LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\Method\SFAMUTR011822WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU047031.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.427	19	27	49	rBV	406033	440786	23.40%	3.797%
2	1.549	59	65	67	rBV	39101	37919	2.01%	0.327%
3	1.562	67	69	76	rVB	35883	29218	1.55%	0.252%
4	1.665	93	101	112	rBV2	211088	361757	19.20%	3.116%
5	1.813	135	147	160	rBV4	35313	55130	2.93%	0.475%
6	1.990	193	202	218	rVV2	45473	66433	3.53%	0.572%
7	2.070	220	227	236	rVB	13657	18906	1.00%	0.163%
8	2.234	267	278	286	rBV	38504	54719	2.90%	0.471%
9	2.285	286	294	307	rVV3	28056	51005	2.71%	0.439%
10	2.498	350	360	372	rVB3	17140	29927	1.59%	0.258%
11	2.658	396	410	426	rBV5	142424	286717	15.22%	2.470%
12	3.970	799	818	839	rVB	107669	257330	13.66%	2.216%
13	4.562	993	1002	1018	rVB3	7993	21865	1.16%	0.188%
14	4.752	1044	1061	1111	rVB3	108749	382322	20.29%	3.293%
15	5.163	1172	1189	1215	rVB2	84266	237820	12.62%	2.048%
16	5.417	1254	1268	1284	rVB3	10545	23366	1.24%	0.201%
17	5.819	1373	1393	1407	rBV2	159597	377317	20.03%	3.250%
18	6.327	1536	1551	1572	rVB	130599	243105	12.90%	2.094%
19	6.610	1624	1639	1653	rBV2	75141	146832	7.79%	1.265%
20	6.758	1671	1685	1706	rBV2	95715	188294	9.99%	1.622%
21	6.944	1728	1743	1778	rBV	69565	153069	8.13%	1.318%
22	7.610	1937	1950	1967	rVB	42508	72557	3.85%	0.625%
23	7.938	2037	2052	2066	rBV	149612	269260	14.29%	2.319%
24	8.214	2126	2138	2150	rBV3	26730	43445	2.31%	0.374%
25	8.581	2240	2252	2265	rBV2	167442	280496	14.89%	2.416%
26	8.668	2266	2279	2310	rVV	195184	406975	21.60%	3.505%
27	8.812	2310	2324	2361	rVB	657411	1162926	61.73%	10.016%
28	9.436	2506	2518	2539	rVB	203927	346358	18.39%	2.983%
29	10.356	2790	2804	2829	rBV2	221012	388875	20.64%	3.349%
30	10.767	2918	2932	2947	rVB	75636	124566	6.61%	1.073%
31	11.263	3075	3086	3093	rBV2	37457	58954	3.13%	0.508%
32	11.301	3093	3098	3106	rVB4	14758	22293	1.18%	0.192%
33	11.693	3207	3220	3235	rBV	540606	804755	42.72%	6.931%
34	11.819	3247	3259	3273	rVB	266053	433353	23.00%	3.733%
35	12.066	3322	3336	3353	rBV6	15502	46041	2.44%	0.397%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\Method\SFAMUTR011822WMA.M
Title : TRACE VOA SFAM1.0

36	12.198	3365	3377	3389	rBV	168161	274216	14.56%	2.362%
37	12.545	3473	3485	3501	rBV3	57695	119327	6.33%	1.028%
38	12.889	3578	3592	3624	rBV	1328360	1883893	100.00%	16.226%
39	13.684	3831	3839	3851	rVB4	29982	47444	2.52%	0.409%
40	13.883	3893	3901	3917	rVB4	10597	23350	1.24%	0.201%
41	13.983	3924	3932	3943	rVB6	15025	24726	1.31%	0.213%
42	14.192	3984	3997	4010	rBV3	11270	25804	1.37%	0.222%
43	14.452	4069	4078	4087	rBV3	28210	39234	2.08%	0.338%
44	14.735	4153	4166	4183	rBV	380708	582810	30.94%	5.020%
45	15.127	4281	4288	4303	rVB5	14557	30707	1.63%	0.264%
46	15.211	4306	4314	4326	rBV2	24459	35730	1.90%	0.308%
47	15.368	4352	4363	4368	rBV	71541	112809	5.99%	0.972%
48	15.401	4368	4373	4383	rVB	72291	101053	5.36%	0.870%
49	15.709	4459	4469	4482	rBV2	92381	149037	7.91%	1.284%
50	15.976	4545	4552	4563	rBV2	25004	35079	1.86%	0.302%
51	16.294	4643	4651	4661	rVB	36127	50225	2.67%	0.433%
52	16.770	4789	4799	4810	rBV2	58637	92692	4.92%	0.798%
53	16.873	4823	4831	4848	rVB6	32555	57343	3.04%	0.494%

Sum of corrected areas: 11610170

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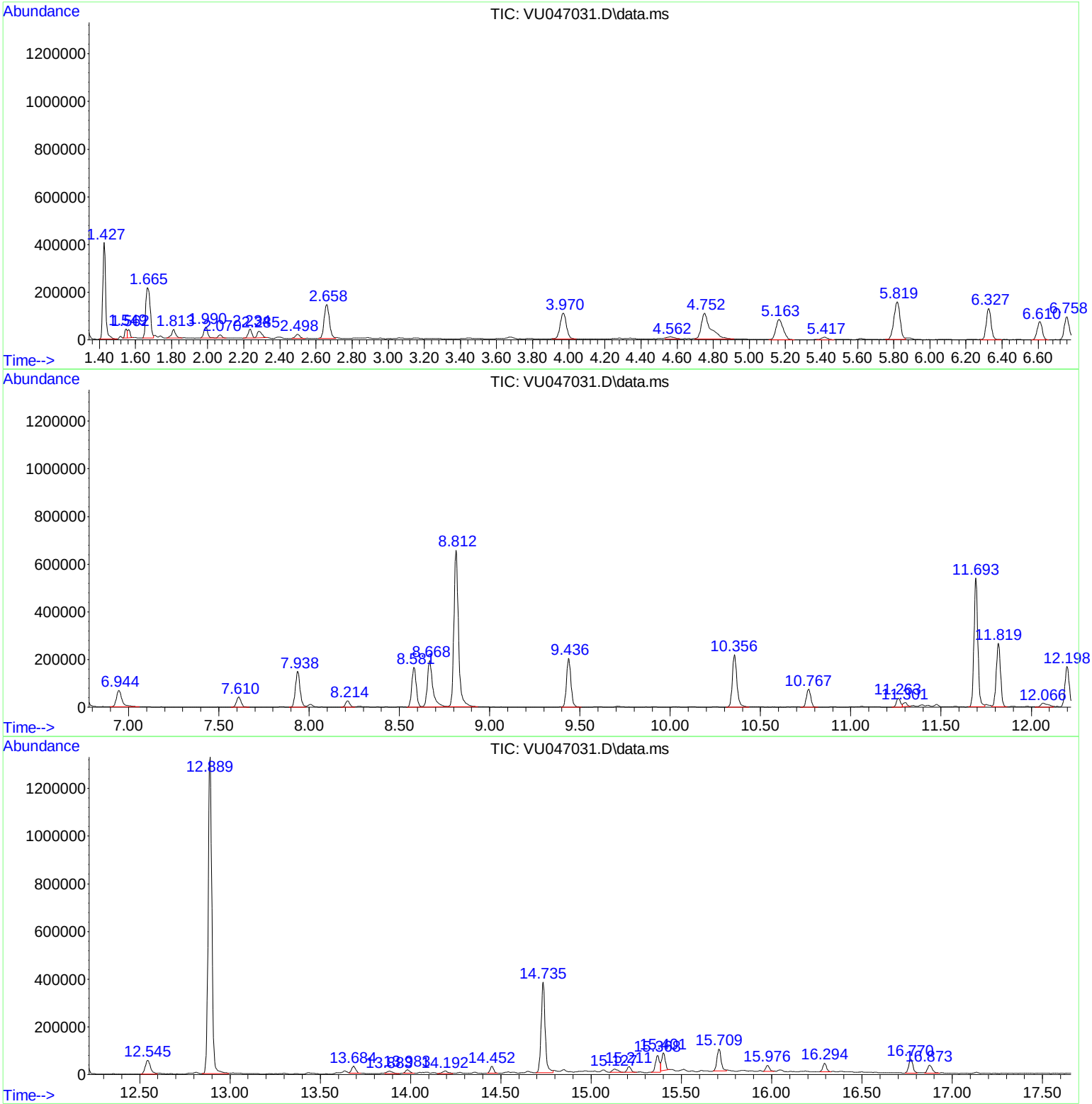
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

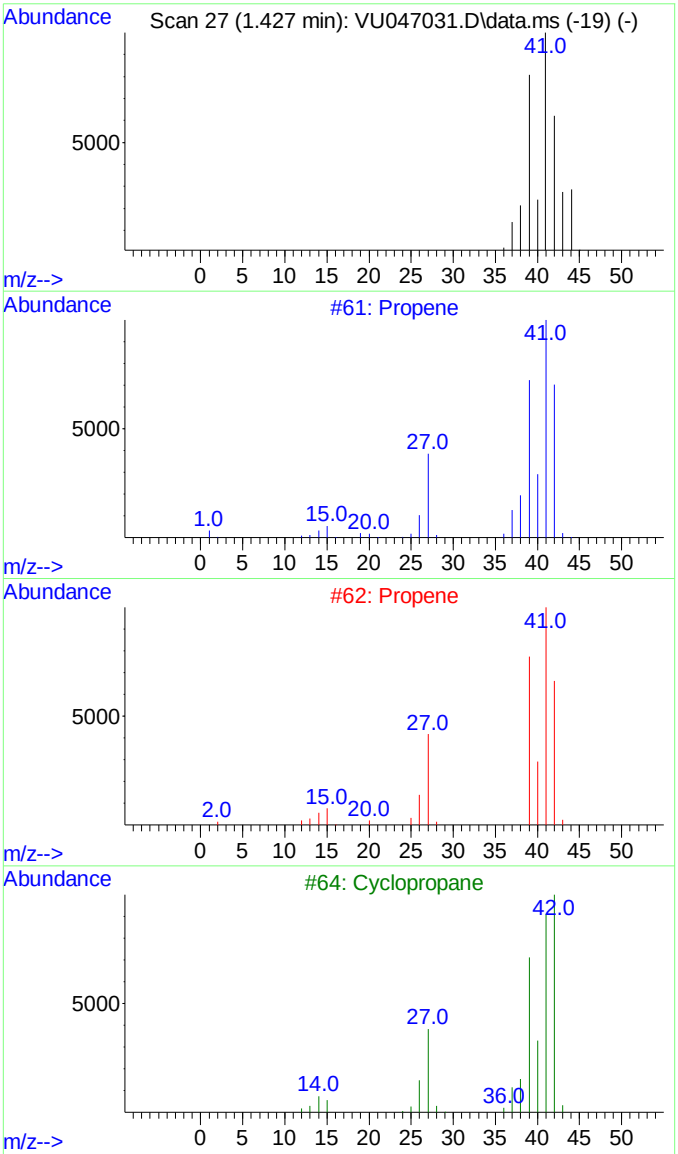
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

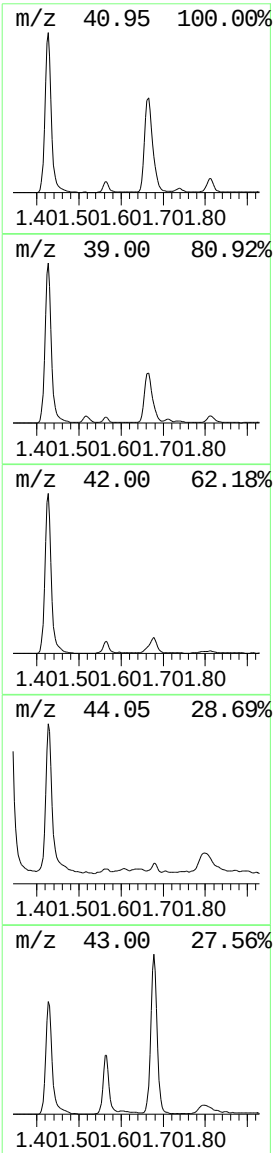
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.427	9.07 ug/L	440786	1,4-Difluorobenzene	6.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropene	40	C3H4	002781-85-3	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

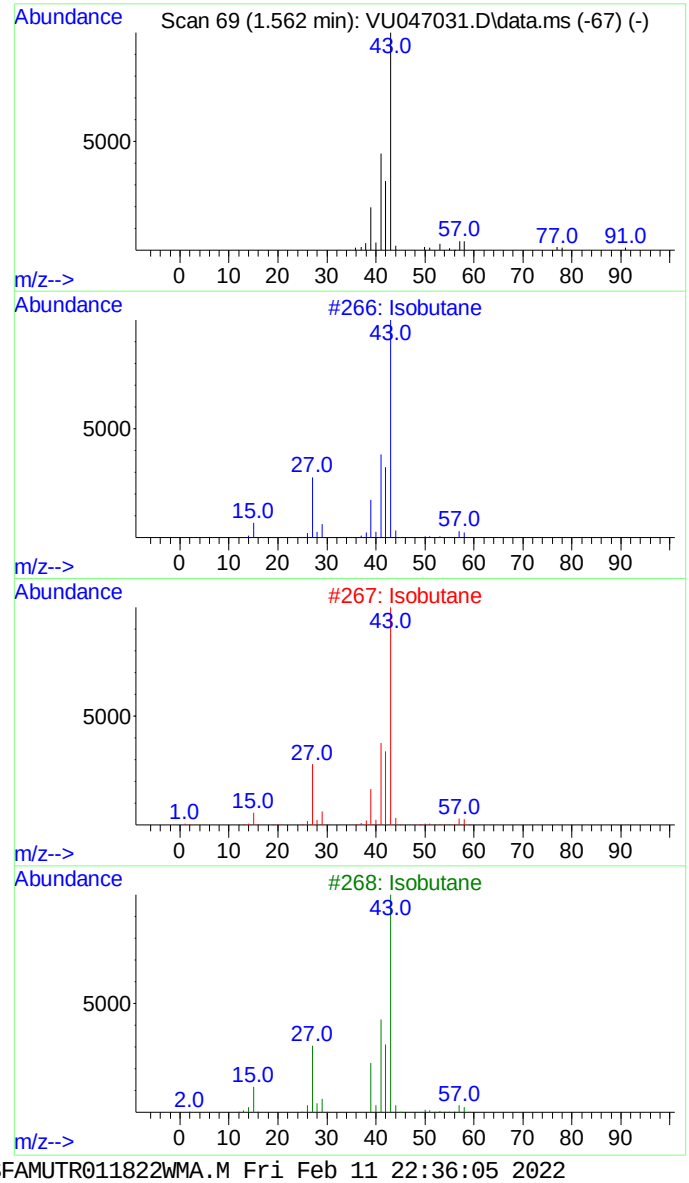
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

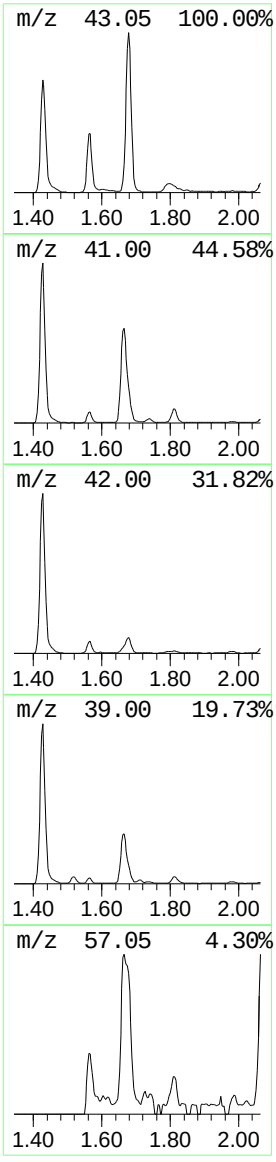
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.562	0.60 ug/L	29218	1,4-Difluorobenzene	6.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	50
4	Isobutane	58	C4H10	000075-28-5	25
5	Isobutane	58	C4H10	000075-28-5	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

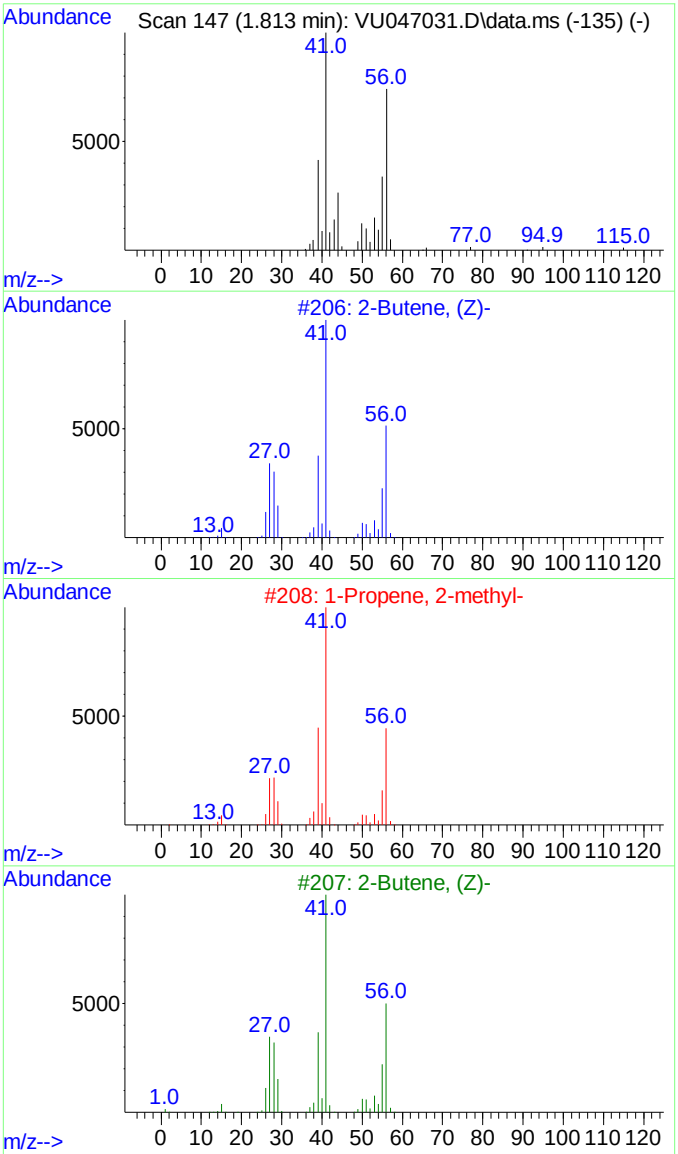
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

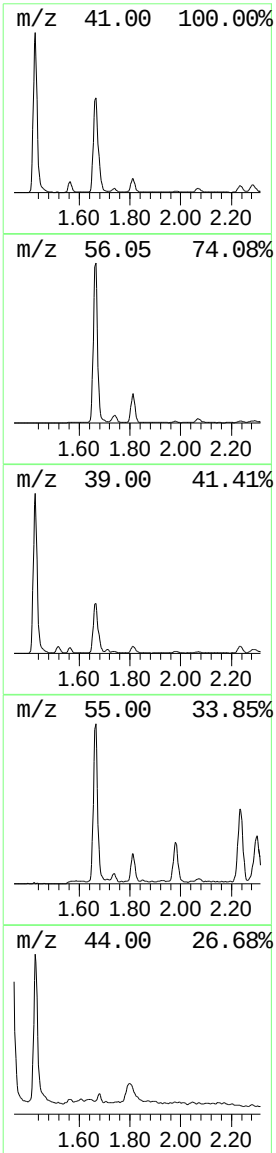
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.813	1.13 ug/L	55130	1,4-Difluorobenzene	6.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, (Z)-	56	C4H8	000590-18-1	68
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	64
3	2-Butene, (Z)-	56	C4H8	000590-18-1	64
4	1-Butene	56	C4H8	000106-98-9	64
5	2-Butene, (E)-	56	C4H8	000624-64-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

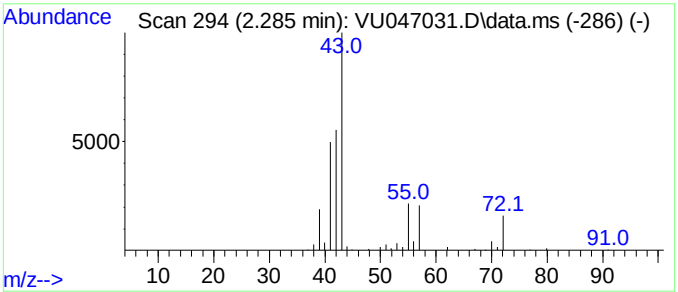
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

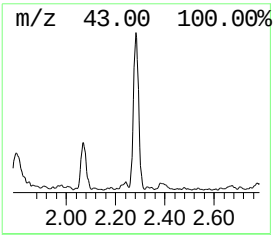
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

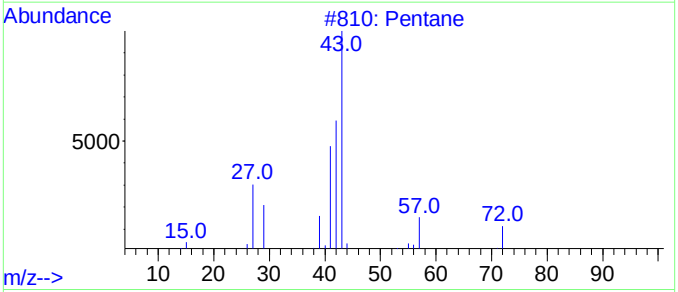
****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 15

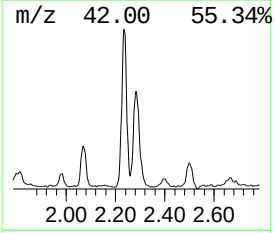
R.T.	EstConc	Area	Relative to ISTD	R.T.
2.285	1.05 ug/L	51005	1,4-Difluorobenzene	6.327

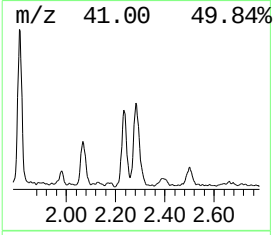
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	72
5	Pentane	72	C5H12	000109-66-0	72

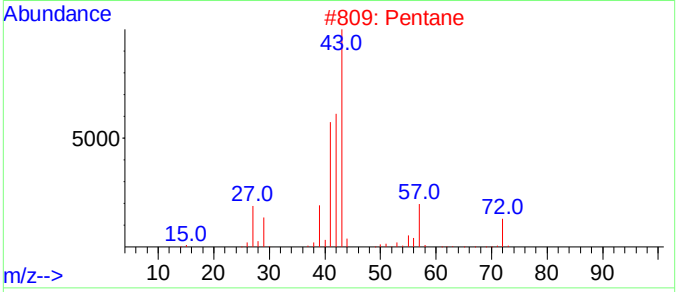


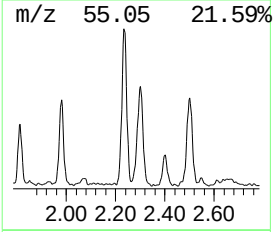


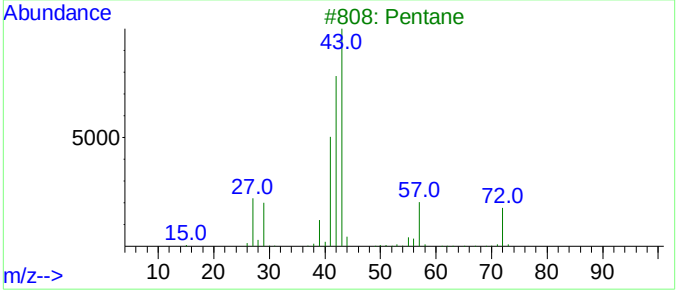


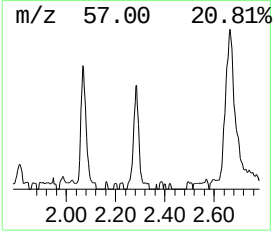












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Data File : VU047031.D
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

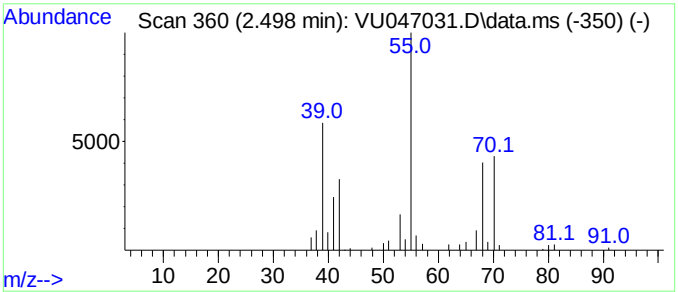
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

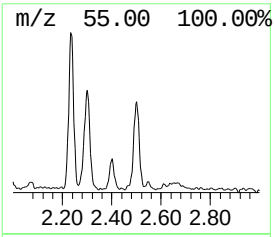
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

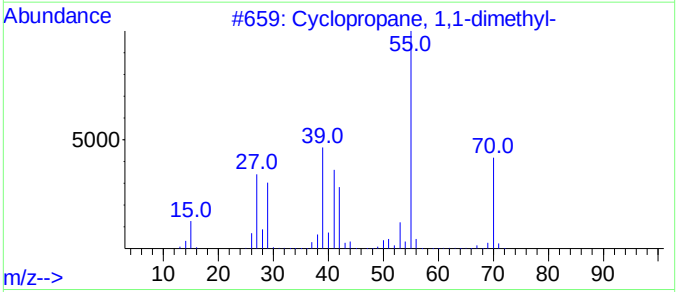
****
Peak Number 6 (DEL) Alkane: Cyclic2.498 Concentration Rank 19

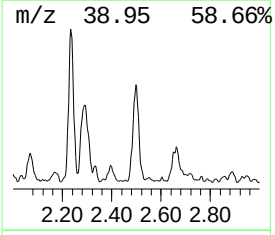
R.T.	EstConc	Area	Relative to ISTD	R.T.
2.498	0.62 ug/L	29927	1,4-Difluorobenzene	6.327

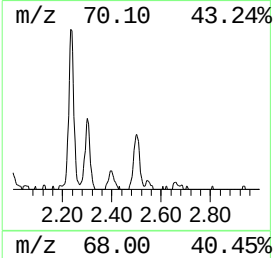
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	62
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	58
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	58
4	Furan	68	C4H4O	000110-00-9	43
5	2-Methyl-1-butene	70	C5H10	000563-46-2	43

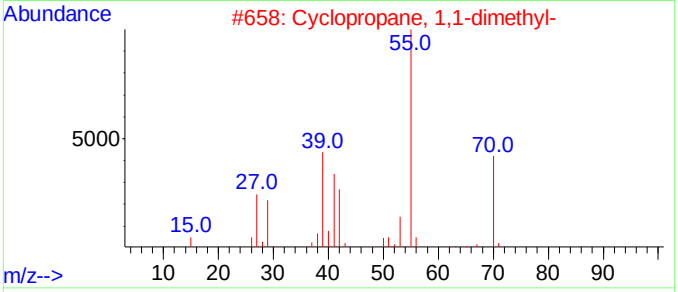


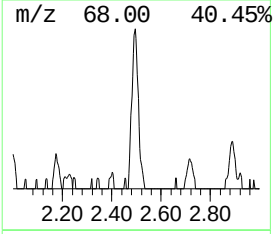


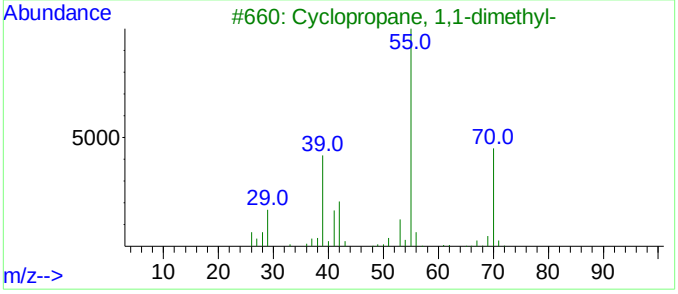


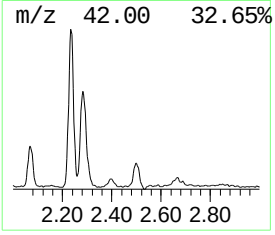












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Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

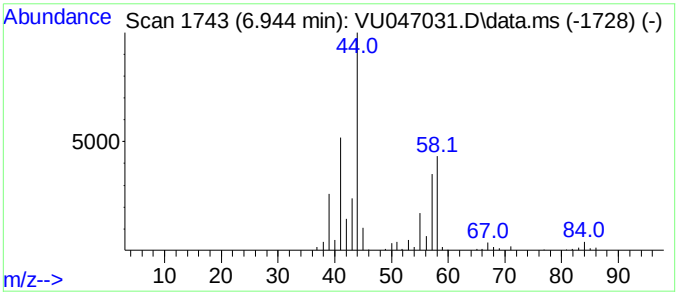
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

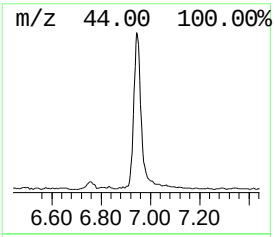
****

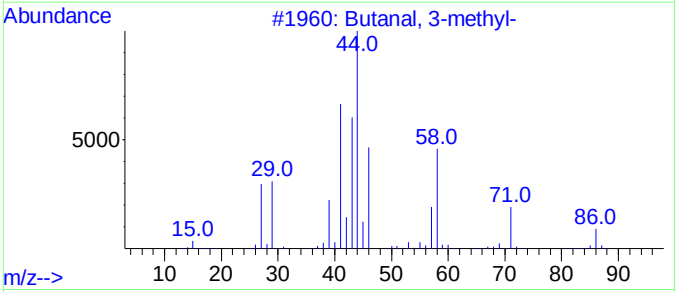
Peak Number 7 Butanal, 3-methyl- Concentration Rank 7

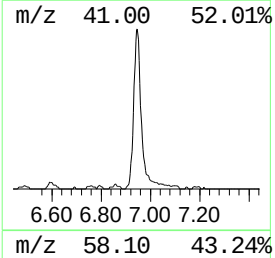
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.944	3.15 ug/L	153069	1,4-Difluorobenzene	6.327

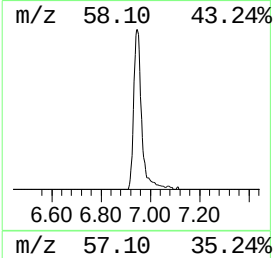
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	83
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	83
3	Pentanal	86	C5H10O	000110-62-3	72
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
5	Pentanal	86	C5H10O	000110-62-3	64

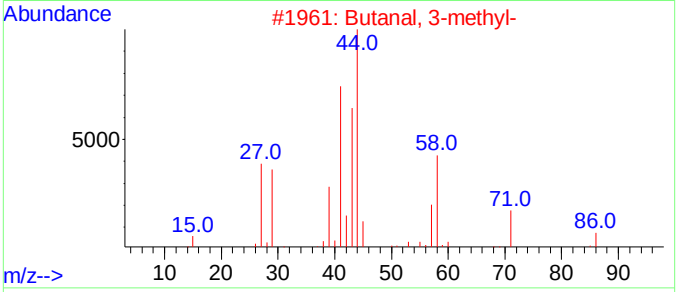


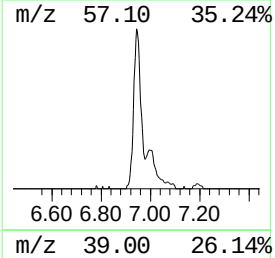


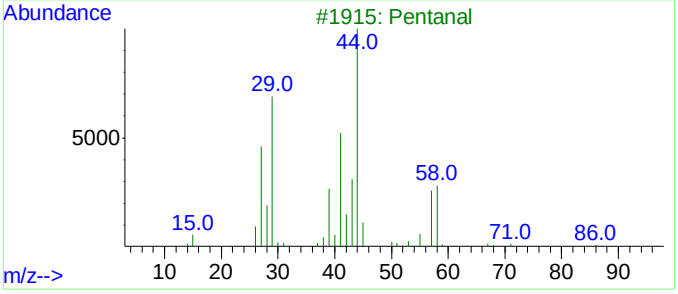


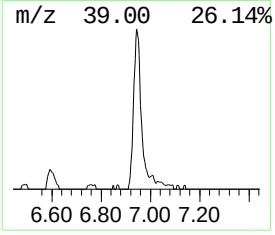












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Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

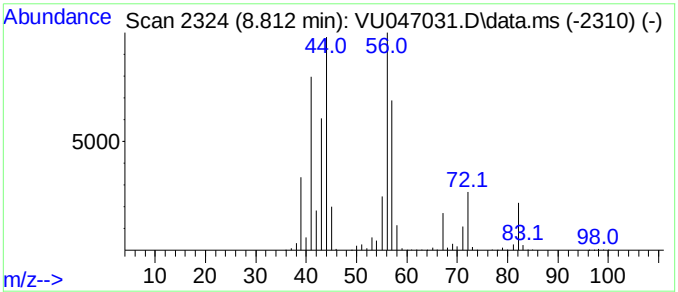
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

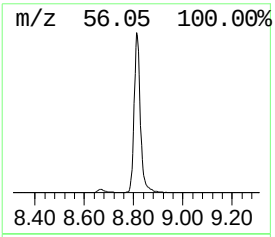
****

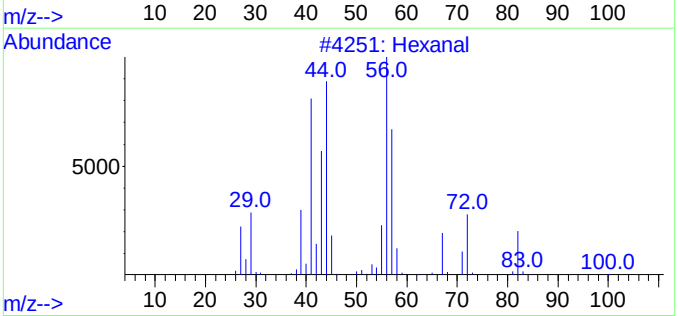
Peak Number 9 Hexanal Concentration Rank 2

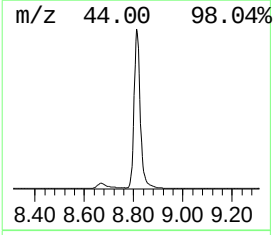
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.812	16.79 ug/L	1162930	Chlorobenzene-d5	9.436

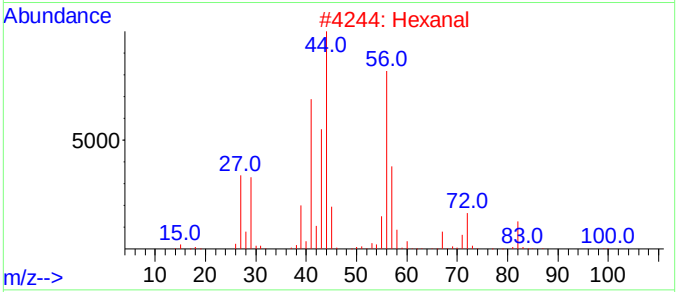
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	97
2	Hexanal	100	C6H12O	000066-25-1	91
3	Hexanal	100	C6H12O	000066-25-1	91
4	Hexanal	100	C6H12O	000066-25-1	90
5	Hexanal	100	C6H12O	000066-25-1	83

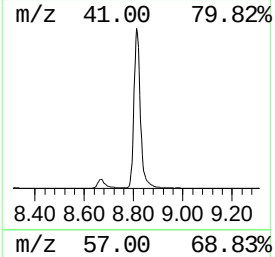


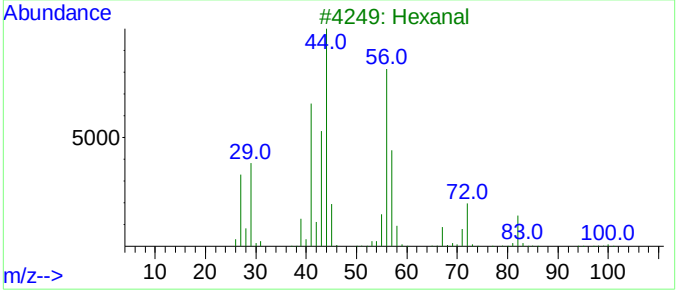


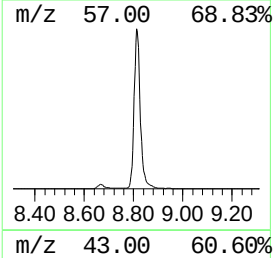


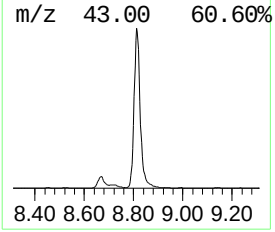












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

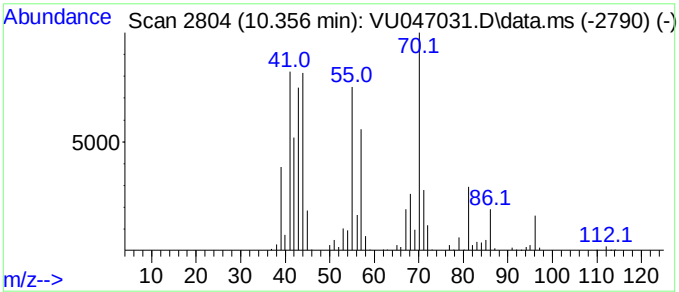
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

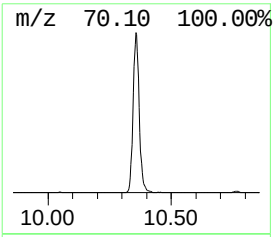
****

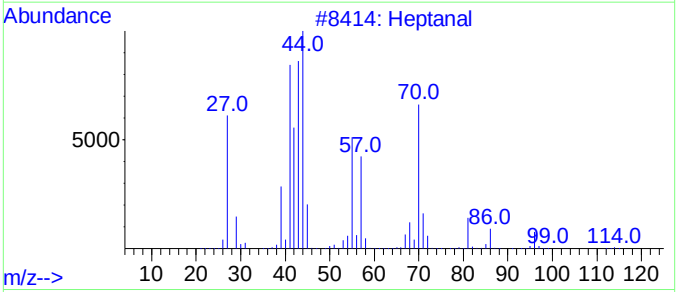
Peak Number 10 Heptanal Concentration Rank 6

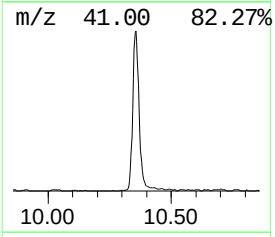
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.356	5.61 ug/L	388875	Chlorobenzene-d5	9.436

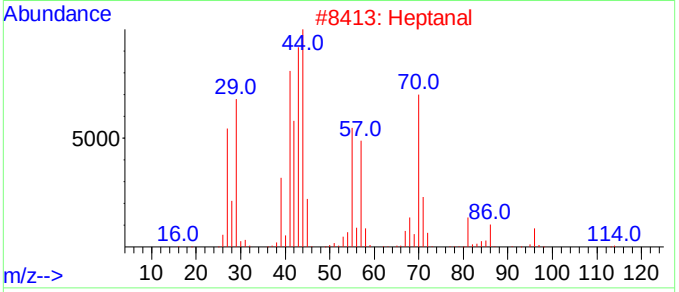
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	93
2	Heptanal	114	C7H14O	000111-71-7	87
3	Heptanal	114	C7H14O	000111-71-7	72
4	Heptanal	114	C7H14O	000111-71-7	52
5	Heptanal	114	C7H14O	000111-71-7	50

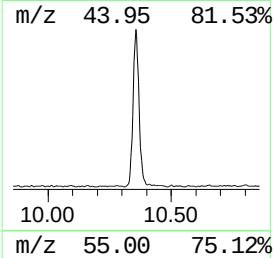


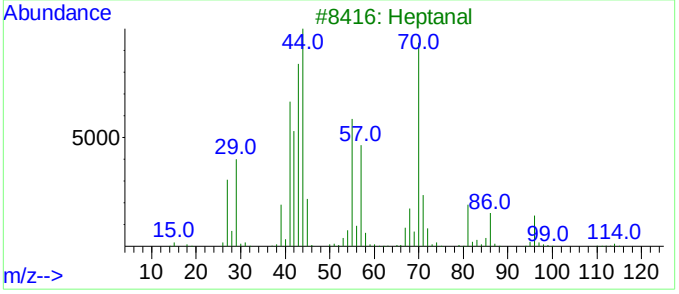


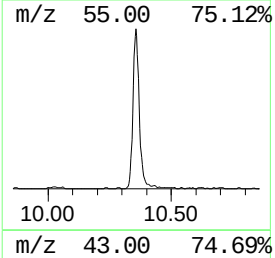


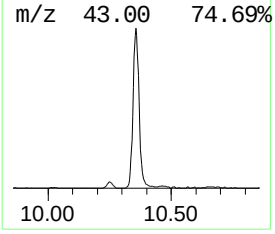












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

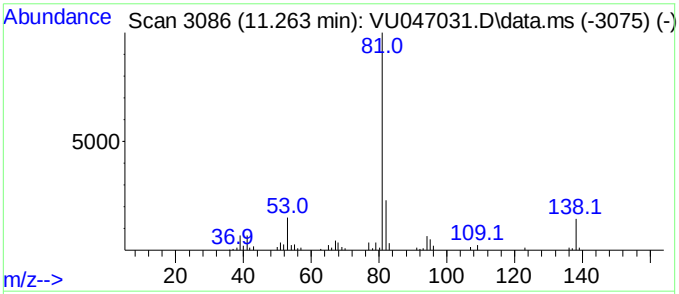
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

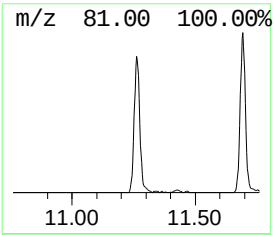
****

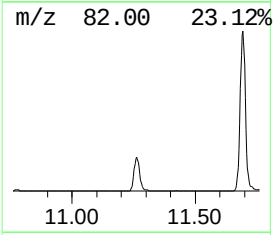
Peak Number 11 Furan, 2-pentyl- Concentration Rank 17

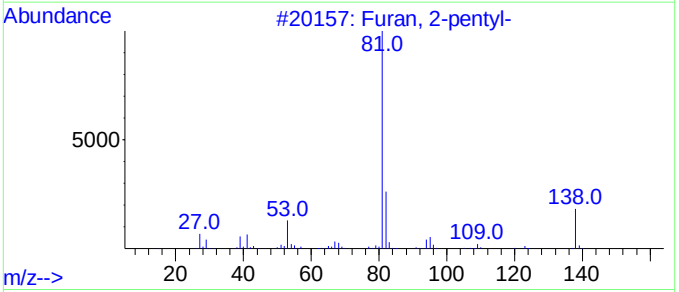
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.262	0.68 ug/L	58954	1,4-Dichlorobenzene-d4	11.819

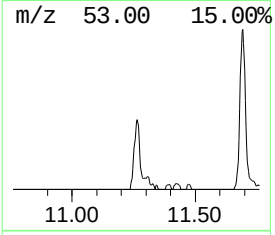
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-pentyl-	138	C9H14O	003777-69-3	91
2	2-[(2-Furylmethyl)amino]-2-methy...	169	C9H15NO2	889949-94-4	45
3	2,3-Diazabicyclo[2.2.1]hept-2-en...	124	C7H12N2	071312-54-4	42
4	Cyclohexene,3-butyl-	138	C10H18	003983-07-1	40
5	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	39

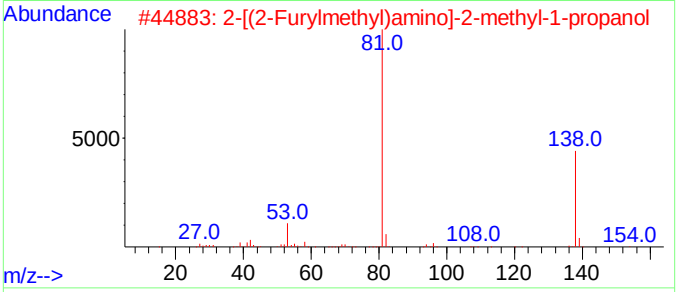


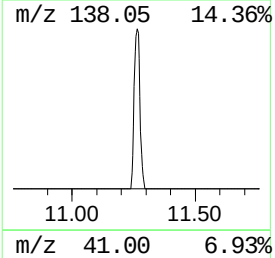


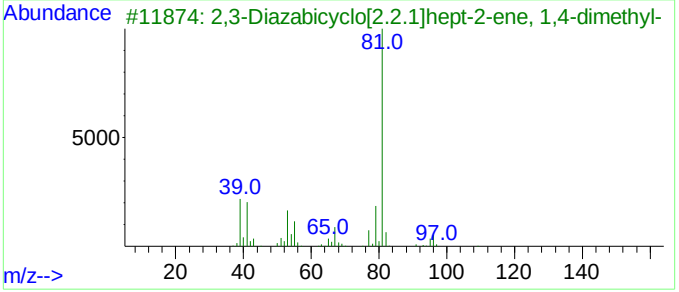


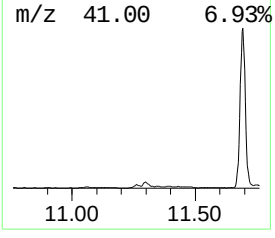












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

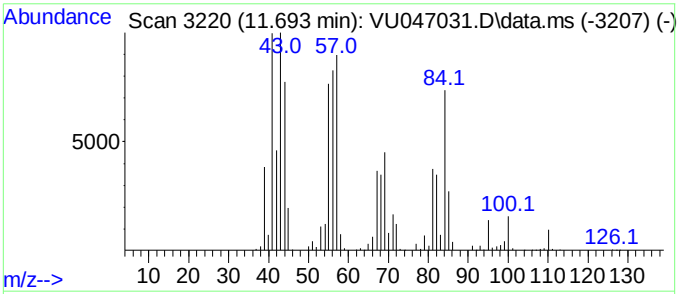
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

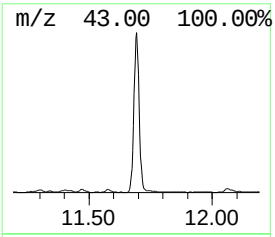
****

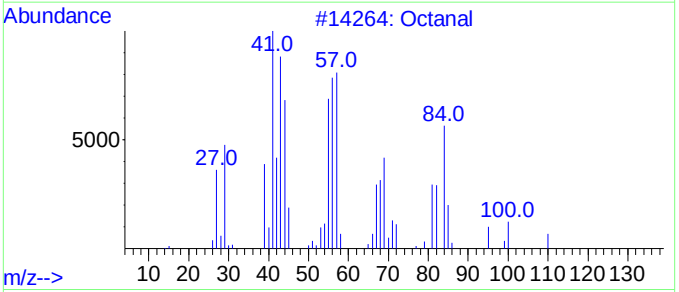
Peak Number 12 Octanal Concentration Rank 3

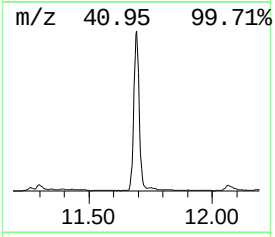
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.693	9.29 ug/L	804755	1,4-Dichlorobenzene-d4	11.819

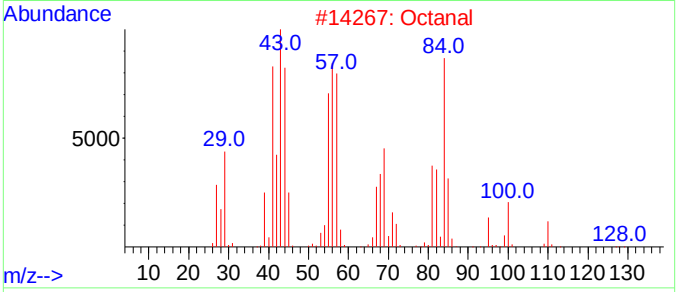
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	90
3	Octanal	128	C8H16O	000124-13-0	90
4	Octanal	128	C8H16O	000124-13-0	83
5	Octanal	128	C8H16O	000124-13-0	72

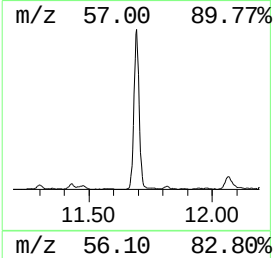


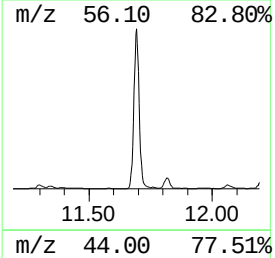


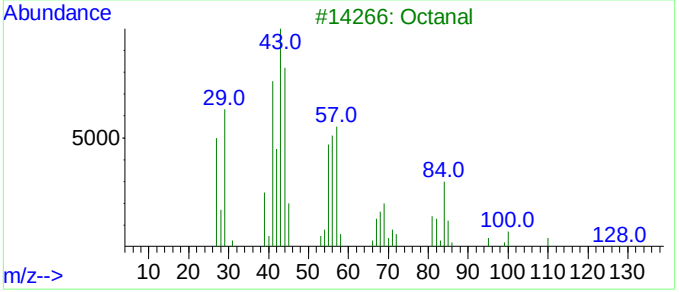


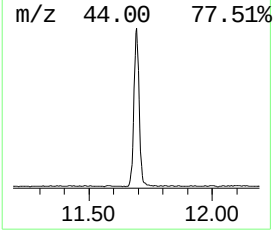












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Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

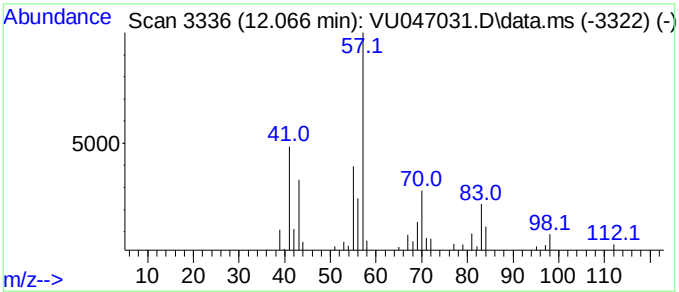
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

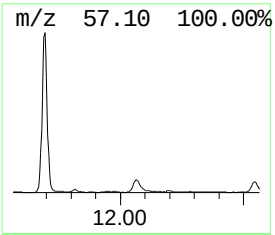
****

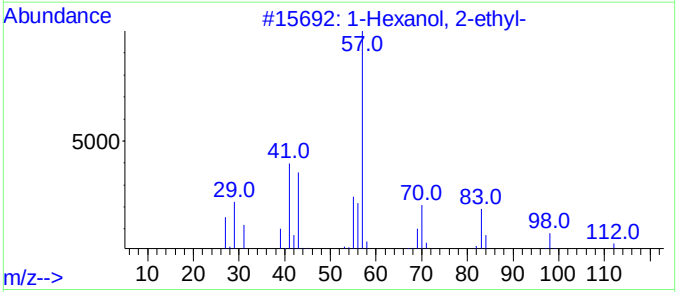
Peak Number 13 1-Hexanol, 2-ethyl- Concentration Rank 23

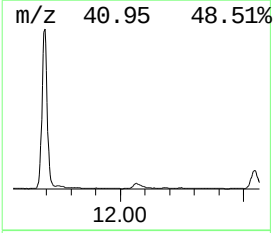
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.066	0.53 ug/L	46041	1,4-Dichlorobenzene-d4	11.819

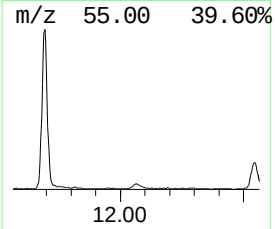
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	64
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	64

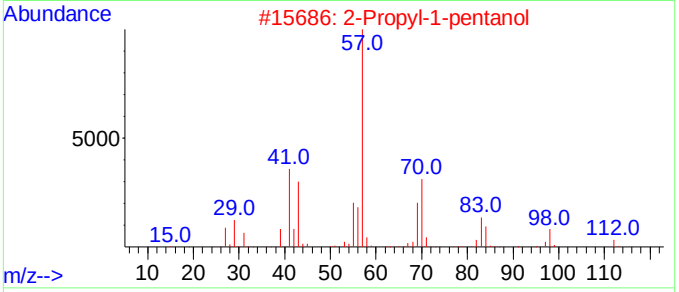


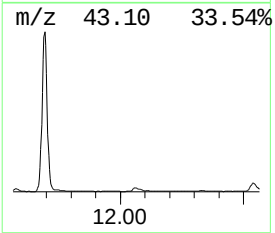


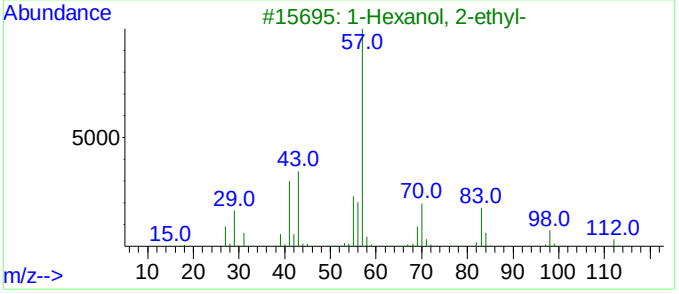


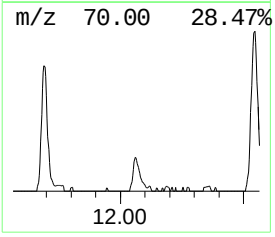












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Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

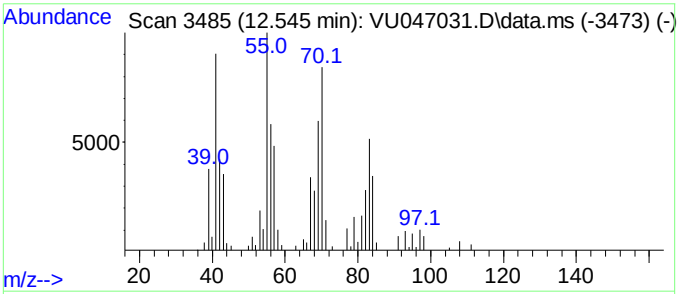
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

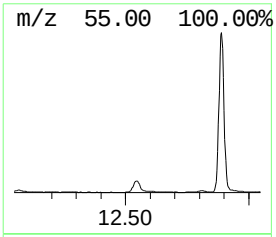
****

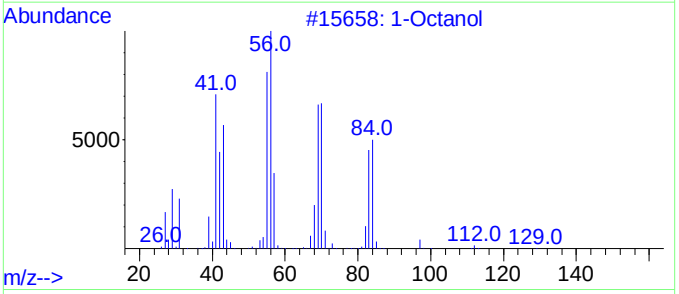
Peak Number 14 1-Octanol Concentration Rank 10

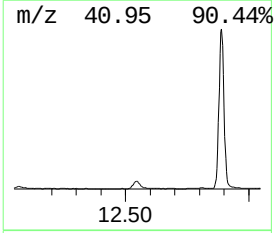
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.546	1.38 ug/L	119327	1,4-Dichlorobenzene-d4	11.819

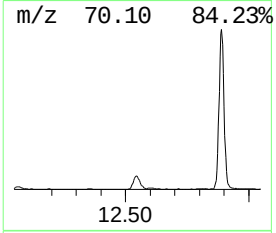
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol	130	C8H18O	000111-87-5	53
2	2-Decenal, (Z)-	154	C10H18O	002497-25-8	47
3	Cyclobutanone, 2-ethyl-	98	C6H10O	010374-14-8	38
4	1-Heptyn-3-ol	112	C7H12O	007383-19-9	38
5	2-Pentene, (E)-	70	C5H10	000646-04-8	35

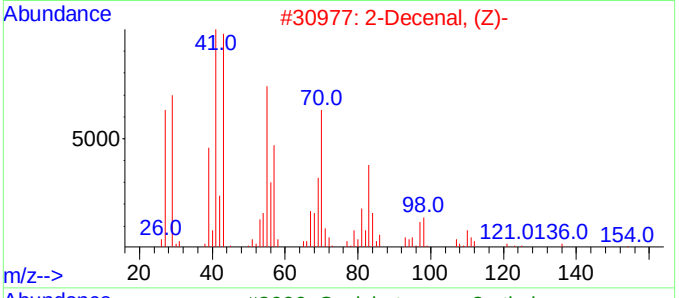


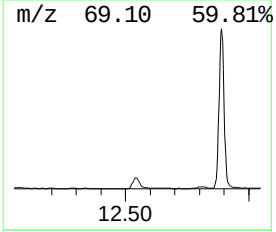


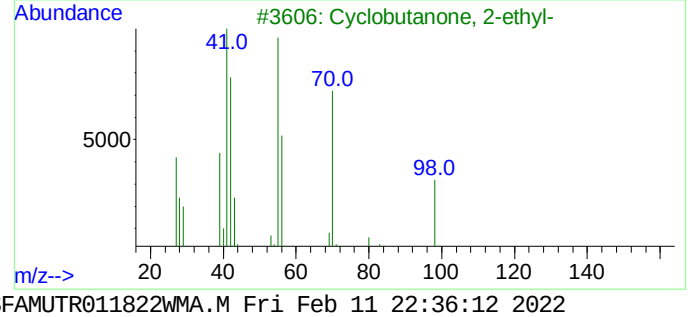


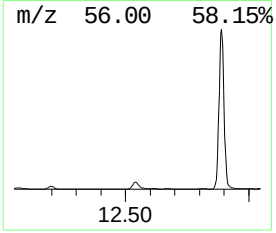












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Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

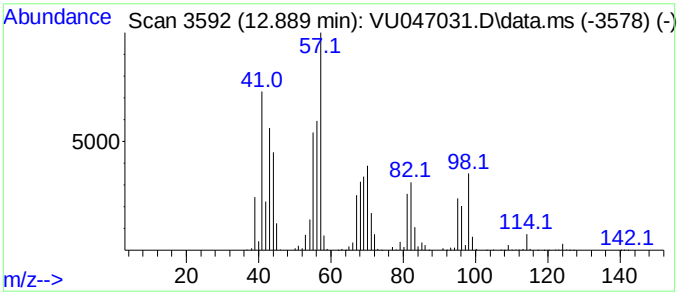
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

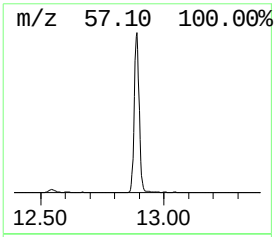
****

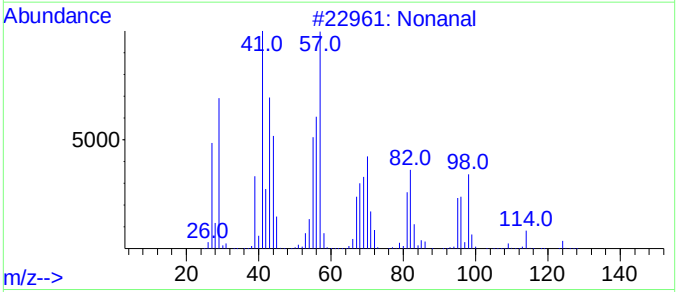
Peak Number 15 Nonanal Concentration Rank 1

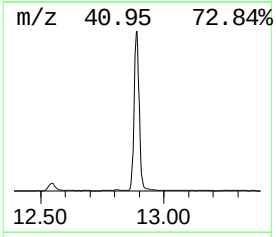
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.890	21.74 ug/L	1883890	1,4-Dichlorobenzene-d4	11.819

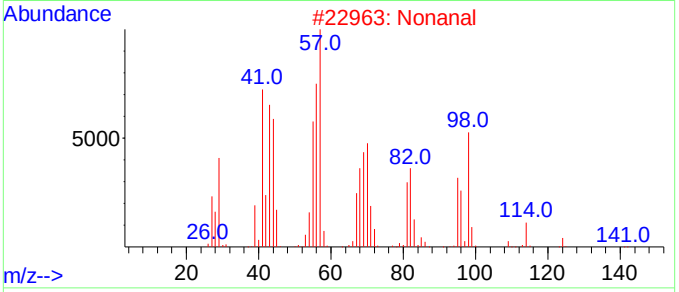
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Nonanal	142	C9H18O	000124-19-6	91
3	Nonanal	142	C9H18O	000124-19-6	91
4	Nonanal	142	C9H18O	000124-19-6	83
5	Heptane, 2-chloro-	134	C7H15Cl	001001-89-4	27

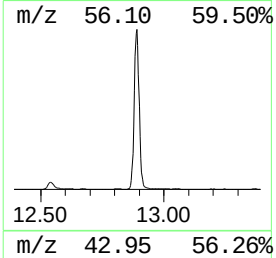


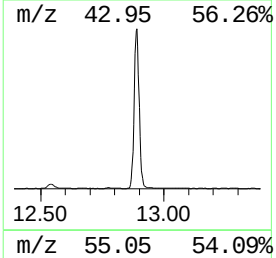


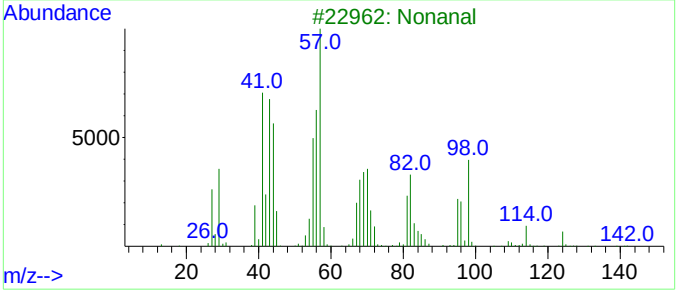


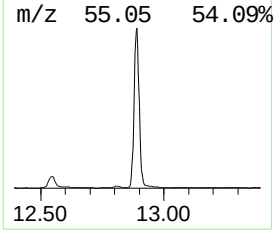












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

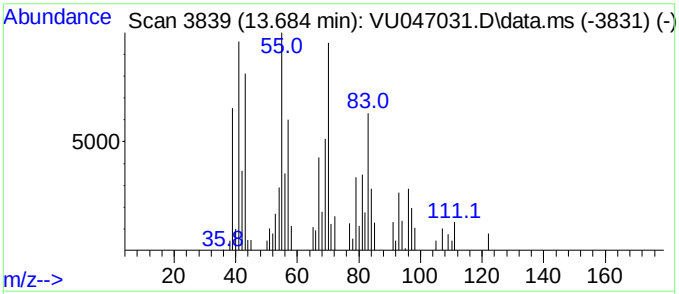
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

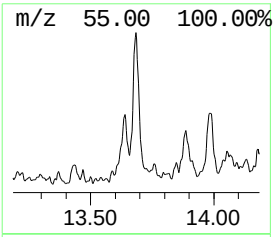
****

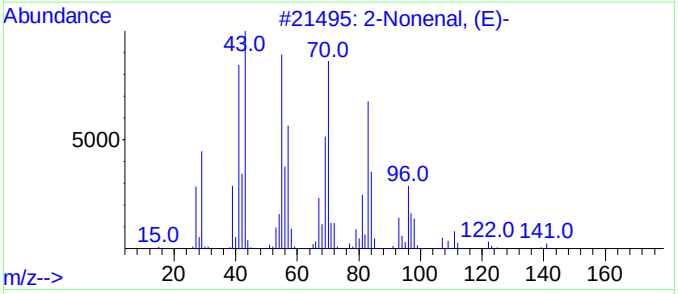
Peak Number 16 2-Nonenal, (E)- Concentration Rank 22

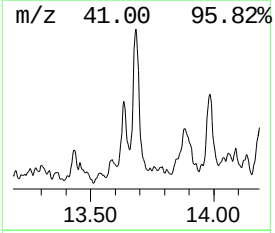
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.684	0.55 ug/L	47444	1,4-Dichlorobenzene-d4	11.819

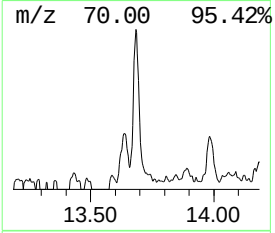
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonenal, (E)-	140	C9H16O	018829-56-6	64
2	2-Nonenal, (E)-	140	C9H16O	018829-56-6	53
3	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	50
4	2-Decenal, (Z)-	154	C10H18O	002497-25-8	50
5	2-Nonenal, (E)-	140	C9H16O	018829-56-6	47

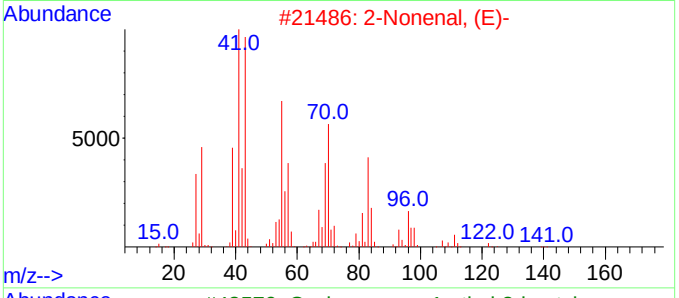


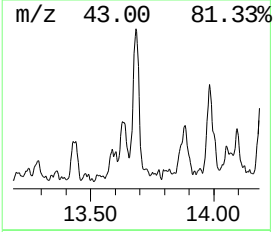


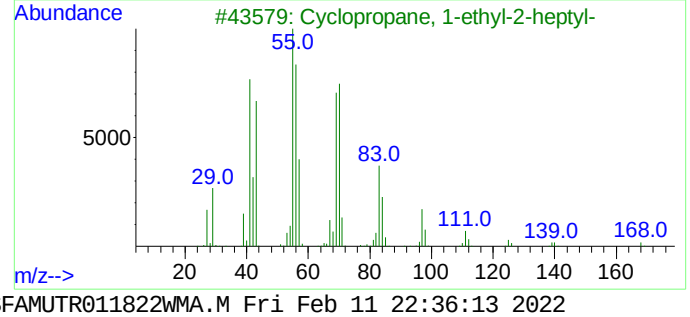


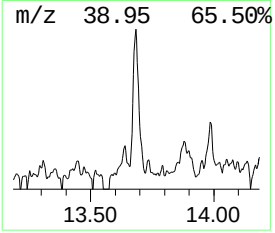












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Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

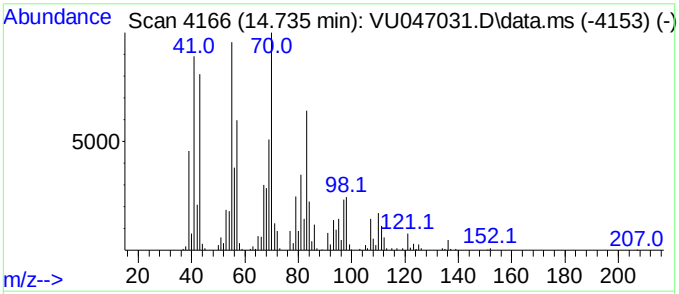
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

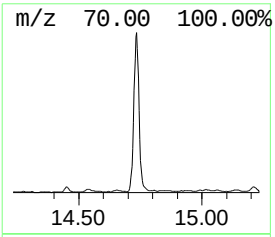
****

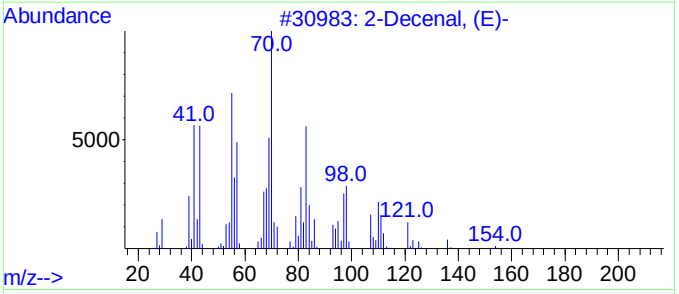
Peak Number 17 2-Decenal, (E)- Concentration Rank 5

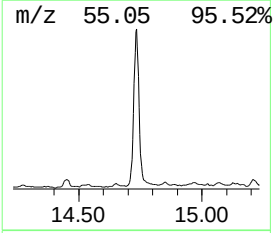
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.735	6.72 ug/L	582810	1,4-Dichlorobenzene-d4	11.819

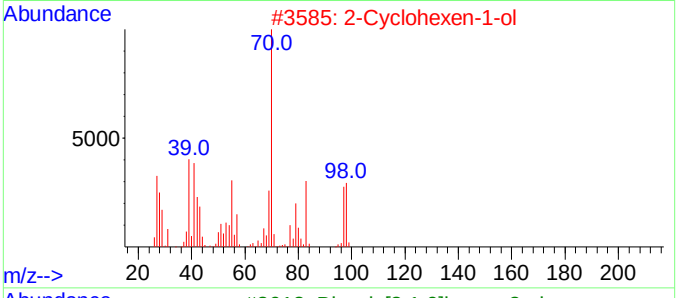
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decenal, (E)-	154	C10H18O	003913-81-3	90
2	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	53
3	Bicyclo[3.1.0]hexan-2-ol	98	C6H10O	1000194-18-6	49
4	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	49
5	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	49

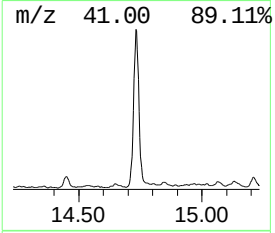


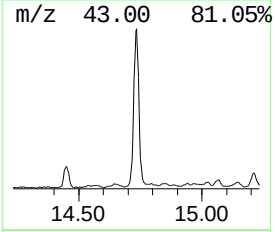


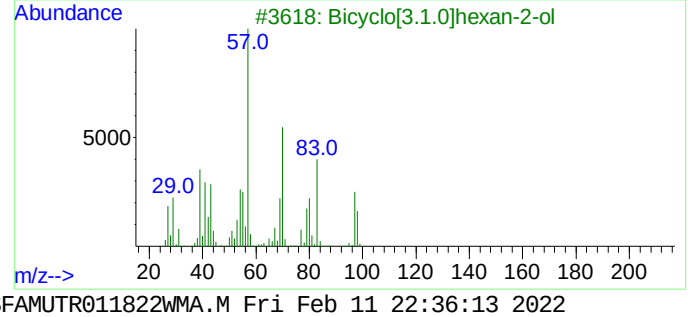


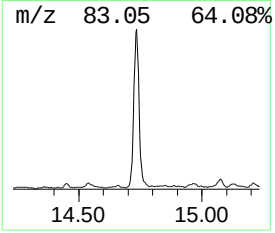












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

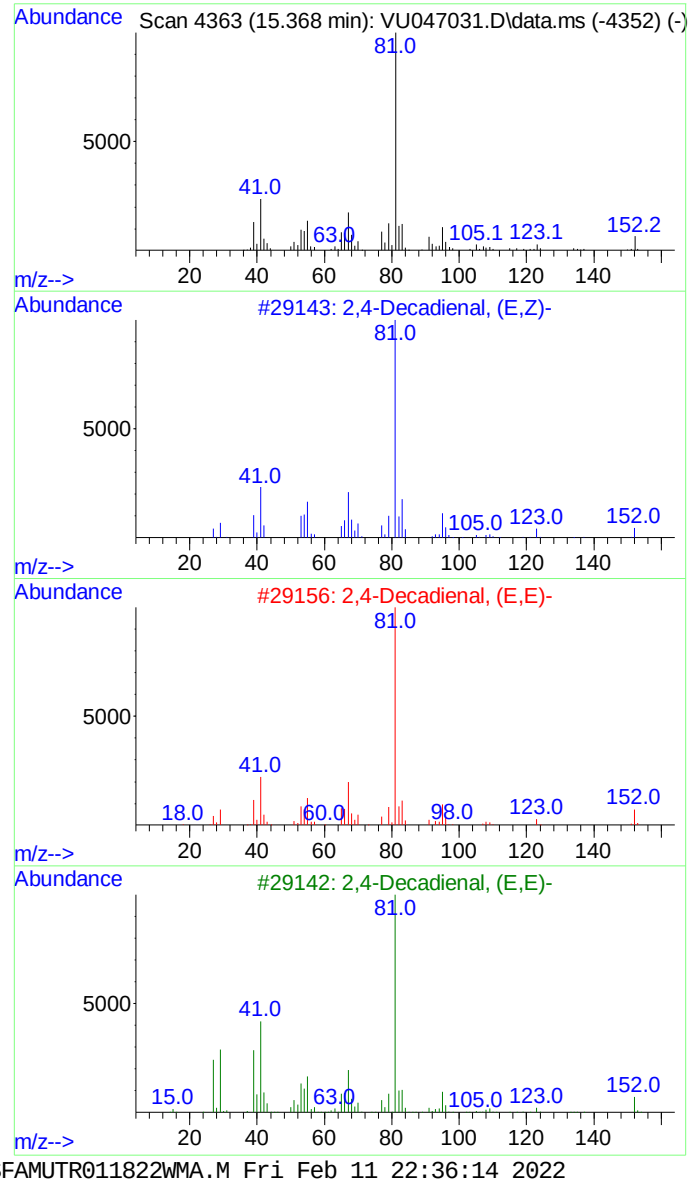
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

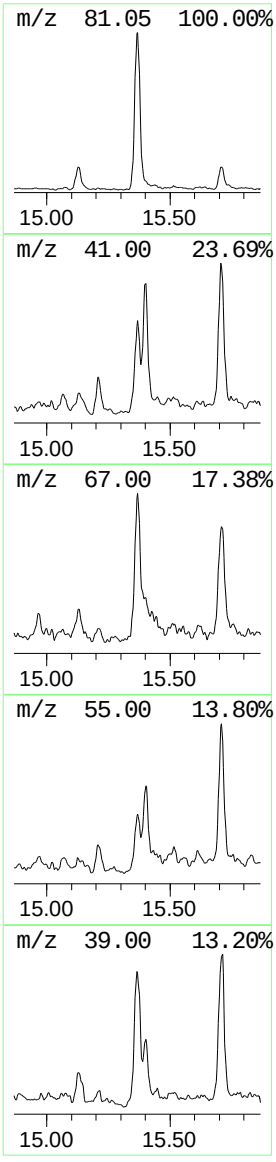
****

Peak Number 18 2,4-Decadienal, (E,Z)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.368	1.30 ug/L	112809	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Decadienal, (E,Z)-	152	C10H16O	025152-83-4	94
2	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	90
3	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	90
4	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	87
5	2,4-Decadienal	152	C10H16O	002363-88-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

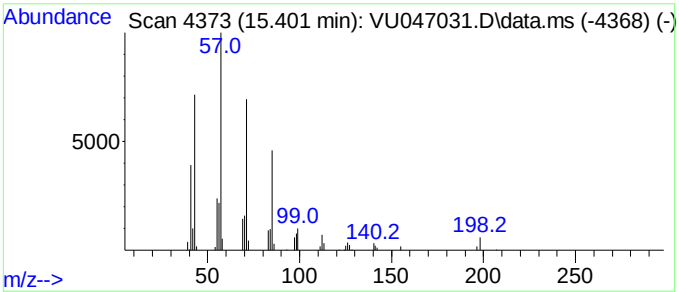
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

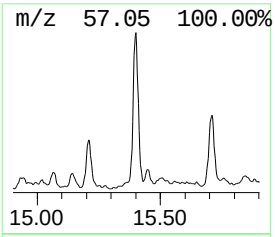
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

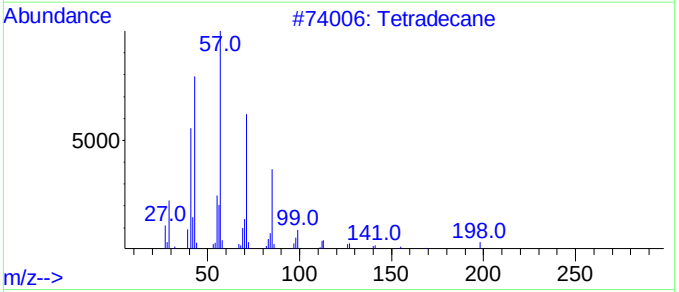
****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 12

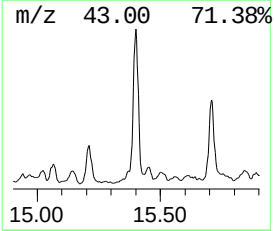
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.401	1.17 ug/L	101053	1,4-Dichlorobenzene-d4	11.819

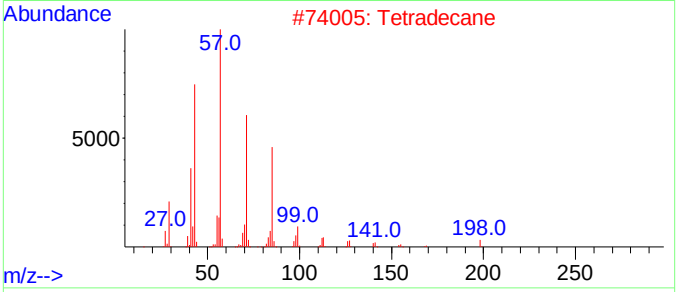
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	94
2	Tetradecane	198	C14H30	000629-59-4	91
3	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	90
4	Dodecane	170	C12H26	000112-40-3	90
5	Nonadecane	268	C19H40	000629-92-5	87

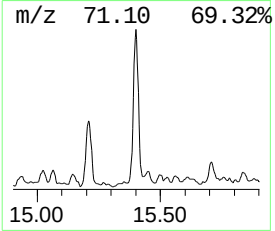


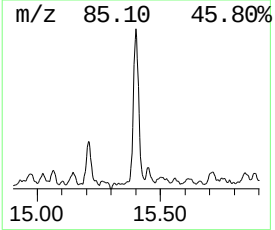


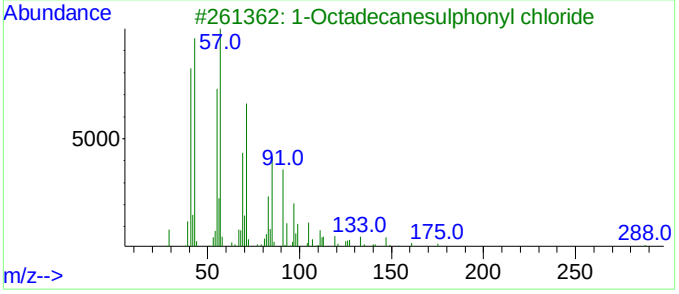


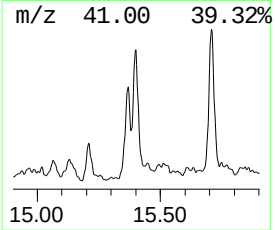












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

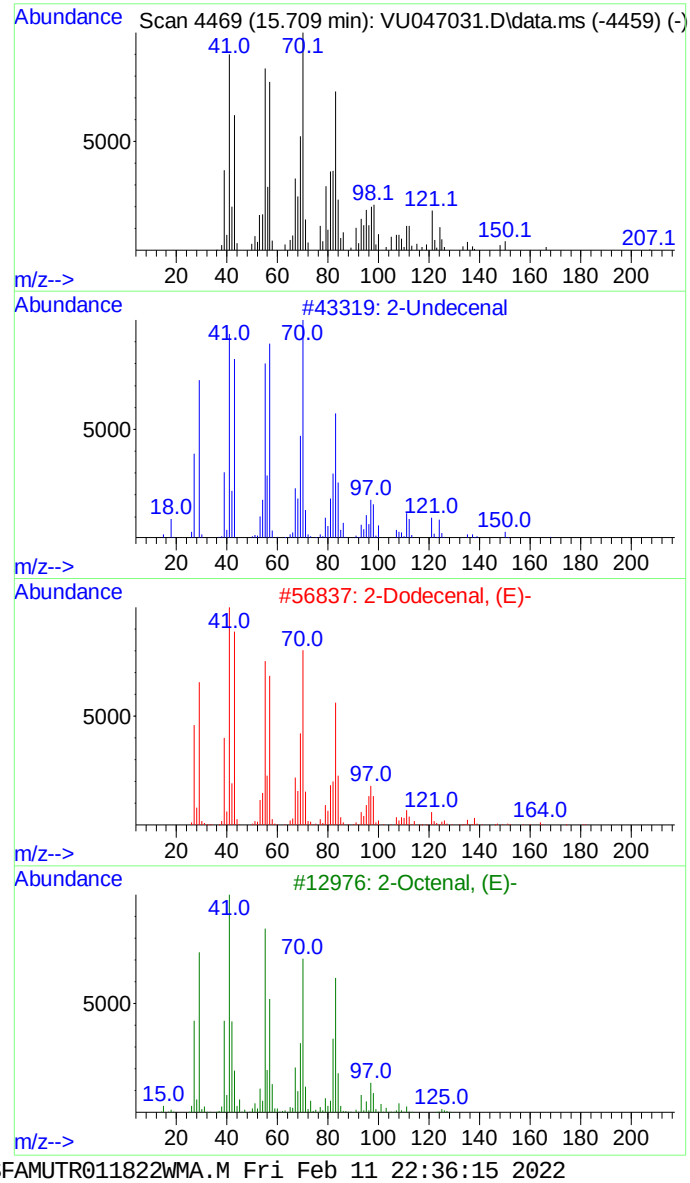
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

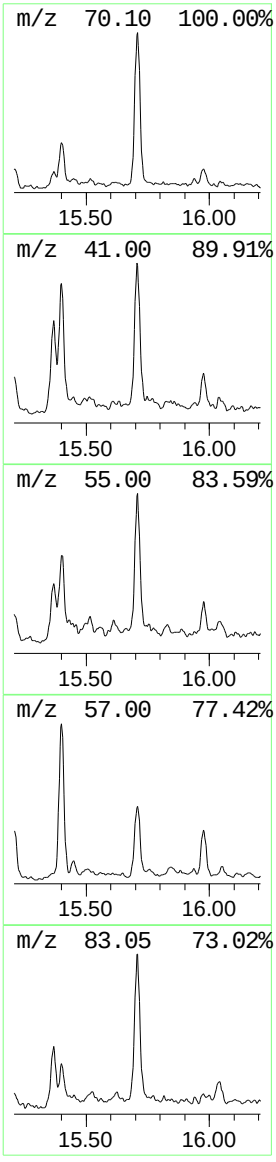
****

Peak Number 20 2-Undecenal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.709	1.72 ug/L	149037	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecenal	168	C11H20O	002463-77-6	72
2	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	64
3	2-Octenal, (E)-	126	C8H14O	002548-87-0	58
4	2-Octenal, (E)-	126	C8H14O	002548-87-0	58
5	(E)-Hexadec-2-enal	238	C16H30O	022644-96-8	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

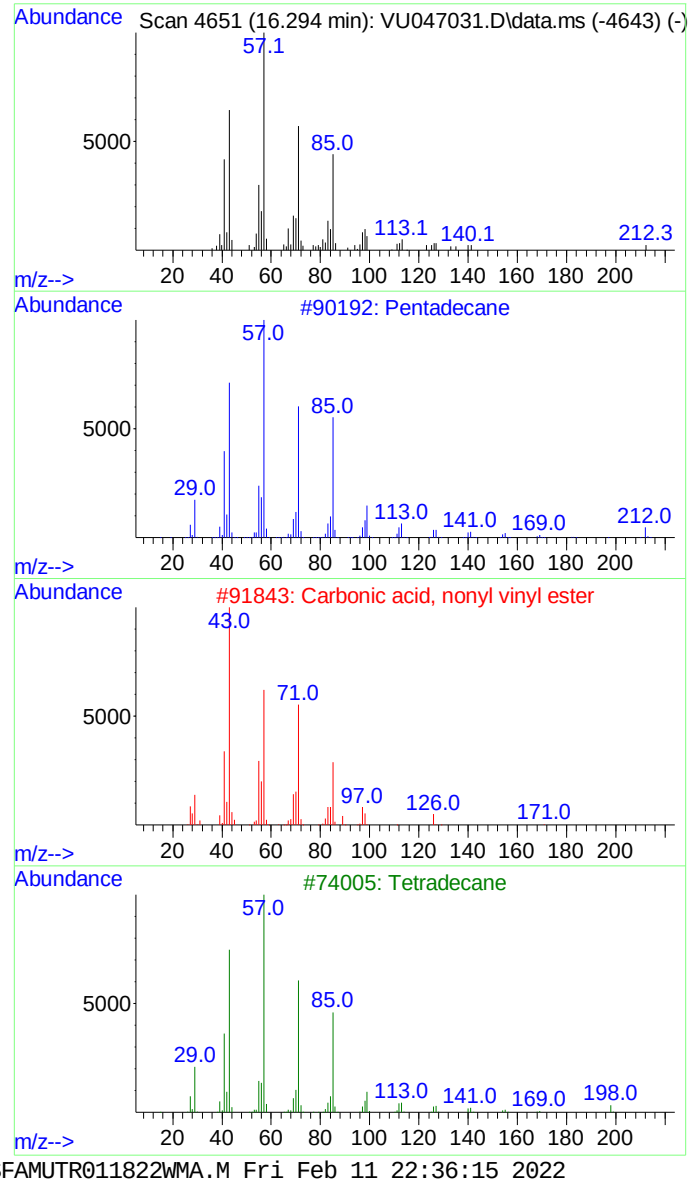
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

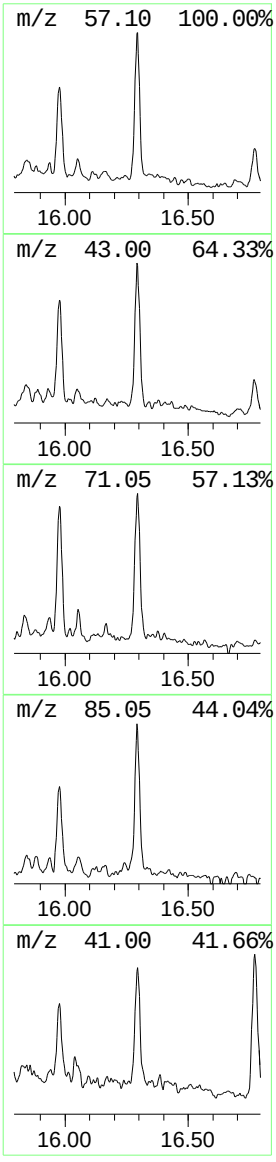
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.294	0.58 ug/L	50225	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	80
3	Tetradecane	198	C14H30	000629-59-4	80
4	Pentadecane	212	C15H32	000629-62-9	64
5	Pentadecane	212	C15H32	000629-62-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

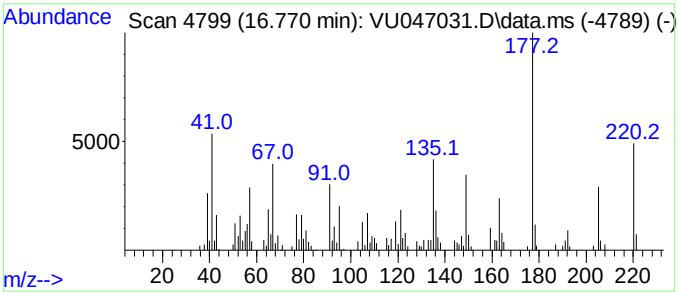
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

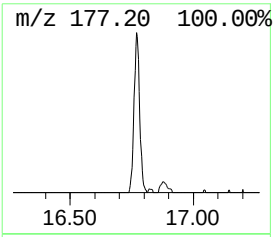
****

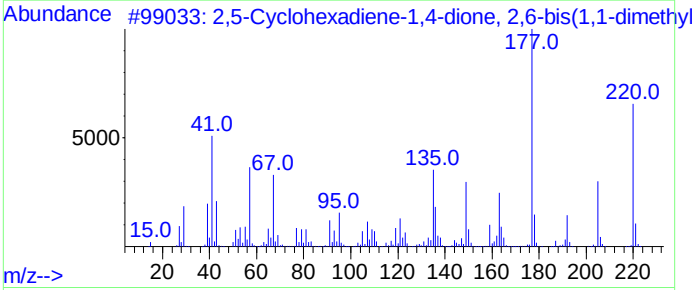
Peak Number 22 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 14

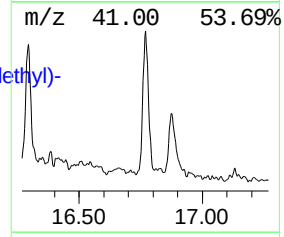
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.770	1.07 ug/L	92692	1,4-Dichlorobenzene-d4	11.819

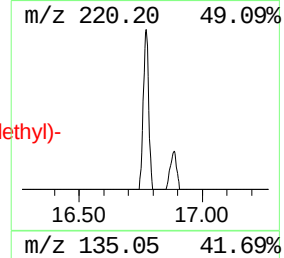
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	98
2	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	97
3	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	97
4	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	96
5	2H-1-benzopyran-6-ol, 3,4-dihydr...	220	C14H20O2	1000396-25-4	50

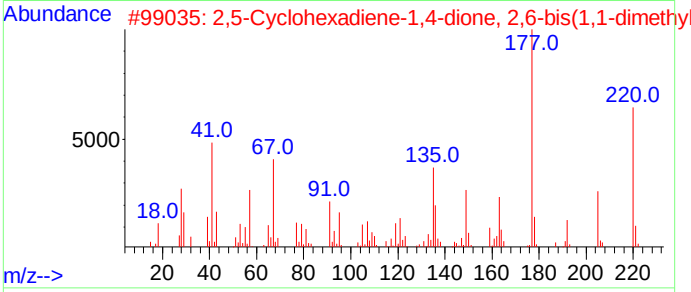


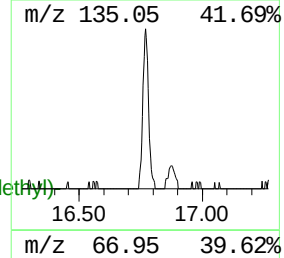


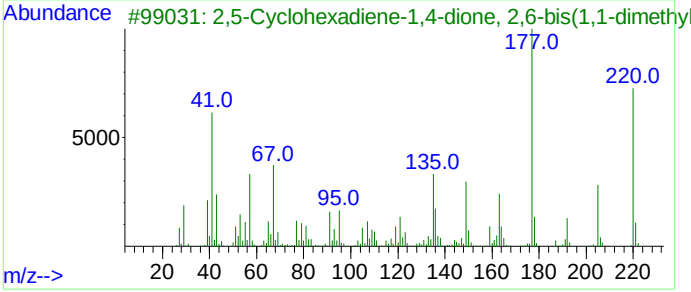


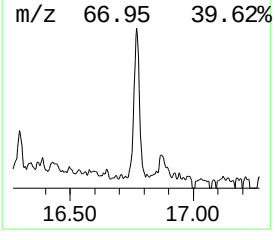












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

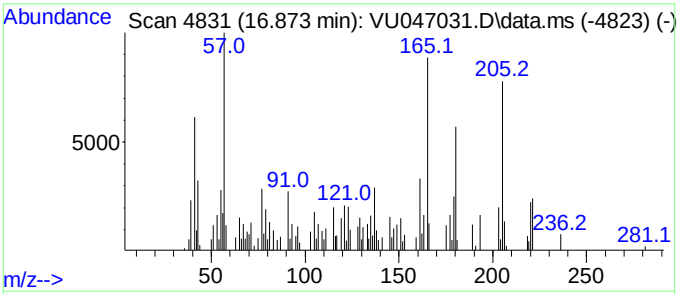
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

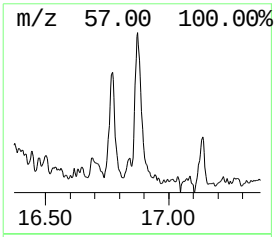
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

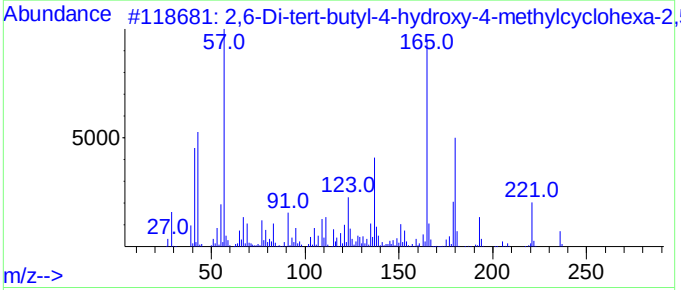
****
Peak Number 23 2,6-Di-tert-butyl-4-hydroxy... Concentration Rank 18

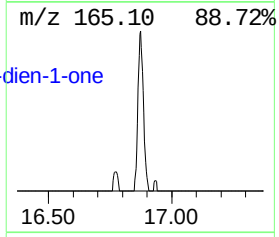
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.873	0.66 ug/L	57343	1,4-Dichlorobenzene-d4	11.819

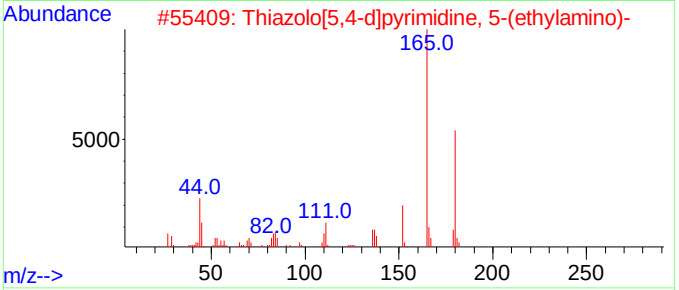
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Di-tert-butyl-4-hydroxy-4-me...	236	C15H24O2	010396-80-2	90
2	Thiazolo[5,4-d]pyrimidine, 5-(et...	180	C7H8N4S	019835-21-3	42
3	3',5'-Dimethoxyacetophenone	180	C10H12O3	039151-19-4	38
4	Ethanone, 1-(3,4-dimethoxyphenyl)-	180	C10H12O3	001131-62-0	38
5	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	30

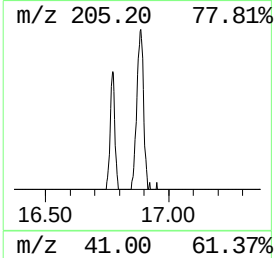


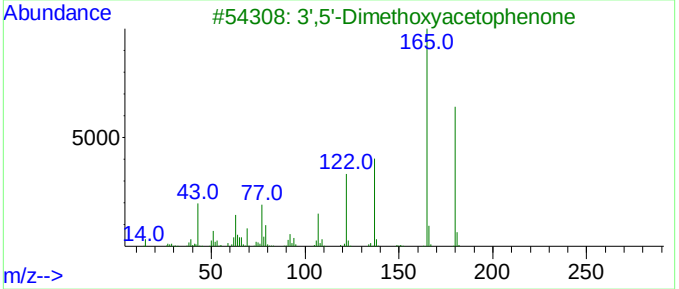


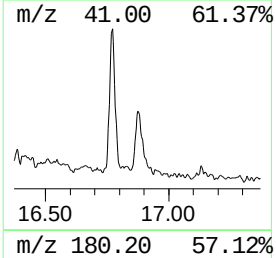


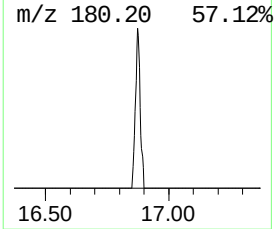












Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXY7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.427	9.1	ug/L	440786	1	6.327	243105	5.0
(DEL) Alkane: S...	1.562	0.6	ug/L	29218	1	6.327	243105	5.0
(DEL) Alkane: S...	1.813	1.1	ug/L	55130	1	6.327	243105	5.0
(DEL) Alkane: S...	2.285	1.1	ug/L	51005	1	6.327	243105	5.0
(DEL) Alkane: C...	2.498	0.6	ug/L	29927	1	6.327	243105	5.0
Butanal, 3-methyl-	6.944	3.1	ug/L	153069	1	6.327	243105	5.0
Hexanal	8.812	16.8	ug/L	1162930	2	9.436	346358	5.0
Heptanal	10.356	5.6	ug/L	388875	2	9.436	346358	5.0
Furan, 2-pentyl-	11.262	0.7	ug/L	58954	3	11.819	433353	5.0
Octanal	11.693	9.3	ug/L	804755	3	11.819	433353	5.0
1-Hexanol, 2-et...	12.066	0.5	ug/L	46041	3	11.819	433353	5.0
1-Octanol	12.546	1.4	ug/L	119327	3	11.819	433353	5.0
Nonanal	12.890	21.7	ug/L	1883890	3	11.819	433353	5.0
2-Nonenal, (E)-	13.684	0.6	ug/L	47444	3	11.819	433353	5.0
2-Decenal, (E)-	14.735	6.7	ug/L	582810	3	11.819	433353	5.0
2,4-Decadienal,...	15.368	1.3	ug/L	112809	3	11.819	433353	5.0
(DEL) Alkane: S...	15.401	1.2	ug/L	101053	3	11.819	433353	5.0
2-Undecenal	15.709	1.7	ug/L	149037	3	11.819	433353	5.0
(DEL) Alkane: S...	16.294	0.6	ug/L	50225	3	11.819	433353	5.0
2,5-Cyclohexadi...	16.770	1.1	ug/L	92692	3	11.819	433353	5.0
2,6-Di-tert-but...	16.873	0.7	ug/L	57343	3	11.819	433353	5.0