

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100318\
 Data File : VV008046.D
 Acq On : 03 Oct 2018 11:33
 Operator : SY/MD
 Sample : J5185-12
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 JLC92

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

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_V\METHOD\SOMVTR092718WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.119	4	9	23	rVB	26926	26098	1.49%	0.273%
2	1.315	62	70	79	rBV2	51270	71703	4.09%	0.749%
3	1.402	91	97	104	rBV	25326	33015	1.88%	0.345%
4	1.585	147	154	170	rVB	32030	38477	2.20%	0.402%
5	1.788	208	217	224	rBV	32491	41346	2.36%	0.432%
6	2.132	312	324	338	rBV2	89879	147394	8.41%	1.540%
7	2.540	442	451	468	rVB3	14689	27206	1.55%	0.284%
8	2.984	579	589	603	rVB2	19582	38396	2.19%	0.401%
9	3.071	603	616	625	rBV2	9620	18417	1.05%	0.192%
10	3.762	811	831	861	rBV3	81977	217402	12.40%	2.272%
11	3.971	880	896	944	rBV3	28877	117776	6.72%	1.231%
12	4.412	1015	1033	1056	rBV3	59825	191627	10.93%	2.003%
13	4.788	1137	1150	1171	rBV3	10433	27126	1.55%	0.283%
14	5.100	1228	1247	1265	rBV2	118396	275368	15.71%	2.878%
15	5.418	1322	1346	1357	rBV9	7647	19304	1.10%	0.202%
16	5.534	1371	1382	1397	rBV3	9742	20363	1.16%	0.213%
17	5.666	1408	1423	1448	rBV	133450	261419	14.92%	2.732%
18	6.122	1551	1565	1583	rVB2	67200	133074	7.59%	1.391%
19	6.338	1618	1632	1658	rBV	90682	179675	10.25%	1.878%
20	6.926	1802	1815	1833	rBV2	13955	26165	1.49%	0.273%
21	7.035	1833	1849	1866	rBV	33919	59478	3.39%	0.622%
22	7.363	1937	1951	1966	rBV	140281	241167	13.76%	2.520%
23	7.608	2012	2027	2037	rBV2	17292	29218	1.67%	0.305%
24	7.669	2037	2046	2058	rVV2	18829	30610	1.75%	0.320%
25	7.984	2129	2144	2159	rBV	71762	137672	7.85%	1.439%
26	8.141	2180	2193	2220	rBV	154247	287807	16.42%	3.008%
27	8.286	2225	2238	2265	rBV	219609	365685	20.86%	3.822%
28	8.717	2361	2372	2390	rBV2	31690	52083	2.97%	0.544%
29	8.900	2416	2429	2453	rBV	199084	325406	18.57%	3.401%
30	9.247	2526	2537	2552	rBV2	13847	23553	1.34%	0.246%
31	9.530	2615	2625	2637	rBV3	8390	18013	1.03%	0.188%
32	9.855	2714	2726	2759	rBV	402775	626004	35.72%	6.542%
33	10.212	2824	2837	2845	rBV	37079	57821	3.30%	0.604%
34	10.267	2845	2854	2864	rVB	50778	78626	4.49%	0.822%

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Sampling : 1
Start Thrs: 0.1
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Max Peaks: 100
Peak Location: TOP

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Title : TRACE VOA SOM01.0

35	10.427	2890	2904	2921	rBV	155624	263490	15.03%	2.754%
36	10.563	2936	2946	2959	rBV3	29870	50275	2.87%	0.525%
37	10.755	2994	3006	3015	rBV5	13144	21689	1.24%	0.227%
38	10.865	3030	3040	3060	rBV2	24917	47761	2.73%	0.499%
39	11.199	3126	3144	3164	rBV	998837	1469863	83.86%	15.361%
40	11.299	3164	3175	3195	rVB	234007	373430	21.31%	3.902%
41	11.501	3227	3238	3252	rBV	41058	62768	3.58%	0.656%
42	11.582	3252	3263	3281	rVV	66883	125017	7.13%	1.306%
43	11.675	3281	3292	3315	rVB	165550	270429	15.43%	2.826%
44	11.826	3330	3339	3350	rBV	44715	66534	3.80%	0.695%
45	11.997	3376	3392	3402	rBV6	19372	46713	2.67%	0.488%
46	12.058	3402	3411	3430	rVB6	47574	103896	5.93%	1.086%
47	12.299	3472	3486	3503	rBV2	82405	149375	8.52%	1.561%
48	12.392	3503	3515	3532	rBV	1212912	1752693	100.00%	18.316%
49	12.662	3590	3599	3610	rBV2	23380	37007	2.11%	0.387%
50	12.977	3689	3697	3705	rVB	14908	20274	1.16%	0.212%
51	13.148	3743	3750	3763	rVB	46451	72605	4.14%	0.759%
52	13.373	3811	3820	3829	rBV4	14221	23378	1.33%	0.244%
53	13.485	3844	3855	3870	rBV	251629	367332	20.96%	3.839%

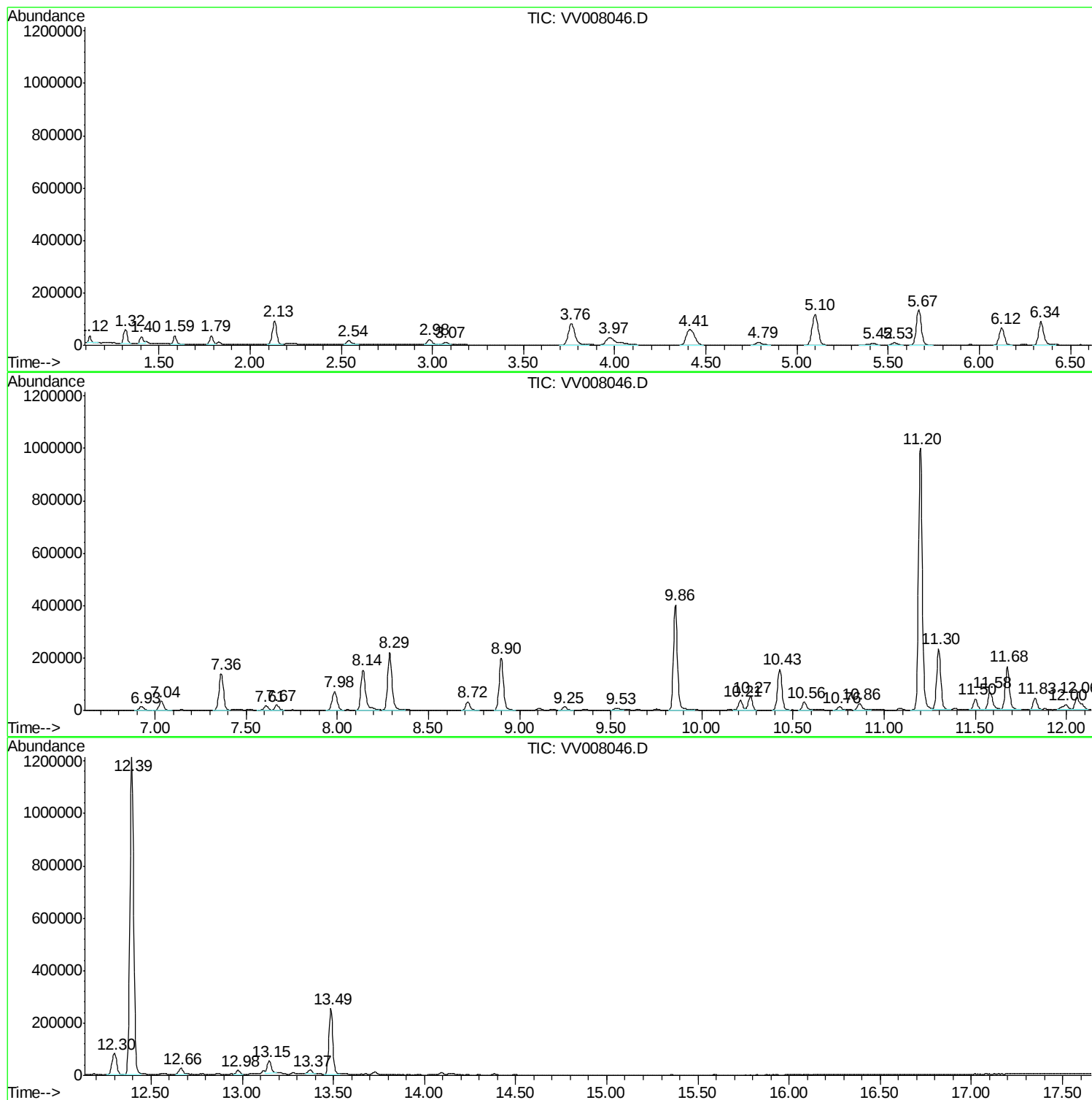
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0

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



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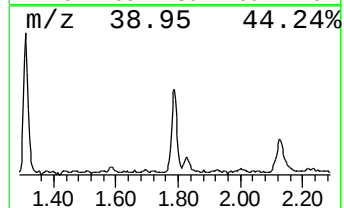
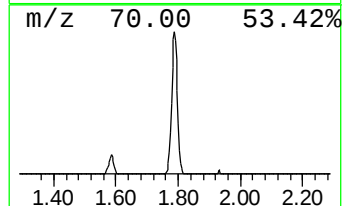
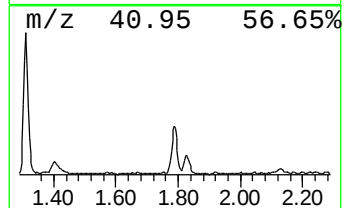
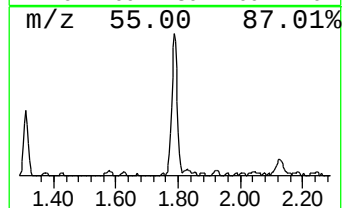
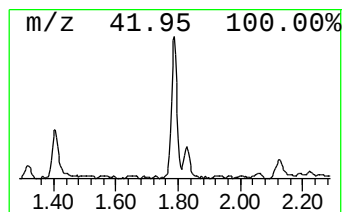
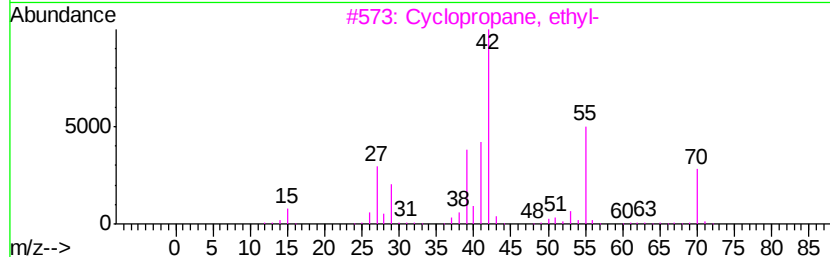
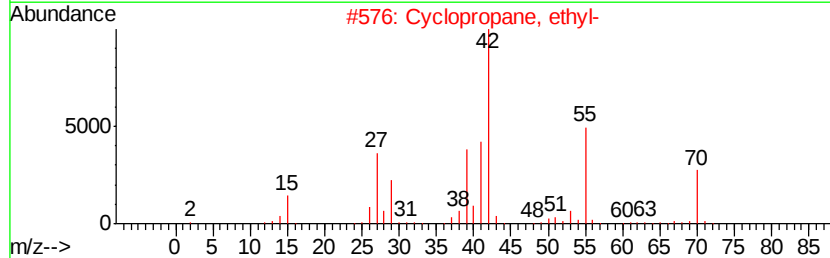
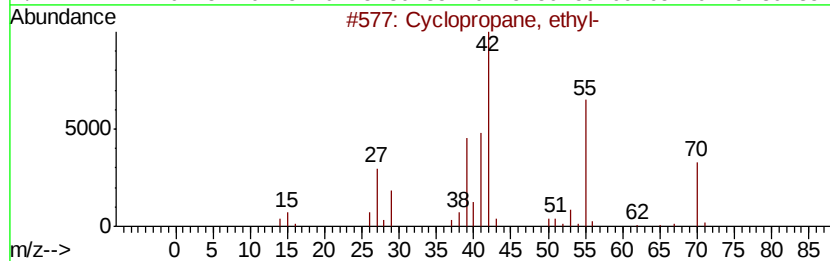
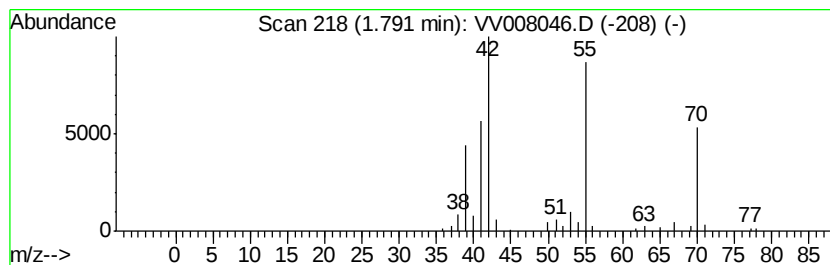
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic1.79 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	0.79 ug/L	41346	1,4-Difluorobenzene	5.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, ethyl-	70	C5H10	001191-96-4	87
2			Cyclopropane, ethyl-	70	C5H10	001191-96-4	78
3			Cyclopropane, ethyl-	70	C5H10	001191-96-4	70
4			1-Pentene	70	C5H10	000109-67-1	64
5			2-Pentene, (Z)-	70	C5H10	000627-20-3	64



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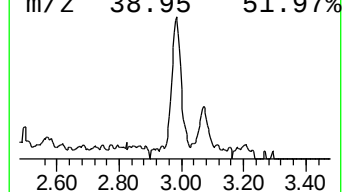
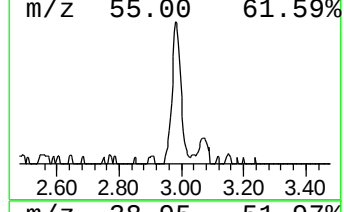
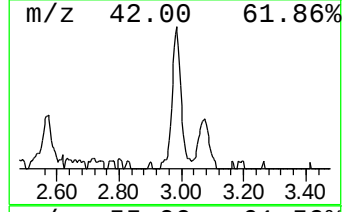
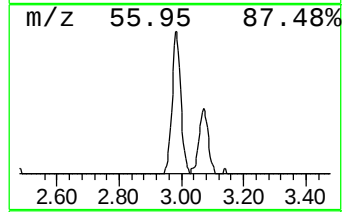
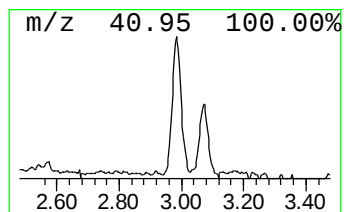
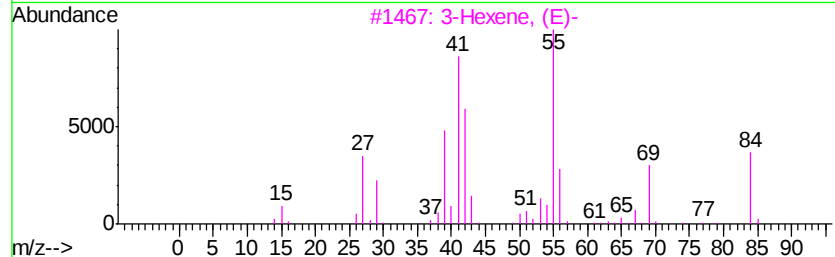
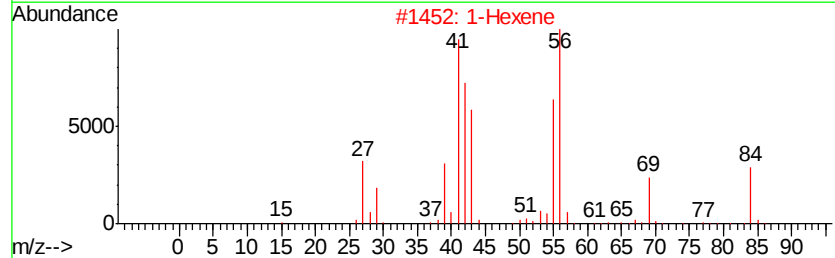
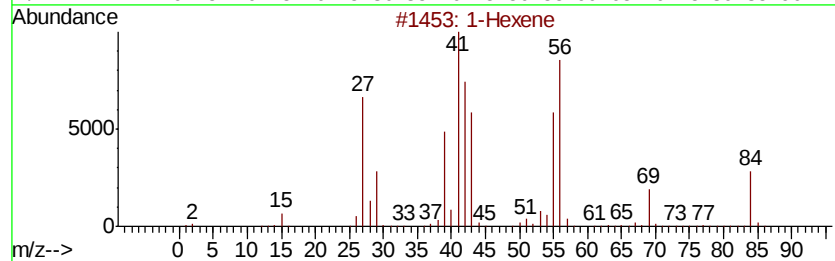
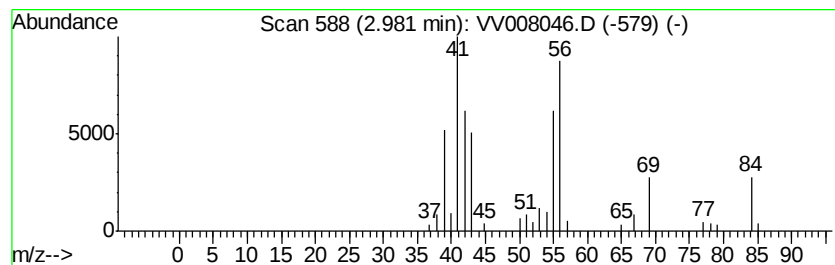
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	0.73 ug/L	38396	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene	84	C6H12	000592-41-6	91
2		1-Hexene	84	C6H12	000592-41-6	64
3		3-Hexene, (E)-	84	C6H12	013269-52-8	52
4		2-Hexene, (Z)-	84	C6H12	007688-21-3	49
5		Cyanic acid, 2-methylpropyl ester	99	C5H9NO	001768-25-8	47



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ALS Vial : 4 Sample Multiplier: 1

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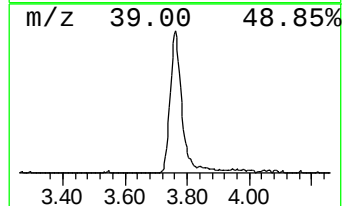
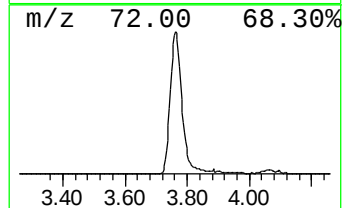
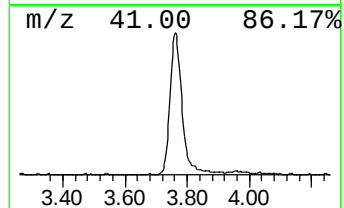
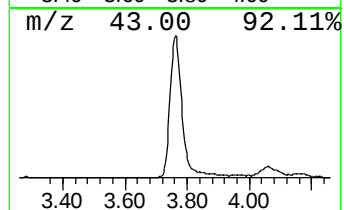
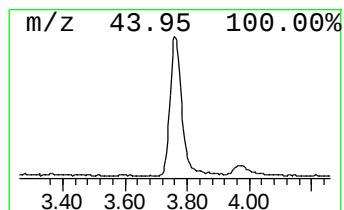
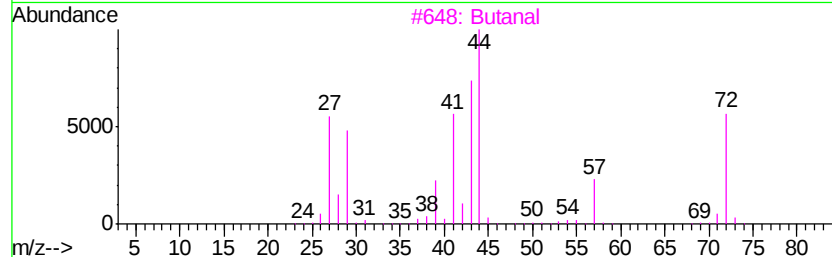
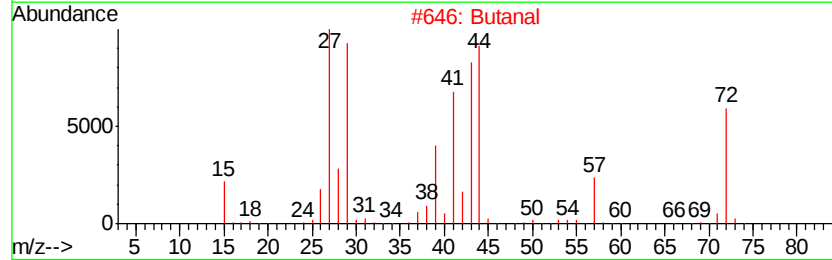
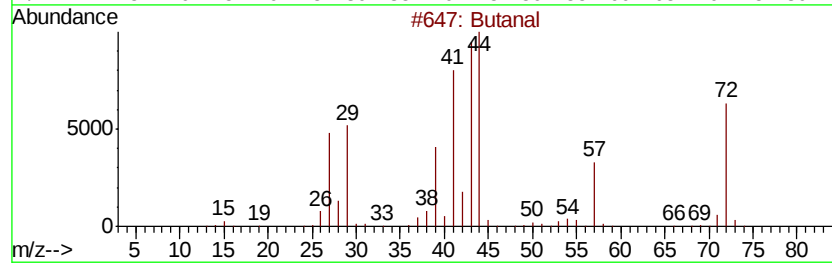
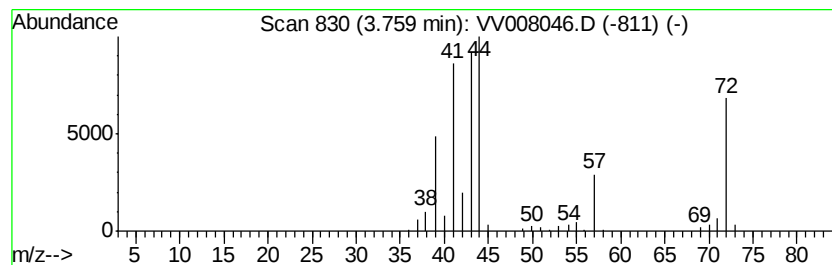
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Butanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	4.16 ug/L	217402	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	94
2		Butanal	72	C4H8O	000123-72-8	91
3		Butanal	72	C4H8O	000123-72-8	58
4		Butanal	72	C4H8O	000123-72-8	47
5		Ethene, ethoxy-	72	C4H8O	000109-92-2	38



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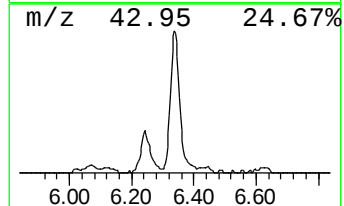
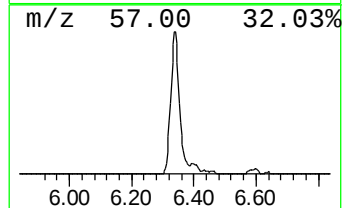
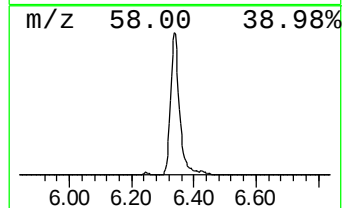
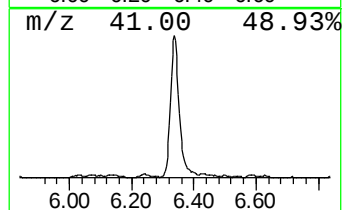
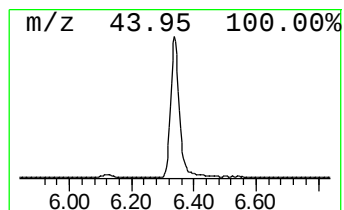
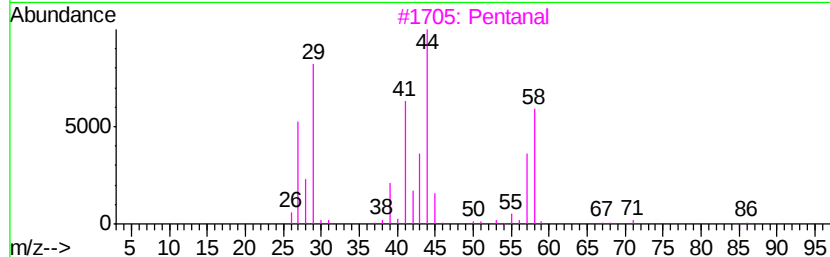
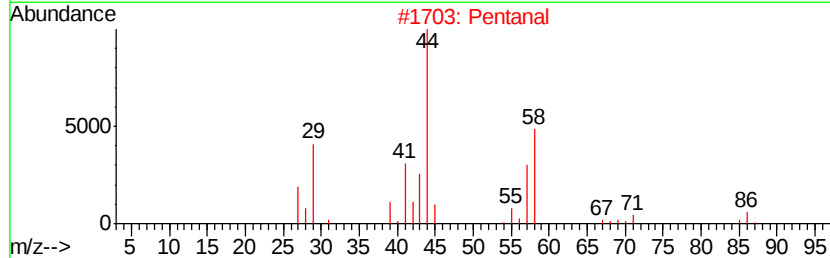
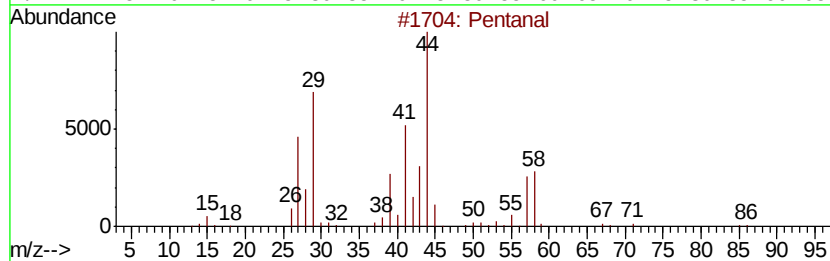
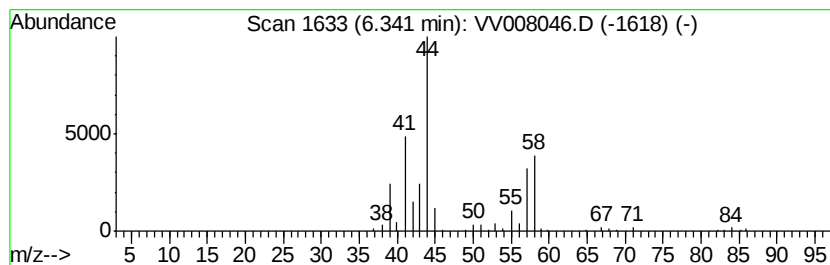
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 6 Pentanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	3.44 ug/L	179675	1,4-Difluorobenzene	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	86
2		Pentanal	86	C5H10O	000110-62-3	78
3		Pentanal	86	C5H10O	000110-62-3	52
4		Cyclopropyl carbinol	72	C4H8O	002516-33-8	40
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	36



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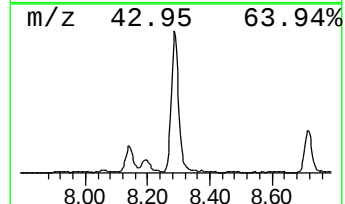
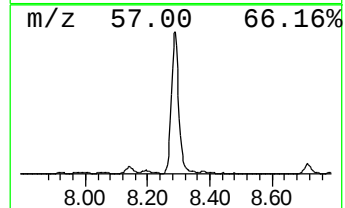
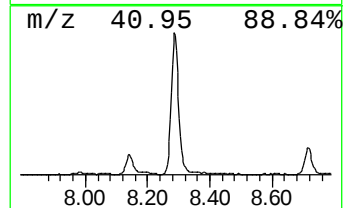
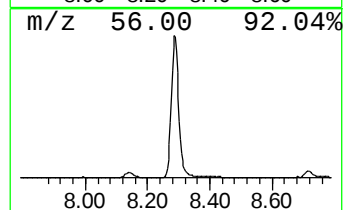
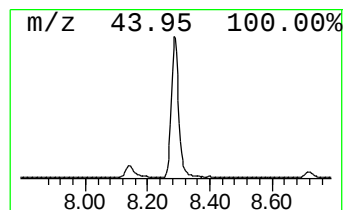
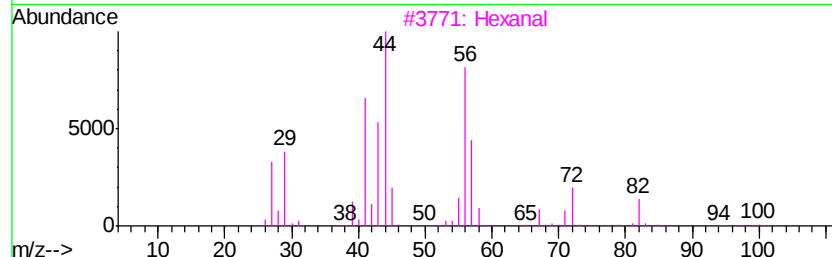
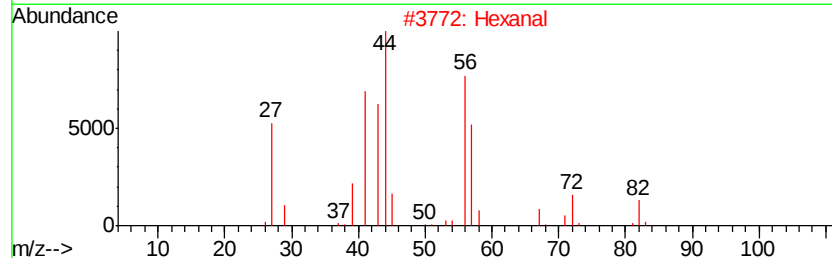
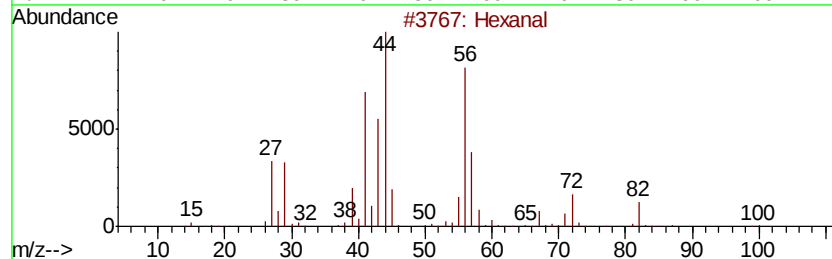
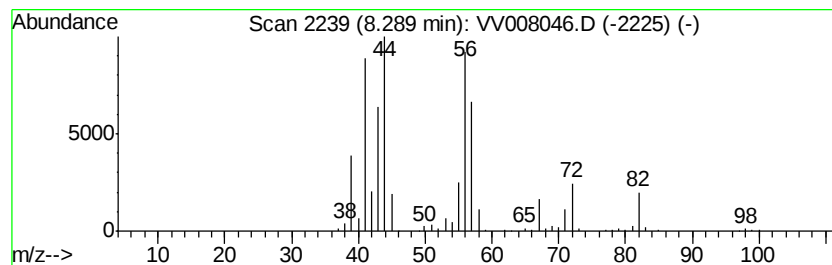
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 10 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	5.62 ug/L	365685	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	68
2		Hexanal	100	C6H12O	000066-25-1	64
3		Hexanal	100	C6H12O	000066-25-1	64
4		Hexanal	100	C6H12O	000066-25-1	64
5		Butanal	72	C4H8O	000123-72-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
JLC92

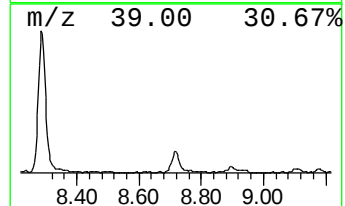
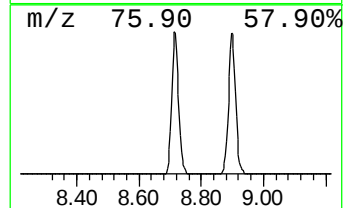
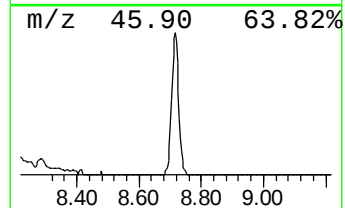
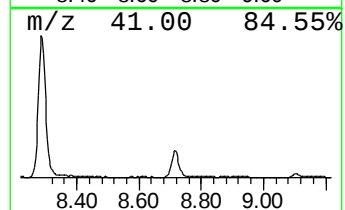
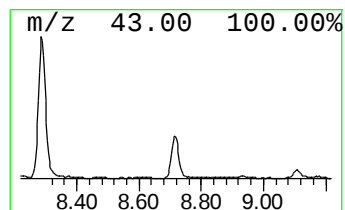
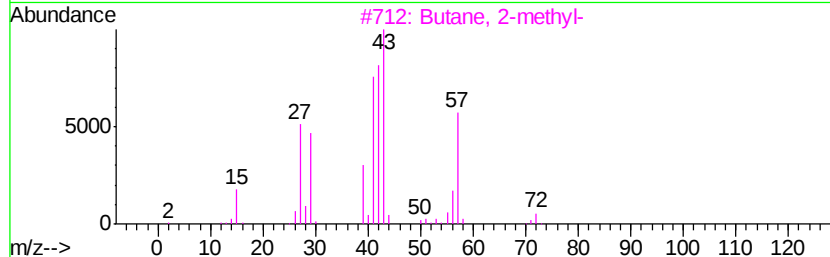
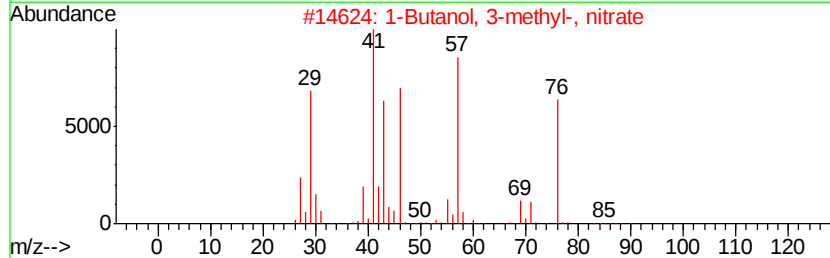
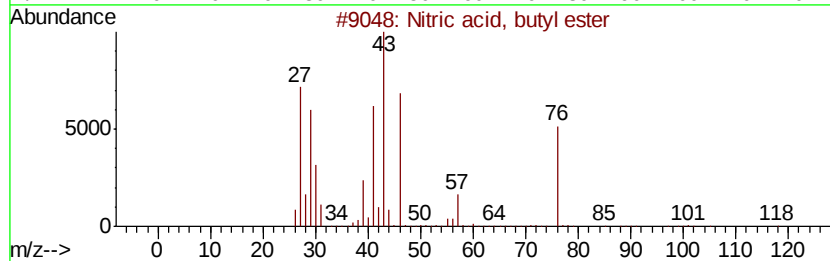
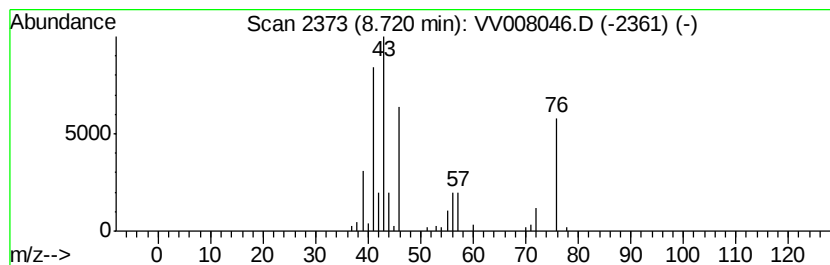
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 11 Nitric acid, butyl ester Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	0.80 ug/L	52083	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nitric acid, butyl ester	119	C4H9NO3	000928-45-0	59
2		1-Butanol, 3-methyl-, nitrate	133	C5H11NO3	000543-87-3	36
3		Butane, 2-methyl-	72	C5H12	000078-78-4	22
4		Butane, 2-methyl-	72	C5H12	000078-78-4	14
5		1,3-Butanediol, (S)-	90	C4H10O2	024621-61-2	12



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
JLC92

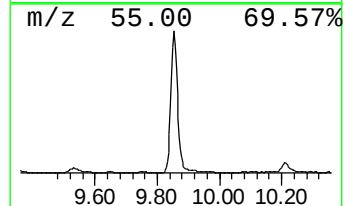
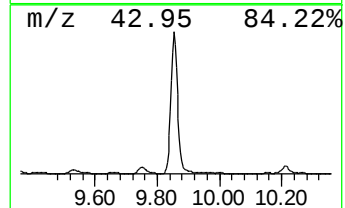
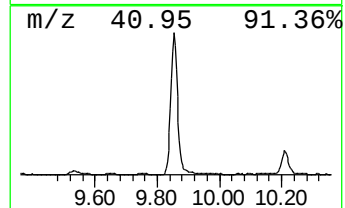
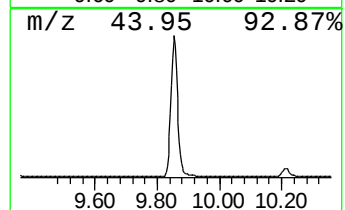
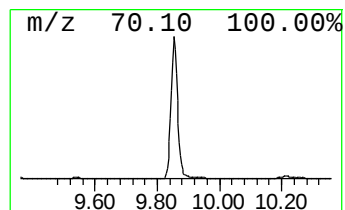
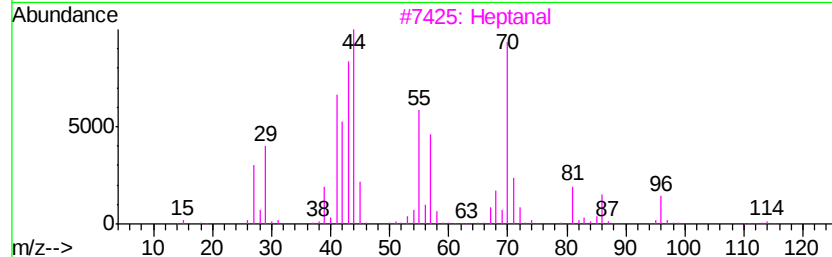
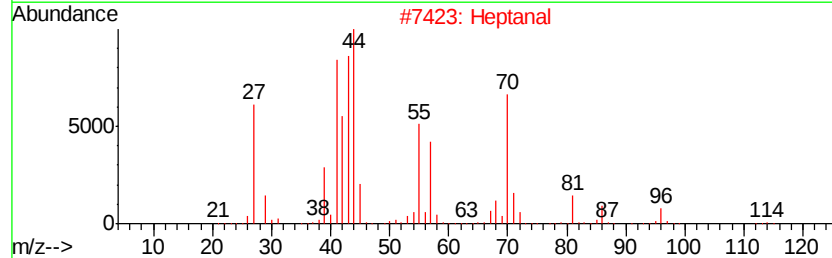
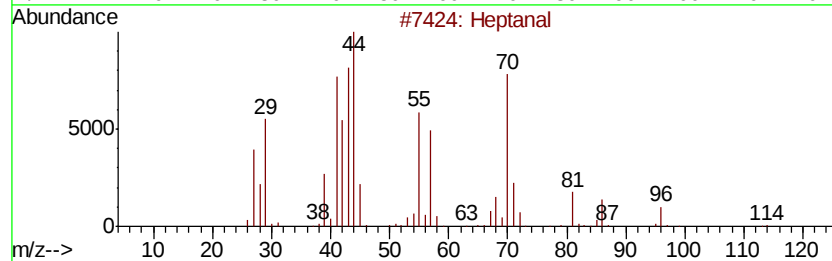
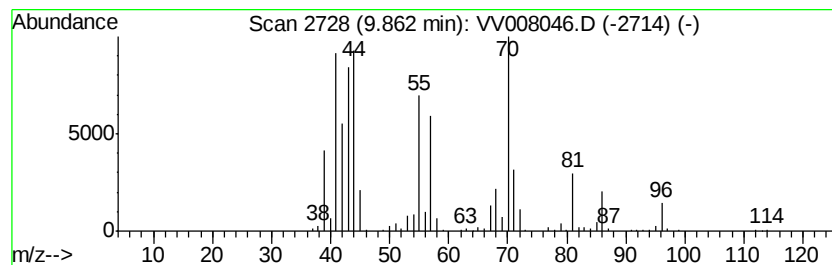
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 12 Heptanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	9.62 ug/L	626004	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	95
2		Heptanal	114	C7H14O	000111-71-7	95
3		Heptanal	114	C7H14O	000111-71-7	83
4		Heptanal	114	C7H14O	000111-71-7	70
5		2-Butene, 2-methyl-	70	C5H10	000513-35-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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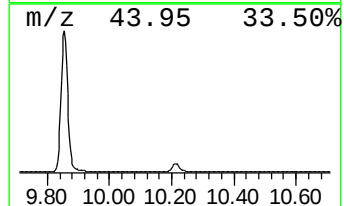
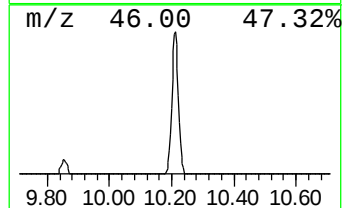
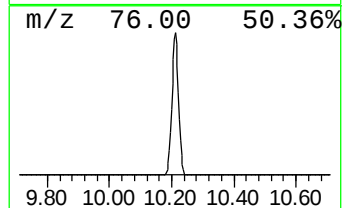
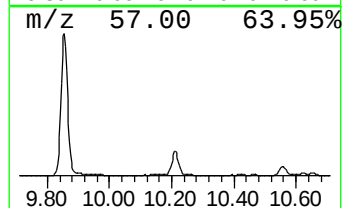
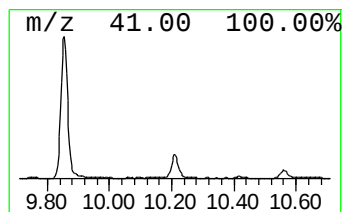
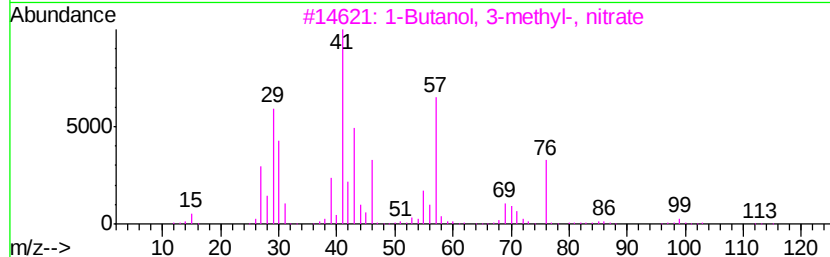
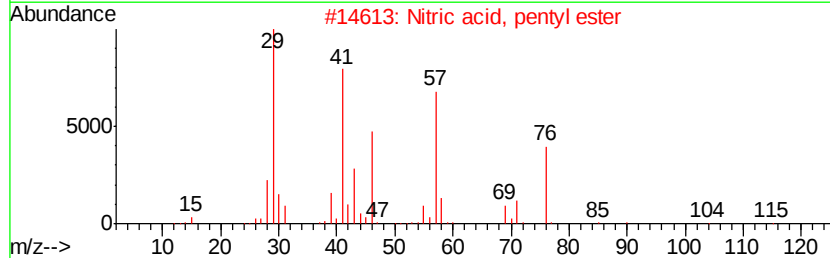
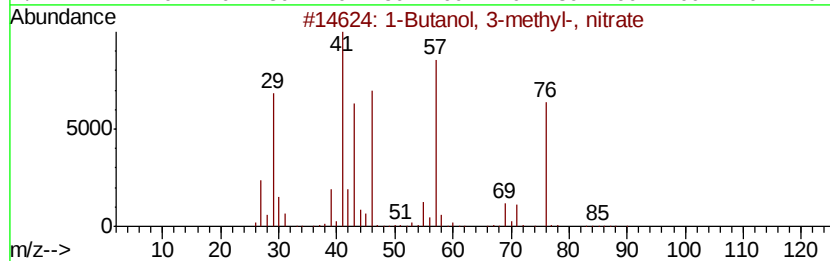
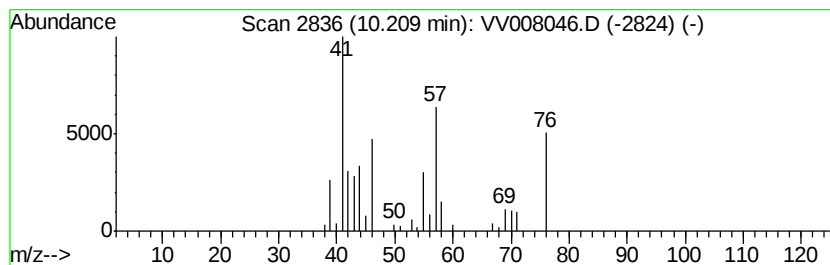
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 13 1-Butanol, 3-methyl-, nitrate Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	0.77 ug/L	57821	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Butanol, 3-methyl-, nitrate	133	C5H11NO3	000543-87-3	59
2		Nitric acid, pentyl ester	133	C5H11NO3	001002-16-0	40
3		1-Butanol, 3-methyl-, nitrate	133	C5H11NO3	000543-87-3	28
4		Isoamyl nitrite	117	C5H11NO2	000110-46-3	12
5		Cyclopropanecarboxaldehyde	70	C4H6O	001489-69-6	10



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

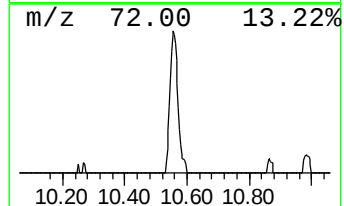
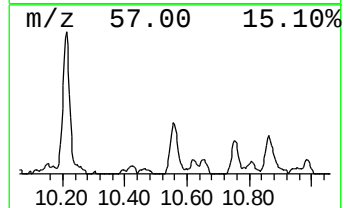
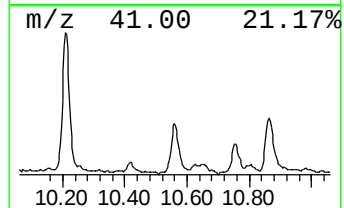
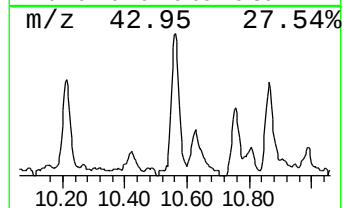
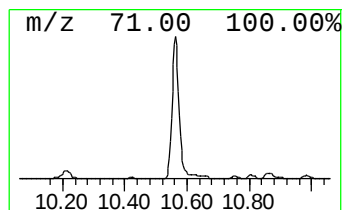
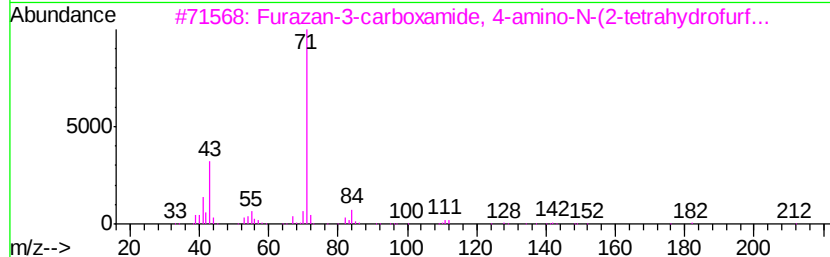
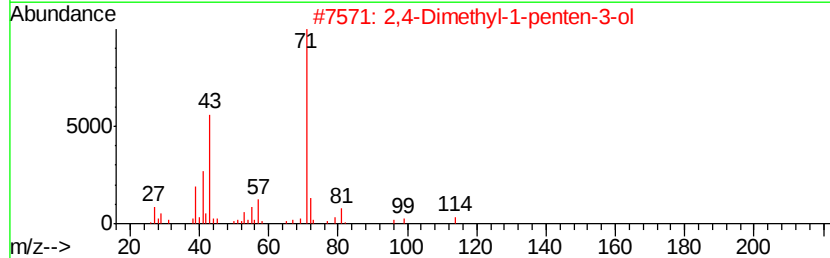
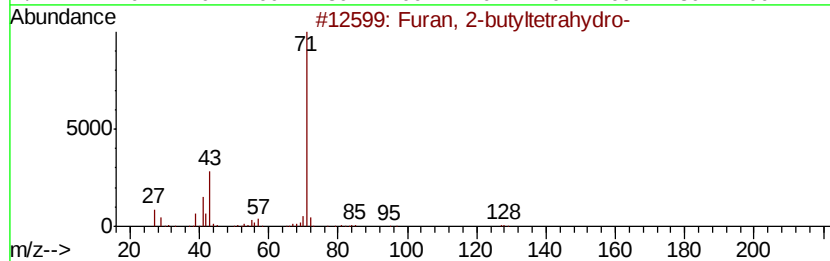
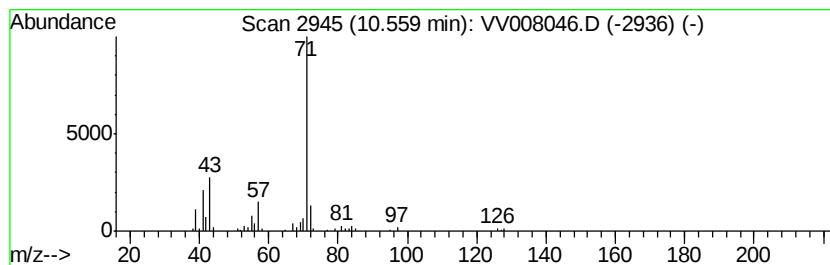
Instrument :
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ClientSampled :
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 15 Furan, 2-butyltetrahydro- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	0.67 ug/L	50275	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Furan, 2-butyltetrahydro-	128 C8H16O	001004-29-1 64
2		2,4-Dimethyl-1-penten-3-ol	114 C7H14O	019781-54-5 56
3		Furazan-3-carboxamide, 4-amino-N...	212 C8H12N4O3	309735-27-1 45
4		2,2'-Bifuran, octahydro-	142 C8H14O2	001592-33-2 42
5		Butyric acid, 1-propylpentyl ester	200 C12H24O2	020286-46-8 40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

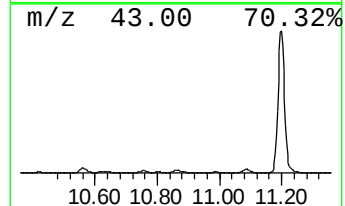
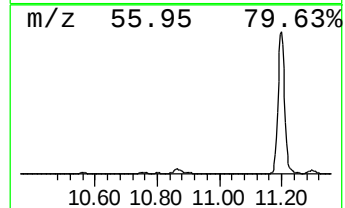
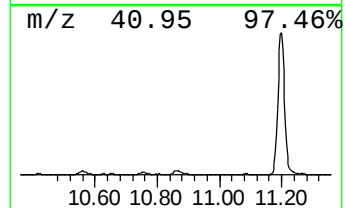
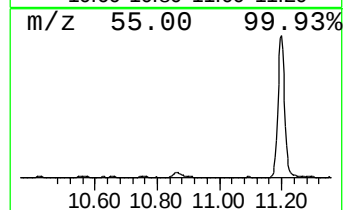
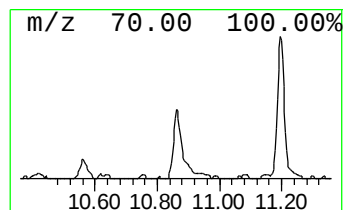
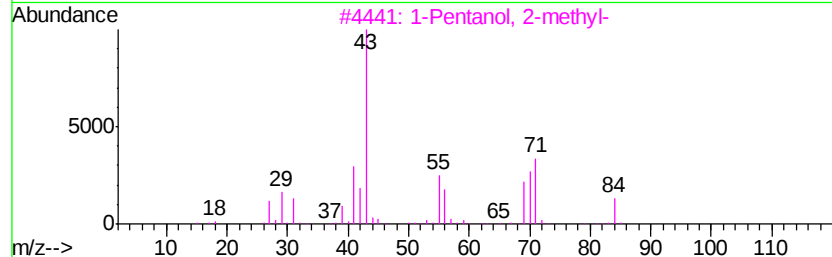
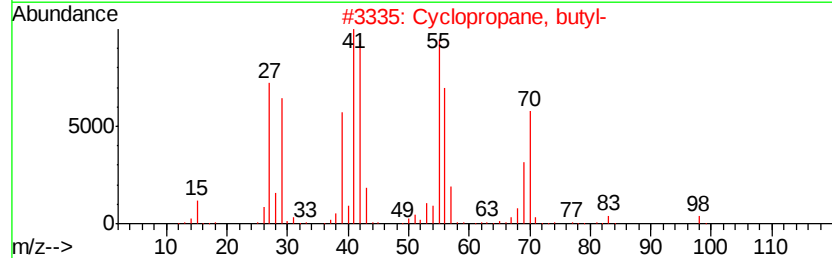
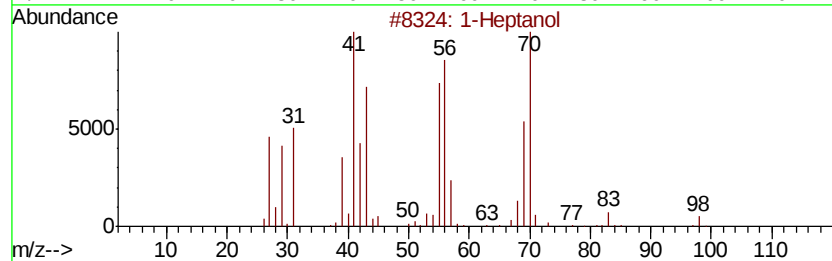
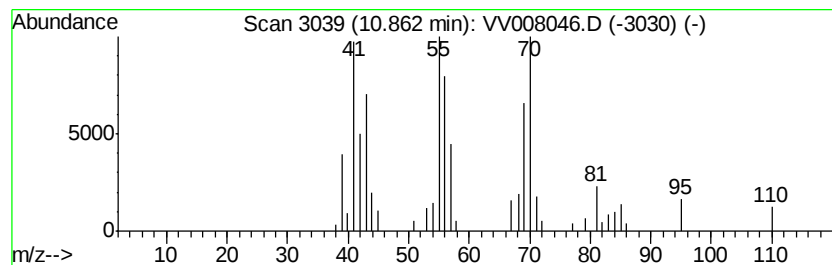
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 16 1-Heptanol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.86	0.64 ug/L	47761	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptanol	116	C7H16O	000111-70-6	59
2	Cyclopropane, butyl-	98	C7H14	000930-57-4	53
3	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	53
4	1-Heptanol	116	C7H16O	000111-70-6	53
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

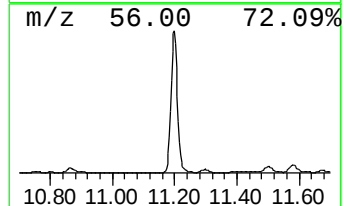
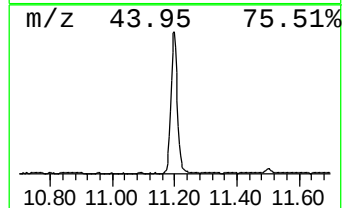
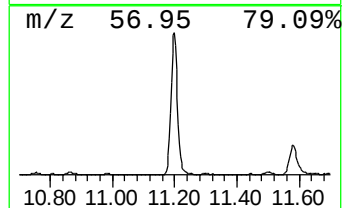
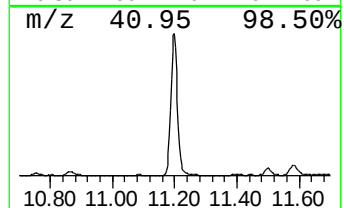
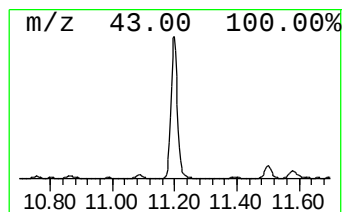
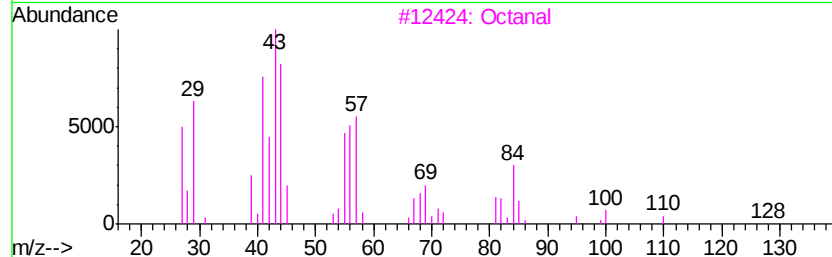
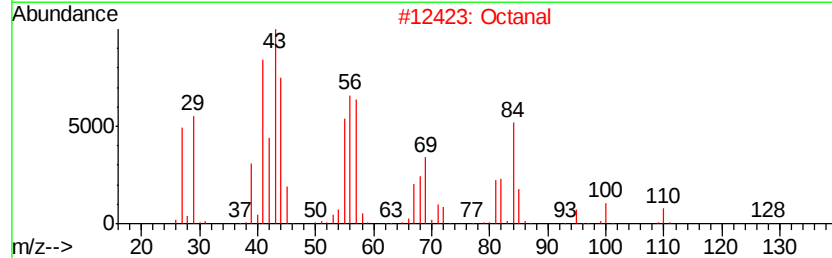
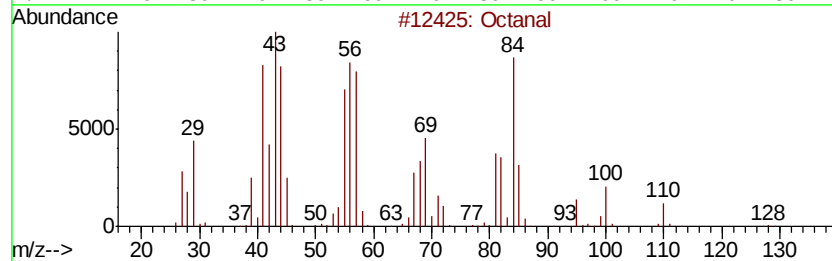
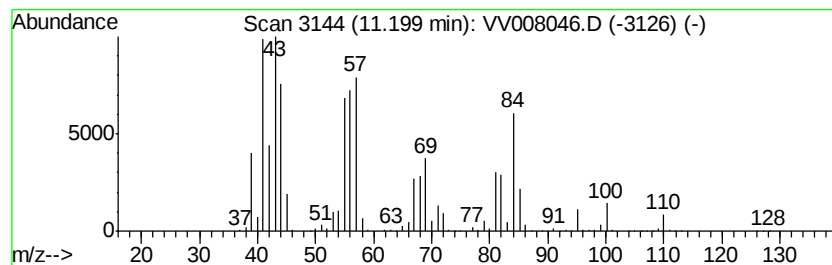
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ClientSampled :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 17 Octanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	19.68 ug/L	1469860	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octanal		128 C8H16O	000124-13-0 98
2	Octanal		128 C8H16O	000124-13-0 97
3	Octanal		128 C8H16O	000124-13-0 95
4	Octanal		128 C8H16O	000124-13-0 91
5	Octanal		128 C8H16O	000124-13-0 90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

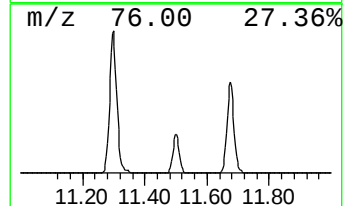
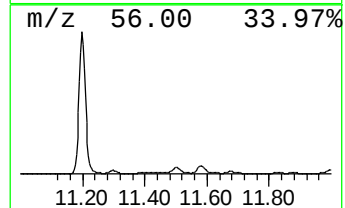
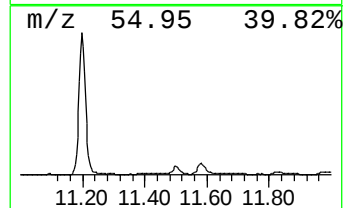
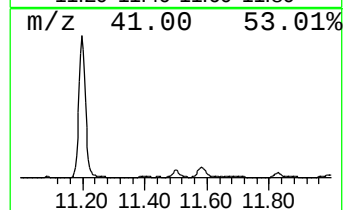
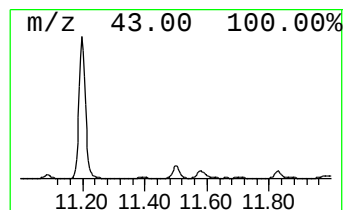
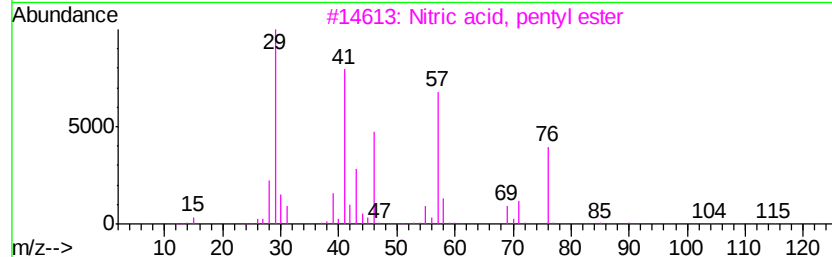
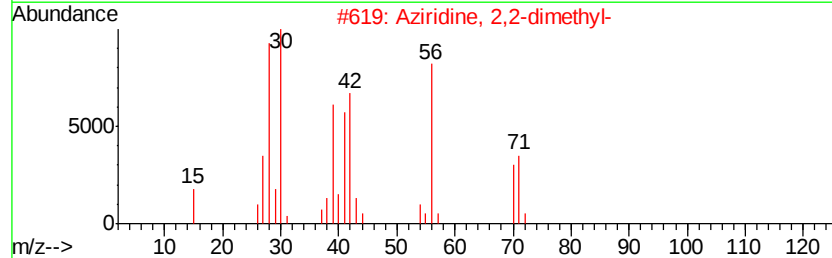
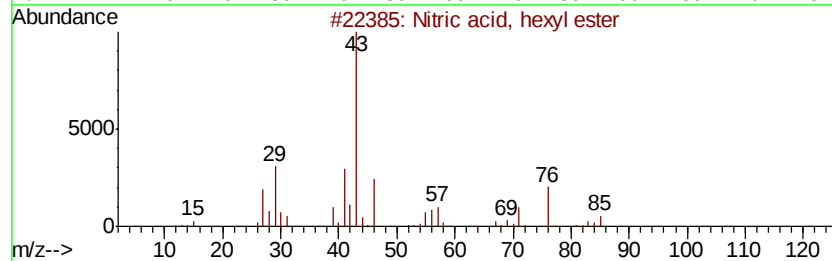
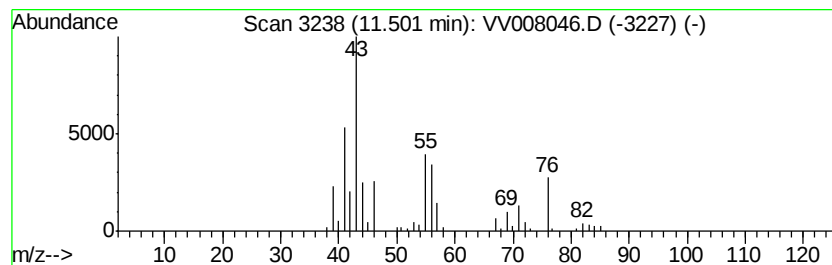
Instrument :
MSVOA_V
ClientSampleId :
JLC92

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Quant Title : TRACE VOA SOM01.0

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

Peak Number 18 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.50	0.84 ug/L	62768	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitric acid, hexyl ester	147	C6H13NO3	020633-11-8	38
2	Aziridine, 2,2-dimethyl-	71	C4H9N	002658-24-4	27
3	Nitric acid, pentyl ester	133	C5H11NO3	001002-16-0	17
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	12
5	Methoxyacetoneitrile	71	C3H5NO	001738-36-9	9



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
JLC92

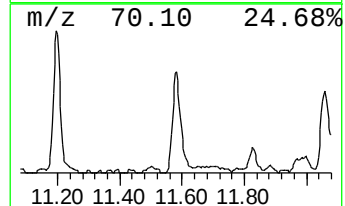
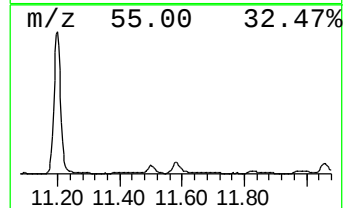
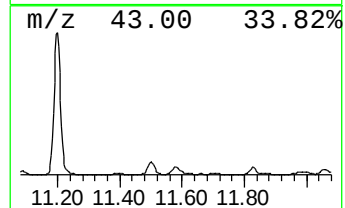
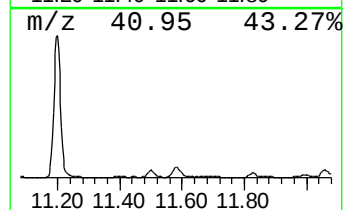
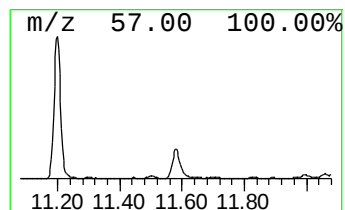
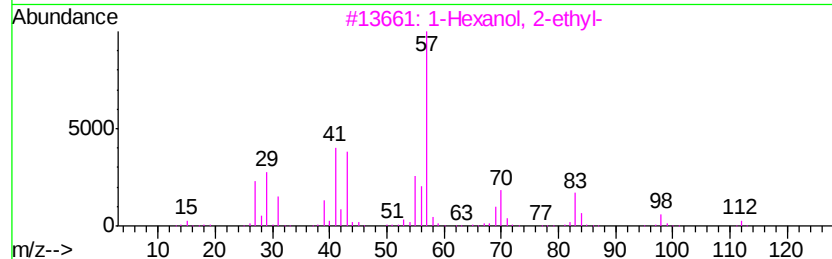
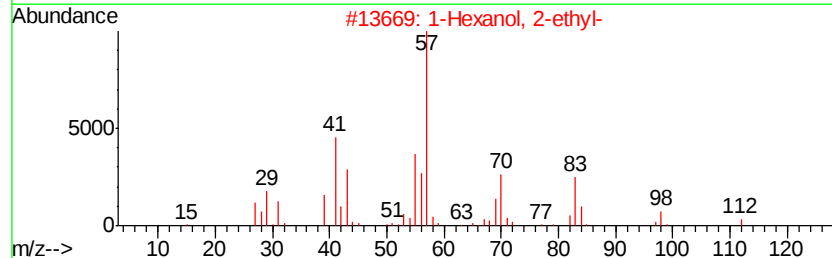
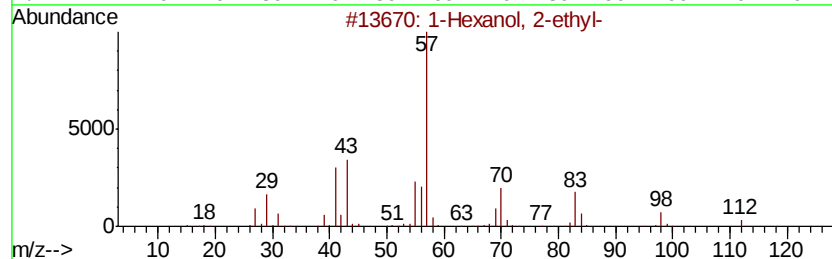
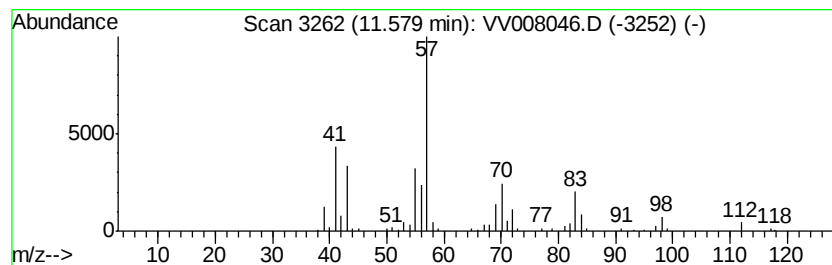
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 19 1-Hexanol, 2-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	1.67 ug/L	125017	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	86
2			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	86
3			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	86
4			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
5			Oxirane, [[(2-ethylhexyl)oxy]met...	186	C11H22O2	002461-15-6	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
JLC92

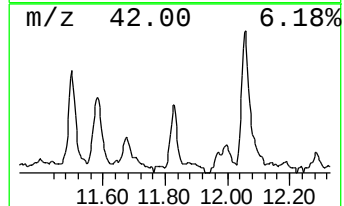
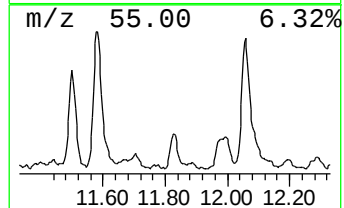
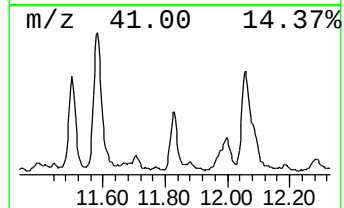
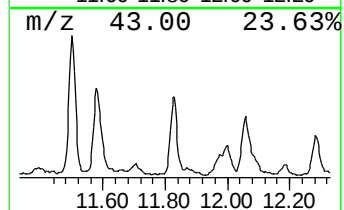
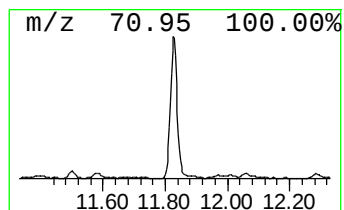
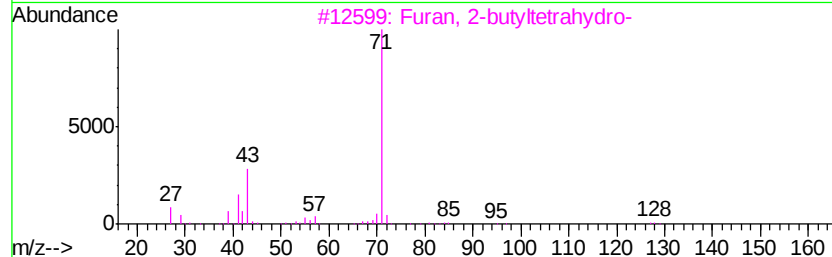
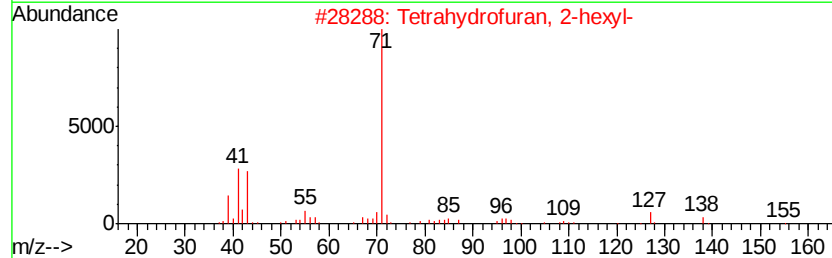
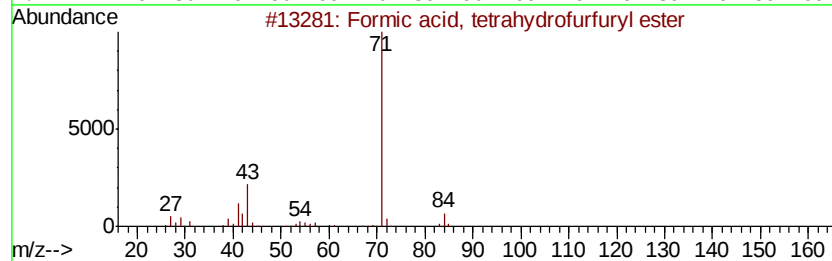
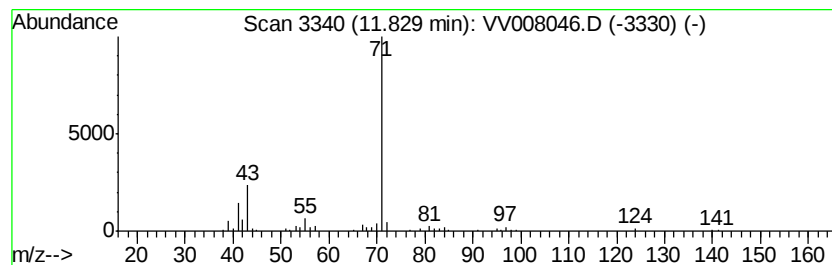
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 20 Formic acid, tetrahydrofurf... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	0.89 ug/L	66534	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Formic acid, tetrahydrofurfuryl ...	130	C6H10O3	1000368-75-5	72
2		Tetrahydrofuran, 2-hexyl-	156	C10H20O	003208-32-0	72
3		Furan, 2-butyltetrahydro-	128	C8H16O	001004-29-1	72
4		Furan, 2-butyltetrahydro-	128	C8H16O	001004-29-1	56
5		Ethane-1,1-diol dibutanoate	202	C10H18O4	025572-25-2	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
JLC92

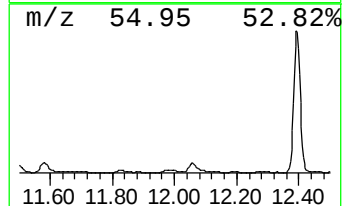
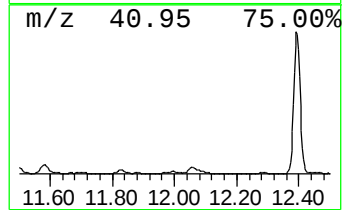
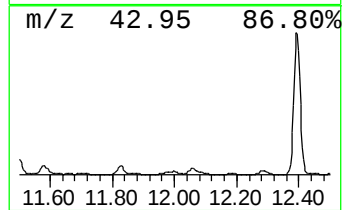
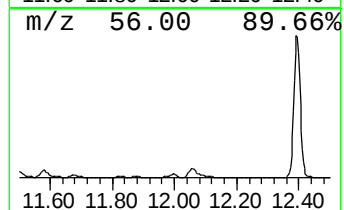
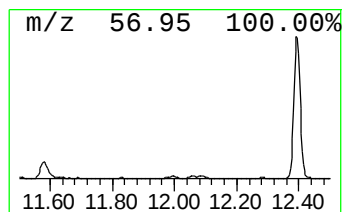
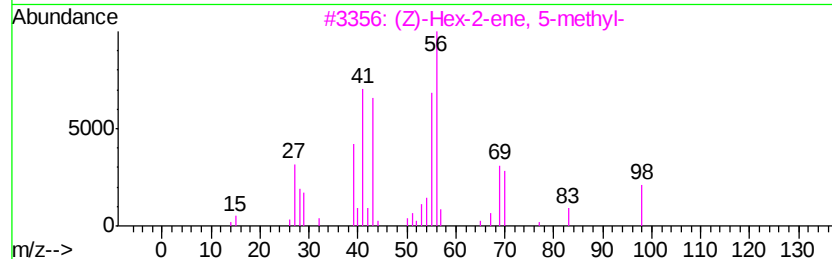
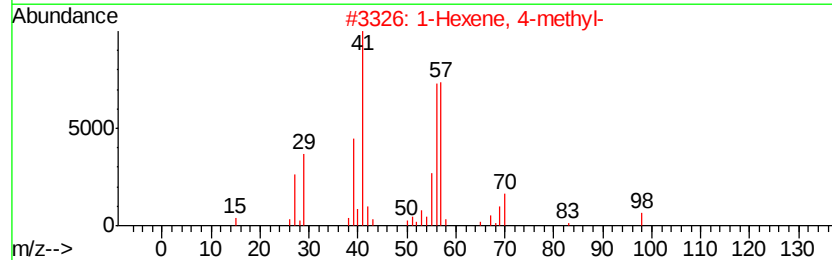
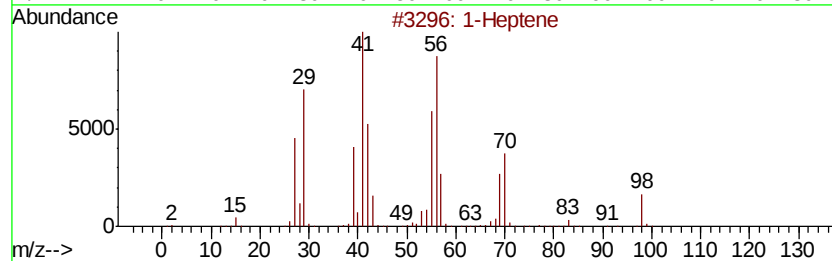
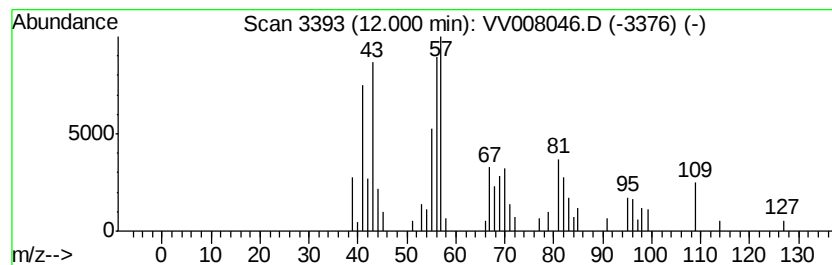
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic12.00 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	0.63 ug/L	46713	1,4-Dichlorobenzene-d4	11.30

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heptene	98	C7H14	000592-76-7	43
2		1-Hexene, 4-methyl-	98	C7H14	003769-23-1	43
3		(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	38
4		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	38
5		(Z)-2-Heptene	98	C7H14	006443-92-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
JLC92

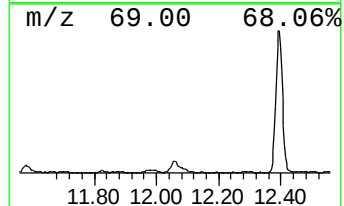
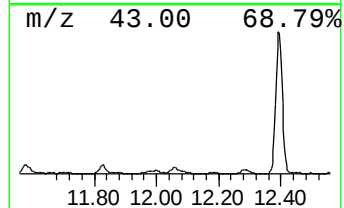
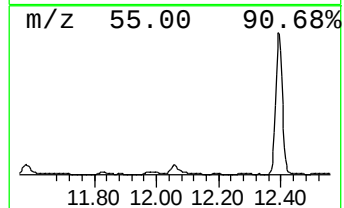
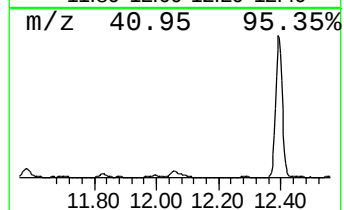
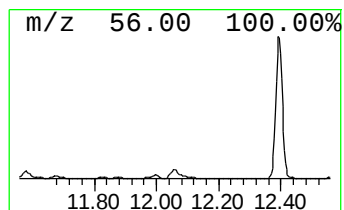
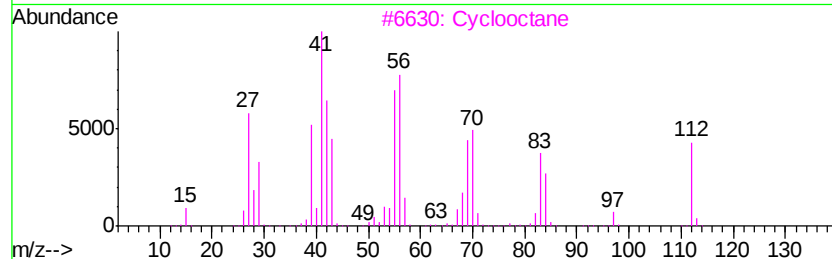
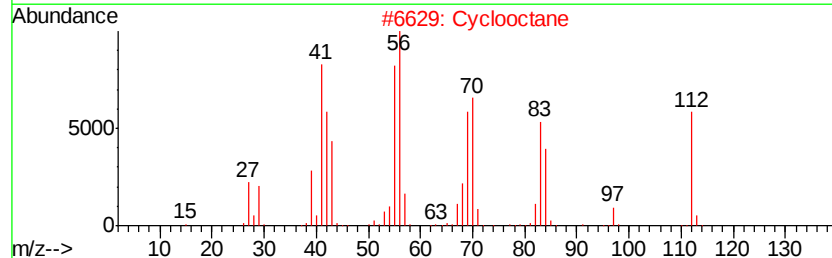
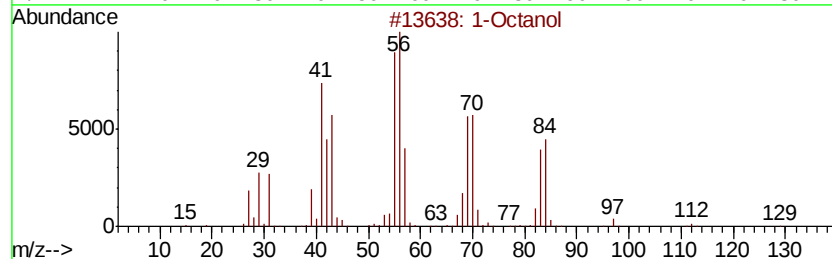
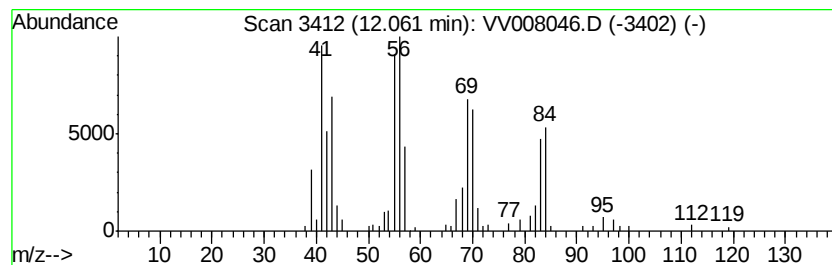
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 22 1-Octanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	1.39 ug/L	103896	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octanol	130	C8H18O	000111-87-5	91
2			Cyclooctane	112	C8H16	000292-64-8	90
3			Cyclooctane	112	C8H16	000292-64-8	87
4			1-Octanol	130	C8H18O	000111-87-5	86
5			1-Octanol	130	C8H18O	000111-87-5	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
JLC92

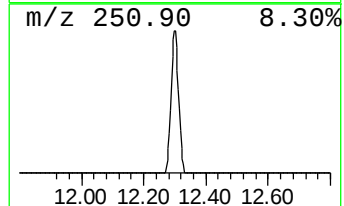
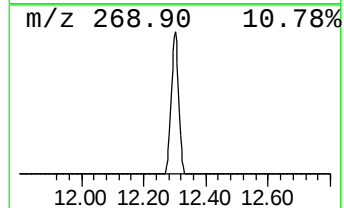
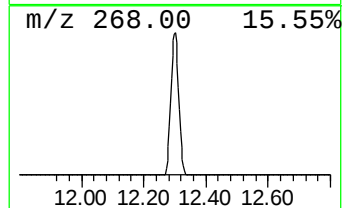
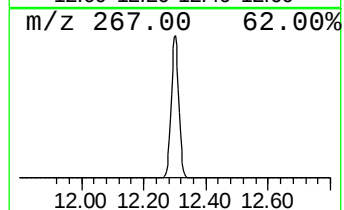
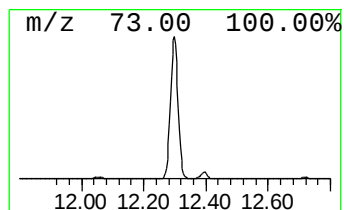
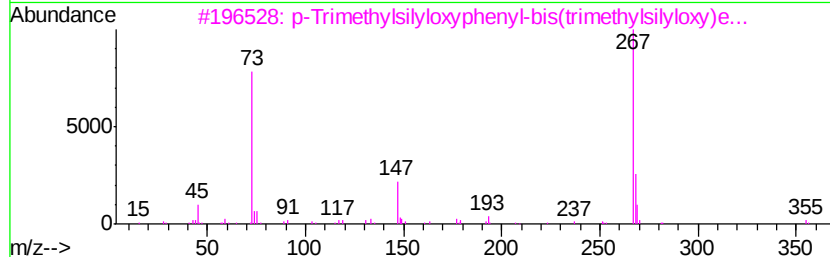
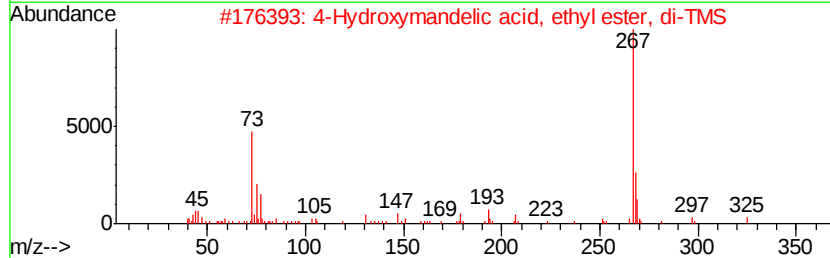
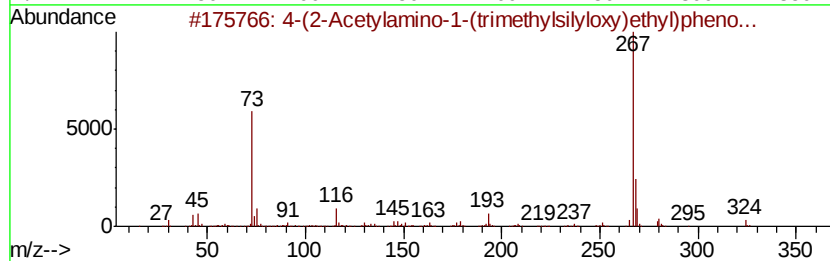
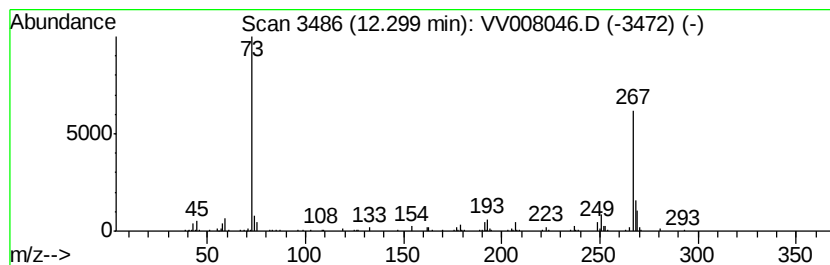
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 23 4-(2-Acetylamino-1-(trimeth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.00 ug/L	149375	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-(2-Acetylamino-1-(trimethylsil...	339	C16H29N03Si2	1000373-43-5	72
2		4-Hydroxymandelic acid, ethyl es...	340	C16H28O4Si2	1000071-53-3	56
3		p-Trimethylsilyloxyphenyl-bis(tr...	370	C17H34O3Si3	1000079-08-1	45
4		Plumbane, diethyldimethyl-	296	C6H16Pb	001762-27-2	43
5		4-Trimethylsilyl-9,9-dimethyl-9-...	282	C17H22Si2	058263-56-2	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
JLC92

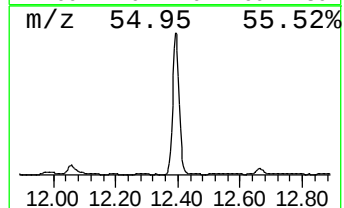
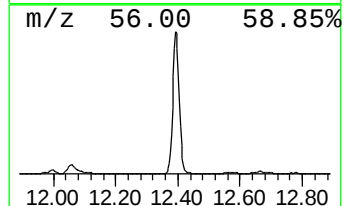
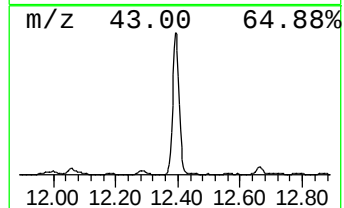
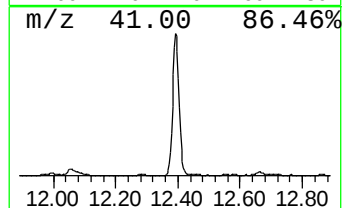
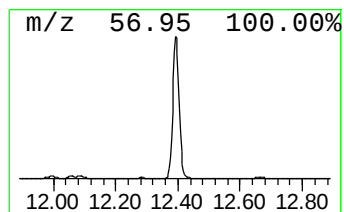
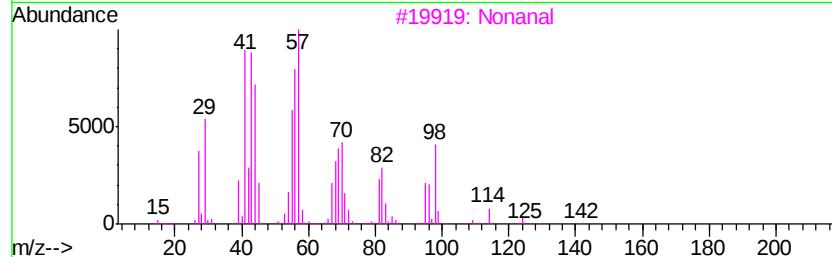
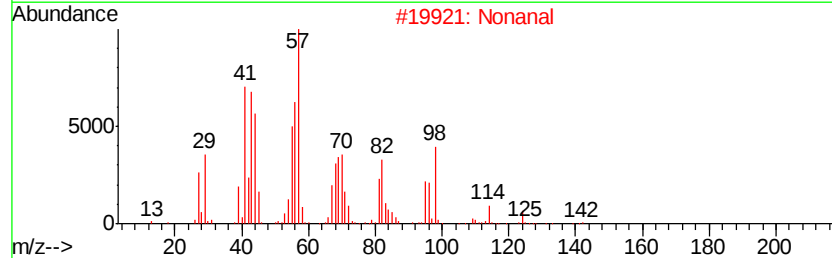
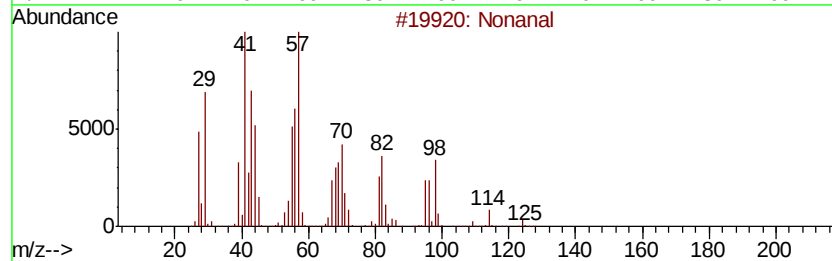
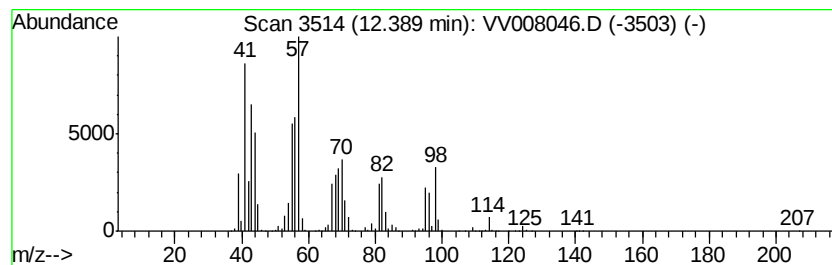
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 24 Nonanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	23.47 ug/L	1752690	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanal	142	C9H18O	000124-19-6	91
2		Nonanal	142	C9H18O	000124-19-6	91
3		Nonanal	142	C9H18O	000124-19-6	90
4		Nonanal	142	C9H18O	000124-19-6	90
5		Cyclohexanol, 2-methyl-, trans-	114	C7H14O	007443-52-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
JLC92

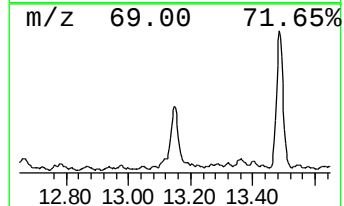
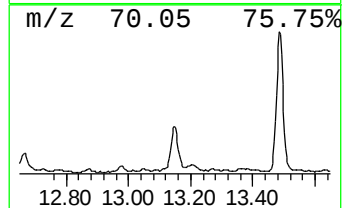
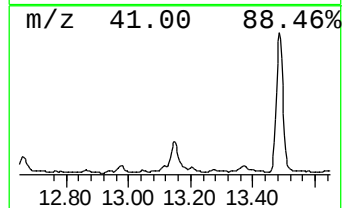
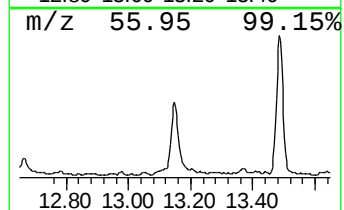
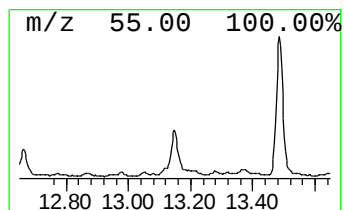
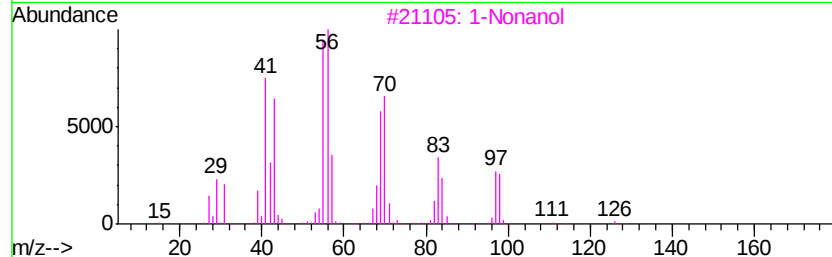
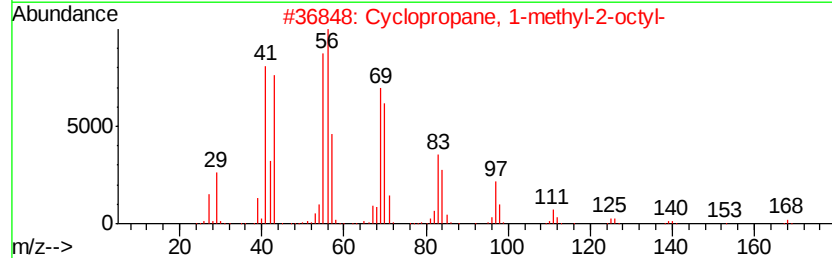
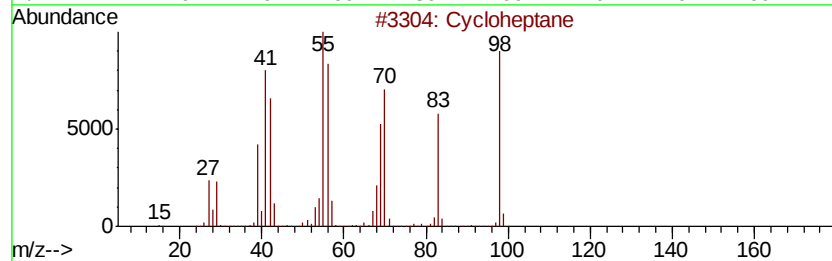
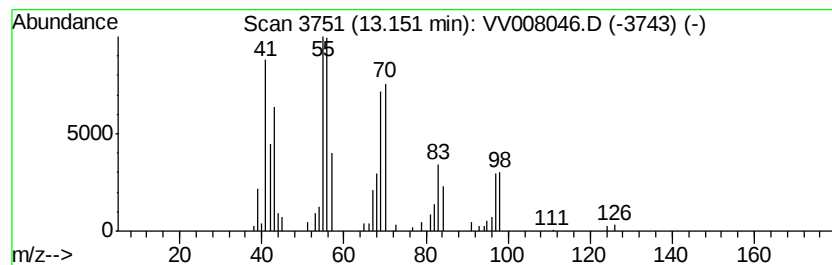
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic13.15 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	0.97 ug/L	72605	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cycloheptane	98	C7H14	000291-64-5	76
2		Cyclopropane, 1-methyl-2-octyl-	168	C12H24	037617-26-8	72
3		1-Nonanol	144	C9H20O	000143-08-8	72
4		1-Heptene	98	C7H14	000592-76-7	70
5		Isopropylcyclobutane	98	C7H14	000872-56-0	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100318\
Data File : VV008046.D
Acq On : 03 Oct 2018 11:33
Operator : SY/MD
Sample : J5185-12
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 4 Sample Multiplier: 1

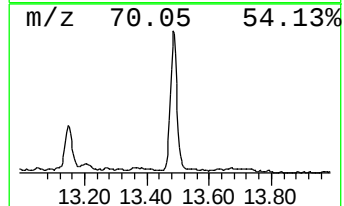
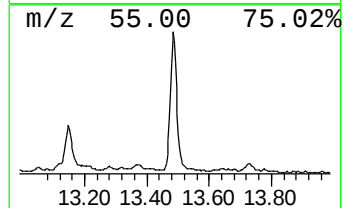
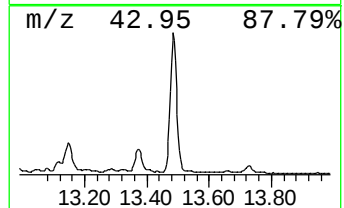
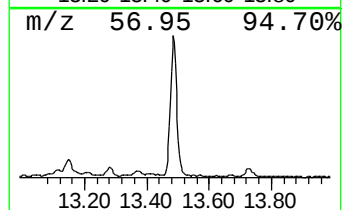
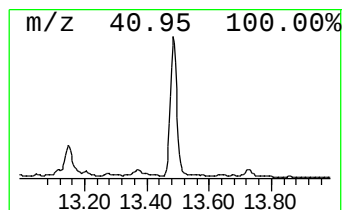
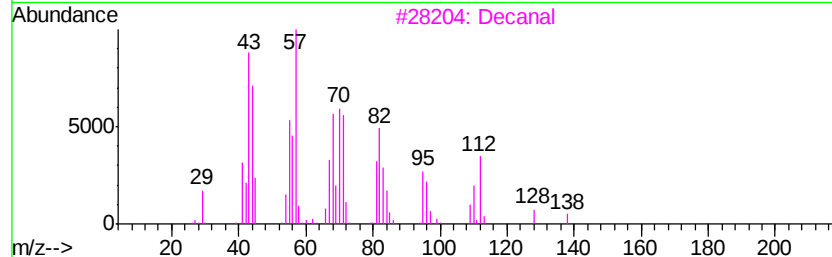
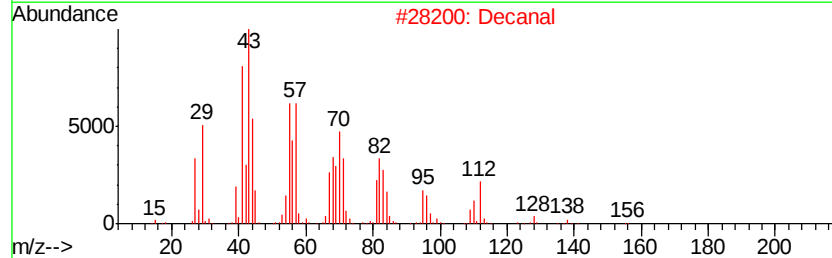
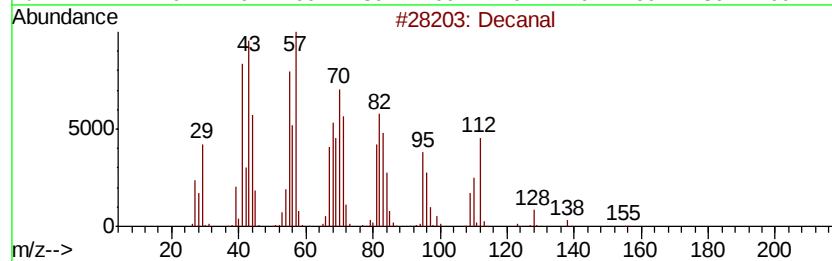
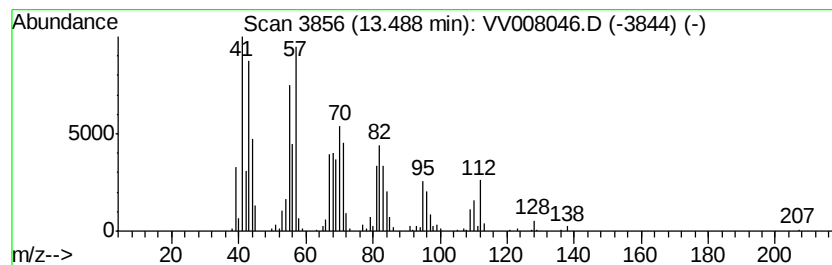
Instrument :
MSVOA_V
ClientSampleId :
JLC92

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 26 Decanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	4.92 ug/L	367332	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decanal		156 C10H20O	000112-31-2 91
2	Decanal		156 C10H20O	000112-31-2 91
3	Decanal		156 C10H20O	000112-31-2 87
4	Decanal		156 C10H20O	000112-31-2 80
5	Bromoacetic acid, 10-undecenyl e...		290 C13H23BrO2	195373-65-0 45



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100318\
 Data File : VV008046.D
 Acq On : 03 Oct 2018 11:33
 Operator : SY/MD
 Sample : J5185-12
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 JLC92

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	1.79	0.8	ug/L	41346	1	5.67	261419	5.0
(DEL) Alkane: Str...	2.98	0.7	ug/L	38396	1	5.67	261419	5.0
Butanal	3.76	4.2	ug/L	217402	1	5.67	261419	5.0
Pentanal	6.34	3.4	ug/L	179675	1	5.67	261419	5.0
Hexanal	8.29	5.6	ug/L	365685	2	8.90	325406	5.0
Nitric acid, buty...	8.72	0.8	ug/L	52083	2	8.90	325406	5.0
Heptanal	9.86	9.6	ug/L	626004	2	8.90	325406	5.0
1-Butanol, 3-meth...	10.21	0.8	ug/L	57821	3	11.30	373430	5.0
Furan, 2-butylytet...	10.56	0.7	ug/L	50275	3	11.30	373430	5.0
1-Heptanol	10.86	0.6	ug/L	47761	3	11.30	373430	5.0
Octanal	11.20	19.7	ug/L	1469860	3	11.30	373430	5.0
unknown-01	11.50	0.8	ug/L	62768	3	11.30	373430	5.0
1-Hexanol, 2-ethyl-	11.58	1.7	ug/L	125017	3	11.30	373430	5.0
Formic acid, tetr...	11.83	0.9	ug/L	66534	3	11.30	373430	5.0
(DEL) Alkane: Cyc...	12.00	0.6	ug/L	46713	3	11.30	373430	5.0
1-Octanol	12.06	1.4	ug/L	103896	3	11.30	373430	5.0
4-(2-Acetylamino-...	12.30	2.0	ug/L	149375	3	11.30	373430	5.0
Nonanal	12.39	23.5	ug/L	1752690	3	11.30	373430	5.0
(DEL) Alkane: Cyc...	13.15	1.0	ug/L	72605	3	11.30	373430	5.0
Decanal	13.49	4.9	ug/L	367332	3	11.30	373430	5.0