LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

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\SFAMVTR092923WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV032516.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.278	66	74	87	rBV	58537	61842	5.84%	0.866%
2	1.532	145	153	165	rBV	46937	56722	5.36%	0.794%
3	1.597	165	173	186	rBV	60233	78431	7.41%	1.098%
4	1.764	218	225	241	rVB	38571	53707	5.07%	0.752%
5	1.857	244	254	267	rBV	16946	25998	2.46%	0.364%
6	1.937	271	279	285	rVV	9245	13675	1.29%	0.191%
7	1.979	285	292	304	rVB	16054	24499	2.31%	0.343%
8	2.060	307	317	334	rBV	74012	112520	10.63%	1.575%
9	2.178	344	354	362	rVB4	5238	10705	1.01%	0.150%
10	2.452	423	439	451	rBV5	18544	57037	5.39%	0.799%
11	2.516	452	459	474	rVB2	19444	36827	3.48%	0.516%
12	2.696	504	515	530	rVB2	10671	22480	2.12%	0.315%
13	2.966	587	599	614	rBV6	6330	13500	1.27%	0.189%
14	3.670	806	818	838	rVB3	23158	58049	5.48%	0.813%
15	3.805	851	860	895	rBV2	42614	142185	13.43%	1.991%
16	4.252	982	999	1021	rBV2	55730	148803	14.05%	2.083%
17	4.587	1086	1103	1118	rBV4	13253	34536	3.26%	0.484%
18	4.960	1204	1219	1238	rBV3	128580	335119	31.65%	4.692%
19	5.538	1387	1399	1414	rBV	109709	231271	21.84%	3.238%
20	5.992	1528	1540	1554	rBV2	78559	168856	15.95%	2.364%
21	6.918	1817	1828	1850	rBV	33840	73598	6.95%	1.030%
22	7.246	1920	1930	1942	rBV	134508	254341	24.02%	3.561%
23	7.317	1942	1952	1982	rVB	566897	1058925	100.00%	14.826%
24	7.561	2019	2028	2042	rBV2	20540	39760	3.75%	0.557%
25	7.879	2114	2127	2137	rBV2	11922	22680	2.14%	0.318%
26	8.030	2161	2174	2211	rBV	205893	434053	40.99%	6.077%
27	8.789	2398	2410	2428	rBV	183968	326223	30.81%	4.567%
28	8.950	2449	2460	2478	rBV	204312	341171	32.22%	4.777%
29	9.075	2486	2499	2525	rBV	606645	1000611	94.49%	14.010%
30	9.480	2612	2625	2643	rBV	233771	383333	36.20%	5.367%
31	9.873	2736	2747	2757	rBV2	9901	16001	1.51%	0.224%
32	10.156	2825	2835	2852	rBV	66132	106977	10.10%	1.498%
33	10.294	2869	2878	2883	rBV	20237	30954	2.92%	0.433%
34	10.329	2884	2889	2898	rVV2	20597	30120	2.84%	0.422%
35	10.387	2898	2907	2926	rVV	67375	148761	14.05%	2.083%
36	10.480	2927	2936	2948	rVB2	31866	50020	4.72%	0.700%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C0AF4DL2

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\SFAMVTR092923WMA.M
Title : TRACE VOA SFAM1.0

37	10.680	2983	2998	3012	rBV	35094	57451	5.43%	0.804%
38	10.853	3040	3052	3072	rBV	126532	200323	18.92%	2.805%
39	11.188	3145	3156	3174	rBV	209635	332903	31.44%	4.661%
40	11.278	3174	3184	3197	rVB	36028	58795	5.55%	0.823%
41	11.468	3233	3243	3254	rBV	49045	83937	7.93%	1.175%
42	11.564	3263	3273	3291	rVB2	163820	277281	26.19%	3.882%
43	11.956	3387	3395	3402	rBV2	9007	14736	1.39%	0.206%
44	12.056	3418	3426	3437	rBV2	8368	13351	1.26%	0.187%
45	12.201	3462	3471	3479	rBV2	7565	12448	1.18%	0.174%
46	12.406	3527	3535	3545	rVB3	7429	10869	1.03%	0.152%
47	12.670	3608	3617	3625	rBV5	7726	11887	1.12%	0.166%
48	12.824	3654	3665	3678	rVB3	16613	26979	2.55%	0.378%
49	13.445	3849	3858	3866	rBV	22441	37048	3.50%	0.519%

Sum of corrected areas: 7142298

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
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Misc : 25.0mL/MSVOA_V/WATER
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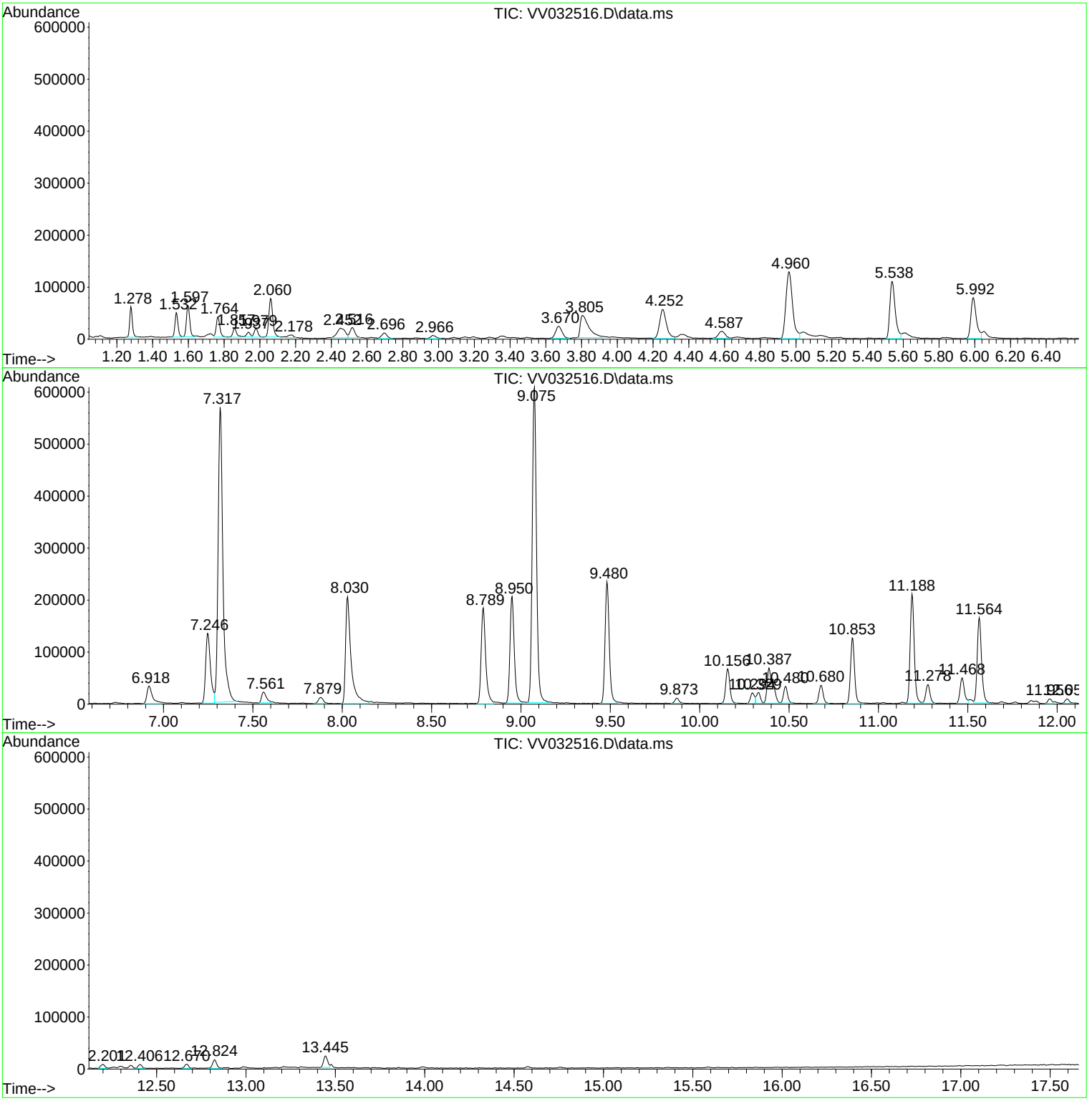
Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.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\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

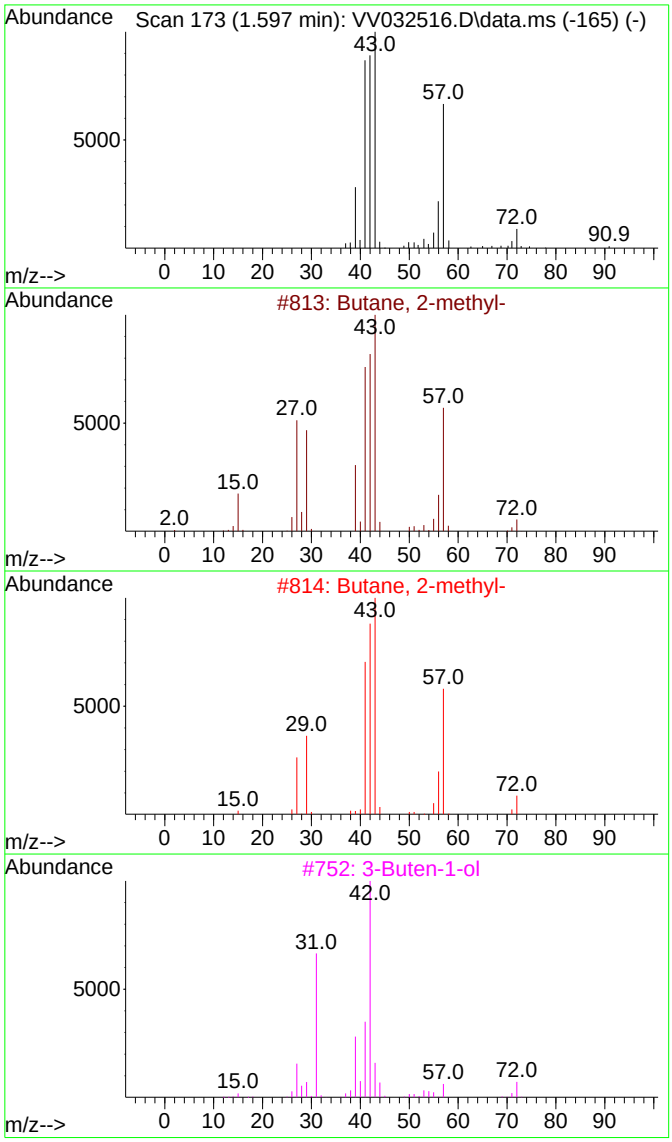
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

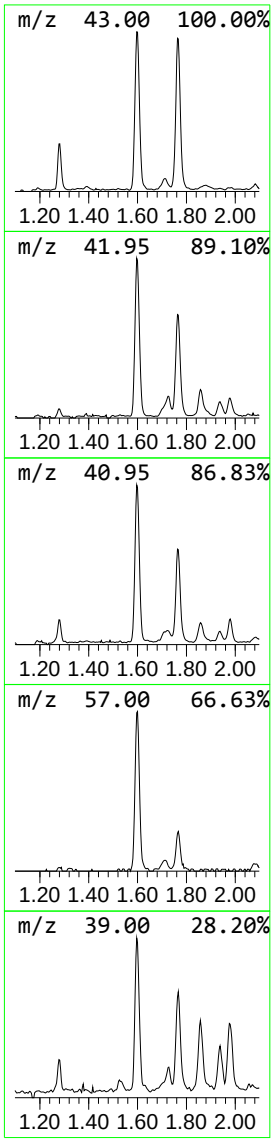
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.597	1.70 ug/L	78431	1,4-Difluorobenzene	5.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	87
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	Pentane	72	C5H12	000109-66-0	37
5	Butane, 2-chloro-3-methyl-	106	C5H11Cl	000631-65-2	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

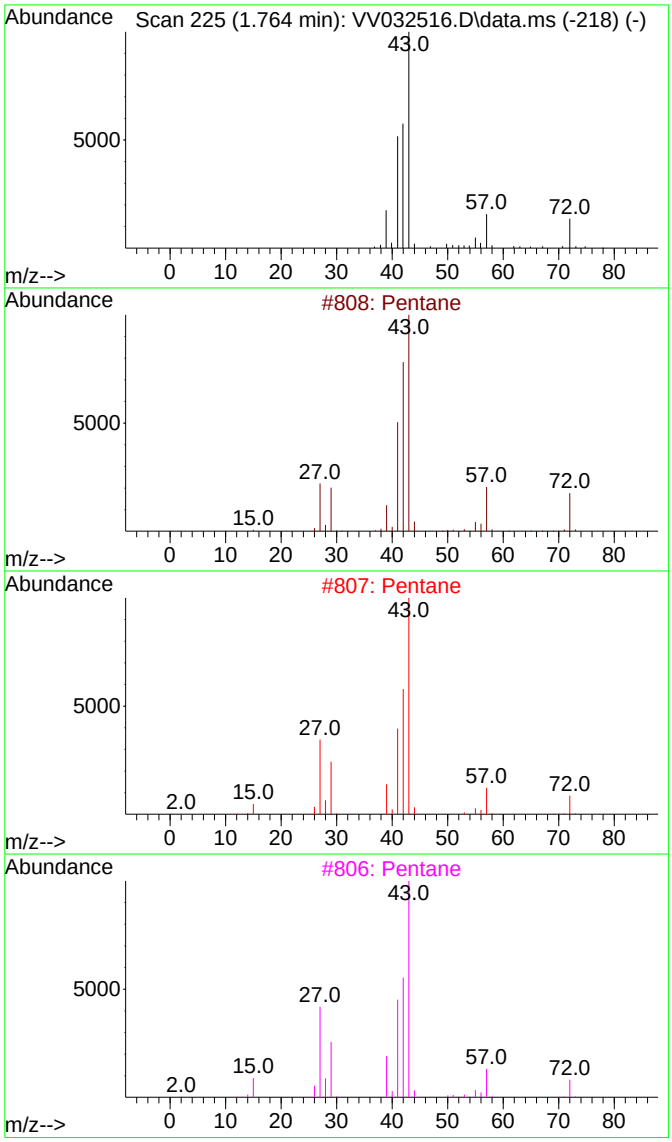
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

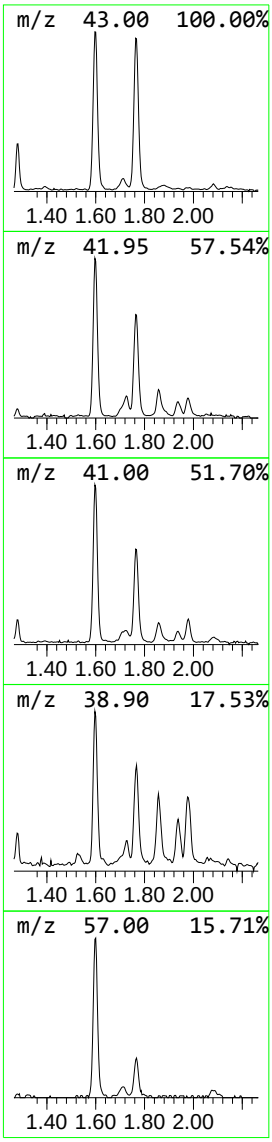
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.764	1.16 ug/L	53707	1,4-Difluorobenzene	5.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	78
5	Pentane	72	C5H12	000109-66-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

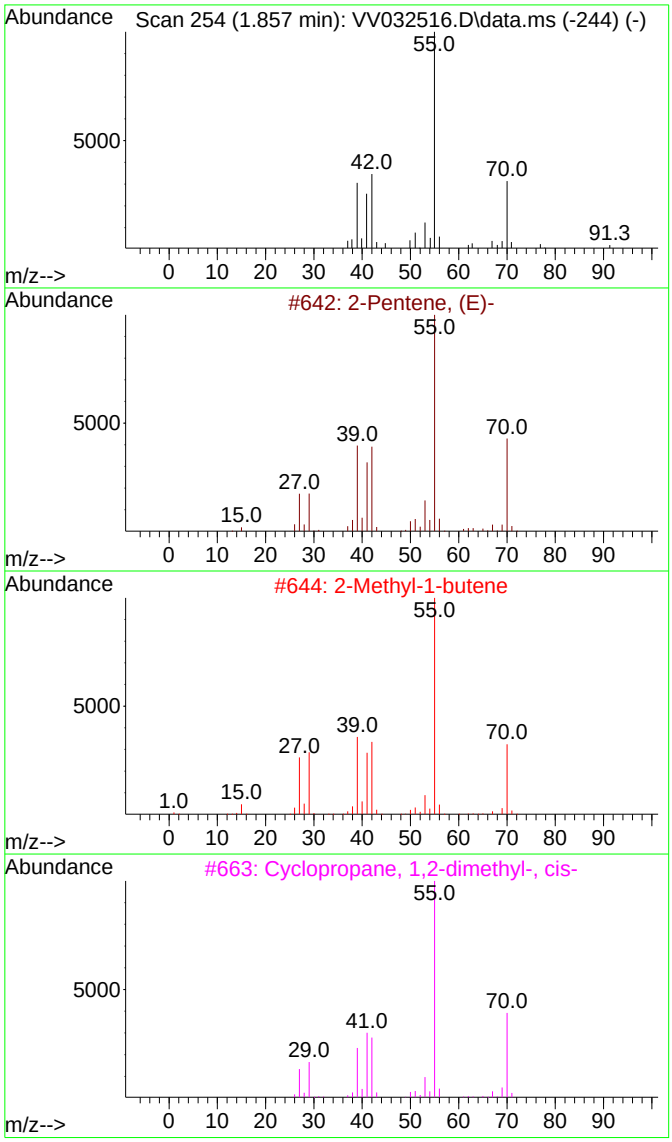
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

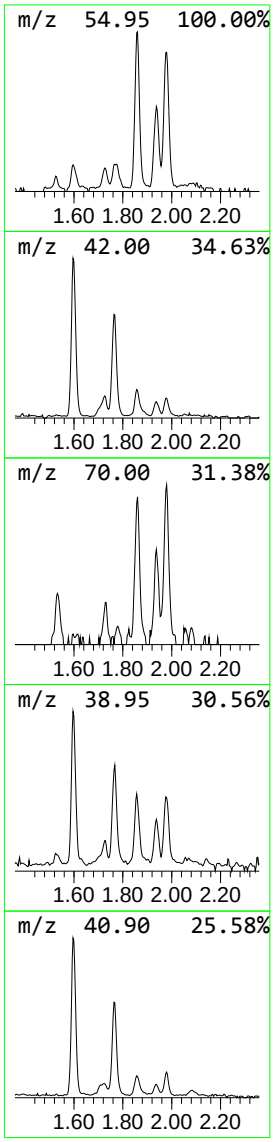
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.857	0.56 ug/L	25998	1,4-Difluorobenzene	5.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	90
2	2-Methyl-1-butene	70	C5H10	000563-46-2	86
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
4	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

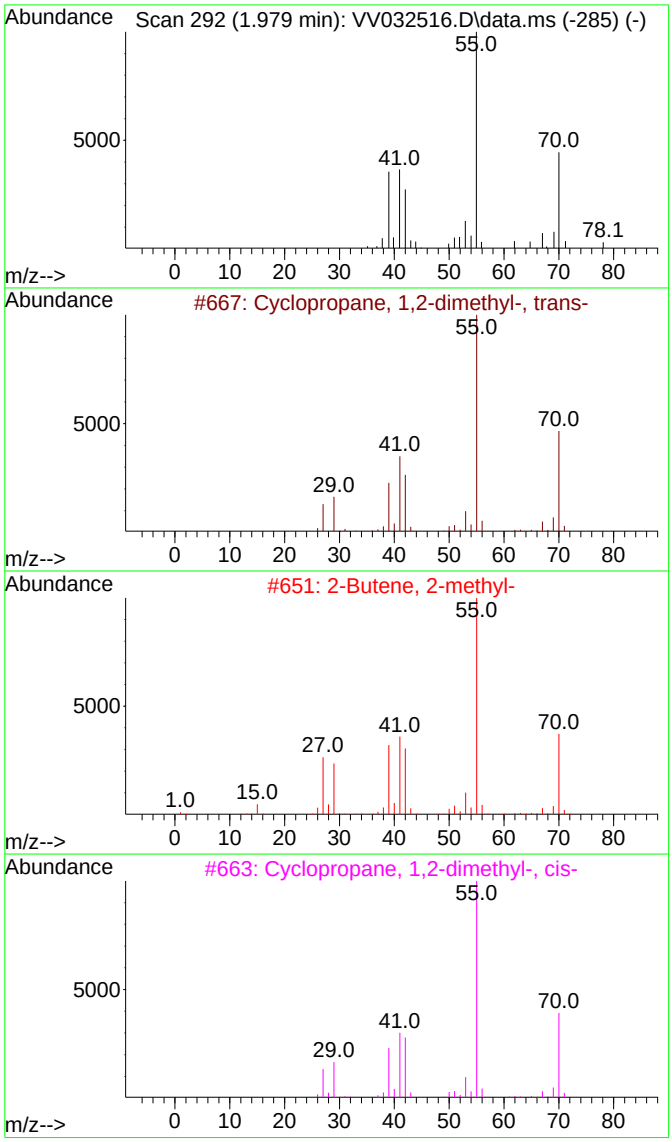
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

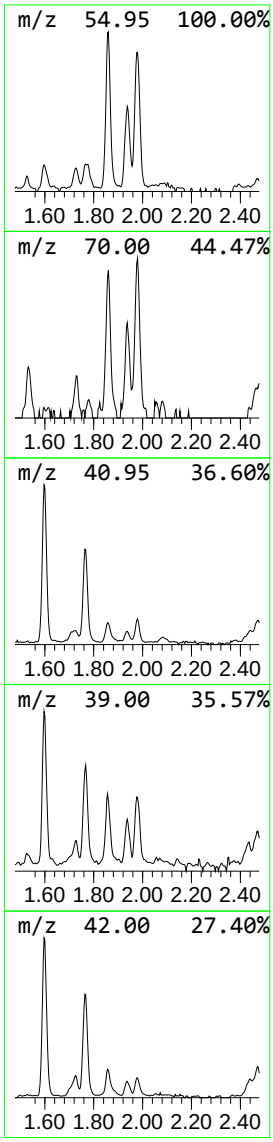
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic1.979 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.979	0.53 ug/L	24499	1,4-Difluorobenzene	5.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	90
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

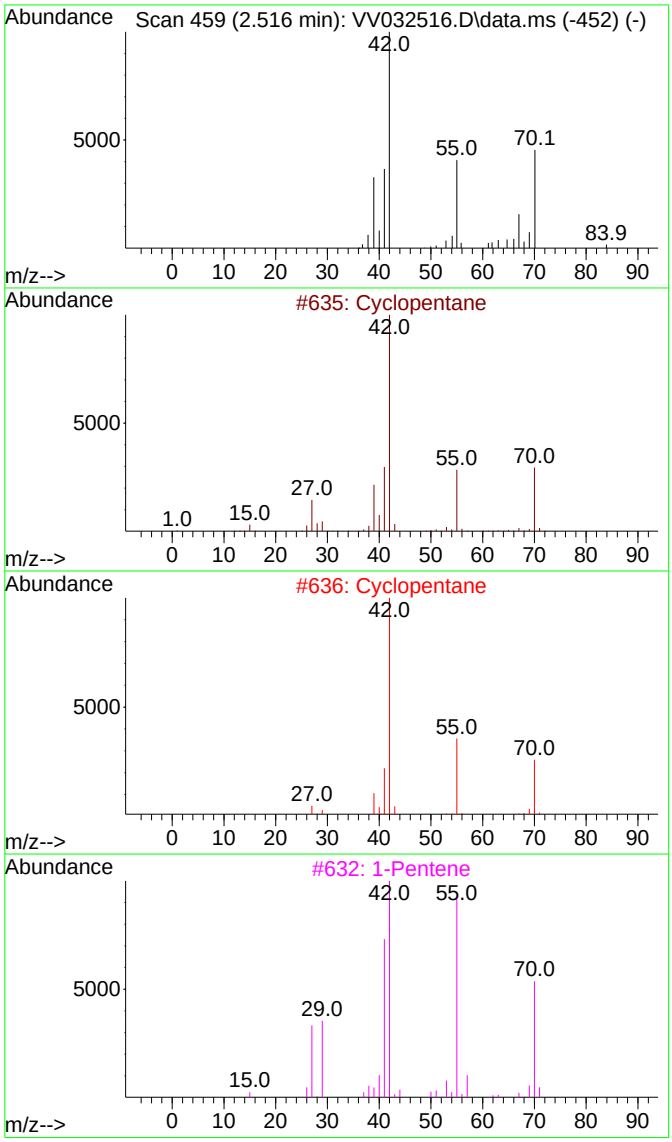
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

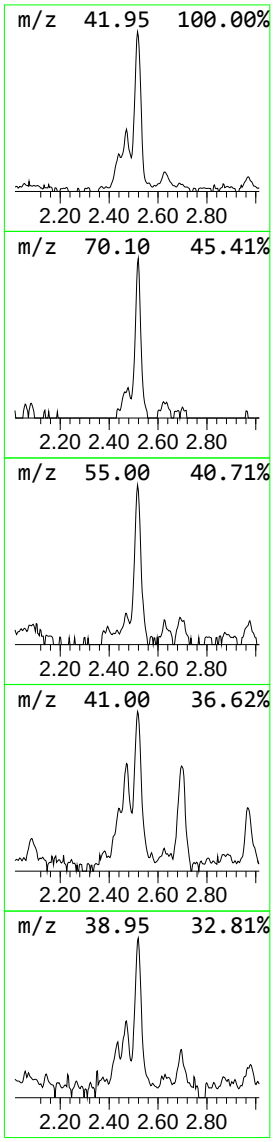
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic2.516 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.516	0.80 ug/L	36827	1,4-Difluorobenzene	5.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	72
2	Cyclopentane	70	C5H10	000287-92-3	64
3	1-Pentene	70	C5H10	000109-67-1	45
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	45
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

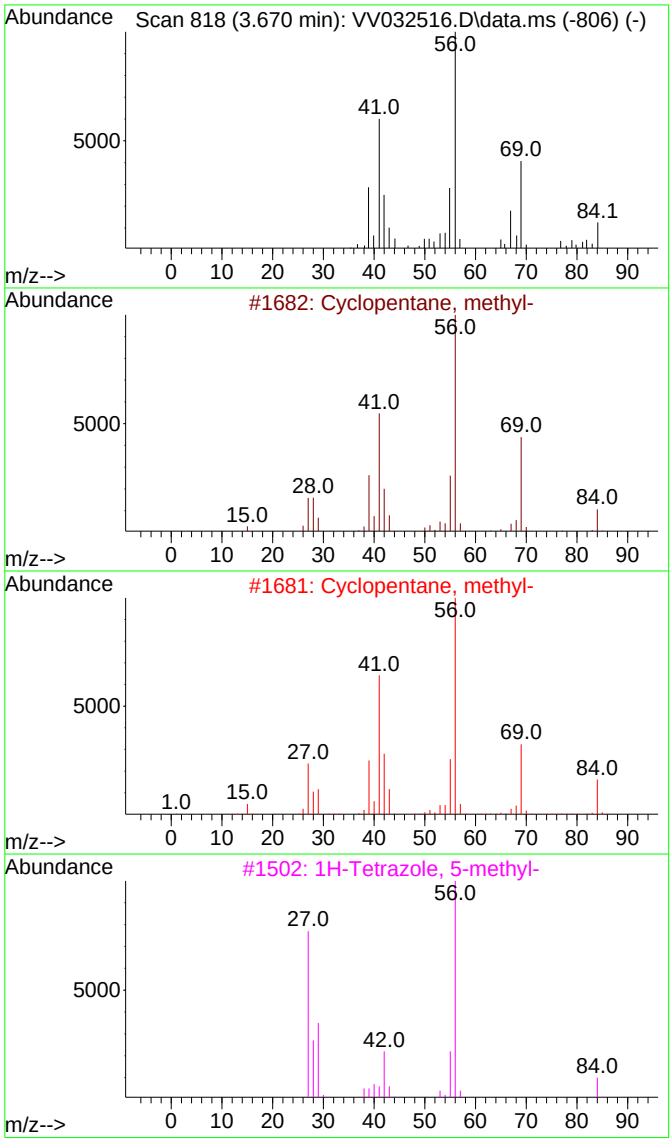
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

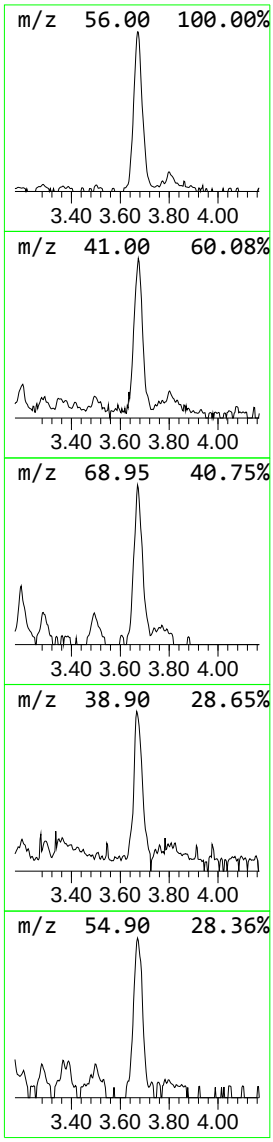
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic3.670 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.670	1.25 ug/L	58049	1,4-Difluorobenzene	5.538

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	74
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	59





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ClientSampleId :
C0AF4DL2

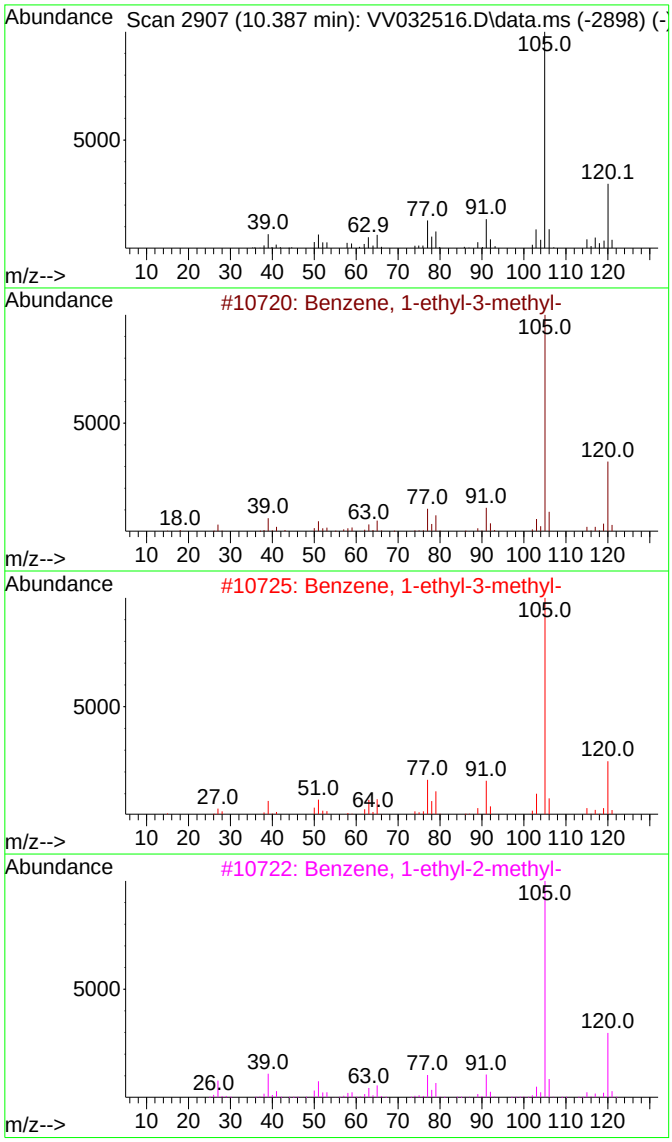
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

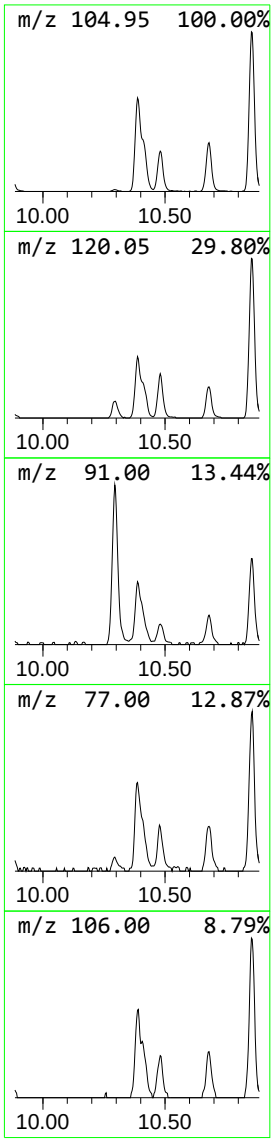
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.387	2.23 ug/L	148761	1,4-Dichlorobenzene-d4	11.188

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

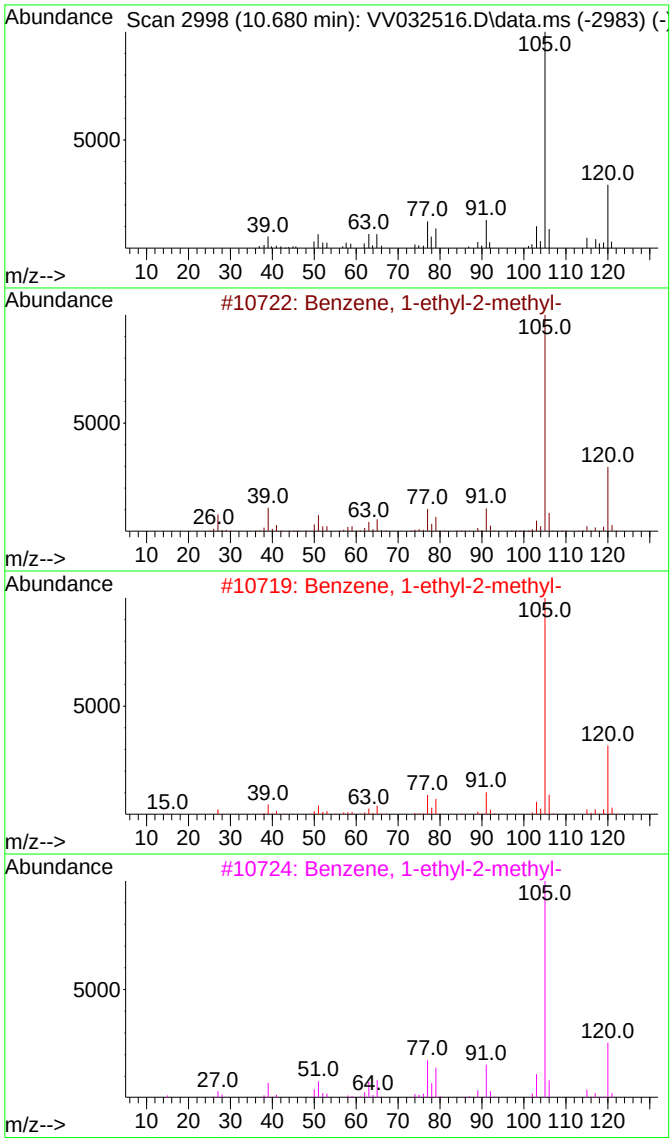
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

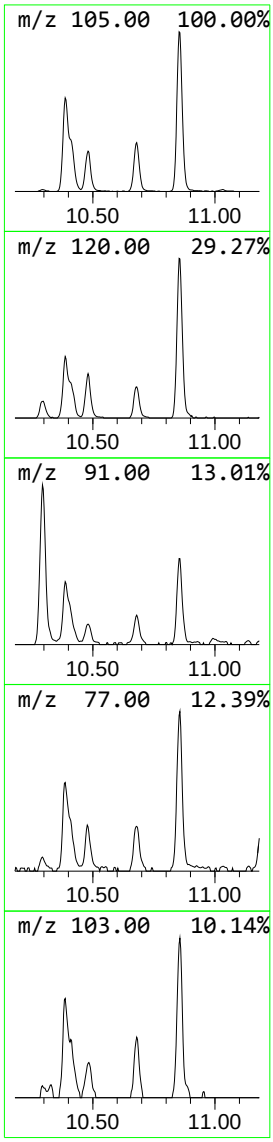
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	0.86 ug/L	57451	1,4-Dichlorobenzene-d4	11.188

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

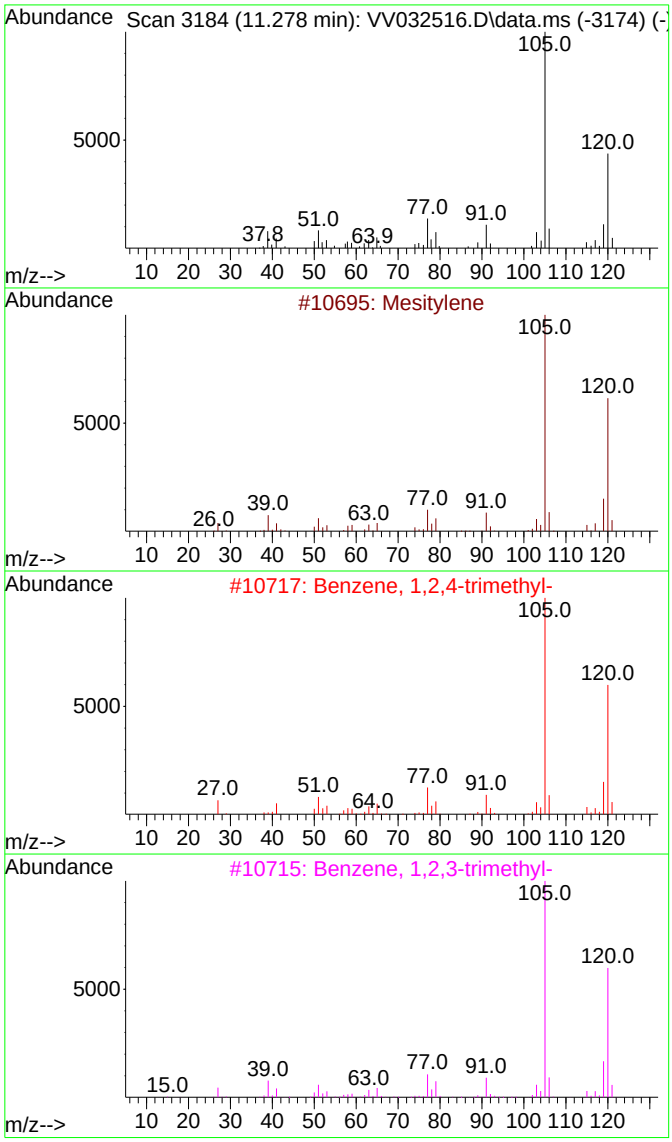
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

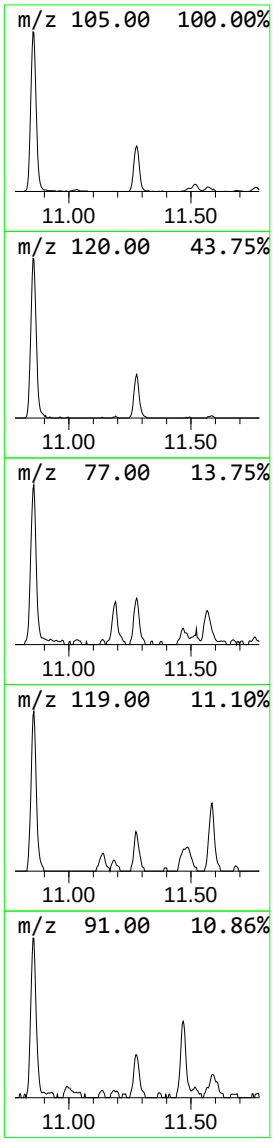
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.278	0.88 ug/L	58795	1,4-Dichlorobenzene-d4	11.188

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Mesitylene	120	C9H12	000108-67-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

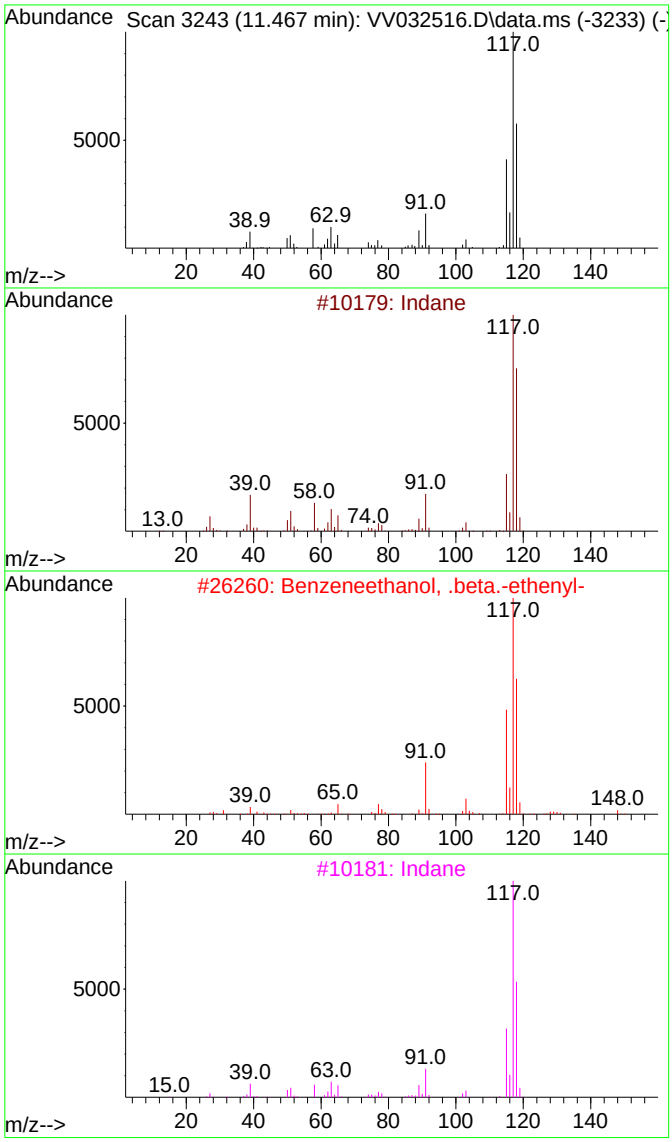
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

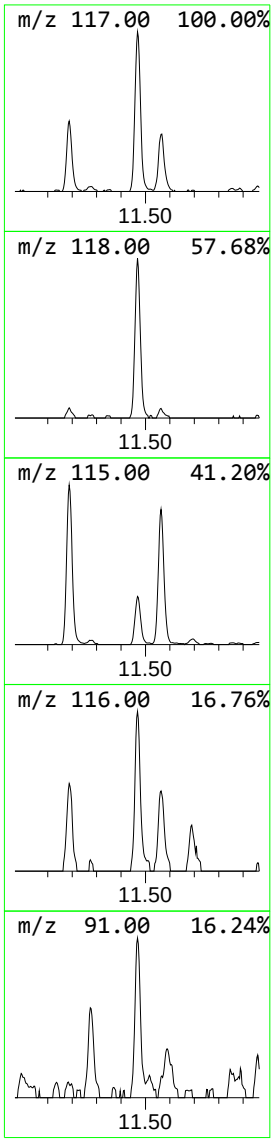
****

Peak Number 11 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.467	1.26 ug/L	83937	1,4-Dichlorobenzene-d4	11.188

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	86
3	Indane	118	C9H10	000496-11-7	81
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
5	Indane	118	C9H10	000496-11-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

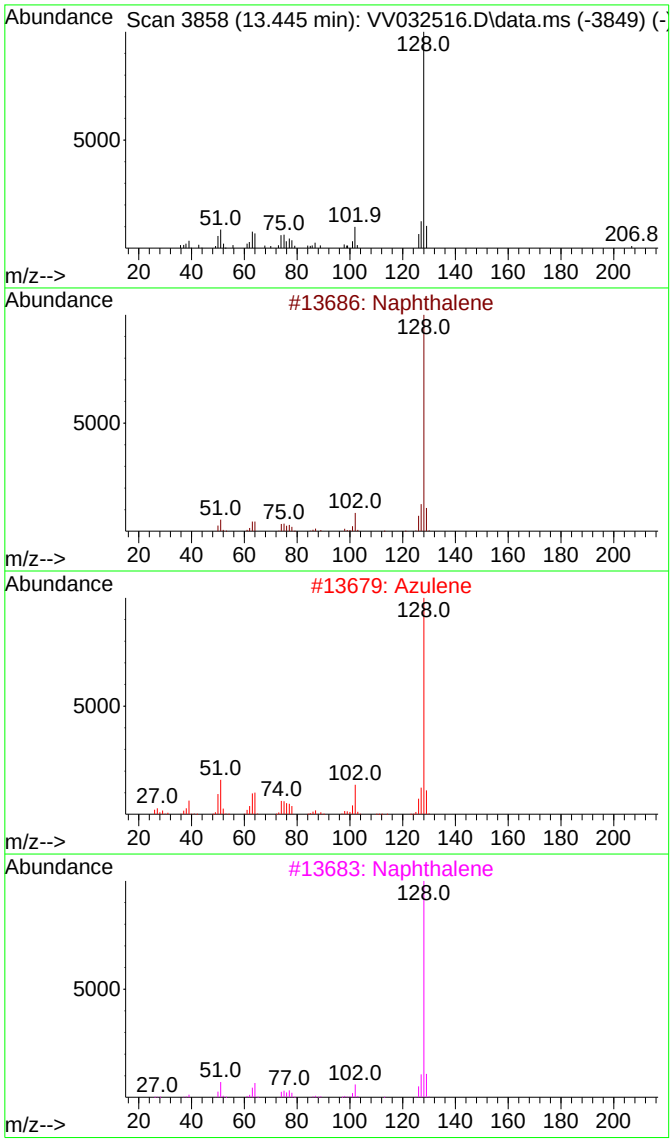
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

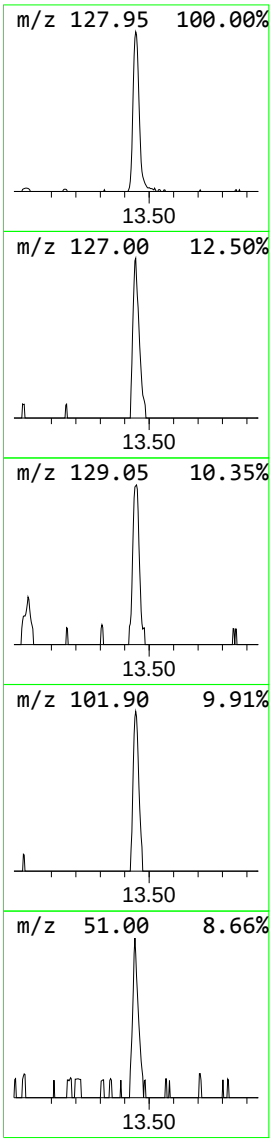
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Azulene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	0.56 ug/L	37048	1,4-Dichlorobenzene-d4	11.188

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	91
3	Naphthalene	128	C10H8	000091-20-3	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
Data File : VV032516.D
Acq On : 20 Oct 2023 11:52
Operator : SY/MD
Sample : 04903-11DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF4DL2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.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...	1.597	1.7	ug/L	78431	1	5.538	231271	5.0
(DEL) Alkane: S...	1.764	1.2	ug/L	53707	1	5.538	231271	5.0
(DEL) Alkane: S...	1.857	0.6	ug/L	25998	1	5.538	231271	5.0
(DEL) Alkane: C...	1.979	0.5	ug/L	24499	1	5.538	231271	5.0
(DEL) Alkane: C...	2.516	0.8	ug/L	36827	1	5.538	231271	5.0
(DEL) Alkane: C...	3.670	1.3	ug/L	58049	1	5.538	231271	5.0
Benzene, 1-ethy...	10.387	2.2	ug/L	148761	3	11.188	332903	5.0
Benzene, 1-ethy...	10.680	0.9	ug/L	57451	3	11.188	332903	5.0
Benzene, 1,2,3-...	11.278	0.9	ug/L	58795	3	11.188	332903	5.0
Indane	11.467	1.3	ug/L	83937	3	11.188	332903	5.0
Azulene	13.445	0.6	ug/L	37048	3	11.188	332903	5.0