

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121518\
 Data File : VW007469.D
 Acq On : 13 Dec 2018 05:15
 Operator : SY/AP
 Sample : J6329-01
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 071-PIPE-1

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_W\METHOD\82W121118S.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	7.885	973	981	986	rBV2	6977	15727	1.60%	0.072%
2	7.946	986	991	998	rVV	11675	24883	2.54%	0.114%
3	8.031	998	1005	1015	rVB2	9564	22563	2.30%	0.103%
4	8.305	1043	1050	1058	rVB2	7303	16372	1.67%	0.075%
5	8.482	1073	1079	1088	rVV3	7316	23320	2.38%	0.107%
6	8.573	1088	1094	1102	rVB3	9074	18788	1.92%	0.086%
7	8.842	1130	1138	1147	rBV	20657	45252	4.62%	0.207%
8	9.073	1167	1176	1182	rBV	14385	30726	3.14%	0.141%
9	9.311	1205	1215	1216	rBV3	33278	69841	7.13%	0.320%
10	9.384	1223	1227	1235	rVB2	25266	50102	5.11%	0.229%
11	9.531	1244	1251	1255	rBV2	17482	36012	3.68%	0.165%
12	9.610	1255	1264	1271	rVB2	58138	134167	13.69%	0.614%
13	9.683	1271	1276	1281	rVB2	8876	16757	1.71%	0.077%
14	9.756	1281	1288	1301	rVB2	56936	118195	12.06%	0.541%
15	9.896	1301	1311	1316	rBV2	59246	127288	12.99%	0.583%
16	9.994	1323	1327	1334	rVB5	25725	61042	6.23%	0.279%
17	10.079	1334	1341	1347	rBV3	39992	83905	8.56%	0.384%
18	10.146	1347	1352	1357	rVB3	19566	37409	3.82%	0.171%
19	10.250	1357	1369	1375	rBV2	169839	331519	33.83%	1.517%
20	10.323	1375	1381	1384	rBV2	96917	182074	18.58%	0.833%
21	10.360	1384	1387	1393	rVB	59579	98950	10.10%	0.453%
22	10.451	1393	1402	1403	rBV3	18955	33134	3.38%	0.152%
23	10.500	1403	1410	1420	rVB5	74296	233426	23.82%	1.068%
24	10.610	1421	1428	1433	rBV3	76476	159746	16.30%	0.731%
25	10.665	1433	1437	1443	rVB	119418	202151	20.63%	0.925%
26	10.750	1443	1451	1459	rBV5	130499	373026	38.07%	1.707%
27	10.847	1463	1467	1472	rVB4	53500	95520	9.75%	0.437%
28	10.939	1472	1482	1488	rBV	172577	345398	35.25%	1.581%
29	11.036	1488	1498	1506	rBV3	138924	400914	40.91%	1.835%
30	11.110	1506	1510	1513	rBV4	42629	74869	7.64%	0.343%
31	11.146	1513	1516	1519	rVB2	41776	52982	5.41%	0.242%
32	11.232	1519	1530	1535	rBV	280350	557829	56.93%	2.553%
33	11.286	1535	1539	1543	rVV2	87040	131260	13.40%	0.601%
34	11.335	1543	1547	1551	rVB4	92729	152761	15.59%	0.699%

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Integration Parameters: RTEINT.P

Integrator: RTE
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35	11.390	1551	1556	1559	rBV4	54669	114053	11.64%	0.522%
36	11.439	1560	1564	1573	rVB3	191446	387872	39.58%	1.775%
37	11.549	1573	1582	1591	rBV9	58019	251774	25.69%	1.152%
38	11.634	1591	1596	1600	rBV2	72976	128237	13.09%	0.587%
39	11.731	1608	1612	1614	rBV3	36912	57472	5.87%	0.263%
40	11.768	1614	1618	1622	rVB4	100836	146867	14.99%	0.672%
41	11.823	1622	1627	1631	rVB4	80387	131474	13.42%	0.602%
42	11.878	1631	1636	1639	rBV2	178925	334983	34.19%	1.533%
43	11.920	1640	1643	1647	rVB3	151057	226612	23.13%	1.037%
44	11.975	1647	1652	1656	rBV4	51572	101433	10.35%	0.464%
45	12.036	1657	1662	1665	rBV3	42262	81744	8.34%	0.374%
46	12.073	1665	1668	1673	rVB3	68069	100890	10.30%	0.462%
47	12.140	1673	1679	1685	rBV3	315601	691075	70.53%	3.163%
48	12.195	1685	1688	1690	rBV2	45656	48962	5.00%	0.224%
49	12.256	1691	1698	1702	rVB	387916	675997	68.99%	3.094%
50	12.341	1702	1712	1722	rBV4	307127	979878	100.00%	4.484%
51	12.433	1722	1727	1728	rBV4	74888	130105	13.28%	0.595%
52	12.518	1737	1741	1748	rVB5	126773	305372	31.16%	1.398%
53	12.615	1753	1757	1761	rBV6	83335	140734	14.36%	0.644%
54	12.701	1767	1771	1776	rBV4	164993	281761	28.75%	1.289%
55	12.786	1781	1785	1791	rVB3	279974	513119	52.37%	2.348%
56	12.859	1791	1797	1801	rBV5	130686	290576	29.65%	1.330%
57	12.932	1804	1809	1815	rBV7	132494	333805	34.07%	1.528%
58	13.079	1826	1833	1837	rVB4	211547	436056	44.50%	1.996%
59	13.134	1837	1842	1845	rBV	347551	603539	61.59%	2.762%
60	13.170	1845	1848	1853	rVB2	440078	655698	66.92%	3.001%
61	13.298	1865	1869	1874	rBV2	196949	301066	30.72%	1.378%
62	13.347	1874	1877	1881	rBV4	141740	231777	23.65%	1.061%
63	13.487	1896	1900	1904	rVB	284738	387042	39.50%	1.771%
64	13.829	1949	1956	1958	rBV4	112599	267016	27.25%	1.222%
65	13.884	1960	1965	1970	rVV3	451367	811033	82.77%	3.712%
66	13.987	1979	1982	1985	rBV5	107252	162612	16.60%	0.744%
67	14.140	2003	2007	2012	rVB4	315981	534617	54.56%	2.447%
68	14.201	2013	2017	2024	rBV6	228758	461098	47.06%	2.110%
69	14.268	2024	2028	2034	rBV4	227371	379907	38.77%	1.739%
70	14.322	2035	2037	2039	rBV2	70791	83178	8.49%	0.381%
71	14.359	2040	2043	2045	rVV3	156588	241467	24.64%	1.105%

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Integration Parameters: RTEINT.P

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Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	14.390	2045	2048	2052	rVV2	413373	683107	69.71%	3.126%
73	14.426	2052	2054	2062	rVB4	285384	409541	41.80%	1.874%
74	14.505	2062	2067	2070	rBV	347670	527892	53.87%	2.416%
75	14.554	2071	2075	2080	rBV6	196460	319298	32.59%	1.461%
76	14.713	2097	2101	2103	rBV2	148823	216050	22.05%	0.989%
77	14.810	2113	2117	2119	rBV2	126365	222952	22.75%	1.020%
78	14.853	2120	2124	2131	rVB2	422930	888466	90.67%	4.066%
79	15.072	2156	2160	2164	rVB	330250	460995	47.05%	2.110%
80	15.182	2173	2178	2184	rVB2	333171	631495	64.45%	2.890%
81	15.341	2199	2204	2212	rVB5	364402	705066	71.95%	3.227%
82	15.682	2250	2260	2264	rBV8	74868	235227	24.01%	1.077%
83	15.743	2267	2270	2275	rVB3	80216	126522	12.91%	0.579%
84	16.645	2415	2418	2432	rVB9	16265	55062	5.62%	0.252%

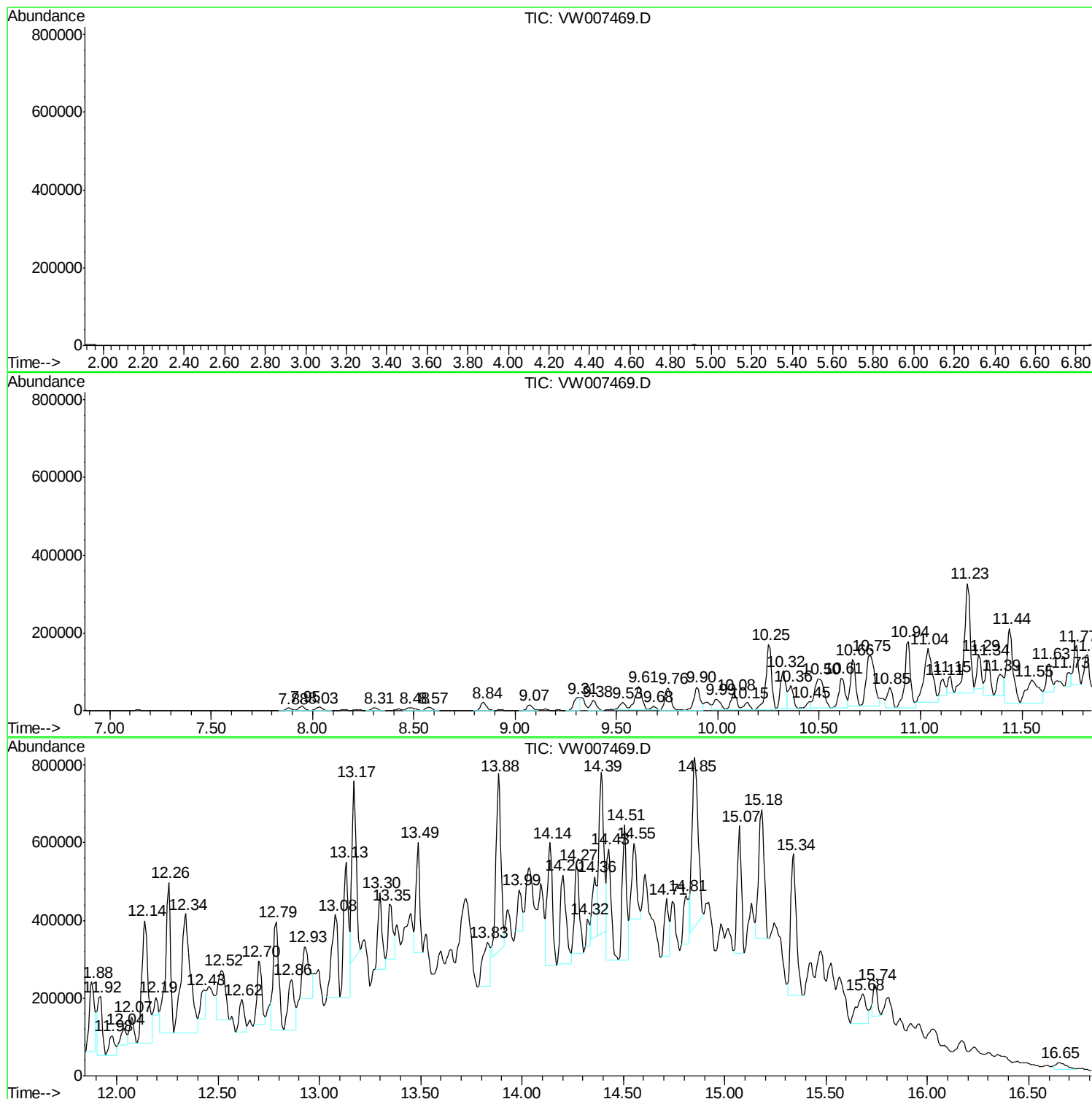
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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



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ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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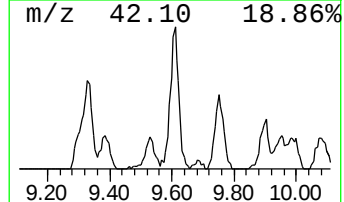
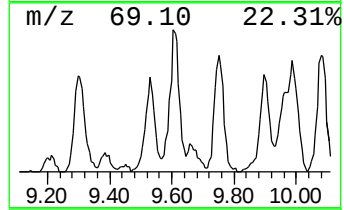
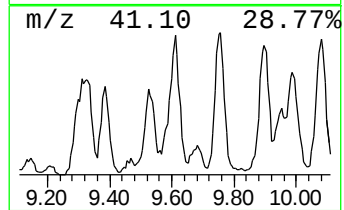
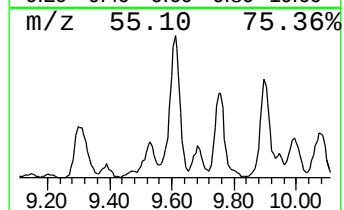
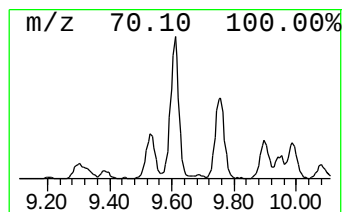
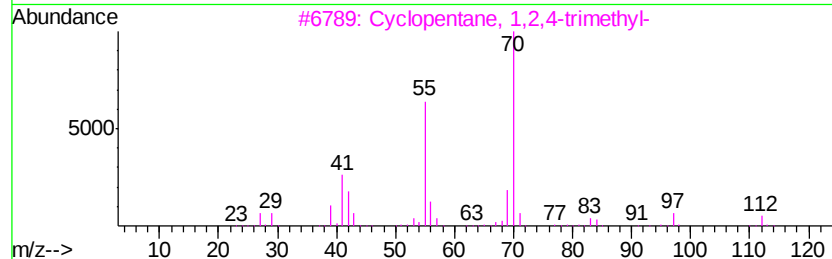
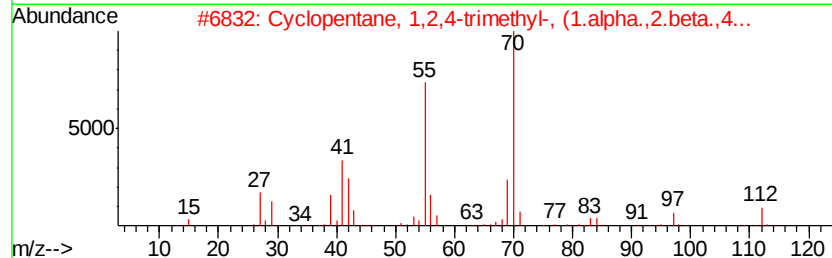
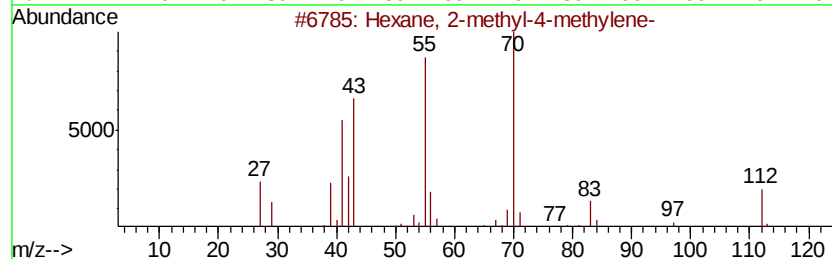
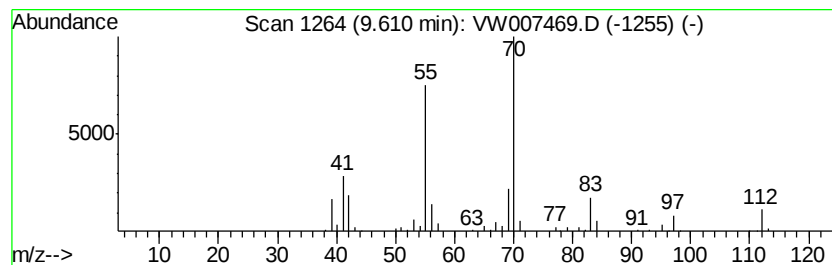
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 1 Hexane, 2-methyl-4-methylene- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	148.24 ug/l	134167	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	91
2		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
3		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
4		Heptane, 3-methylene-	112	C8H16	001632-16-2	86
5		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72



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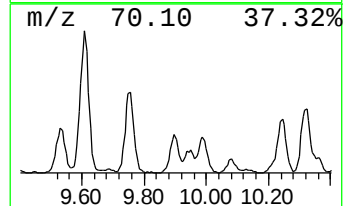
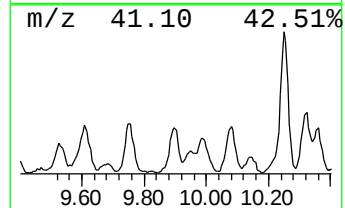
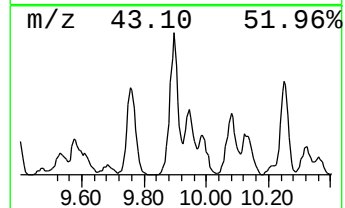
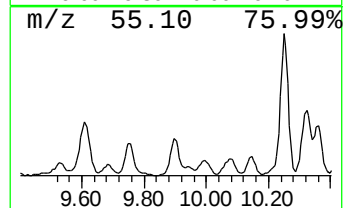
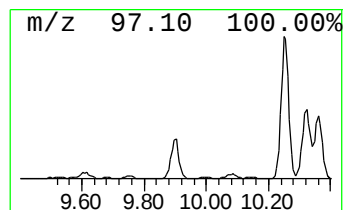
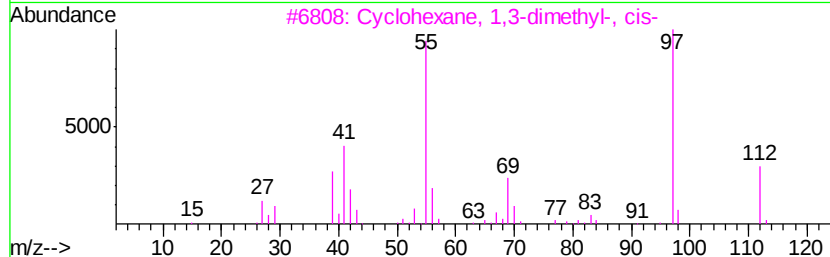
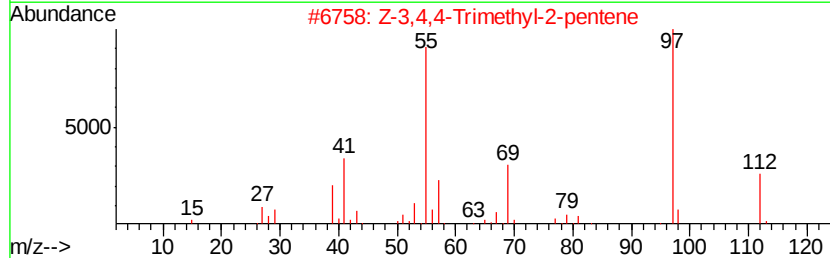
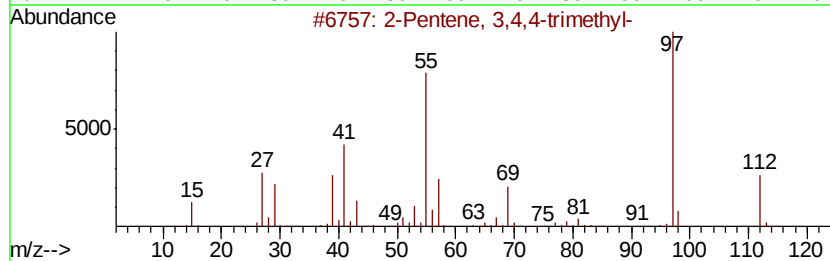
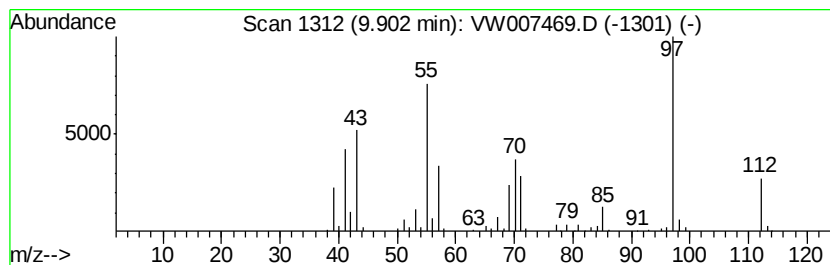
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentene, 3,4,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	140.64 ug/l	127288	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	60
2		Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	60
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	58
4		2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	53
5		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	53



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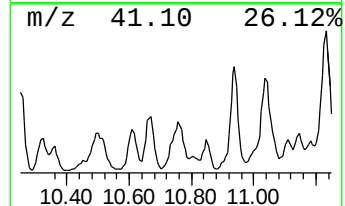
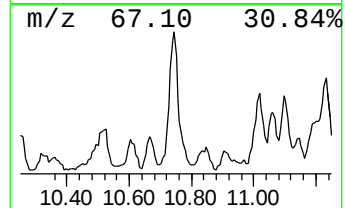
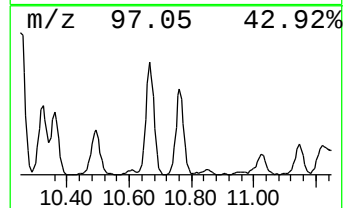
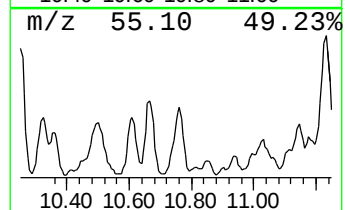
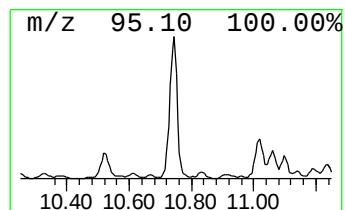
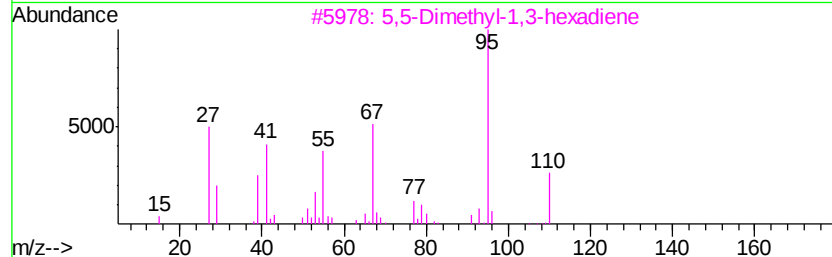
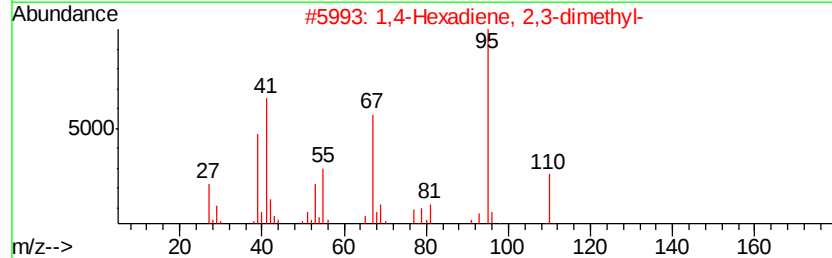
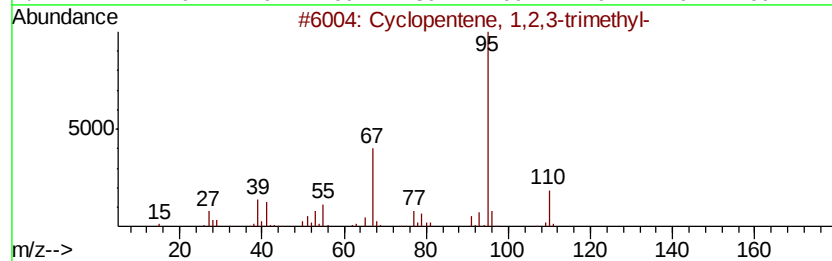
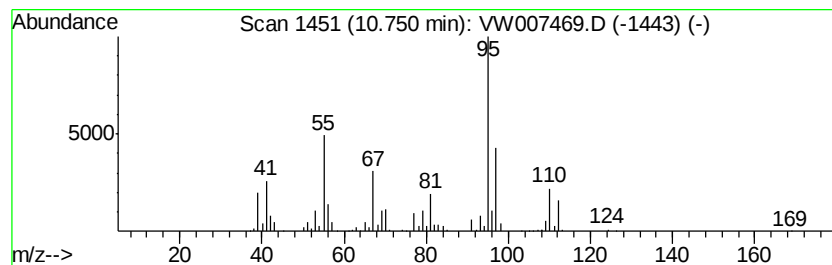
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 3 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	145.44 ug/l	373026	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	70
2		1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	58
3		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	53
4		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	52
5		Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	50



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ClientSampled :
071-PIPE-1

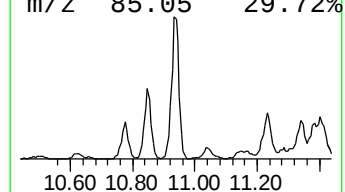
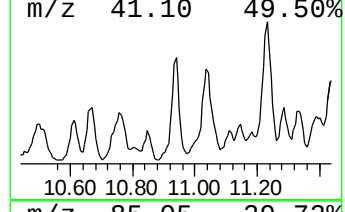
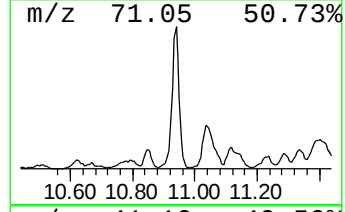
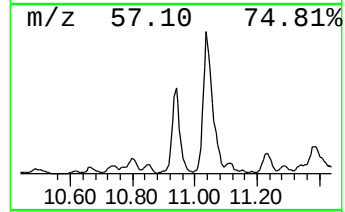
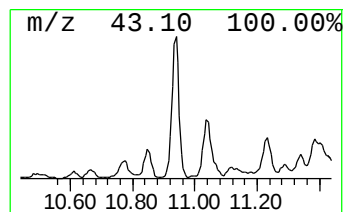
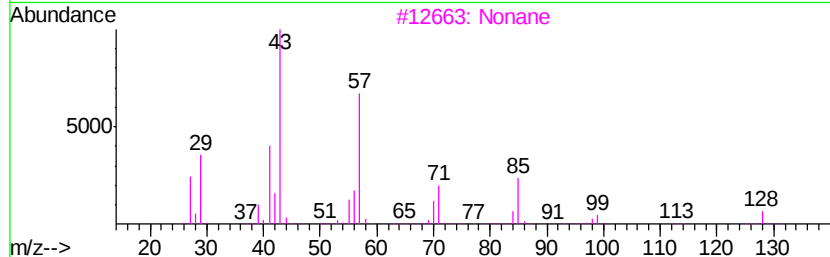
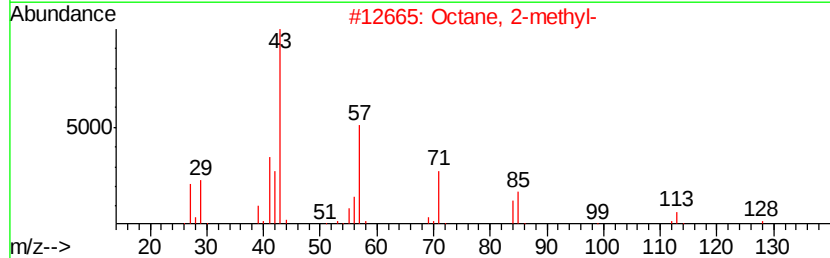
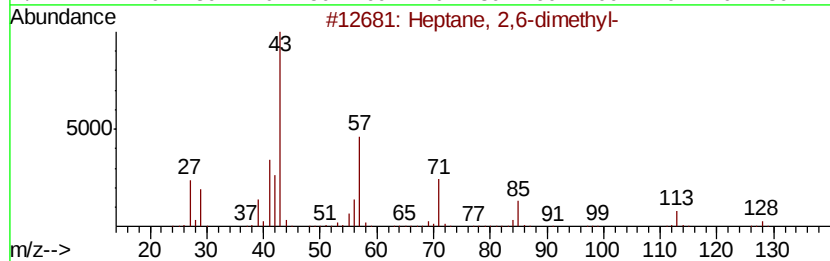
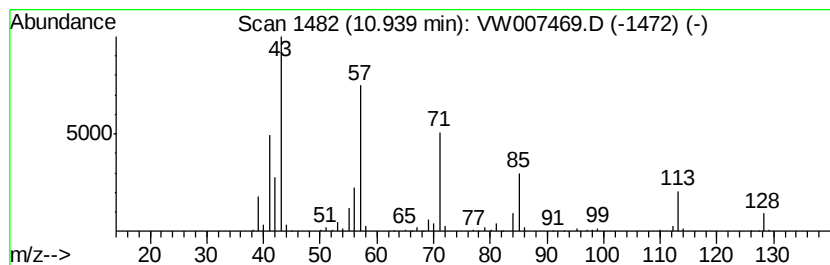
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Quant Title : SW846 8260

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

Peak Number 4 Heptane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	134.67 ug/l	345398	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	94
2		Octane, 2-methyl-	128	C9H20	003221-61-2	64
3		Nonane	128	C9H20	000111-84-2	58
4		Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	53
5		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121518\
Data File : VW007469.D
Acq On : 13 Dec 2018 05:15
Operator : SY/AP
Sample : J6329-01
Misc : 5.04G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

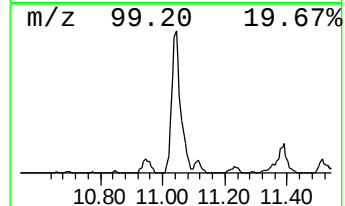
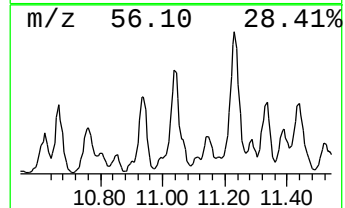
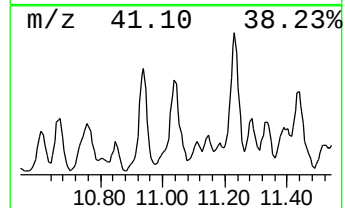
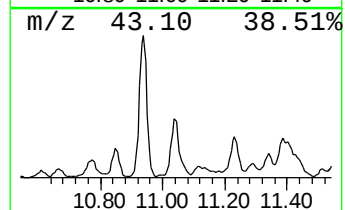
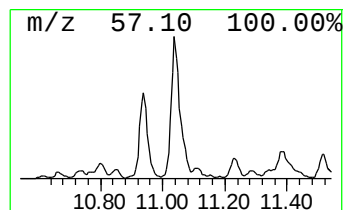
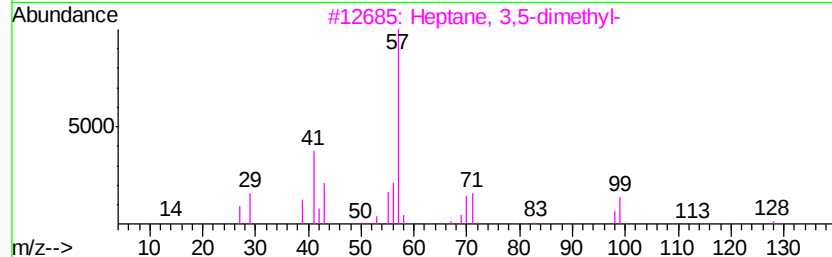
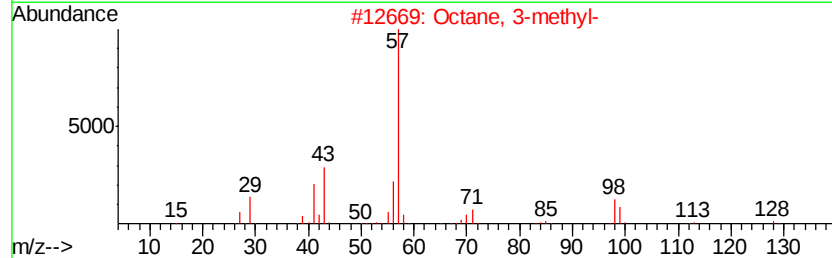
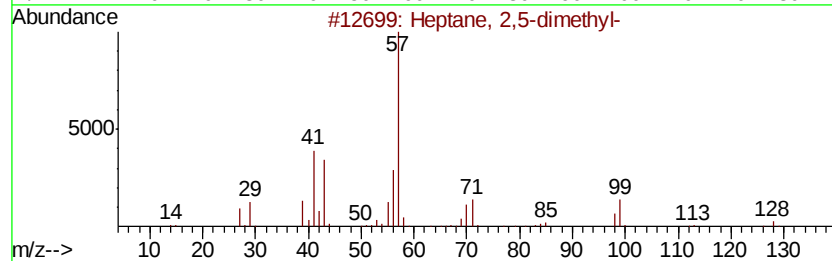
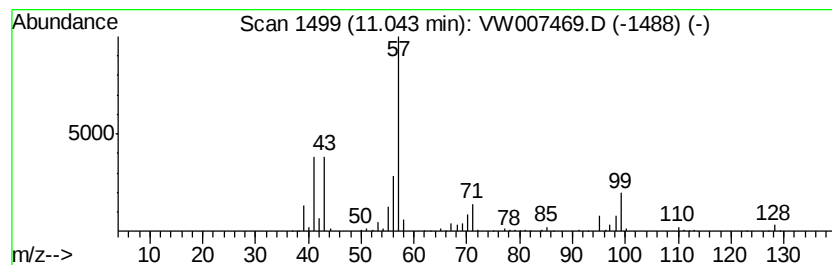
Instrument :
MSVOA_W
ClientSampled :
071-PIPE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 5 Heptane, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.04	156.32 ug/l	400914	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Octane, 3-methyl-	128	C9H20	002216-33-3	72
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	68
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
5	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121518\
Data File : VW007469.D
Acq On : 13 Dec 2018 05:15
Operator : SY/AP
Sample : J6329-01
Misc : 5.04G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

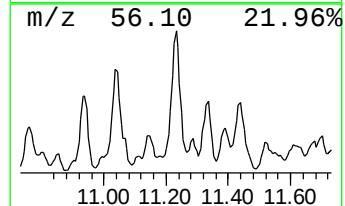
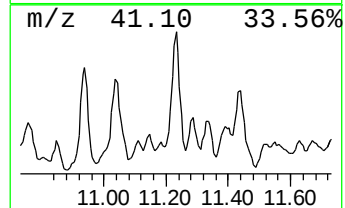
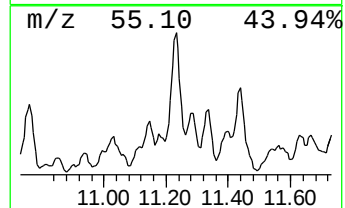
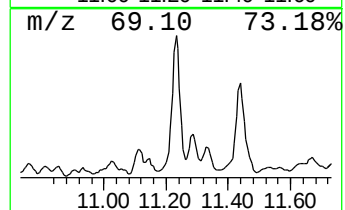
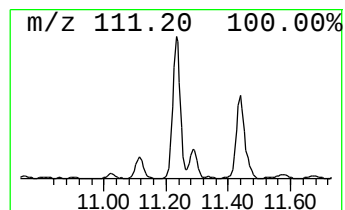
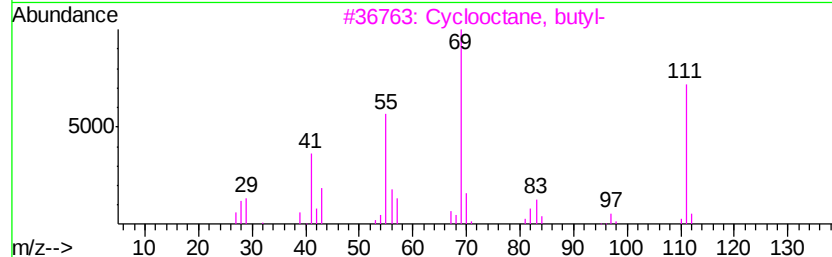
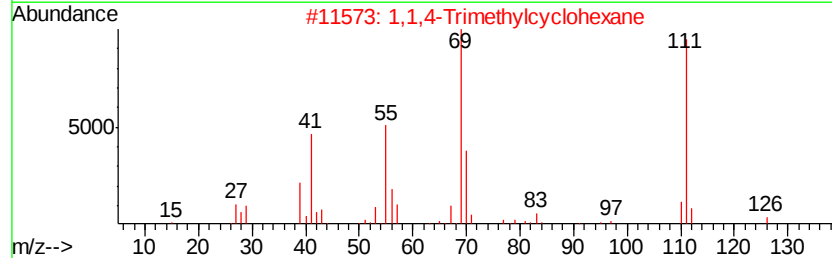
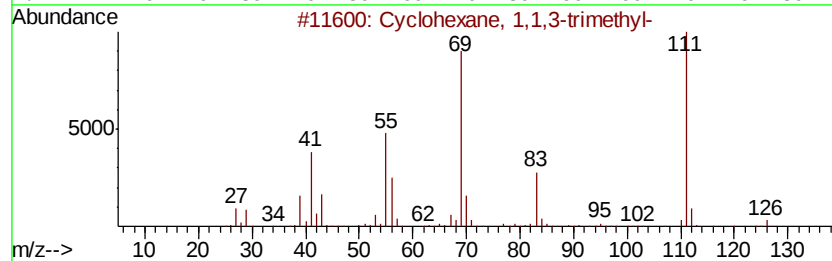
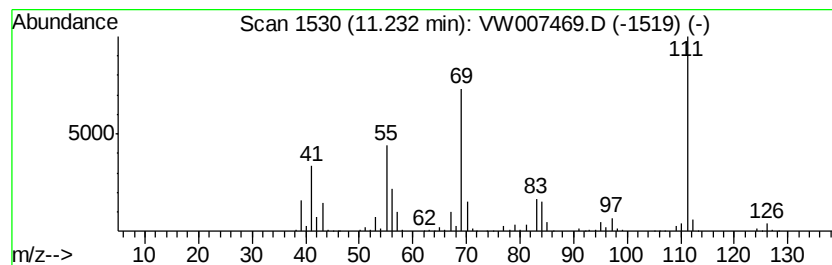
Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	217.50 ug/l	557829	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
2		1,1,4-Trimethylcvclohexane	126	C9H18	007094-27-1	80
3		Cvclooctane, butvl-	168	C12H24	016538-93-5	50
4		Pyrazol-4-amine, 1,5-dimethyl-	111	C5H9N3	121983-36-6	43
5		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121518\
Data File : VW007469.D
Acq On : 13 Dec 2018 05:15
Operator : SY/AP
Sample : J6329-01
Misc : 5.04G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

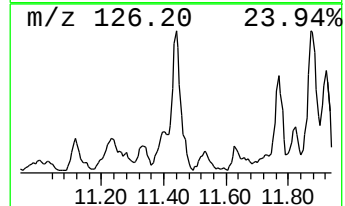
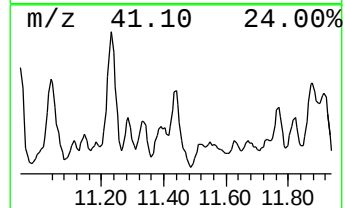
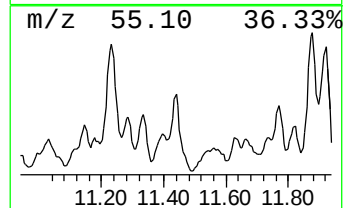
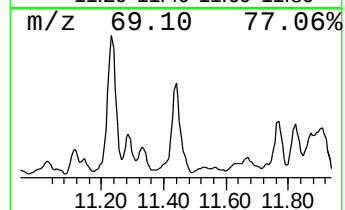
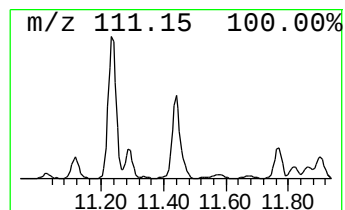
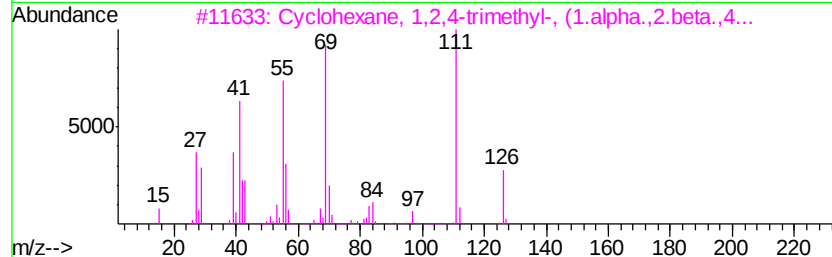
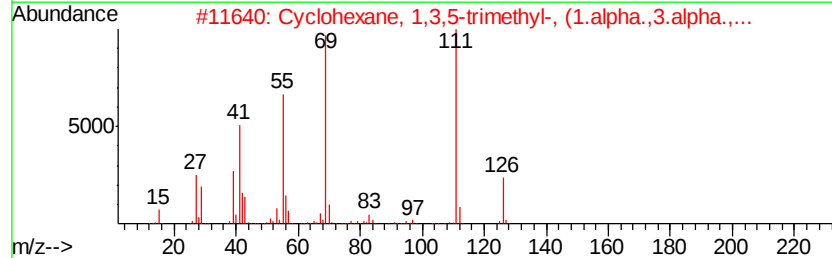
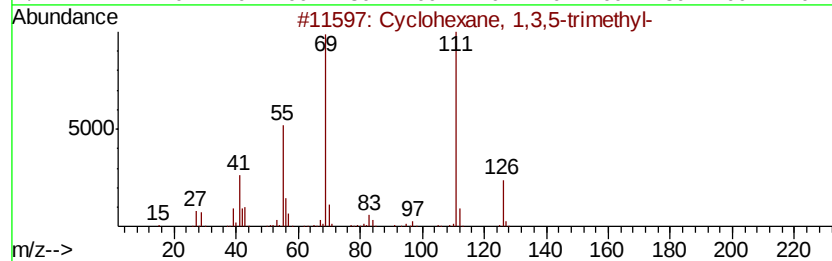
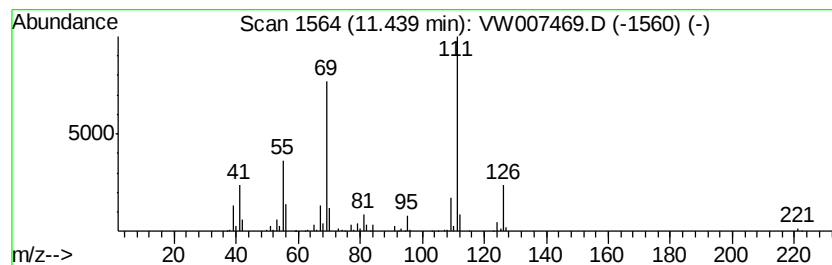
Instrument :
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ClientSampleId :
071-PIPE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, 1,3,5-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.44	151.23 ug/l	387872	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
2		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83
3		Cvclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	80
4		2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	64
5		Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121518\
Data File : VW007469.D
Acq On : 13 Dec 2018 05:15
Operator : SY/AP
Sample : J6329-01
Misc : 5.04G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1

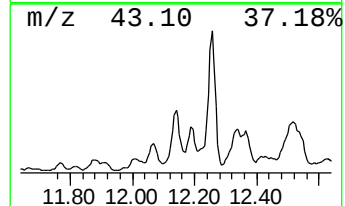
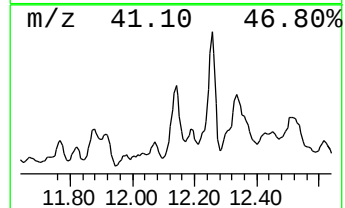
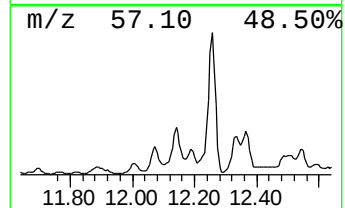
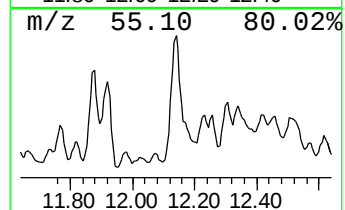
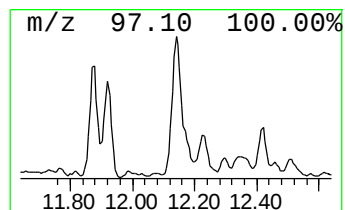
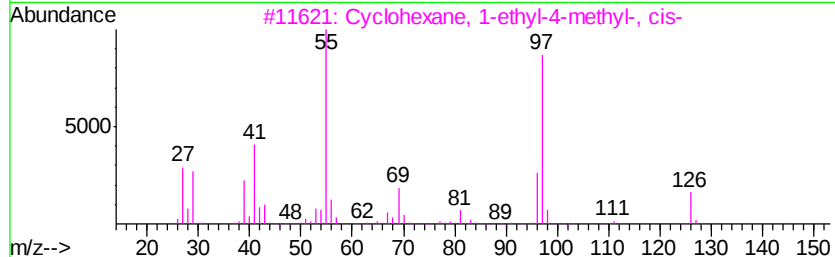
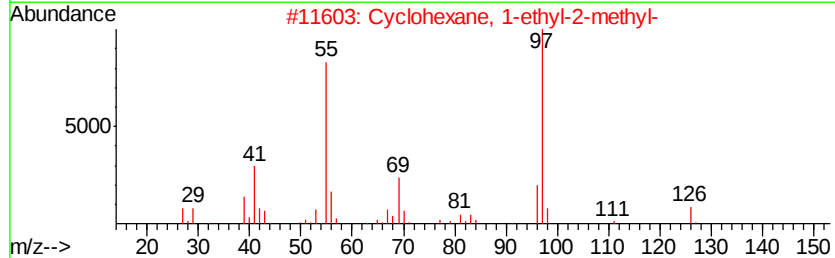
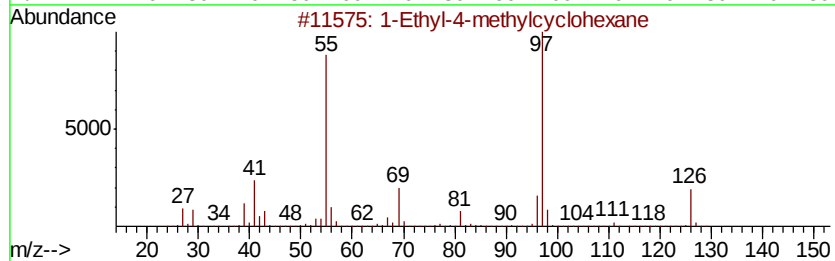
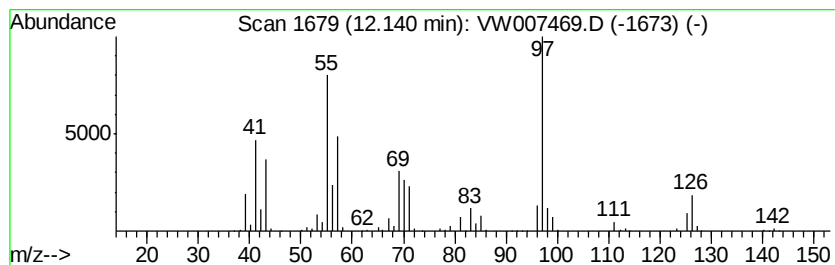
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 8 1-Ethyl-4-methylcyclohexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	269.45 ug/l	691075	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcvclohexane	126	C9H18	003728-56-1	58
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52
5		2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121518\
Data File : VW007469.D
Acq On : 13 Dec 2018 05:15
Operator : SY/AP
Sample : J6329-01
Misc : 5.04G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

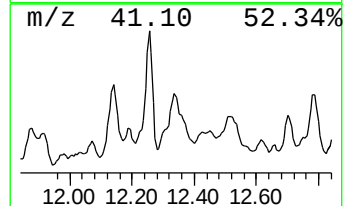
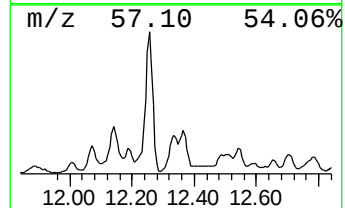
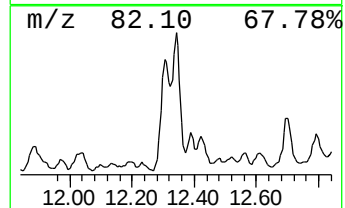
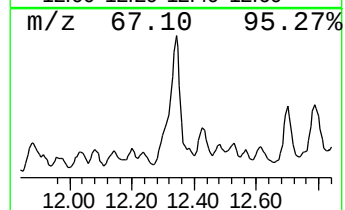
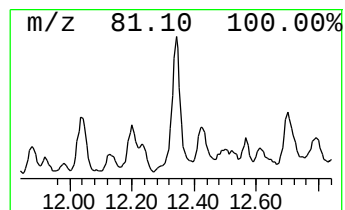
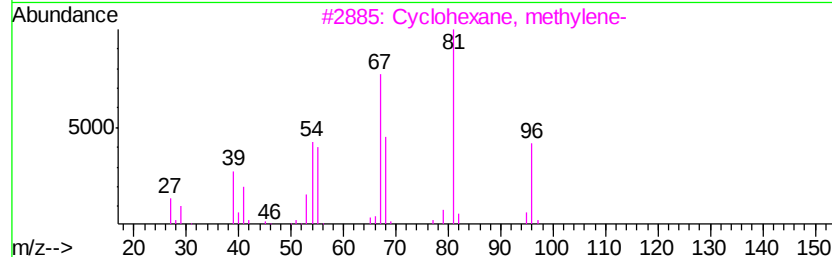
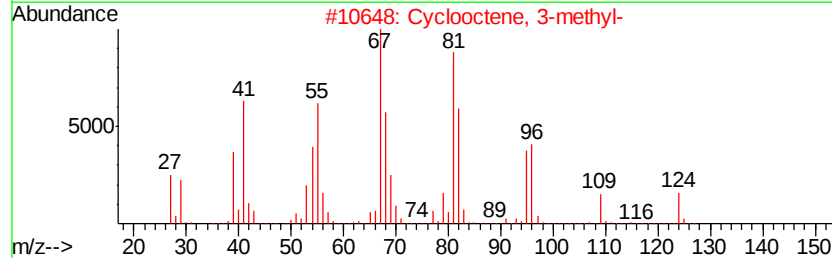
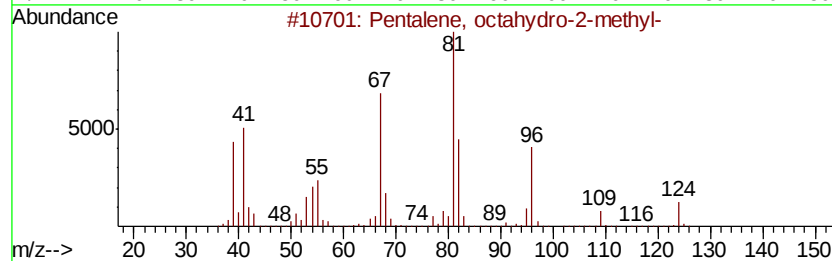
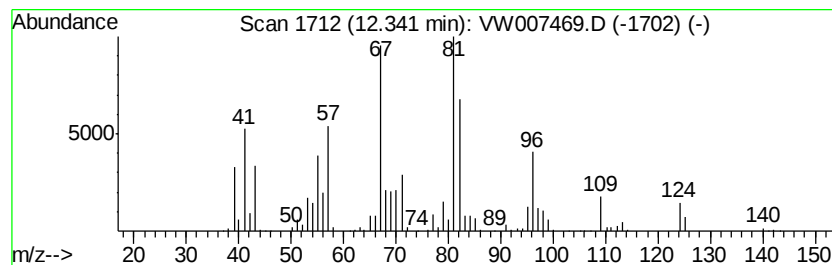
Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

Peak Number 10 Pentalene, octahydro-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.34	382.06 ug/l	979878	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	87
2		Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	83
3		Cyclohexane, methylene-	96	C7H12	001192-37-6	70
4		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	50
5		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121518\
Data File : VW007469.D
Acq On : 13 Dec 2018 05:15
Operator : SY/AP
Sample : J6329-01
Misc : 5.04G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
071-PIPE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.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
Hexane, 2-methyl-...	9.61	148.2	ug/l	134167	2	8.84	45252	50.0
2-Pentene, 3,4,4-...	9.90	140.6	ug/l	127288	2	8.84	45252	50.0
Cyclopentene, 1,2...	10.75	145.4	ug/l	373026	3	11.63	128237	50.0
Heptane, 2,6-dime...	10.94	134.7	ug/l	345398	3	11.63	128237	50.0
Heptane, 2,5-dime...	11.04	156.3	ug/l	400914	3	11.63	128237	50.0
Cyclohexane, 1,1,...	11.23	217.5	ug/l	557829	3	11.63	128237	50.0
Cyclohexane, 1,3,...	11.44	151.2	ug/l	387872	3	11.63	128237	50.0
1-Ethyl-4-methylc...	12.14	269.4	ug/l	691075	3	11.63	128237	50.0
Pentalene, octahy...	12.34	382.1	ug/l	979878	3	11.63	128237	50.0