

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061355.D
 Acq On : 8 May 2020 12:40
 Operator : JC/MD
 Sample : L2544-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS038MW004-200504

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\82N042720W.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	1.638	3	15	75	rBV	3904811	13281913	100.00%	45.769%
2	7.548	1835	1853	1864	rBV	68434	167941	1.26%	0.579%
3	7.625	1865	1877	1891	rVV	128840	300634	2.26%	1.036%
4	7.892	1941	1960	1976	rBV2	63643	164999	1.24%	0.569%
5	7.985	1976	1989	2011	rVB	89265	205127	1.54%	0.707%
6	8.172	2018	2047	2066	rBV	163661	418376	3.15%	1.442%
7	8.551	2148	2165	2182	rBV	206249	425429	3.20%	1.466%
8	9.014	2295	2309	2317	rBV3	61350	136950	1.03%	0.472%
9	9.333	2388	2408	2422	rBV	63274	137754	1.04%	0.475%
10	9.487	2440	2456	2474	rBV	208707	415417	3.13%	1.432%
11	9.622	2479	2498	2522	rBV	359770	754168	5.68%	2.599%
12	10.059	2622	2634	2665	rVV2	350077	815013	6.14%	2.809%
13	10.223	2665	2685	2707	rVB	112450	250712	1.89%	0.864%
14	10.976	2908	2919	2930	rBV2	82390	150180	1.13%	0.518%
15	11.381	3029	3045	3064	rBV2	330872	911814	6.87%	3.142%
16	11.625	3110	3121	3134	rBV3	60741	146381	1.10%	0.504%
17	12.091	3259	3266	3277	rVV	104850	187943	1.42%	0.648%
18	12.374	3343	3354	3366	rBV	253248	425403	3.20%	1.466%
19	12.541	3390	3406	3417	rVV3	109862	219208	1.65%	0.755%
20	12.934	3516	3528	3533	rBV2	83725	143061	1.08%	0.493%
21	13.133	3579	3590	3603	rBV3	235232	552766	4.16%	1.905%
22	13.316	3635	3647	3662	rBV	309979	535145	4.03%	1.844%
23	13.416	3662	3678	3690	rVV	249885	441417	3.32%	1.521%
24	13.487	3691	3700	3717	rVV	286611	475211	3.58%	1.638%
25	13.635	3736	3746	3759	rVB2	105504	182631	1.38%	0.629%
26	13.863	3804	3817	3827	rBV	1085335	1687075	12.70%	5.814%
27	13.921	3827	3835	3841	rVV	294425	455687	3.43%	1.570%
28	13.969	3841	3850	3860	rVB2	854245	1405000	10.58%	4.842%
29	14.107	3880	3893	3901	rBV	214413	355562	2.68%	1.225%
30	14.184	3901	3917	3933	rVB	531104	1006200	7.58%	3.467%
31	14.406	3976	3986	3993	rBV	88936	134080	1.01%	0.462%
32	14.455	3993	4001	4010	rVV5	76445	146788	1.11%	0.506%
33	14.561	4022	4034	4047	rVV4	579082	1189378	8.95%	4.099%
34	14.824	4098	4116	4121	rBV5	75026	168283	1.27%	0.580%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Title : SW846 8260

35	14.860	4122	4127	4136	rVV	103520	173591	1.31%	0.598%
36	14.930	4139	4149	4167	rVB4	128979	300905	2.27%	1.037%
37	16.313	4565	4579	4595	rBV	72879	151080	1.14%	0.521%

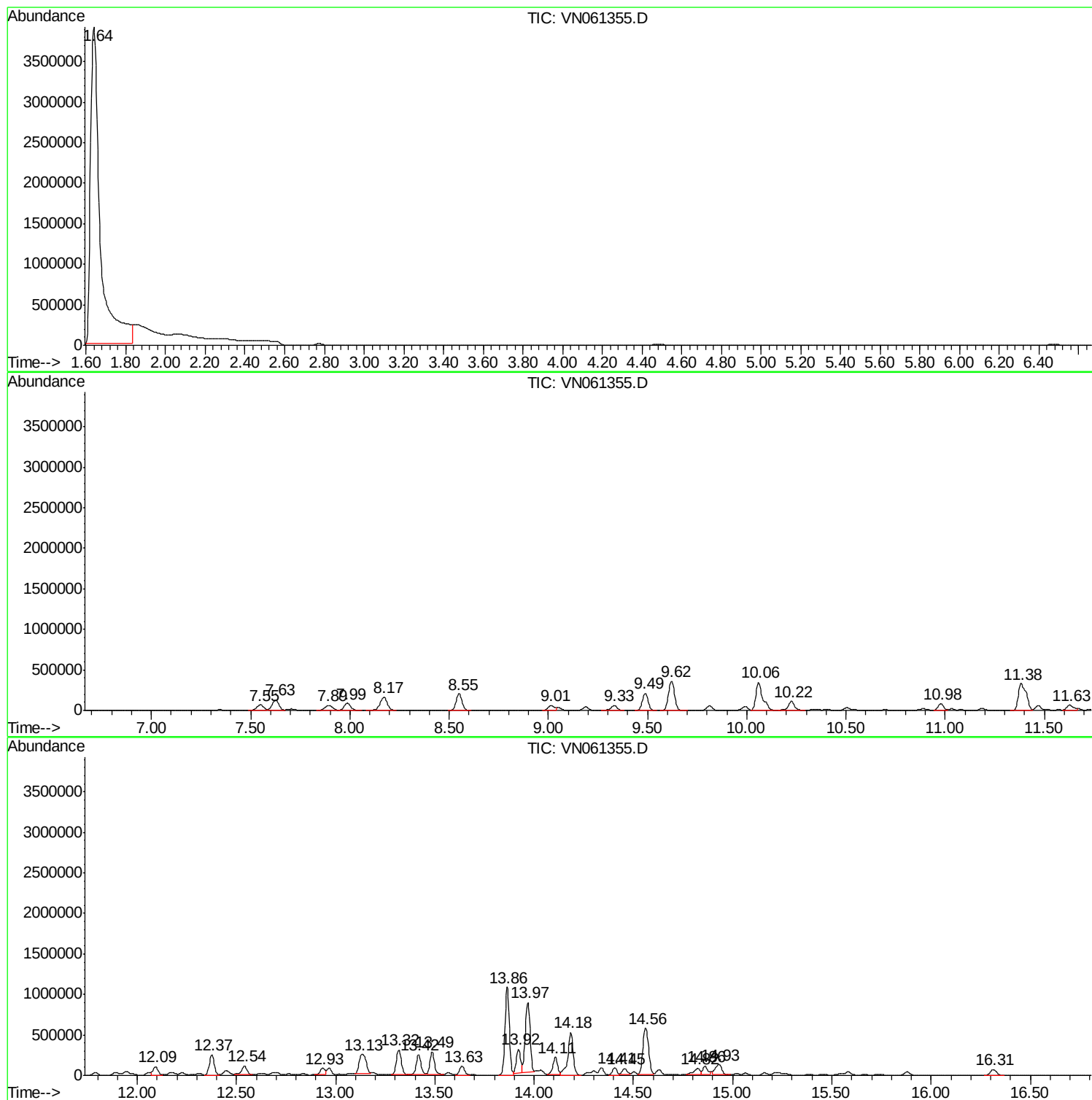
Sum of corrected areas: 29019222

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

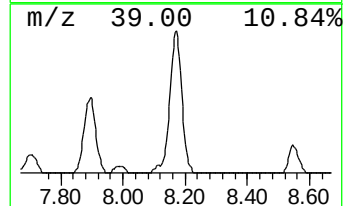
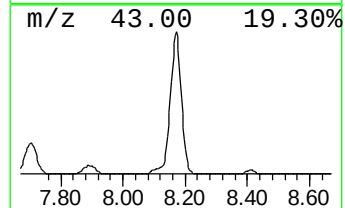
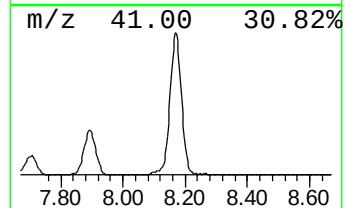
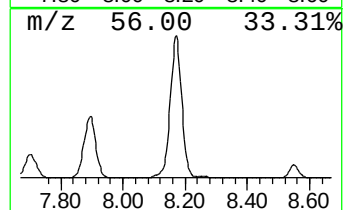
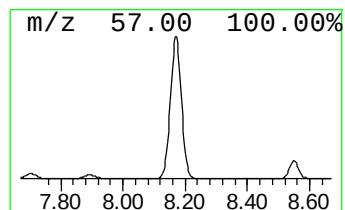
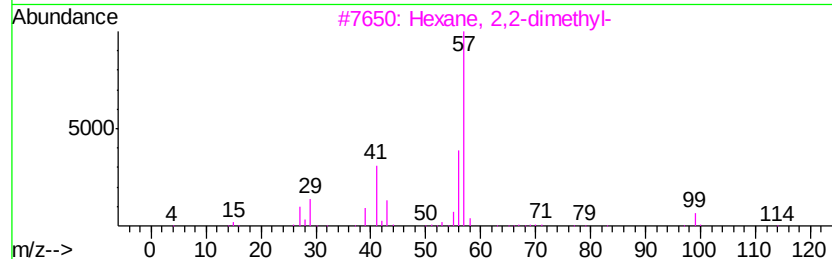
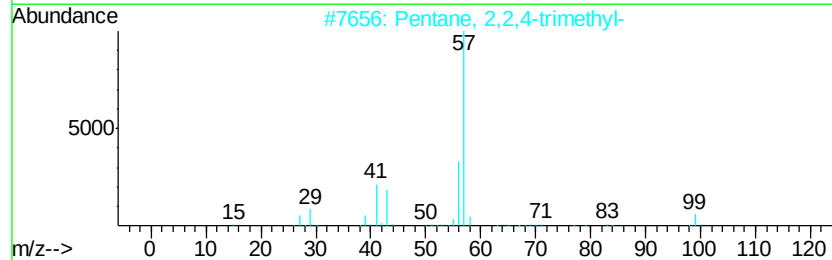
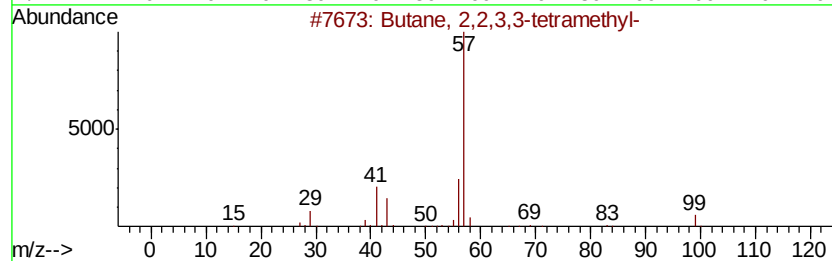
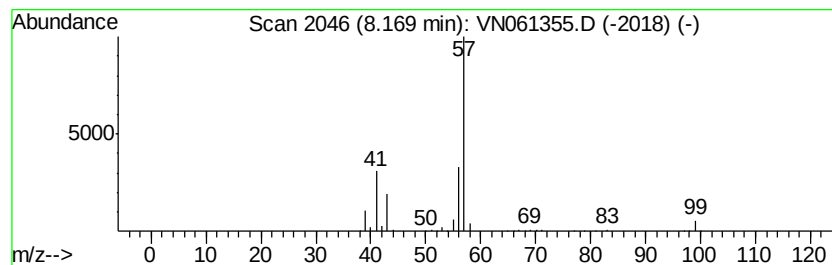
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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

Peak Number 2 Butane, 2,2,3,3-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	49.17 ug/l	418376	1,4-Difluorobenzene	8.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
4		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
5		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

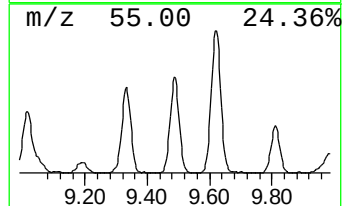
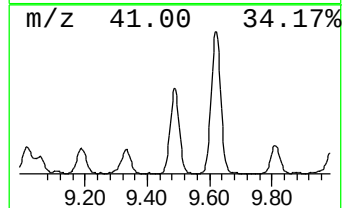
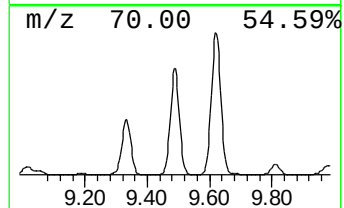
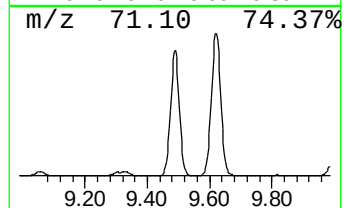
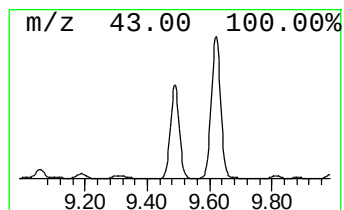
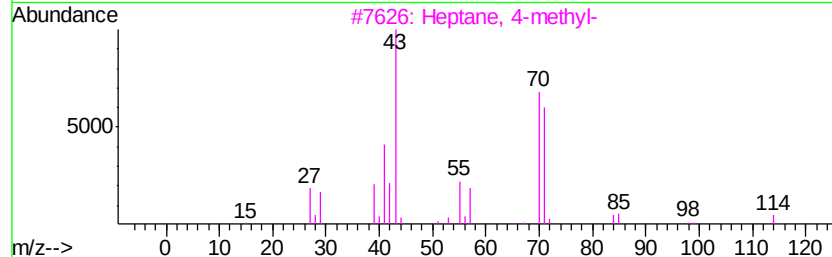
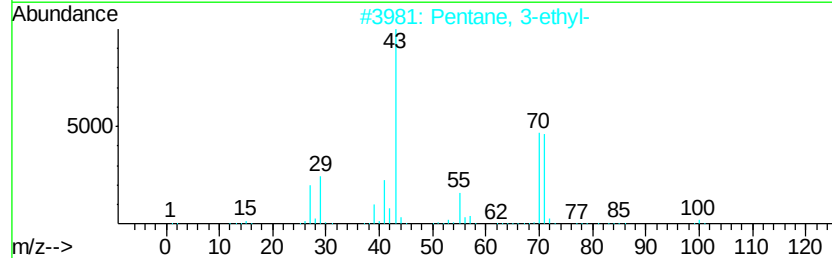
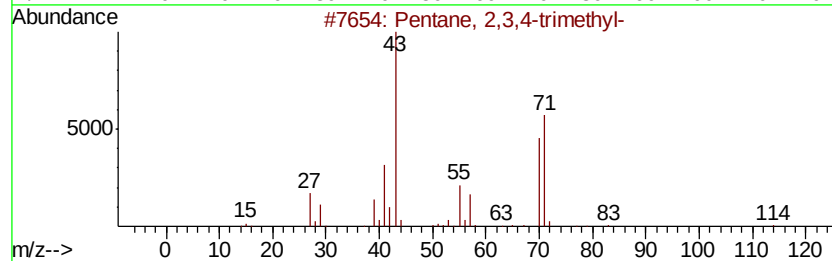
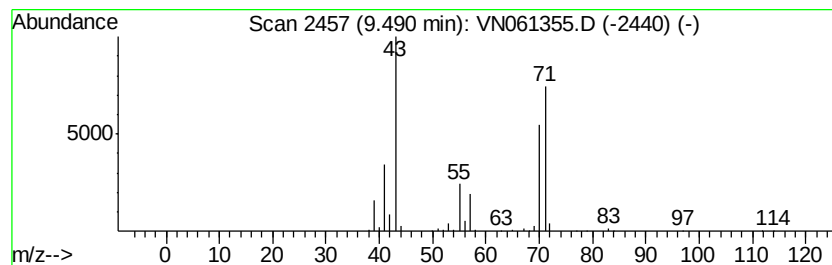
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2,3,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	48.82 ug/l	415417	1,4-Difluorobenzene	8.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2		Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4		Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64
5		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

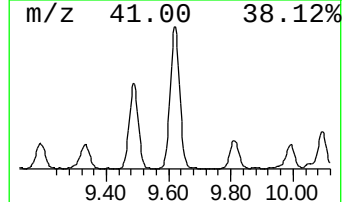
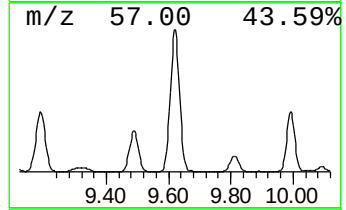
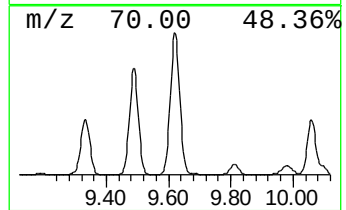
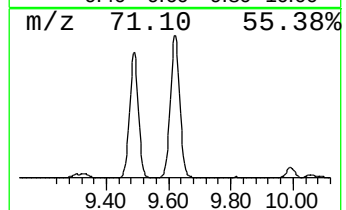
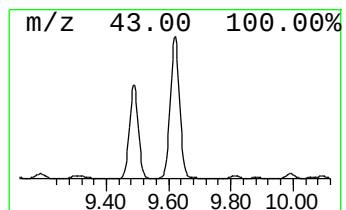
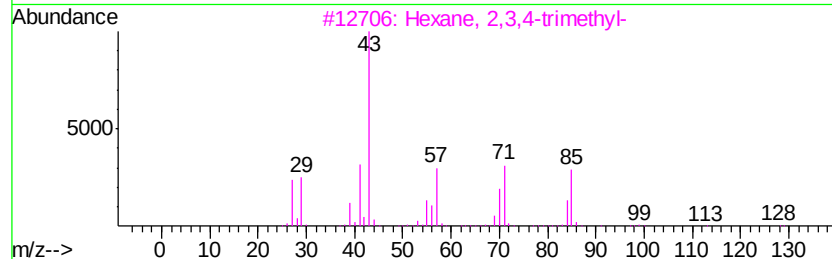
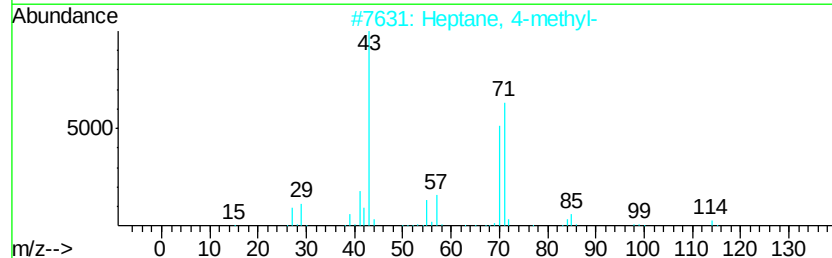
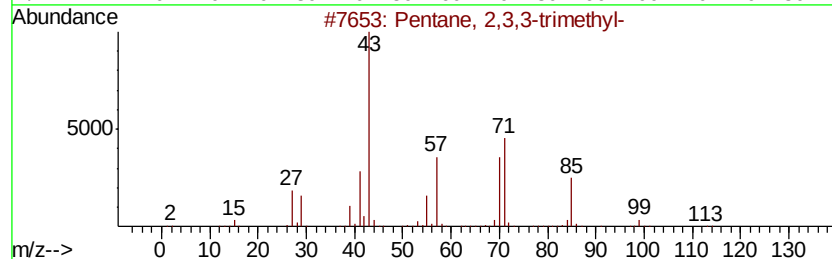
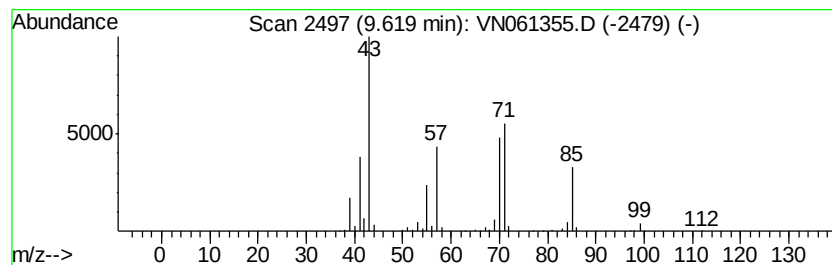
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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

Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	88.64 ug/l	754168	1,4-Difluorobenzene	8.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4		Hexane, 3-methyl-	100	C7H16	000589-34-4	59
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

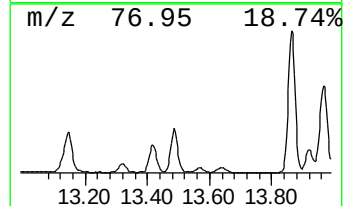
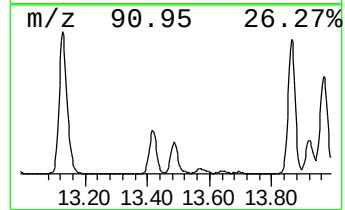
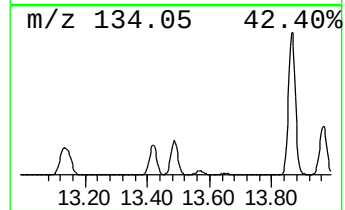
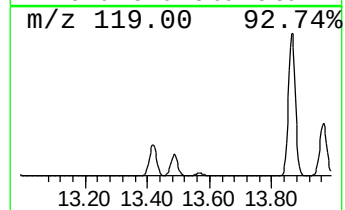
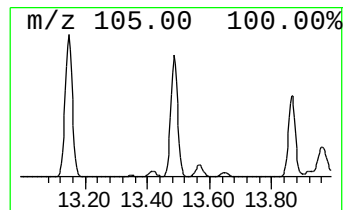
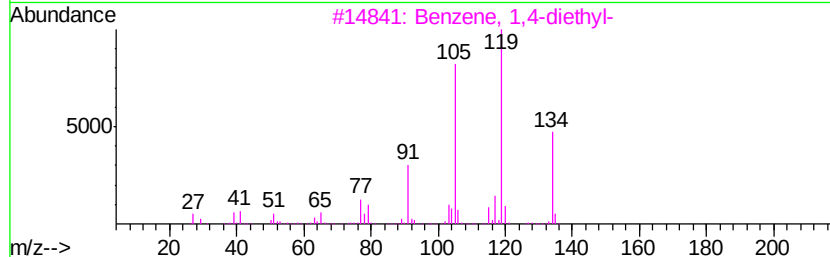
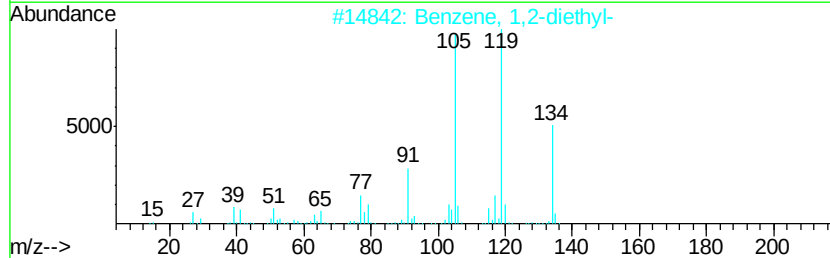
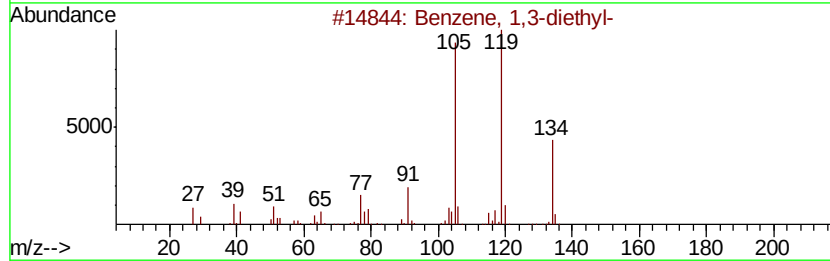
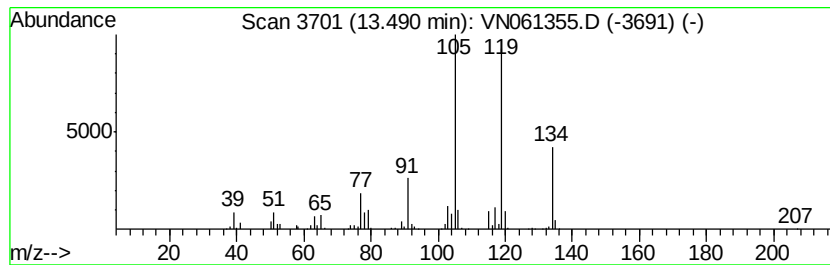
Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1,3-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	44.40 ug/l	475211	1,4-Dichlorobenzene-d4	13.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,3-diethyl-	134 C10H14	000141-93-5 97
2		Benzene, 1,2-diethyl-	134 C10H14	000135-01-3 96
3		Benzene, 1,4-diethyl-	134 C10H14	000105-05-5 95
4		Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7 91
5		Benzene, 1,2,3,4-tetramethyl-	134 C10H14	000488-23-3 83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

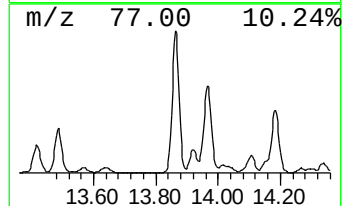
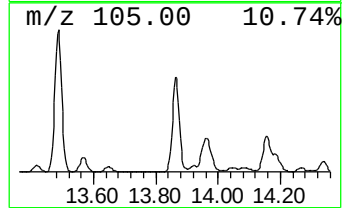
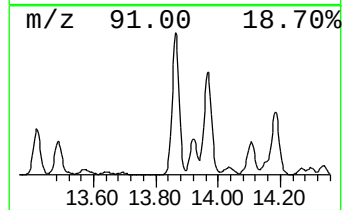
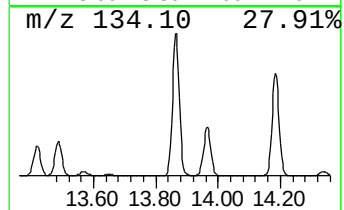
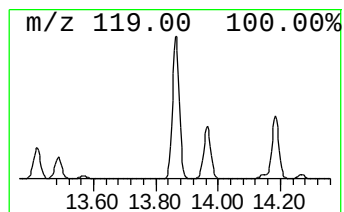
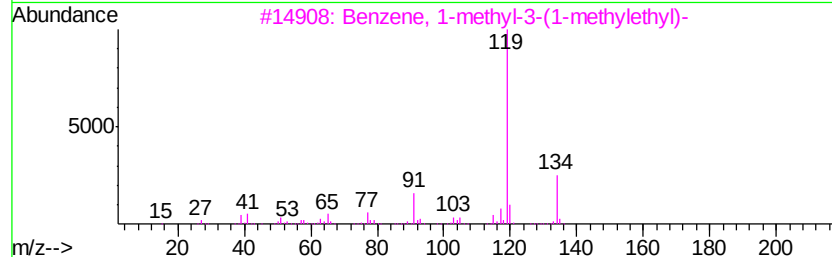
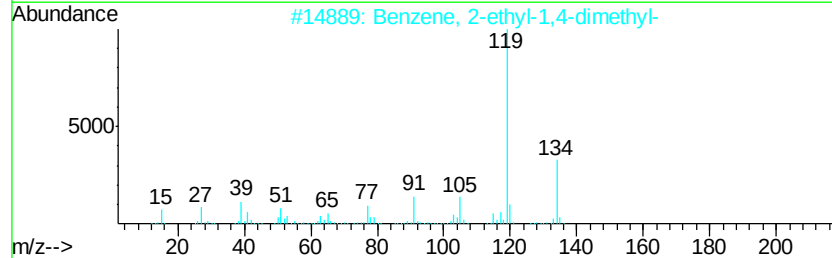
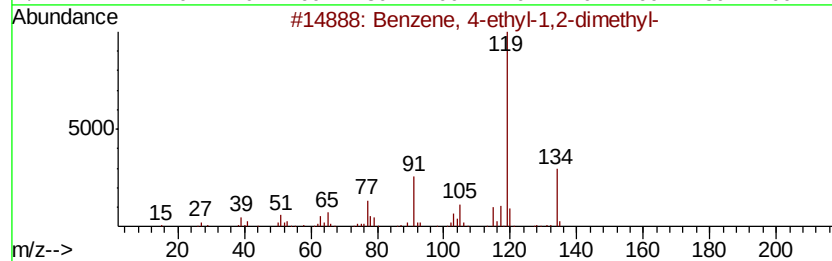
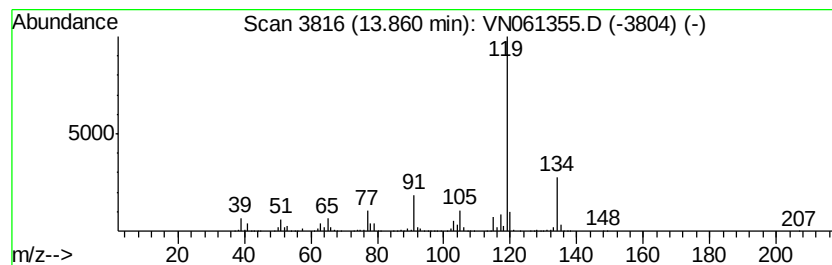
Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.86	157.63 ug/l	1687080	1,4-Dichlorobenzene-d4	13.32		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96	
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95	
3	Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	95	
4	p-Cymene	134	C10H14	000099-87-6	95	
5	o-Cymene	134	C10H14	000527-84-4	95	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

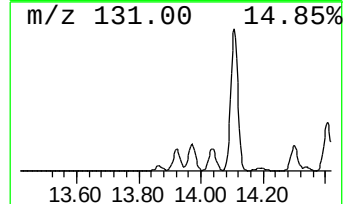
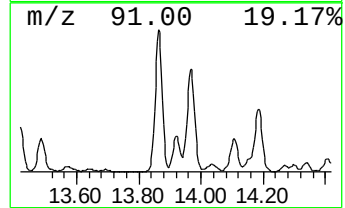
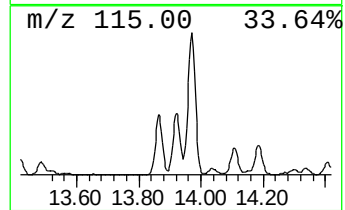
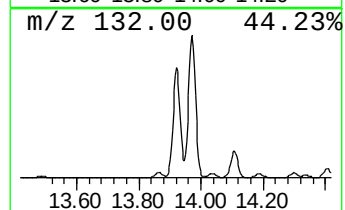
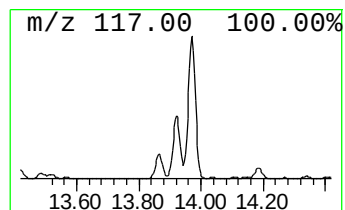
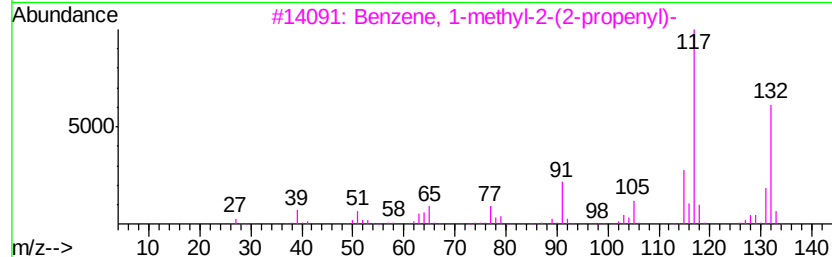
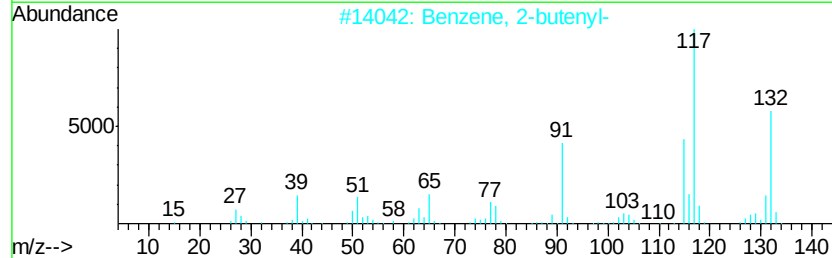
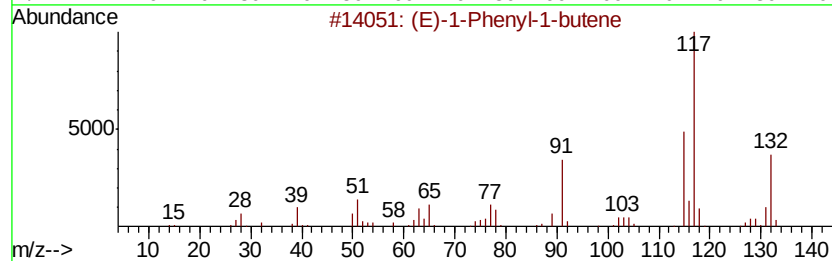
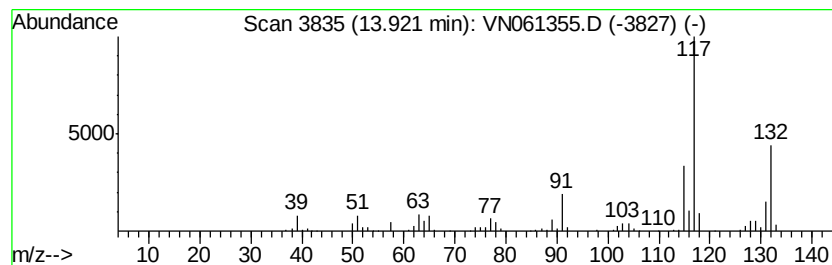
Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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

Peak Number 7 (E)-1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.92	42.58 ug/l	455687	1,4-Dichlorobenzene-d4	13.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	95
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	90



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

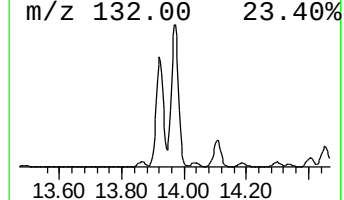
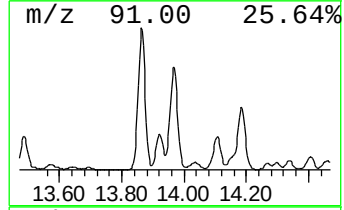
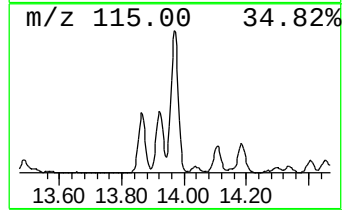
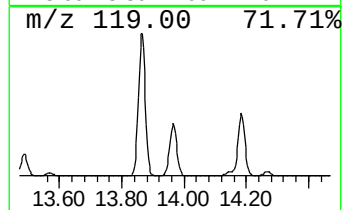
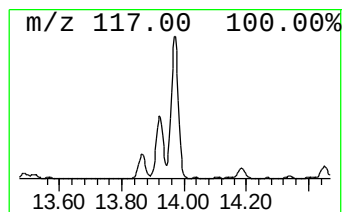
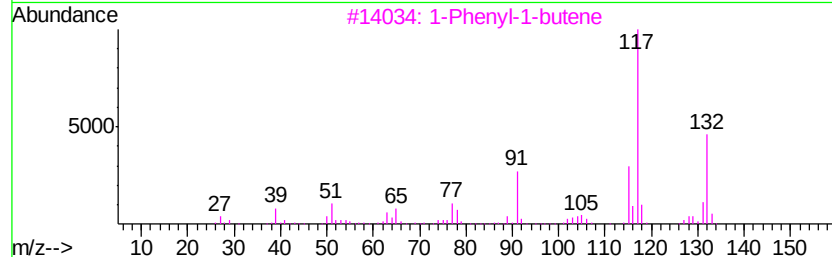
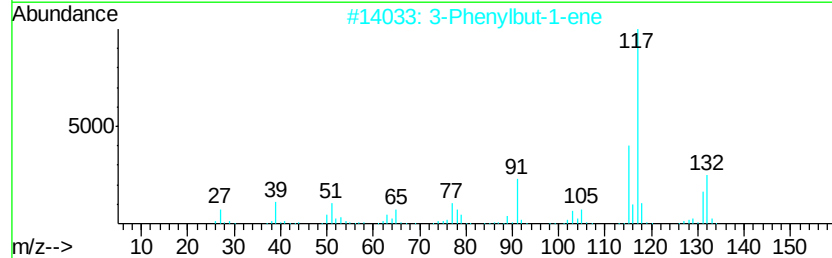
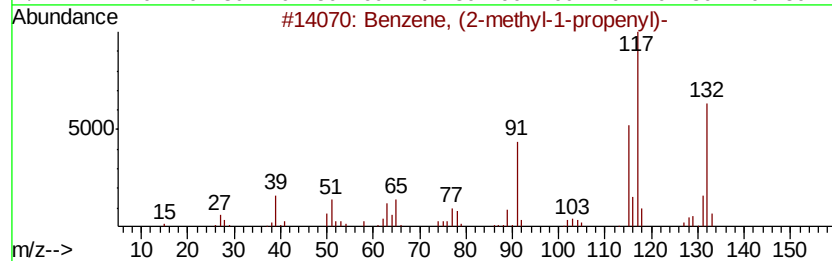
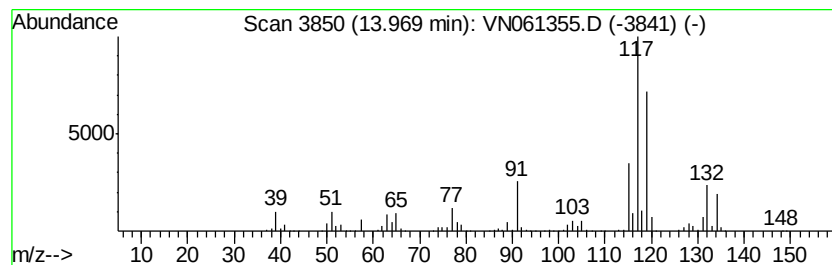
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, (2-methyl-1-propen... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	131.27 ug/l	1405000	1,4-Dichlorobenzene-d4	13.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	83
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

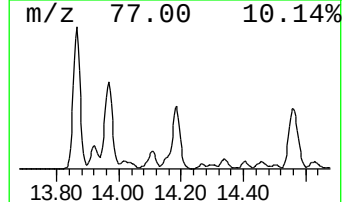
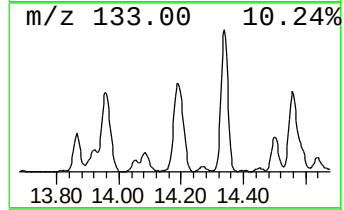
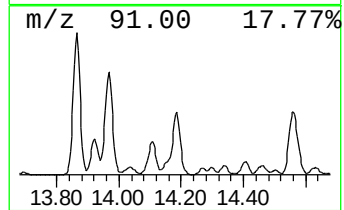
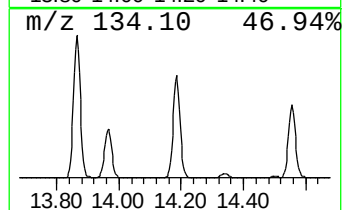
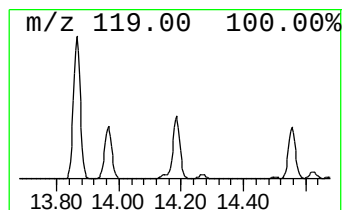
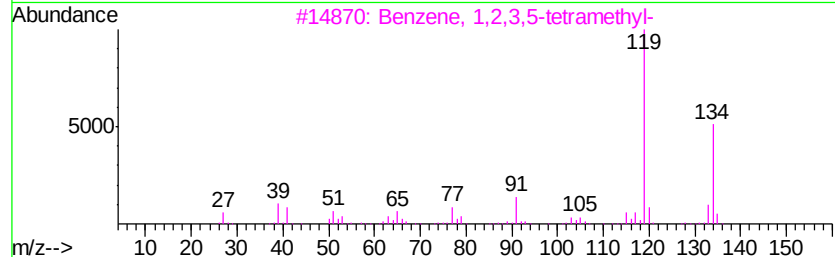
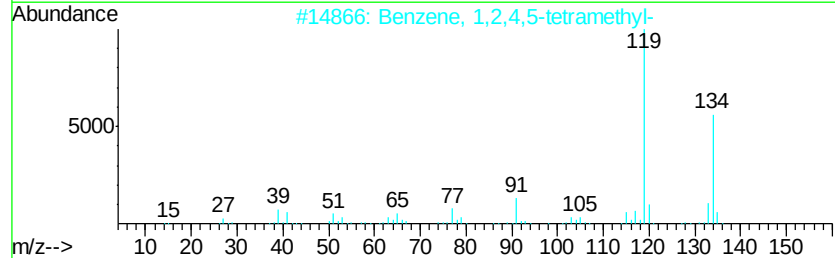
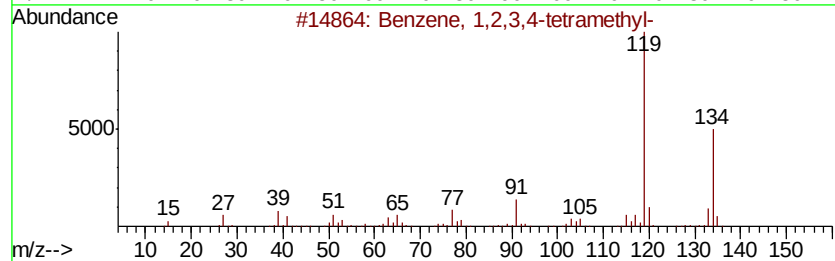
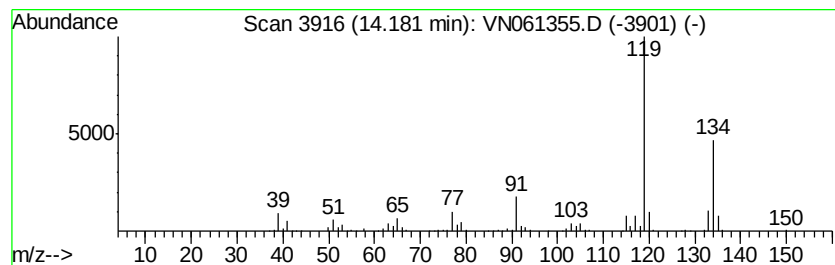
Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
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 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.18	94.01 ug/l	1006200	1,4-Dichlorobenzene-d4	13.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

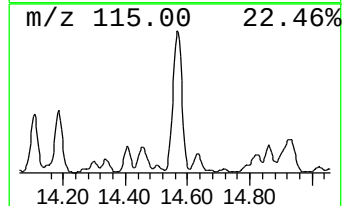
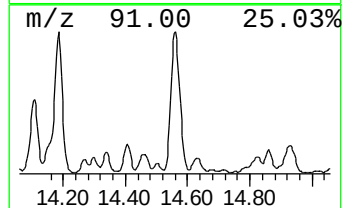
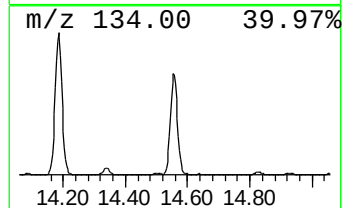
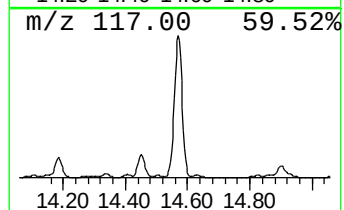
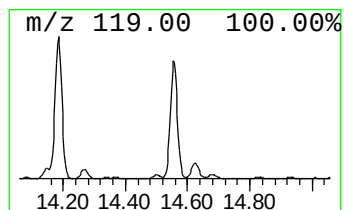
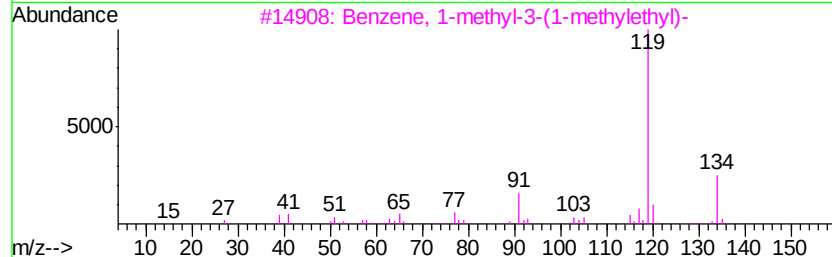
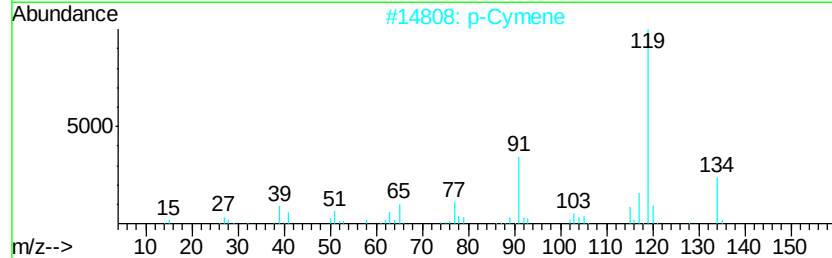
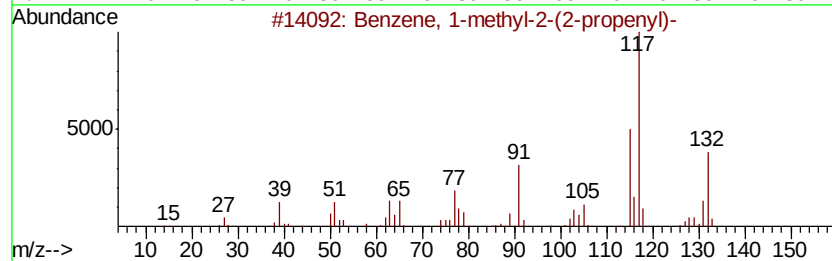
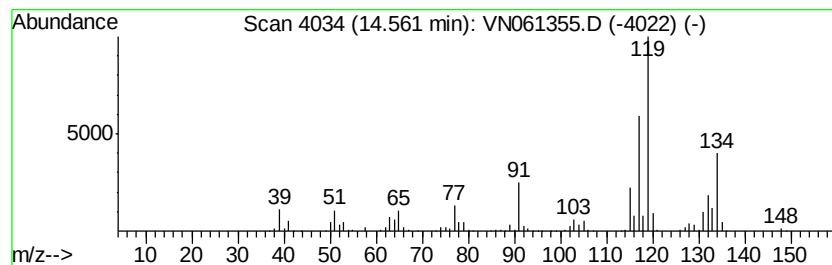
Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	111.13 ug/l	1189380	1,4-Dichlorobenzene-d4	13.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8 70
2		p-Cymene	134 C10H14	000099-87-6 64
3		Benzene, 1-methyl-3-(1-methylethyl)-	134 C10H14	000535-77-3 64
4		o-Cymene	134 C10H14	000527-84-4 64
5		1,3-Cyclopentadiene, 1,2,3,4-tet...	134 C10H14	076089-59-3 64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050820\
Data File : VN061355.D
Acq On : 8 May 2020 12:40
Operator : JC/MD
Sample : L2544-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS038MW004-200504

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.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, 2,2,3,3-t...	8.17	49.2	ug/l	418376	2	8.55	425429	50.0
Pentane, 2,3,4-tr...	9.49	48.8	ug/l	415417	2	8.55	425429	50.0
Pentane, 2,3,3-tr...	9.62	88.6	ug/l	754168	2	8.55	425429	50.0
Benzene, 1,3-diet...	13.49	44.4	ug/l	475211	4	13.32	535145	50.0
Benzene, 4-ethyl-...	13.86	157.6	ug/l	1687080	4	13.32	535145	50.0
(E)-1-Phenyl-1-bu...	13.92	42.6	ug/l	455687	4	13.32	535145	50.0
Benzene, (2-methy...	13.97	131.3	ug/l	1405000	4	13.32	535145	50.0
Benzene, 1,2,3,4-...	14.18	94.0	ug/l	1006200	4	13.32	535145	50.0
Benzene, 1-methyl...	14.56	111.1	ug/l	1189380	4	13.32	535145	50.0