LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

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\SFAMUTR122121WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU046702.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.359	3	6	26	rVB	990009	894860	100.00%	12.526%
2	1.449	27	34	40	rBV2	17015	28039	3.13%	0.392%
3	1.485	40	45	66	rVB	62854	71045	7.94%	0.994%
4	1.584	67	76	87	rBV2	355971	559761	62.55%	7.836%
5	1.655	94	98	104	rVB	11030	10656	1.19%	0.149%
6	1.729	114	121	133	rBV	51081	60504	6.76%	0.847%
7	1.912	169	178	194	rVV2	33793	59465	6.65%	0.832%
8	1.996	196	204	214	rVB	34966	48728	5.45%	0.682%
9	2.157	245	254	262	rBV	86745	118771	13.27%	1.663%
10	2.208	262	270	293	rVV3	62179	131956	14.75%	1.847%
11	2.321	297	305	321	rVV2	9404	15994	1.79%	0.224%
12	2.417	323	335	344	rVV4	31499	52220	5.84%	0.731%
13	2.469	344	351	360	rVB2	6551	9858	1.10%	0.138%
14	2.568	371	382	394	rBV	49857	82230	9.19%	1.151%
15	2.633	395	402	409	rVB2	6232	9547	1.07%	0.134%
16	2.854	461	471	486	rVB	10665	19918	2.23%	0.279%
17	2.967	494	506	524	rBV6	7492	22431	2.51%	0.314%
18	3.568	678	693	714	rVB5	19647	49837	5.57%	0.698%
19	3.677	714	727	738	rVB3	6487	14791	1.65%	0.207%
20	4.186	869	885	898	rBV5	5715	14074	1.57%	0.197%
21	4.764	1040	1065	1100	rBV2	19857	118078	13.20%	1.653%
22	5.089	1150	1166	1187	rVB2	46879	105147	11.75%	1.472%
23	5.742	1348	1369	1397	rBV2	96575	242095	27.05%	3.389%
24	6.263	1517	1531	1559	rBV	99781	187979	21.01%	2.631%
25	6.706	1656	1669	1685	rBV	55290	107936	12.06%	1.511%
26	6.902	1717	1730	1748	rBV	25747	54860	6.13%	0.768%
27	7.578	1928	1940	1956	rVB	29617	49373	5.52%	0.691%
28	7.906	2030	2042	2055	rBV	105339	180234	20.14%	2.523%
29	7.976	2055	2064	2076	rVB	9591	15731	1.76%	0.220%
30	8.189	2120	2130	2143	rBV2	18162	30153	3.37%	0.422%
31	8.652	2260	2274	2306	rBV	171290	336090	37.56%	4.705%
32	8.796	2306	2319	2365	rVB	409439	727658	81.32%	10.186%
33	9.423	2502	2514	2531	rBV	151936	252172	28.18%	3.530%
34	10.349	2791	2802	2825	rBV	130494	214233	23.94%	2.999%
35	10.761	2919	2930	2945	rVB2	60068	95704	10.69%	1.340%
36	10.896	2960	2972	2983	rVB	12811	20610	2.30%	0.289%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

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\SFAMUTR122121WMA.M
Title : TRACE VOA SFAM1.0

37	11.298	3091	3097	3108	rVB5	8162	12149	1.36%	0.170%
38	11.471	3143	3151	3166	rVB3	9916	15448	1.73%	0.216%
39	11.690	3207	3219	3233	rBV	258828	376837	42.11%	5.275%
40	11.812	3246	3257	3273	rVB	194495	306736	34.28%	4.294%
41	12.063	3322	3335	3353	rBV3	13933	26669	2.98%	0.373%
42	12.195	3364	3376	3388	rBV	123666	195125	21.81%	2.731%
43	12.545	3475	3485	3500	rBV3	19920	33938	3.79%	0.475%
44	12.774	3546	3556	3566	rBV2	10407	19710	2.20%	0.276%
45	12.886	3578	3591	3611	rBV	520564	748522	83.65%	10.478%
46	13.687	3830	3840	3852	rVB2	16780	24869	2.78%	0.348%
47	13.883	3892	3901	3919	rVB7	6703	11907	1.33%	0.167%
48	13.983	3922	3932	3943	rBV2	27617	41781	4.67%	0.585%
49	14.732	4154	4165	4179	rBV	176207	268951	30.06%	3.765%
50	15.706	4459	4468	4481	rBV2	21194	30994	3.46%	0.434%
51	16.883	4823	4834	4846	rBV5	10690	17466	1.95%	0.244%

Sum of corrected areas: 7143840

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
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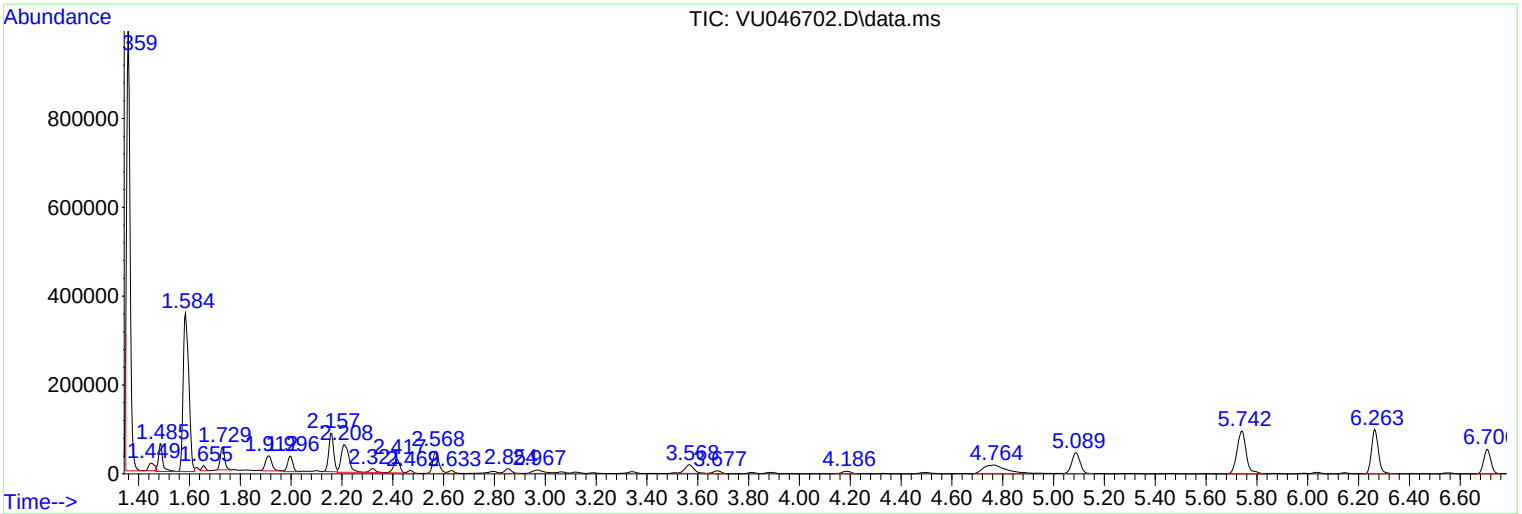
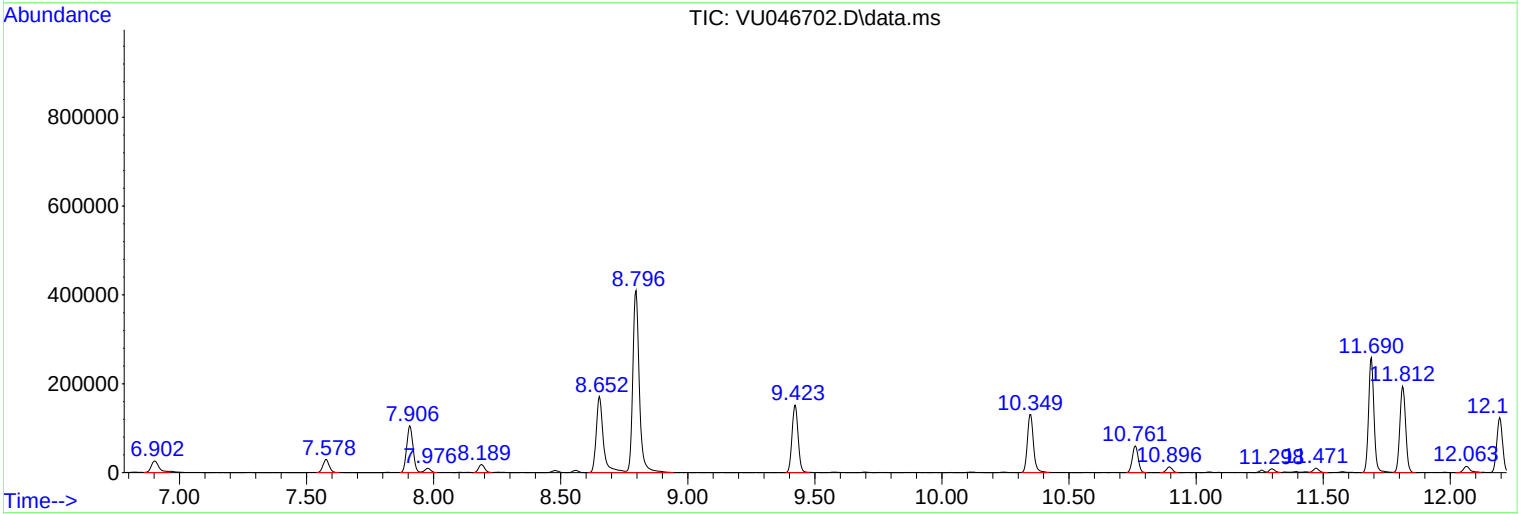
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

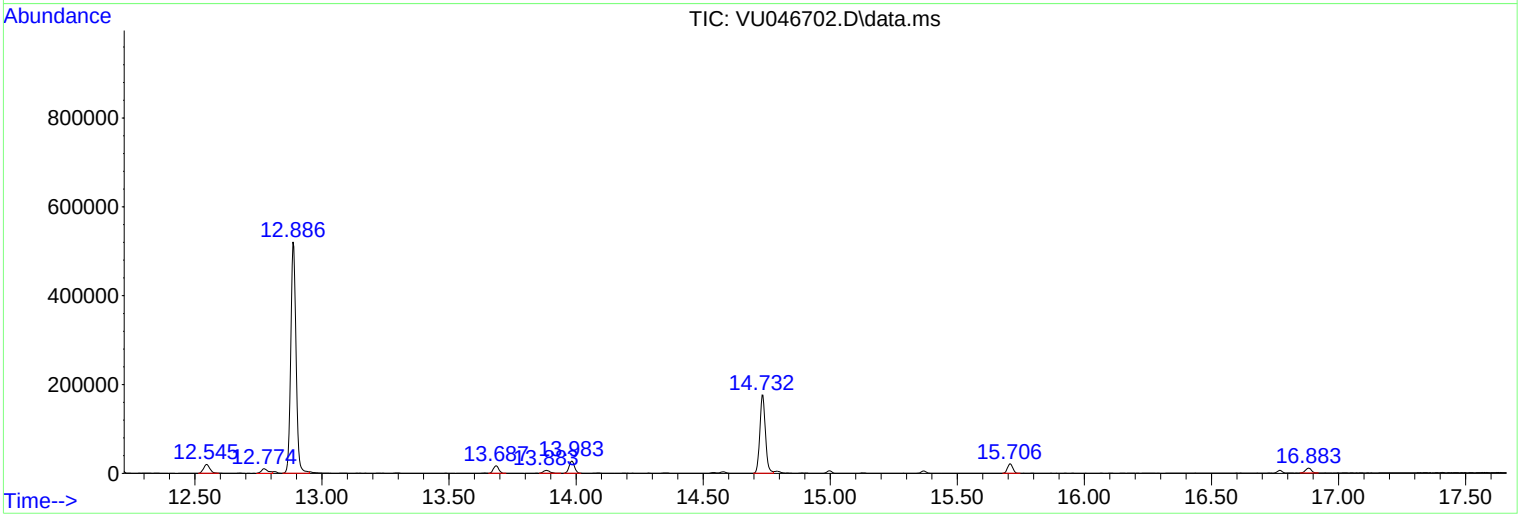
Instrument :
MSVOA_U
ClientSampleId :
BFXW0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.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\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

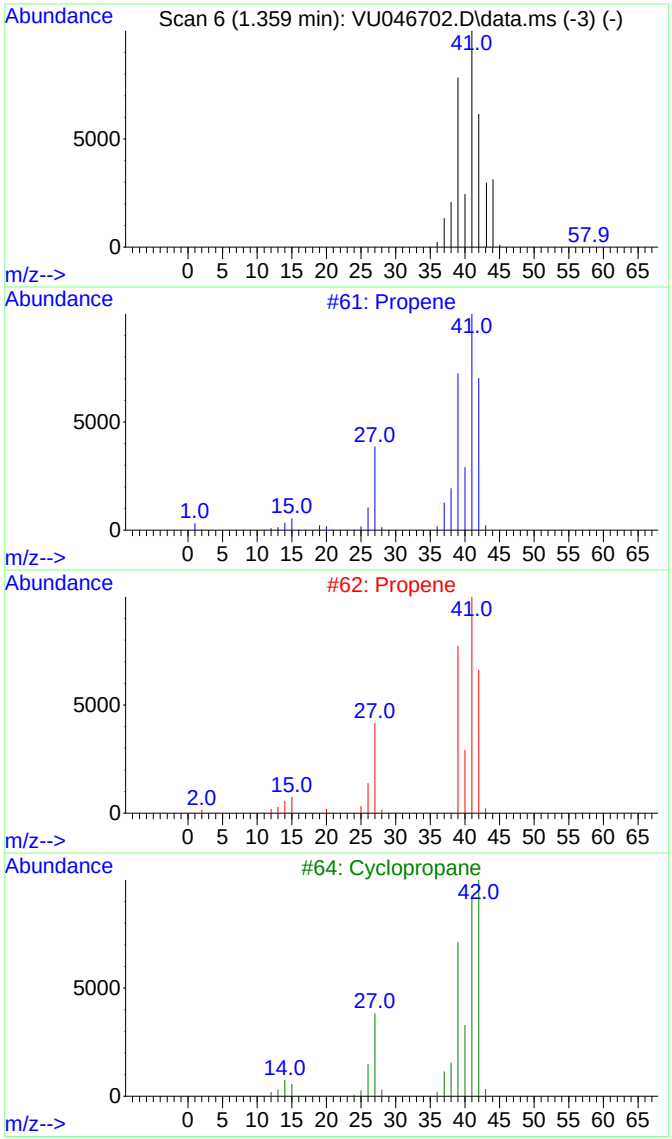
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

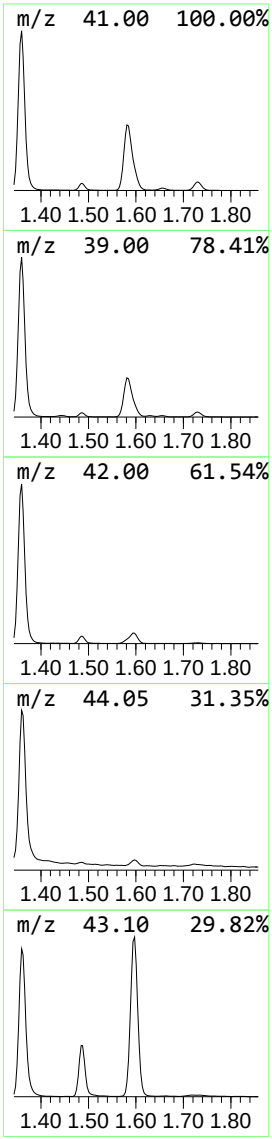
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.359	23.80 ug/L	894860	1,4-Difluorobenzene	6.263

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\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

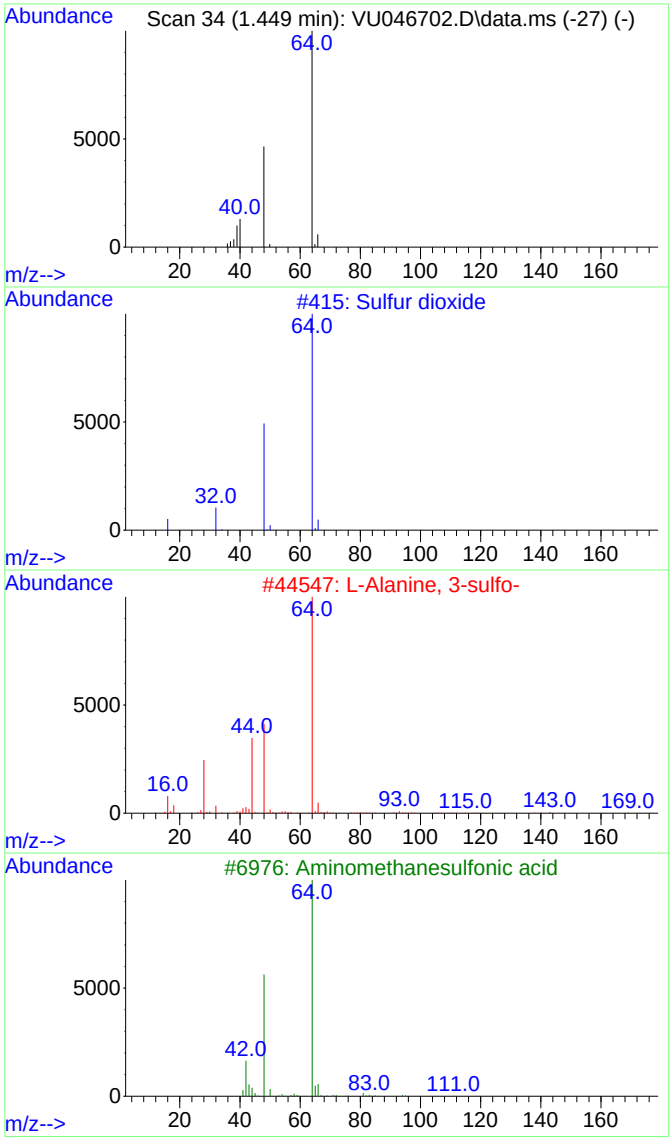
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

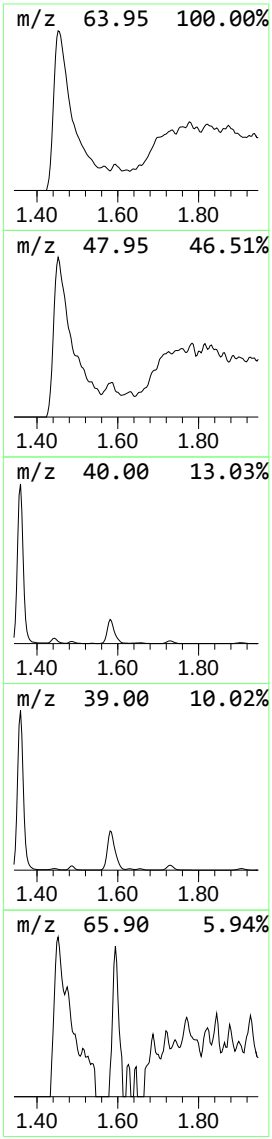
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Sulfur dioxide Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.449	0.75 ug/L	28039	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	74
2	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Sulfur dioxide	64	O2S	007446-09-5	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

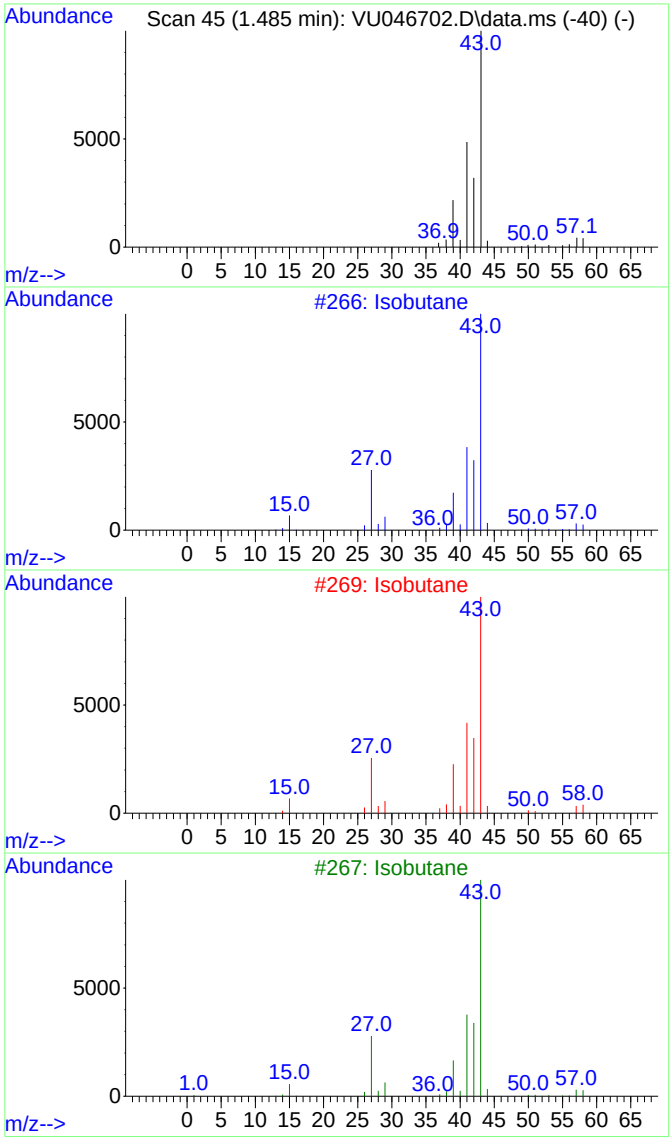
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

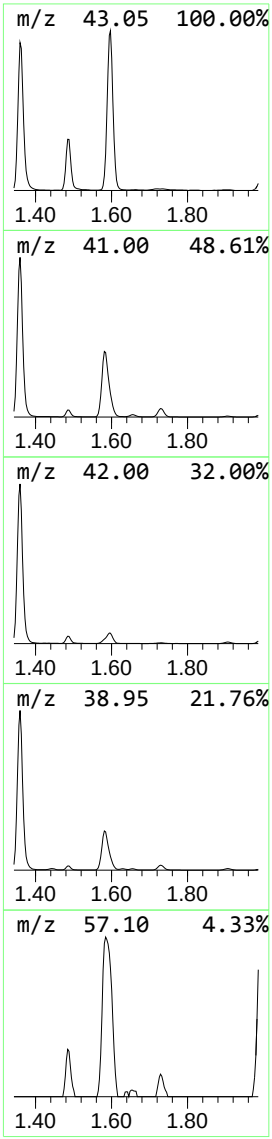
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.485	1.89 ug/L	71045	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	59
5	Isobutane	58	C4H10	000075-28-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

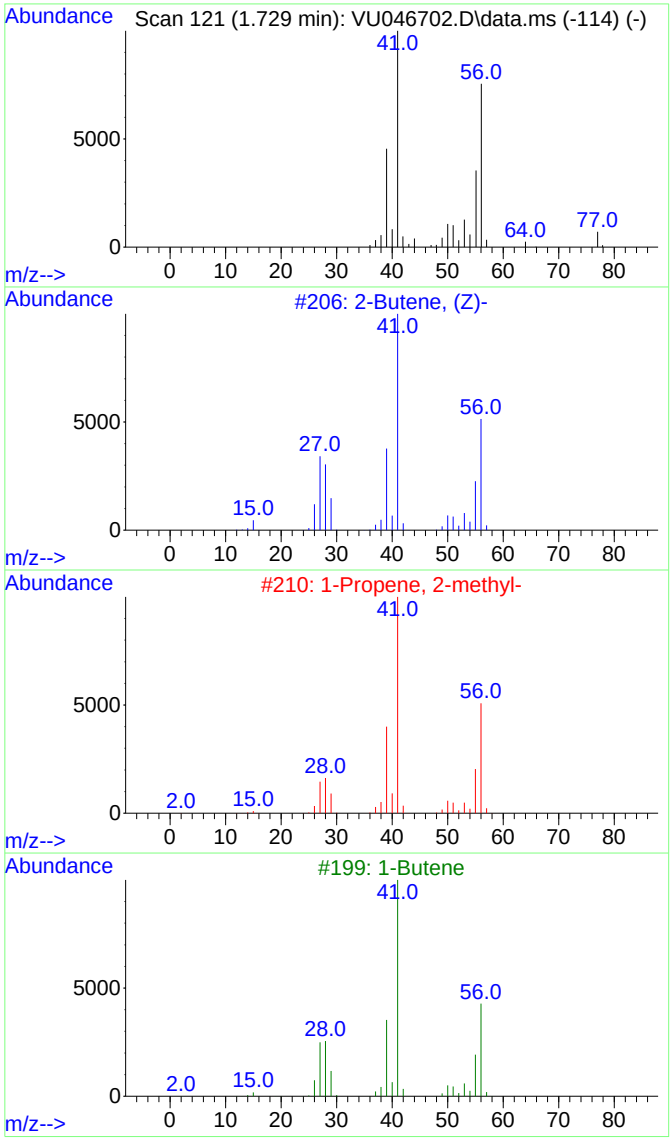
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

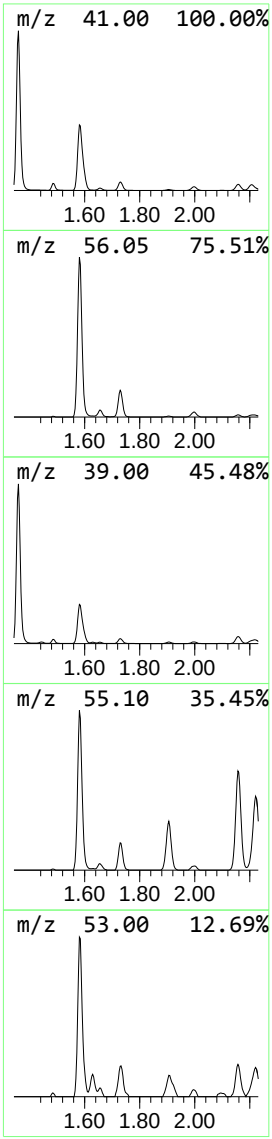
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.729	1.61 ug/L	60504	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, (Z)-	56	C4H8	000590-18-1	76
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	74
3	1-Butene	56	C4H8	000106-98-9	72
4	2-Butene, (Z)-	56	C4H8	000590-18-1	72
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

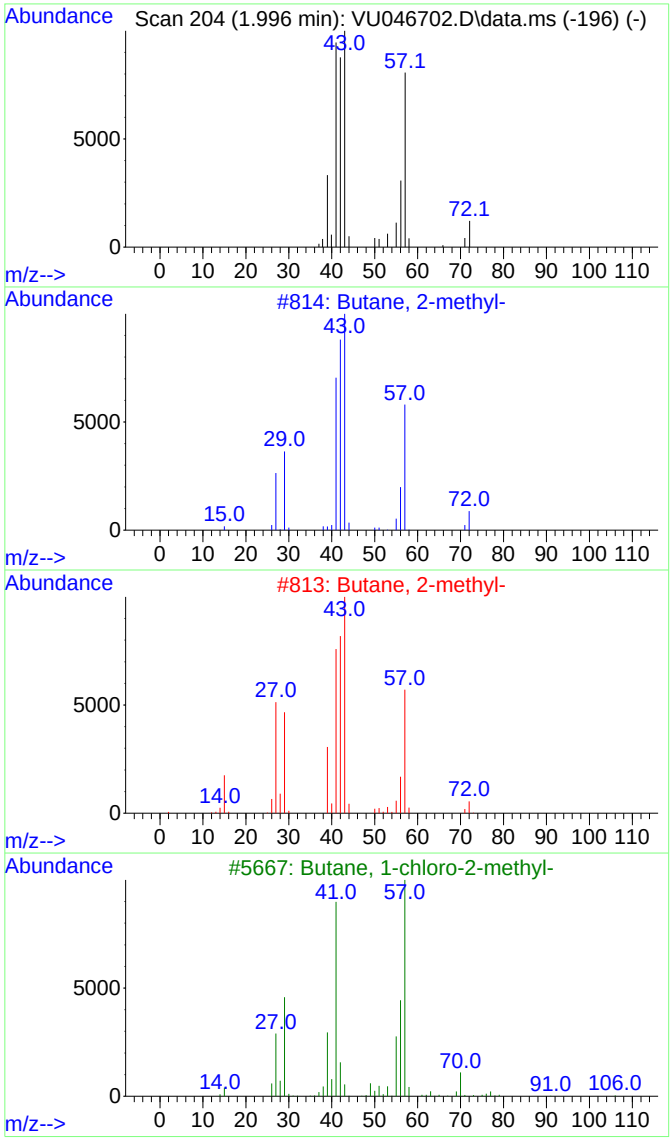
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

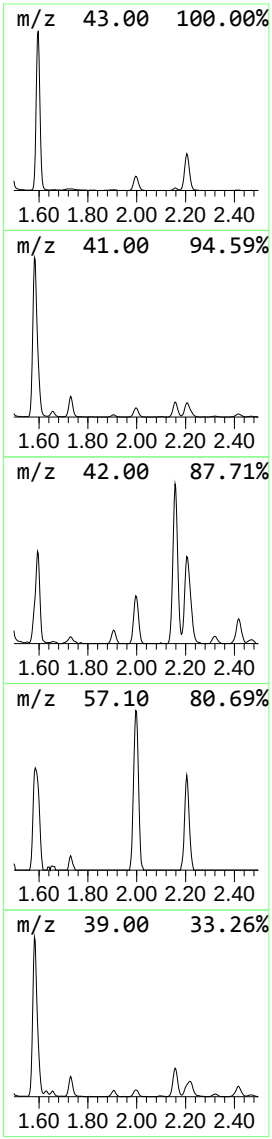
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.996	1.30 ug/L	48728	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	83
3	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	35
4	Oxirane, trimethyl-	86	C5H10O	005076-19-7	33
5	1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

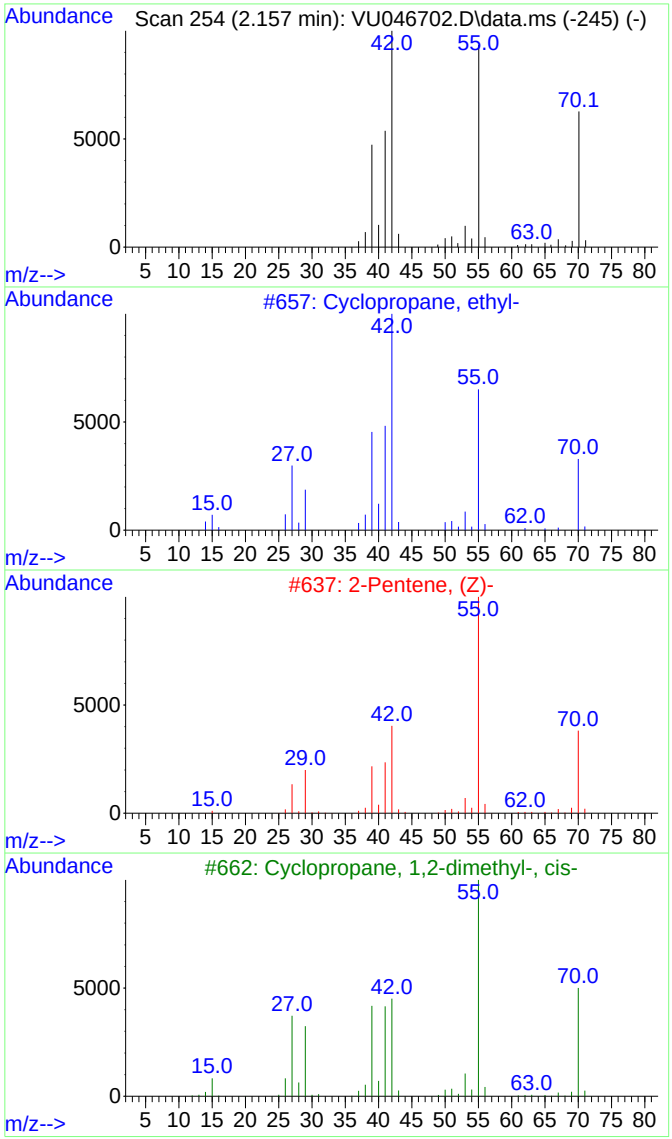
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

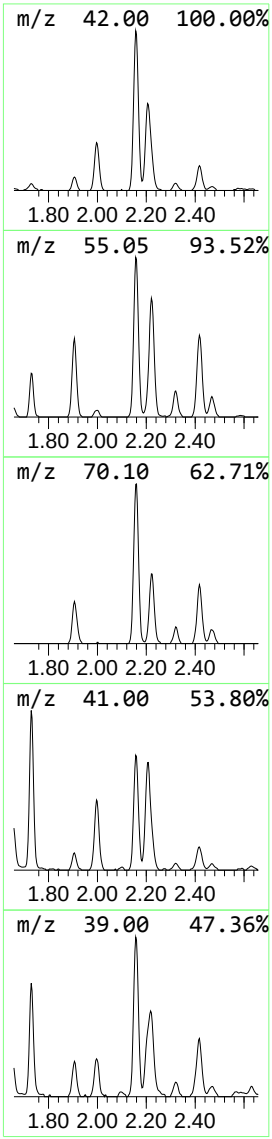
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic2.157 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	3.16 ug/L	118771	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	87
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	80
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	76
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76
5	1-Pentene	70	C5H10	000109-67-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

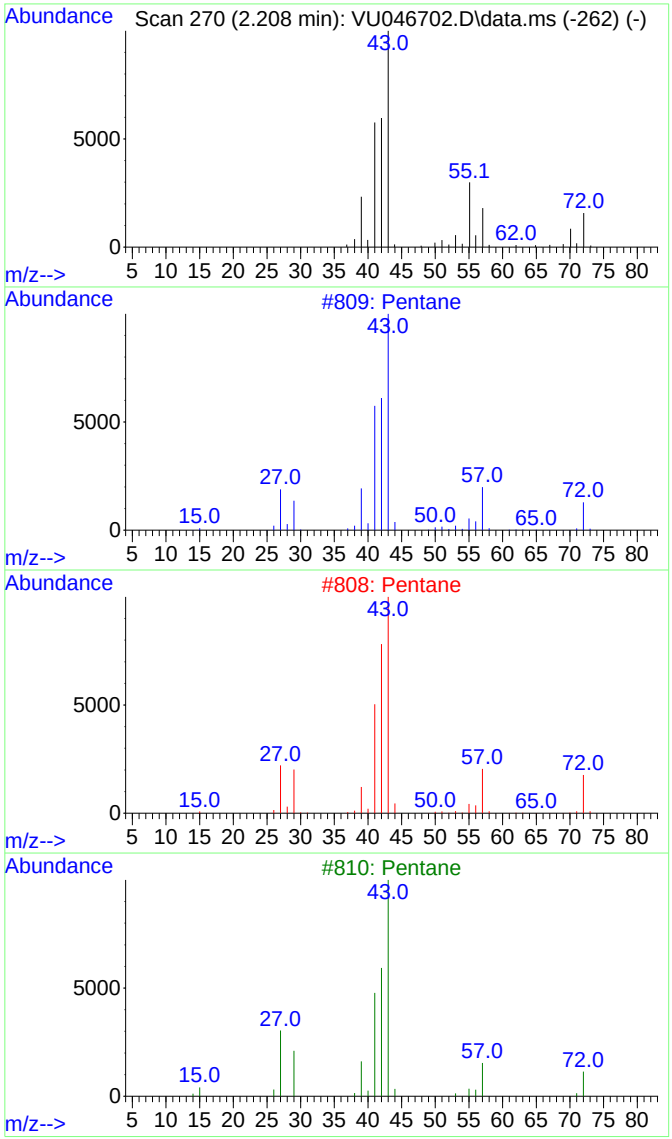
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

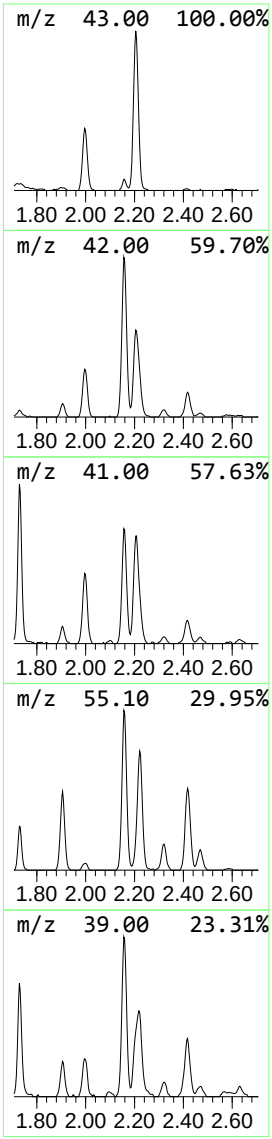
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.208	3.51 ug/L	131956	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	78
4	Pentane	72	C5H12	000109-66-0	72
5	Pentane	72	C5H12	000109-66-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

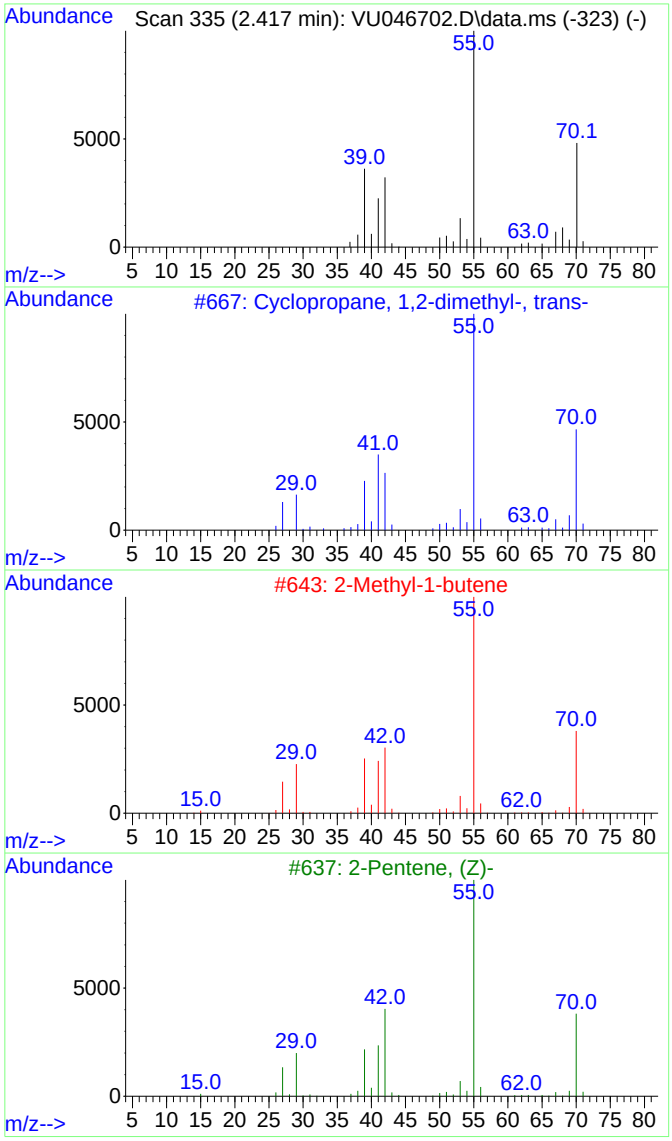
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

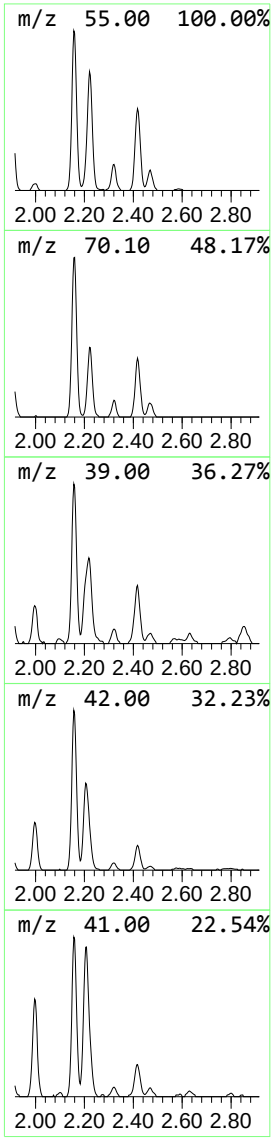
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic2.417 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.417	1.39 ug/L	52220	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80
2	2-Methyl-1-butene	70	C5H10	000563-46-2	80
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	80
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	74
5	2-Methyl-1-butene	70	C5H10	000563-46-2	72





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Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

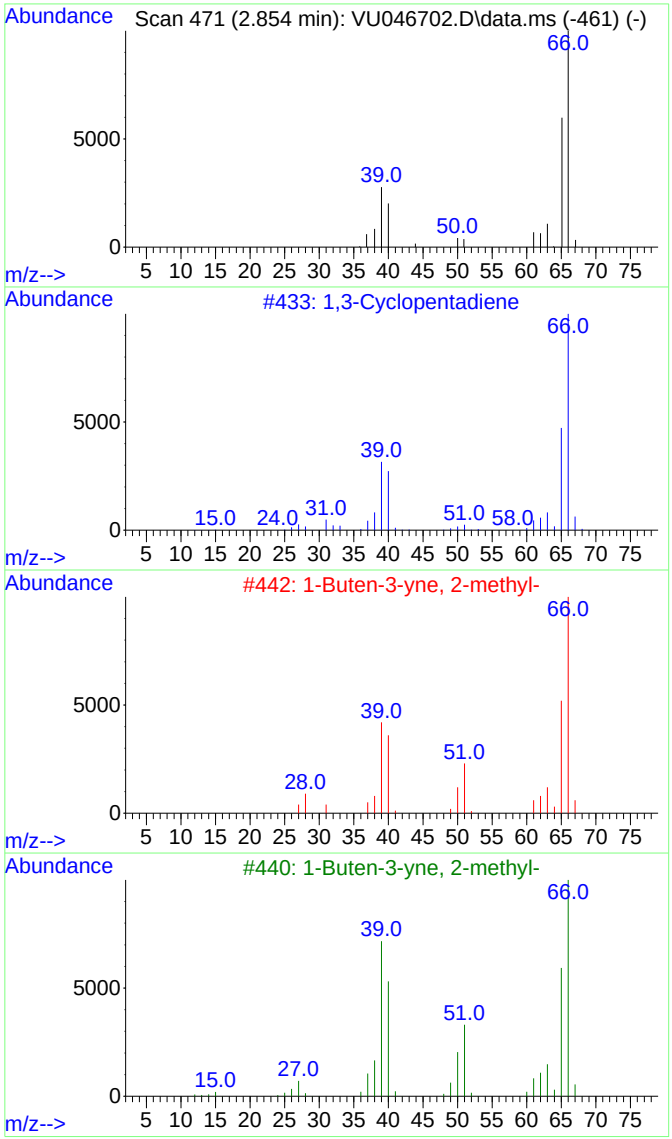
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

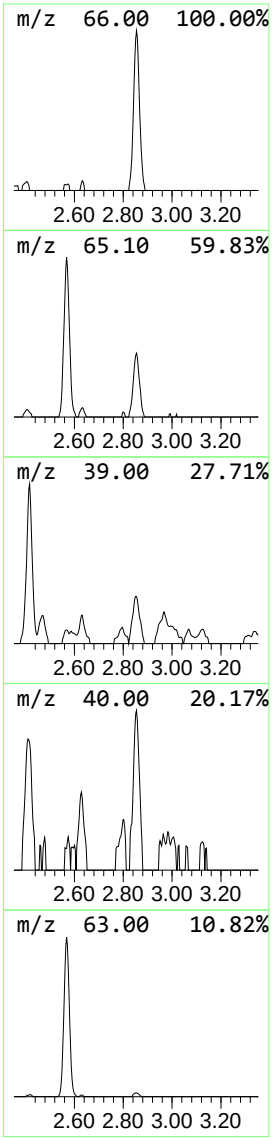
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1,3-Cyclopentadiene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.854	0.53 ug/L	19918	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene	66	C5H6	000542-92-7	90
2	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	83
3	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	74
4	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	64
5	1,3-Cyclopentadiene	66	C5H6	000542-92-7	53





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Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

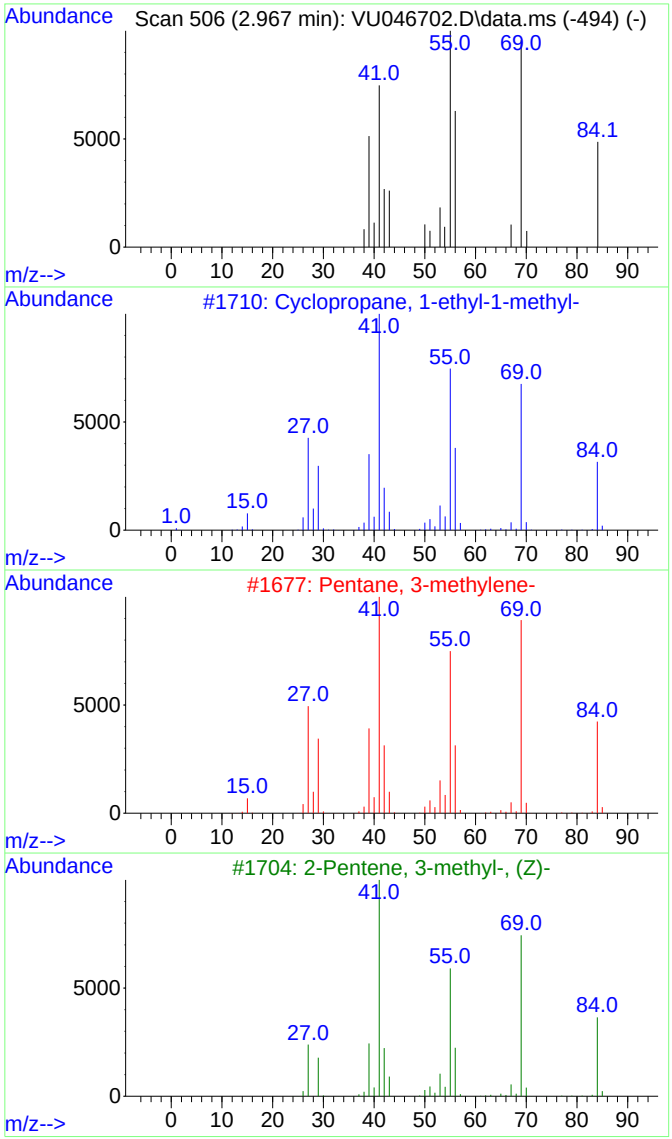
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

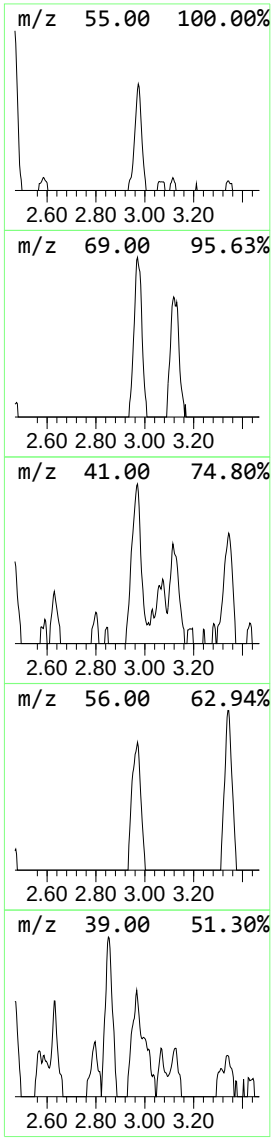
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic2.967 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.967	0.60 ug/L	22431	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	81
2	Pentane, 3-methylene-	84	C6H12	000760-21-4	74
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	68
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	59
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	58





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Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

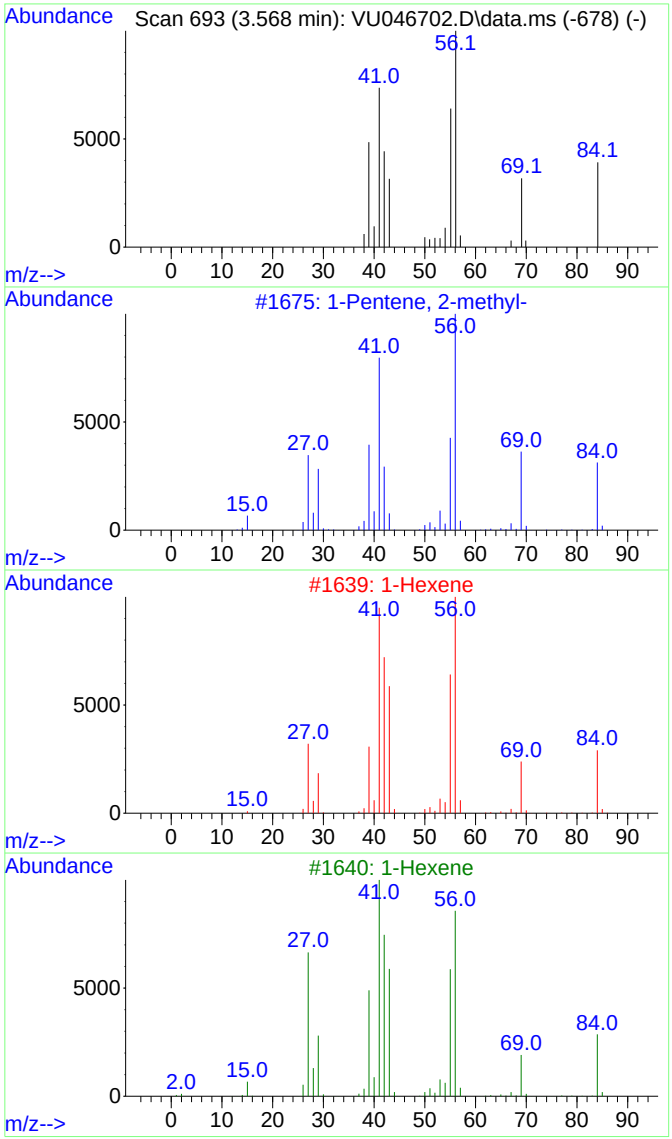
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

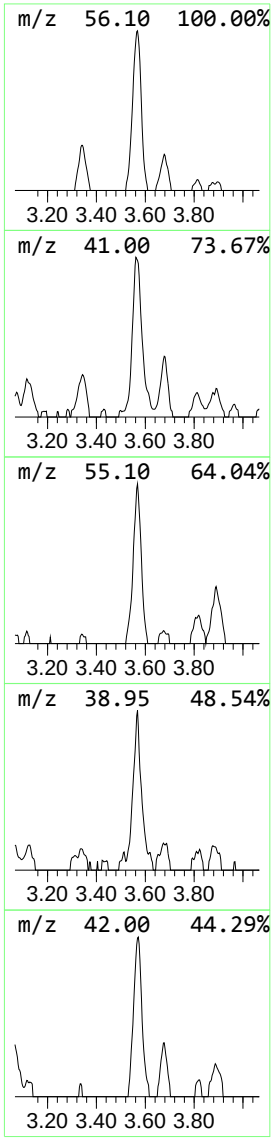
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.568	1.33 ug/L	49837	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
2	1-Hexene	84	C6H12	000592-41-6	72
3	1-Hexene	84	C6H12	000592-41-6	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	59
5	2H-Pyran-2-one, tetrahydro-5,6-d...	128	C7H12O2	024405-16-1	53





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Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

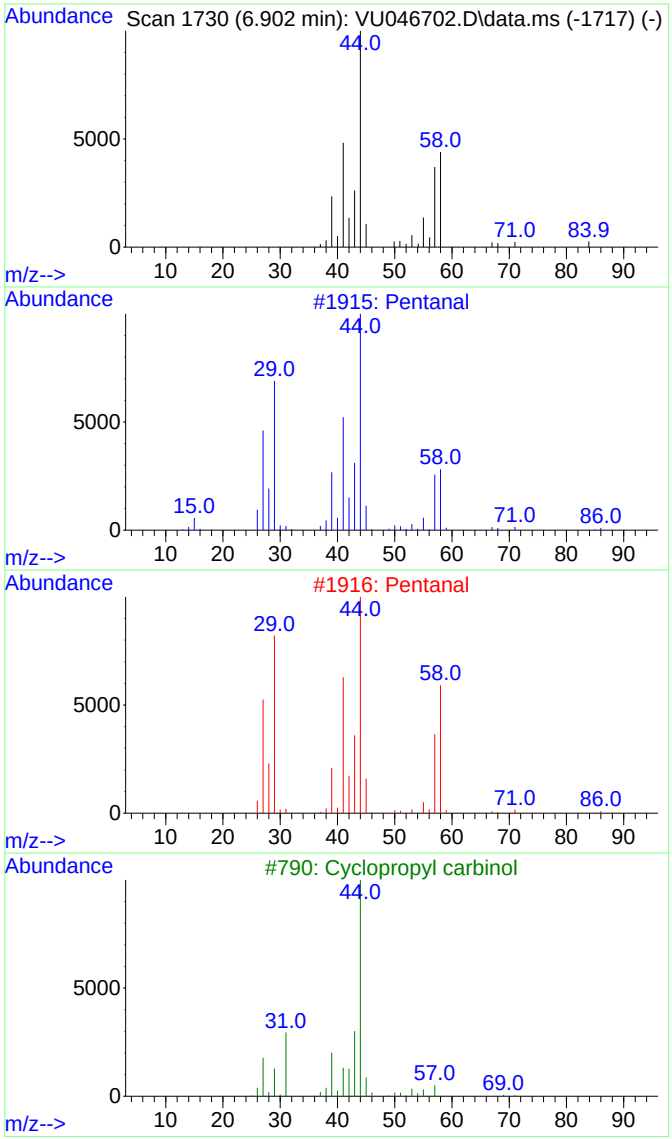
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

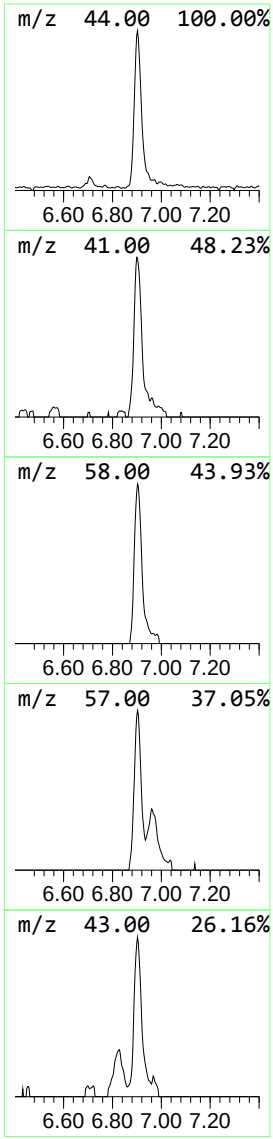
****

Peak Number 12 Pentanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.902	1.46 ug/L	54860	1,4-Difluorobenzene	6.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	78
2	Pentanal	86	C5H10O	000110-62-3	64
3	Cyclopropyl carbinol	72	C4H8O	002516-33-8	50
4	Pentanal	86	C5H10O	000110-62-3	43
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	28





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Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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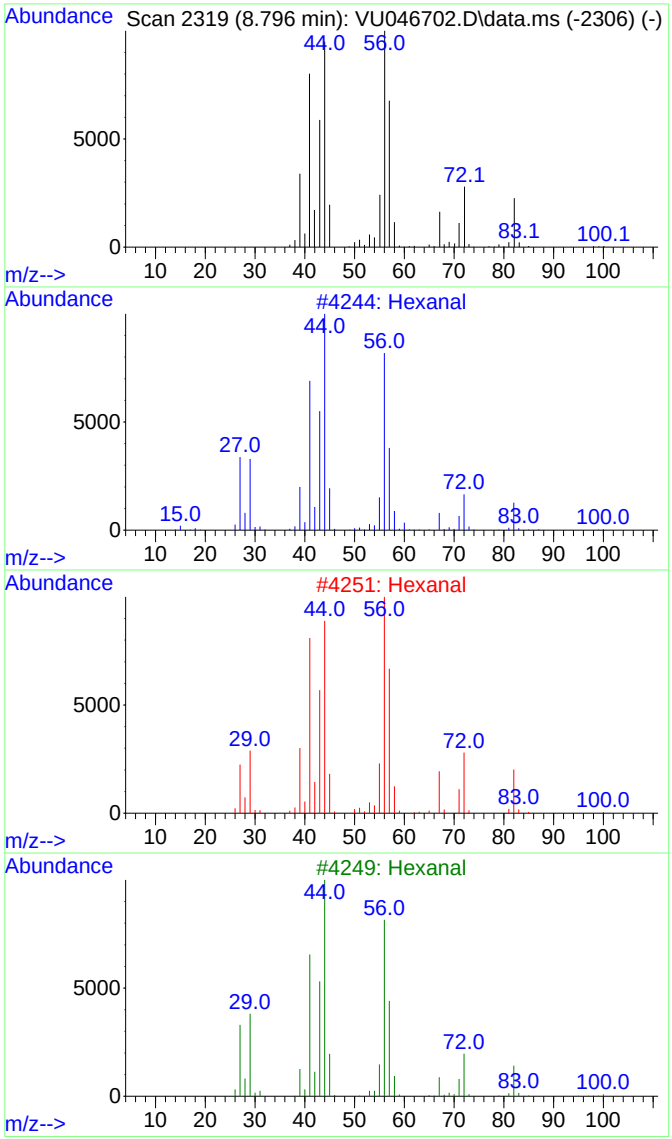
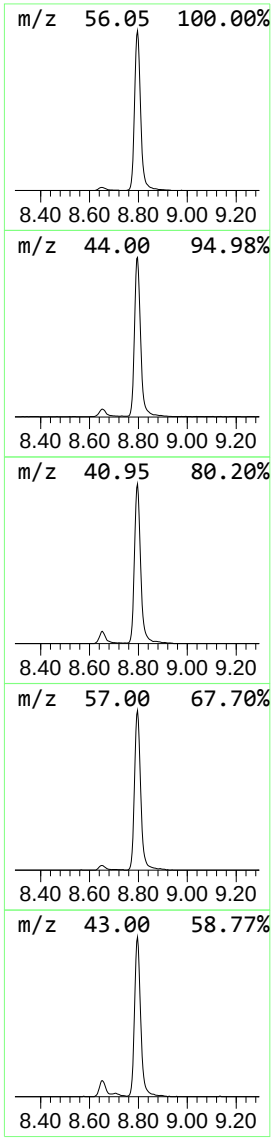
Peak Number 14 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.796	14.43 ug/L	727658	Chlorobenzene-d5	9.423

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	94
2	Hexanal	100	C6H12O	000066-25-1	94
3	Hexanal	100	C6H12O	000066-25-1	91
4	Hexanal	100	C6H12O	000066-25-1	83
5	Hexanal	100	C6H12O	000066-25-1	78





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Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

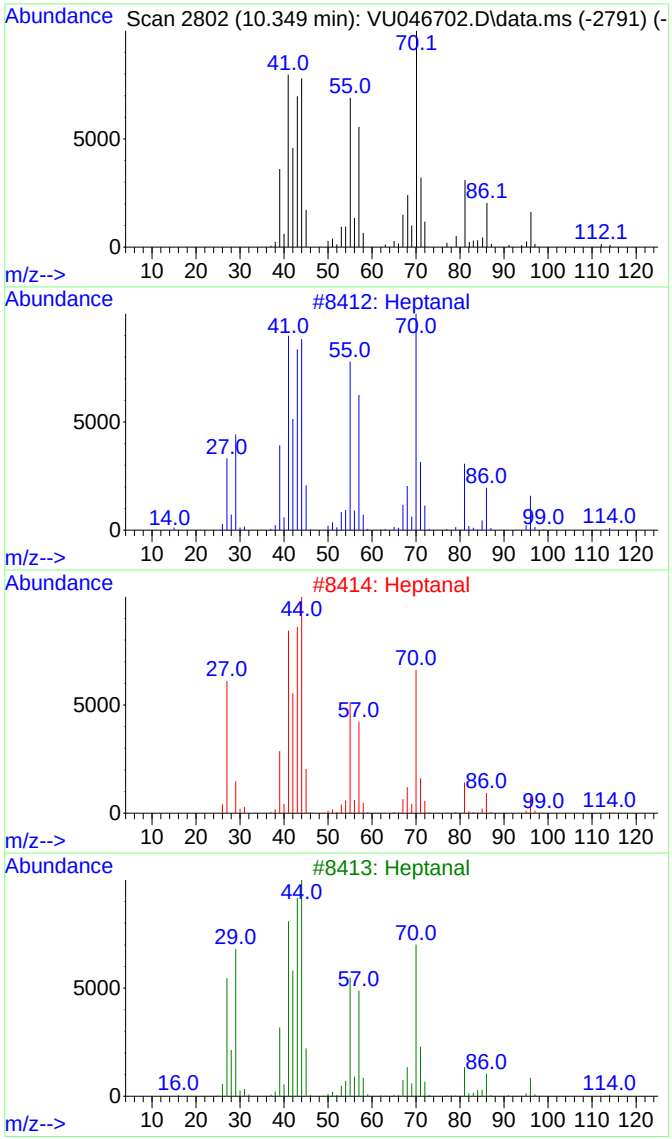
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

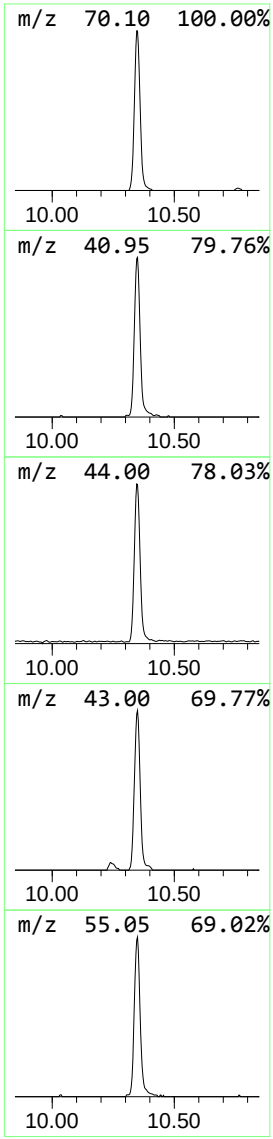
****

Peak Number 15 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.349	4.25 ug/L	214233	Chlorobenzene-d5	9.423

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	96
2	Heptanal	114	C7H14O	000111-71-7	95
3	Heptanal	114	C7H14O	000111-71-7	95
4	Heptanal	114	C7H14O	000111-71-7	58
5	Heptanal	114	C7H14O	000111-71-7	46





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Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

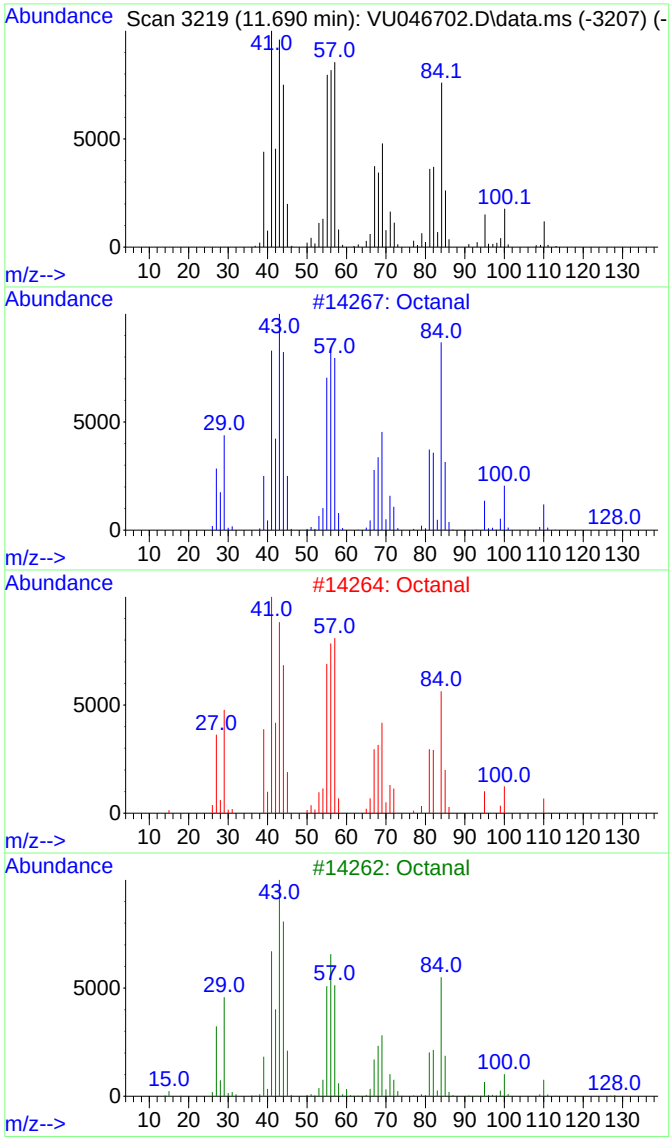
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

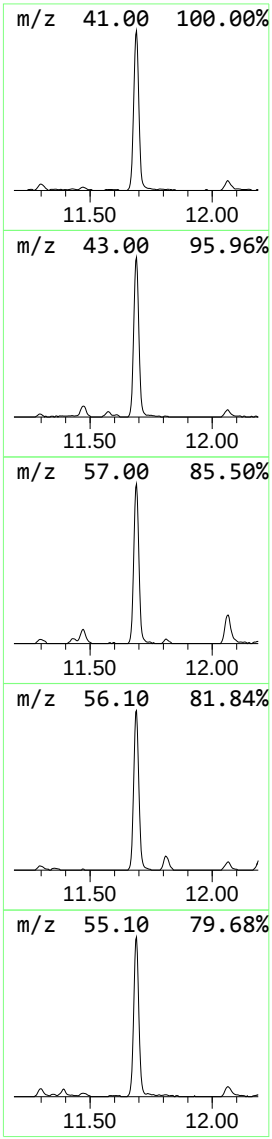
****

Peak Number 16 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.690	6.14 ug/L	376837	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	91
3	Octanal	128	C8H16O	000124-13-0	83
4	Octanal	128	C8H16O	000124-13-0	83
5	Octanal	128	C8H16O	000124-13-0	64





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Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

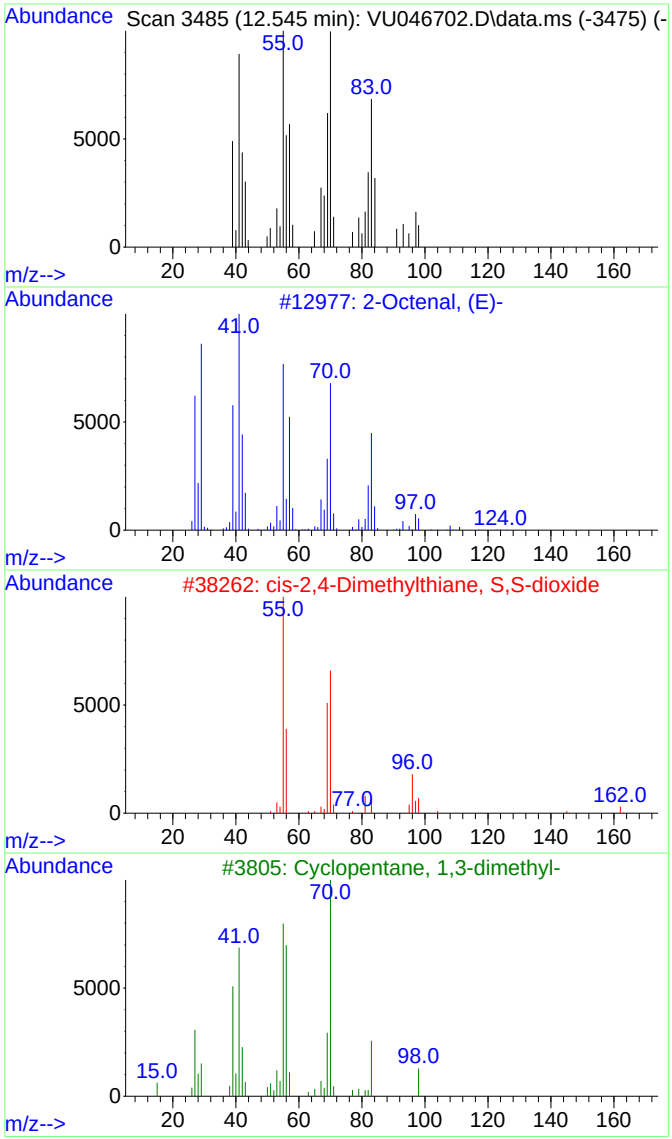
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

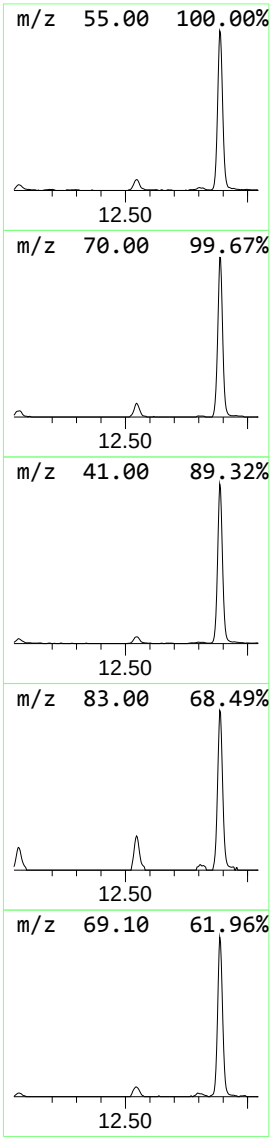
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2-Octenal, (E)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	0.55 ug/L	33938	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	64
2	cis-2,4-Dimethylthiane, S,S-dioxide	162	C7H14O2S	1000215-67-5	43
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	43
4	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	43
5	2-Hexenal, (E)-	98	C6H10O	006728-26-3	42





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Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

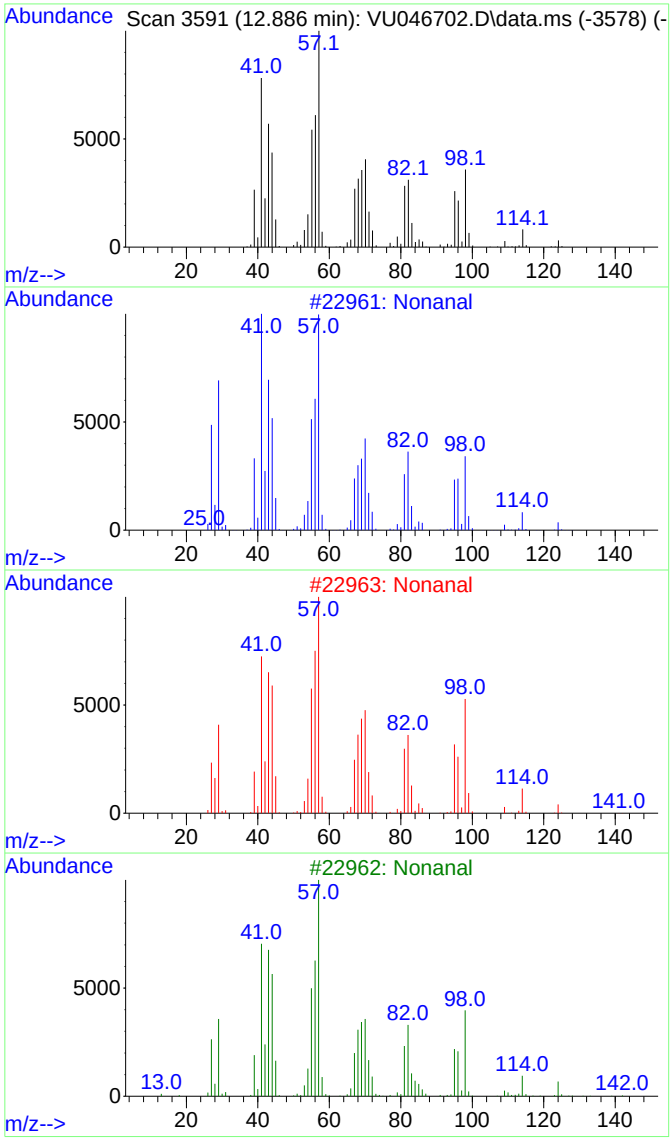
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

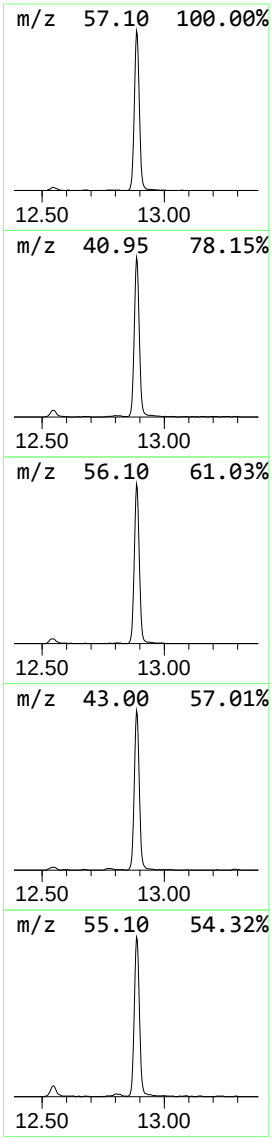
****

Peak Number 18 Nonanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.886	12.20 ug/L	748522	1,4-Dichlorobenzene-d4	11.812

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	86
4	Nonanal	142	C9H18O	000124-19-6	83
5	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	35





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Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

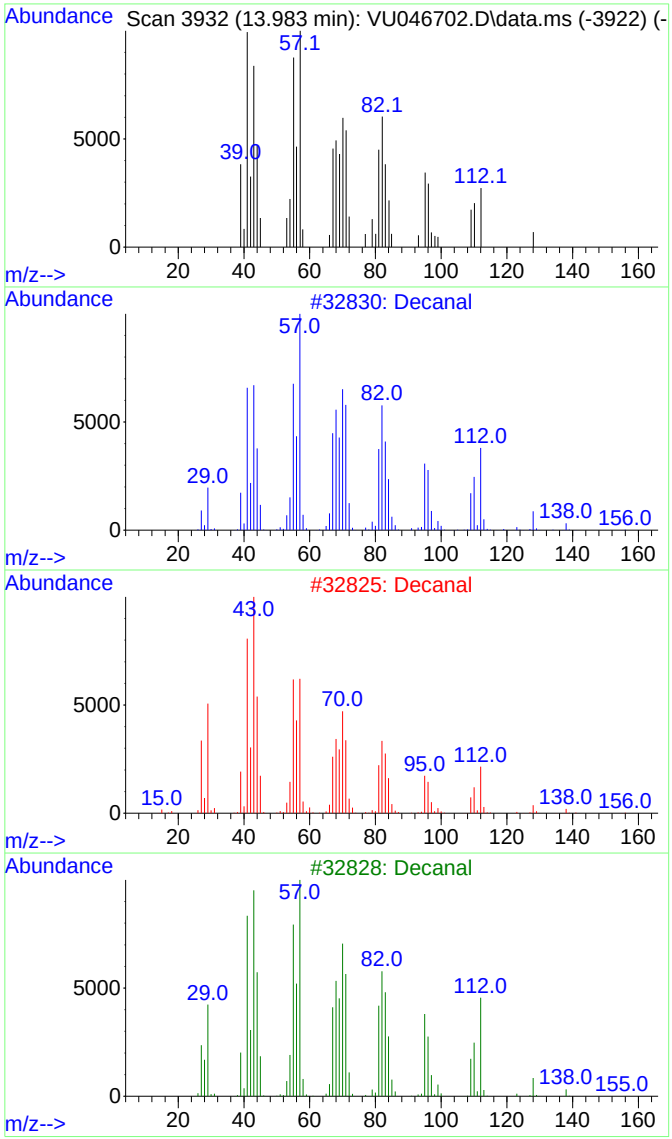
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

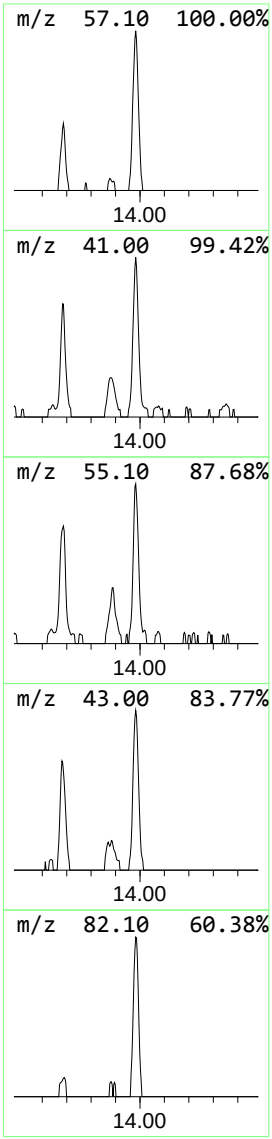
****

Peak Number 19 Decanal Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.983	0.68 ug/L	41781	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanal	156	C10H20O	000112-31-2	91
2	Decanal	156	C10H20O	000112-31-2	91
3	Decanal	156	C10H20O	000112-31-2	91
4	1,14-Tetradecanediol	230	C14H30O2	019812-64-7	46
5	Cycloheptanone	112	C7H12O	000502-42-1	35





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Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

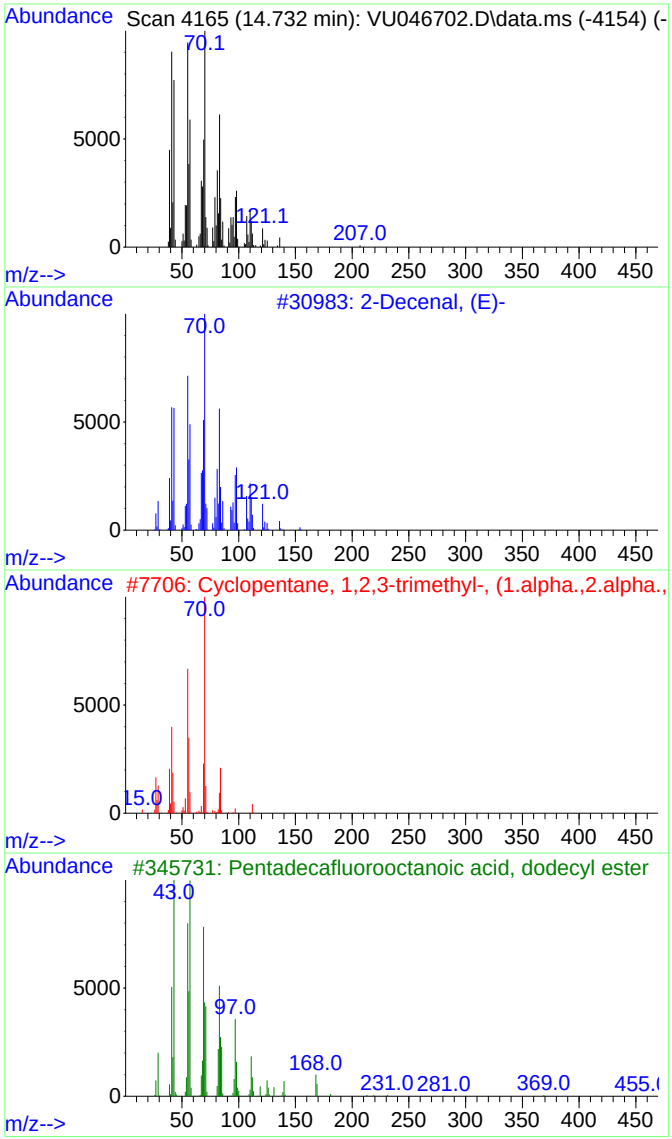
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

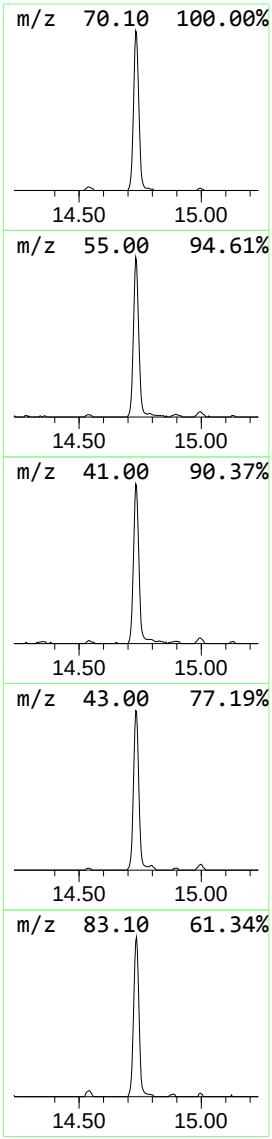
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 2-Decenal, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.732	4.38 ug/L	268951	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decenal, (E)-	154	C10H18O	003913-81-3	72
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	46
3	Pentadecafluorooctanoic acid, do...	582	C20H25F15O2	1000406-04-2	43
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	43
5	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

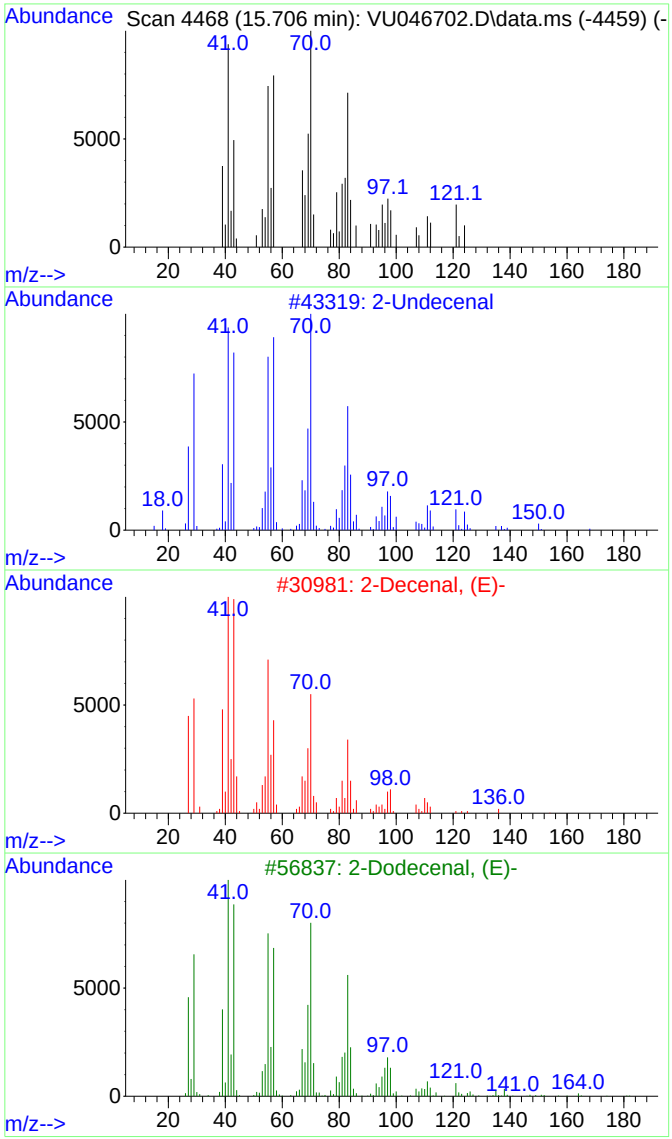
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

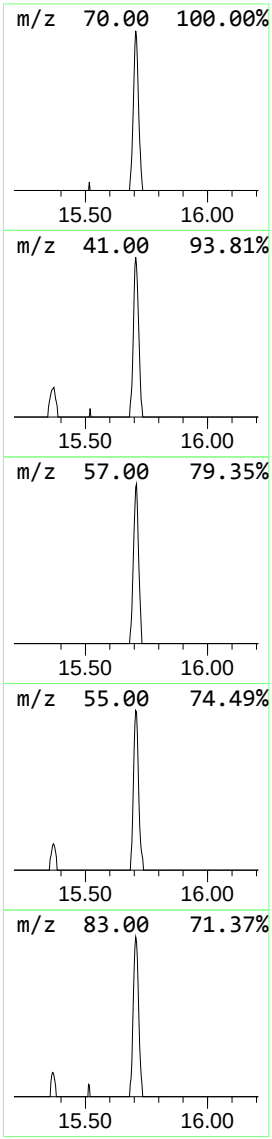
****

Peak Number 21 2-Undecenal Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.706	0.51 ug/L	30994	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecenal	168	C11H20O	002463-77-6	80
2	2-Decenal, (E)-	154	C10H18O	003913-81-3	59
3	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	59
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	38
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010822\
Data File : VU046702.D
Acq On : 08 Jan 2022 13:38
Operator : SY/MD
Sample : N1077-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXW0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.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...	1.359	23.8	ug/L	894860	1	6.263	187979	5.0
Sulfur dioxide	1.449	0.8	ug/L	28039	1	6.263	187979	5.0
(DEL) Alkane: S...	1.485	1.9	ug/L	71045	1	6.263	187979	5.0
(DEL) Alkane: S...	1.729	1.6	ug/L	60504	1	6.263	187979	5.0
(DEL) Alkane: S...	1.996	1.3	ug/L	48728	1	6.263	187979	5.0
(DEL) Alkane: C...	2.157	3.2	ug/L	118771	1	6.263	187979	5.0
(DEL) Alkane: S...	2.208	3.5	ug/L	131956	1	6.263	187979	5.0
(DEL) Alkane: C...	2.417	1.4	ug/L	52220	1	6.263	187979	5.0
1,3-Cyclopentad...	2.854	0.5	ug/L	19918	1	6.263	187979	5.0
(DEL) Alkane: C...	2.967	0.6	ug/L	22431	1	6.263	187979	5.0
(DEL) Alkane: S...	3.568	1.3	ug/L	49837	1	6.263	187979	5.0
Pentanal	6.902	1.5	ug/L	54860	1	6.263	187979	5.0
Hexanal	8.796	14.4	ug/L	727658	2	9.423	252172	5.0
Heptanal	10.349	4.3	ug/L	214233	2	9.423	252172	5.0
Octanal	11.690	6.1	ug/L	376837	3	11.812	306736	5.0
2-Octenal, (E)-	12.545	0.6	ug/L	33938	3	11.812	306736	5.0
Nonanal	12.886	12.2	ug/L	748522	3	11.812	306736	5.0
Decanal	13.983	0.7	ug/L	41781	3	11.812	306736	5.0
2-Decenal, (E)-	14.732	4.4	ug/L	268951	3	11.812	306736	5.0
2-Undecenal	15.706	0.5	ug/L	30994	3	11.812	306736	5.0