

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
 Data File : VX011402.D
 Acq On : 09 Aug 2019 12:12
 Operator : JC/SP
 Sample : K4251-05 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-FD-0819

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.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	5.494	699	712	724	rBV	95973	281175	9.82%	2.284%
2	5.653	727	738	752	rVV	183213	517329	18.07%	4.203%
3	6.055	792	804	816	rBV	100544	268599	9.38%	2.182%
4	6.854	923	935	949	rBV	255111	612568	21.39%	4.977%
5	8.713	1233	1240	1249	rVB	518043	817820	28.56%	6.644%
6	10.109	1463	1469	1475	rBV	535478	718488	25.09%	5.837%
7	10.250	1486	1492	1500	rBV	85009	116201	4.06%	0.944%
8	10.359	1500	1510	1515	rVV	97675	144603	5.05%	1.175%
9	10.640	1544	1556	1563	rBV7	12795	38492	1.34%	0.313%
10	10.835	1579	1588	1592	rBV3	24969	40661	1.42%	0.330%
11	10.908	1596	1600	1605	rBV3	23191	37540	1.31%	0.305%
12	11.012	1612	1617	1622	rBV	126017	167727	5.86%	1.363%
13	11.134	1632	1637	1642	rBV	476410	588926	20.57%	4.784%
14	11.274	1651	1660	1666	rVB4	18092	31394	1.10%	0.255%
15	11.359	1668	1674	1681	rVV	233242	299429	10.46%	2.433%
16	11.451	1681	1689	1693	rVV	252247	430339	15.03%	3.496%
17	11.505	1693	1698	1706	rVB	311822	392112	13.69%	3.186%
18	11.670	1720	1725	1732	rBV4	16526	30300	1.06%	0.246%
19	11.768	1737	1741	1742	rVV	25884	29717	1.04%	0.241%
20	11.804	1742	1747	1757	rVB	2409624	2863404	100.00%	23.262%
21	11.920	1757	1766	1767	rBV	33032	48950	1.71%	0.398%
22	11.944	1767	1770	1775	rVB	68919	85700	2.99%	0.696%
23	12.024	1780	1783	1786	rVV	37339	43754	1.53%	0.355%
24	12.072	1786	1791	1797	rVB2	619779	845761	29.54%	6.871%
25	12.140	1797	1802	1808	rBV	732161	879376	30.71%	7.144%
26	12.231	1813	1817	1822	rVB	32783	42333	1.48%	0.344%
27	12.298	1822	1828	1835	rBV	276484	400413	13.98%	3.253%
28	12.371	1835	1840	1847	rVB3	143639	254538	8.89%	2.068%
29	12.457	1847	1854	1860	rBV	37764	56751	1.98%	0.461%
30	12.585	1870	1875	1877	rBV	105171	144481	5.05%	1.174%
31	12.609	1877	1879	1883	rVV	119038	122536	4.28%	0.995%
32	12.664	1883	1888	1891	rVV	152473	181039	6.32%	1.471%
33	12.700	1891	1894	1898	rVV	48101	61452	2.15%	0.499%
34	12.755	1898	1903	1910	rVV3	114368	197023	6.88%	1.601%

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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

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Title : SW846 8260

35	12.902	1922	1927	1932	rVB2	57321	79794	2.79%	0.648%
36	12.975	1932	1939	1942	rVV	61433	85319	2.98%	0.693%
37	13.017	1942	1946	1952	rVB	104305	130919	4.57%	1.064%
38	13.341	1995	1999	2005	rVB2	110697	157542	5.50%	1.280%
39	13.475	2017	2021	2028	rVB2	24470	32724	1.14%	0.266%
40	13.834	2075	2080	2088	rVB	19975	31873	1.11%	0.259%

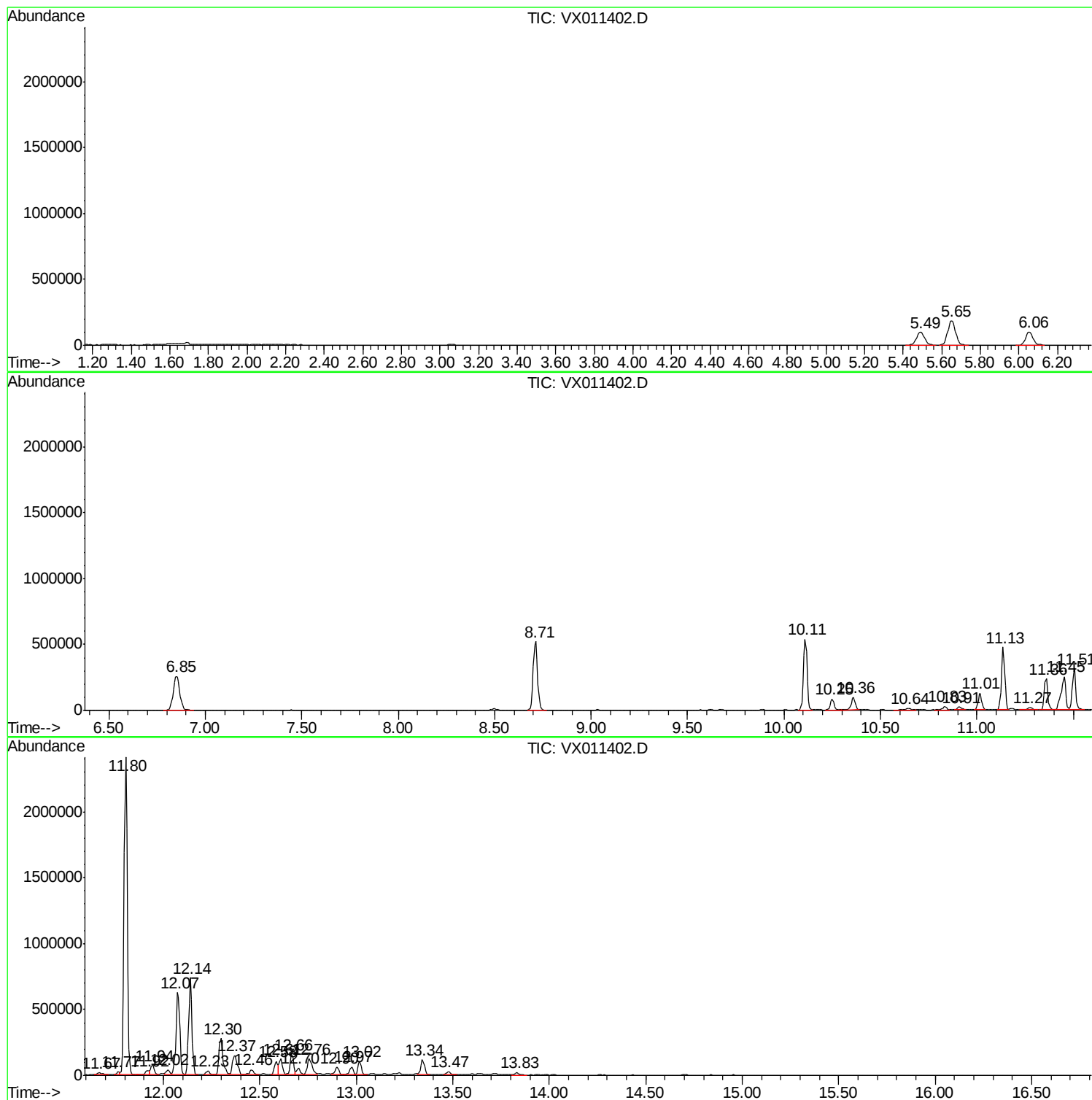
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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



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Instrument :
MSVOA_X
ClientSampled :
EP1-MW-FD-0819

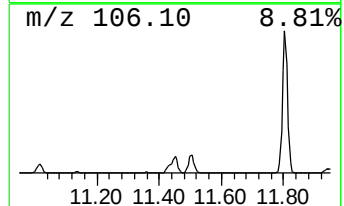
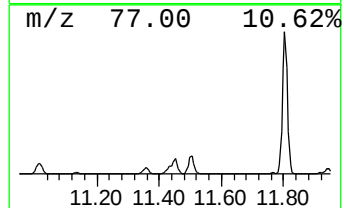
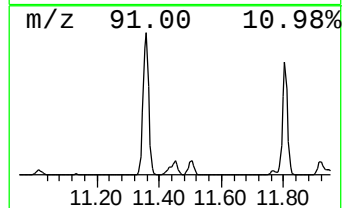
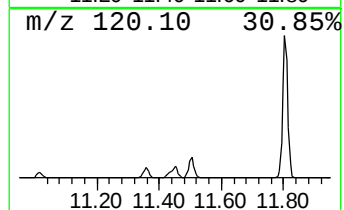
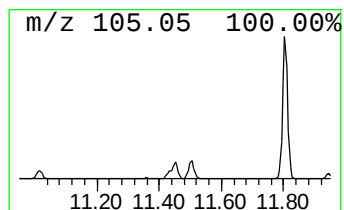
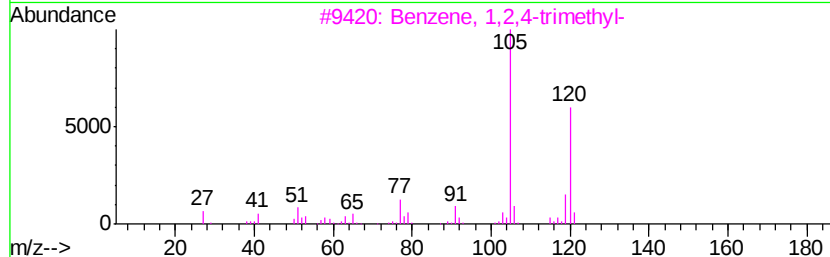
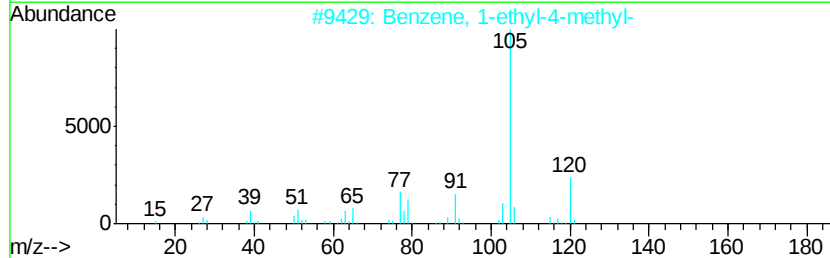
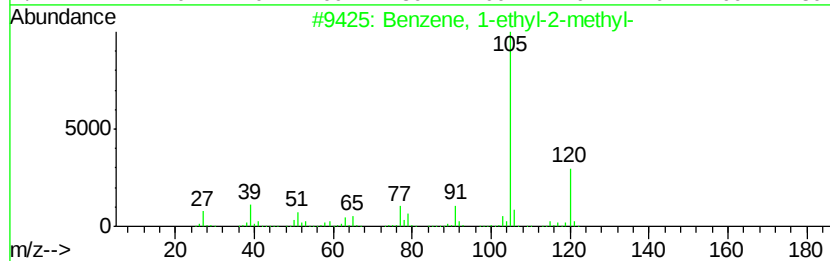
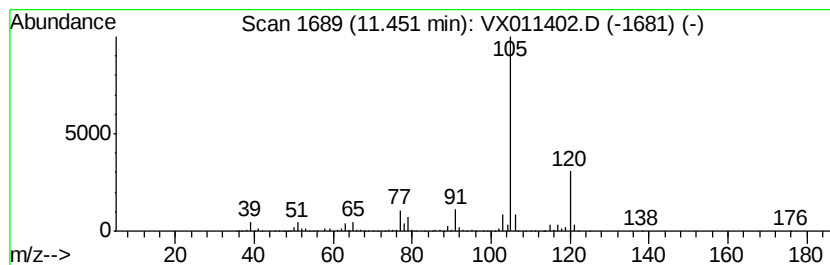
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	25.44 ug/l	430339	1,4-Dichlorobenzene-d4	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5		Mesitylene	120	C9H12	000108-67-8	90



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Instrument :
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ClientSampleId :
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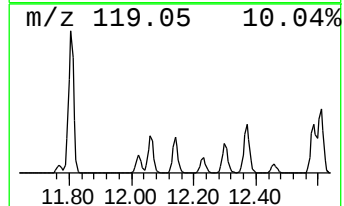
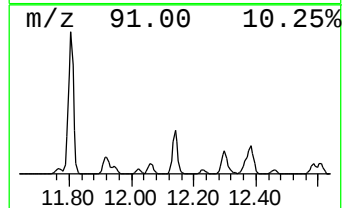
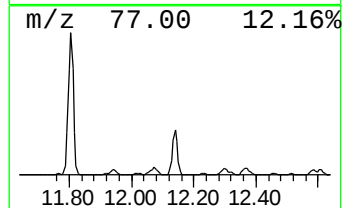
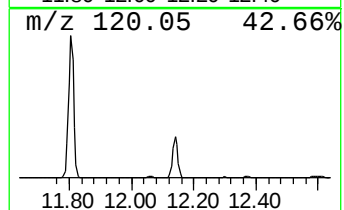
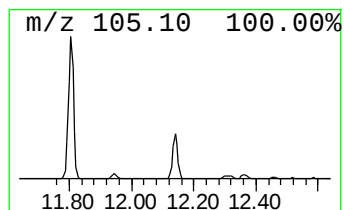
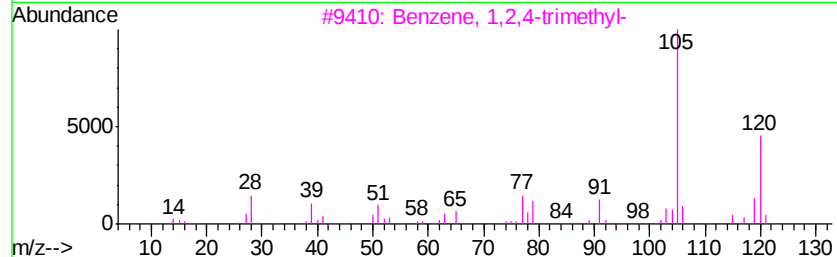
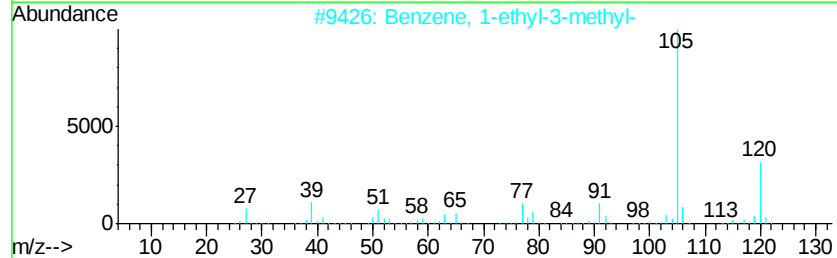
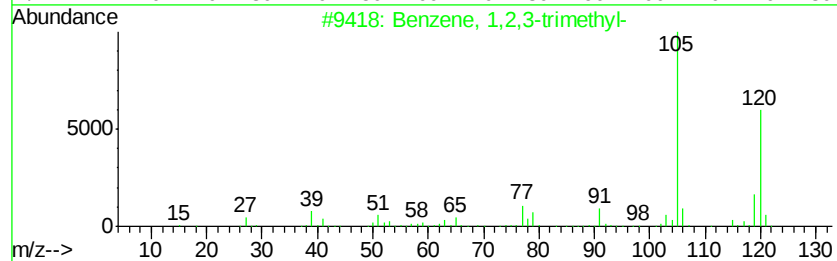
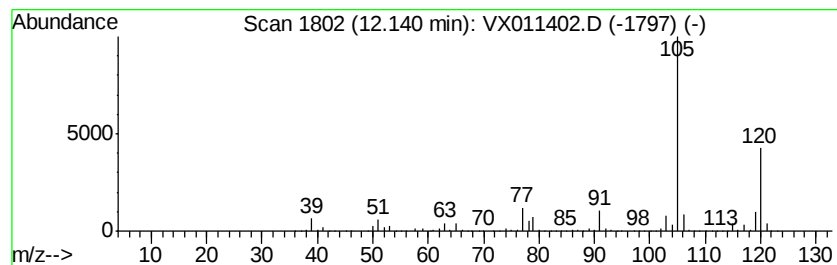
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	51.99 ug/l	879376	1,4-Dichlorobenzene-d4	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



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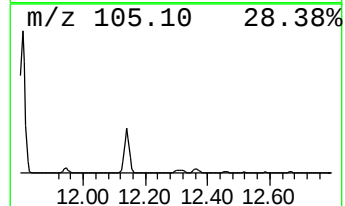
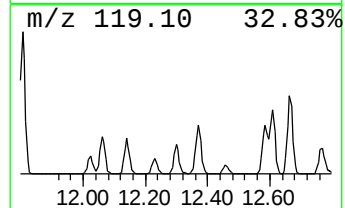
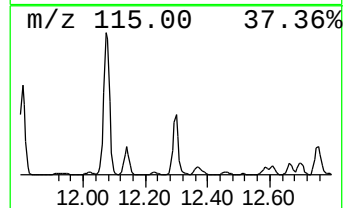
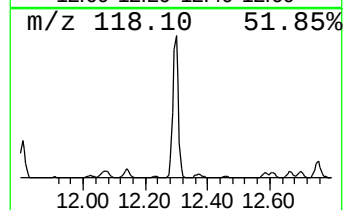
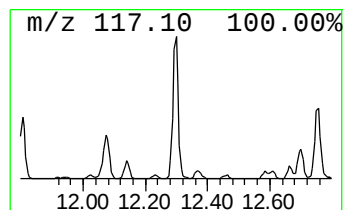
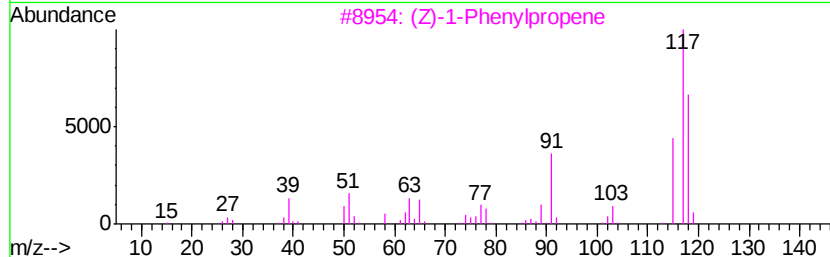
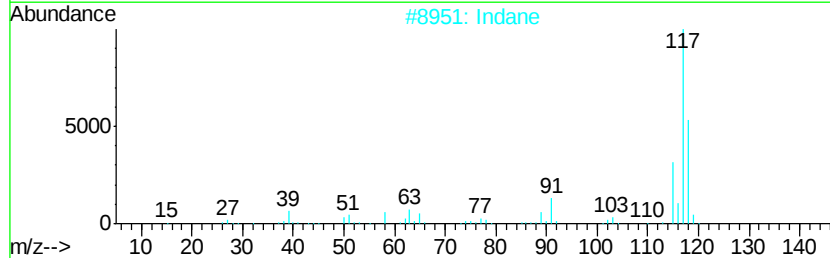
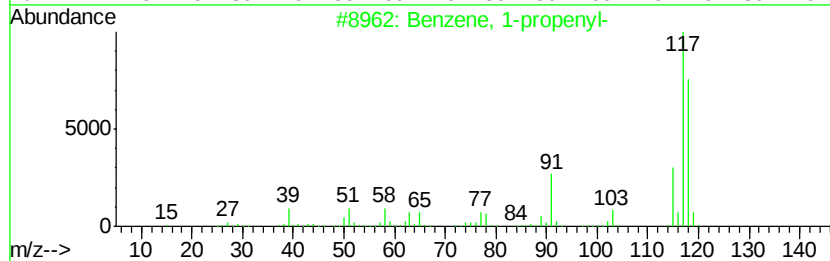
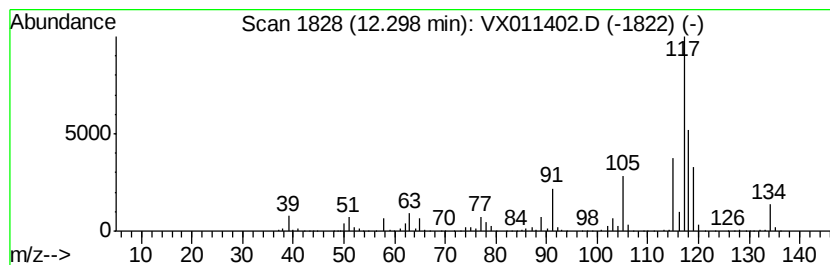
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

Peak Number 3 Benzene, 1-propenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	23.67 ug/l	400413	1,4-Dichlorobenzene-d4	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
2		Indane	118	C9H10	000496-11-7	70
3		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	64



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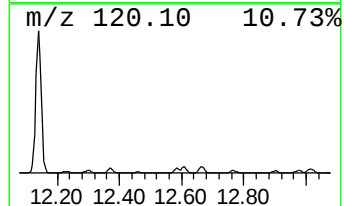
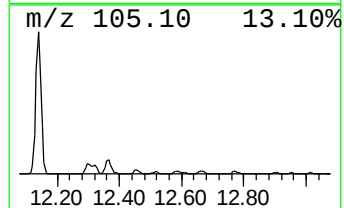
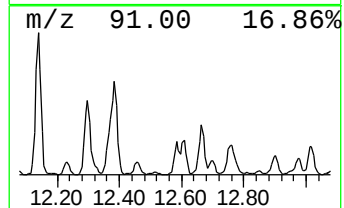
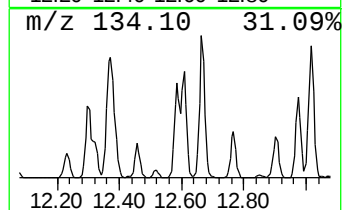
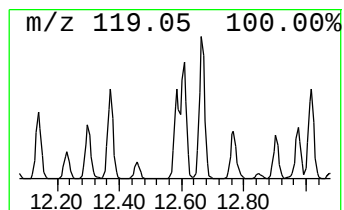
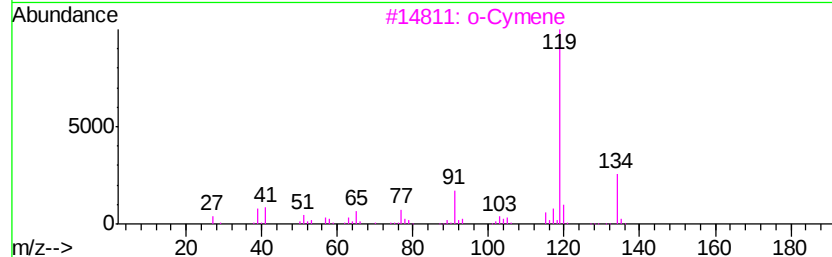
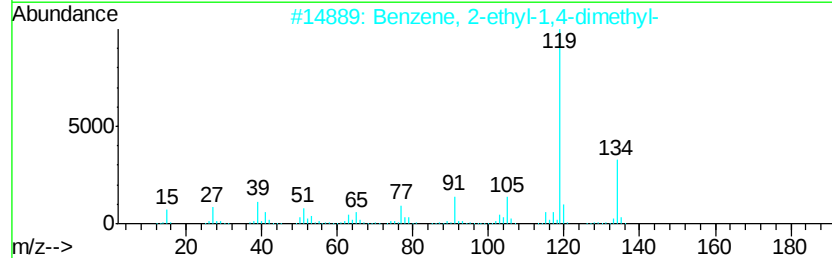
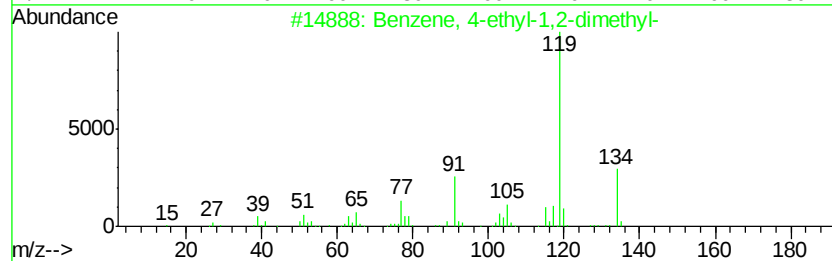
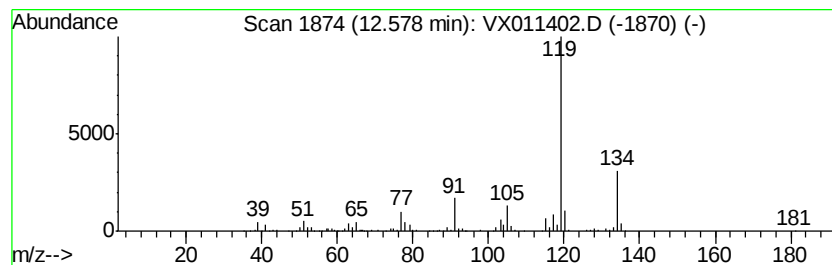
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	8.54 ug/l	144481	1,4-Dichlorobenzene-d4	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



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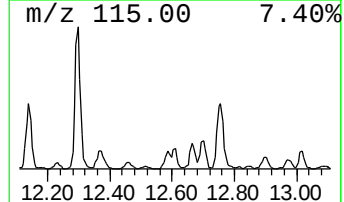
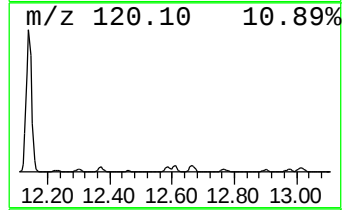
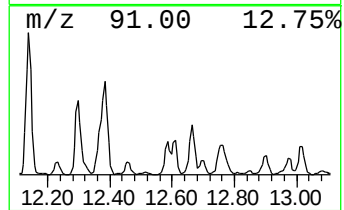
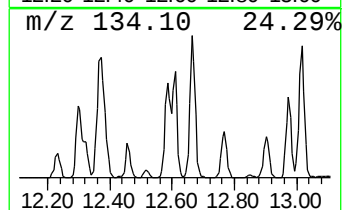
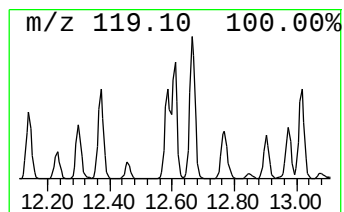
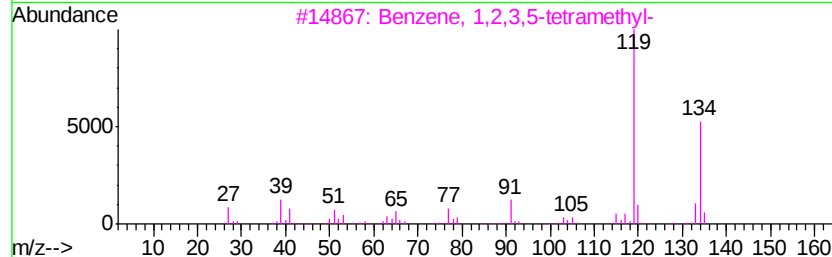
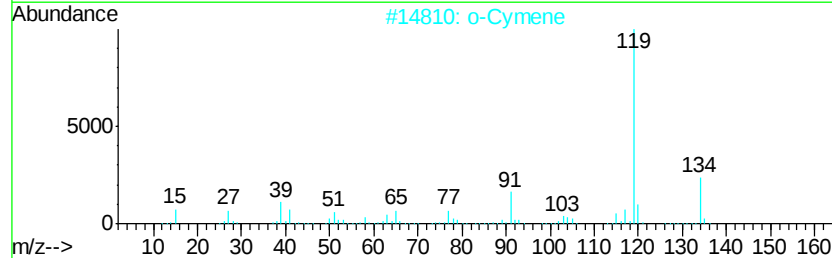
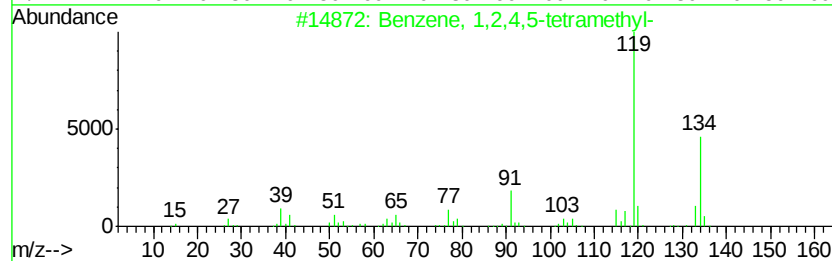
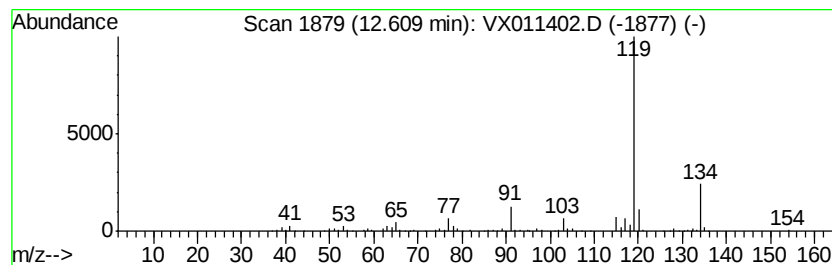
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	7.24 ug/l	122536	1,4-Dichlorobenzene-d4	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2		o-Cymene	134	C10H14	000527-84-4	91
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011402.D
Acq On : 09 Aug 2019 12:12
Operator : JC/SP
Sample : K4251-05 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

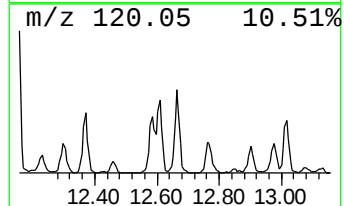
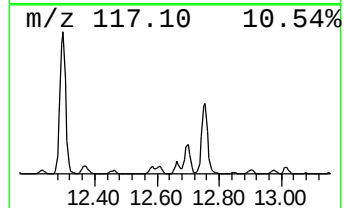
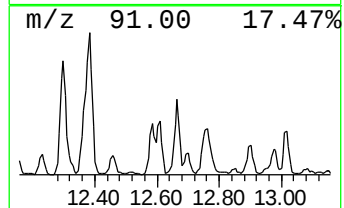
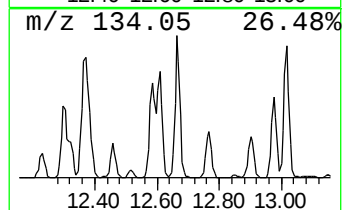
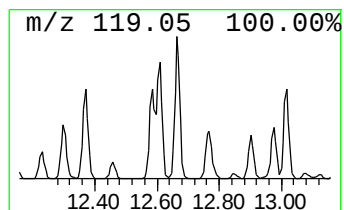
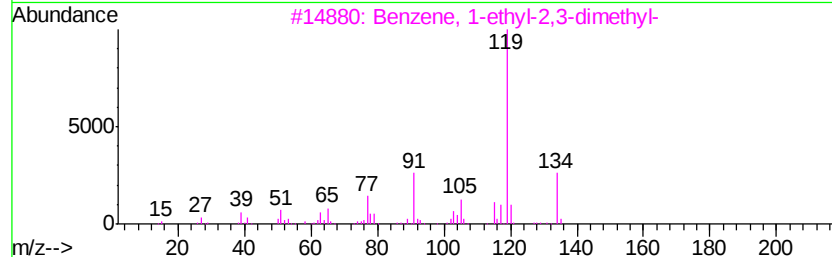
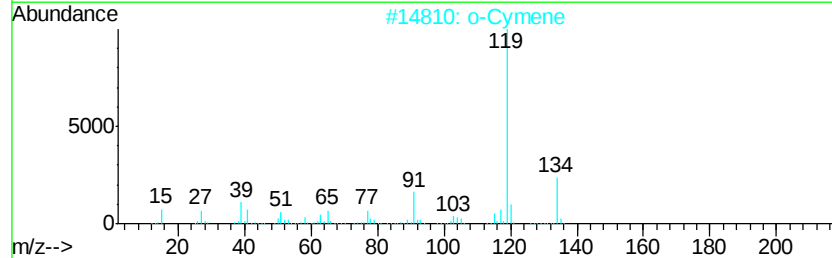
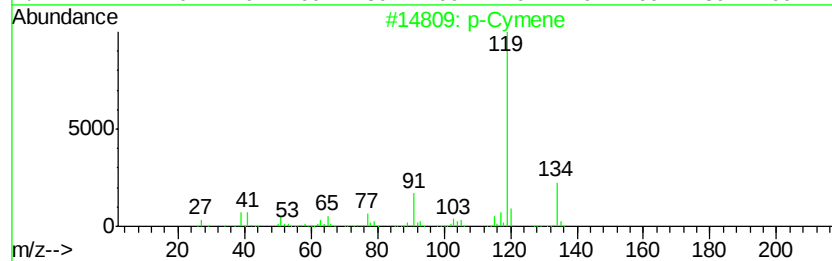
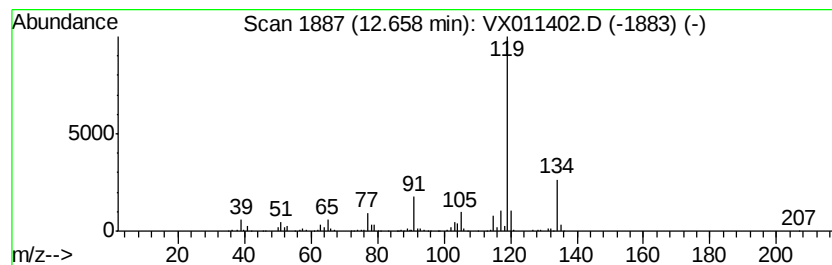
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

Peak Number 6 p-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	10.70 ug/l	181039	1,4-Dichlorobenzene-d4	12.08
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	p-Cymene	134 C10H14	000099-87-6	97
2	o-Cymene	134 C10H14	000527-84-4	97
3	Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2	96
4	Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011402.D
Acq On : 09 Aug 2019 12:12
Operator : JC/SP
Sample : K4251-05 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

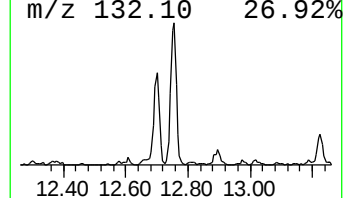
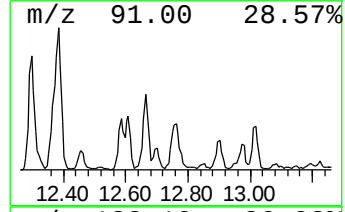
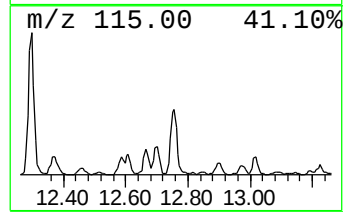
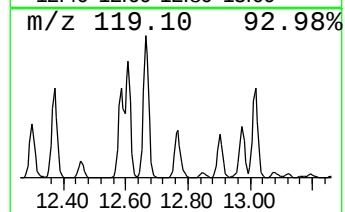
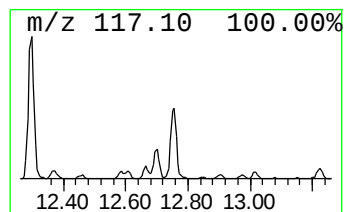
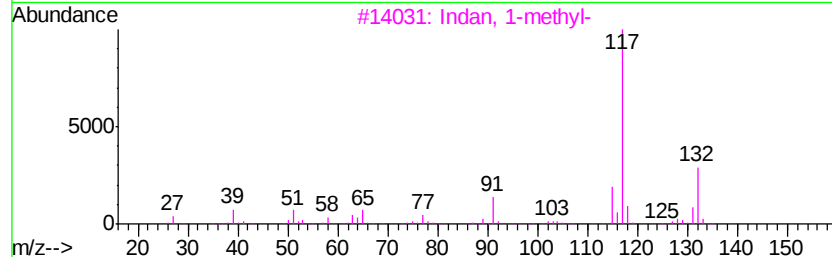
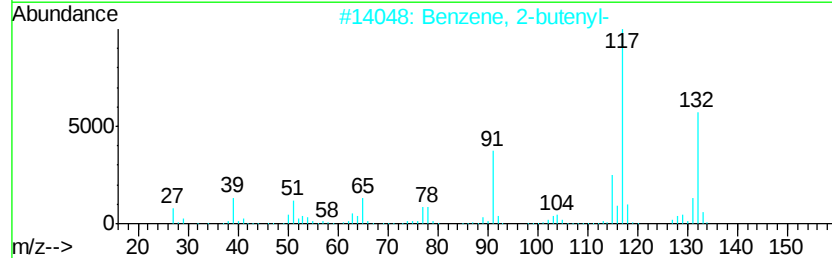
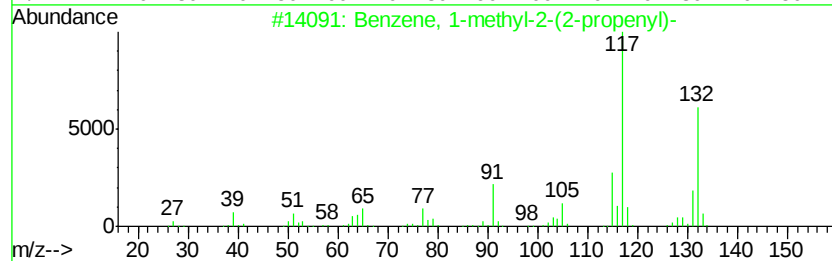
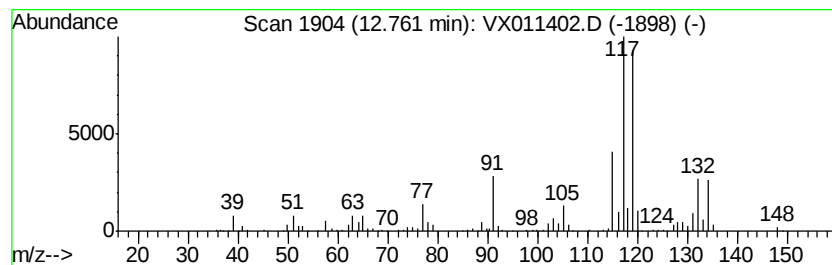
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	11.65 ug/l	197023	1,4-Dichlorobenzene-d4	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
3		Indan, 1-methyl-	132	C10H12	000767-58-8	81
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011402.D
Acq On : 09 Aug 2019 12:12
Operator : JC/SP
Sample : K4251-05 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

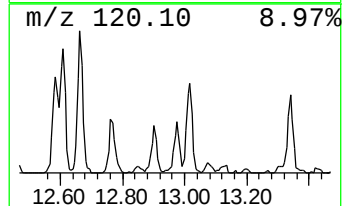
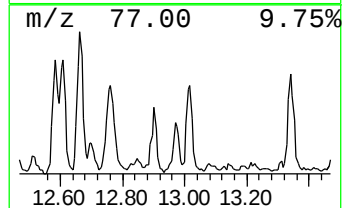
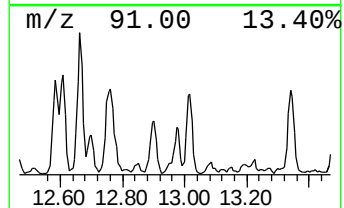
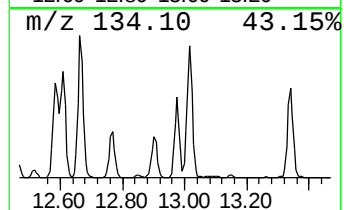
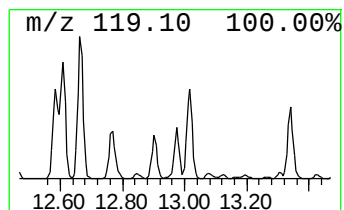
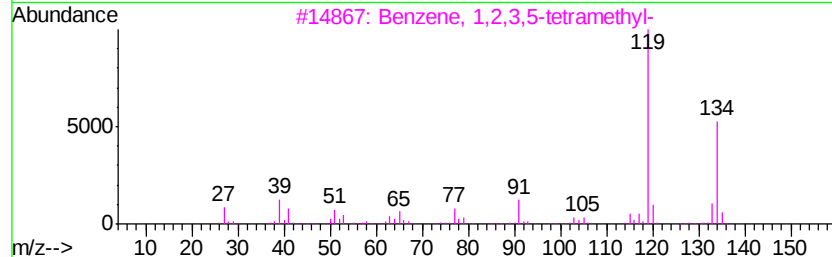
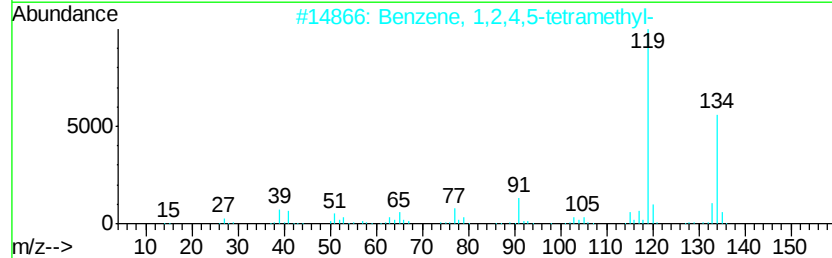
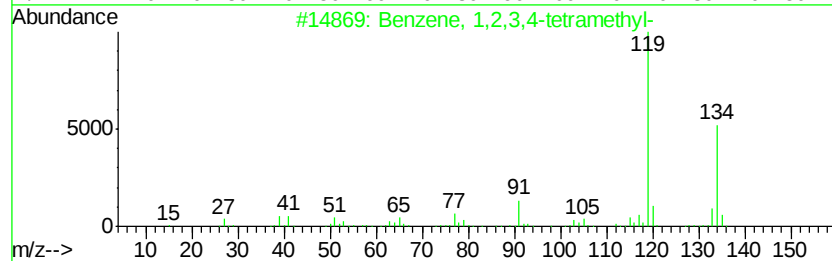
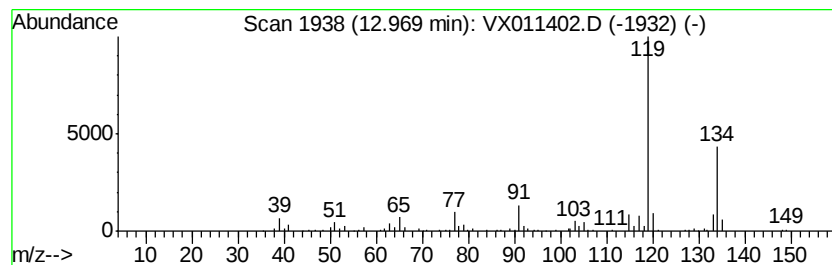
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	5.04 ug/l	85319	1,4-Dichlorobenzene-d4	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		o-Cymene	134	C10H14	000527-84-4	93
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011402.D
Acq On : 09 Aug 2019 12:12
Operator : JC/SP
Sample : K4251-05 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

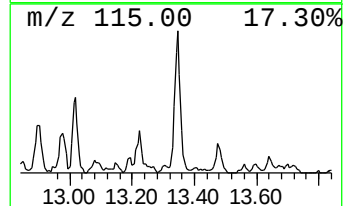
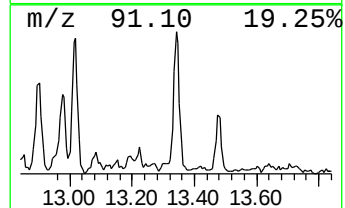
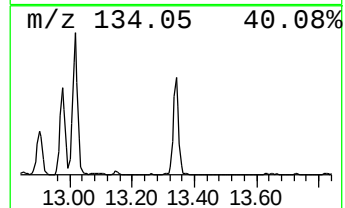
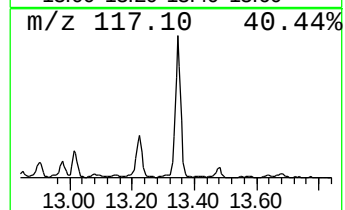
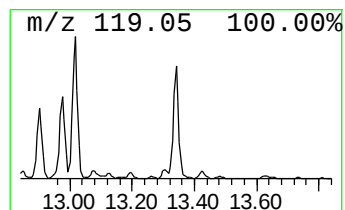
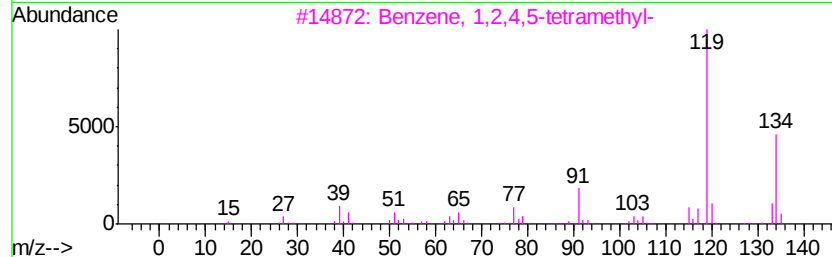
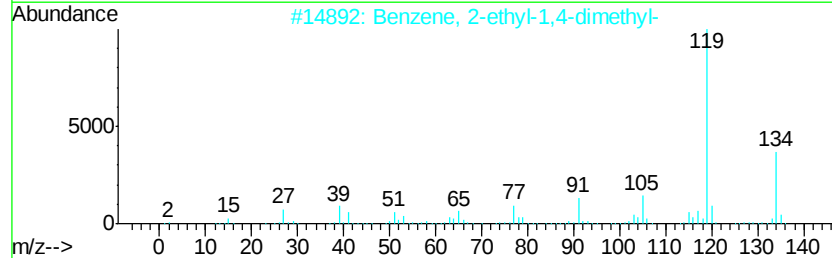
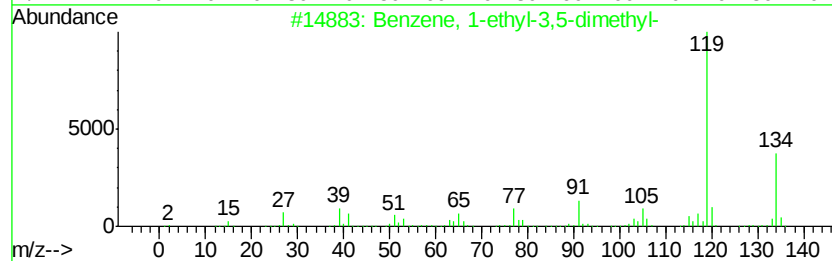
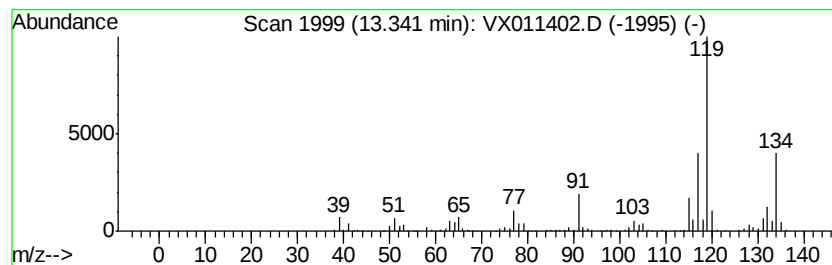
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	9.31 ug/l	157542	1,4-Dichlorobenzene-d4	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
5		o-Cymene	134	C10H14	000527-84-4	70



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011402.D
Acq On : 09 Aug 2019 12:12
Operator : JC/SP
Sample : K4251-05 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.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
Benzene, 1-ethyl-...	11.45	25.4	ug/l	430339	4	12.08	845761	50.0
Benzene, 1,2,3-tr...	12.14	52.0	ug/l	879376	4	12.08	845761	50.0
Benzene, 1-propenyl-	12.30	23.7	ug/l	400413	4	12.08	845761	50.0
Benzene, 4-ethyl-...	12.58	8.5	ug/l	144481	4	12.08	845761	50.0
Benzene, 1,2,4,5-...	12.61	7.2	ug/l	122536	4	12.08	845761	50.0
p-Cymene	12.66	10.7	ug/l	181039	4	12.08	845761	50.0
Benzene, 1-methyl...	12.76	11.7	ug/l	197023	4	12.08	845761	50.0
Benzene, 1,2,3,4-...	12.97	5.0	ug/l	85319	4	12.08	845761	50.0
Benzene, 1-ethyl-...	13.34	9.3	ug/l	157542	4	12.08	845761	50.0