LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

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\SFAMVTR092222WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV028255.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.211	46	53	70	rBV	4066069	3444093	1.60%	0.647%
2	1.301	70	81	89	rBV	10861092	10613682	4.92%	1.995%
3	1.626	172	182	209	rVB	28177891	35122720	16.27%	6.603%
4	1.799	228	236	255	rVB2	5095050	7386704	3.42%	1.389%
5	1.892	256	265	275	rBV	2563737	3232885	1.50%	0.608%
6	2.015	296	303	321	rVB	5928257	8207873	3.80%	1.543%
7	2.487	417	450	457	rBV2	7376440	16008182	7.42%	3.009%
8	2.568	468	475	498	rVB2	3164641	6172745	2.86%	1.160%
9	2.751	517	532	564	rVB	3828980	7540140	3.49%	1.417%
10	3.262	682	691	706	rVB	1072366	2198048	1.02%	0.413%
11	3.658	800	814	828	rVV	1328932	3232610	1.50%	0.608%
12	3.754	828	844	860	rVV	4053823	9973210	4.62%	1.875%
13	4.667	1111	1128	1142	rBV2	2221510	5572582	2.58%	1.048%
14	4.757	1142	1156	1185	rVB	3111901	8140014	3.77%	1.530%
15	5.121	1232	1269	1283	rBV3	71600691	215852818	100.00%	40.578%
16	5.230	1294	1303	1321	rVB2	3594520	9266689	4.29%	1.742%
17	6.121	1551	1580	1593	rBV6	950760	3028644	1.40%	0.569%
18	6.648	1728	1744	1761	rVB	1853903	3941693	1.83%	0.741%
19	6.773	1764	1783	1800	rBV3	2752306	7469983	3.46%	1.404%
20	7.381	1960	1972	1984	rBV	5945077	9916271	4.59%	1.864%
21	9.014	2467	2480	2493	rBV2	30718104	50054051	23.19%	9.410%
22	9.136	2505	2518	2533	rVB	19004043	30570161	14.16%	5.747%
23	9.927	2752	2764	2781	rBV	1458093	2212514	1.03%	0.416%
24	10.349	2881	2895	2913	rBV	4753369	7055628	3.27%	1.326%
25	10.442	2914	2924	2929	rBV	4465803	6740650	3.12%	1.267%
26	10.535	2943	2953	2969	rVB	3262433	4738080	2.20%	0.891%
27	10.731	3003	3014	3039	rVB	2406661	3703260	1.72%	0.696%
28	10.911	3057	3070	3087	rBV	12867561	19038461	8.82%	3.579%
29	11.333	3190	3201	3212	rBV	1514269	2202494	1.02%	0.414%
30	11.525	3248	3261	3282	rBV2	6167110	12698299	5.88%	2.387%
31	11.628	3282	3293	3314	rVB7	1709653	3685604	1.71%	0.693%
32	12.011	3399	3412	3419	rBV	1937149	2879405	1.33%	0.541%
33	12.111	3432	3443	3464	rBV	2295612	3750071	1.74%	0.705%
34	12.879	3662	3682	3692	rBV2	2047727	3351779	1.55%	0.630%
35	13.496	3857	3874	3885	rBV	1855995	2937252	1.36%	0.552%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

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\SFAMVTR092222WMA.M
Title : TRACE VOA SFAM1.0

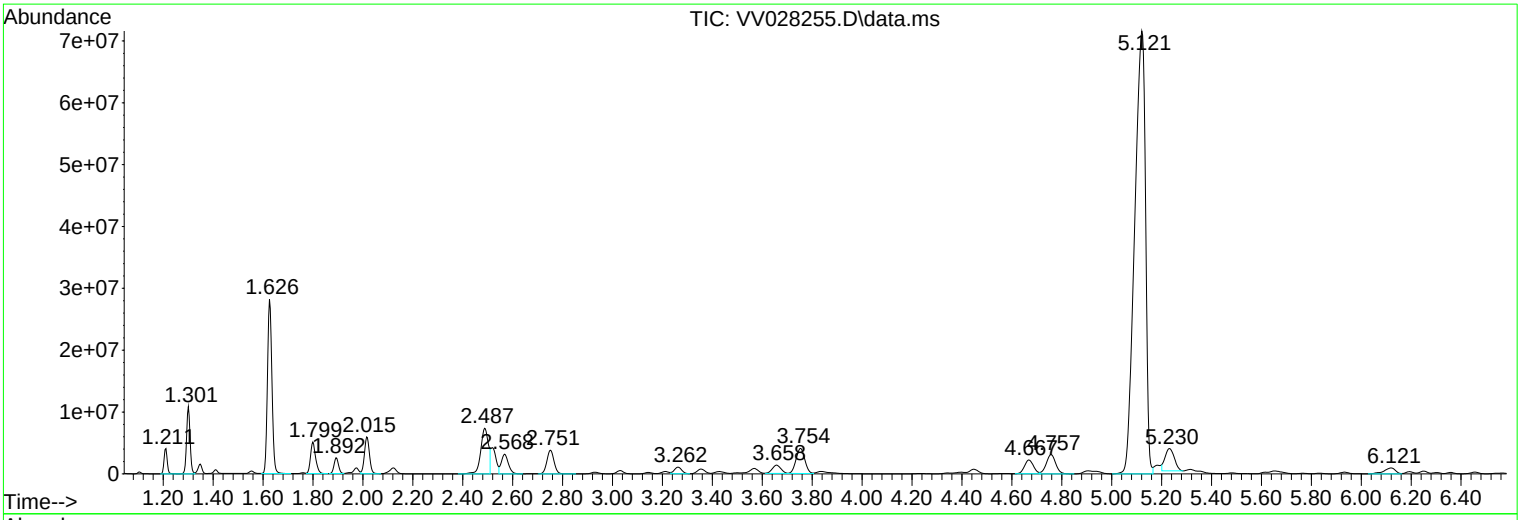
Sum of corrected areas: 531939295

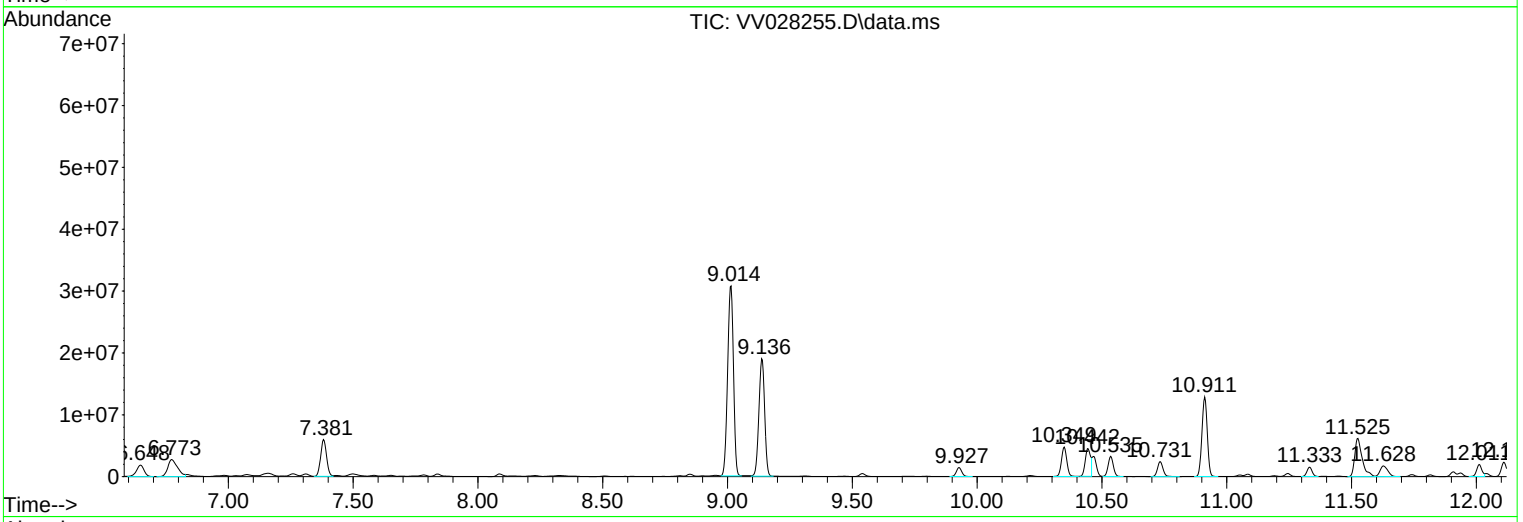
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

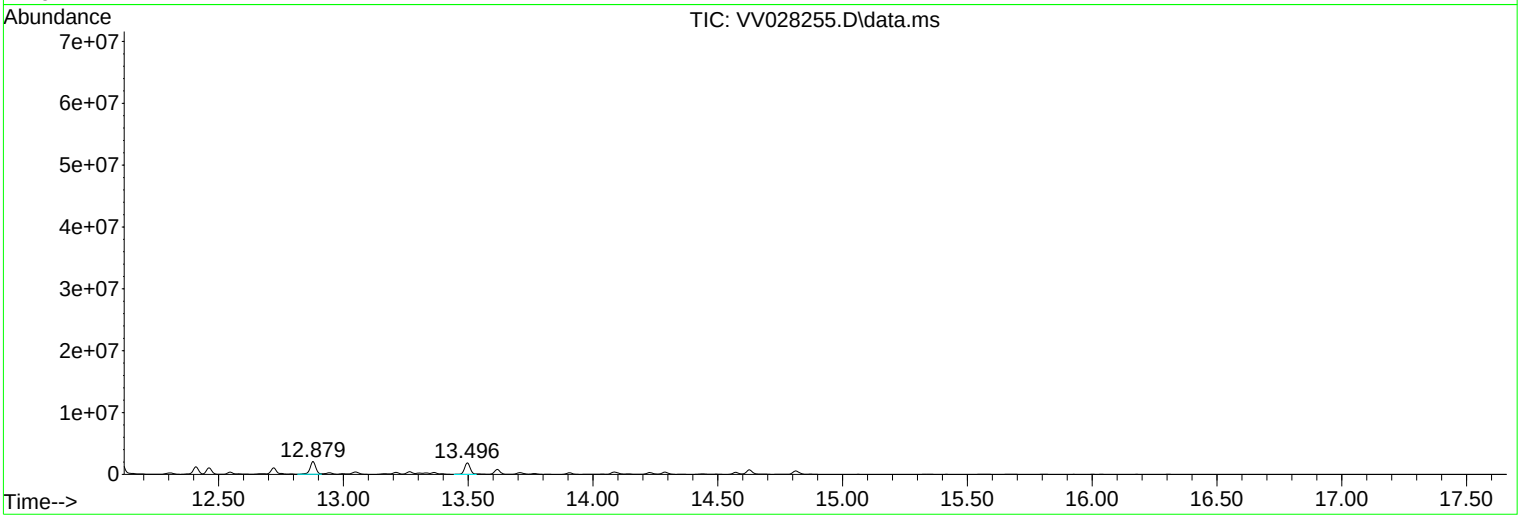
Instrument :
MSVOA_V
ClientSampleId :
F5H36

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.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\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

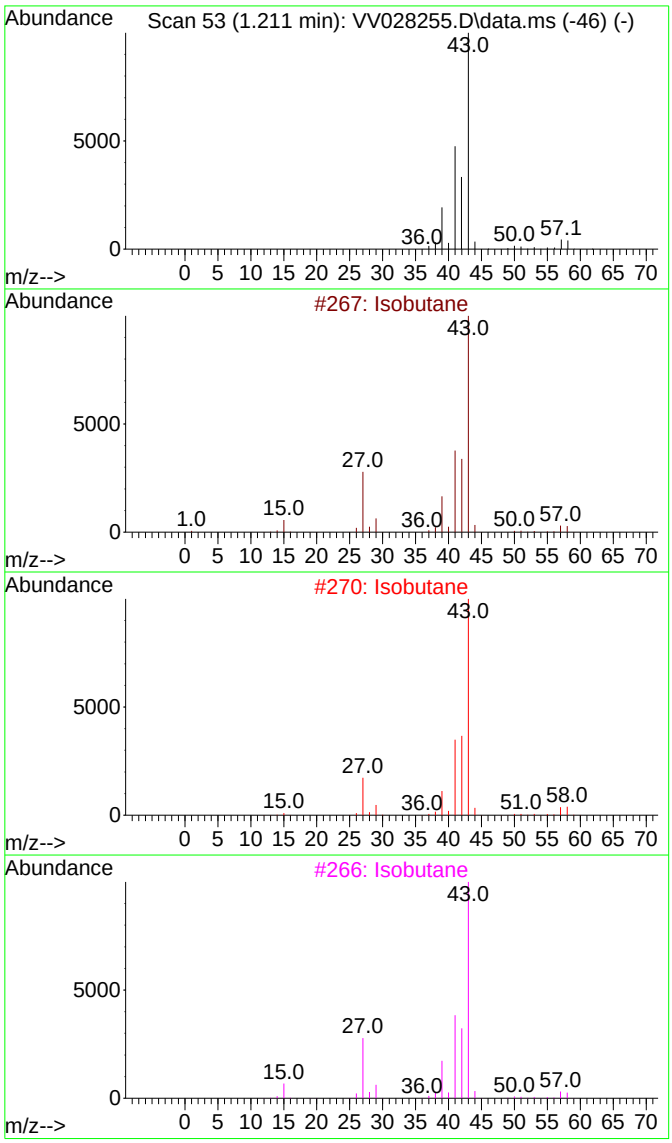
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

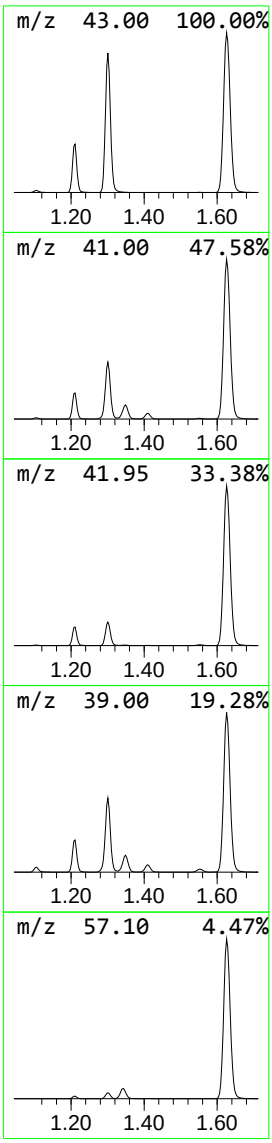
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.211	1.86 ug/L	3444090	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	86
2	Isobutane	58	C4H10	000075-28-5	80
3	Isobutane	58	C4H10	000075-28-5	80
4	Isobutane	58	C4H10	000075-28-5	78
5	Isobutane	58	C4H10	000075-28-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

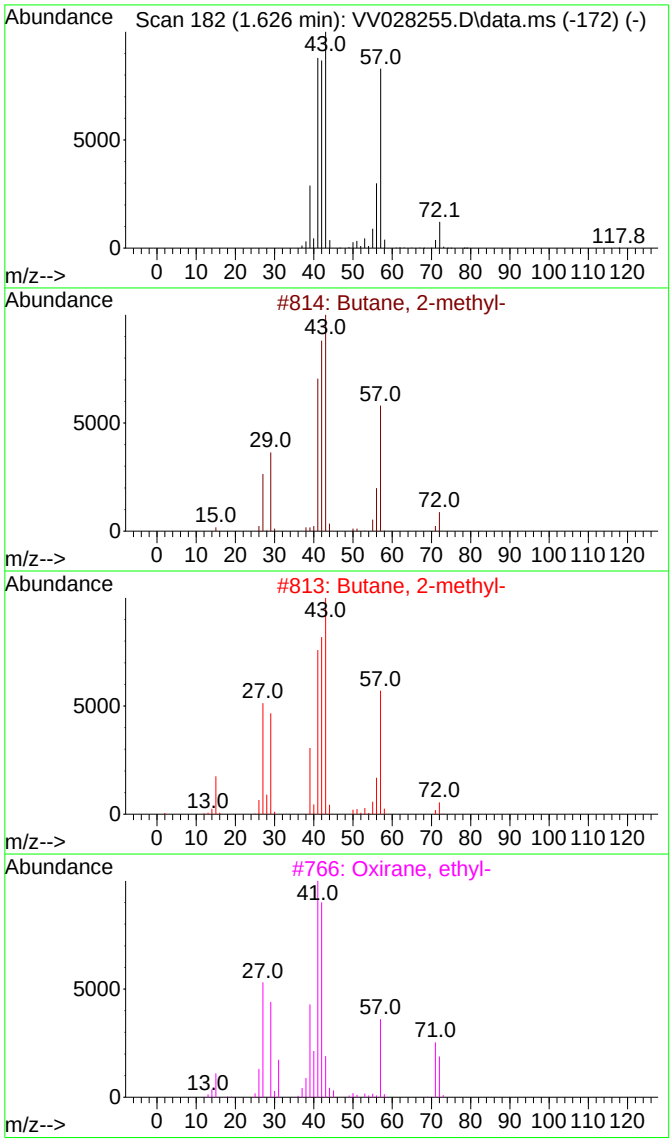
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

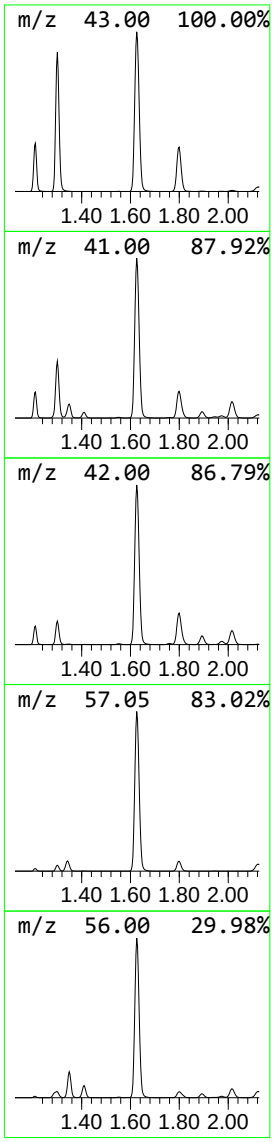
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.626	18.95 ug/L	35122700	1,4-Difluorobenzene	5.613

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	78
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	47
4	Pentane	72	C5H12	000109-66-0	45
5	Pentane	72	C5H12	000109-66-0	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

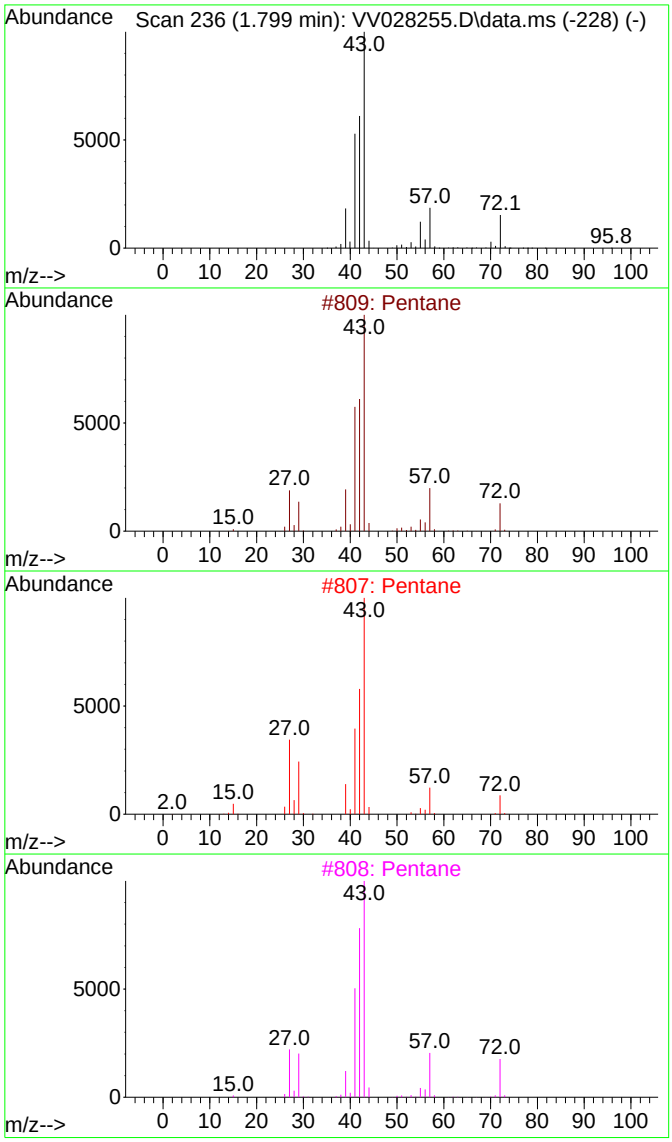
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

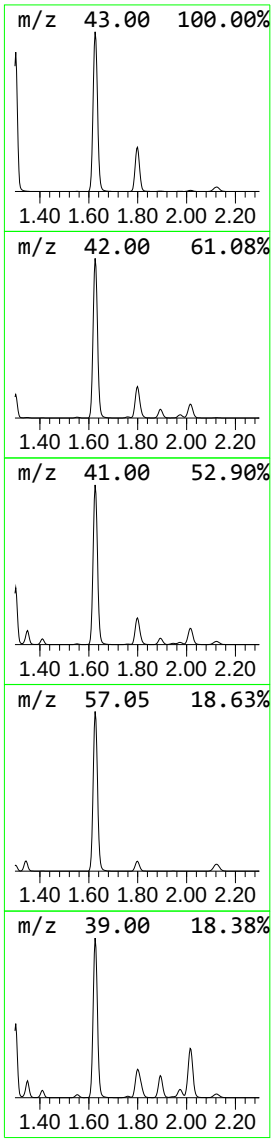
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.799	3.99 ug/L	7386700	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	86
5	Pentane	72	C5H12	000109-66-0	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

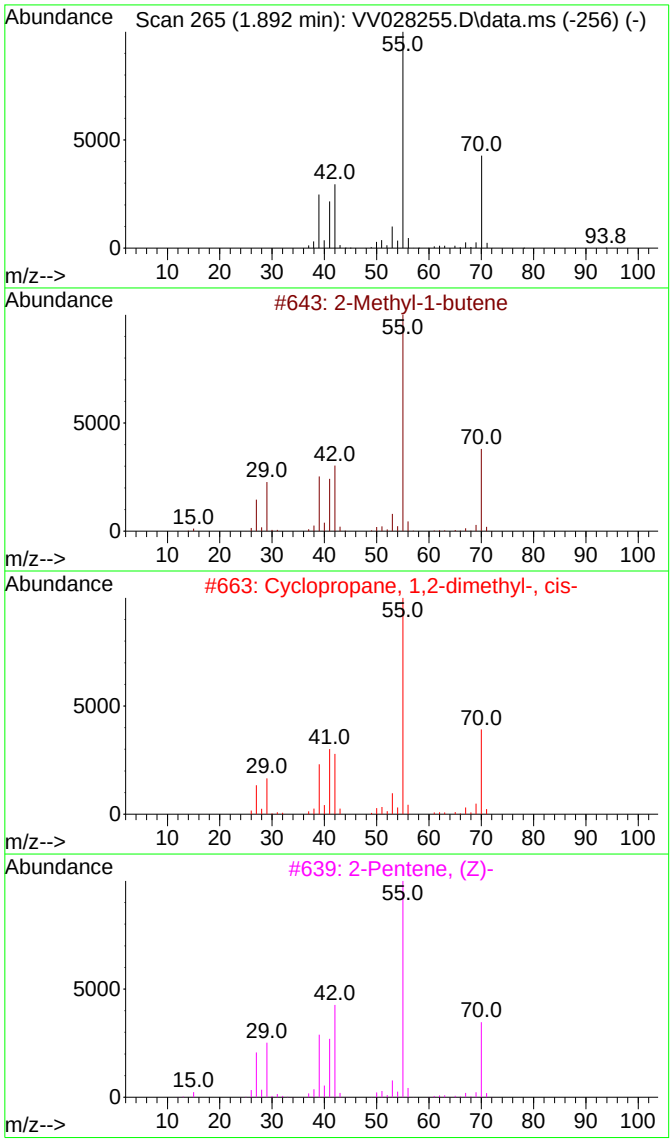
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

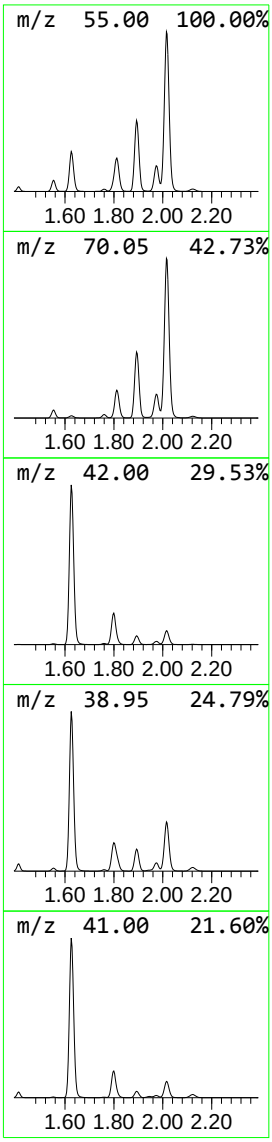
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.892	1.74 ug/L	3232890	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
5	2-Pentene, (E)-	70	C5H10	000646-04-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

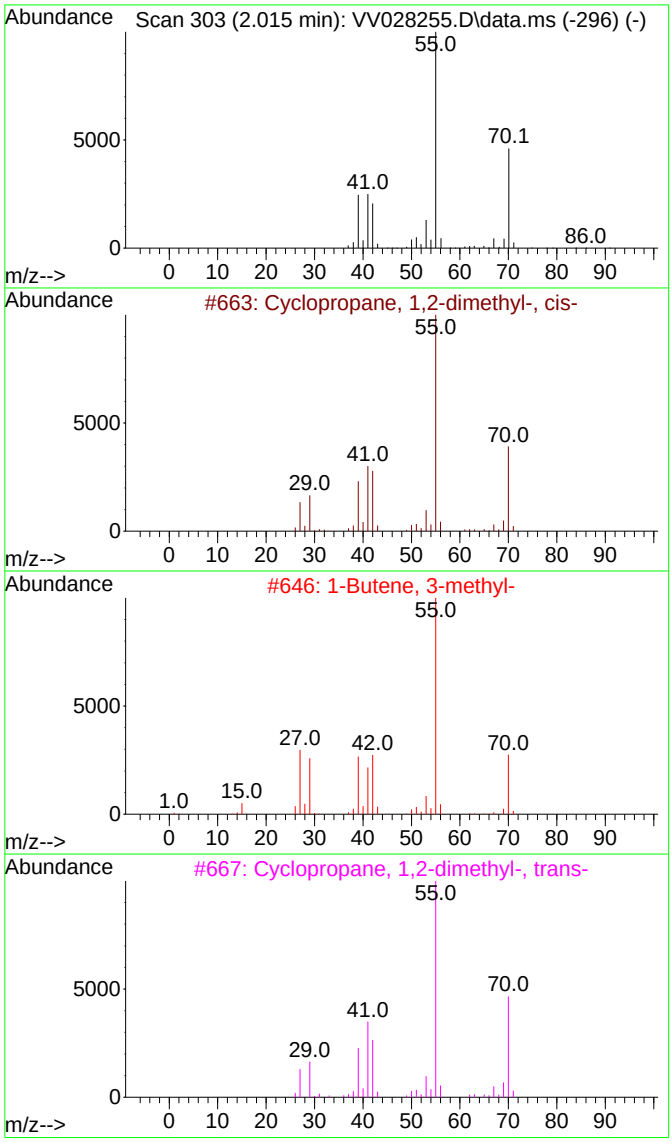
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

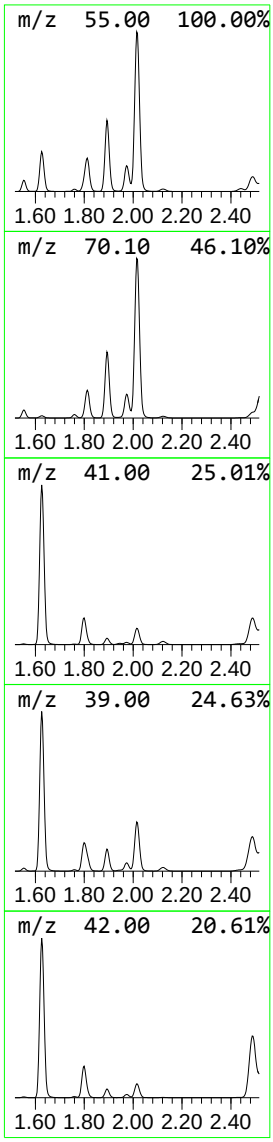
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic2.015 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.015	4.43 ug/L	8207870	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80
4	2-Methyl-1-butene	70	C5H10	000563-46-2	78
5	2-Pentene	70	C5H10	000109-68-2	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

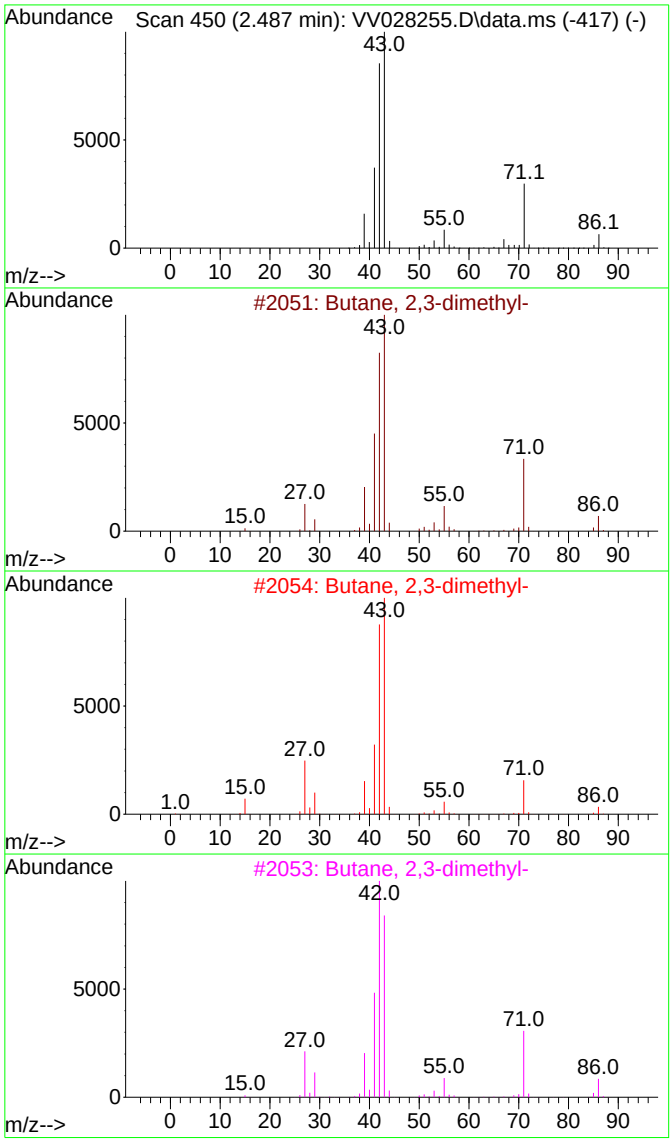
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

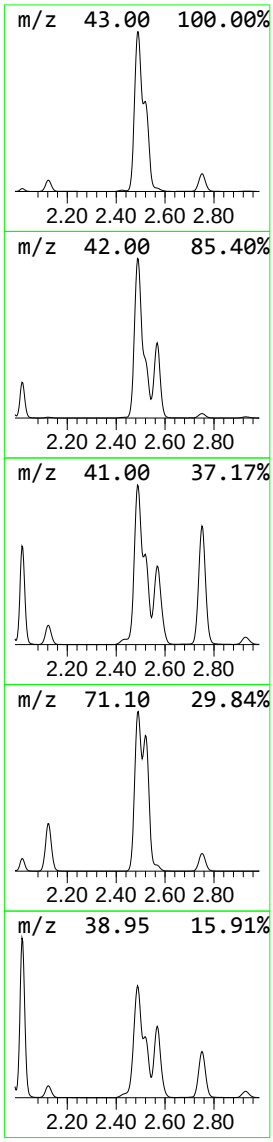
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.487	8.64 ug/L	16008200	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

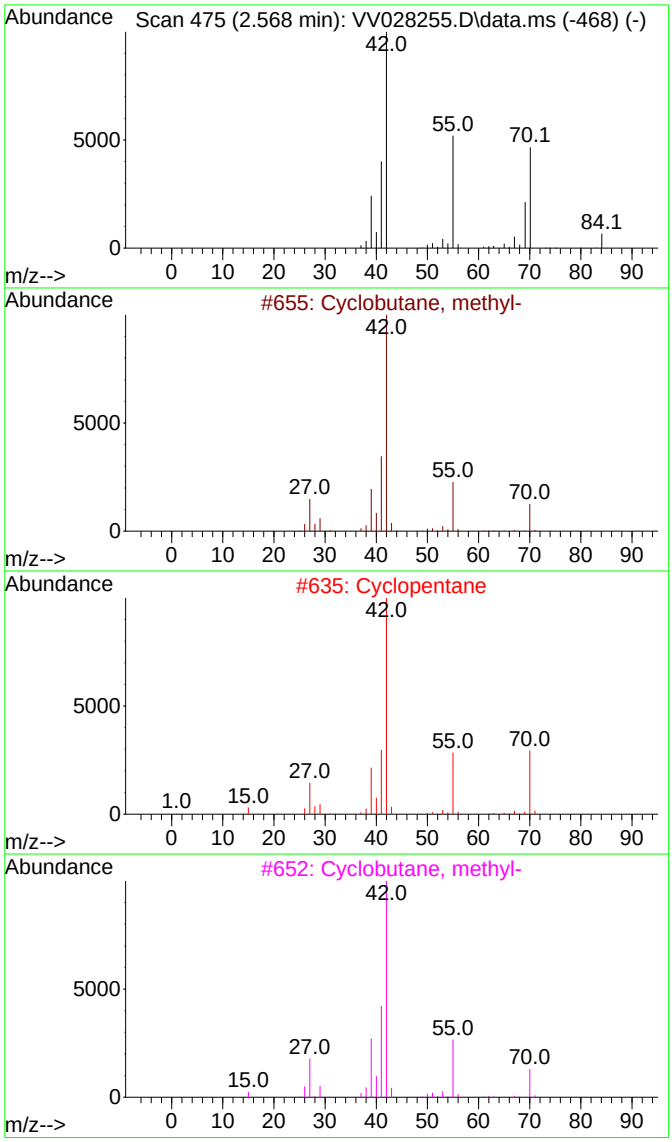
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

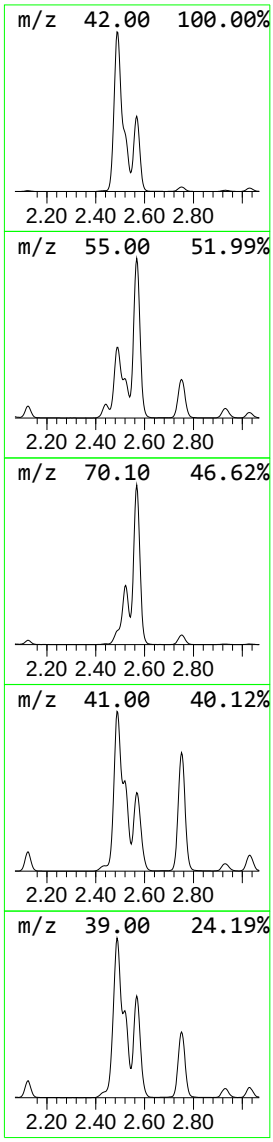
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic2.568 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.568	3.33 ug/L	6172750	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
2	Cyclopentane	70	C5H10	000287-92-3	78
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
4	1-Pentene	70	C5H10	000109-67-1	50
5	2-Pentene, (E)-	70	C5H10	000646-04-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

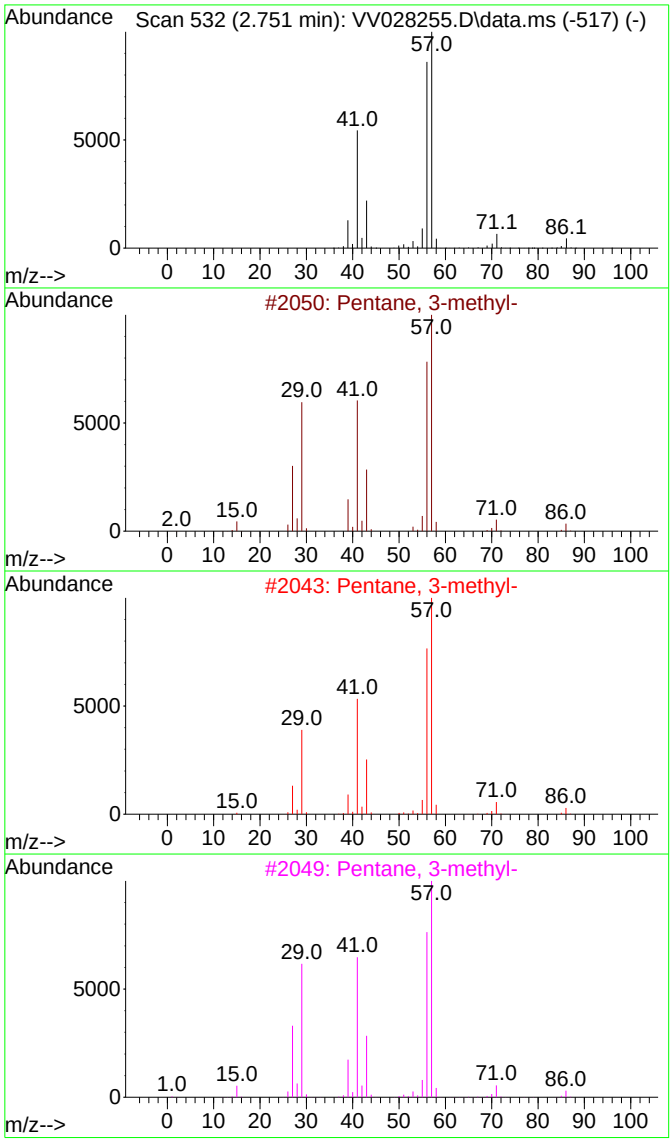
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

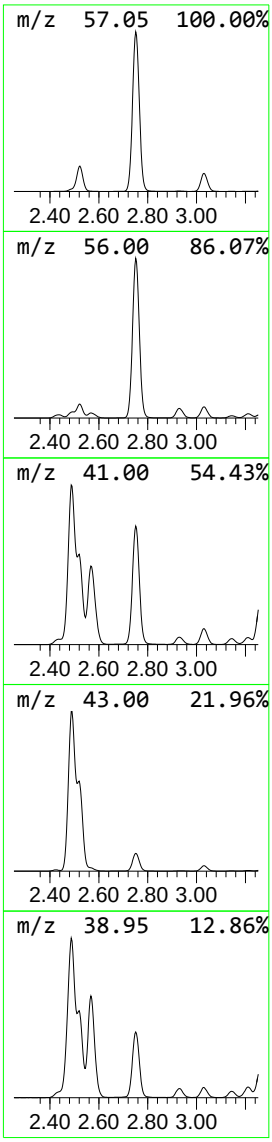
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.751	4.07 ug/L	7540140	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

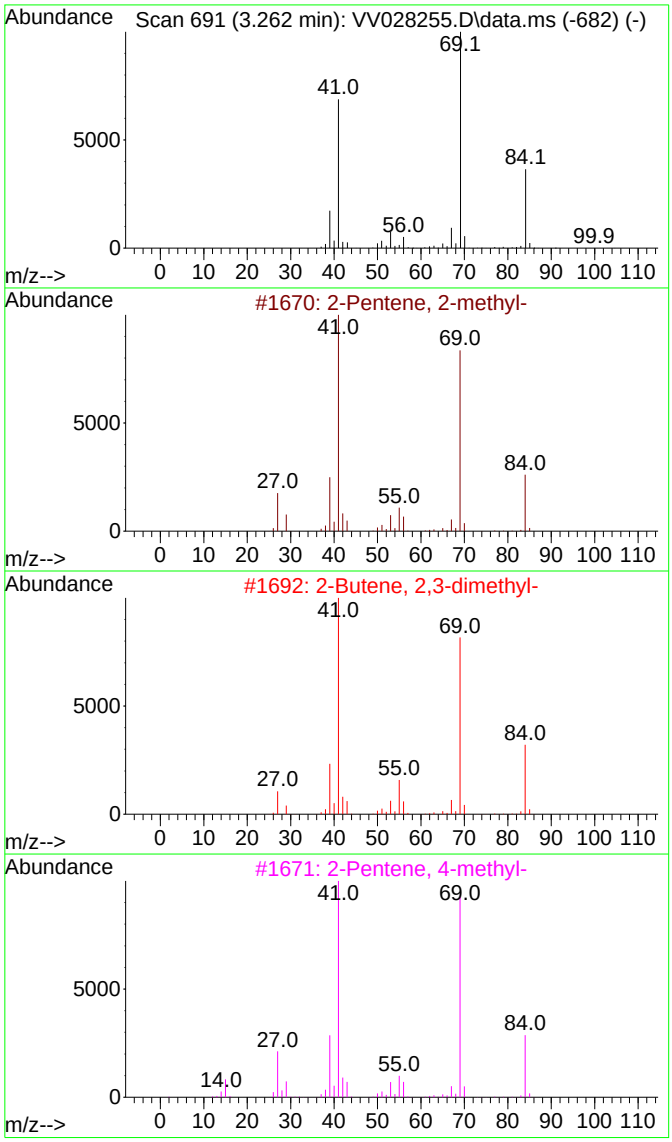
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

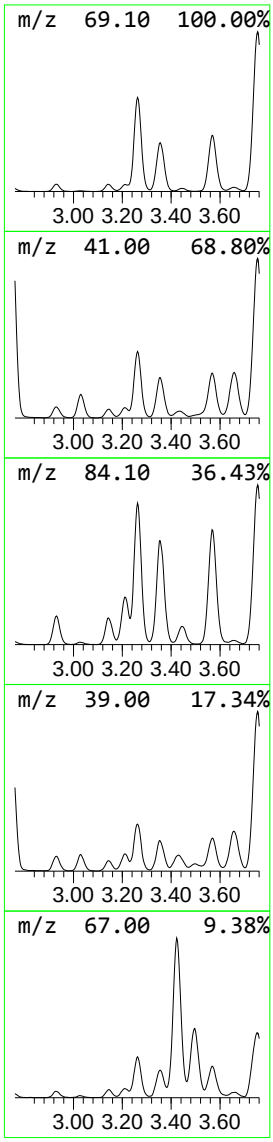
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.262	1.19 ug/L	2198050	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	90
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	86
3	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	83
4	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	83
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	83





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Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

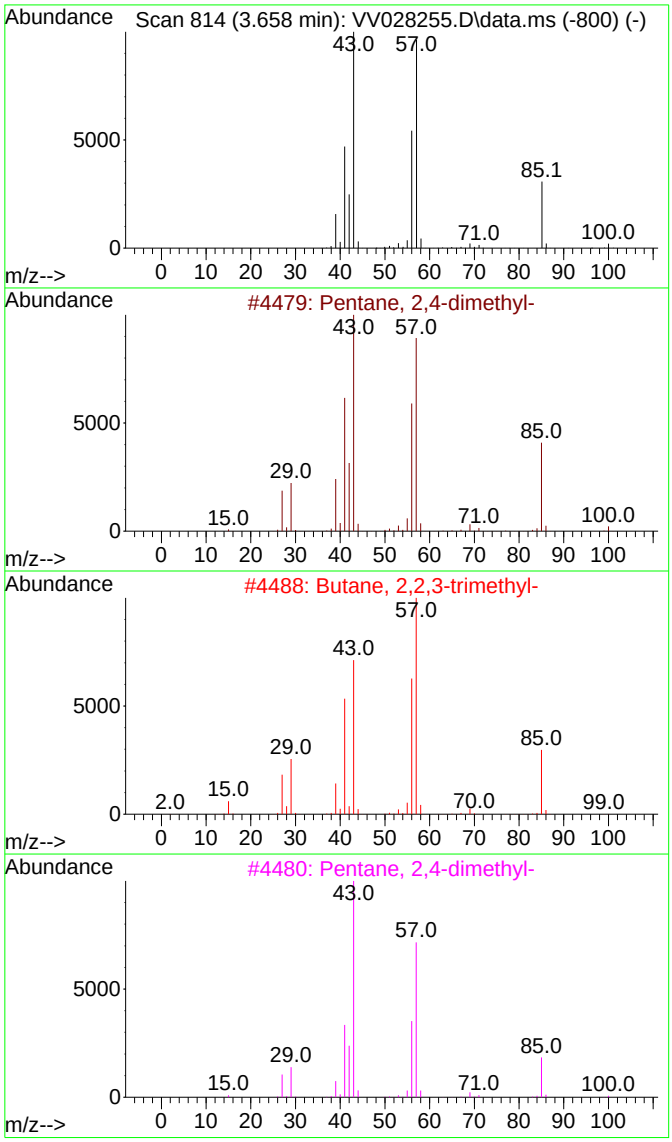
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

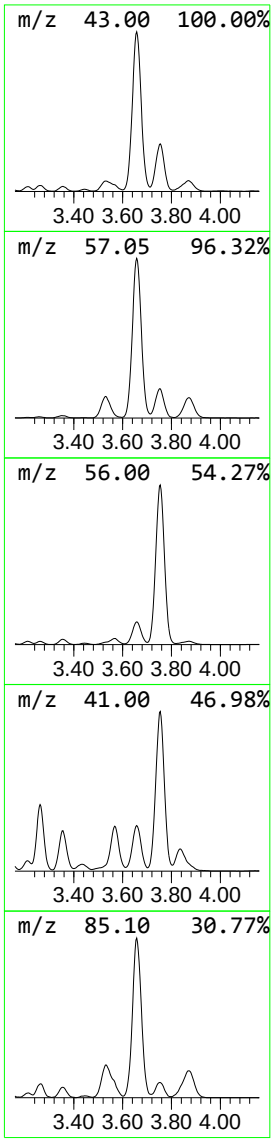
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.658	1.74 ug/L	3232610	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	58
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	50





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Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

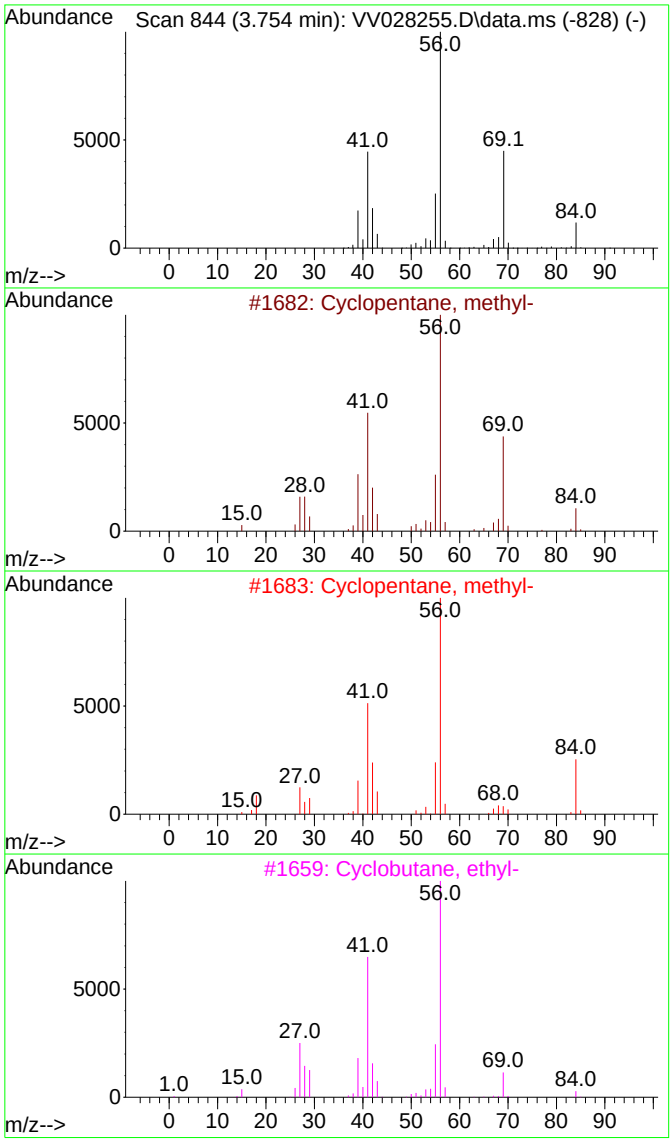
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

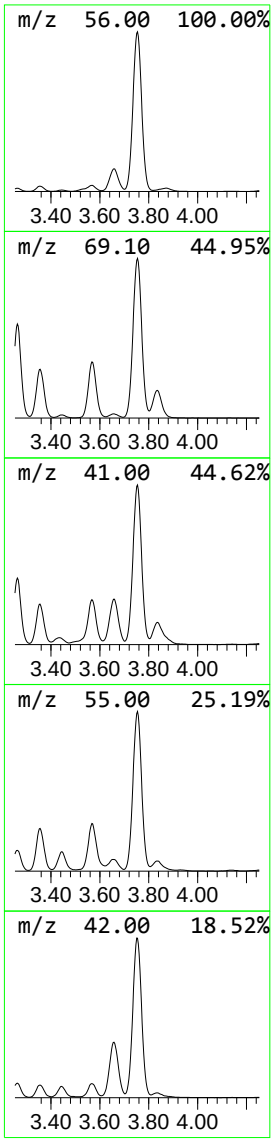
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic3.754 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.754	5.38 ug/L	9973210	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	80
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
5	Cyclohexane	84	C6H12	000110-82-7	78





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Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

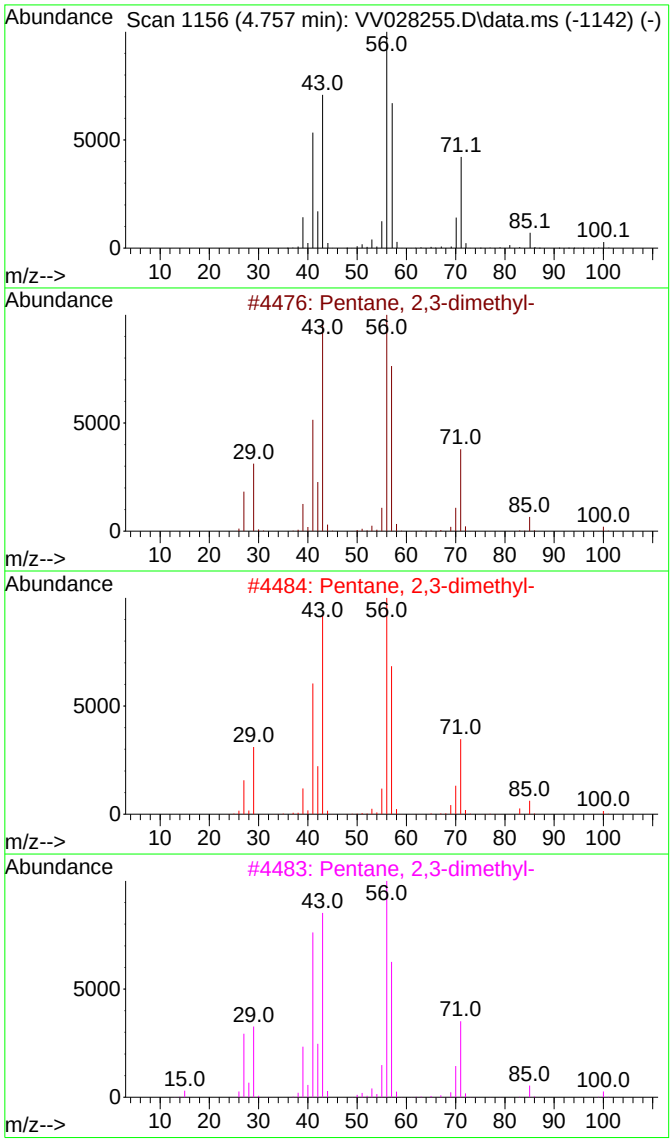
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

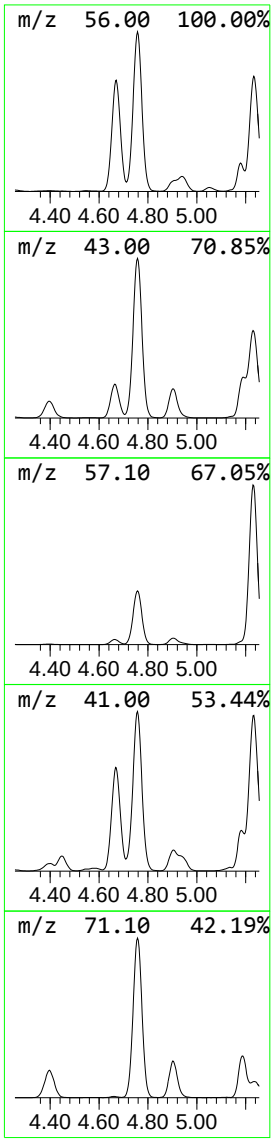
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.757	4.39 ug/L	8140010	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	49
5	Heptane	100	C7H16	000142-82-5	47





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Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

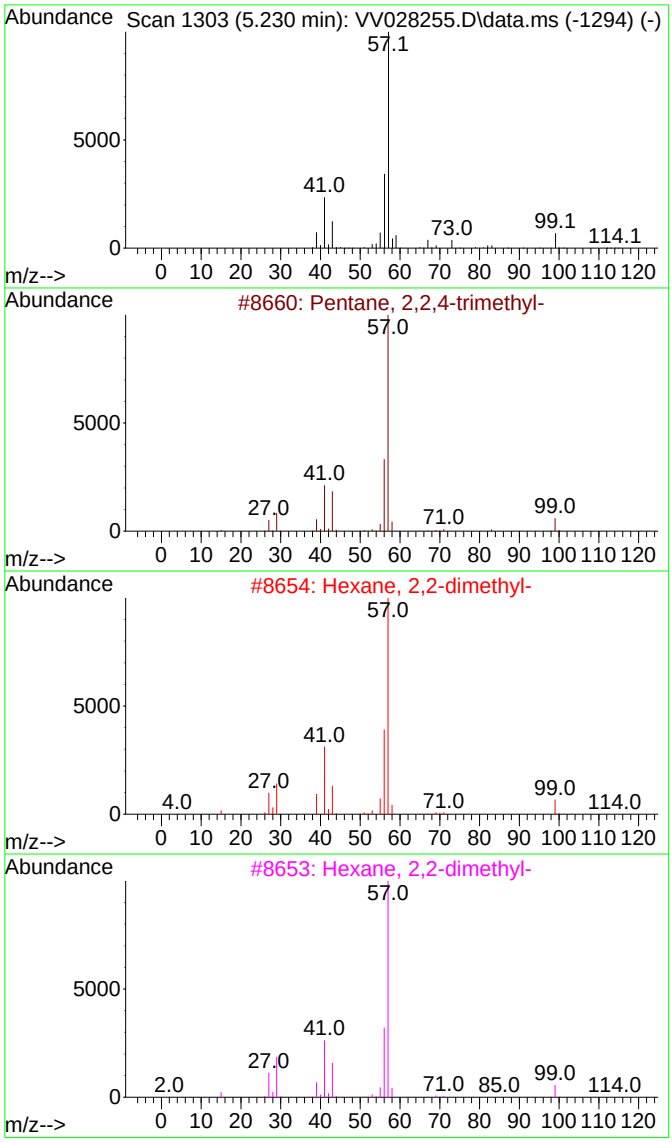
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

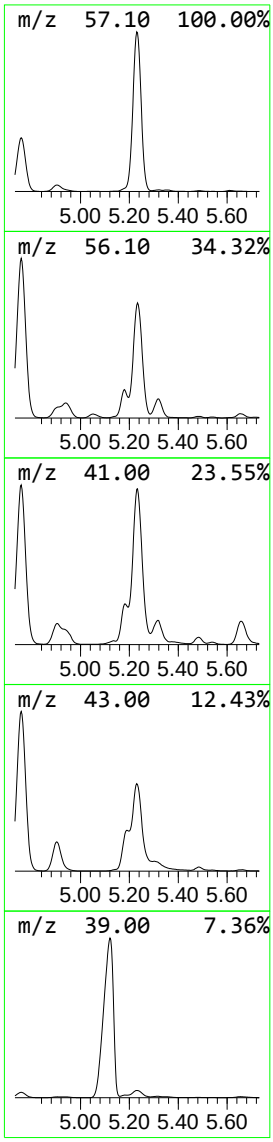
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.230	5.00 ug/L	9266690	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	53
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	53





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Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

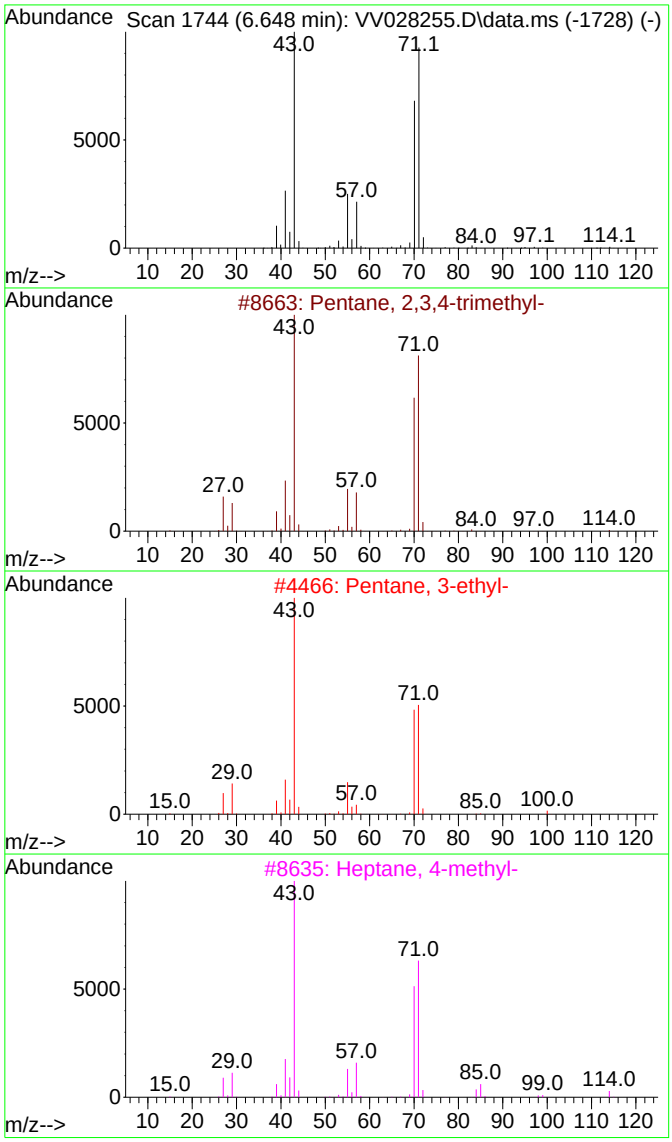
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

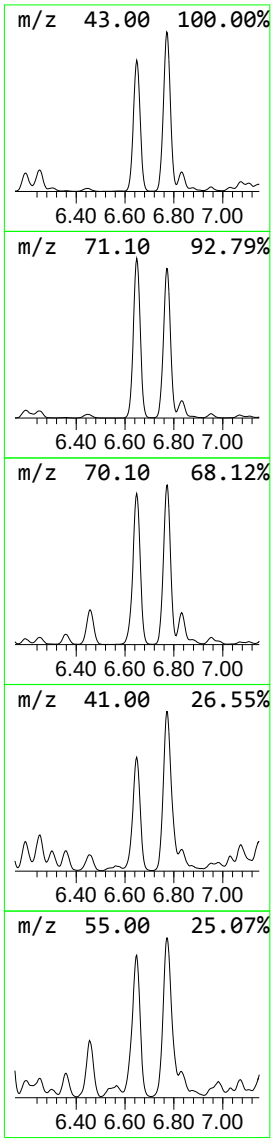
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.648	2.13 ug/L	3941690	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

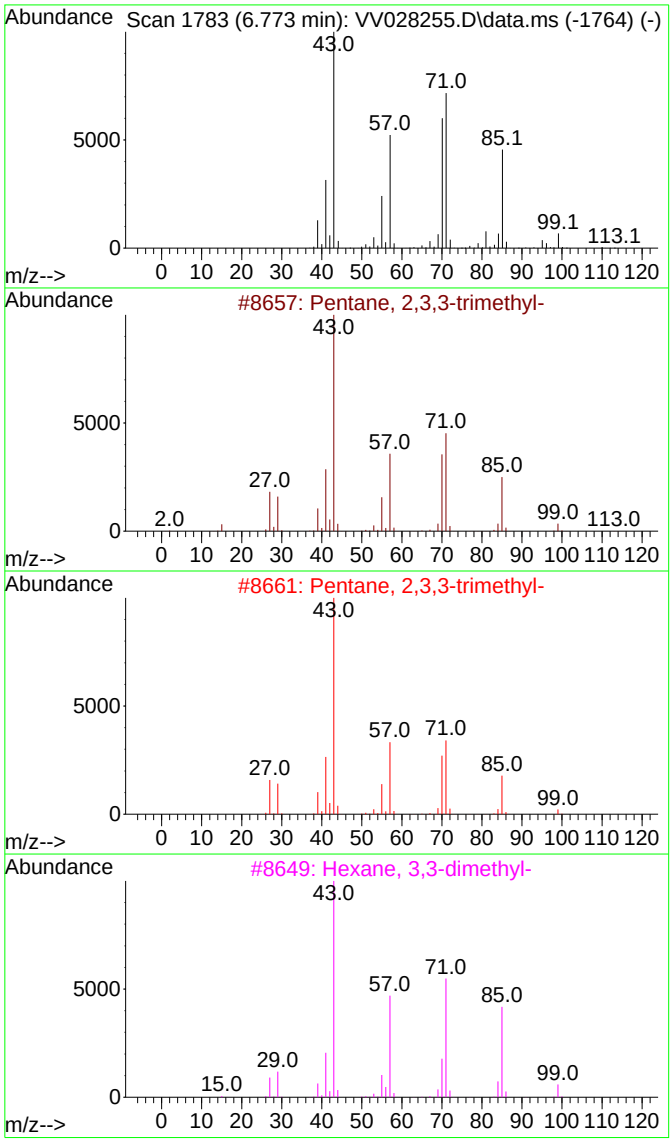
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

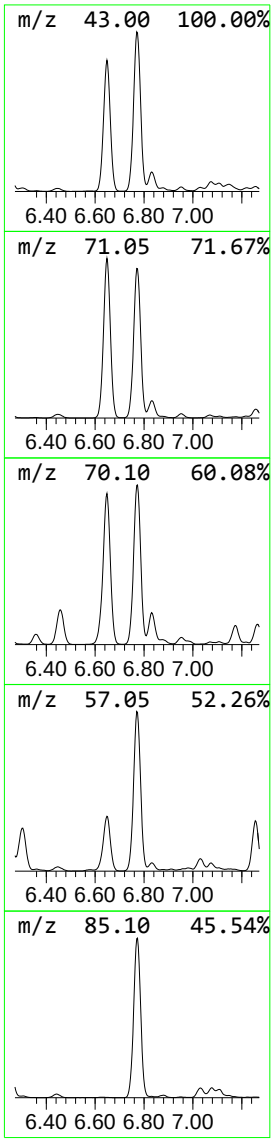
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.773	4.03 ug/L	7469980	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

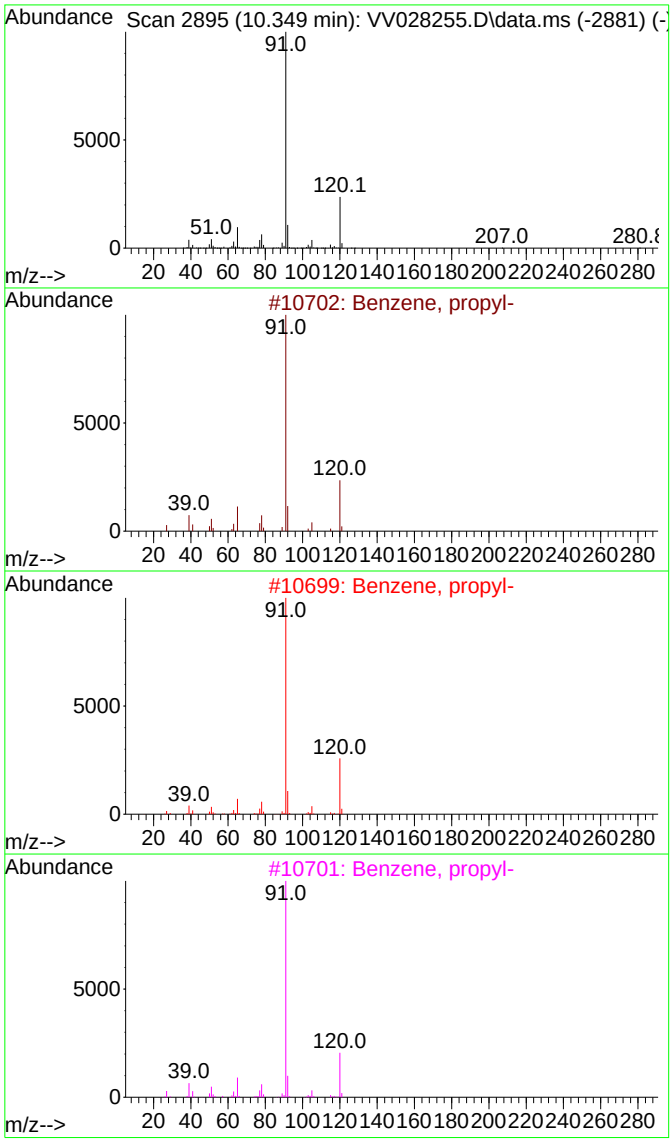
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

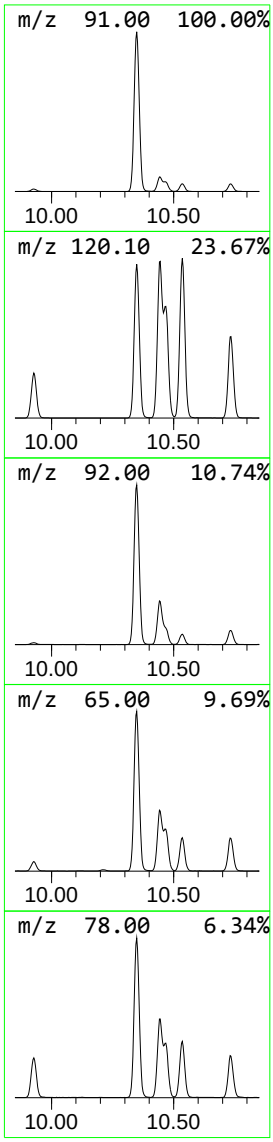
****

Peak Number 16 Benzene, propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.349	16.02 ug/L	7055630	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	64





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Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

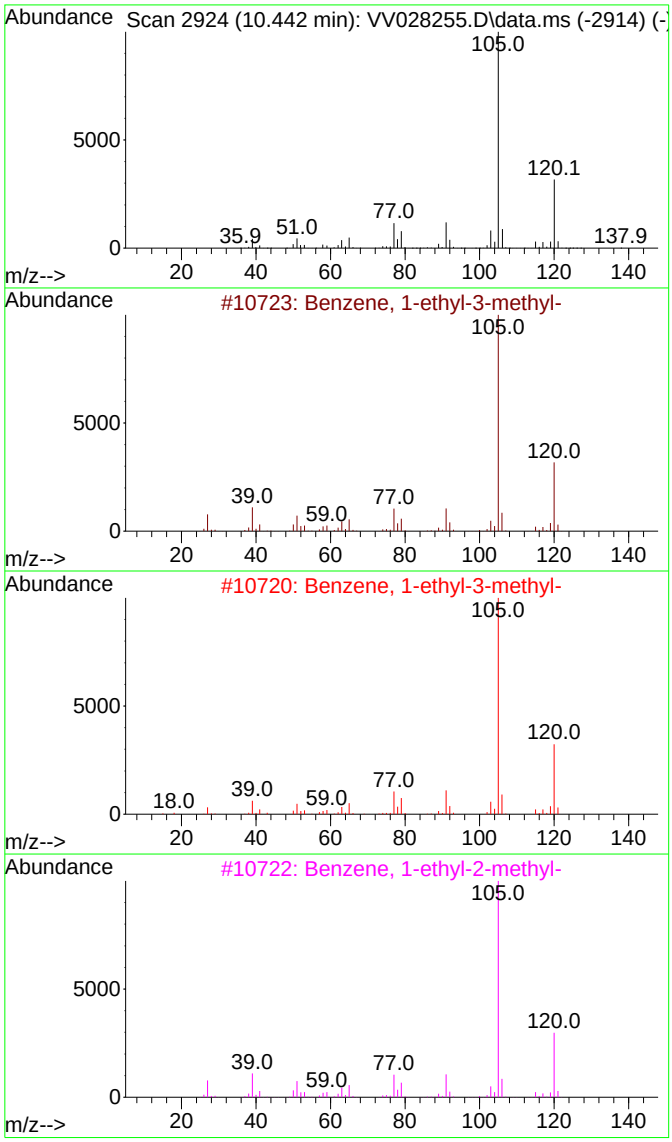
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

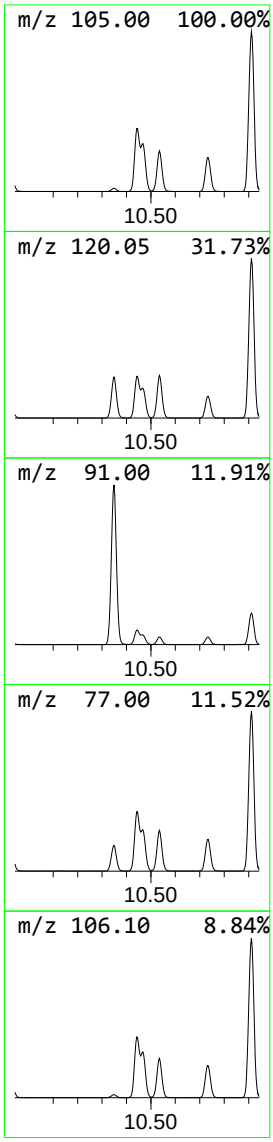
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.442	15.30 ug/L	6740650	1,4-Dichlorobenzene-d4	11.246

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	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

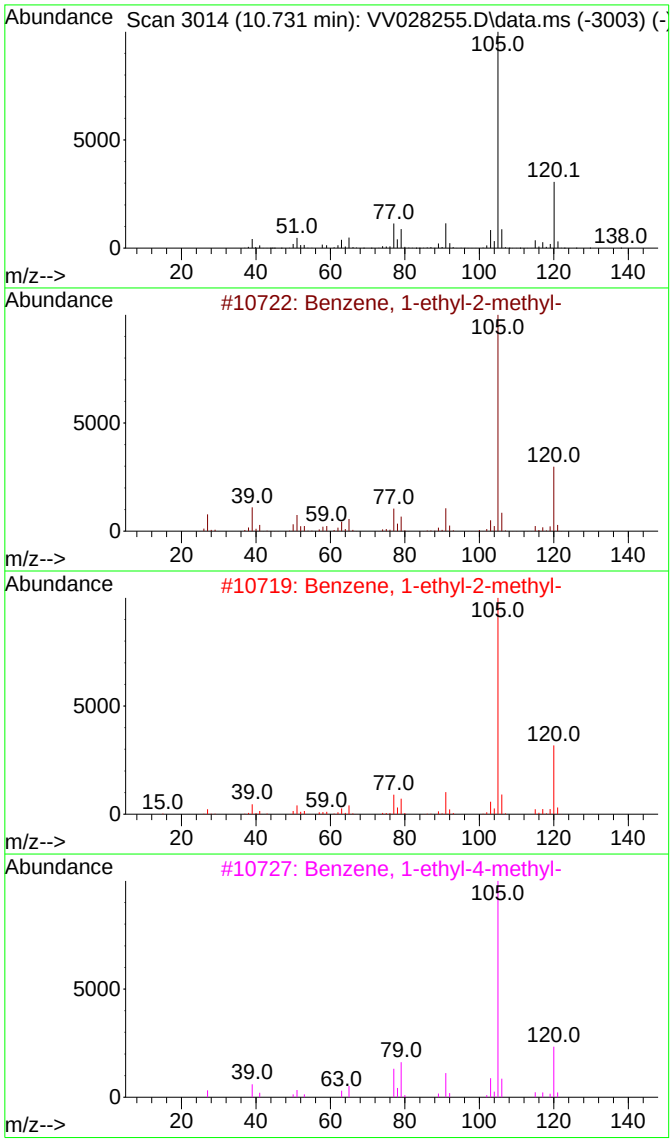
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

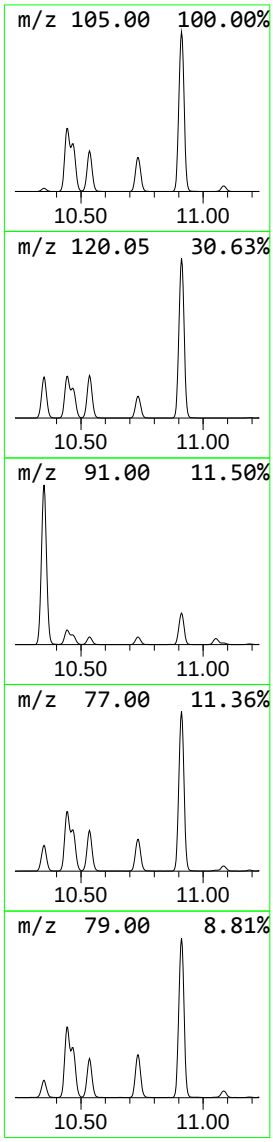
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.731	8.41 ug/L	3703260	1,4-Dichlorobenzene-d4	11.246

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-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





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Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

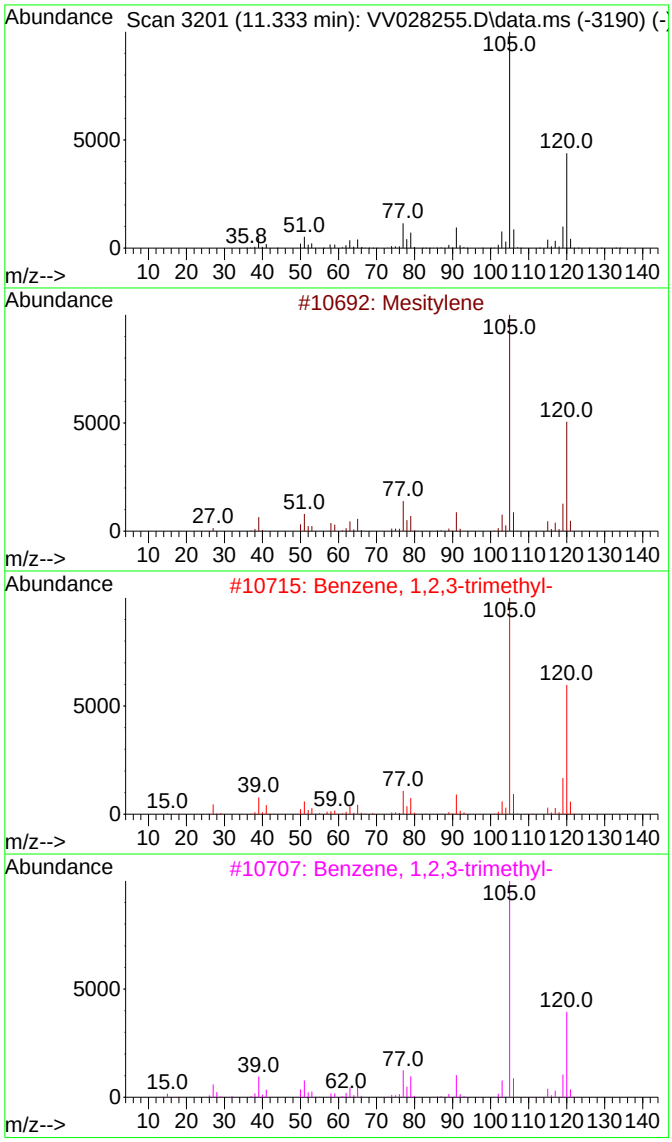
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

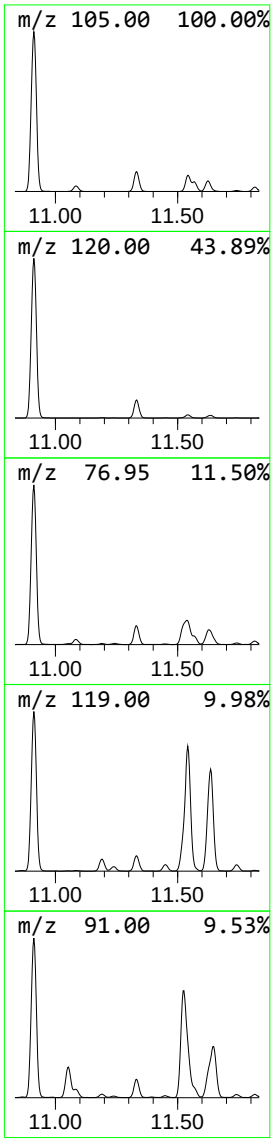
****

Peak Number 19 Benzene, 1,2,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.333	5.00 ug/L	2202490	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

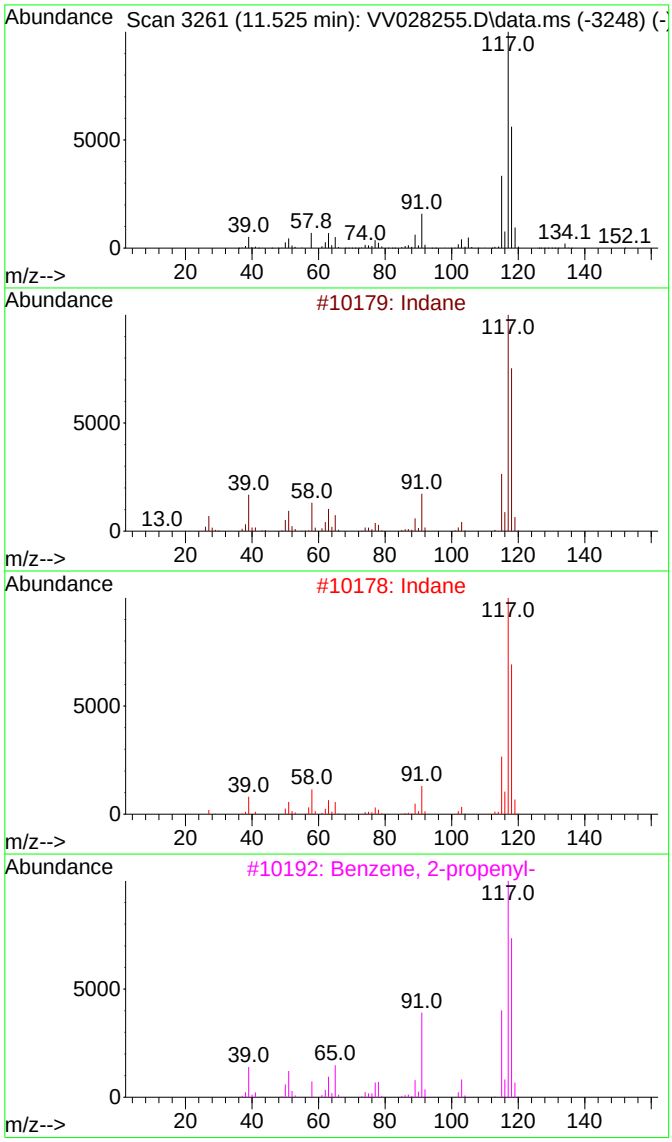
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

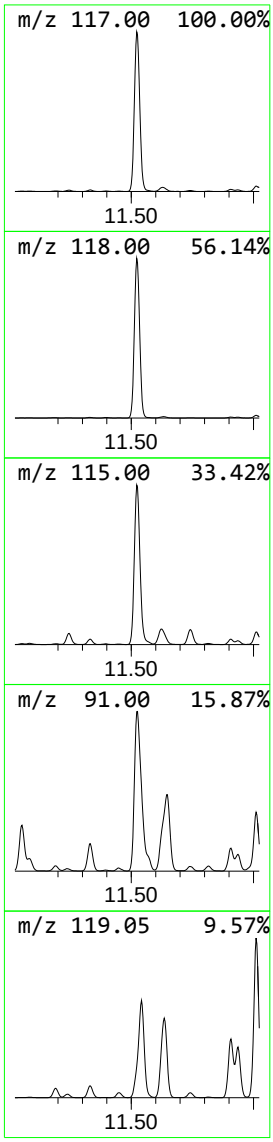
****

Peak Number 20 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.525	28.83 ug/L	12698300	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Indane	118	C9H10	000496-11-7	81
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

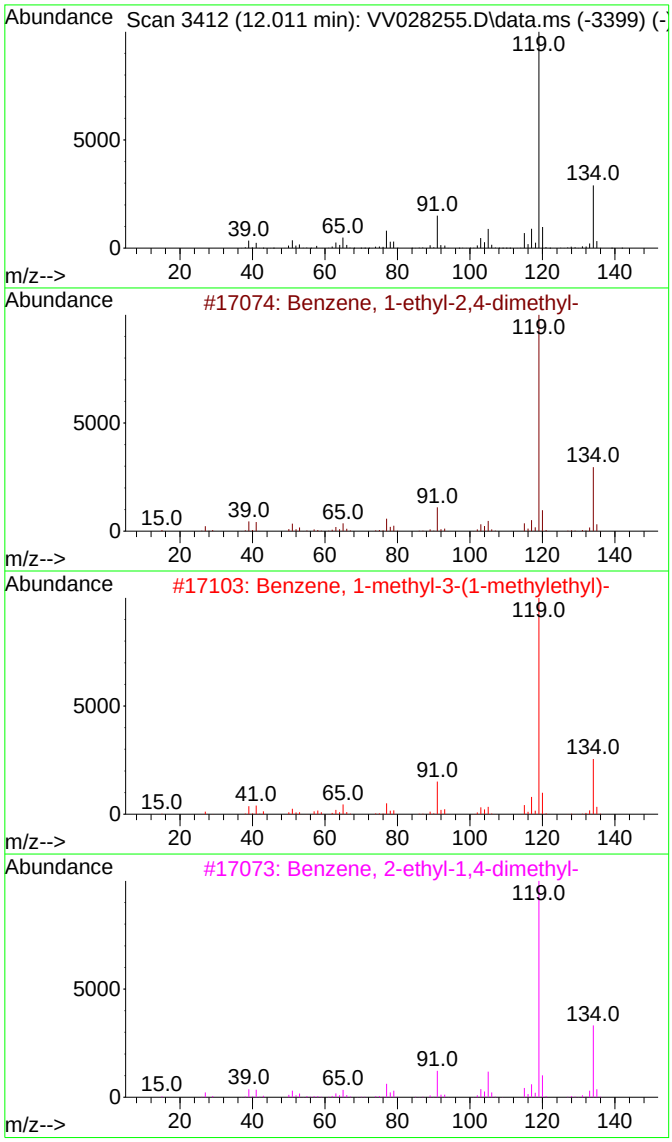
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

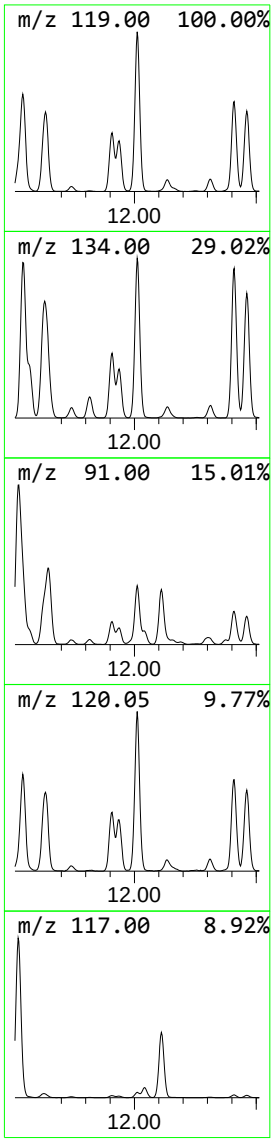
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.011	6.54 ug/L	2879410	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

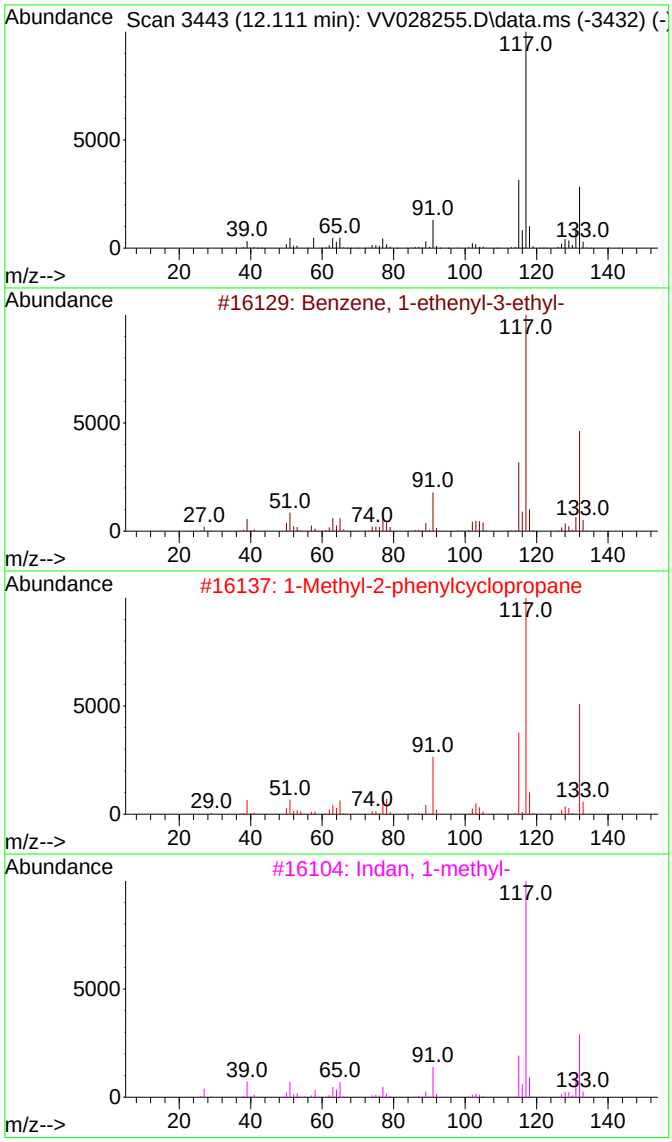
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

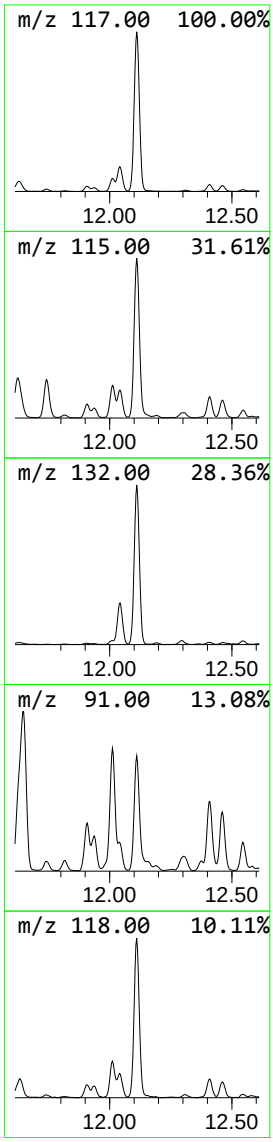
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.111	8.51 ug/L	3750070	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

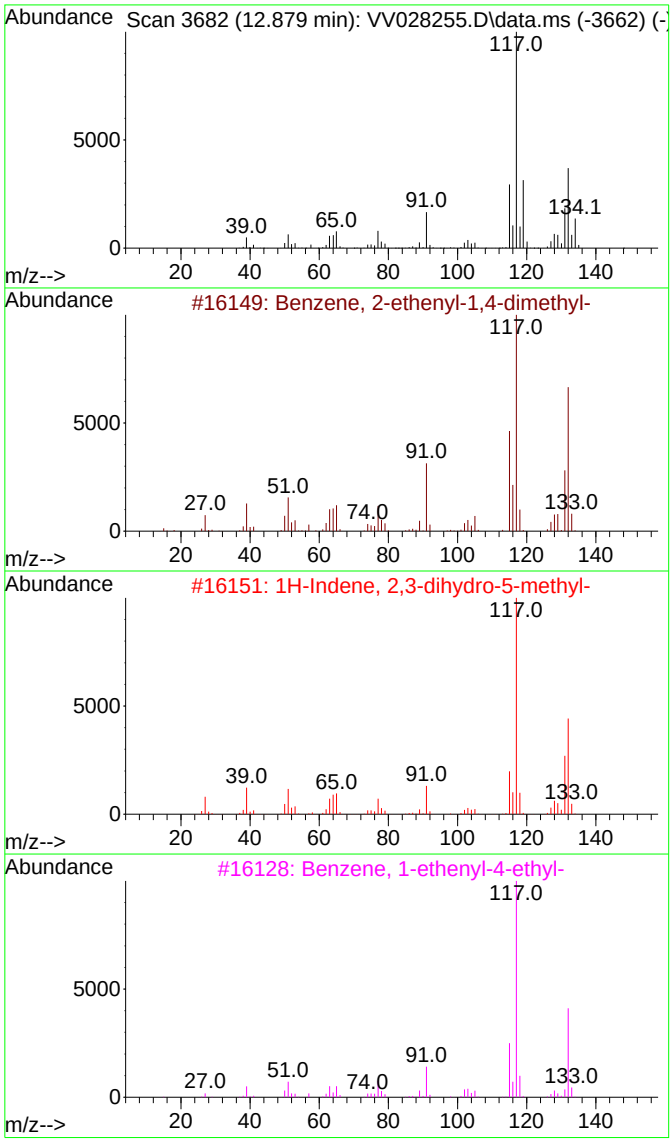
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

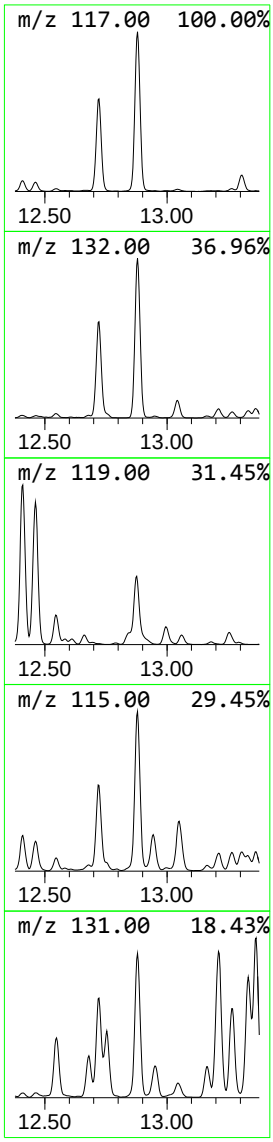
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.879	7.61 ug/L	3351780	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	89
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

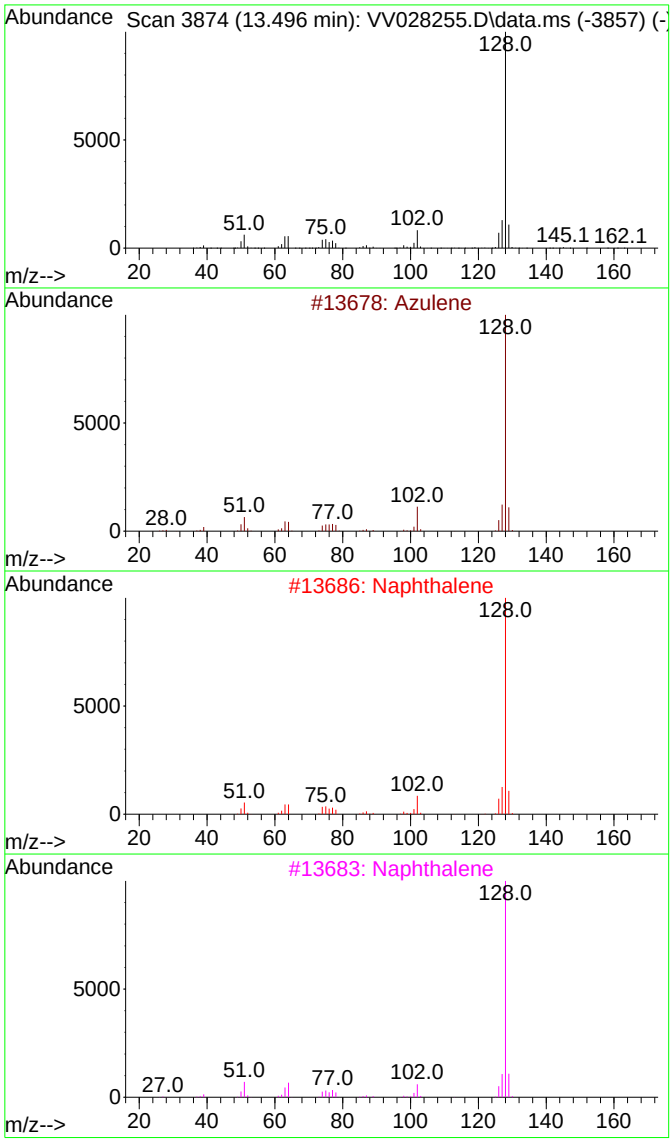
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

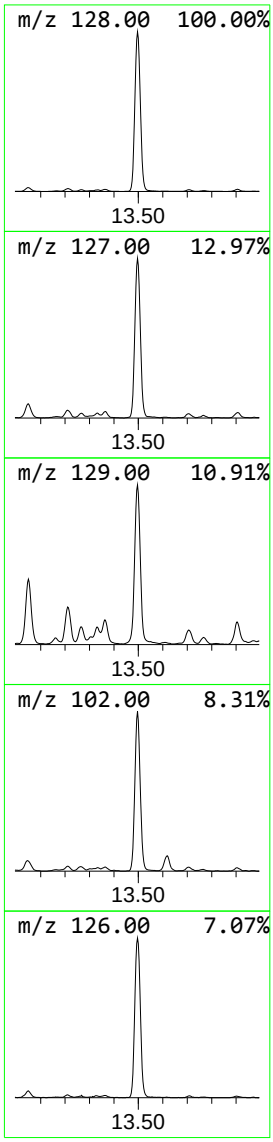
****

Peak Number 24 Azulene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.496	6.67 ug/L	2937250	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	95
2	Naphthalene	128	C10H8	000091-20-3	95
3	Naphthalene	128	C10H8	000091-20-3	94
4	Naphthalene	128	C10H8	000091-20-3	94
5	Azulene	128	C10H8	000275-51-4	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028255.D
Acq On : 01 Oct 2022 03:28
Operator : SY/MD
Sample : N4856-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F5H36

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.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...	1.211	1.9	ug/L	3444090	1	5.613	9266690	5.0
(DEL) Alkane: S...	1.626	18.9	ug/L	35122700	1	5.613	9266690	5.0
(DEL) Alkane: S...	1.799	4.0	ug/L	7386700	1	5.613	9266690	5.0
(DEL) Alkane: S...	1.892	1.7	ug/L	3232890	1	5.613	9266690	5.0
(DEL) Alkane: C...	2.015	4.4	ug/L	8207870	1	5.613	9266690	5.0
(DEL) Alkane: S...	2.487	8.6	ug/L	16008200	1	5.613	9266690	5.0
(DEL) Alkane: C...	2.568	3.3	ug/L	6172750	1	5.613	9266690	5.0
(DEL) Alkane: S...	2.751	4.1	ug/L	7540140	1	5.613	9266690	5.0
(DEL) Alkane: S...	3.262	1.2	ug/L	2198050	1	5.613	9266690	5.0
(DEL) Alkane: S...	3.658	1.7	ug/L	3232610	1	5.613	9266690	5.0
(DEL) Alkane: C...	3.754	5.4	ug/L	9973210	1	5.613	9266690	5.0
(DEL) Alkane: S...	4.757	4.4	ug/L	8140010	1	5.613	9266690	5.0
(DEL) Alkane: S...	5.230	5.0	ug/L	9266690	1	5.613	9266690	5.0
(DEL) Alkane: S...	6.648	2.1	ug/L	3941690	1	5.613	9266690	5.0
(DEL) Alkane: S...	6.773	4.0	ug/L	7469980	1	5.613	9266690	5.0
Benzene, propyl-	10.349	16.0	ug/L	7055630	3	11.246	2202490	5.0
Benzene, 1-ethy...	10.442	15.3	ug/L	6740650	3	11.246	2202490	5.0
Benzene, 1-ethy...	10.731	8.4	ug/L	3703260	3	11.246	2202490	5.0
Benzene, 1,2,3-...	11.333	5.0	ug/L	2202490	3	11.246	2202490	5.0
Indane	11.525	28.8	ug/L	12698300	3	11.246	2202490	5.0
Benzene, 1-ethy...	12.011	6.5	ug/L	2879410	3	11.246	2202490	5.0
Benzene, 1-ethe...	12.111	8.5	ug/L	3750070	3	11.246	2202490	5.0
Benzene, 2-ethe...	12.879	7.6	ug/L	3351780	3	11.246	2202490	5.0
Azulene	13.496	6.7	ug/L	2937250	3	11.246	2202490	5.0