

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064730.D
 Acq On : 19 Nov 2020 14:01
 Operator : JC/MD
 Sample : L4783-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

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_N\METHODS\82N111820W.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	2.164	117	132	144	rVB	176956	280228	2.01%	0.216%
2	2.779	308	323	349	rBV	1306140	2681193	19.24%	2.067%
3	3.123	410	430	456	rVB5	723521	2195335	15.75%	1.692%
4	3.287	467	481	499	rVB	165246	352801	2.53%	0.272%
5	3.524	538	555	584	rVB	2403826	5773588	41.42%	4.451%
6	3.759	607	628	655	rVB2	328420	1009610	7.24%	0.778%
7	4.383	793	822	838	rBV	778411	2330719	16.72%	1.797%
8	4.486	839	854	862	rBV2	278189	844139	6.06%	0.651%
9	4.743	919	934	965	rVB3	138209	491051	3.52%	0.379%
10	4.997	985	1013	1042	rBV3	418459	1554953	11.16%	1.199%
11	5.325	1092	1115	1137	rBV3	72691	246276	1.77%	0.190%
12	5.518	1151	1175	1202	rBV5	68305	225320	1.62%	0.174%
13	5.878	1263	1287	1311	rBV2	538225	1668068	11.97%	1.286%
14	6.020	1311	1331	1347	rBV2	294181	933605	6.70%	0.720%
15	6.110	1349	1359	1376	rVB4	97573	279701	2.01%	0.216%
16	6.325	1407	1426	1453	rBV3	352097	1059722	7.60%	0.817%
17	6.473	1456	1472	1486	rBV2	94294	271507	1.95%	0.209%
18	6.582	1486	1506	1522	rBV	733058	2271800	16.30%	1.751%
19	7.347	1729	1744	1767	rVB	1169848	3027690	21.72%	2.334%
20	7.550	1782	1807	1814	rBV	228206	645376	4.63%	0.497%
21	7.618	1815	1828	1843	rVV6	827638	2418103	17.35%	1.864%
22	7.704	1845	1855	1878	rVB3	250625	705297	5.06%	0.544%
23	7.836	1878	1896	1911	rBV2	207226	519211	3.72%	0.400%
24	8.003	1927	1948	1968	rBV	5186166	12505188	89.72%	9.640%
25	8.164	1971	1998	2021	rVV4	794584	3818375	27.39%	2.943%
26	8.267	2022	2030	2050	rVV3	102453	280333	2.01%	0.216%
27	8.376	2052	2064	2085	rVB5	68821	223123	1.60%	0.172%
28	8.547	2098	2117	2141	rBV3	1155110	2975928	21.35%	2.294%
29	8.785	2179	2191	2198	rVV2	221912	466735	3.35%	0.360%
30	8.826	2199	2204	2226	rVB	218482	434635	3.12%	0.335%
31	9.048	2246	2273	2285	rBV5	471436	1355962	9.73%	1.045%
32	9.109	2285	2292	2304	rVV3	101413	195544	1.40%	0.151%
33	9.187	2305	2316	2324	rVV2	71655	149665	1.07%	0.115%
34	9.238	2324	2332	2346	rVB4	114104	253096	1.82%	0.195%

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35	9.399	2373	2382	2388	rBV6	110280	216038	1.55%	0.167%
36	9.489	2399	2410	2425	rVB	628310	1242470	8.91%	0.958%
37	9.585	2425	2440	2442	rBV	430401	665021	4.77%	0.513%
38	9.621	2443	2451	2468	rVB3	1070834	2496545	17.91%	1.924%
39	9.820	2499	2513	2523	rBV7	93379	249325	1.79%	0.192%
40	9.936	2539	2549	2558	rBV2	271054	472018	3.39%	0.364%
41	9.994	2558	2567	2576	rVB	334925	554819	3.98%	0.428%
42	10.058	2576	2587	2598	rBV	1214879	2214855	15.89%	1.707%
43	10.122	2598	2607	2620	rVB	1148290	2027436	14.55%	1.563%
44	10.489	2712	2721	2738	rVB4	166186	365685	2.62%	0.282%
45	10.576	2738	2748	2764	rVB2	166633	322038	2.31%	0.248%
46	10.765	2793	2807	2825	rVB	425859	772636	5.54%	0.596%
47	11.379	2985	2998	3011	rBV	968423	1698227	12.18%	1.309%
48	11.482	3016	3030	3050	rVB	8284498	13938708	100.00%	10.745%
49	11.592	3052	3064	3075	rBV	312409	604580	4.34%	0.466%
50	12.222	3247	3260	3274	rBV	4258431	6936231	49.76%	5.347%
51	12.376	3297	3308	3326	rVB	820721	1393412	10.00%	1.074%
52	12.566	3353	3367	3386	rBV	4846510	7683444	55.12%	5.923%
53	12.865	3446	3460	3474	rBV	951265	1535929	11.02%	1.184%
54	13.141	3530	3546	3558	rBV4	215029	520904	3.74%	0.402%
55	13.315	3588	3600	3619	rBV2	982565	1863906	13.37%	1.437%
56	13.518	3641	3663	3673	rBV	5248992	9651538	69.24%	7.440%
57	13.569	3673	3679	3682	rBV2	137278	171885	1.23%	0.132%
58	13.646	3694	3703	3713	rBV	126452	197864	1.42%	0.153%
59	13.714	3713	3724	3735	rVB	508705	809754	5.81%	0.624%
60	13.862	3757	3770	3780	rBV	1725459	2640725	18.95%	2.036%
61	13.920	3780	3788	3794	rVV	182620	292404	2.10%	0.225%
62	13.968	3794	3803	3815	rVB2	740078	1200669	8.61%	0.926%
63	14.183	3852	3870	3888	rBV	1138470	1829853	13.13%	1.411%
64	14.341	3910	3919	3930	rBV2	110857	173918	1.25%	0.134%
65	14.450	3943	3953	3962	rBV	690401	1068764	7.67%	0.824%
66	14.563	3974	3988	4000	rBV3	1554645	3153062	22.62%	2.431%
67	14.627	4000	4008	4019	rVB4	140759	238220	1.71%	0.184%
68	14.714	4025	4035	4048	rBV2	146914	234864	1.68%	0.181%
69	14.823	4050	4069	4077	rBV3	236886	496496	3.56%	0.383%
70	14.929	4090	4102	4113	rVB3	190197	389948	2.80%	0.301%
71	15.103	4136	4156	4168	rBV	2205510	3790779	27.20%	2.922%

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Integration Parameters: RTEINT.P

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72	15.383	4231	4243	4255	rBV2	103180	184775	1.33%	0.142%
73	15.540	4274	4292	4311	rBV3	63986	218268	1.57%	0.168%
74	16.119	4462	4472	4487	rVB	144420	275832	1.98%	0.213%
75	16.312	4517	4532	4547	rBV2	221478	488118	3.50%	0.376%

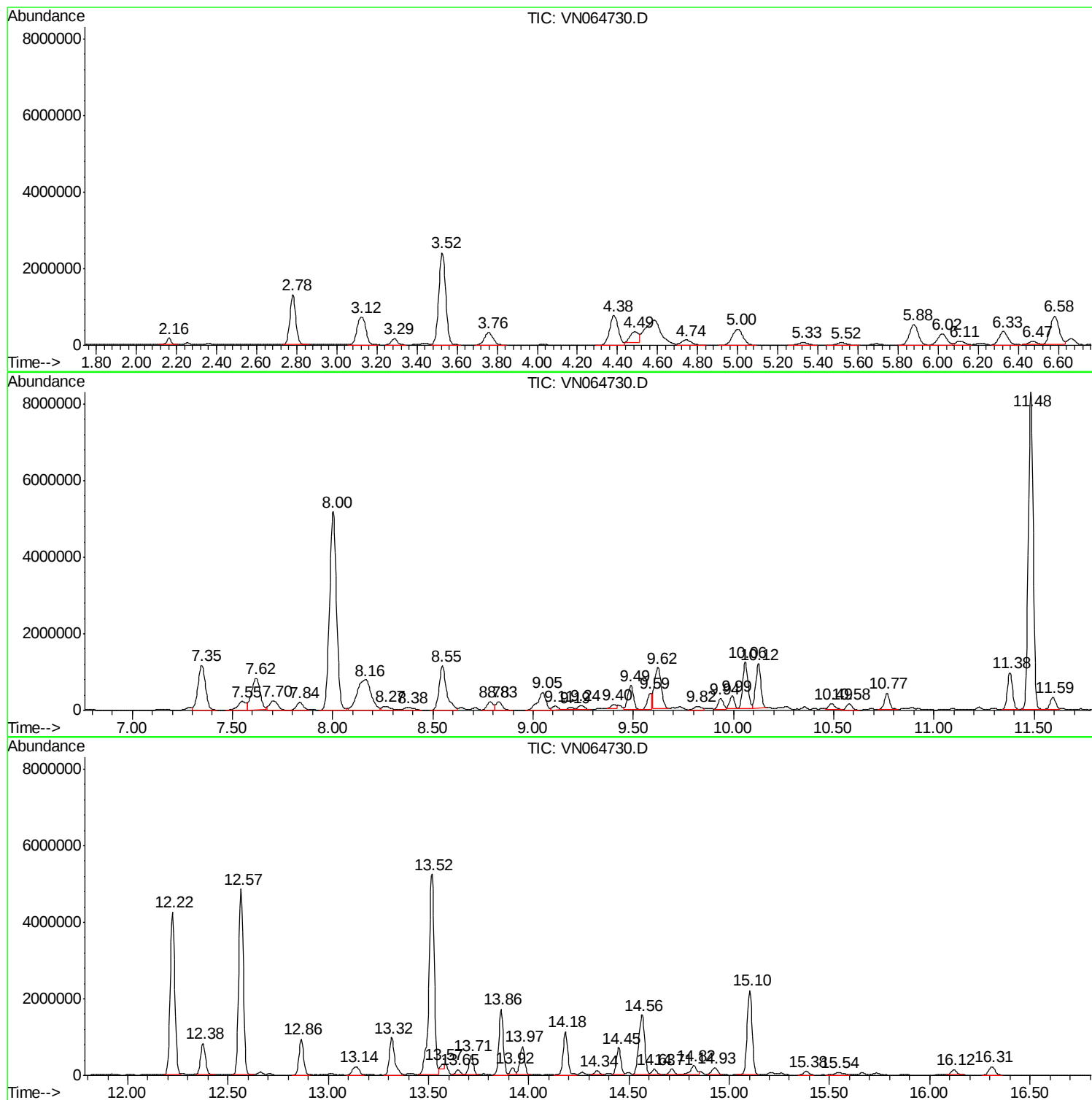
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

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



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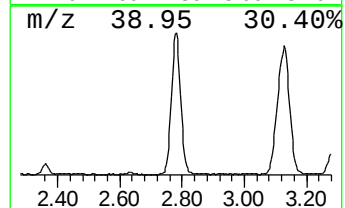
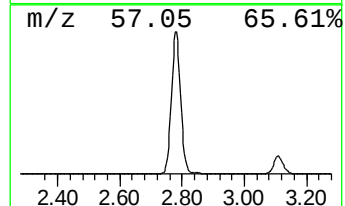
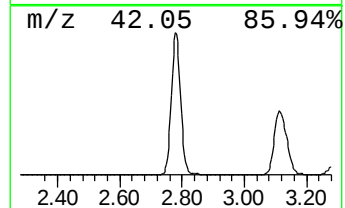
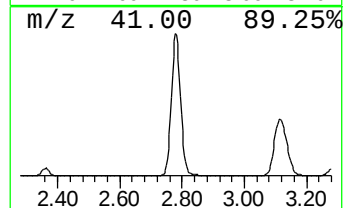
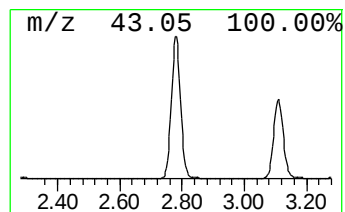
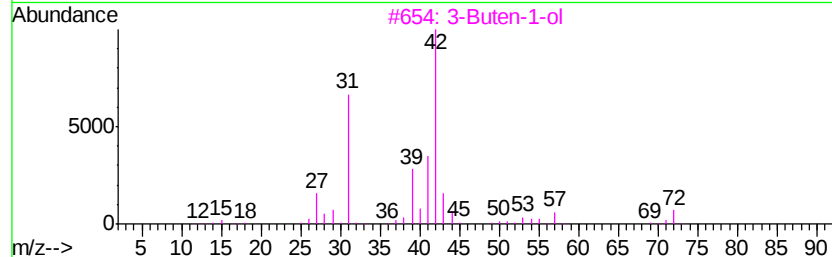
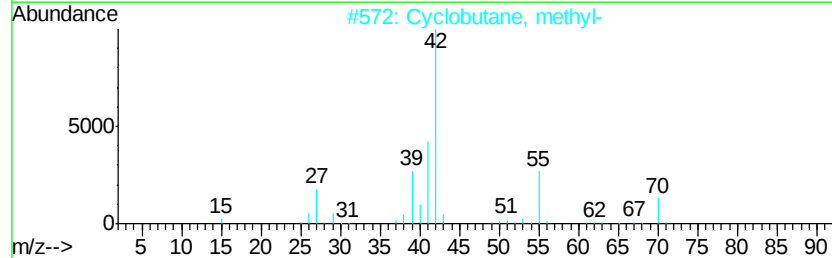
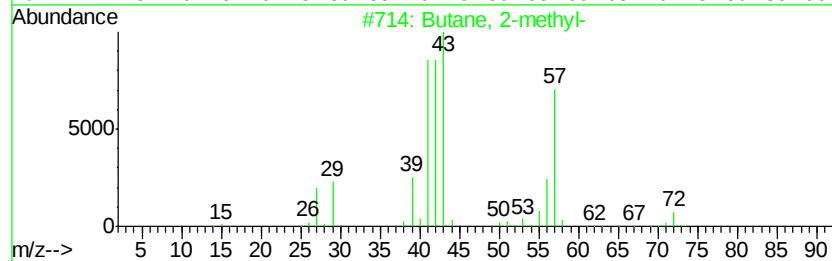
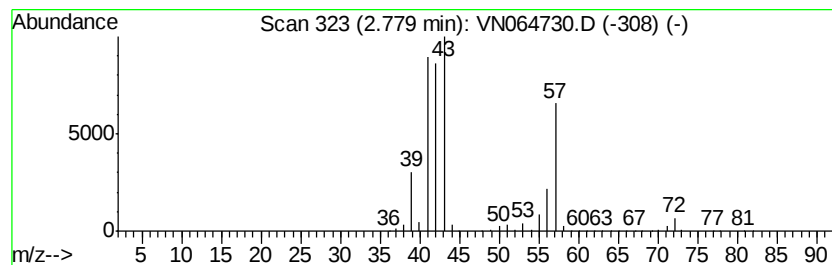
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	55.44 ug/l	2681190	Pentafluorobenzene	7.62

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94	
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	47	
3	3-Buten-1-ol	72	C4H8O	000627-27-0	38	
4	Pentane	72	C5H12	000109-66-0	36	
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9	



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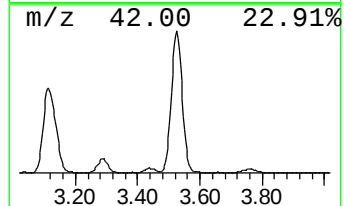
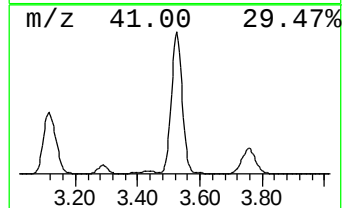
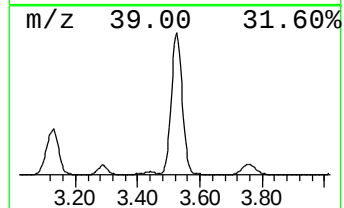
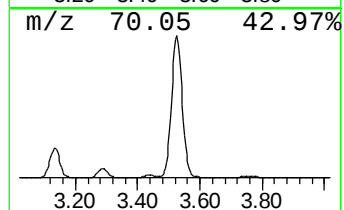
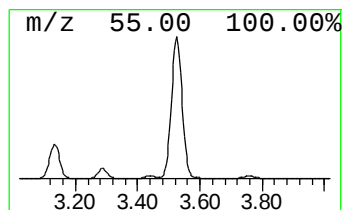
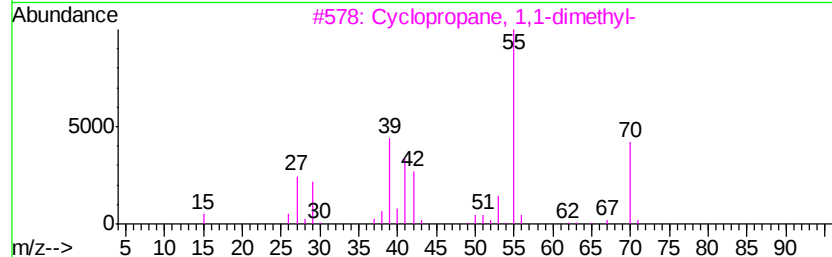
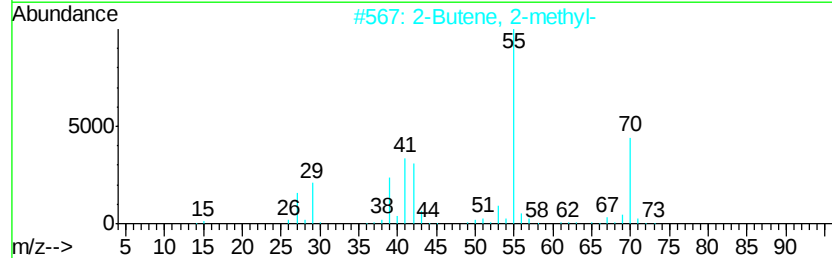
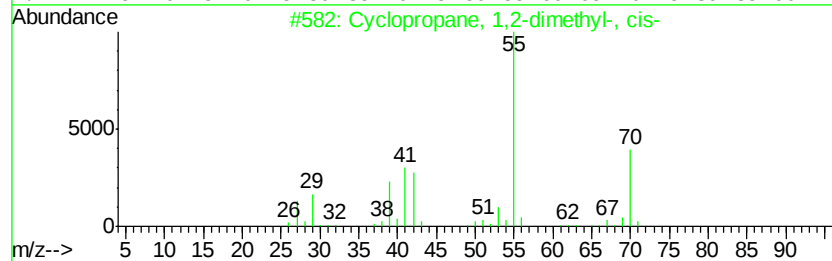
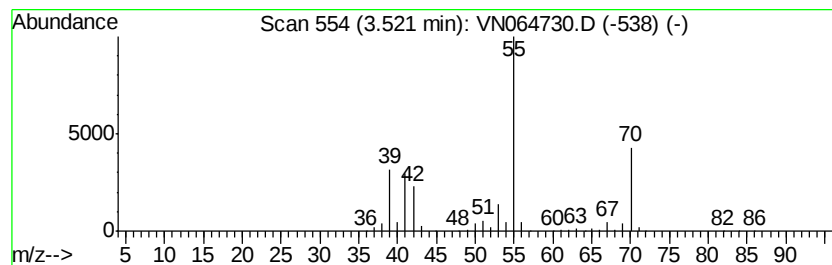
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclopropane, 1,2-dimethyl-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	119.38 ug/l	5773590	Pentafluorobenzene	7.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2		2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
3		Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
4		1-Butene, 3-methyl-	70	C5H10	000563-45-1	78
5		Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	76



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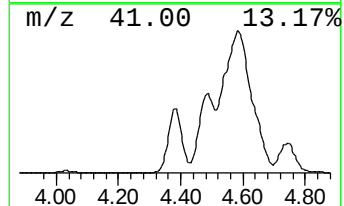
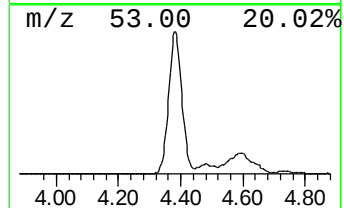
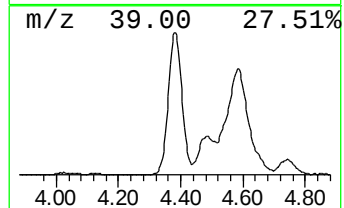
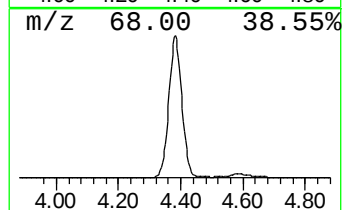
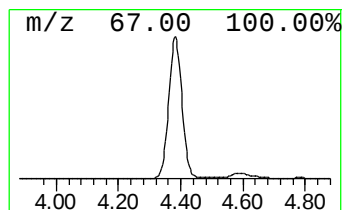
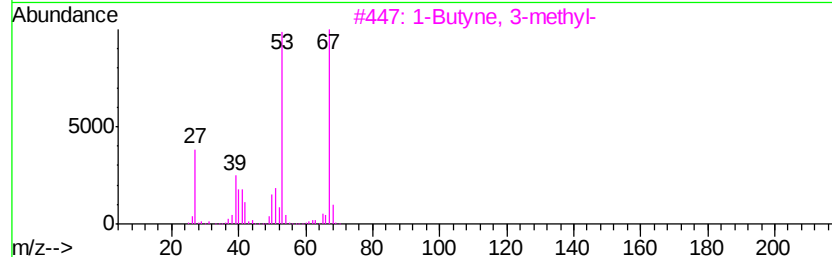
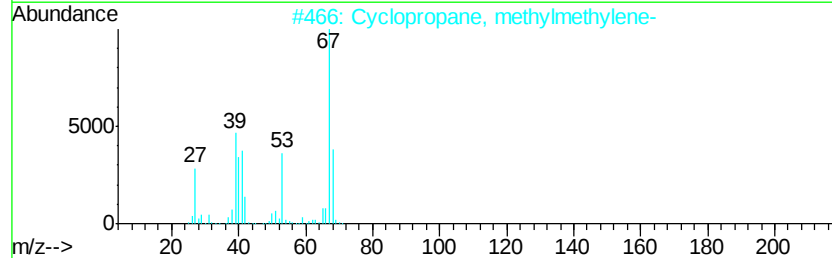
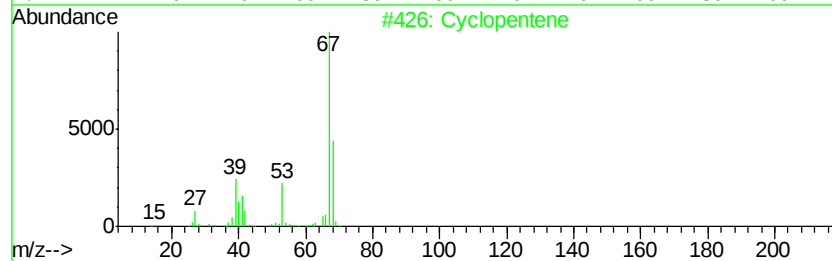
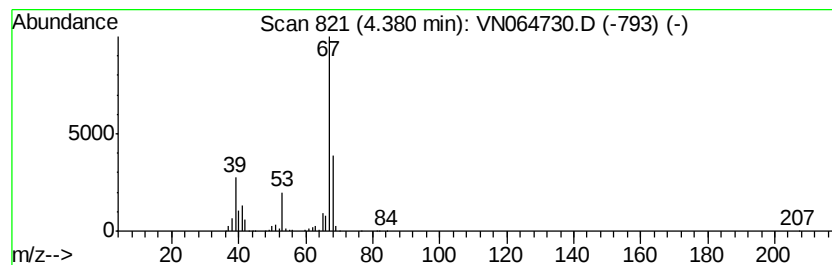
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclopentene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	48.19 ug/l	2330720	Pentafluorobenzene	7.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene	68	C5H8	000142-29-0	91
2		Cyclopropane, methylmethylene-	68	C5H8	018631-84-0	91
3		1-Butyne, 3-methyl-	68	C5H8	000598-23-2	59
4		1,3-Pentadiene, (E)-	68	C5H8	002004-70-8	59
5		1,3-Pentadiene	68	C5H8	000504-60-9	53



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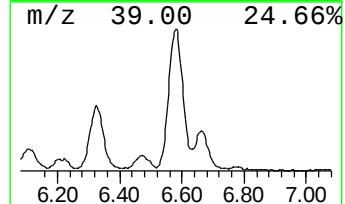
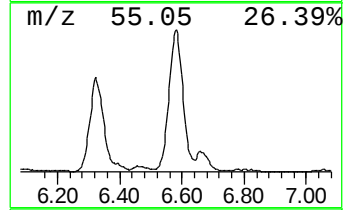
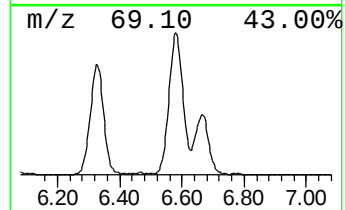
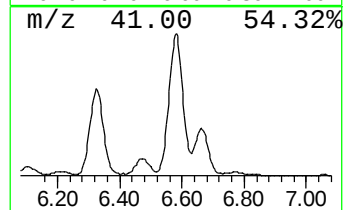
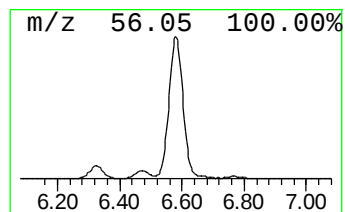
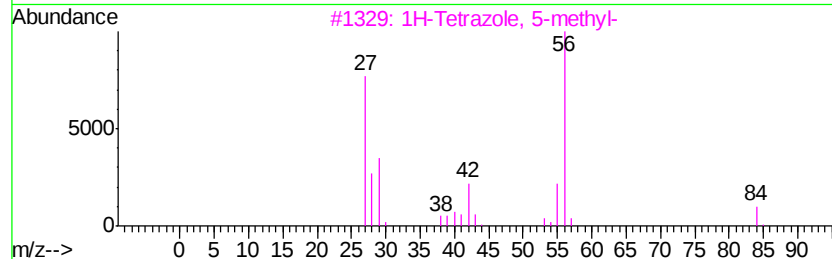
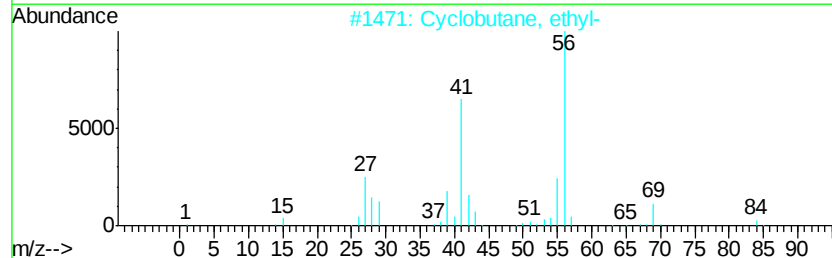
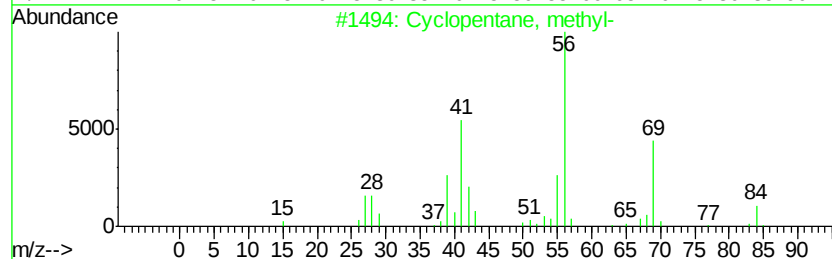
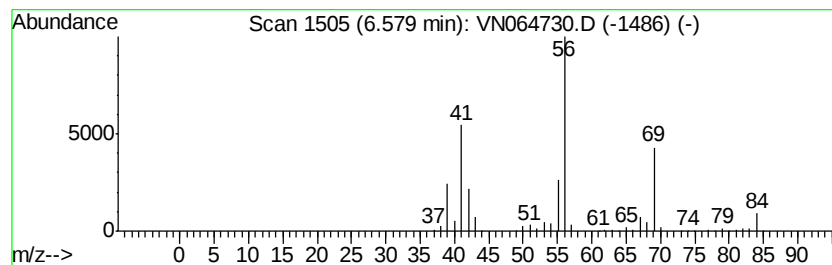
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Quant Title : SW846 8260

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

Peak Number 4 Cyclopentane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	46.97 ug/l	2271800	Pentafluorobenzene	7.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4		Cyclopropane, propyl-	84	C6H12	002415-72-7	53
5		Cyclobutane	56	C4H8	000287-23-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064730.D
Acq On : 19 Nov 2020 14:01
Operator : JC/MD
Sample : L4783-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-5

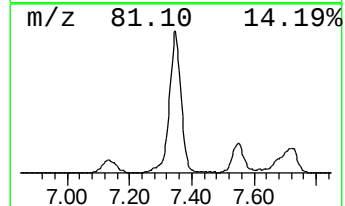
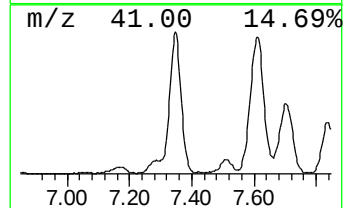
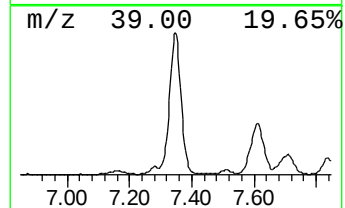
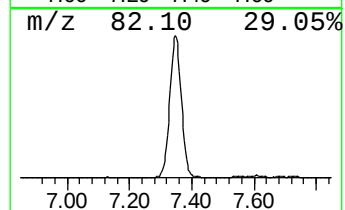
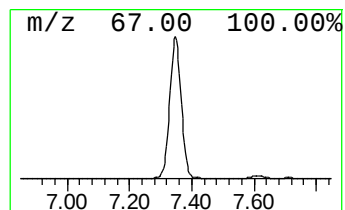
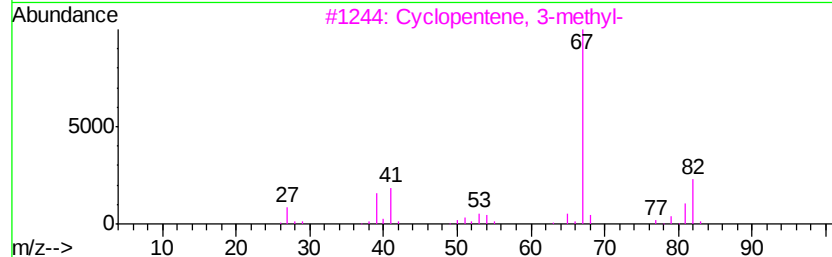
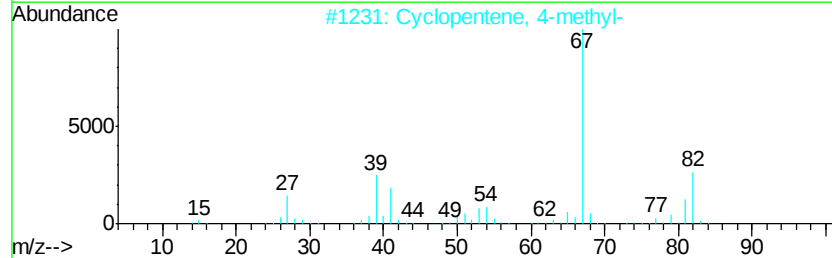
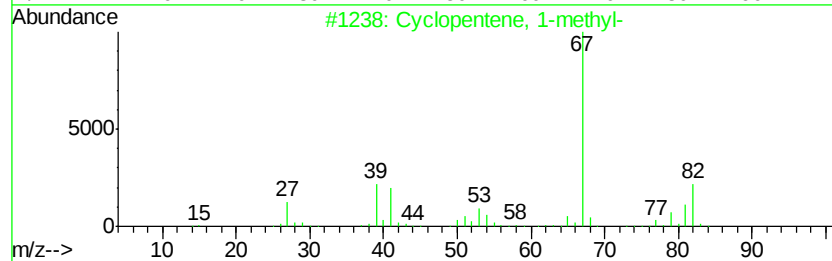
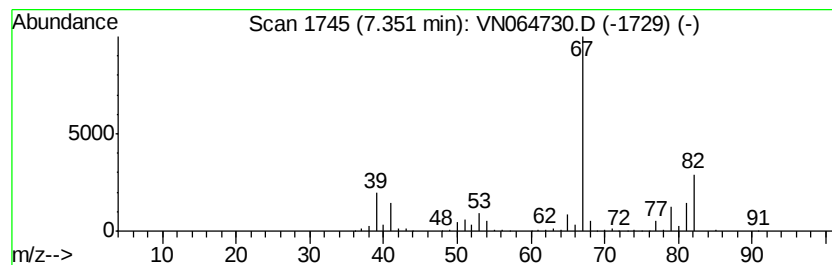
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	62.60 ug/l	3027690	Pentafluorobenzene	7.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2		Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87
3		Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4		1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	86
5		C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064730.D
Acq On : 19 Nov 2020 14:01
Operator : JC/MD
Sample : L4783-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-5

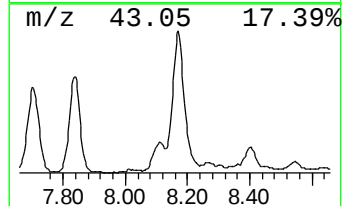
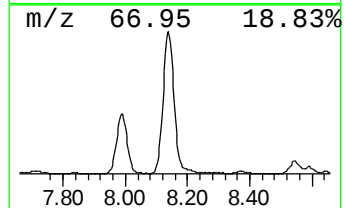
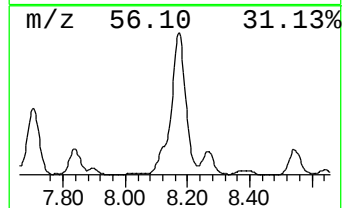
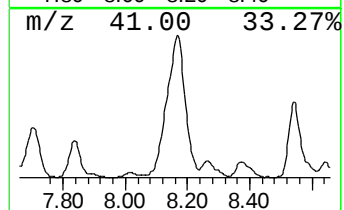
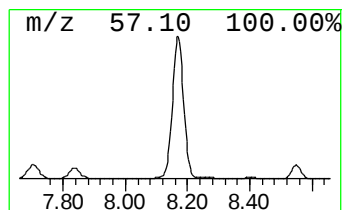
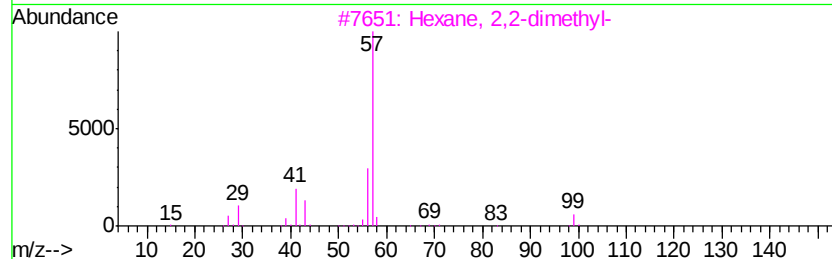
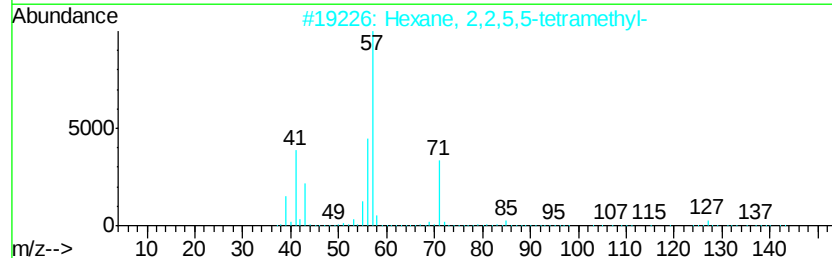
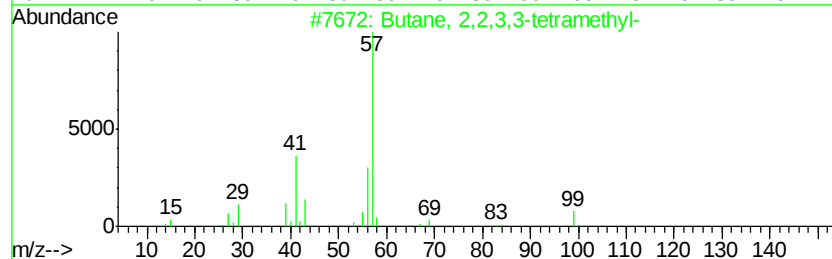
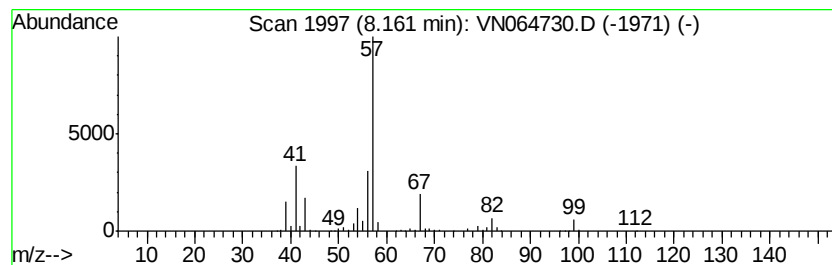
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Quant Title : SW846 8260

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

Peak Number 6 Butane, 2,2,3,3-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	64.15 ug/l	3818380	1,4-Difluorobenzene	8.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	53
2		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	43
3		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	42
4		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	42
5		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064730.D
Acq On : 19 Nov 2020 14:01
Operator : JC/MD
Sample : L4783-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-5

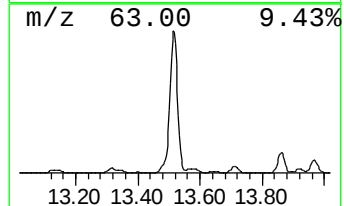
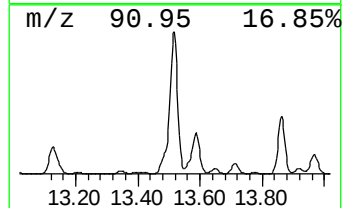
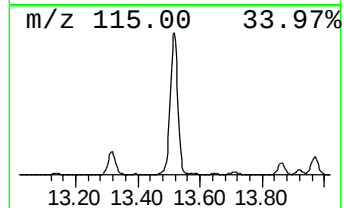
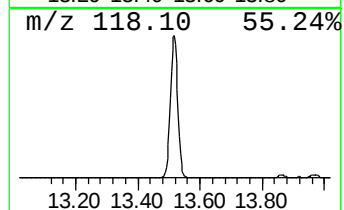
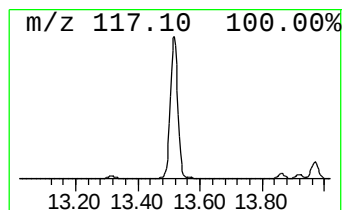
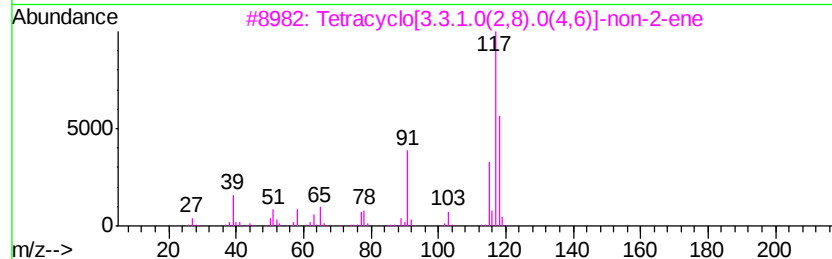
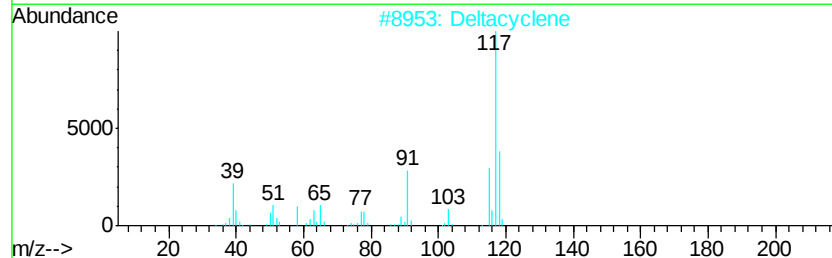
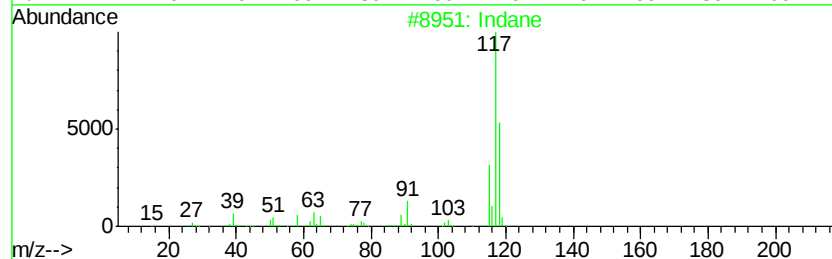
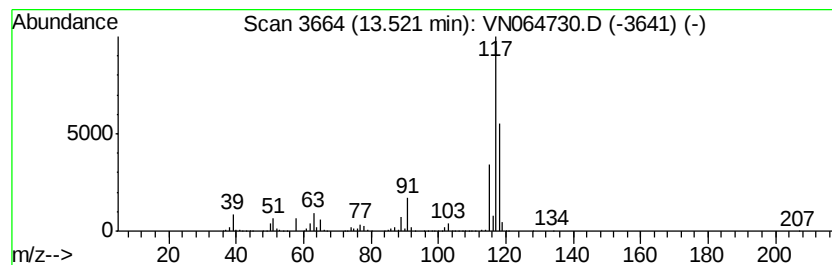
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Quant Title : SW846 8260

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

Peak Number 7 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	258.91 ug/l	9651540	1,4-Dichlorobenzene-d4	13.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	93
2	Deltacyclene		118	C9H10	007785-10-6	68
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	...	118	C9H10	1000191-13-7	64
4	Benzene, 1-ethenyl-2-methyl-		118	C9H10	000611-15-4	60
5	Benzene, cyclopropyl-		118	C9H10	000873-49-4	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064730.D
Acq On : 19 Nov 2020 14:01
Operator : JC/MD
Sample : L4783-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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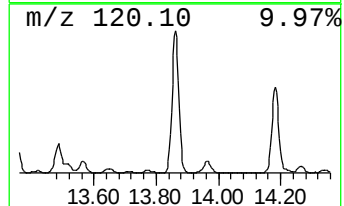
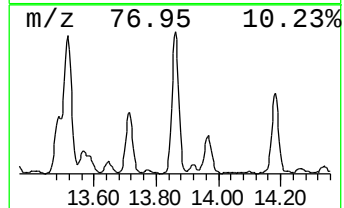
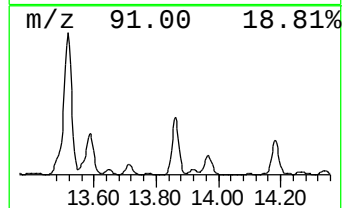
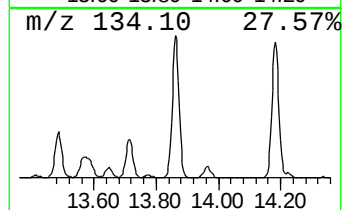
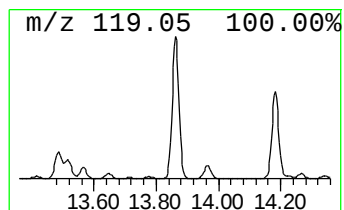
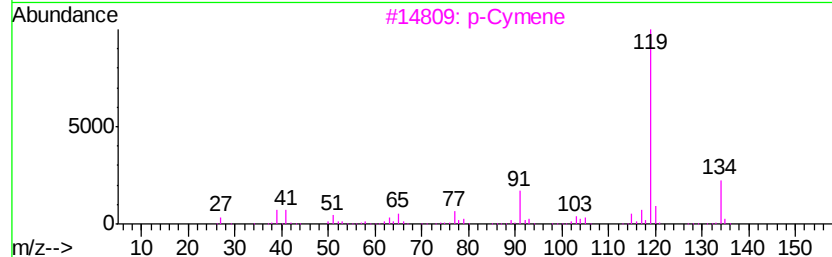
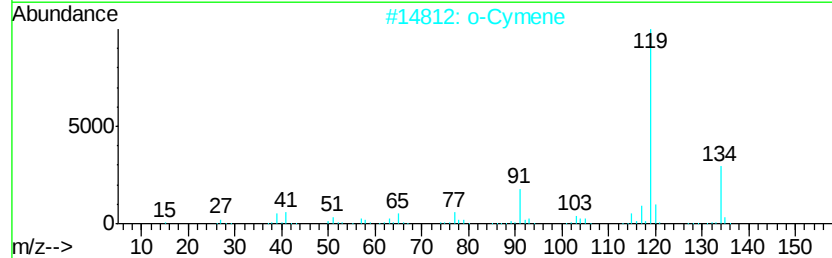
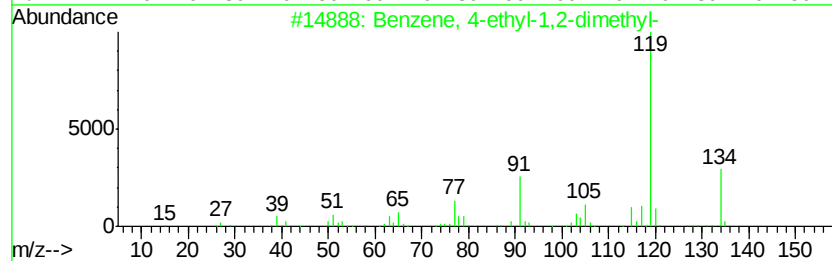
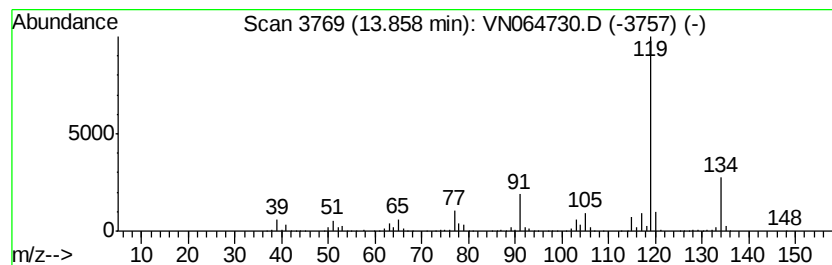
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	70.84 ug/l	2640730	1,4-Dichlorobenzene-d4	13.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		o-Cymene	134	C10H14	000527-84-4	95
3		p-Cymene	134	C10H14	000099-87-6	95
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064730.D
Acq On : 19 Nov 2020 14:01
Operator : JC/MD
Sample : L4783-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-5

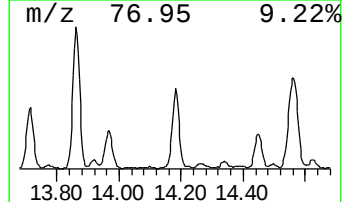
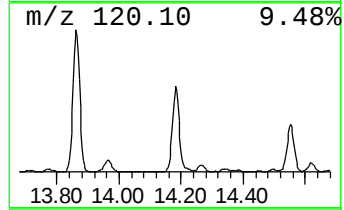
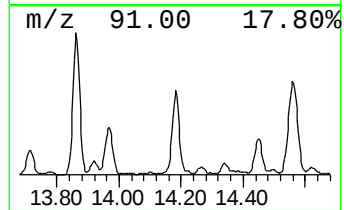
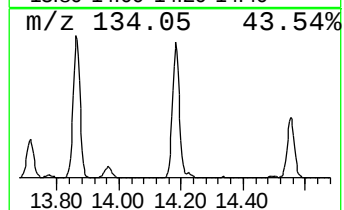
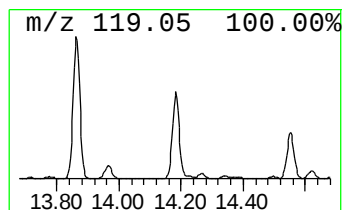
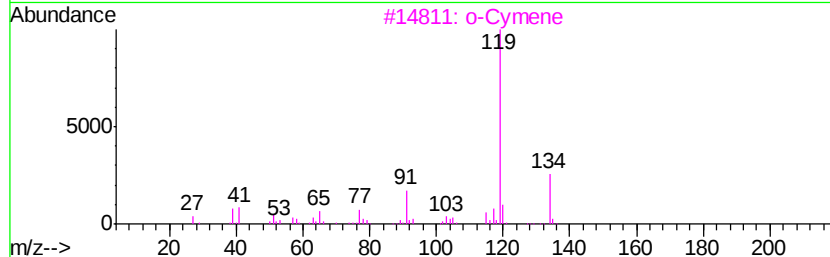
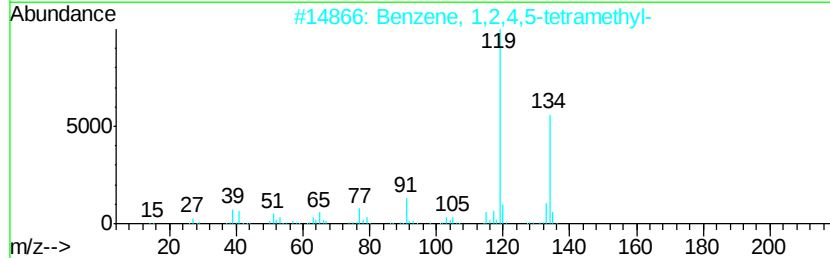
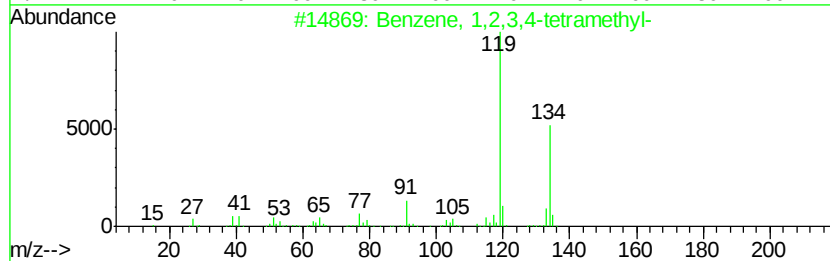
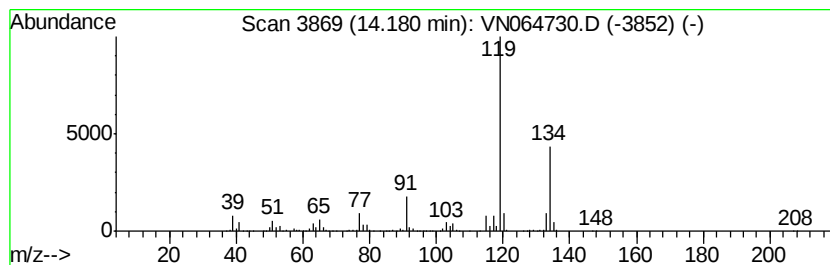
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	49.09 ug/l	1829850	1,4-Dichlorobenzene-d4	13.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	96
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064730.D
Acq On : 19 Nov 2020 14:01
Operator : JC/MD
Sample : L4783-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
MW-5

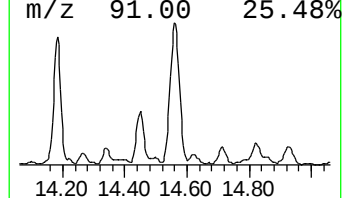
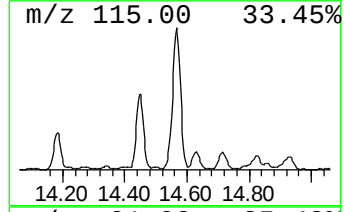
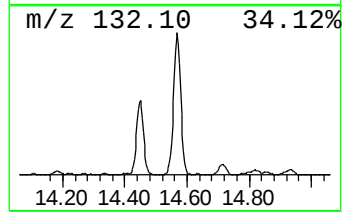
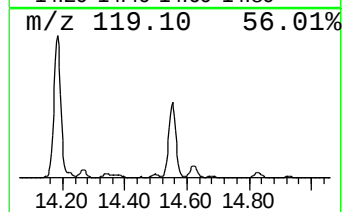
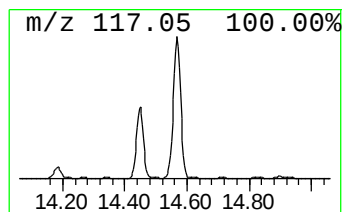
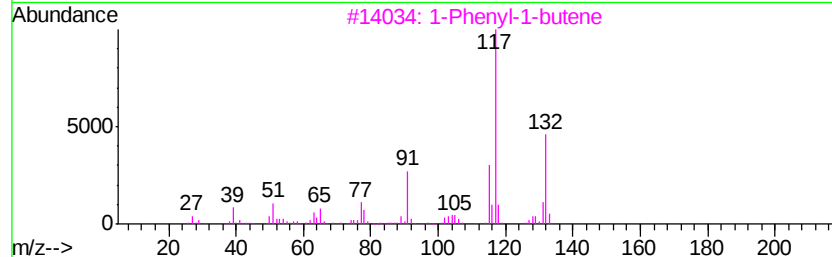
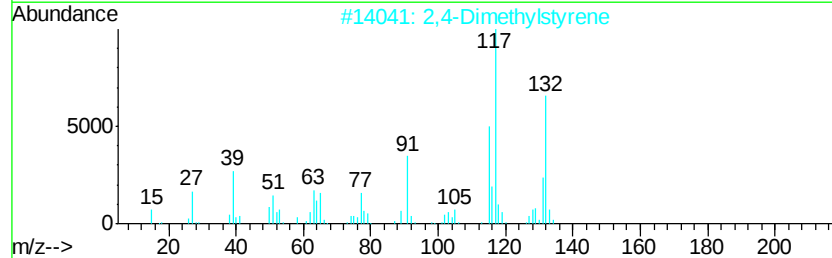
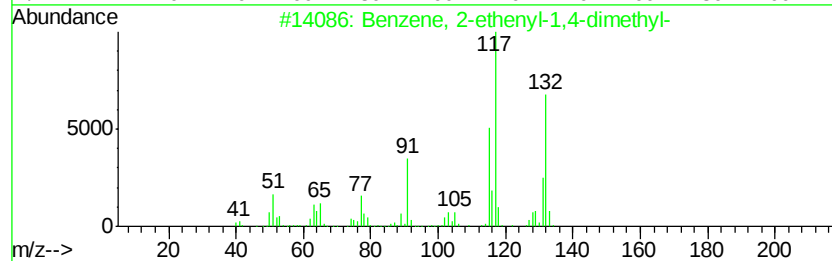
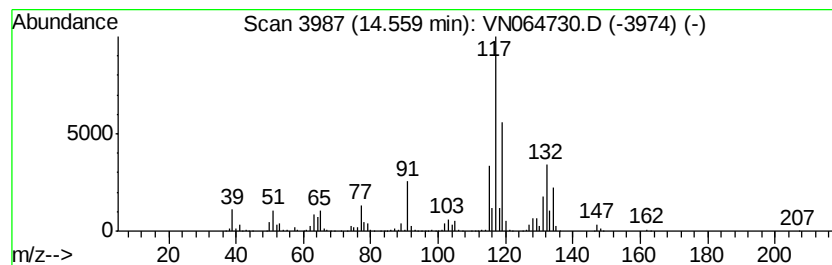
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	84.58 ug/l	3153060	1,4-Dichlorobenzene-d4	13.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
Data File : VN064730.D
Acq On : 19 Nov 2020 14:01
Operator : JC/MD
Sample : L4783-18
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.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
Butane, 2-methyl-	2.78	55.4	ug/l	2681190	1	7.62	2418100	50.0
Cyclopropane, 1,2...	3.52	119.4	ug/l	5773590	1	7.62	2418100	50.0
Cyclopentene	4.38	48.2	ug/l	2330720	1	7.62	2418100	50.0
Cyclopentane, met...	6.58	47.0	ug/l	2271800	1	7.62	2418100	50.0
Cyclopentene, 1-m...	7.35	62.6	ug/l	3027690	1	7.62	2418100	50.0
Butane, 2,2,3,3-t...	8.16	64.2	ug/l	3818380	2	8.55	2975930	50.0
Indane	13.52	258.9	ug/l	9651540	4	13.32	1863910	50.0
Benzene, 4-ethyl-...	13.86	70.8	ug/l	2640730	4	13.32	1863910	50.0
Benzene, 1,2,3,4-...	14.18	49.1	ug/l	1829850	4	13.32	1863910	50.0
Benzene, 2-etheny...	14.56	84.6	ug/l	3153060	4	13.32	1863910	50.0