

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013481.D
 Acq On : 20 Nov 2019 16:45
 Operator : JC/SP
 Sample : K5958-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

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\82X103119W.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	1.070	26	30	39	rBV	2758565	3343635	2.02%	0.534%
2	5.649	772	781	793	rVB	684083	1877943	1.14%	0.300%
3	6.850	968	978	989	rBV	1097800	2572421	1.55%	0.411%
4	8.709	1278	1283	1290	rVB	2378258	3675286	2.22%	0.587%
5	10.111	1508	1513	1518	rVB	2188260	2991934	1.81%	0.478%
6	10.245	1529	1535	1541	rBV	13402899	17626428	10.65%	2.818%
7	10.355	1541	1553	1559	rBV	15170127	21064164	12.73%	3.367%
8	10.642	1587	1600	1605	rBV3	841536	1967656	1.19%	0.315%
9	10.831	1622	1631	1636	rBV2	1929092	2963997	1.79%	0.474%
10	10.910	1636	1644	1648	rBV3	1651202	2742952	1.66%	0.438%
11	11.014	1656	1661	1666	rBV	11289500	14095822	8.52%	2.253%
12	11.135	1675	1681	1685	rVB	2266148	2886837	1.74%	0.461%
13	11.355	1712	1717	1722	rBV	19859947	24897027	15.05%	3.980%
14	11.434	1725	1730	1732	rBV	22383676	33259229	20.10%	5.316%
15	11.507	1737	1742	1750	rVB	32123955	41616865	25.16%	6.652%
16	11.666	1763	1768	1776	rBV	6763933	8927277	5.40%	1.427%
17	11.769	1781	1785	1787	rVV	2009542	2802937	1.69%	0.448%
18	11.818	1787	1793	1797	rVV3	109727804	165441126	100.00%	26.445%
19	11.916	1801	1809	1811	rBV	2558167	3789164	2.29%	0.606%
20	11.940	1811	1813	1818	rVB	4970566	6046645	3.65%	0.967%
21	12.026	1823	1827	1830	rVV	4547976	5633028	3.40%	0.900%
22	12.068	1830	1834	1840	rVB3	6288599	9528390	5.76%	1.523%
23	12.141	1840	1846	1851	rBV2	54340800	75258299	45.49%	12.030%
24	12.227	1856	1860	1866	rVB	2195453	2821583	1.71%	0.451%
25	12.300	1866	1872	1879	rBV2	20444556	32166396	19.44%	5.142%
26	12.367	1879	1883	1891	rVB3	13527147	22097164	13.36%	3.532%
27	12.458	1891	1898	1903	rBV	2813662	3725149	2.25%	0.595%
28	12.513	1903	1907	1913	rVB	3092701	3832494	2.32%	0.613%
29	12.580	1913	1918	1920	rBV	8248722	10459995	6.32%	1.672%
30	12.605	1920	1922	1927	rVV	9106358	10509720	6.35%	1.680%
31	12.666	1927	1932	1935	rVV	11905647	13787031	8.33%	2.204%
32	12.696	1935	1937	1942	rVB	3699026	4165835	2.52%	0.666%
33	12.757	1942	1947	1954	rBV3	8563943	14825519	8.96%	2.370%
34	12.897	1965	1970	1975	rVB2	4796008	6392984	3.86%	1.022%

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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	12.970	1975	1982	1986	rBV	4918364	7040344	4.26%	1.125%
36	13.013	1986	1989	1995	rVB	8442474	9876055	5.97%	1.579%
37	13.342	2038	2043	2049	rVB2	9933252	13758547	8.32%	2.199%
38	13.477	2060	2065	2070	rVB	4616074	5549322	3.35%	0.887%
39	13.830	2115	2123	2130	rVB	7645479	9580981	5.79%	1.531%

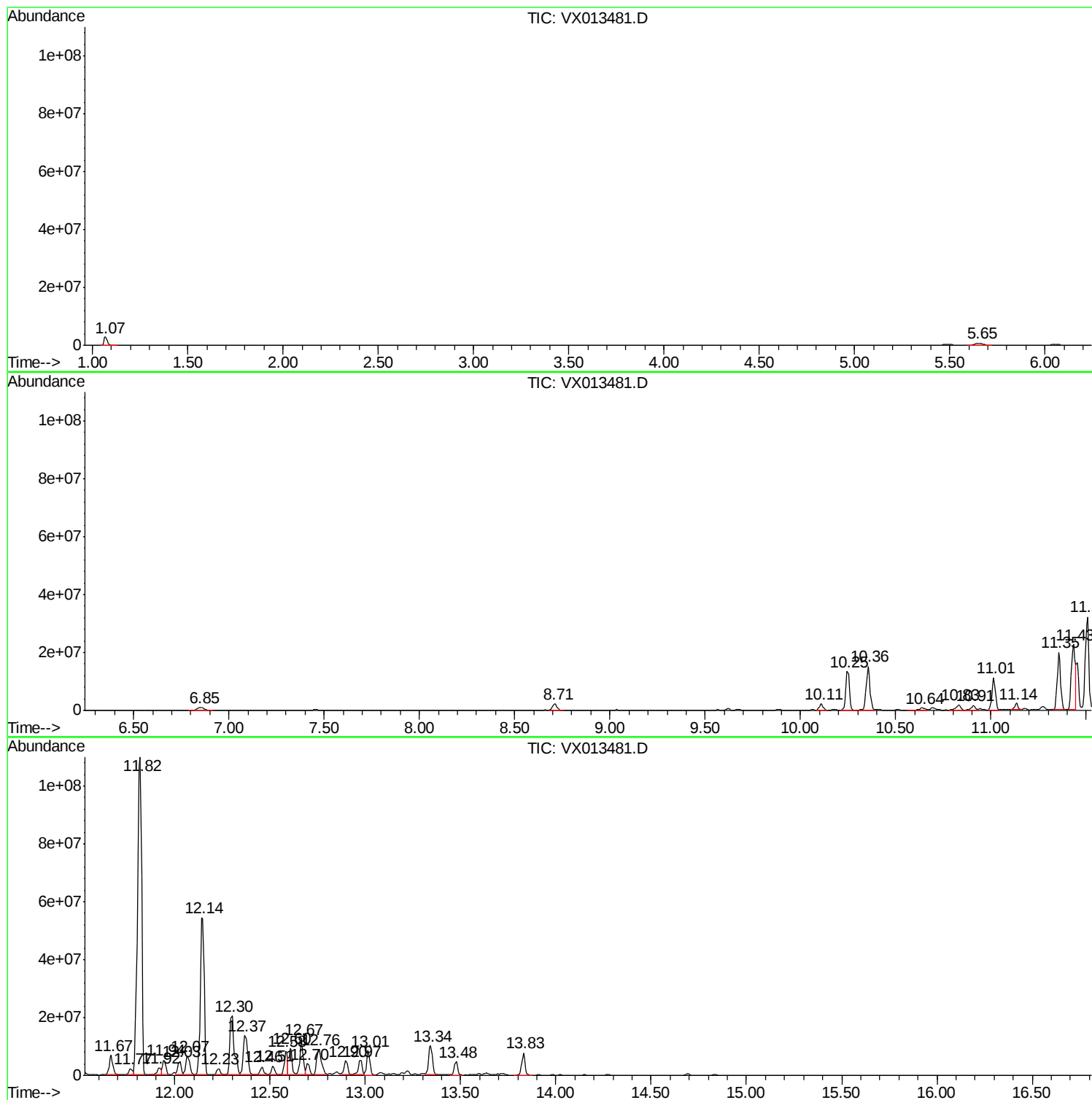
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Quant Title : SW846 8260

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



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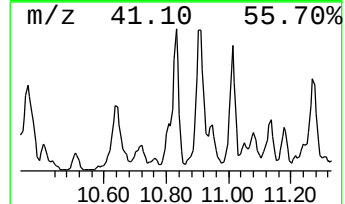
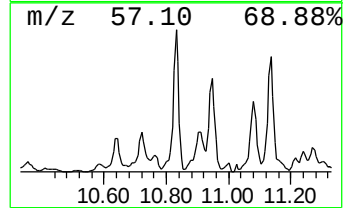
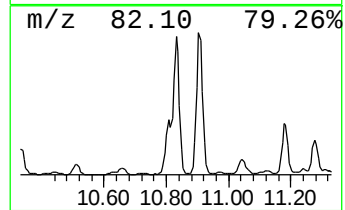
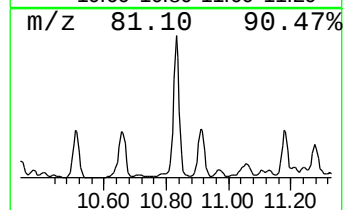
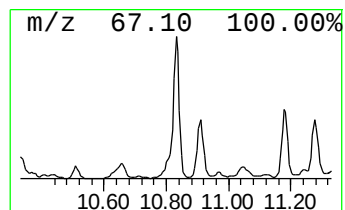
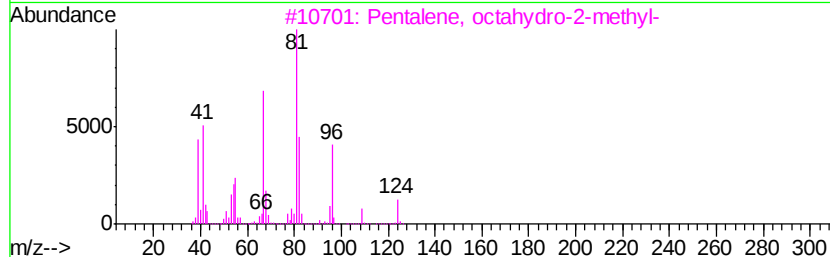
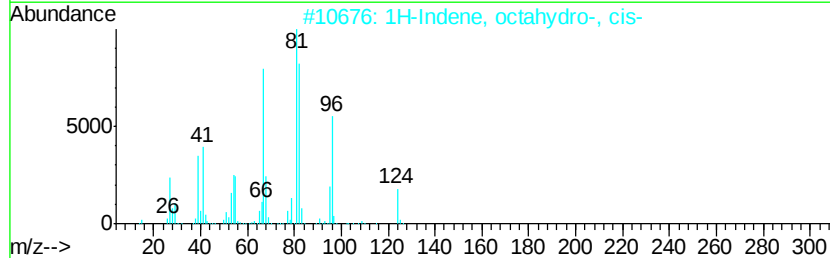
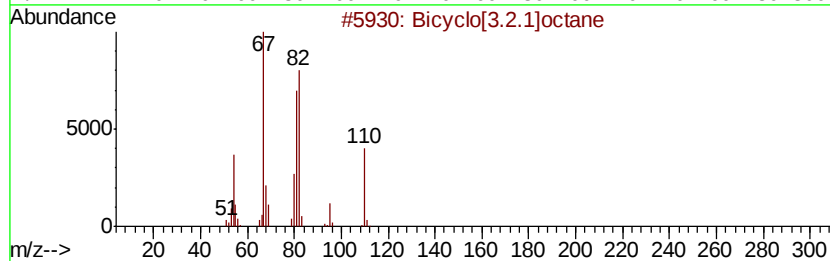
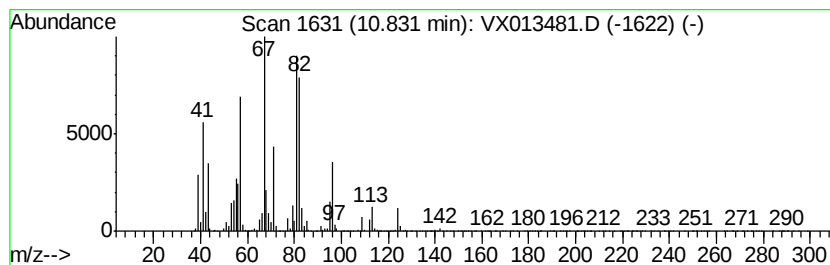
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Quant Title : SW846 8260

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

Peak Number 2 Bicyclo[3.2.1]octane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	49.53 ug/l	2964000	Chlorobenzene-d5	10.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	68
2		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	60
3		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	60
4		Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	43
5		Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	43



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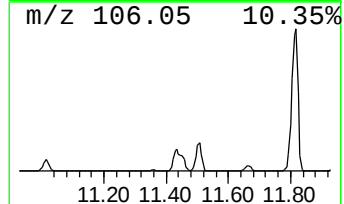
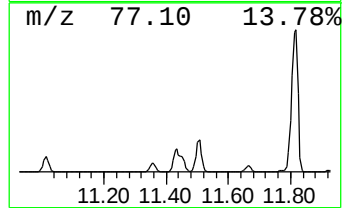
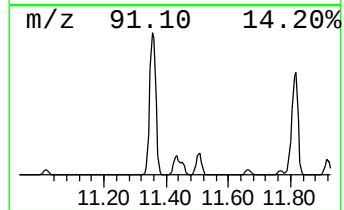
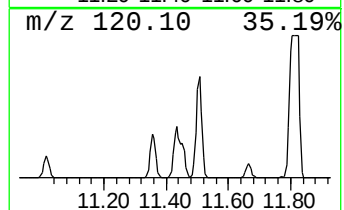
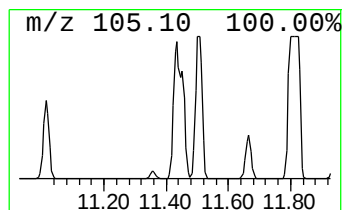
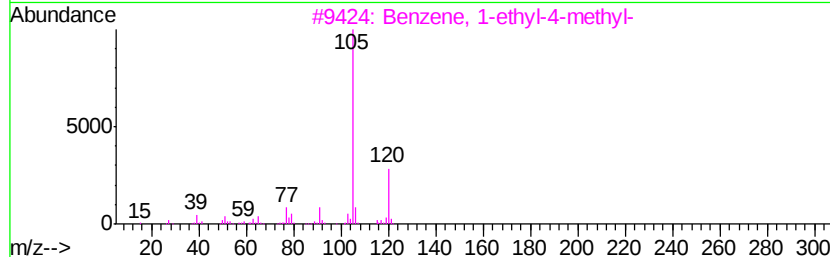
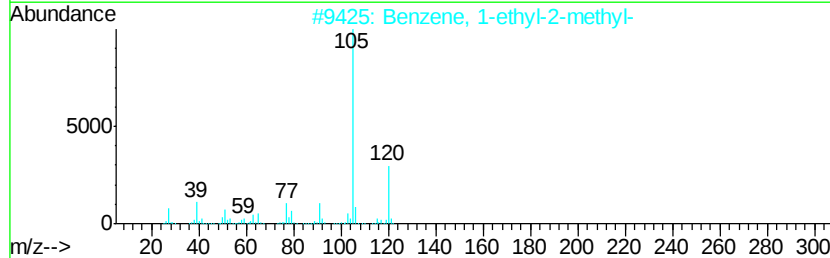
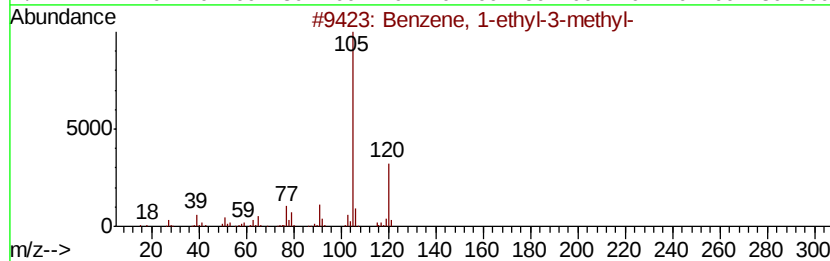
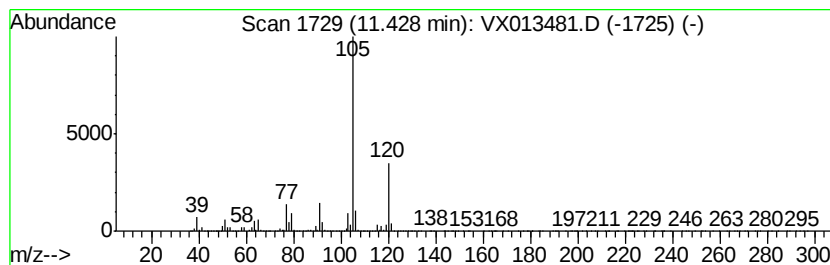
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	174.53 ug/l	33259200	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90



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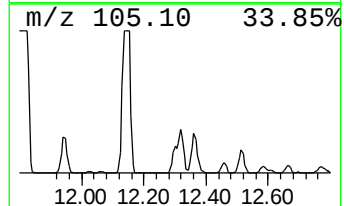
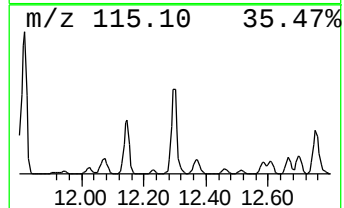
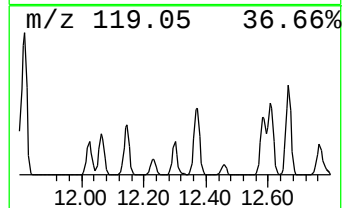
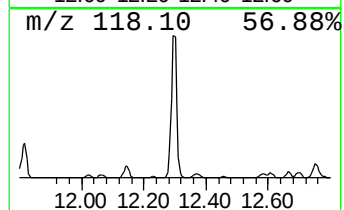
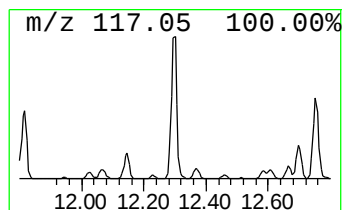
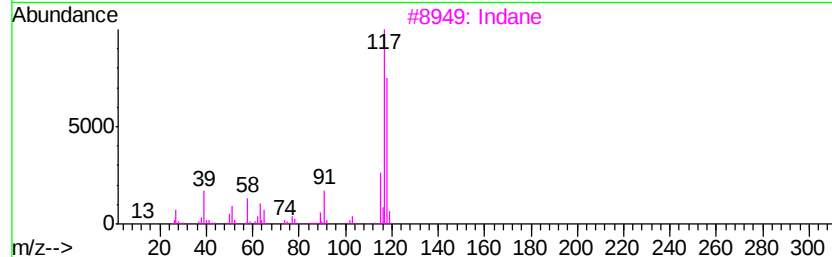
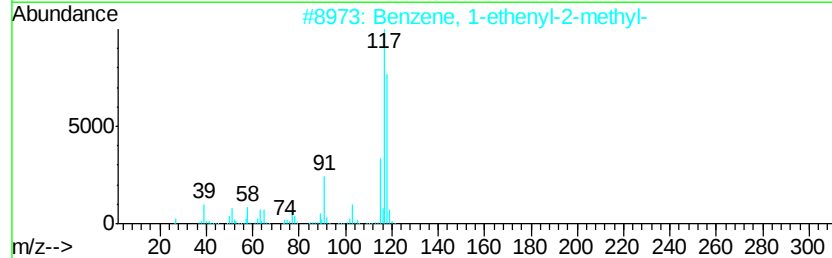
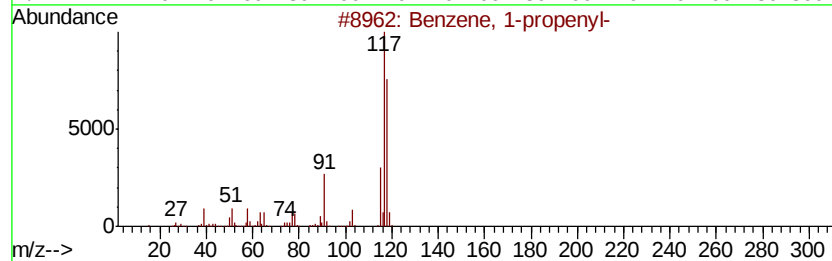
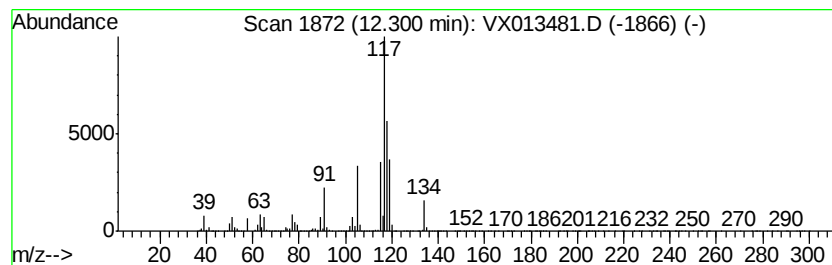
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	168.79 ug/l	32166400	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	92
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
3		Indane	118	C9H10	000496-11-7	64
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	64



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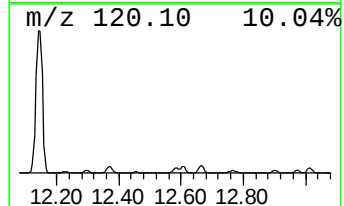
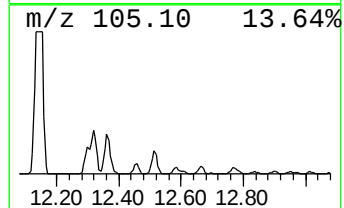
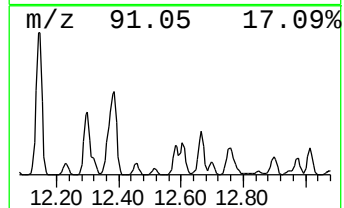
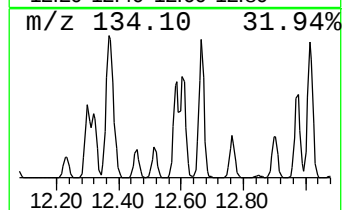
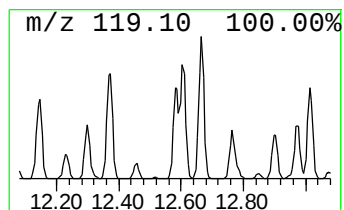
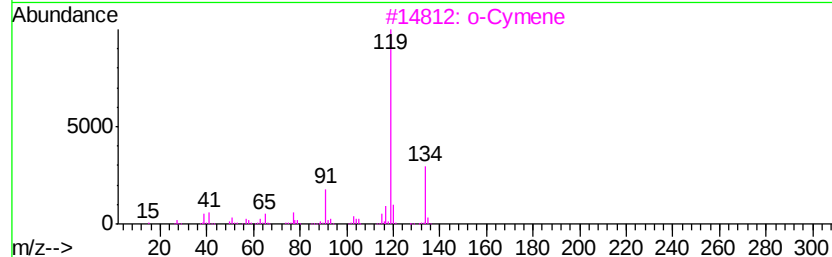
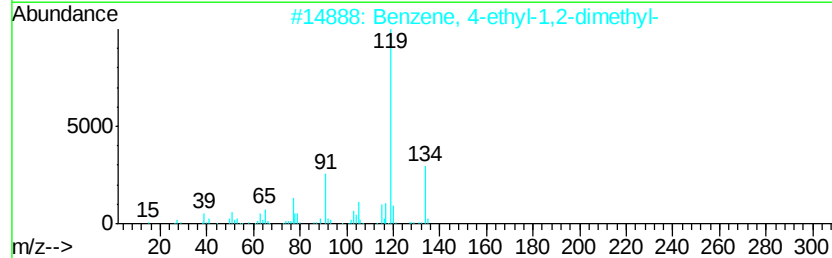
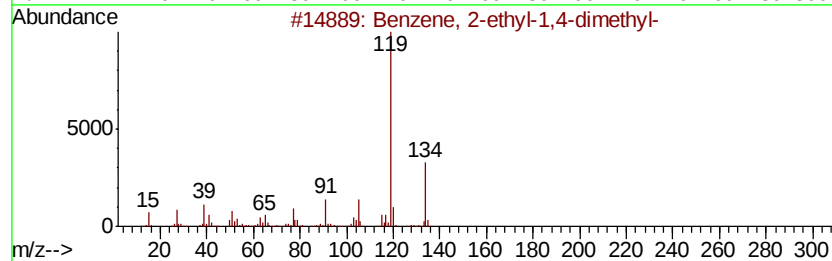
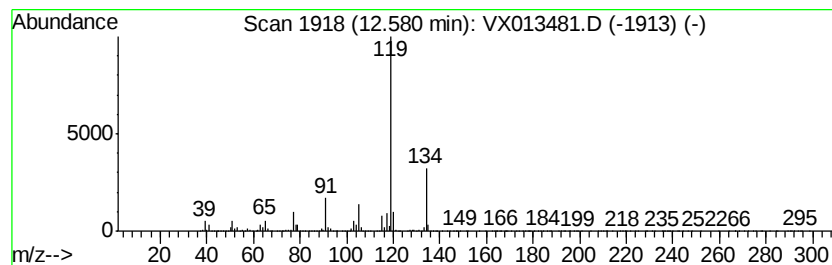
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	54.89 ug/l	10460000	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



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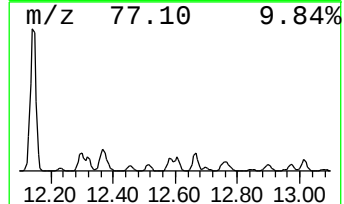
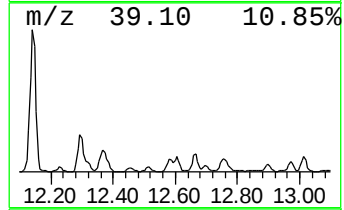
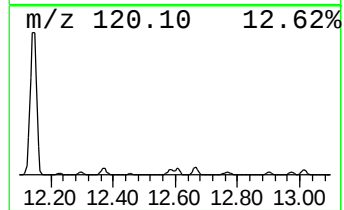
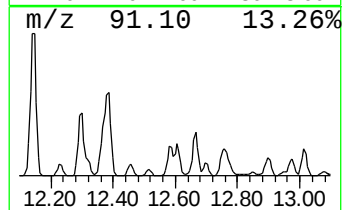
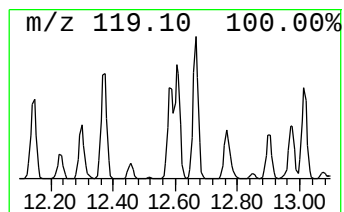
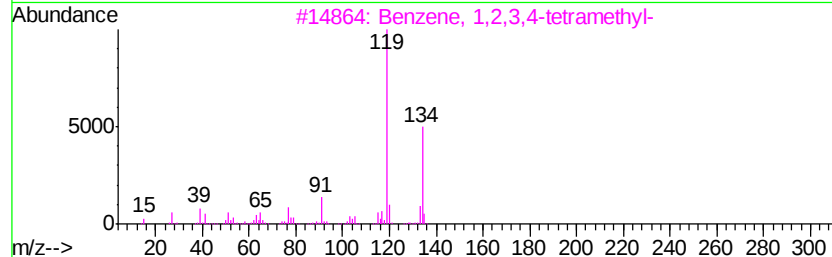
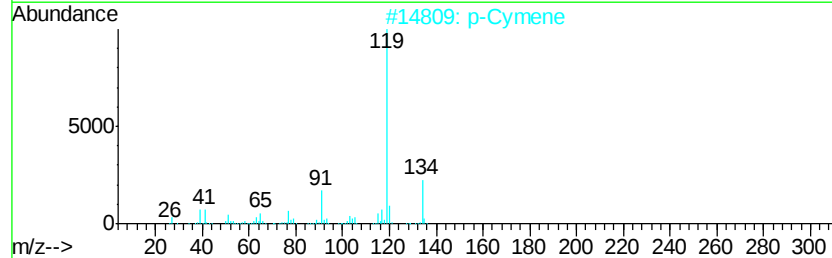
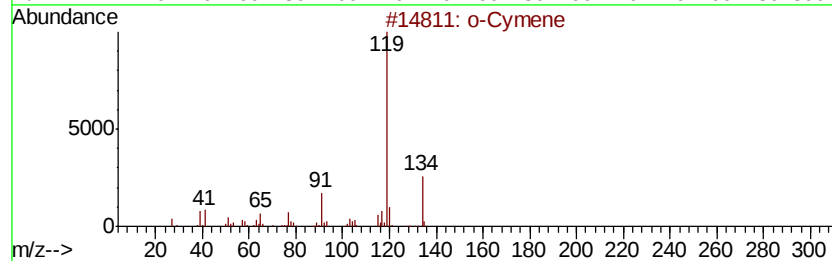
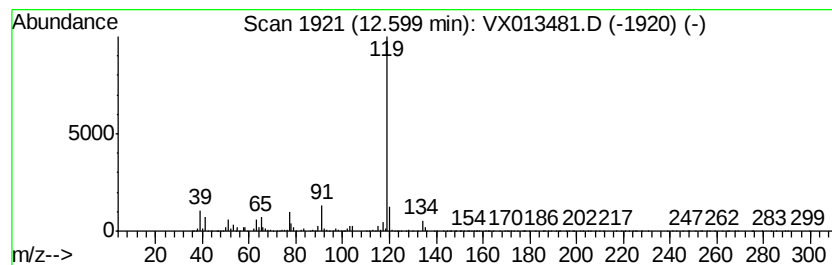
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Quant Title : SW846 8260

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

Peak Number 6 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	55.15 ug/l	10509700	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		p-Cymene	134	C10H14	000099-87-6	95
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013481.D
Acq On : 20 Nov 2019 16:45
Operator : JC/SP
Sample : K5958-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

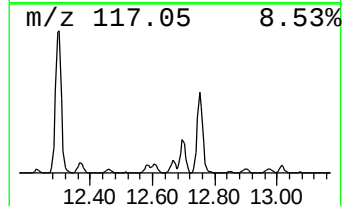
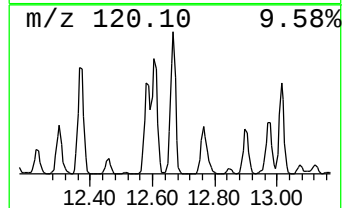
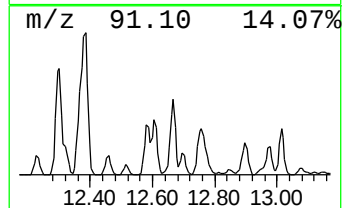
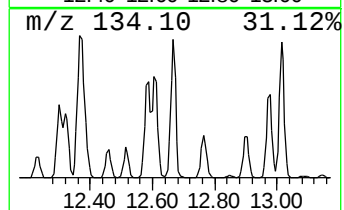
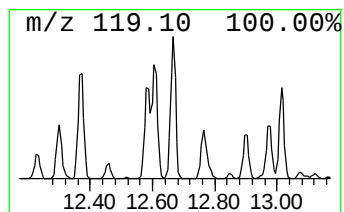
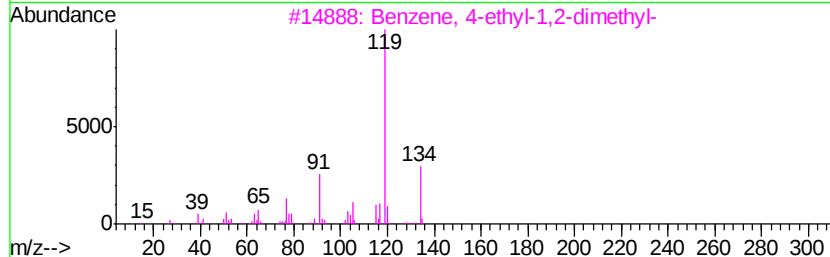
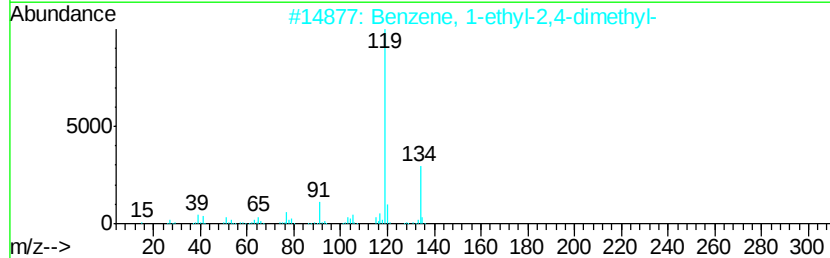
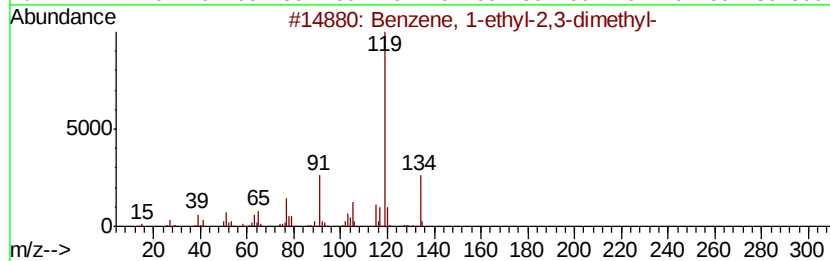
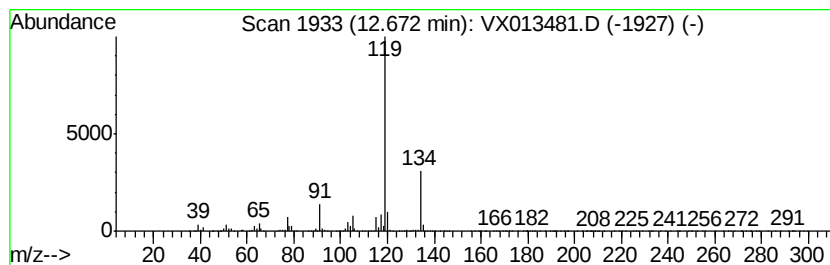
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	72.35 ug/l	13787000	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013481.D
Acq On : 20 Nov 2019 16:45
Operator : JC/SP
Sample : K5958-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

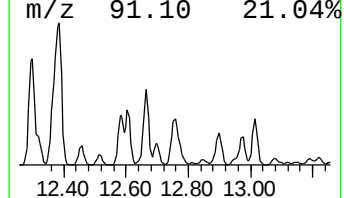
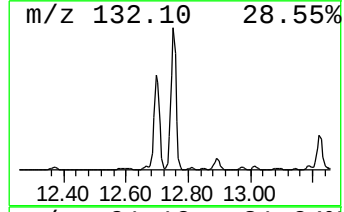
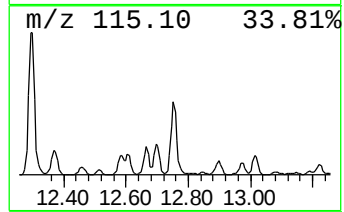
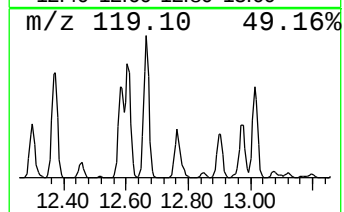
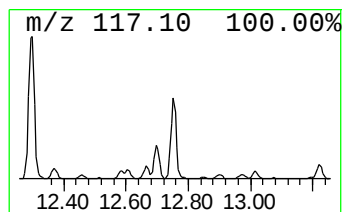
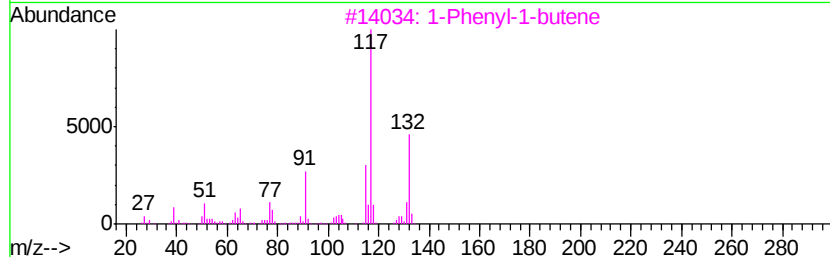
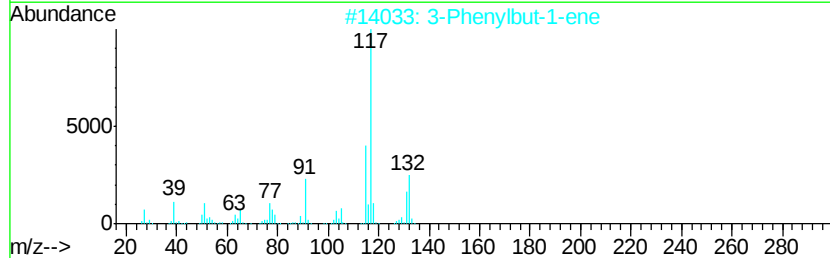
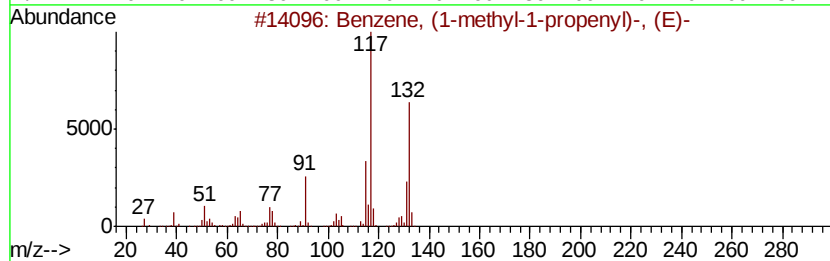
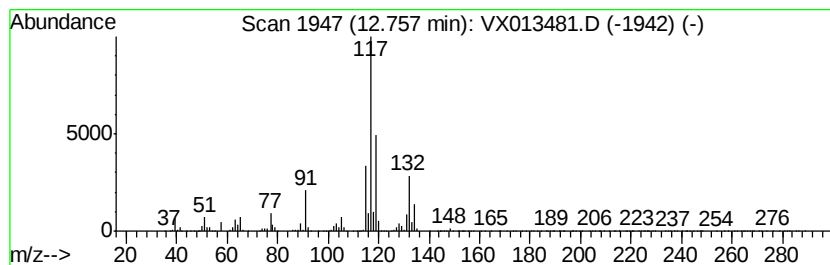
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	77.80 ug/l	14825500	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	86
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013481.D
Acq On : 20 Nov 2019 16:45
Operator : JC/SP
Sample : K5958-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

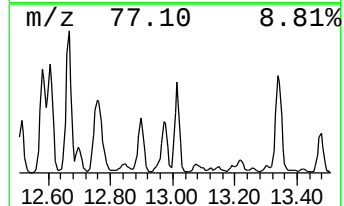
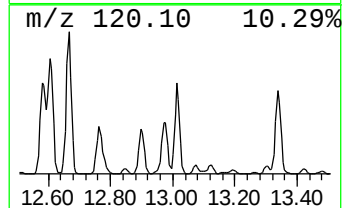
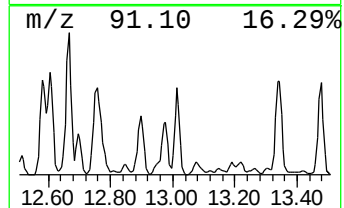
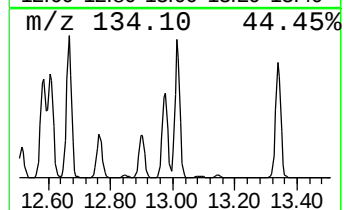
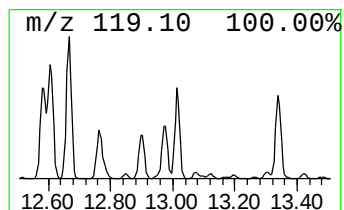
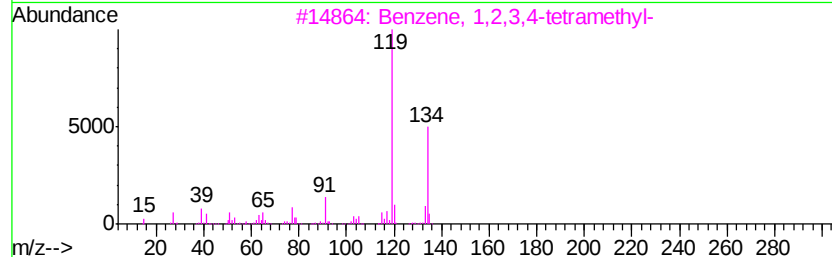
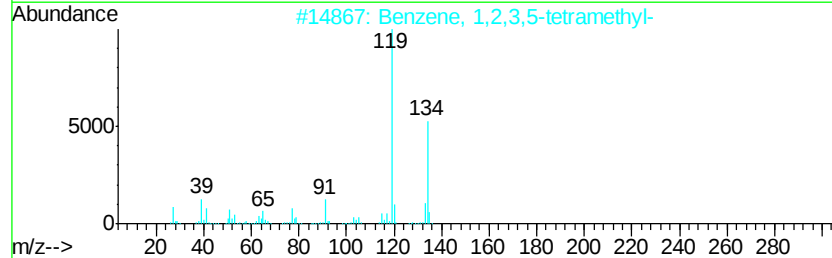
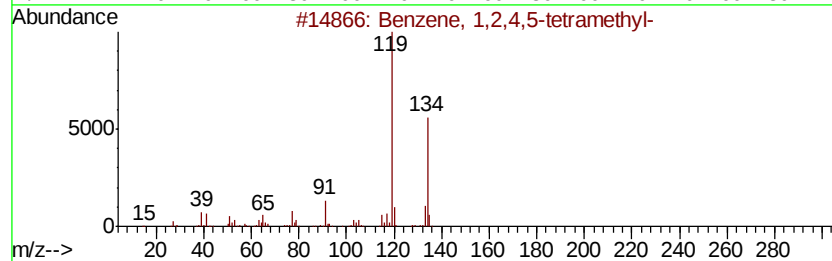
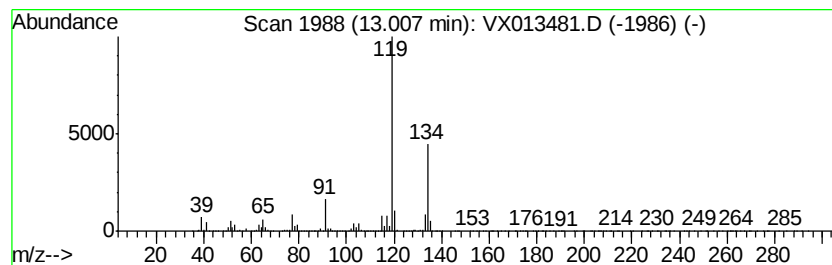
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	51.82 ug/l	9876060	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013481.D
Acq On : 20 Nov 2019 16:45
Operator : JC/SP
Sample : K5958-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.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
Bicyclo[3.2.1]octane	10.83	49.5	ug/l	2964000	3	10.11	2991930	50.0
Benzene, 1-ethyl-...	11.43	174.5	ug/l	33259200	4	12.07	9528390	50.0
Benzene, 1-propenyl-	12.30	168.8	ug/l	32166400	4	12.07	9528390	50.0
Benzene, 2-ethyl-...	12.58	54.9	ug/l	10460000	4	12.07	9528390	50.0
o-Cymene	12.60	55.1	ug/l	10509700	4	12.07	9528390	50.0
Benzene, 1-ethyl-...	12.67	72.3	ug/l	13787000	4	12.07	9528390	50.0
Benzene, (1-methy...	12.76	77.8	ug/l	14825500	4	12.07	9528390	50.0
Benzene, 1,2,4,5-...	13.01	51.8	ug/l	9876060	4	12.07	9528390	50.0