

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002236.D
 Acq On : 06 Apr 2020 14:54
 Operator : SY/MD
 Sample : L2169-01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 96ST-1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.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	1.865	17	21	29	rVB2	10965	17793	1.06%	0.334%
2	2.207	70	77	88	rBV2	9713	20543	1.23%	0.386%
3	2.396	102	108	124	rBV	25006	69870	4.17%	1.313%
4	2.621	142	145	157	rBV	7115	22105	1.32%	0.415%
5	3.993	361	370	379	rBV3	5882	19659	1.17%	0.369%
6	5.602	622	634	653	rBV2	26413	98657	5.90%	1.853%
7	6.718	806	817	839	rBV2	50989	170938	10.21%	3.211%
8	7.011	855	865	879	rBV2	11815	44102	2.64%	0.829%
9	7.730	973	983	988	rBV	63200	148001	8.84%	2.780%
10	7.797	988	994	1006	rVB	124242	283180	16.92%	5.320%
11	8.151	1044	1052	1071	rBV2	85060	236458	14.13%	4.442%
12	8.407	1085	1094	1108	rVB	59808	142932	8.54%	2.685%
13	8.571	1113	1121	1134	rVV2	30912	70741	4.23%	1.329%
14	8.699	1134	1142	1152	rVB	198338	393764	23.53%	7.397%
15	8.913	1167	1177	1210	rBV	399628	1673534	100.00%	31.440%
16	9.151	1210	1216	1227	rVV3	17054	50412	3.01%	0.947%
17	9.266	1230	1235	1246	rVB2	7221	18250	1.09%	0.343%
18	9.468	1260	1268	1304	rVB	74696	228469	13.65%	4.292%
19	10.181	1376	1385	1393	rBV	306545	560572	33.50%	10.531%
20	10.443	1424	1428	1442	rVB3	6946	17247	1.03%	0.324%
21	10.583	1444	1451	1454	rBV	34675	64636	3.86%	1.214%
22	10.614	1454	1456	1471	rVB	23666	51254	3.06%	0.963%
23	10.943	1503	1510	1514	rVV4	13520	26882	1.61%	0.505%
24	10.998	1514	1519	1531	rVB	18428	36220	2.16%	0.680%
25	11.492	1593	1600	1609	rBV	223103	357748	21.38%	6.721%
26	12.485	1757	1763	1771	rBV2	133044	223151	13.33%	4.192%
27	13.144	1864	1871	1884	rBV	17591	33098	1.98%	0.622%
28	13.369	1904	1908	1912	rVV	11365	16962	1.01%	0.319%
29	13.424	1912	1917	1925	rVB	91853	147438	8.81%	2.770%
30	13.534	1927	1935	1941	rBV2	10907	18846	1.13%	0.354%
31	14.180	2033	2041	2043	rVV6	8891	17185	1.03%	0.323%
32	14.211	2043	2046	2051	rVB3	11265	16853	1.01%	0.317%
33	14.454	2080	2086	2096	rVB5	8682	25464	1.52%	0.478%

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ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
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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

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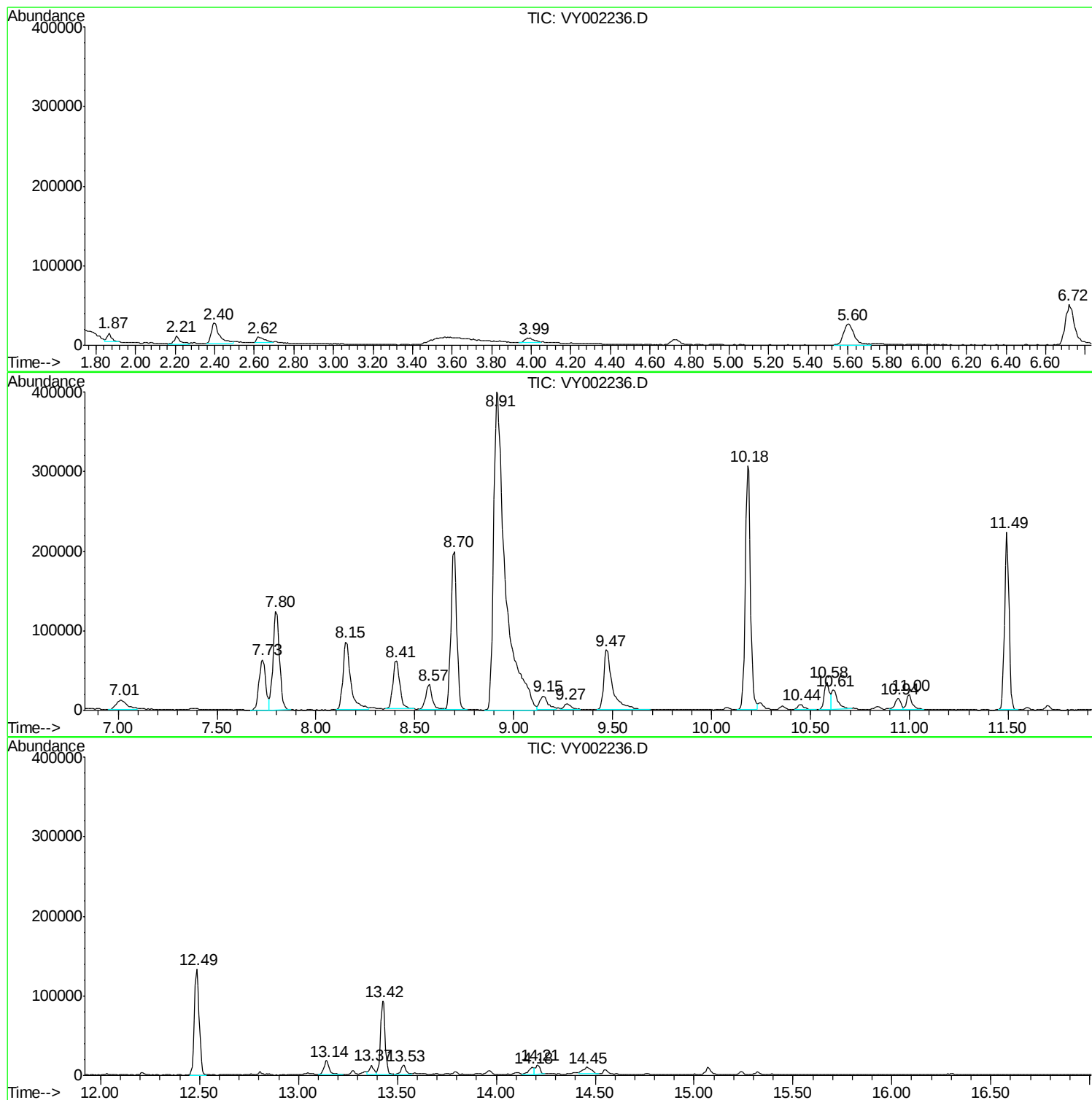
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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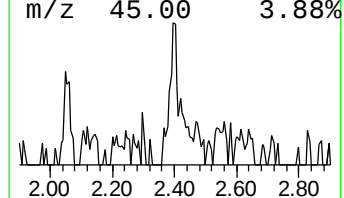
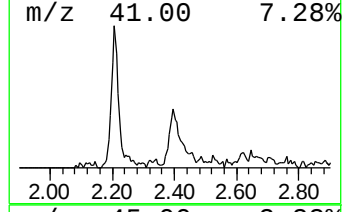
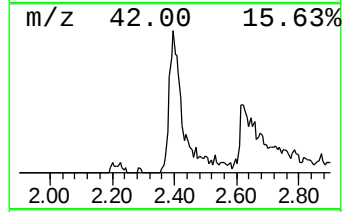
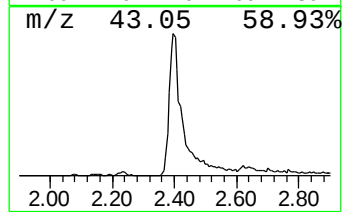
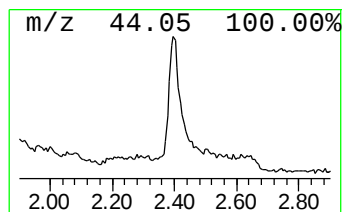
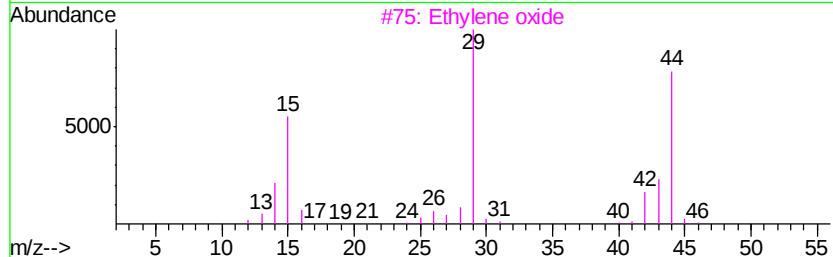
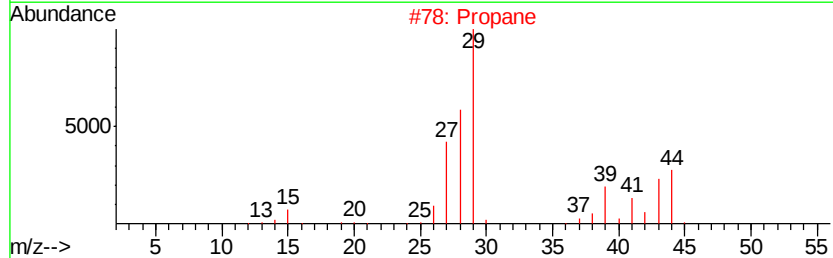
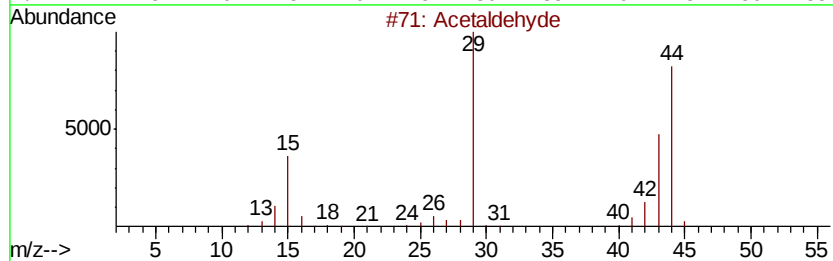
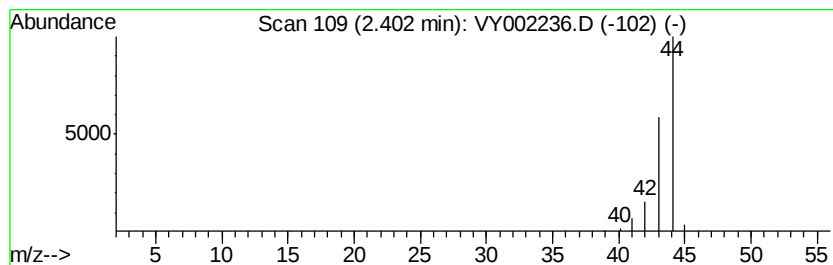
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Acetaldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	12.34 ug/l	69870	Pentafluorobenzene	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetaldehydve	44	C2H4O	000075-07-0	83
2		Propane	44	C3H8	000074-98-6	5
3		Ethylene oxide	44	C2H4O	000075-21-8	5
4		Alanine	89	C3H7NO2	000056-41-7	4
5		1-Propanol, 2-amino-, (./-.-)-	75	C3H9NO	006168-72-5	4



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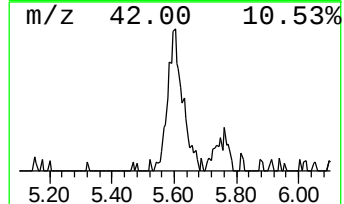
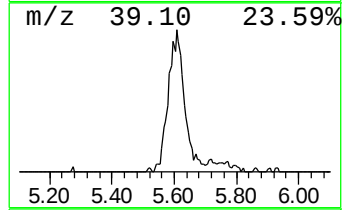
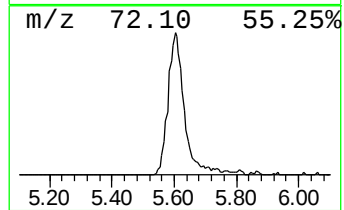
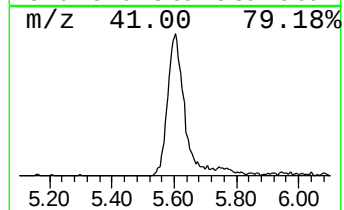
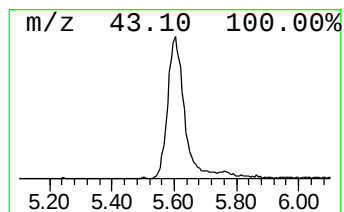
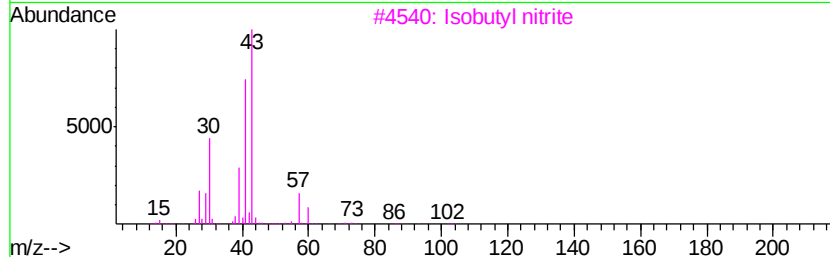
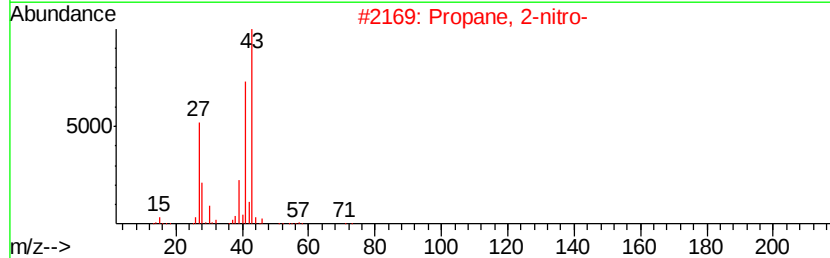
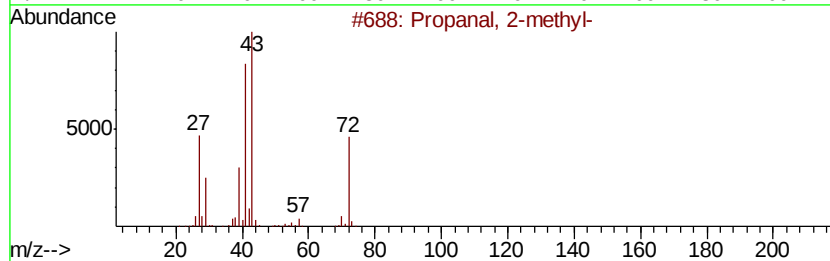
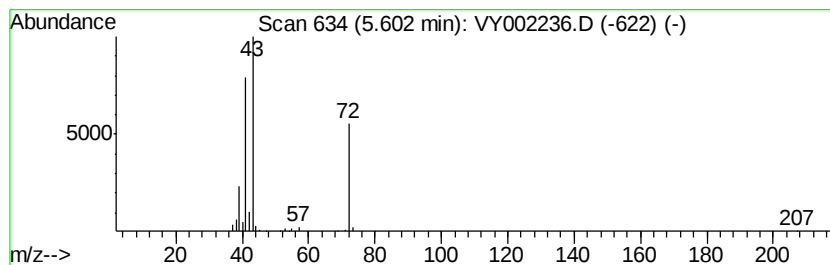
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Quant Title : SW846 8260

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

Peak Number 2 Propanal, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.60	17.42 ug/l	98657	Pentafluorobenzene	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	87
2		Propane, 2-nitro-	89	C3H7NO2	000079-46-9	32
3		Isobutyl nitrite	103	C4H9NO2	000542-56-3	23
4		DL-Isovaline, ethyl ester	145	C7H15NO2	056247-82-6	23
5		1-Propene, 1-methoxy-	72	C4H8O	007319-16-6	9



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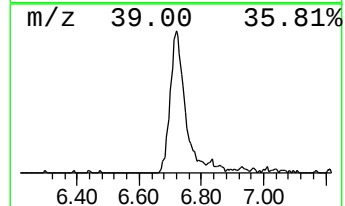
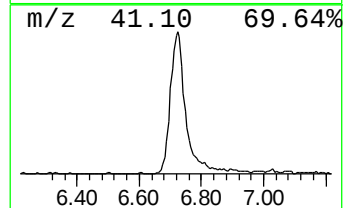
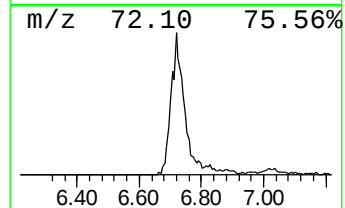
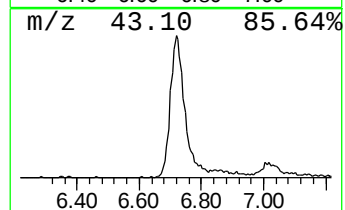
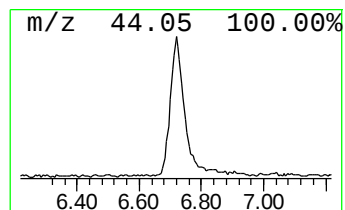
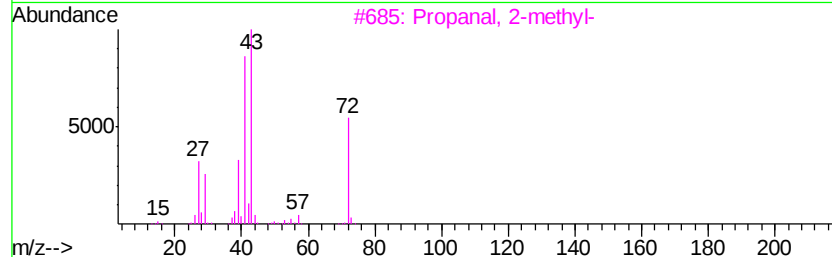
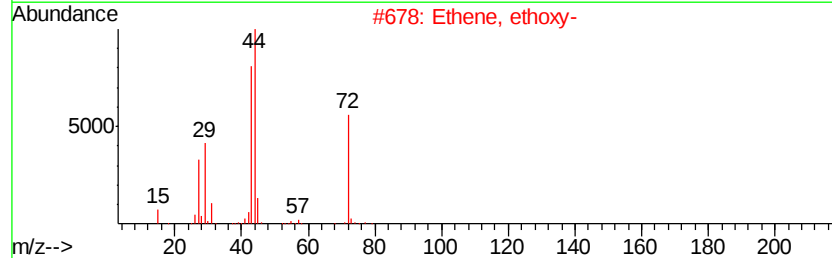
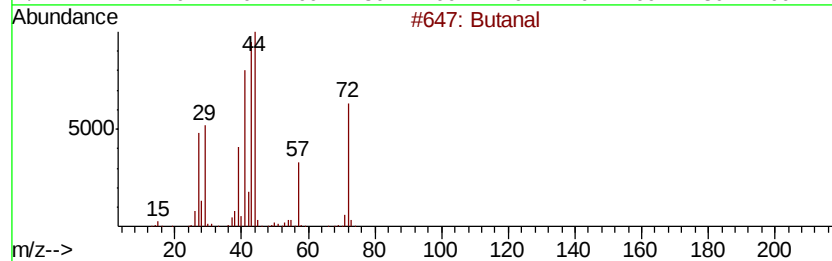
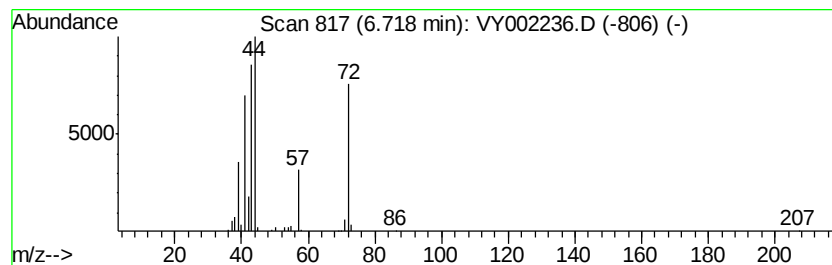
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Butanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	30.18 ug/l	170938	Pentafluorobenzene	7.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal		72	C4H8O	000123-72-8	91
2	Ethene, ethoxy-		72	C4H8O	000109-92-2	72
3	Propanal, 2-methyl-		72	C4H8O	000078-84-2	47
4	Isobutylene epoxide		72	C4H8O	000558-30-5	43
5	1-Propene, 3-methoxy-		72	C4H8O	000627-40-7	38



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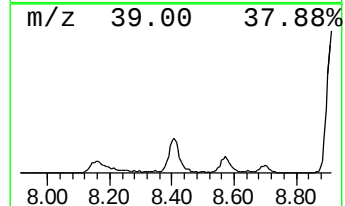
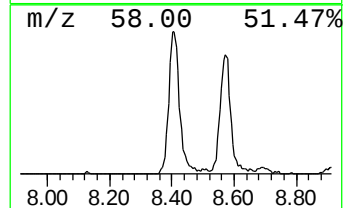
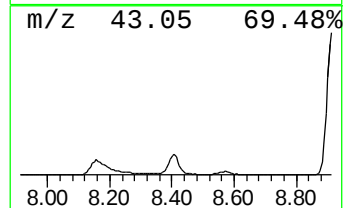
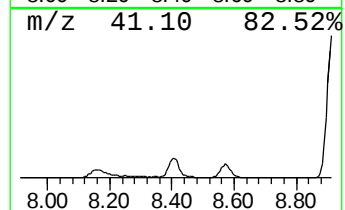
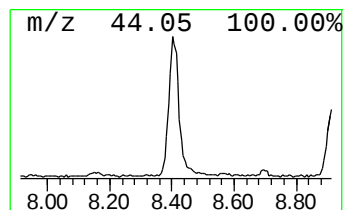
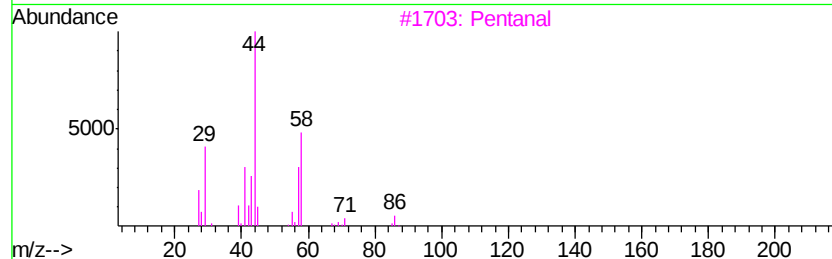
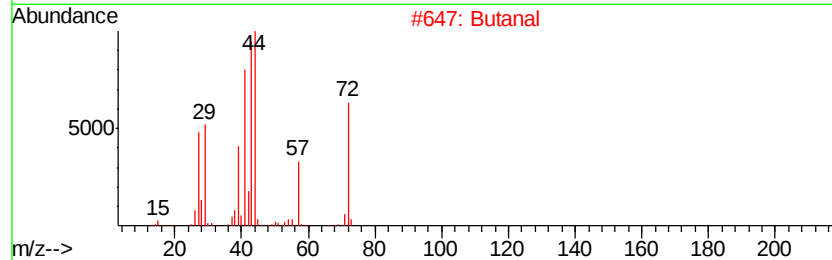
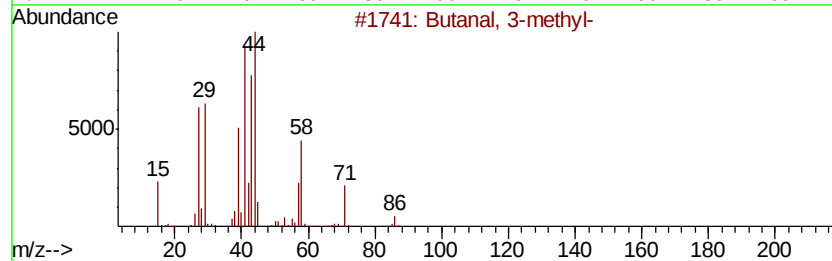
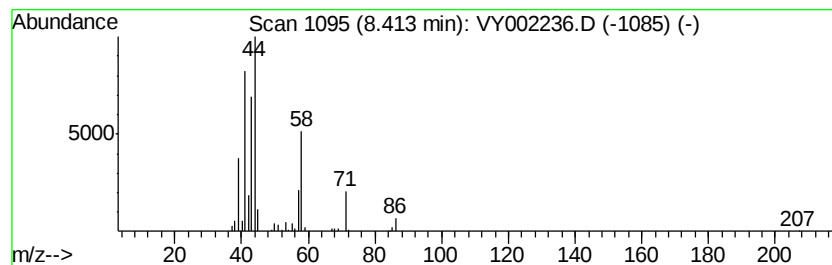
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 Butanal, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	18.15 ug/l	142932	1,4-Difluorobenzene	8.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-			86	C5H10O	000590-86-3	95
2	Butanal			72	C4H8O	000123-72-8	38
3	Pentanal			86	C5H10O	000110-62-3	37
4	Allyl ethyl ether			86	C5H10O	000557-31-3	25
5	Ethanol, 2-(2-propenyloxy)-			102	C5H10O2	000111-45-5	23



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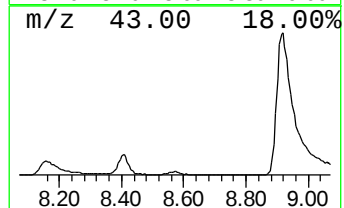
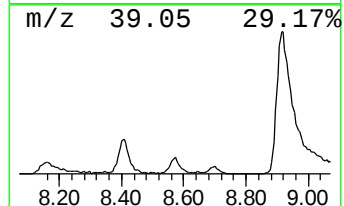
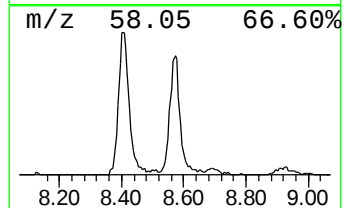
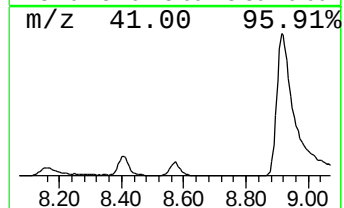
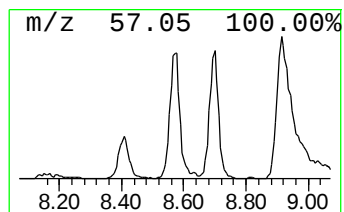
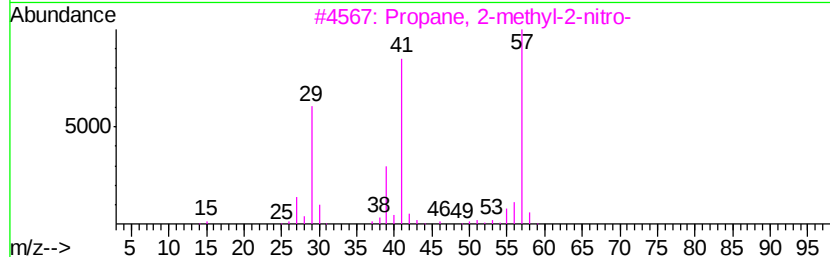
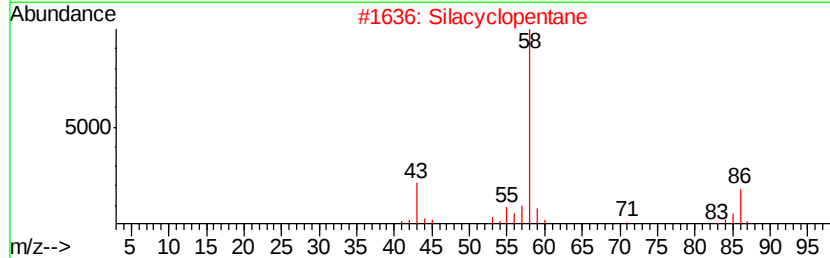
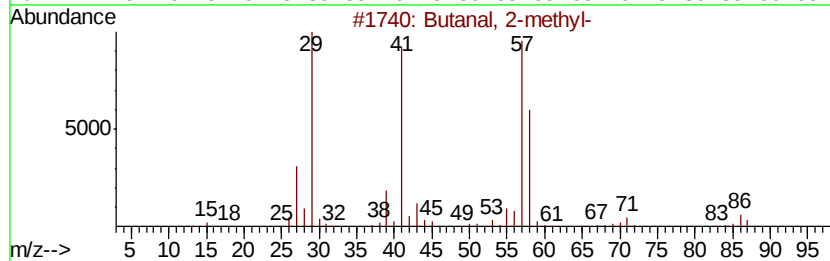
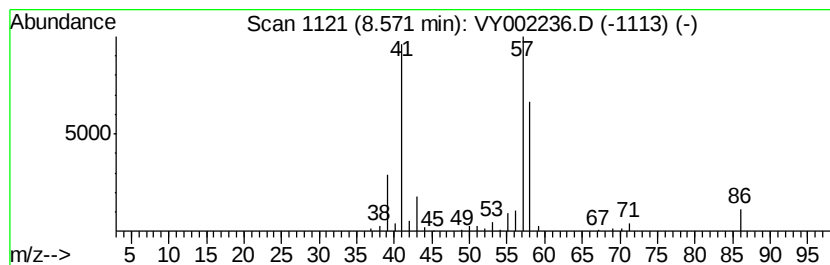
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Butanal, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	8.98 ug/l	70741	1,4-Difluorobenzene	8.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal, 2-methyl-	86	C5H10O	000096-17-3	90
2		Silacyclopentane	86	C4H10Si	000288-06-2	43
3		Propane, 2-methyl-2-nitro-	103	C4H9NO2	000594-70-7	38
4		Pentanal, 2,3-dimethyl-	114	C7H14O	032749-94-3	37
5		Oxirane, [(2-propenyloxy)methyl]-	114	C6H10O2	000106-92-3	28



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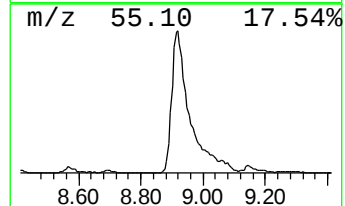
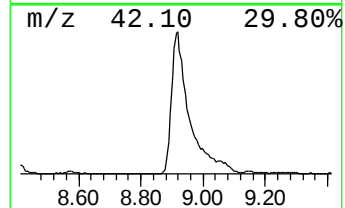
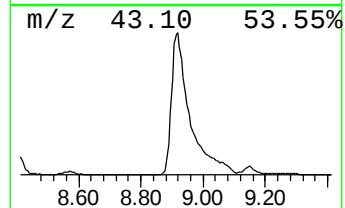
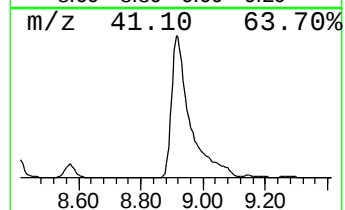
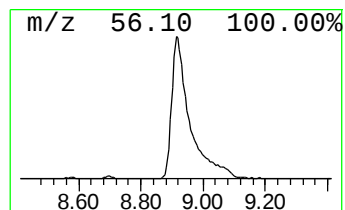
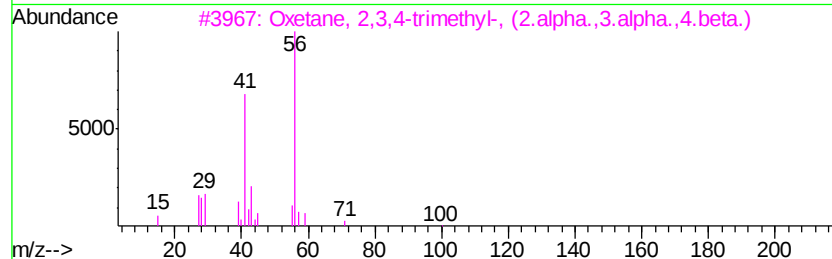
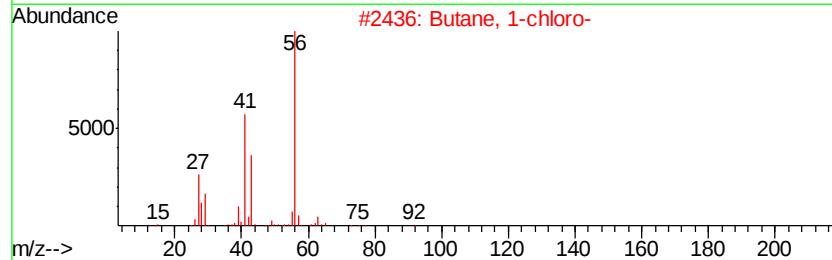
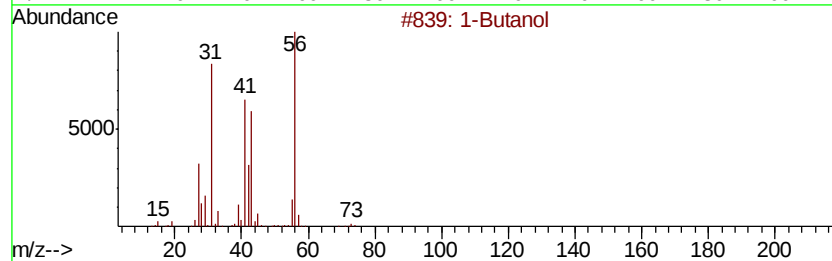
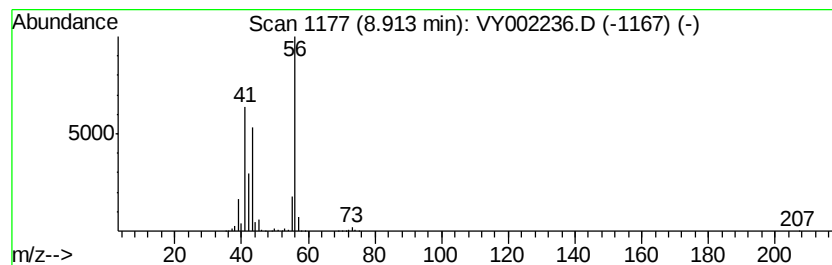
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Quant Title : SW846 8260

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

Peak Number 7 1-Butanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	212.51 ug/l	1673530	1,4-Difluorobenzene	8.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Butanol	74	C4H10O	000071-36-3	91
2		Butane, 1-chloro-	92	C4H9Cl	000109-69-3	45
3		Oxetane, 2,3,4-trimethyl-, (2.alpha....	100	C6H12O	032347-12-9	38
4		Oxetane, 3,3-dimethyl-	86	C5H10O	006921-35-3	36
5		3-Butenoic acid, 2-amino-	101	C4H7NO2	056512-51-7	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002236.D
Acq On : 06 Apr 2020 14:54
Operator : SY/MD
Sample : L2169-01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
96ST-1

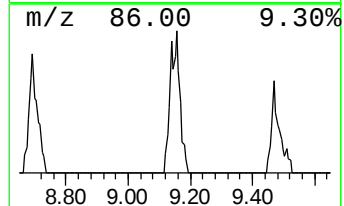
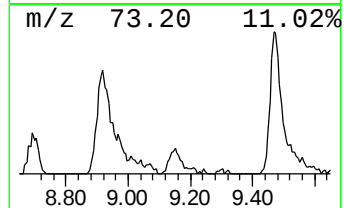
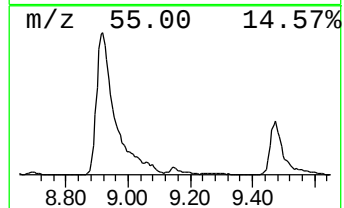
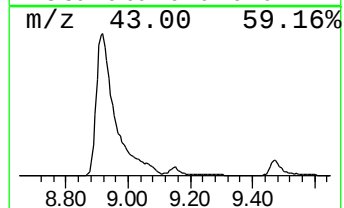
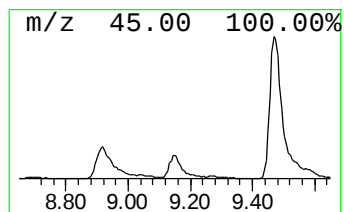
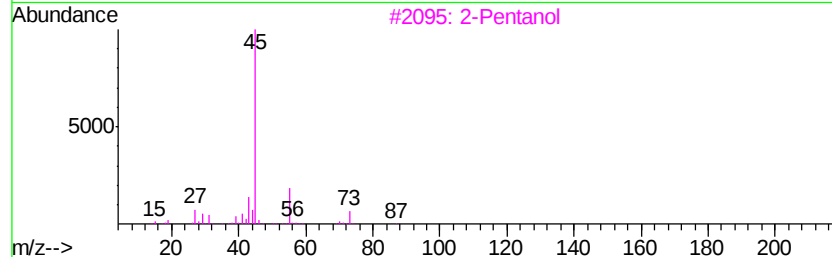
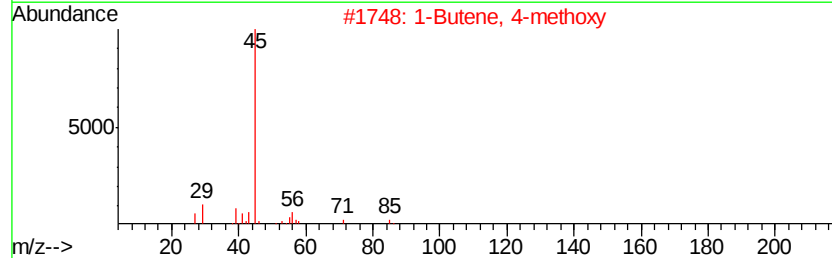
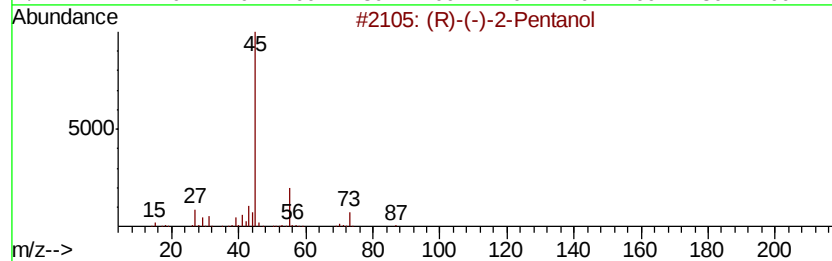
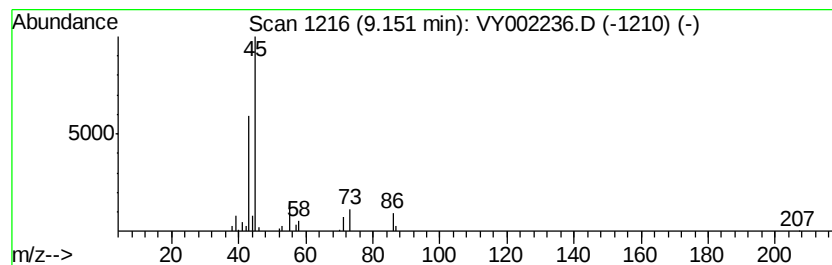
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Quant Title : SW846 8260

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

Peak Number 8 unknown9.15 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	6.40 ug/l	50412	1,4-Difluorobenzene	8.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(R)-(-)-2-Pentanol	88	C5H12O	031087-44-2	45
2		1-Butene, 4-methoxy	86	C5H10O	004696-30-4	42
3		2-Pentanol	88	C5H12O	006032-29-7	42
4		2-Pentanone	86	C5H10O	000107-87-9	9
5		2-Butanol, (R)-	74	C4H10O	014898-79-4	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002236.D
Acq On : 06 Apr 2020 14:54
Operator : SY/MD
Sample : L2169-01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
96ST-1

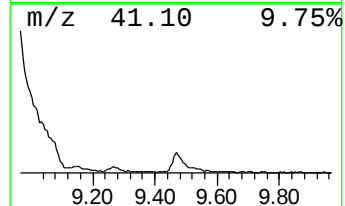
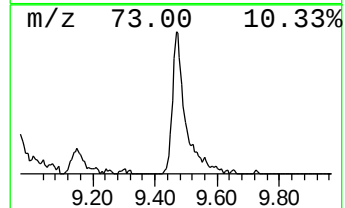
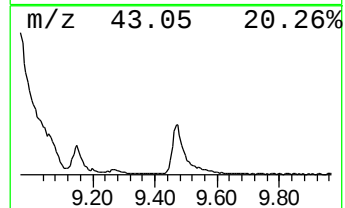
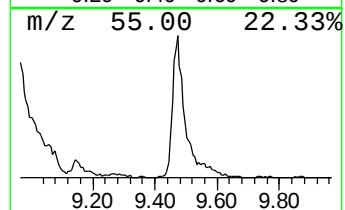
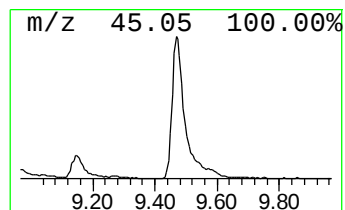
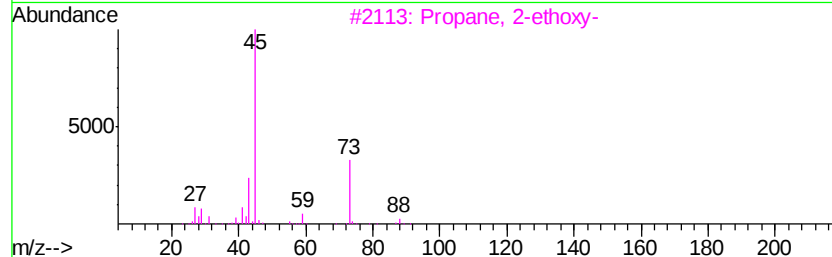
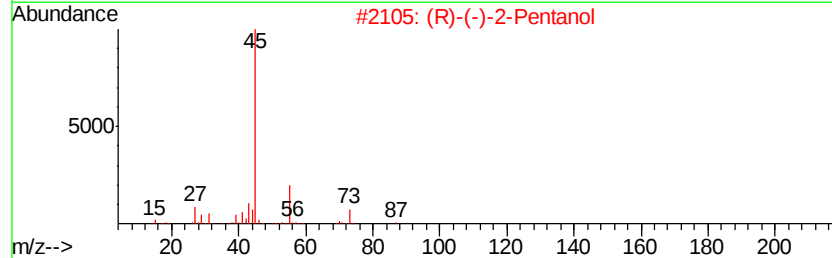
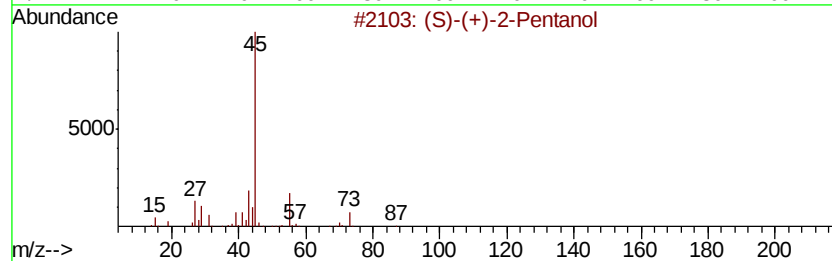
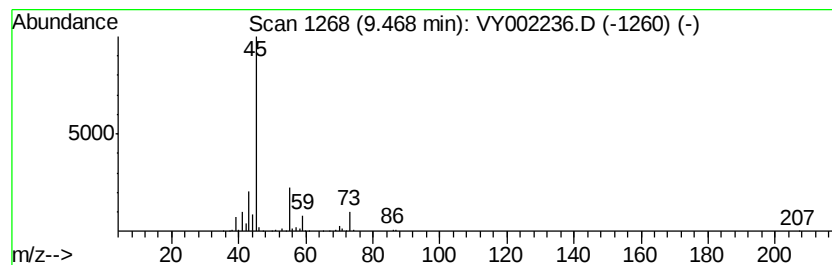
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Quant Title : SW846 8260

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

Peak Number 9 (S)-(+)-2-Pentanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	29.01 ug/l	228469	1,4-Difluorobenzene	8.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(S)-(+)-2-Pentanol	88	C5H12O	026184-62-3	78
2		(R)-(-)-2-Pentanol	88	C5H12O	031087-44-2	78
3		Propane, 2-ethoxy-	88	C5H12O	000625-54-7	78
4		2-Pentanol	88	C5H12O	006032-29-7	78
5		2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002236.D
Acq On : 06 Apr 2020 14:54
Operator : SY/MD
Sample : L2169-01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
96ST-1

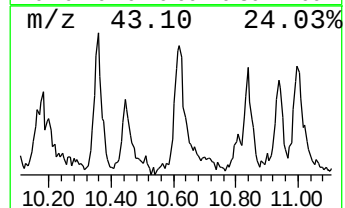
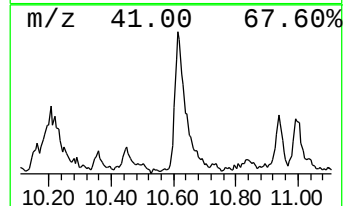
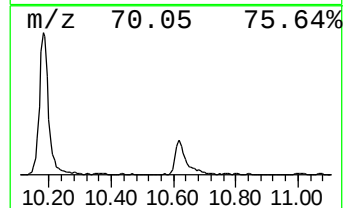
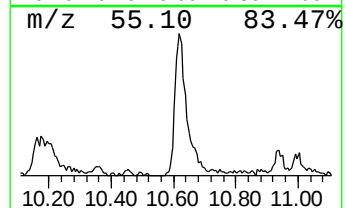
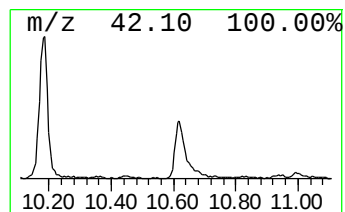
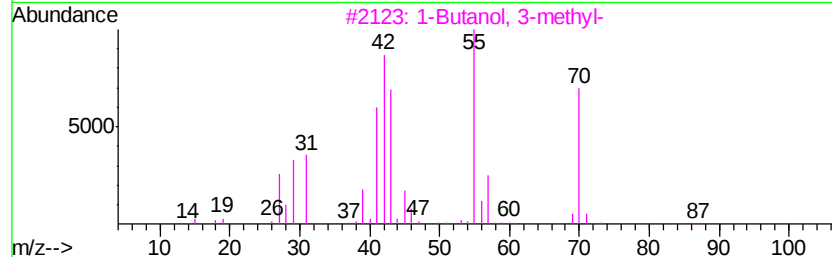
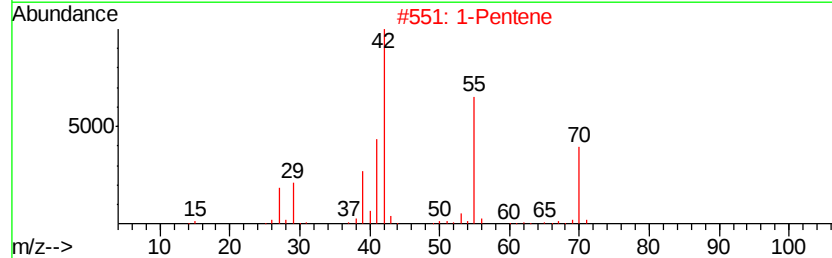
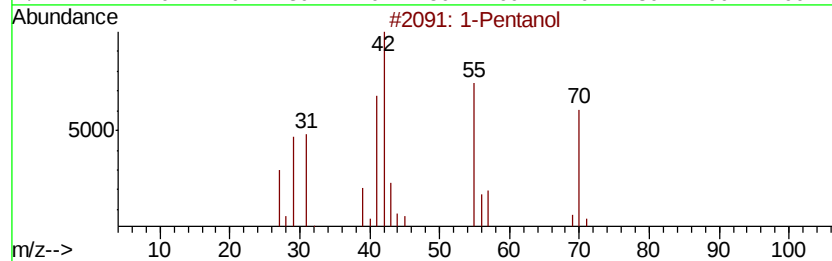
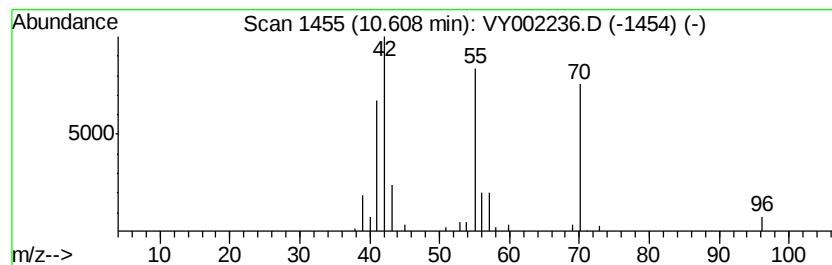
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Quant Title : SW846 8260

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

Peak Number 11 1-Pentanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	7.16 ug/l	51254	Chlorobenzene-d5	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Pentanol	88	C5H12O	000071-41-0	78
2			1-Pentene	70	C5H10	000109-67-1	64
3			1-Butanol, 3-methyl-	88	C5H12O	000123-51-3	50
4			Carbonochloridic acid, pentyl ester	150	C6H11ClO2	000638-41-5	39
5			Cyclopropanecarboxaldehyde	70	C4H6O	001489-69-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002236.D
Acq On : 06 Apr 2020 14:54
Operator : SY/MD
Sample : L2169-01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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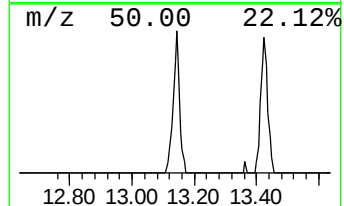
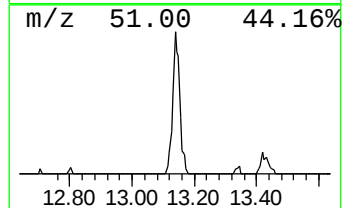
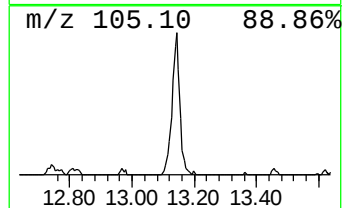
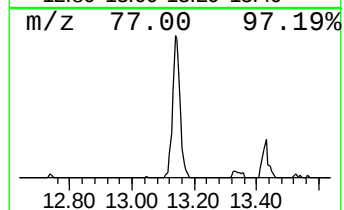
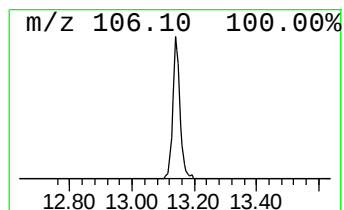
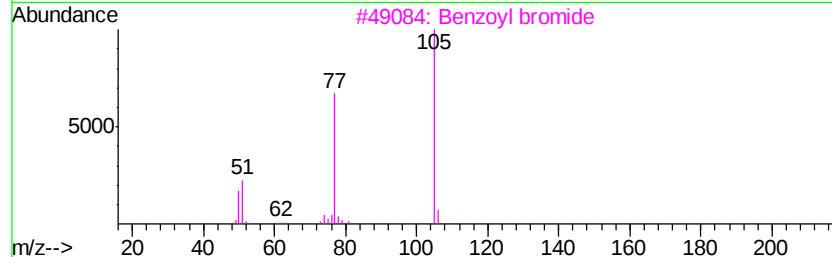
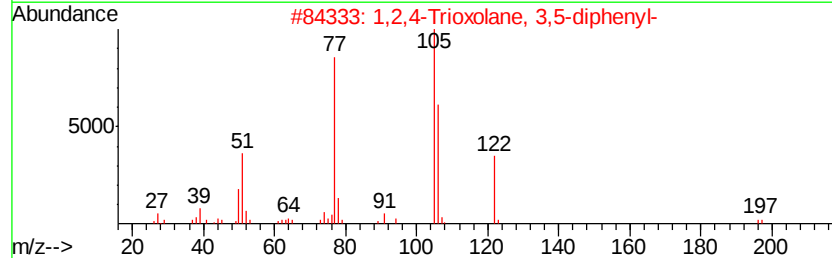
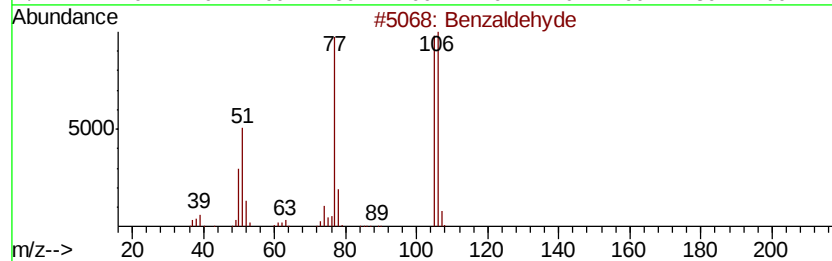
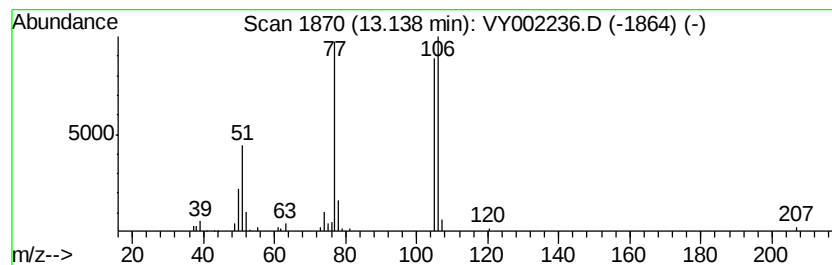
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Quant Title : SW846 8260

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

Peak Number 12 Benzaldehyde Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	11.22 ug/l	33098	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehyde	106	C7H6O	000100-52-7	96
2		1,2,4-Trioxolane, 3,5-diphenyl-	228	C14H12O3	023888-15-5	64
3		Benzoyl bromide	184	C7H5BrO	000618-32-6	52
4		Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	50
5		Benzoyl chloride	140	C7H5ClO	000098-88-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002236.D
Acq On : 06 Apr 2020 14:54
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Sample : L2169-01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

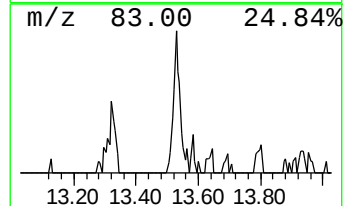
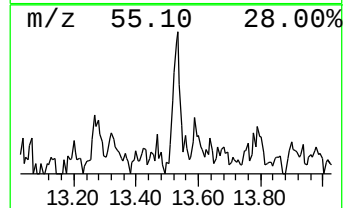
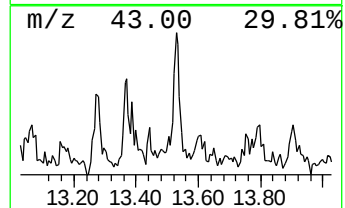
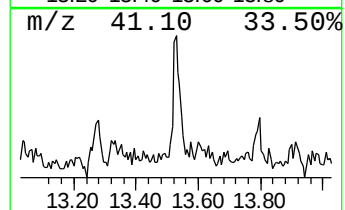
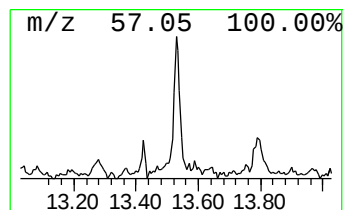
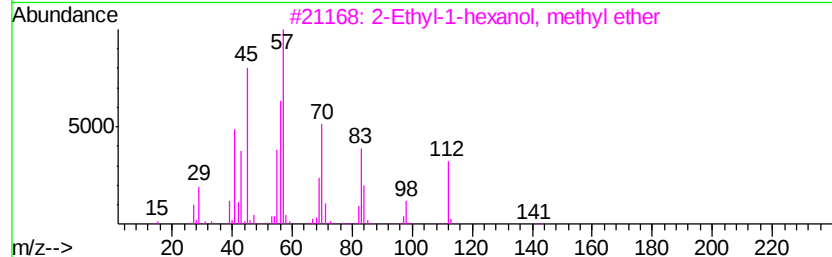
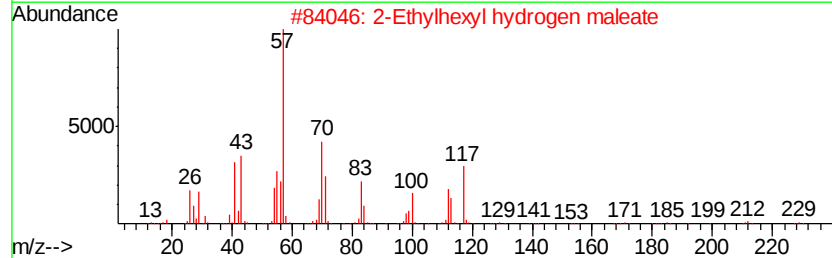
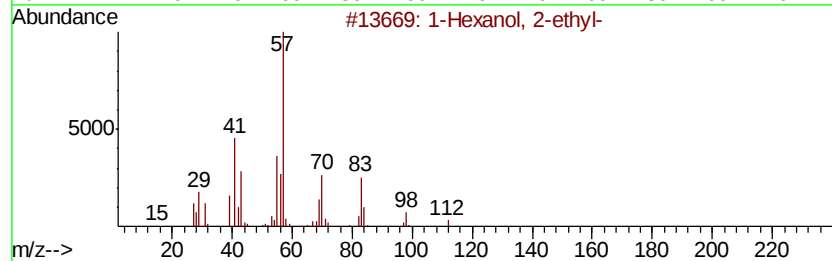
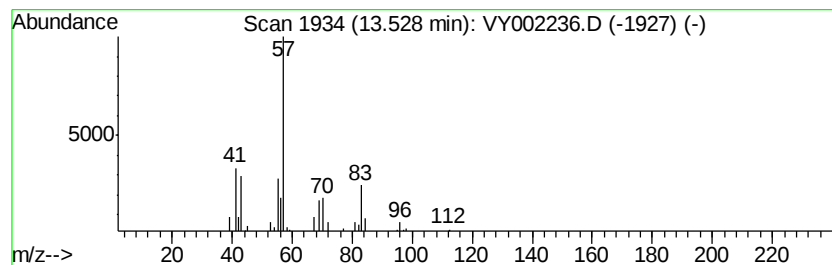
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260

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

Peak Number 13 1-Hexanol, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	6.39 ug/l	18846	1,4-Dichlorobenzene-d4	13.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Hexanol, 2-ethyl-	130 C8H18O	000104-76-7	59
2	2-Ethylhexyl hydrogen maleate	228 C12H20O4	002370-71-0	47
3	2-Ethyl-1-hexanol, methyl ether	144 C9H20O	1000365-10-2	40
4	Decane, 5,6-dipropyl-	226 C16H34	119209-20-0	40
5	2-Propyl-1-pentanol	130 C8H18O	058175-57-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002236.D
Acq On : 06 Apr 2020 14:54
Operator : SY/MD
Sample : L2169-01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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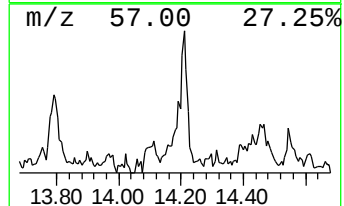
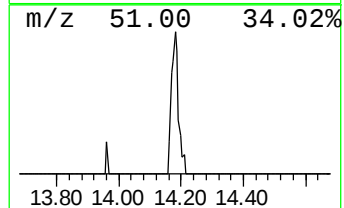
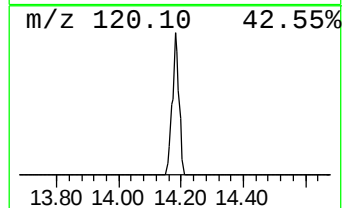
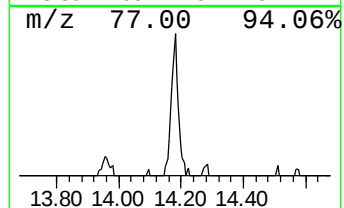
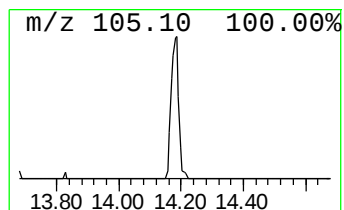
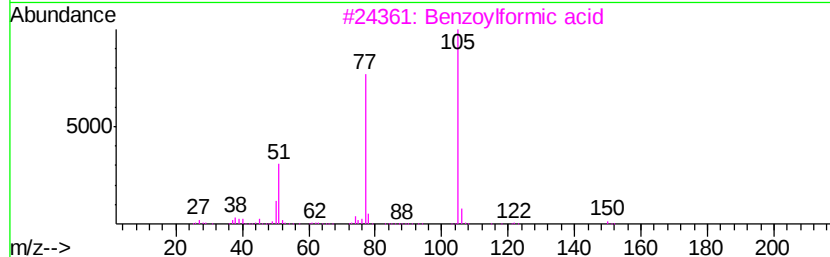
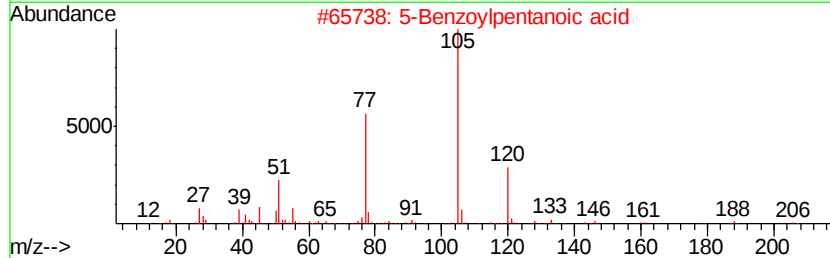
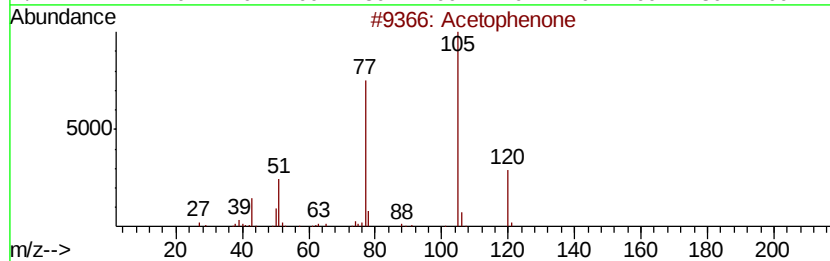
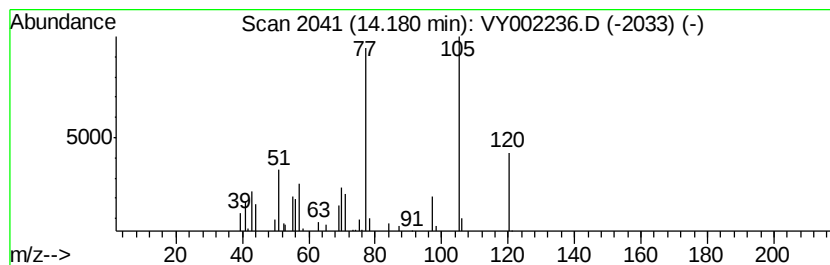
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Quant Title : SW846 8260

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

Peak Number 14 Acetophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	5.83 ug/l	17185	1,4-Dichlorobenzene-d4	13.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetophenone	120	C8H8O	000098-86-2	64
2			5-Benzoylpentanoic acid	206	C12H14O3	004144-62-1	47
3			Benzoylformic acid	150	C8H6O3	000611-73-4	38
4			Benzenecarbothioic acid	138	C7H6OS	000098-91-9	38
5			4-Chlorophenyl benzoate	232	C13H9ClO2	002005-08-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002236.D
Acq On : 06 Apr 2020 14:54
Operator : SY/MD
Sample : L2169-01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
96ST-1

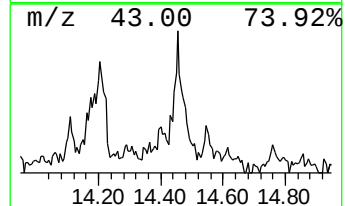
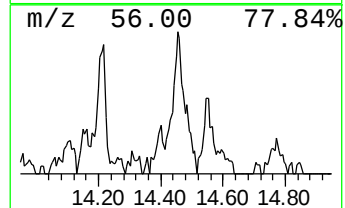
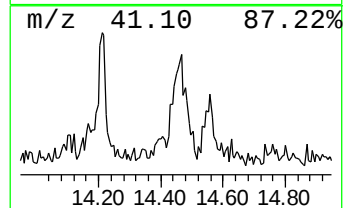
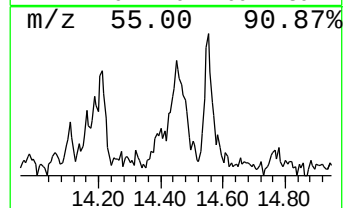
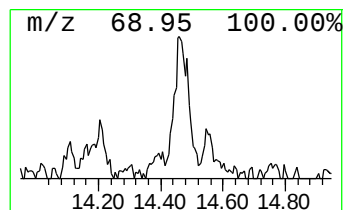
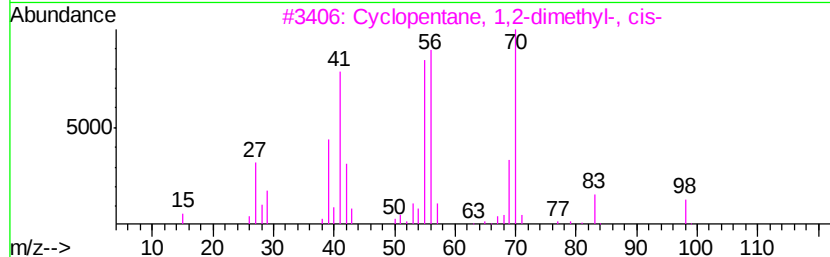
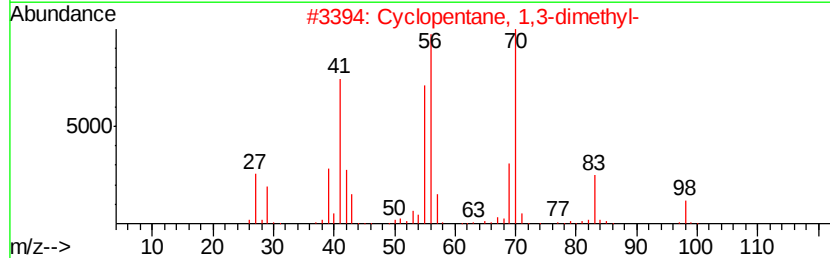
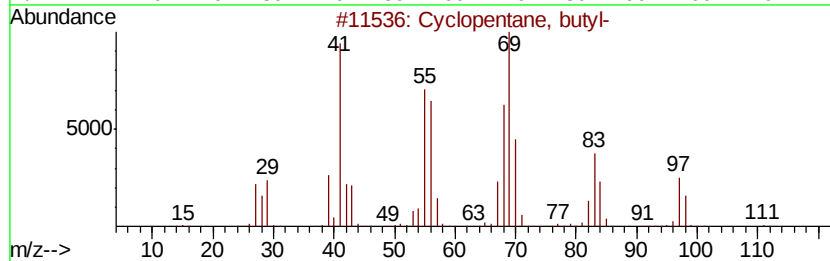
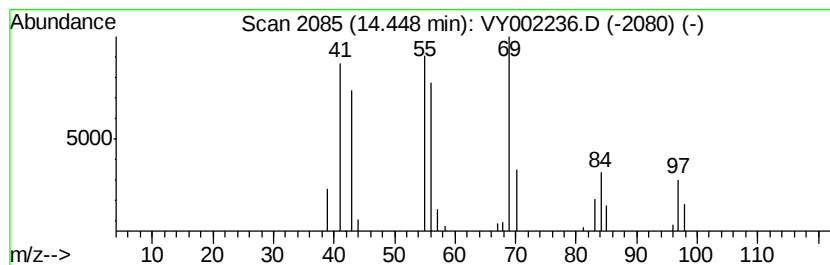
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Quant Title : SW846 8260

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

Peak Number 15 Cyclopentane, butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	8.64 ug/l	25464	1,4-Dichlorobenzene-d4	13.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, butyl-	126	C9H18	002040-95-1	56
2			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	38
3			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	38
4			1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	38
5			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY040620\
 Data File : VY002236.D
 Acq On : 06 Apr 2020 14:54
 Operator : SY/MD
 Sample : L2169-01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 96ST-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.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
Acetaldehyde	2.40	12.3	ug/l	69870	1	7.80	283180	50.0
Propanal, 2-methyl-	5.60	17.4	ug/l	98657	1	7.80	283180	50.0
Butanal	6.72	30.2	ug/l	170938	1	7.80	283180	50.0
Butanal, 3-methyl-	8.41	18.1	ug/l	142932	2	8.70	393764	50.0
Butanal, 2-methyl-	8.57	9.0	ug/l	70741	2	8.70	393764	50.0
1-Butanol	8.91	212.5	ug/l	1673530	2	8.70	393764	50.0
unknown9.15	9.15	6.4	ug/l	50412	2	8.70	393764	50.0
(S)-(+)-2-Pentanol	9.47	29.0	ug/l	228469	2	8.70	393764	50.0
1-Pentanol	10.61	7.2	ug/l	51254	3	11.49	357748	50.0
Benzaldehyde	13.14	11.2	ug/l	33098	4	13.43	147438	50.0
1-Hexanol, 2-ethyl-	13.53	6.4	ug/l	18846	4	13.43	147438	50.0
Acetophenone	14.18	5.8	ug/l	17185	4	13.43	147438	50.0
Cyclopentane, butyl-	14.45	8.6	ug/l	25464	4	13.43	147438	50.0