

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012498.D
 Acq On : 19 Sep 2019 01:31
 Operator : JC/SP
 Sample : K4830-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0278

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\82X091719W.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	42	rBV	891540	1044974	62.48%	4.418%
2	1.783	142	147	155	rVB	84522	119623	7.15%	0.506%
3	1.991	176	181	189	rVB	60540	81255	4.86%	0.344%
4	2.387	240	246	251	rBV	28118	53608	3.21%	0.227%
5	2.594	269	280	291	rBV	99813	186483	11.15%	0.788%
6	2.838	312	320	323	rBV	50306	112073	6.70%	0.474%
7	2.881	323	327	330	rVV	111656	211554	12.65%	0.894%
8	2.923	330	334	344	rVB	104211	217179	12.99%	0.918%
9	3.167	363	374	385	rBV	159042	370862	22.18%	1.568%
10	3.515	423	431	441	rBV2	34869	81617	4.88%	0.345%
11	4.137	517	533	546	rVB4	10853	39596	2.37%	0.167%
12	4.393	565	575	590	rVB	246537	708556	42.37%	2.996%
13	5.234	699	713	722	rBV4	17463	64200	3.84%	0.271%
14	5.490	743	755	761	rBV2	106475	316768	18.94%	1.339%
15	5.575	761	769	775	rVV2	173560	535623	32.03%	2.265%
16	5.649	775	781	789	rVB	167843	445934	26.66%	1.885%
17	5.929	812	827	839	rBV5	109405	362624	21.68%	1.533%
18	6.057	839	848	854	rVV	130629	345914	20.68%	1.463%
19	6.136	854	861	870	rVV	278565	723537	43.26%	3.059%
20	6.252	871	880	889	rVV3	71436	252545	15.10%	1.068%
21	6.356	890	897	904	rVV4	69083	194354	11.62%	0.822%
22	6.447	904	912	925	rVB2	118009	334240	19.99%	1.413%
23	6.849	968	978	988	rBV	312835	736595	44.04%	3.114%
24	7.459	1064	1078	1090	rBV	723000	1672378	100.00%	7.071%
25	7.727	1115	1122	1132	rVV	84137	161120	9.63%	0.681%
26	7.843	1132	1141	1149	rVB2	40089	84200	5.03%	0.356%
27	8.026	1164	1171	1183	rVB2	47338	104715	6.26%	0.443%
28	8.386	1225	1230	1236	rVB2	45154	86498	5.17%	0.366%
29	8.496	1244	1248	1252	rBV2	29948	51619	3.09%	0.218%
30	8.660	1268	1275	1278	rBV2	189749	335058	20.03%	1.417%
31	8.709	1278	1283	1291	rVB	638503	1061965	63.50%	4.490%
32	8.837	1298	1304	1308	rBV	93787	159734	9.55%	0.675%
33	8.904	1312	1315	1322	rVB	59121	96637	5.78%	0.409%
34	9.038	1331	1337	1343	rVB	192807	315806	18.88%	1.335%

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35	9.160	1348	1357	1363	rBV	101246	161490	9.66%	0.683%
36	9.569	1417	1424	1428	rBV2	82262	136479	8.16%	0.577%
37	9.617	1428	1432	1437	rVV	206019	292801	17.51%	1.238%
38	9.672	1437	1441	1446	rVV	150512	223513	13.36%	0.945%
39	9.886	1470	1476	1483	rBV3	29412	55349	3.31%	0.234%
40	10.111	1507	1513	1518	rBV	574341	780314	46.66%	3.299%
41	10.184	1518	1525	1529	rVB	99180	149007	8.91%	0.630%
42	10.245	1529	1535	1541	rBV	237451	321674	19.23%	1.360%
43	10.331	1545	1549	1551	rBV	58172	84970	5.08%	0.359%
44	10.507	1573	1578	1583	rVB	35610	51736	3.09%	0.219%
45	10.642	1592	1600	1607	rBV2	51276	133550	7.99%	0.565%
46	10.831	1619	1631	1637	rBV2	87947	165360	9.89%	0.699%
47	10.910	1639	1644	1651	rBV4	49814	94170	5.63%	0.398%
48	11.013	1656	1661	1665	rBV	53763	71247	4.26%	0.301%
49	11.135	1675	1681	1685	rBV	458991	603601	36.09%	2.552%
50	11.178	1685	1688	1692	rVV	42706	56957	3.41%	0.241%
51	11.276	1696	1704	1709	rVV9	46681	85552	5.12%	0.362%
52	11.355	1713	1717	1728	rVV	50949	75398	4.51%	0.319%
53	11.666	1763	1768	1776	rVB2	134609	186649	11.16%	0.789%
54	11.800	1786	1790	1796	rVB	443613	557547	33.34%	2.357%
55	11.940	1811	1813	1819	rVB	39812	47799	2.86%	0.202%
56	12.074	1829	1835	1840	rBV2	568020	761087	45.51%	3.218%
57	12.135	1840	1845	1850	rBV	257058	322602	19.29%	1.364%
58	12.227	1856	1860	1864	rBV	45599	52934	3.17%	0.224%
59	12.294	1867	1871	1878	rVV	245751	334808	20.02%	1.416%
60	12.361	1878	1882	1893	rVB2	182863	299787	17.93%	1.268%
61	12.458	1893	1898	1902	rBV	92407	125470	7.50%	0.531%
62	12.513	1902	1907	1913	rBV	245938	293173	17.53%	1.240%
63	12.580	1913	1918	1920	rBV	141806	190013	11.36%	0.803%
64	12.605	1920	1922	1927	rVV	190075	218042	13.04%	0.922%
65	12.666	1927	1932	1935	rVV	250782	309402	18.50%	1.308%
66	12.696	1935	1937	1943	rVV3	45043	90584	5.42%	0.383%
67	12.763	1943	1948	1954	rVV4	142440	305326	18.26%	1.291%
68	12.848	1958	1962	1964	rVV2	40125	58481	3.50%	0.247%
69	12.897	1966	1970	1975	rVB2	171665	234573	14.03%	0.992%
70	12.970	1975	1982	1986	rBV2	147667	246324	14.73%	1.042%
71	13.013	1986	1989	1995	rVB	281615	336795	20.14%	1.424%

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72	13.080	1995	2000	2005	rBV3	90349	152081	9.09%	0.643%
73	13.147	2008	2011	2015	rVV	50052	62684	3.75%	0.265%
74	13.190	2015	2018	2021	rVV2	98360	122891	7.35%	0.520%
75	13.263	2025	2030	2033	rVV2	45552	72744	4.35%	0.308%
76	13.300	2033	2036	2039	rVV3	78311	111182	6.65%	0.470%
77	13.342	2039	2043	2048	rVV2	330596	521496	31.18%	2.205%
78	13.385	2048	2050	2053	rVV	46904	60264	3.60%	0.255%
79	13.422	2053	2056	2059	rVV	38199	48469	2.90%	0.205%
80	13.476	2059	2065	2071	rVB	119161	189779	11.35%	0.802%
81	13.556	2074	2078	2081	rBV3	42553	65393	3.91%	0.276%
82	13.598	2081	2085	2087	rVV	52895	78309	4.68%	0.331%
83	13.635	2087	2091	2096	rVV4	144100	295148	17.65%	1.248%
84	13.696	2098	2101	2102	rVV	85184	106396	6.36%	0.450%
85	13.714	2102	2104	2111	rVV2	113627	181793	10.87%	0.769%
86	13.806	2114	2119	2120	rVV	54398	60915	3.64%	0.258%
87	13.830	2120	2123	2131	rVB2	94359	195749	11.70%	0.828%
88	13.903	2131	2135	2141	rVB3	61945	90634	5.42%	0.383%
89	13.982	2141	2148	2152	rBV2	107717	161022	9.63%	0.681%
90	14.025	2152	2155	2159	rVV3	44655	64424	3.85%	0.272%
91	14.123	2167	2171	2175	rBV3	34870	56945	3.41%	0.241%
92	14.269	2189	2195	2202	rVB4	92770	207289	12.39%	0.876%
93	14.373	2208	2212	2217	rVB	50126	58230	3.48%	0.246%
94	14.427	2217	2221	2225	rVB2	54233	70375	4.21%	0.298%
95	14.470	2225	2228	2233	rVB2	30251	39302	2.35%	0.166%
96	14.537	2234	2239	2248	rBV2	102405	171566	10.26%	0.725%
97	14.726	2267	2270	2274	rVB	37890	43520	2.60%	0.184%
98	14.836	2283	2288	2292	rBV2	46501	78527	4.70%	0.332%
99	15.244	2349	2355	2361	rBV2	28911	55507	3.32%	0.235%
100	15.683	2422	2427	2430	rVV	26842	44229	2.64%	0.187%

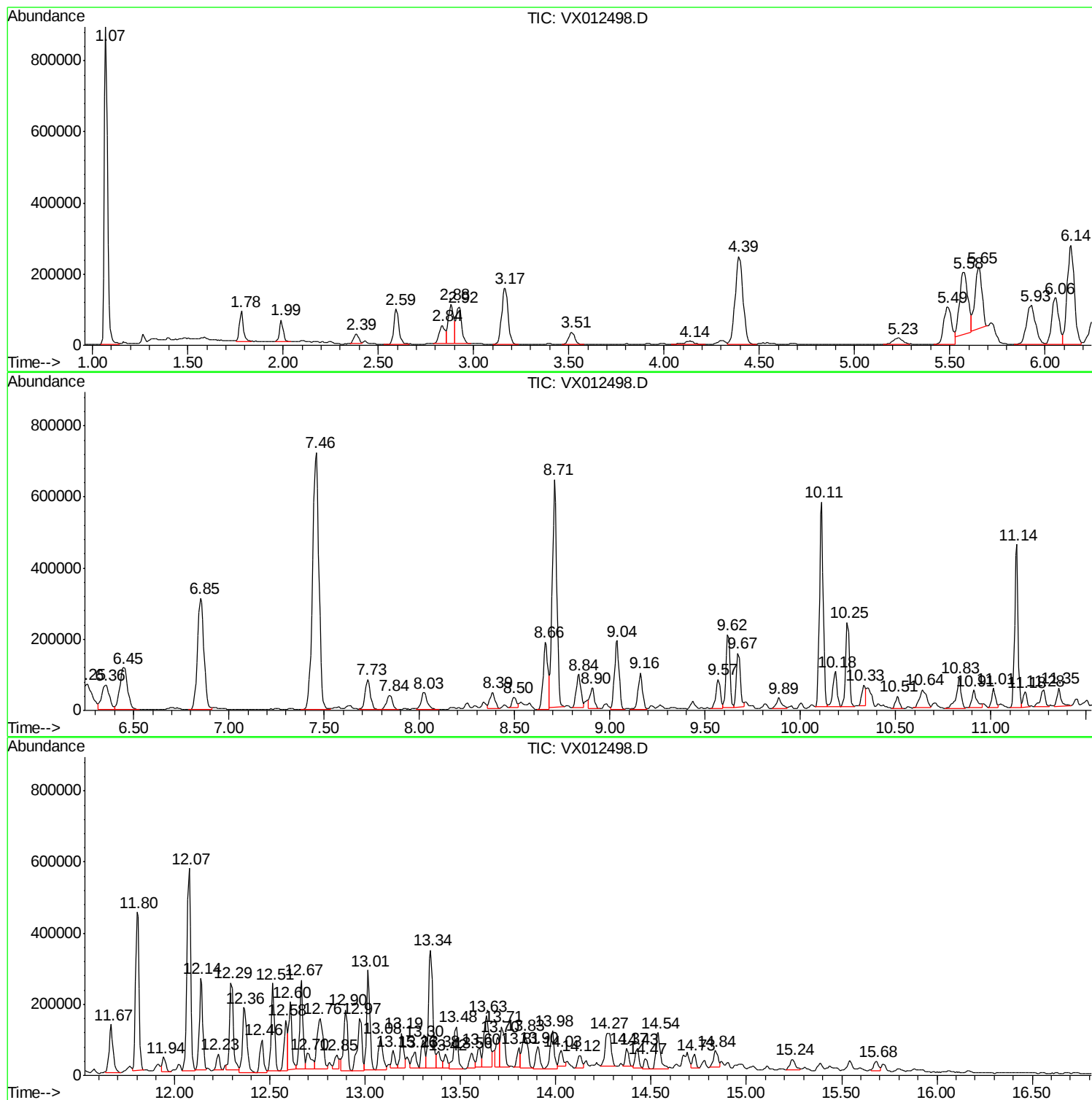
Sum of corrected areas: 23650871

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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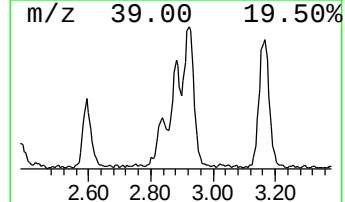
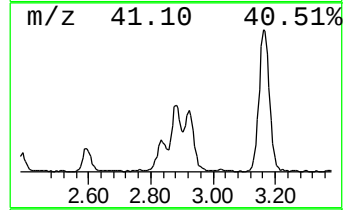
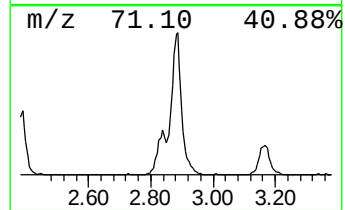
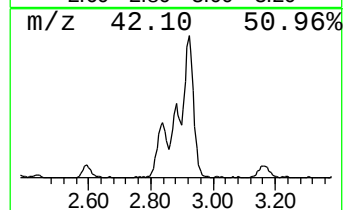
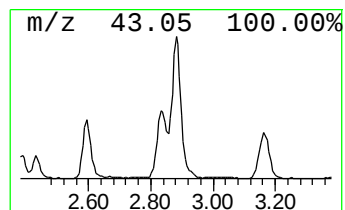
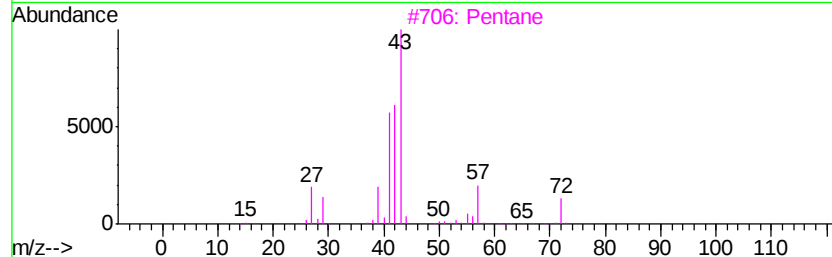
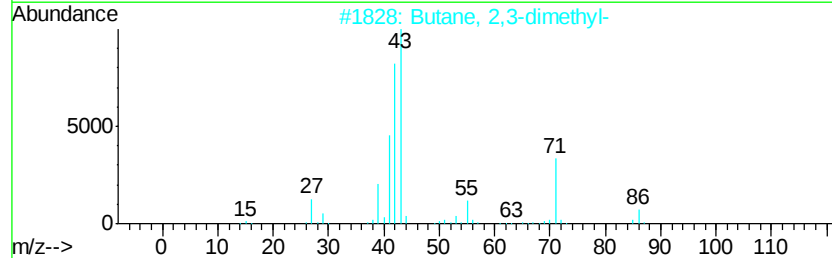
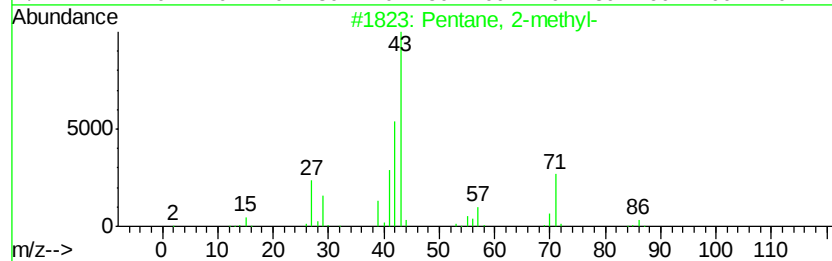
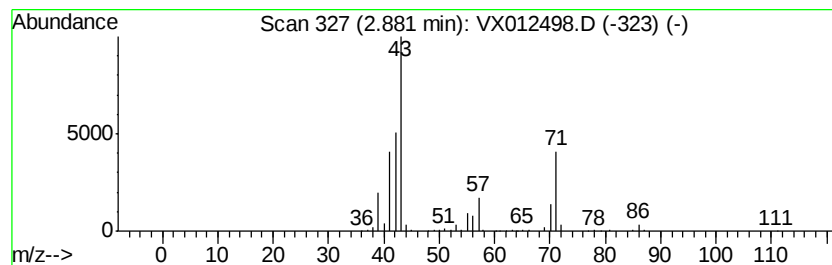
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	23.72 ug/l	211554	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
3		Pentane	72	C5H12	000109-66-0	46
4		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28
5		Pyrrolidine	71	C4H9N	000123-75-1	25



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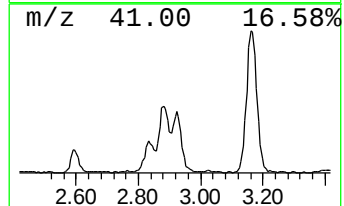
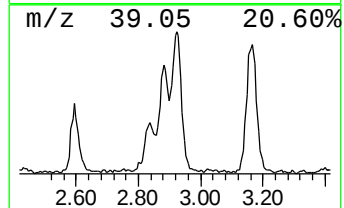
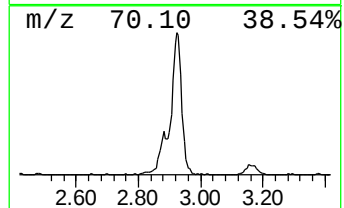
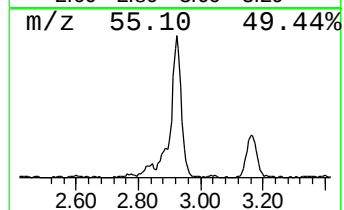
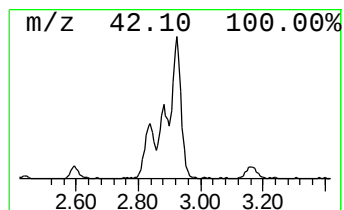
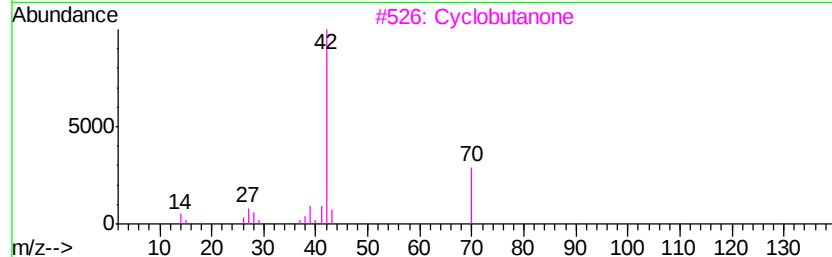
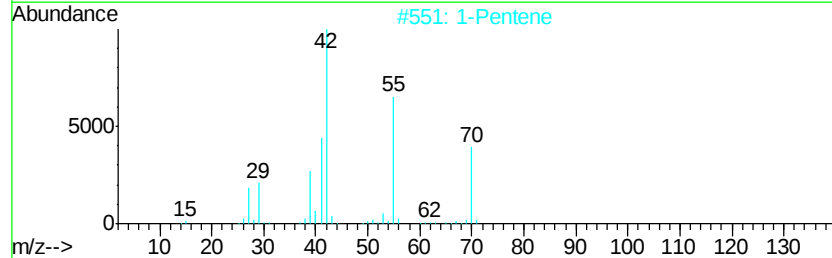
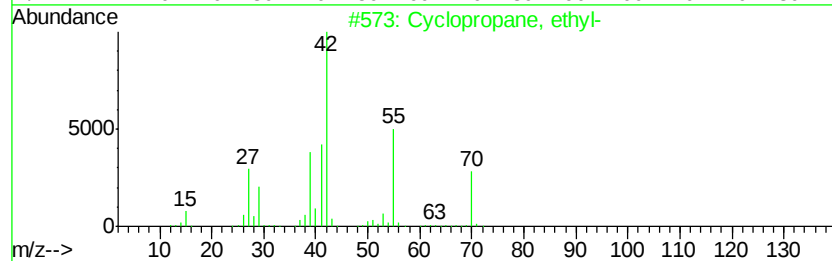
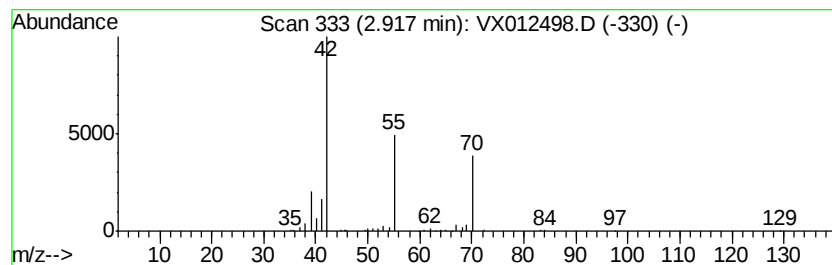
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclopropane, ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	24.35 ug/l	217179	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
2		1-Pentene	70	C5H10	000109-67-1	72
3		Cyclobutanone	70	C4H6O	001191-95-3	45
4		n-Propyl chloride	78	C3H7Cl	000540-54-5	33
5		Methyl propargyl ether	70	C4H6O	000627-41-8	9



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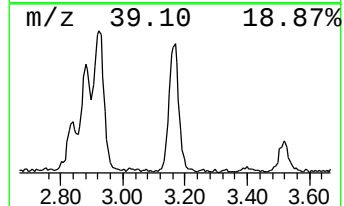
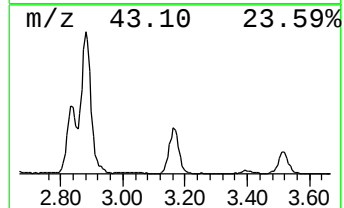
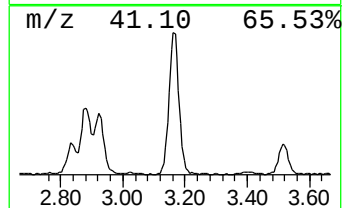
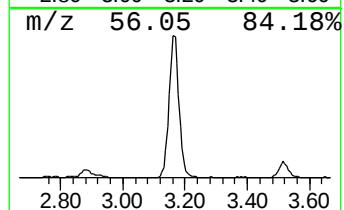
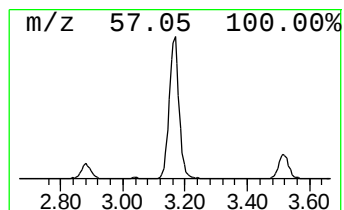
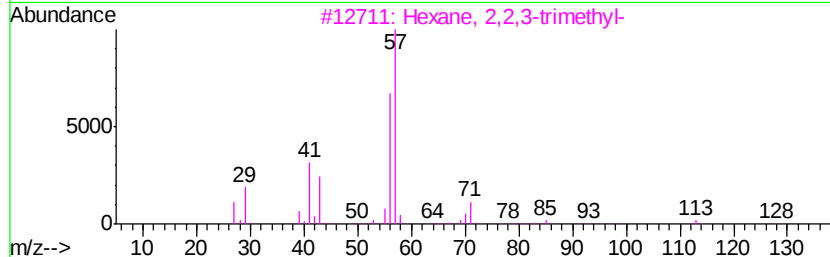
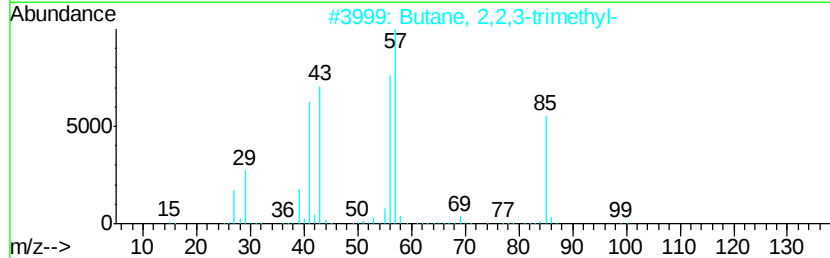
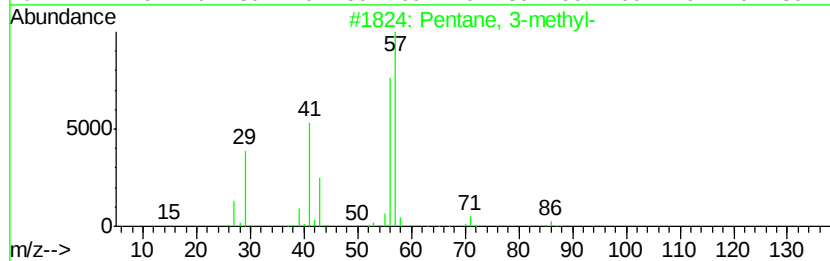
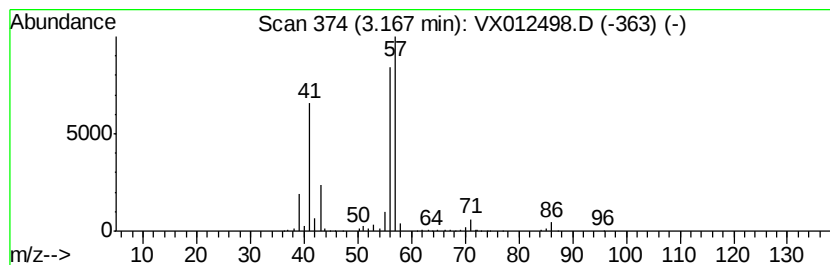
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Peak Number 4 Pentane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	41.58 ug/l	370862	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
3		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
4		Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	59
5		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012498.D
Acq On : 19 Sep 2019 01:31
Operator : JC/SP
Sample : K4830-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S13-0278

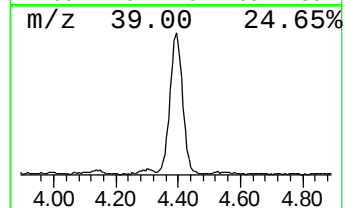
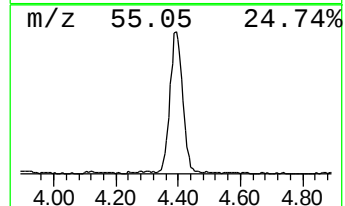
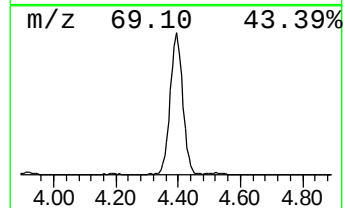
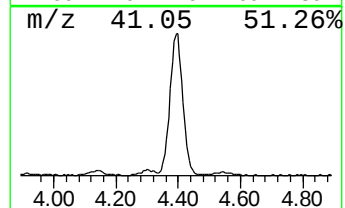
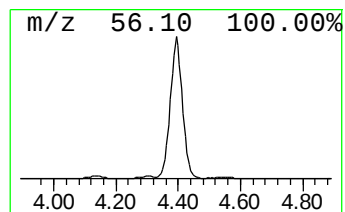
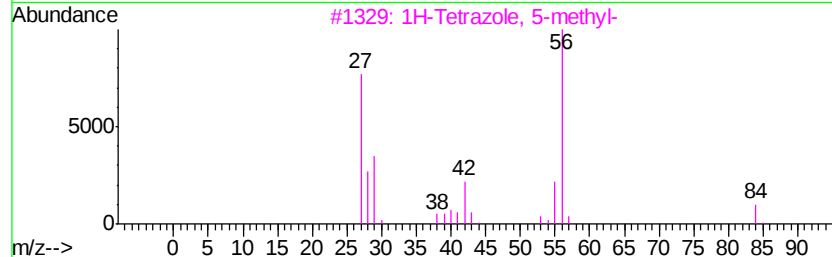
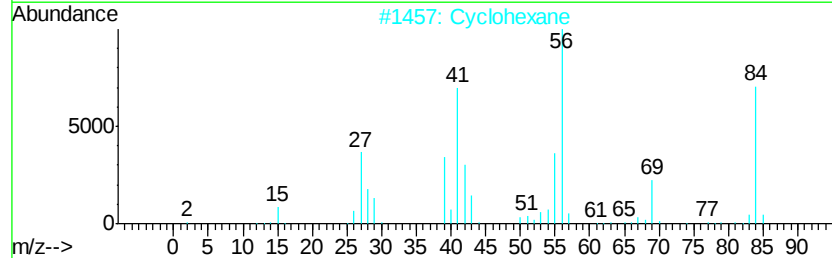
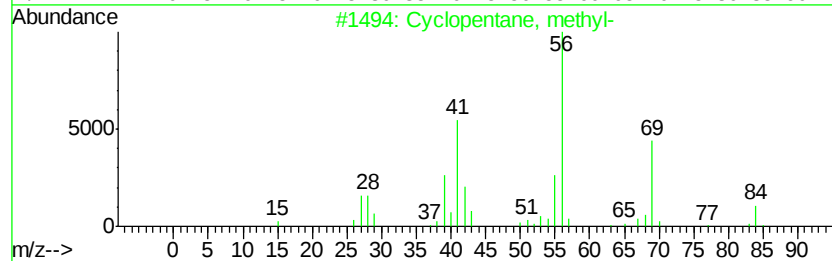
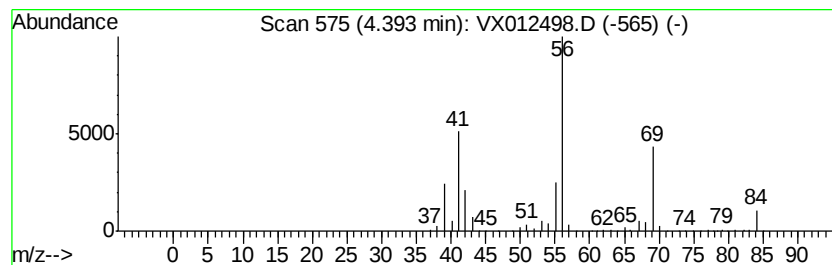
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	79.45 ug/l	708556	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2		Cyclohexane	84	C6H12	000110-82-7	78
3		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4		Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5		Cyclobutane	56	C4H8	000287-23-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012498.D
Acq On : 19 Sep 2019 01:31
Operator : JC/SP
Sample : K4830-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S13-0278

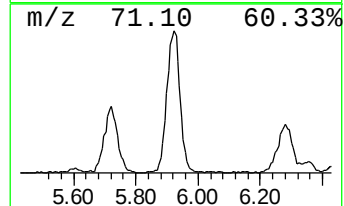
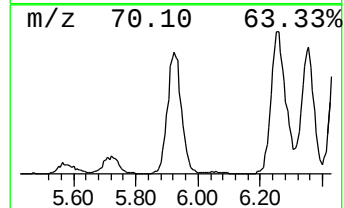
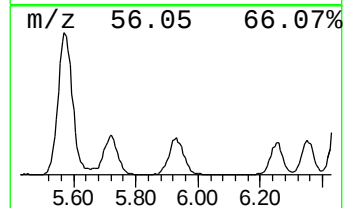
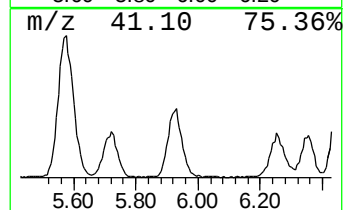
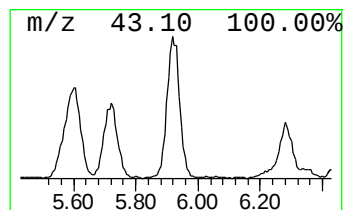
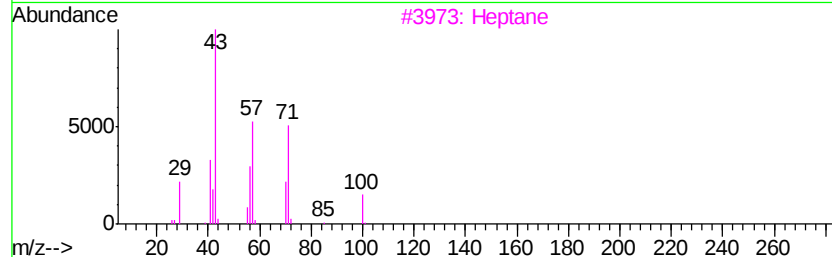
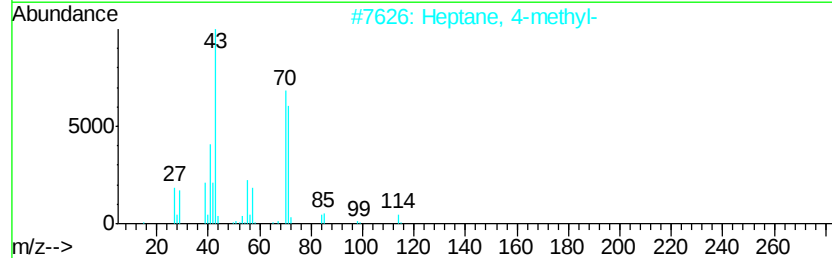
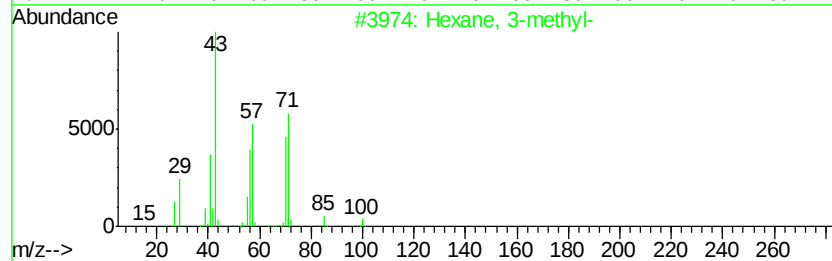
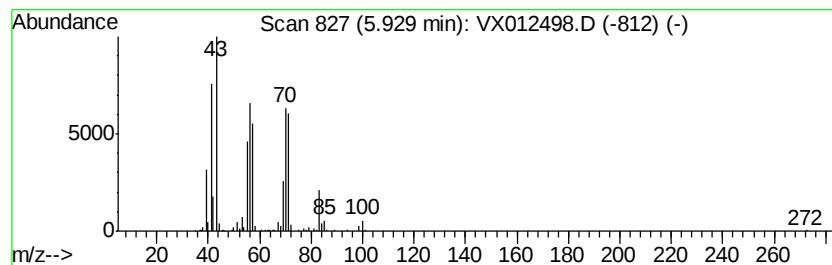
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Quant Title : SW846 8260

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

Peak Number 6 Hexane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	40.66 ug/l	362624	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	50
3		Heptane	100	C7H16	000142-82-5	49
4		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	47
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012498.D
Acq On : 19 Sep 2019 01:31
Operator : JC/SP
Sample : K4830-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S13-0278

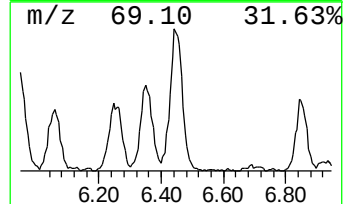
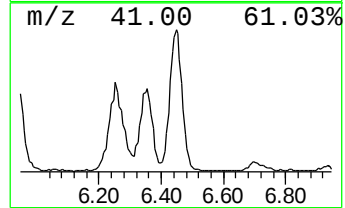
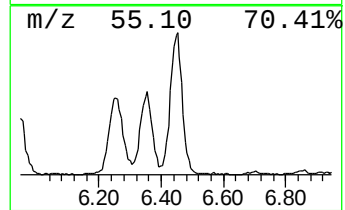
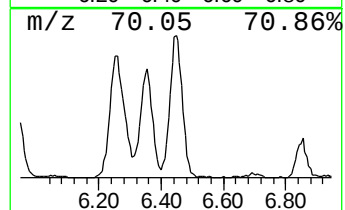
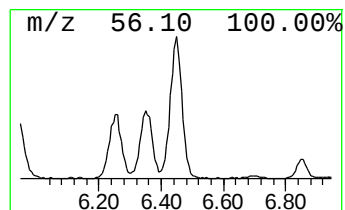
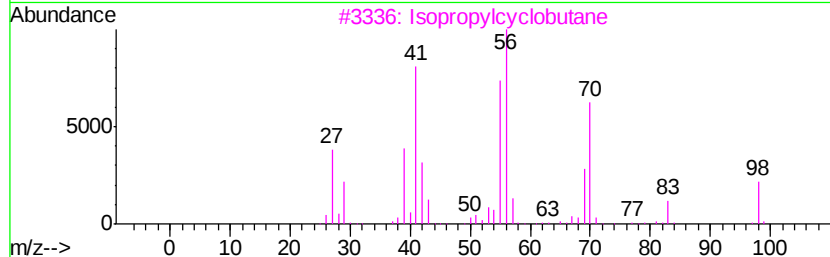
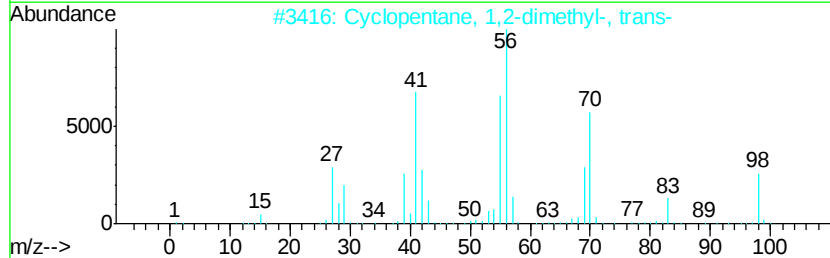
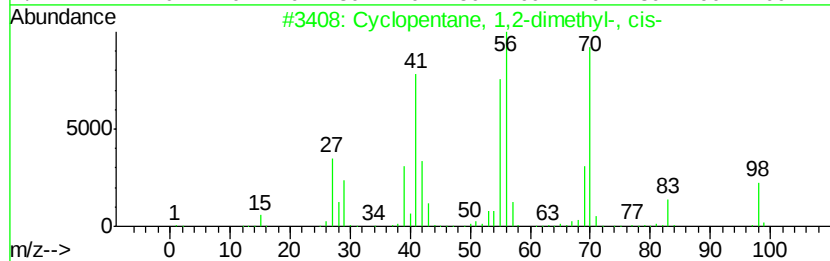
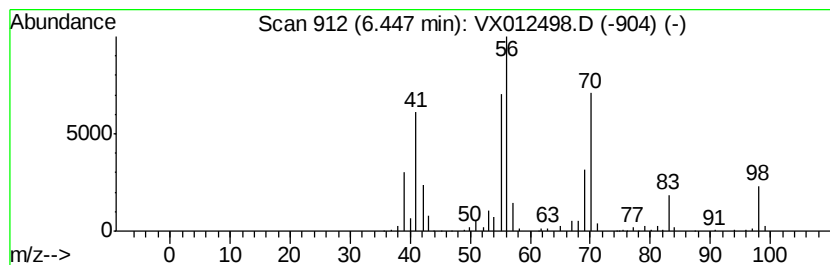
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Quant Title : SW846 8260

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

Peak Number 7 Cyclopentane, 1,2-dimethyl-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	22.69 ug/l	334240	1,4-Difluorobenzene	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	94
2		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
3		Isopropylcyclobutane	98	C7H14	000872-56-0	93
4		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
5		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012498.D
Acq On : 19 Sep 2019 01:31
Operator : JC/SP
Sample : K4830-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S13-0278

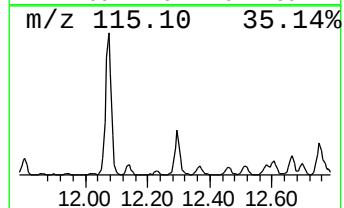
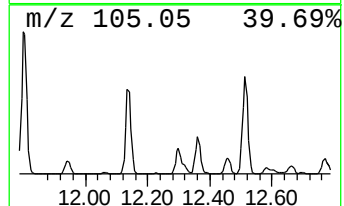
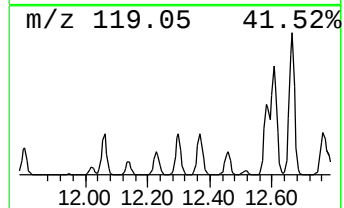
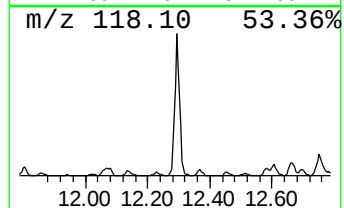
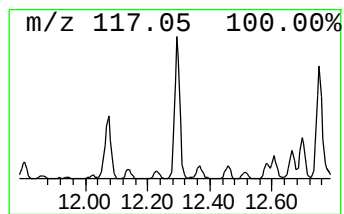
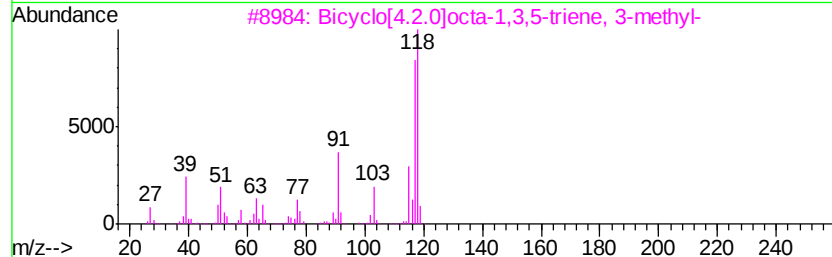
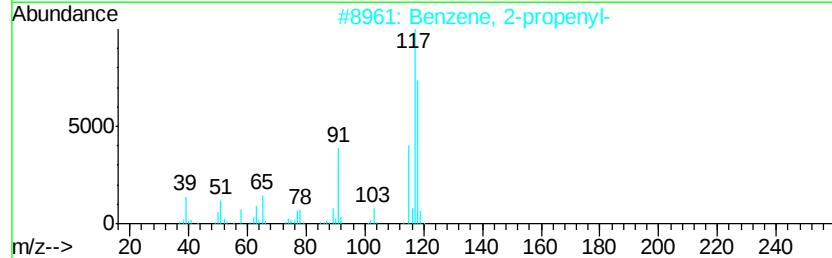
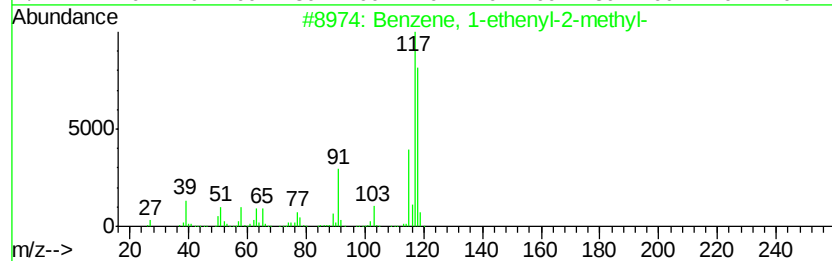
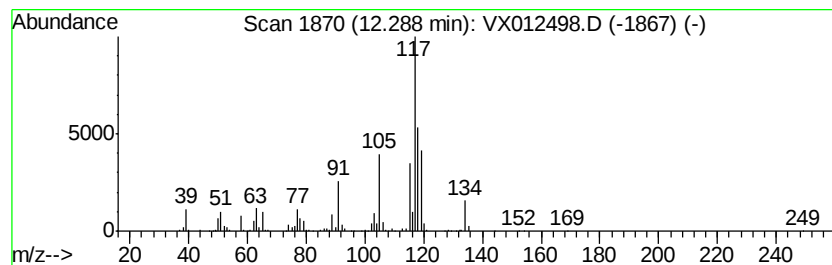
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	22.00 ug/l	334808	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	80
4		Tetracyclo[3.3.1.0(2,8).0(4,6)]-	118	C9H10	1000191-13-7	55
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012498.D
Acq On : 19 Sep 2019 01:31
Operator : JC/SP
Sample : K4830-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S13-0278

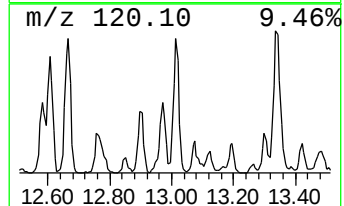
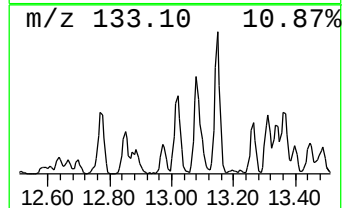
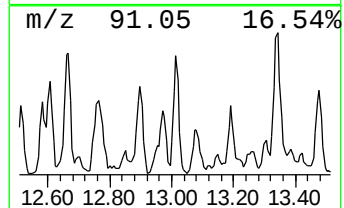
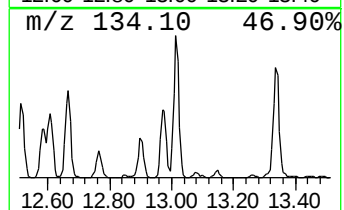
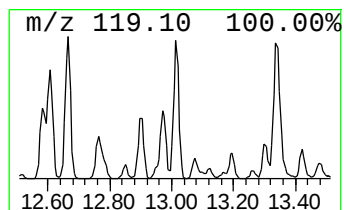
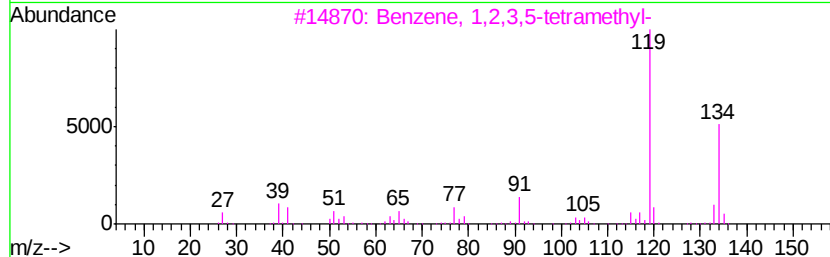
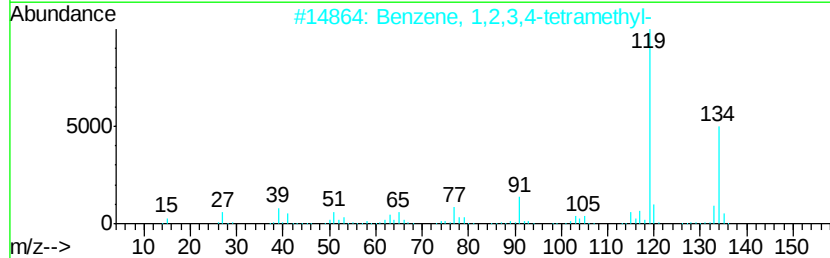
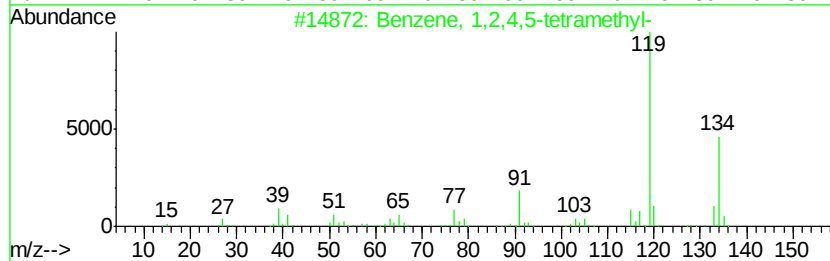
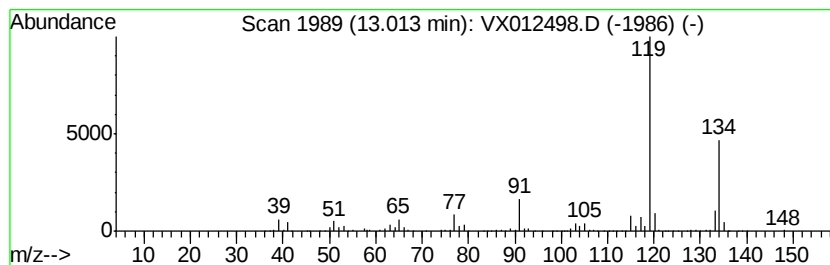
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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	22.13 ug/l	336795	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	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:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012498.D
Acq On : 19 Sep 2019 01:31
Operator : JC/SP
Sample : K4830-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
S13-0278

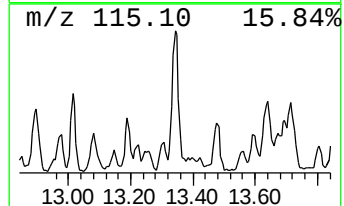
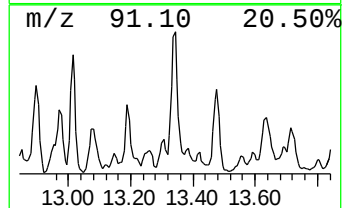
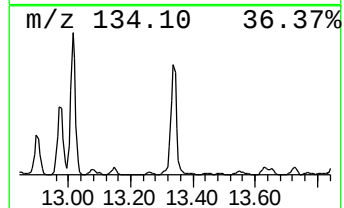
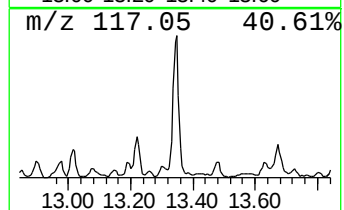
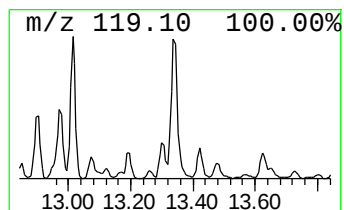
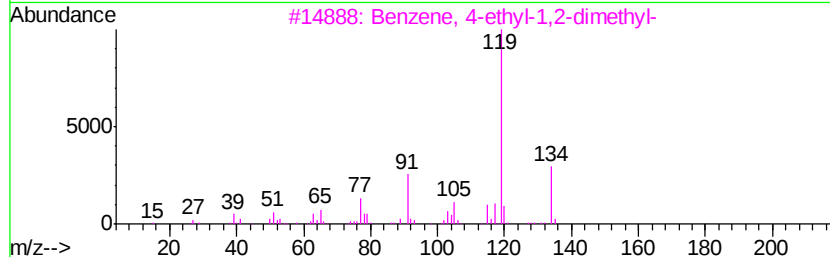
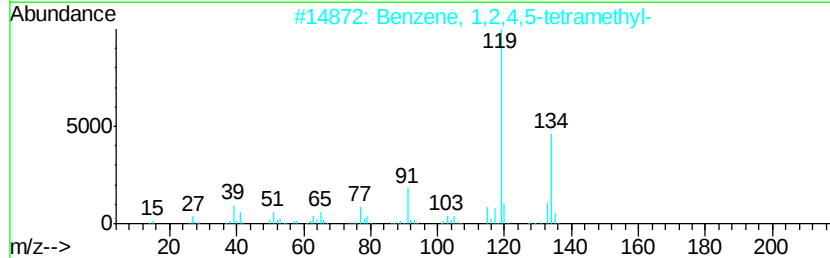
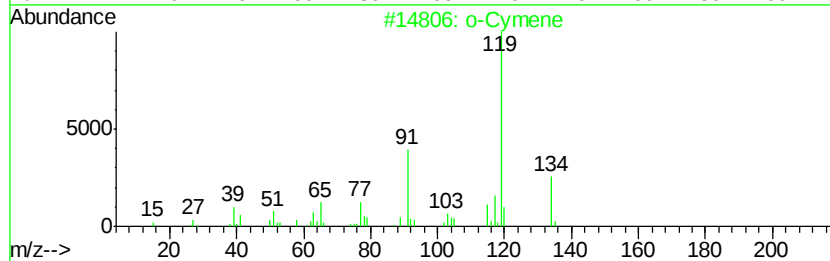
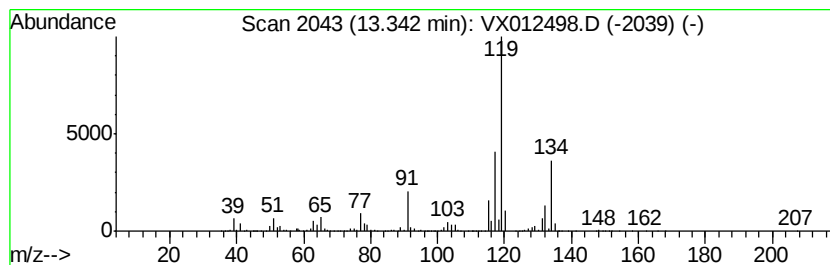
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Quant Title : SW846 8260

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

Peak Number 10 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	34.26 ug/l	521496	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	70
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	62



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091819\
Data File : VX012498.D
Acq On : 19 Sep 2019 01:31
Operator : JC/SP
Sample : K4830-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S13-0278

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.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
Pentane, 2-methyl-	2.88	23.7	ug/l	211554	1	5.65	445934	50.0
Cyclopropane, ethyl-	2.92	24.4	ug/l	217179	1	5.65	445934	50.0
Pentane, 3-methyl-	3.17	41.6	ug/l	370862	1	5.65	445934	50.0
Cyclopentane, met...	4.39	79.5	ug/l	708556	1	5.65	445934	50.0
Hexane, 3-methyl-	5.93	40.7	ug/l	362624	1	5.65	445934	50.0
Cyclopentane, 1,2...	6.45	22.7	ug/l	334240	2	6.85	736595	50.0
Benzene, 1-etheny...	12.29	22.0	ug/l	334808	4	12.07	761087	50.0
Benzene, 1,2,4,5-...	13.01	22.1	ug/l	336795	4	12.07	761087	50.0
o-Cymene	13.34	34.3	ug/l	521496	4	12.07	761087	50.0