LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

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_V\Method\SFAMVTR121323WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV033302.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	8	14	31	rVB	796934	749418	97.93%	10.280%
2	1.192	40	47	60	rVB	164944	151394	19.78%	2.077%
3	1.278	64	74	86	rBV3	303857	413389	54.02%	5.671%
4	1.388	103	108	117	rVB	22875	25985	3.40%	0.356%
5	1.532	142	153	165	rVV2	54828	70778	9.25%	0.971%
6	1.600	165	174	188	rVB	79631	99993	13.07%	1.372%
7	1.728	205	214	219	rBV	38247	48281	6.31%	0.662%
8	1.767	219	226	246	rVB3	72880	121114	15.83%	1.661%
9	1.937	264	279	286	rBV3	13254	19859	2.60%	0.272%
10	2.060	303	317	331	rBV	100686	151421	19.79%	2.077%
11	2.153	331	346	365	rVB8	8533	24215	3.16%	0.332%
12	2.243	365	374	383	rBV	6611	10105	1.32%	0.139%
13	2.388	409	419	429	rBV8	6482	16129	2.11%	0.221%
14	2.471	429	445	453	rVV3	21886	50984	6.66%	0.699%
15	2.516	453	459	475	rVB4	13458	24929	3.26%	0.342%
16	2.883	562	573	588	rVV3	13402	29519	3.86%	0.405%
17	2.970	588	600	621	rVB2	22086	45565	5.95%	0.625%
18	3.671	803	818	837	rBV3	19957	51194	6.69%	0.702%
19	3.815	847	863	900	rBV4	58577	204487	26.72%	2.805%
20	3.989	908	917	944	rVB4	10602	31028	4.05%	0.426%
21	4.252	981	999	1029	rBV3	90295	282635	36.93%	3.877%
22	4.580	1085	1101	1118	rBV3	18747	47773	6.24%	0.655%
23	4.825	1159	1177	1188	rBV6	6063	15626	2.04%	0.214%
24	4.957	1201	1218	1233	rBV3	172140	451544	59.01%	6.194%
25	5.233	1293	1304	1305	rBV4	8091	9492	1.24%	0.130%
26	5.410	1348	1359	1372	rBV5	8217	17933	2.34%	0.246%
27	5.535	1384	1398	1425	rBV2	133264	283740	37.08%	3.892%
28	5.841	1482	1493	1511	rVB5	12224	28248	3.69%	0.387%
29	5.989	1527	1539	1550	rBV2	89309	188120	24.58%	2.581%
30	6.050	1552	1558	1572	rVB4	29134	59038	7.71%	0.810%
31	6.301	1623	1636	1659	rBV2	133253	267694	34.98%	3.672%
32	6.918	1816	1828	1845	rBV	41476	79546	10.39%	1.091%
33	7.191	1898	1913	1918	rBV8	7523	15176	1.98%	0.208%
34	7.243	1919	1929	1942	rVV	220219	396476	51.81%	5.439%
35	7.313	1942	1951	1977	rVB	430793	765237	100.00%	10.497%
36	7.558	2018	2027	2047	rVB2	24838	53444	6.98%	0.733%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
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Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

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_V\Method\SFAMVTR121323WMA.M
Title : TRACE VOA SFAM1.0

37	7.908	2131	2136	2147	rVB4	7440	12141	1.59%	0.167%
38	8.027	2158	2173	2200	rBV	151688	305150	39.88%	4.186%
39	8.246	2237	2241	2261	rVB4	12408	25243	3.30%	0.346%
40	8.786	2398	2409	2428	rBV	204409	345157	45.10%	4.735%
41	8.950	2450	2460	2473	rBV	56615	91915	12.01%	1.261%
42	9.075	2490	2499	2515	rVB	59822	102861	13.44%	1.411%
43	9.493	2612	2629	2653	rBV3	45714	115391	15.08%	1.583%
44	9.870	2736	2746	2757	rVB2	6470	10114	1.32%	0.139%
45	10.153	2824	2834	2855	rBV	63196	103468	13.52%	1.419%
46	10.294	2869	2878	2885	rBV2	7411	11660	1.52%	0.160%
47	10.387	2898	2907	2922	rBV	15306	31830	4.16%	0.437%
48	10.481	2922	2936	2946	rVB3	10806	19072	2.49%	0.262%
49	10.680	2987	2998	3008	rBV3	8165	12786	1.67%	0.175%
50	10.854	3042	3052	3066	rBV	34124	52609	6.87%	0.722%
51	11.188	3145	3156	3175	rBV	216359	343433	44.88%	4.711%
52	11.275	3175	3183	3200	rVB	14454	23035	3.01%	0.316%
53	11.561	3262	3272	3290	rVB	212548	348849	45.59%	4.785%
54	12.410	3527	3536	3546	rVB3	6367	9933	1.30%	0.136%
55	12.821	3653	3664	3675	rVB4	10190	15672	2.05%	0.215%
56	13.451	3848	3860	3866	rBV2	4863	8022	1.05%	0.110%

Sum of corrected areas: 7289850

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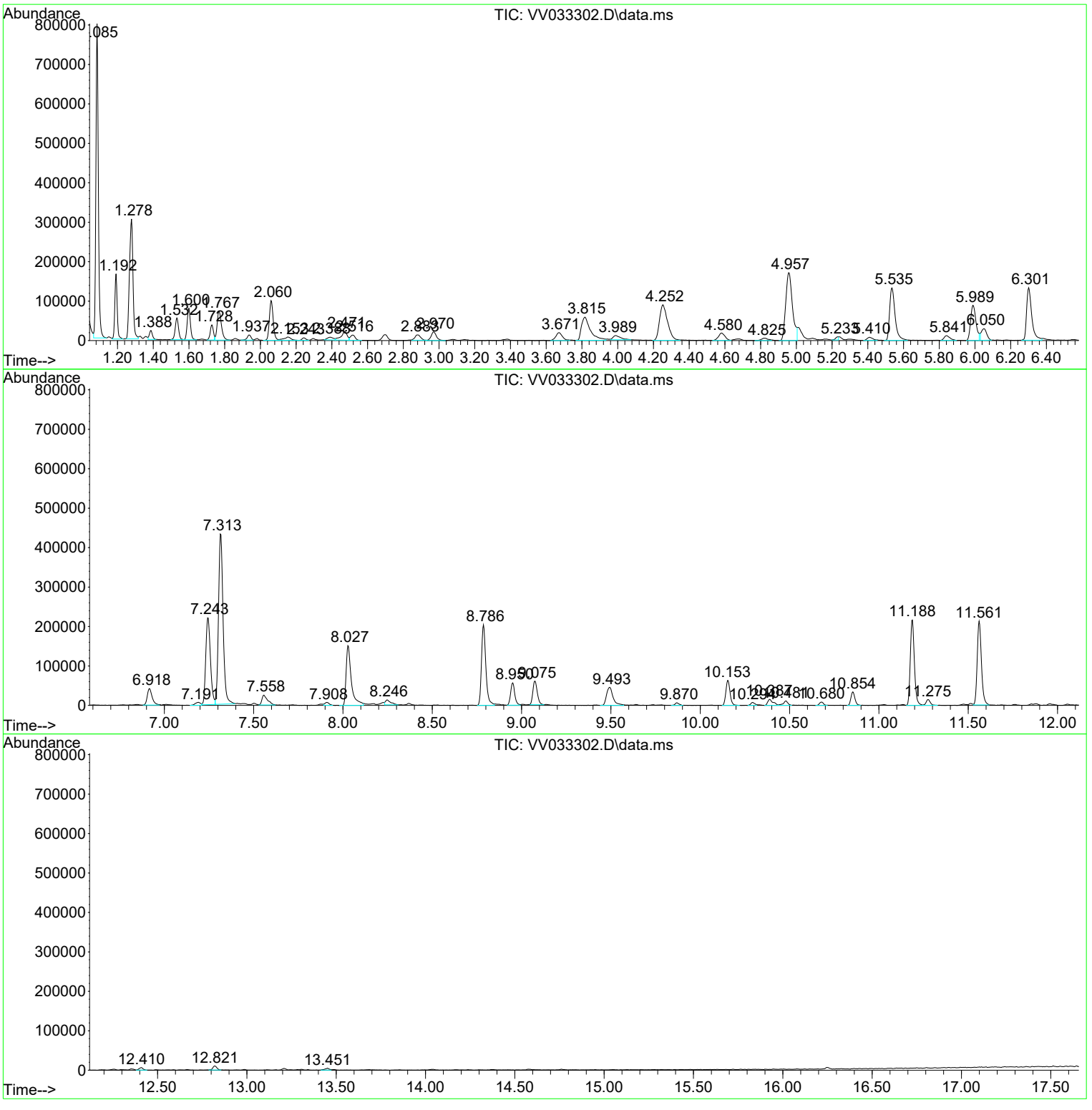
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

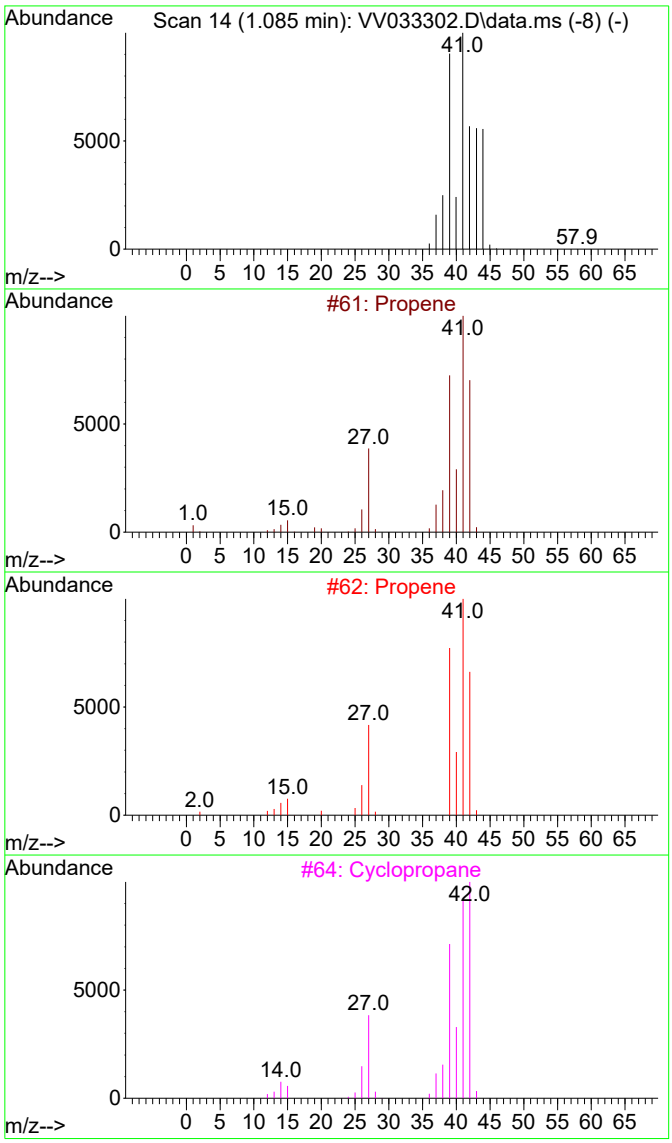
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

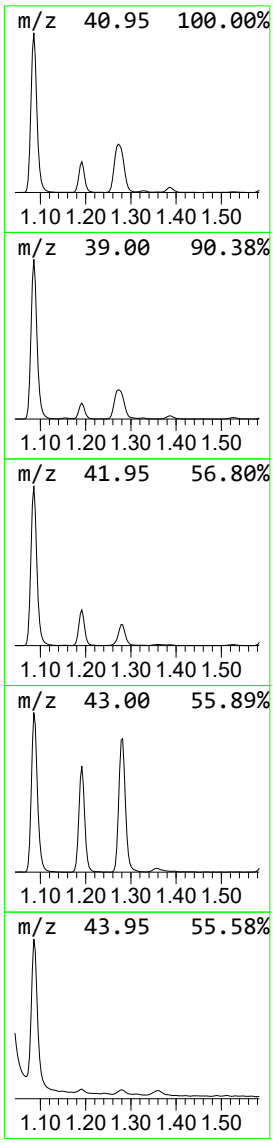
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.085	13.21 ug/L	749418	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	59
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropane	42	C3H6	000075-19-4	7
4	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	4
5	Cyclobutylamine	71	C4H9N	002516-34-9	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

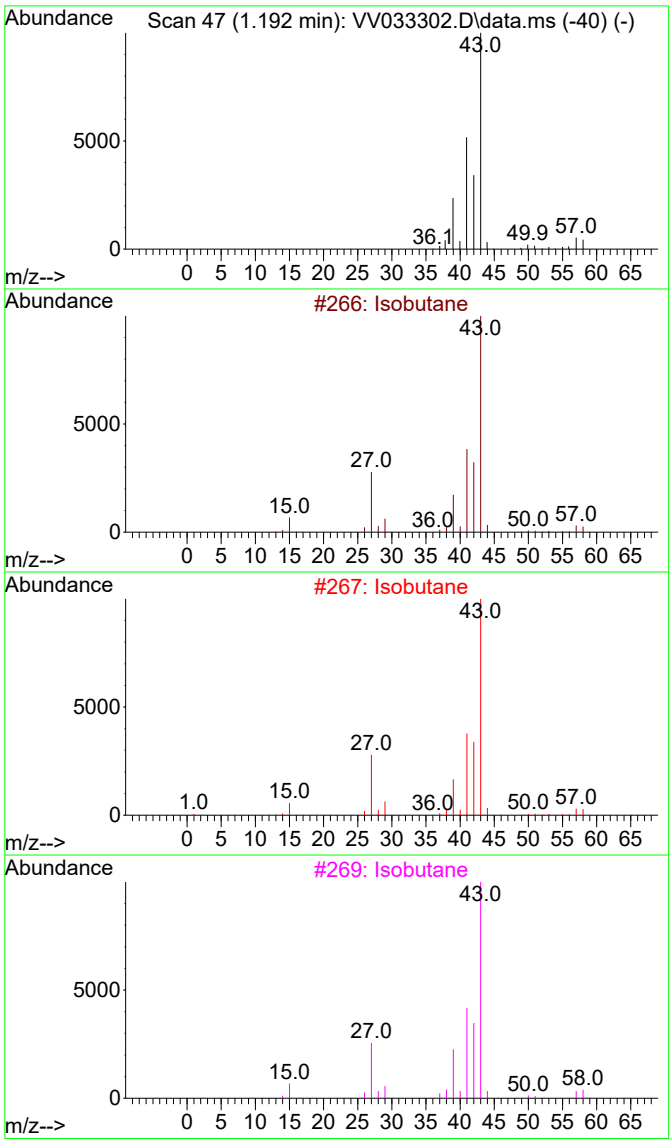
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

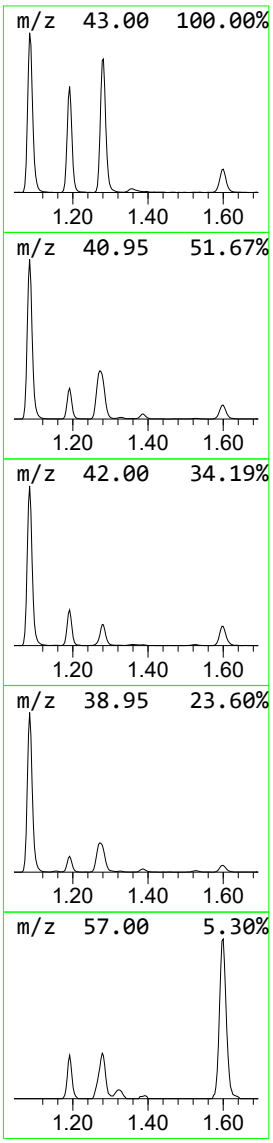
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.192	2.67 ug/L	151394	1,4-Difluorobenzene	5.535

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_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

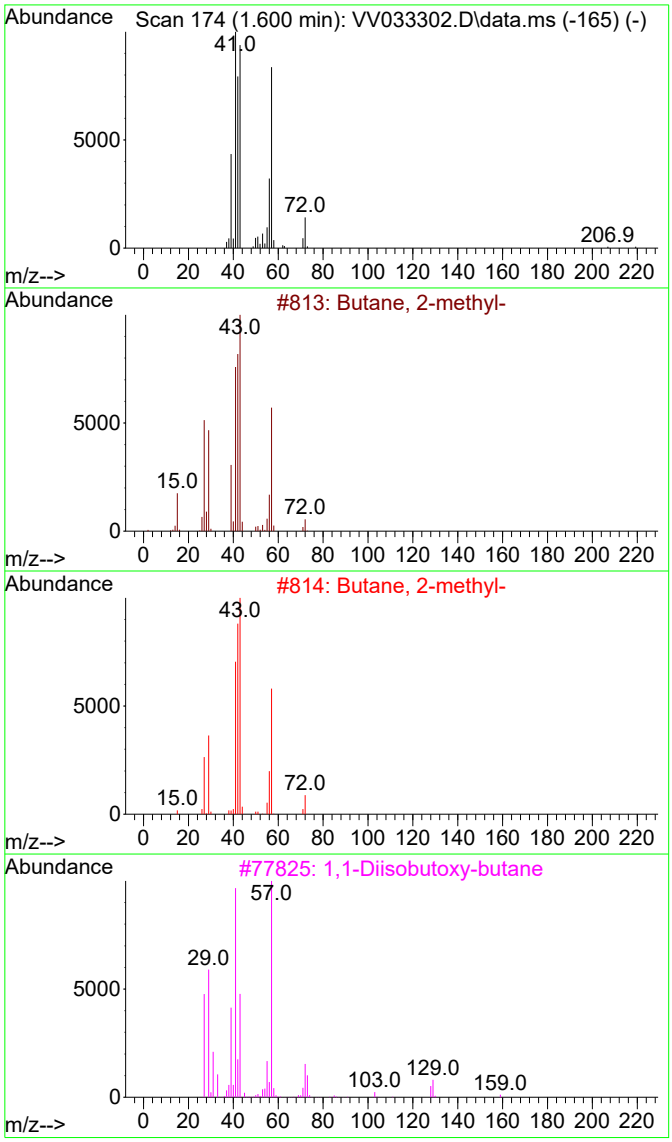
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

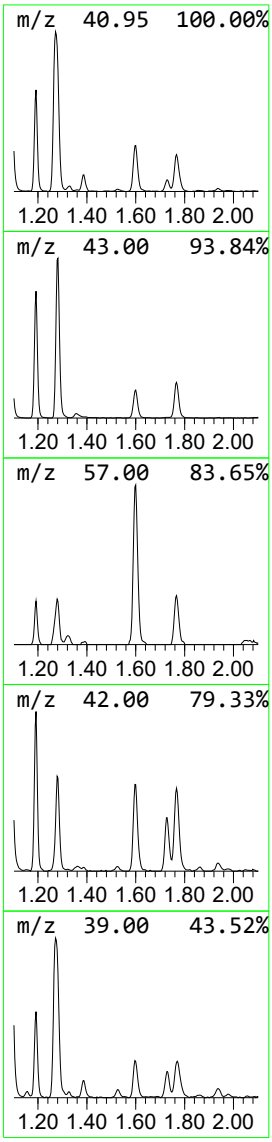
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.600	1.76 ug/L	99993	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	59
2	Butane, 2-methyl-	72	C5H12	000078-78-4	59
3	1,1-Diisobutoxy-butane	202	C12H26O2	013002-16-9	38
4	Pentane	72	C5H12	000109-66-0	38
5	3-Buten-1-ol	72	C4H8O	000627-27-0	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

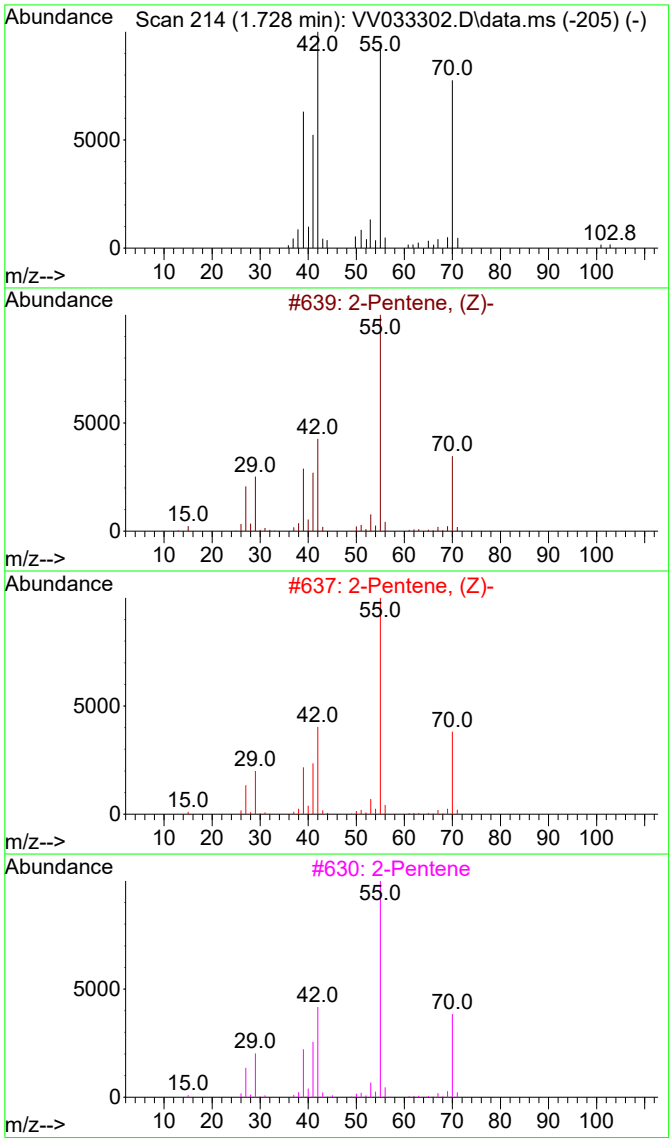
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

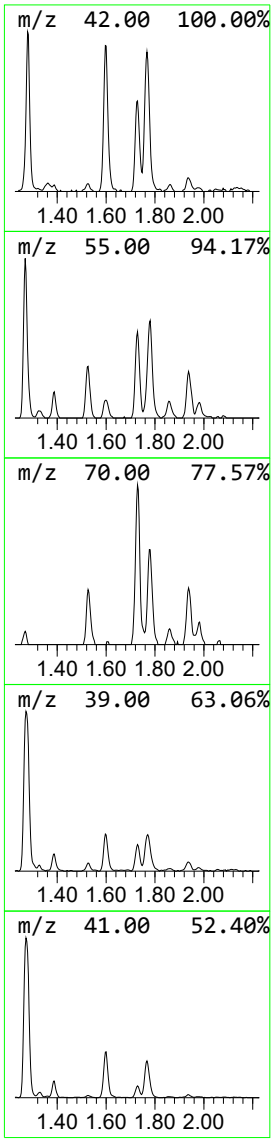
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.728	0.85 ug/L	48281	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
3	2-Pentene	70	C5H10	000109-68-2	86
4	2(3H)-Furanone, dihydro-3,5-dime...	114	C6H10O2	005145-01-7	78
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

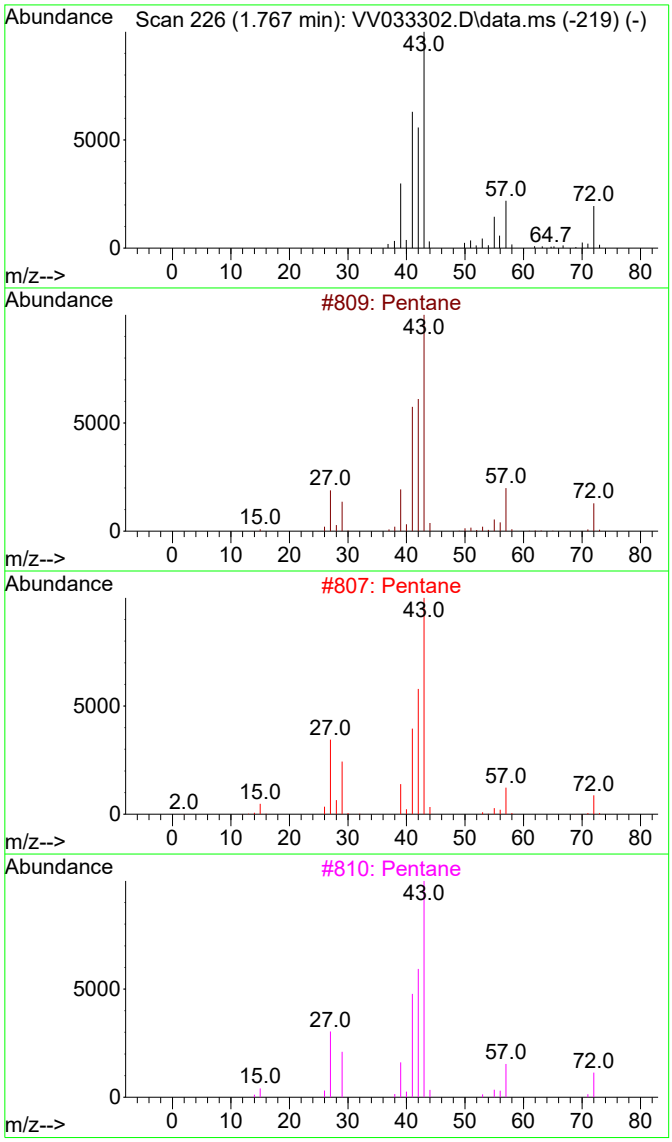
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

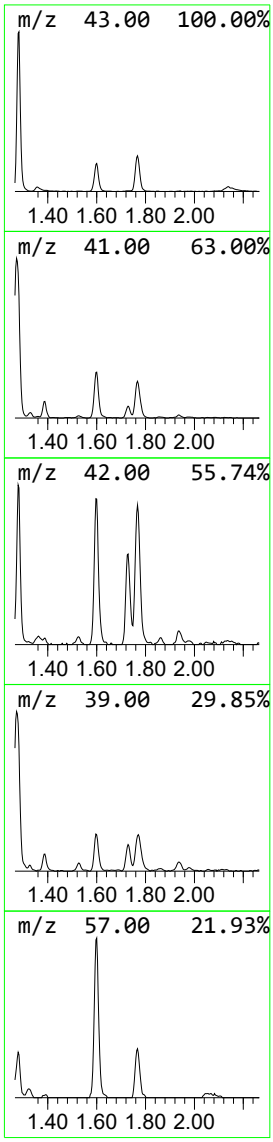
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.767	2.13 ug/L	121114	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	78
2	Pentane	72	C5H12	000109-66-0	72
3	Pentane	72	C5H12	000109-66-0	72
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	58
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

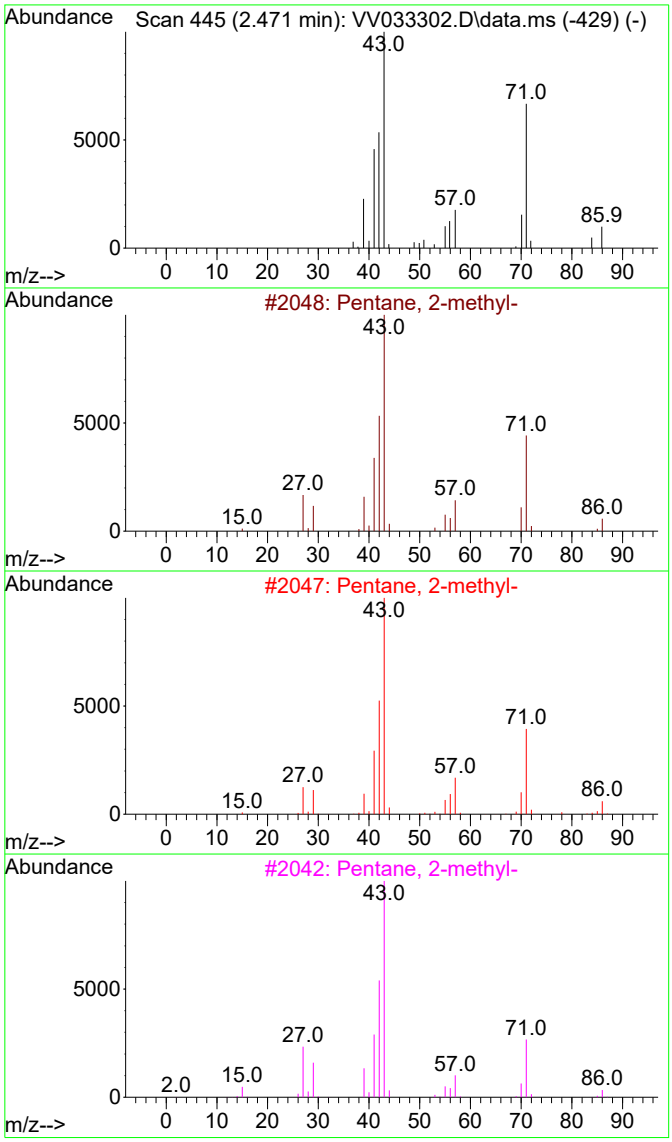
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

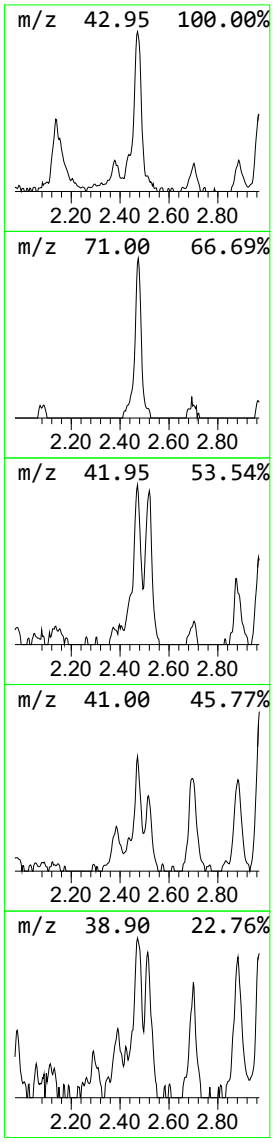
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.471	0.90 ug/L	50984	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
5	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	47





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ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

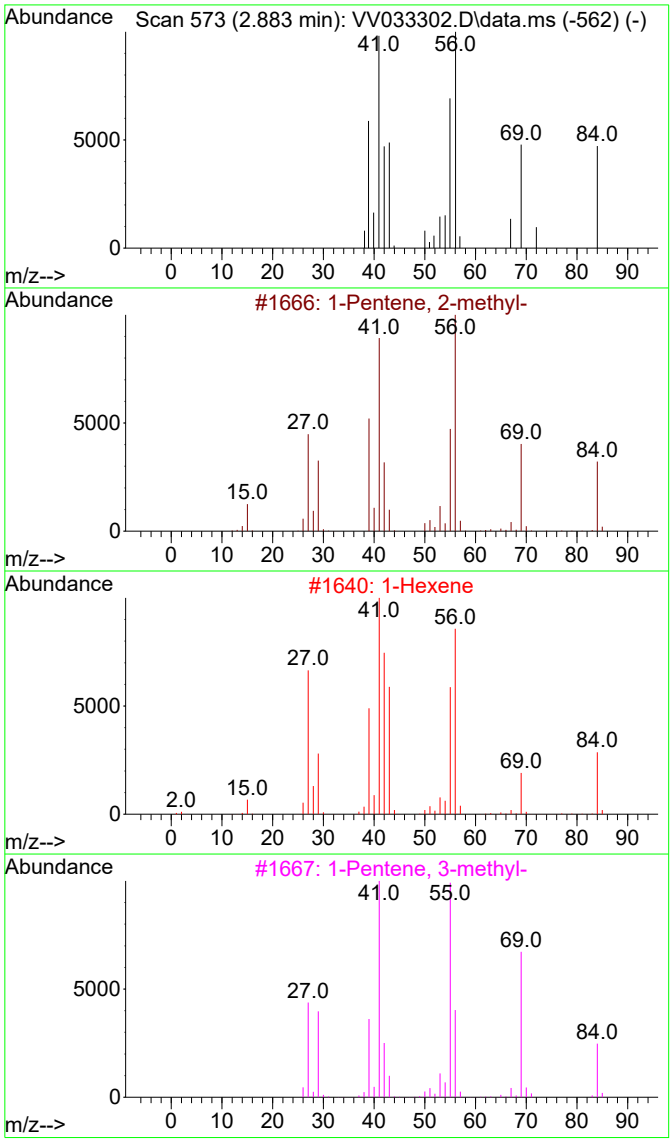
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

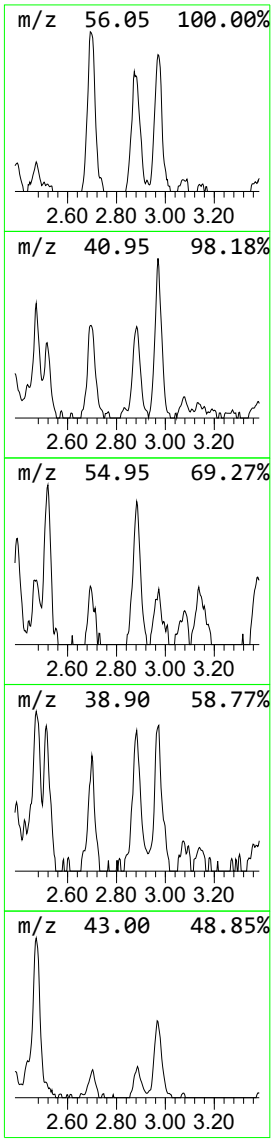
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.883	0.52 ug/L	29519	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	90
2	1-Hexene	84	C6H12	000592-41-6	59
3	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	53
4	3-Hexene, (Z)-	84	C6H12	007642-09-3	52
5	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

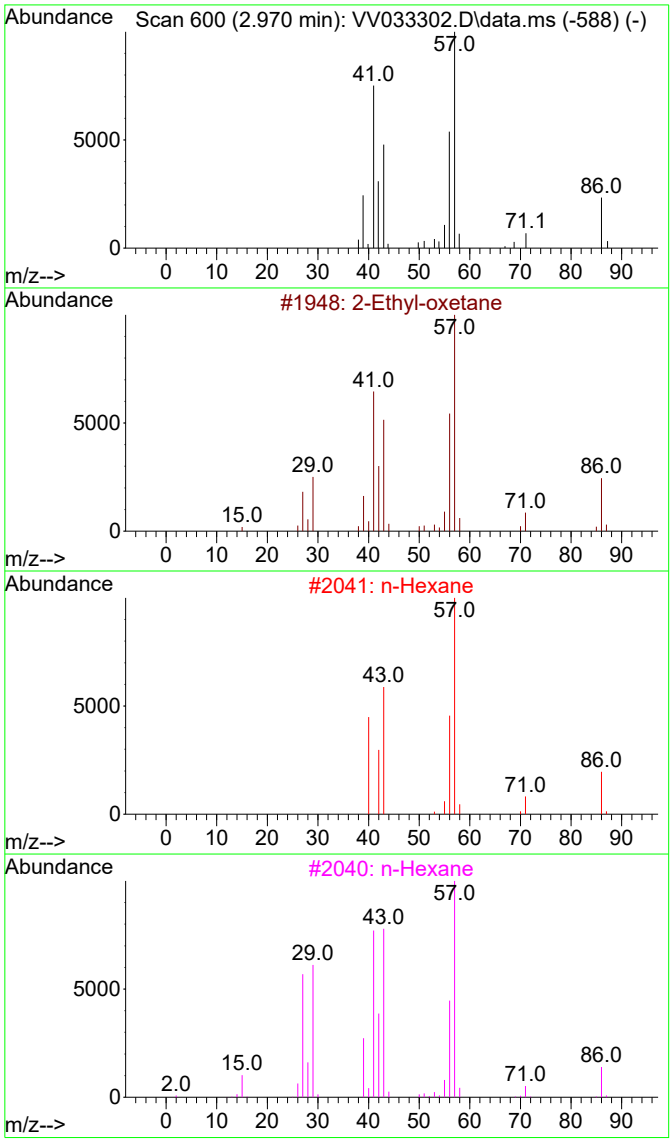
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

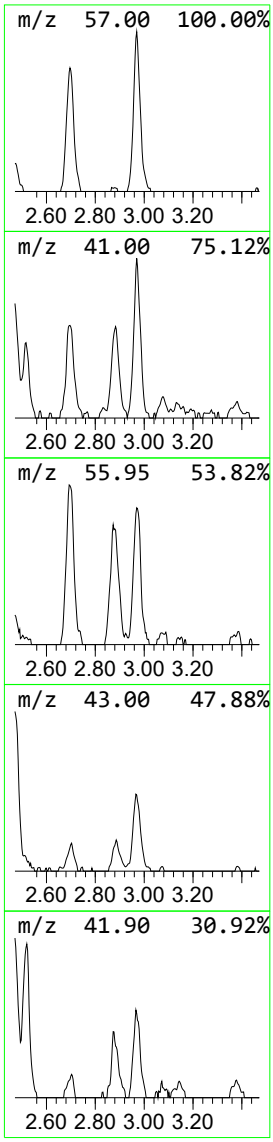
****

Peak Number 8 2-Ethyl-oxetane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.970	0.80 ug/L	45565	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	91
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	72
4	n-Hexane	86	C6H14	000110-54-3	72
5	n-Hexane	86	C6H14	000110-54-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

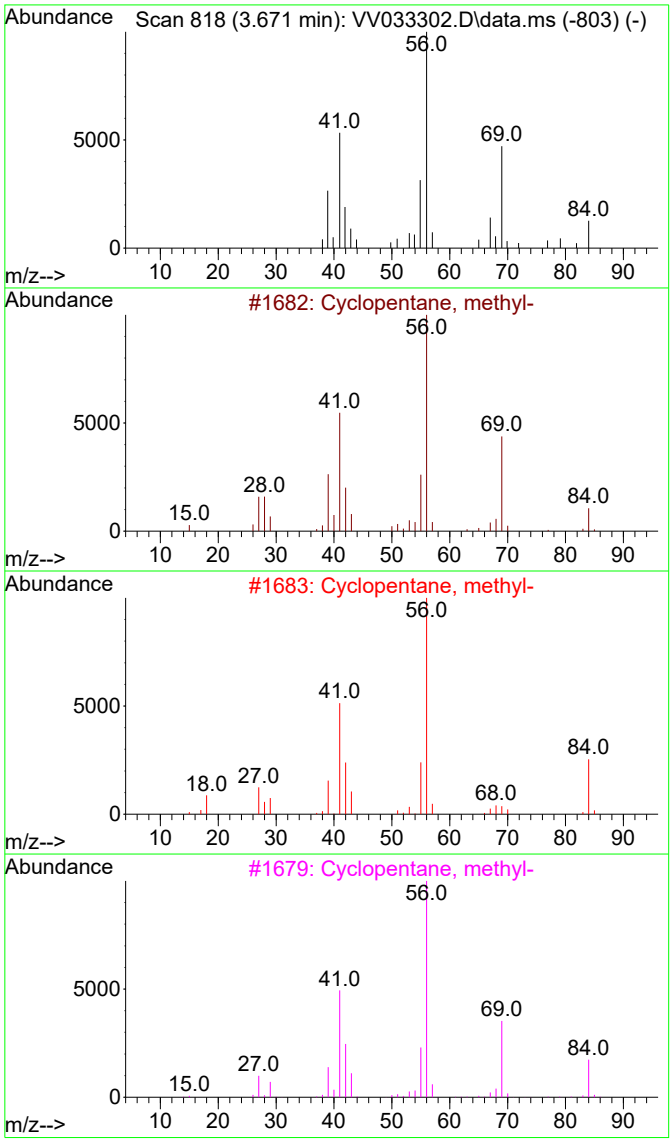
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

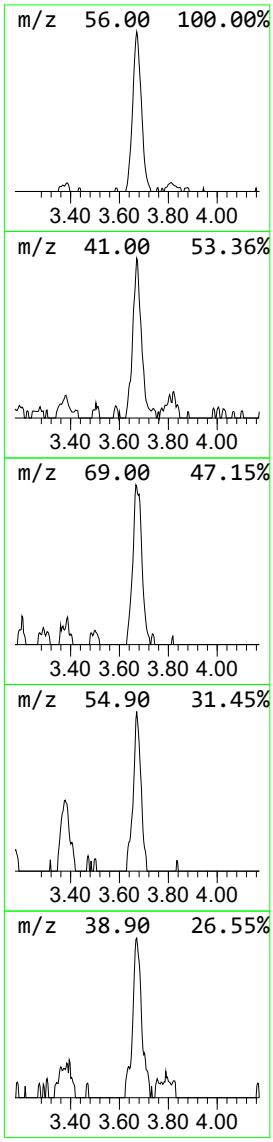
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic3.671 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.671	0.90 ug/L	51194	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	59
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	59
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

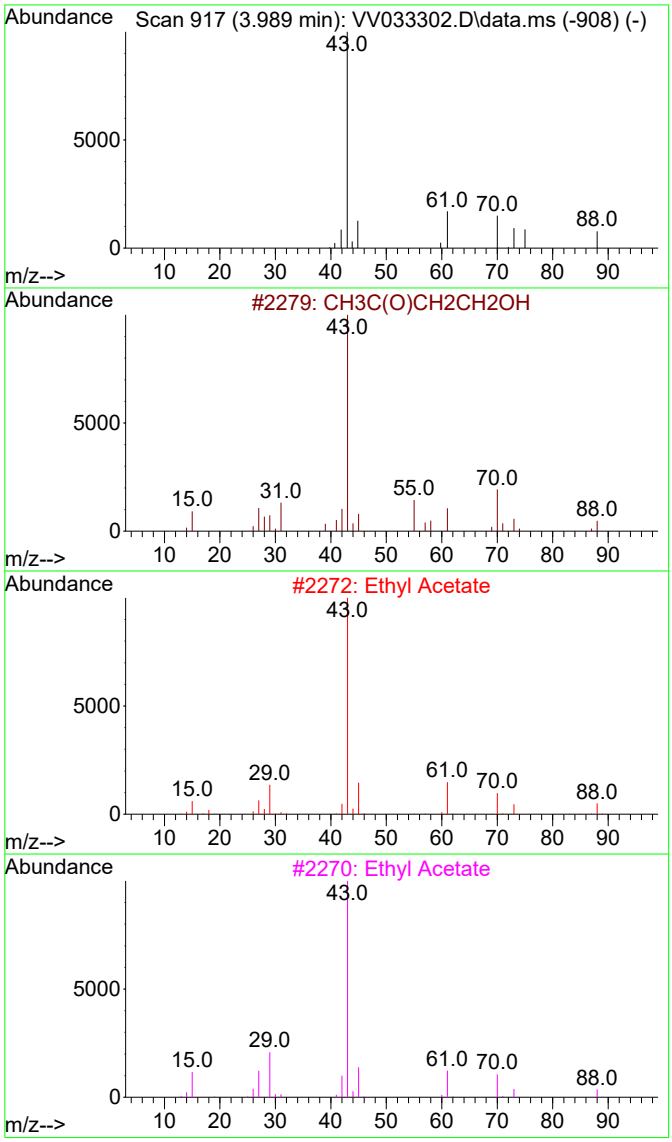
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

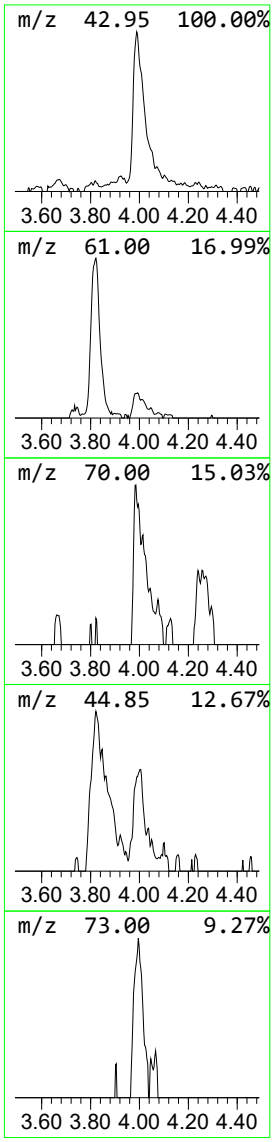
****

Peak Number 10 Ethyl Acetate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.989	0.55 ug/L	31028	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	86
2	Ethyl Acetate	88	C4H8O2	000141-78-6	78
3	Ethyl Acetate	88	C4H8O2	000141-78-6	78
4	Ethyl Acetate	88	C4H8O2	000141-78-6	78
5	Ethyl Acetate	88	C4H8O2	000141-78-6	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0

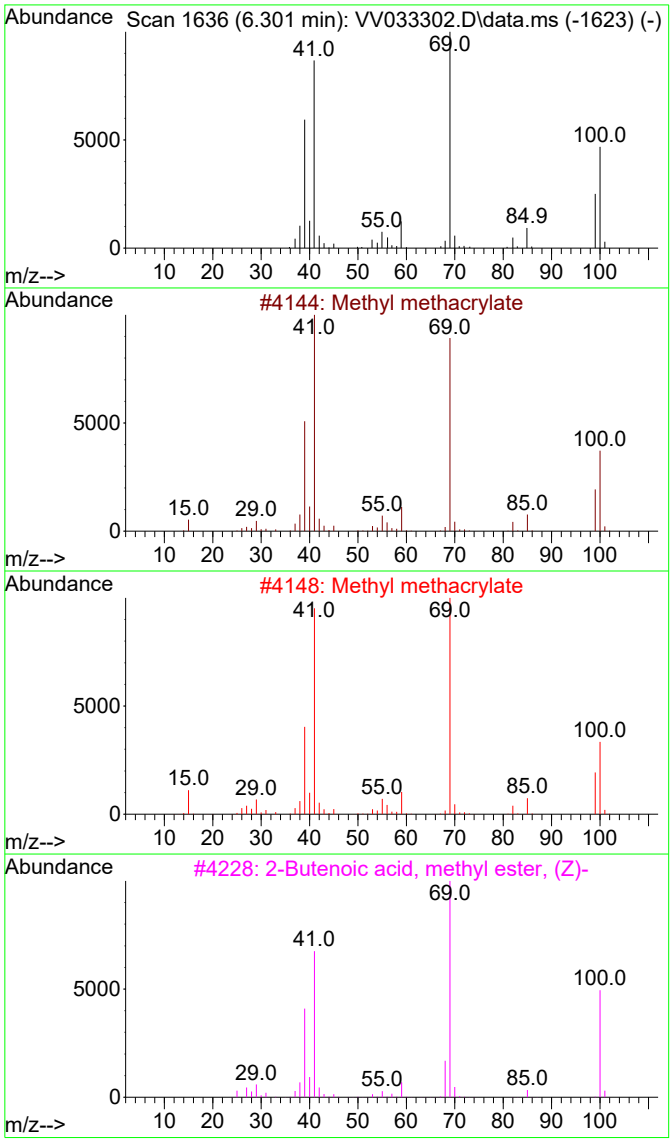
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

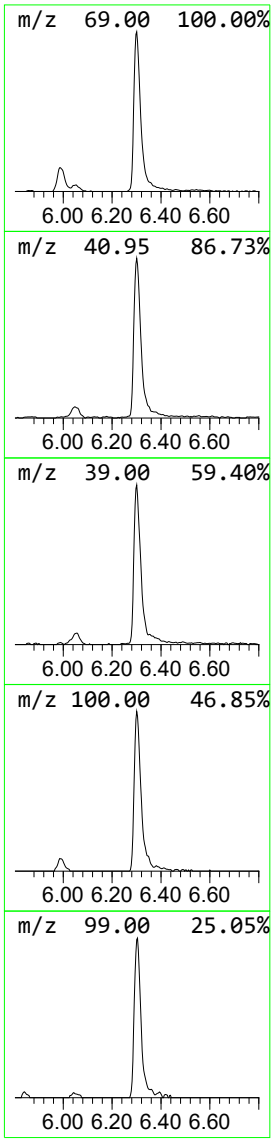
****

Peak Number 11 Methyl methacrylate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.301	4.72 ug/L	267694	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl methacrylate	100	C5H8O2	000080-62-6	97
2	Methyl methacrylate	100	C5H8O2	000080-62-6	76
3	2-Butenoic acid, methyl ester, (Z)-	100	C5H8O2	004358-59-2	72
4	Methyl methacrylate	100	C5H8O2	000080-62-6	72
5	Methyl methacrylate	100	C5H8O2	000080-62-6	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033302.D
Acq On : 14 Dec 2023 01:56
Operator : SY/MD
Sample : 05770-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y74

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.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...	1.085	13.2	ug/L	749418	1	5.535	283740	5.0
(DEL) Alkane: S...	1.192	2.7	ug/L	151394	1	5.535	283740	5.0
(DEL) Alkane: S...	1.600	1.8	ug/L	99993	1	5.535	283740	5.0
(DEL) Alkane: S...	1.728	0.8	ug/L	48281	1	5.535	283740	5.0
(DEL) Alkane: S...	1.767	2.1	ug/L	121114	1	5.535	283740	5.0
(DEL) Alkane: S...	2.471	0.9	ug/L	50984	1	5.535	283740	5.0
(DEL) Alkane: S...	2.883	0.5	ug/L	29519	1	5.535	283740	5.0
2-Ethyl-oxetane	2.970	0.8	ug/L	45565	1	5.535	283740	5.0
(DEL) Alkane: C...	3.671	0.9	ug/L	51194	1	5.535	283740	5.0
Ethyl Acetate	3.989	0.6	ug/L	31028	1	5.535	283740	5.0
Methyl methacry...	6.301	4.7	ug/L	267694	1	5.535	283740	5.0