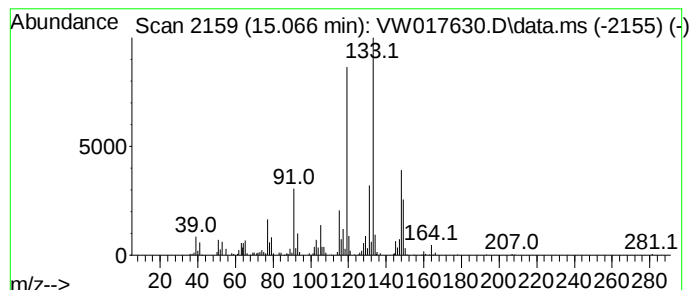
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.066	17.81 ug/l	329786	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	74
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	68
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	58
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	46
5	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
Data File : VW017630.D
Acq On : 15 Dec 2020 13:38
Operator : SY/VA
Sample : L5010-04
Misc : 3.20G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JBD-IB-08-3.0-5.0

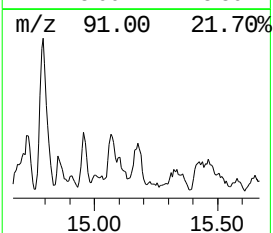
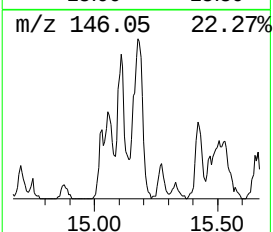
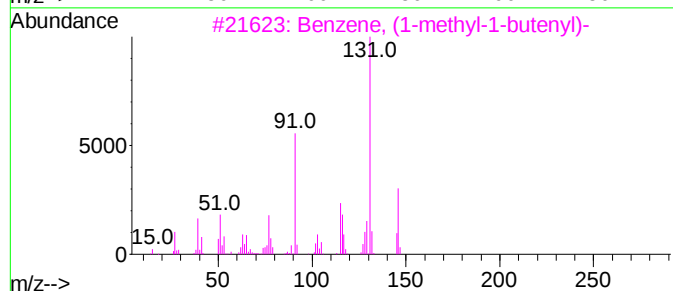
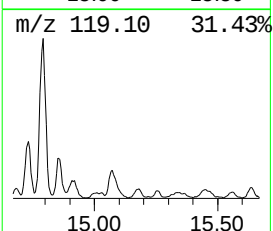
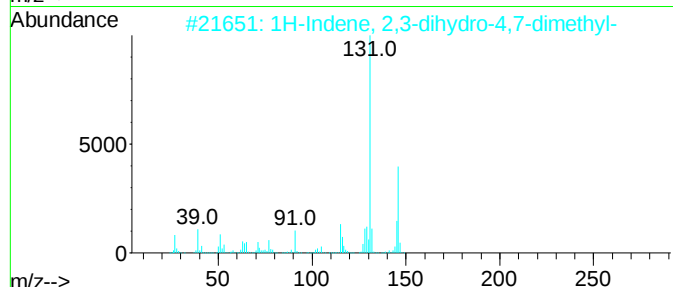
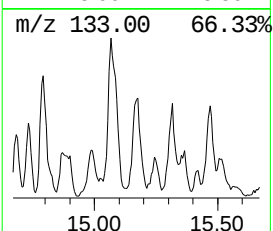
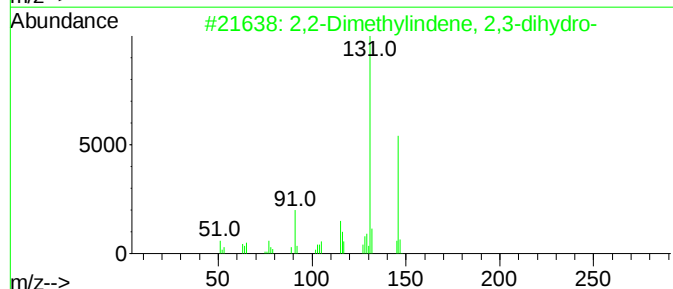
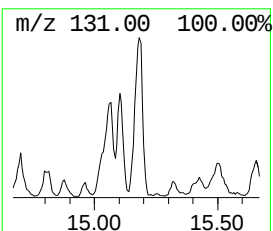
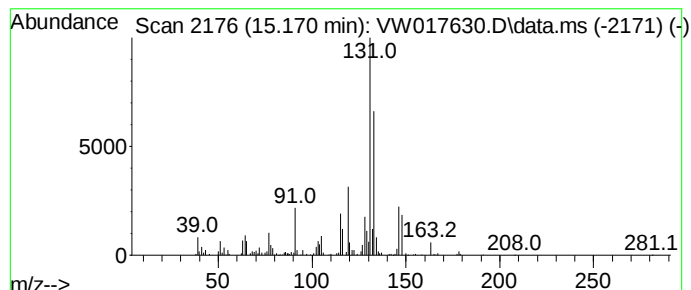
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82w121420S.M
Quant Title : SW846 8260

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

Peak Number 10 2,2-Dimethylindene, 2,3-dih... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	11.39 ug/l	210999	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	78
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121520\
Data File : VW017630.D
Acq On : 15 Dec 2020 13:38
Operator : SY/VA
Sample : L5010-04
Misc : 3.20G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JBD-IB-08-3.0-5.0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---			
					#	RT	Resp	Conc
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Naphthalene, de...	13.883	10.1	ug/l	186862	4	13.560	926054	50.0
Benzene, 4-ethy...	14.097	10.9	ug/l	200975	4	13.560	926054	50.0
o-Cymene	14.207	9.7	ug/l	179715	4	13.560	926054	50.0
p-Cymene	14.457	6.9	ug/l	127006	4	13.560	926054	50.0
Benzene, (1,1-d...	14.621	7.5	ug/l	139476	4	13.560	926054	50.0
Benzene, 1-meth...	14.731	7.7	ug/l	141820	4	13.560	926054	50.0
Benzene, 1,2,3,...	14.792	28.1	ug/l	521284	4	13.560	926054	50.0
Benzene, 1,3-di...	15.066	17.8	ug/l	329786	4	13.560	926054	50.0
2,2-Dimethylind...	15.170	11.4	ug/l	210999	4	13.560	926054	50.0