LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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: VV028235.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.214	48	54	65	rBV	41770	40934	2.00%	0.315%
2	1.301	73	81	94	rBV	106786	111912	5.47%	0.861%
3	1.426	102	120	123	rBV	32783	79154	3.87%	0.609%
4	1.561	156	162	177	rVB	92825	121512	5.94%	0.935%
5	2.101	320	330	345	rVB	197076	294599	14.39%	2.266%
6	3.899	870	889	928	rBV2	60461	241304	11.79%	1.856%
7	4.339	1011	1026	1060	rBV	118298	324783	15.86%	2.498%
8	4.667	1113	1128	1142	rBV4	20802	51708	2.53%	0.398%
9	4.754	1143	1155	1172	rVB3	17131	43583	2.13%	0.335%
10	4.937	1193	1212	1230	rBV4	147840	383500	18.73%	2.950%
11	5.040	1230	1244	1255	rBV2	282728	680611	33.24%	5.235%
12	5.169	1278	1284	1297	rVB5	15812	32241	1.57%	0.248%
13	5.246	1300	1308	1319	rVB5	18658	38777	1.89%	0.298%
14	5.609	1409	1421	1444	rBV	183991	376956	18.41%	2.899%
15	6.066	1549	1563	1590	rBV3	151703	418114	20.42%	3.216%
16	6.461	1670	1686	1698	rBV5	15729	33908	1.66%	0.261%
17	6.622	1721	1736	1749	rBV7	19935	44766	2.19%	0.344%
18	6.792	1772	1789	1802	rBV3	25467	51248	2.50%	0.394%
19	6.982	1833	1848	1869	rBV3	93806	183187	8.95%	1.409%
20	7.310	1940	1950	1977	rVV	318844	573882	28.03%	4.414%
21	7.442	1979	1991	2007	rVB	45675	87475	4.27%	0.673%
22	7.561	2013	2028	2036	rBV	35462	68496	3.35%	0.527%
23	7.619	2038	2046	2050	rBV4	39936	60142	2.94%	0.463%
24	7.706	2066	2073	2083	rVB2	20400	35062	1.71%	0.270%
25	7.783	2086	2097	2107	rVB2	25316	46888	2.29%	0.361%
26	8.085	2180	2191	2217	rBV	315004	595633	29.09%	4.581%
27	8.227	2228	2235	2250	rVB2	28536	51475	2.51%	0.396%
28	8.333	2252	2268	2279	rVV	52088	89710	4.38%	0.690%
29	8.400	2279	2289	2308	rVB	127199	210169	10.27%	1.616%
30	8.847	2418	2428	2443	rBV	282492	467469	22.83%	3.595%
31	8.931	2444	2454	2472	rVB	72362	134380	6.56%	1.034%
32	9.056	2480	2493	2503	rBV	1187170	1727176	84.36%	13.284%
33	9.111	2503	2510	2529	rVB5	121665	260377	12.72%	2.003%
34	9.230	2534	2547	2554	rBV6	12907	25349	1.24%	0.195%
35	9.323	2565	2576	2586	rVB7	11238	22333	1.09%	0.172%
36	9.490	2617	2628	2639	rVB5	11910	22523	1.10%	0.173%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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

37	10.214	2841	2853	2869	rBV	119058	190857	9.32%	1.468%
38	10.390	2892	2908	2921	rBV	187133	297193	14.52%	2.286%
39	10.860	3040	3054	3065	rVB2	31668	61288	2.99%	0.471%
40	11.236	3159	3171	3194	rVB2	1113577	2047283	100.00%	15.746%
41	11.448	3227	3237	3245	rBV2	33857	54750	2.67%	0.421%
42	11.522	3245	3260	3274	rVV	918100	1458036	71.22%	11.214%
43	11.619	3280	3290	3317	rVB	359367	613455	29.96%	4.718%
44	11.802	3338	3347	3352	rBV4	17279	25512	1.25%	0.196%
45	12.024	3407	3416	3435	rVB6	41837	111699	5.46%	0.859%
46	12.111	3435	3443	3453	rBV2	18793	28615	1.40%	0.220%
47	12.294	3493	3500	3509	rVB2	24493	36444	1.78%	0.280%
48	12.410	3527	3536	3546	rVB2	29467	45505	2.22%	0.350%

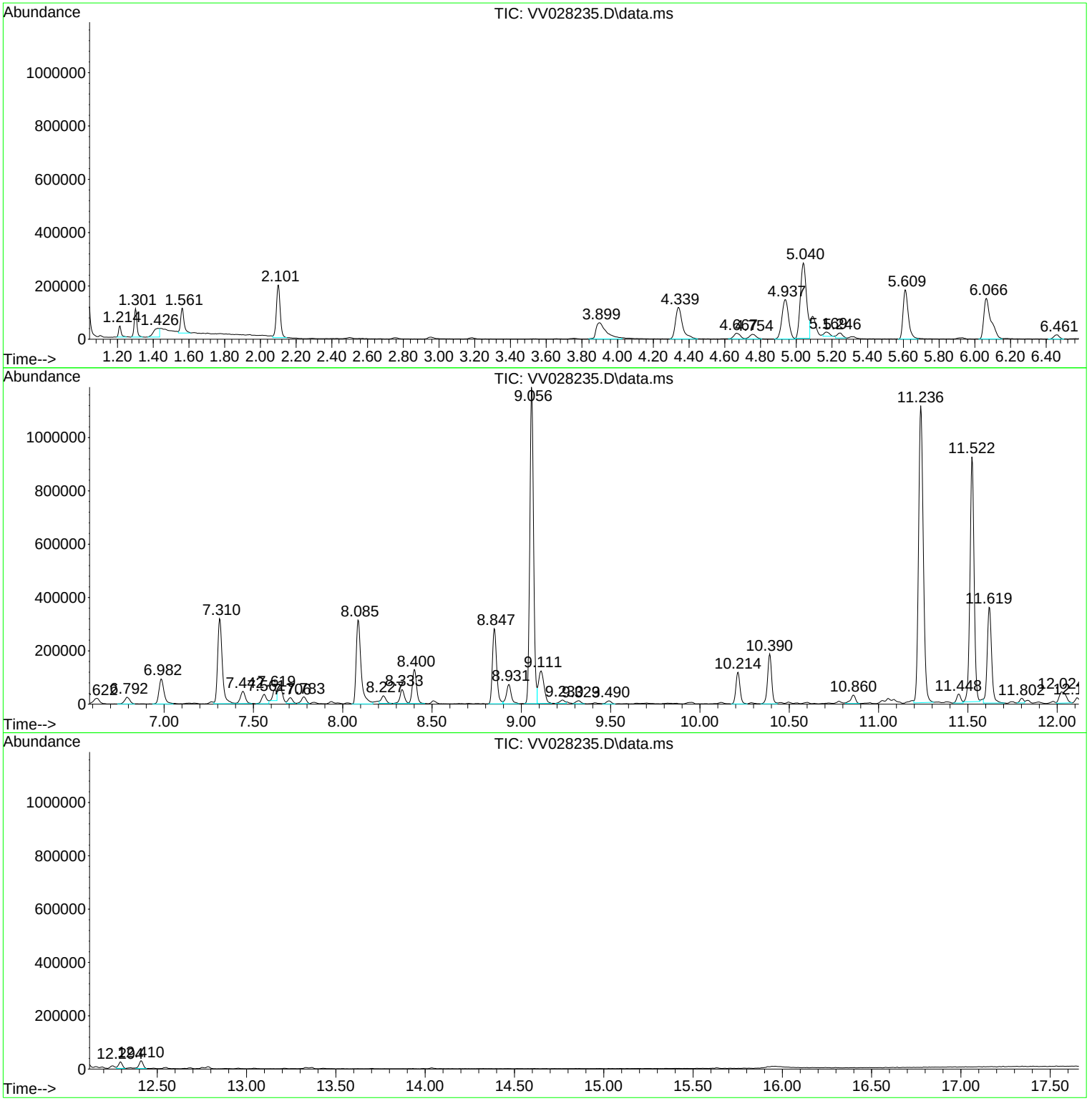
Sum of corrected areas: 13001973

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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 : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

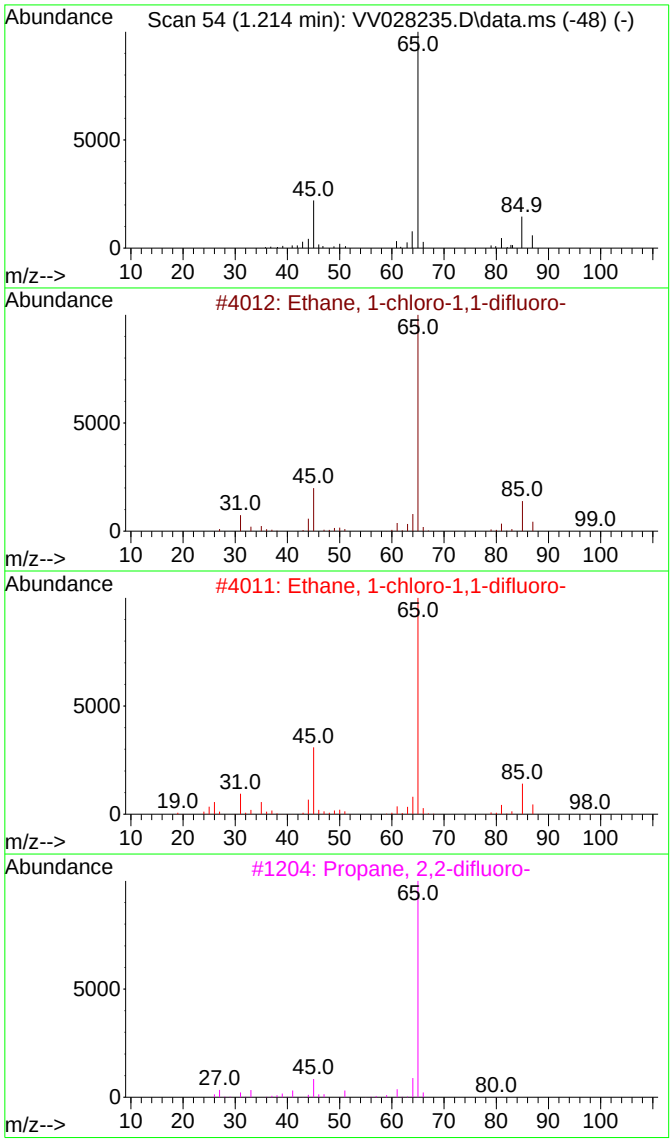
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

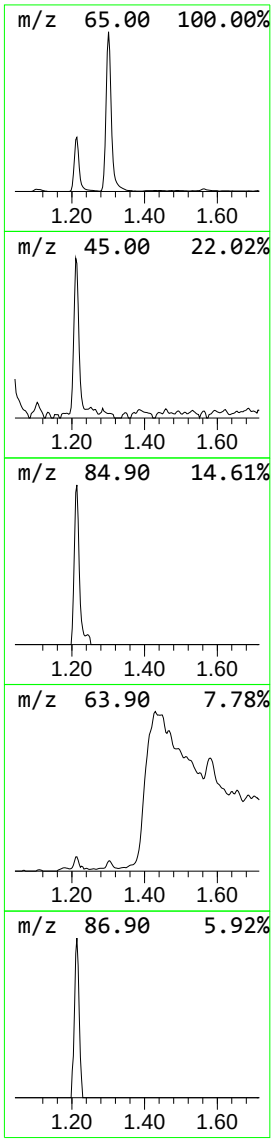
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Ethane, 1-chloro-1,1-difluoro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.214	0.54 ug/L	40934	1,4-Difluorobenzene	5.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1-chloro-1,1-difluoro-	100	C2H3ClF2	000075-68-3	83
2	Ethane, 1-chloro-1,1-difluoro-	100	C2H3ClF2	000075-68-3	83
3	Propane, 2,2-difluoro-	80	C3H6F2	000420-45-1	64
4	Propane, 2,2-difluoro-	80	C3H6F2	000420-45-1	4
5	2,2-Difluoropropionic acid	110	C3H4F2O2	000373-96-6	2





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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

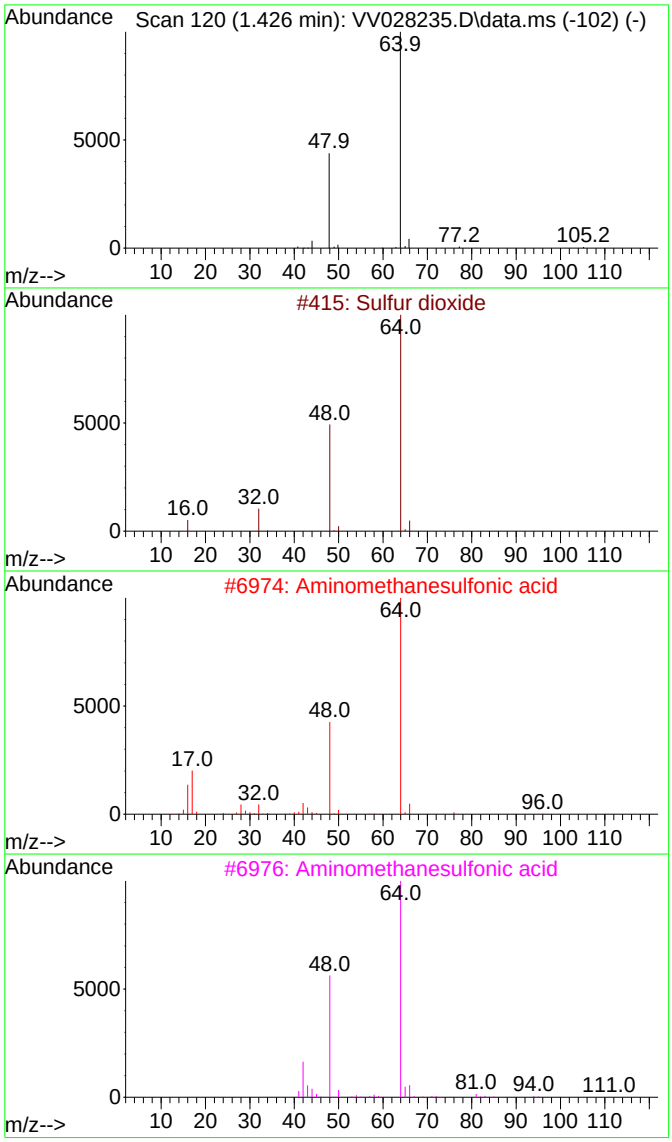
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

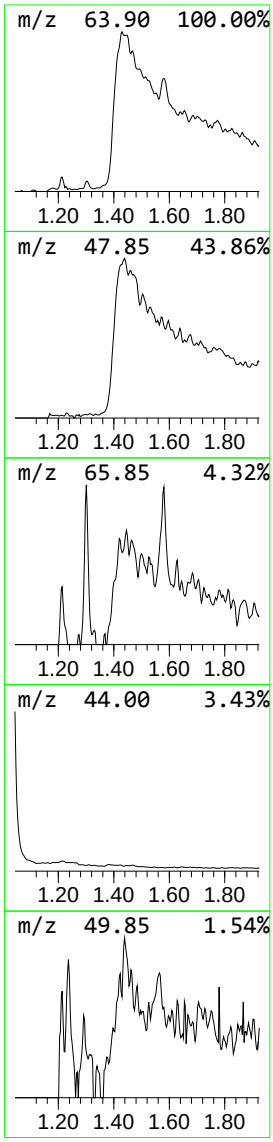
****

Peak Number 2 Sulfur dioxide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.426	1.05 ug/L	79154	1,4-Difluorobenzene	5.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	64
5	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

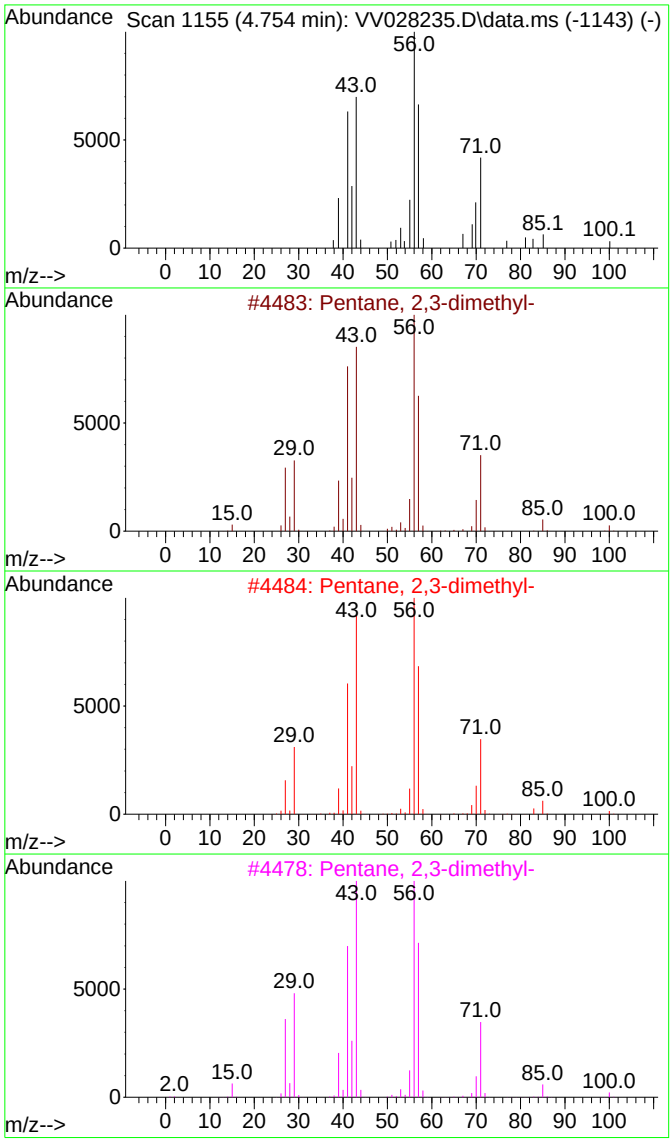
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

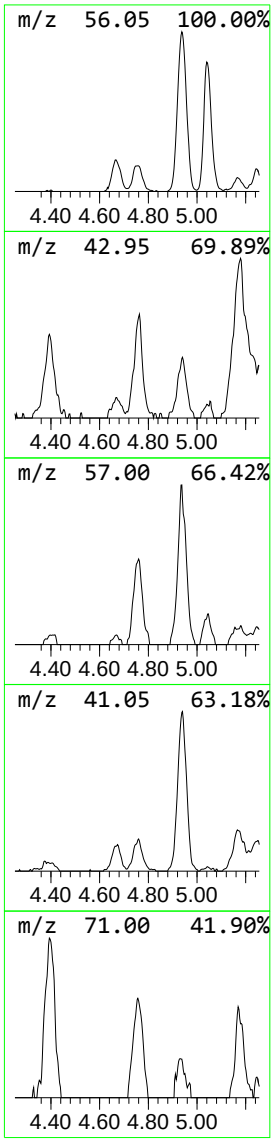
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.754	0.58 ug/L	43583	1,4-Difluorobenzene	5.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	50
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

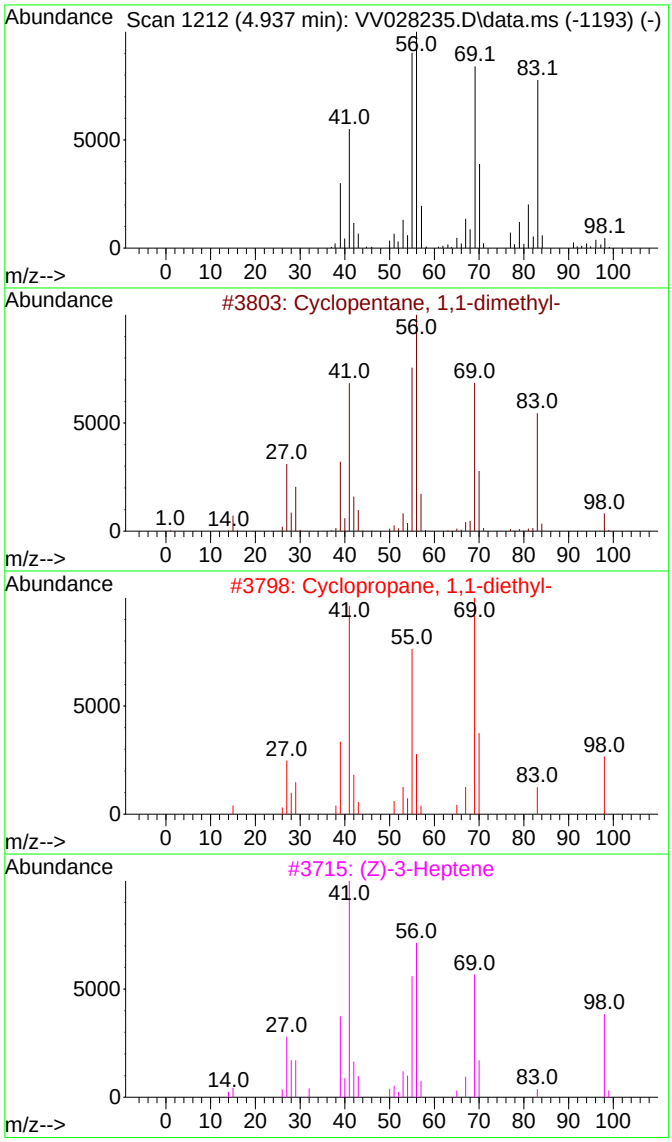
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

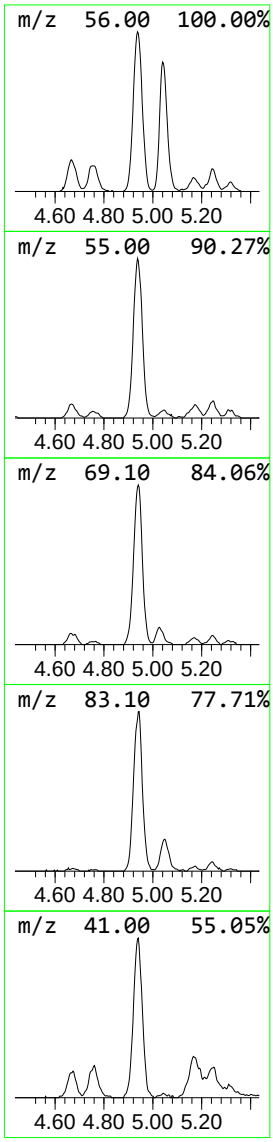
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic4.937 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	5.09 ug/L	383500	1,4-Difluorobenzene	5.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	78
2	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	50
3	(Z)-3-Heptene	98	C7H14	007642-10-6	47
4	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	46
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

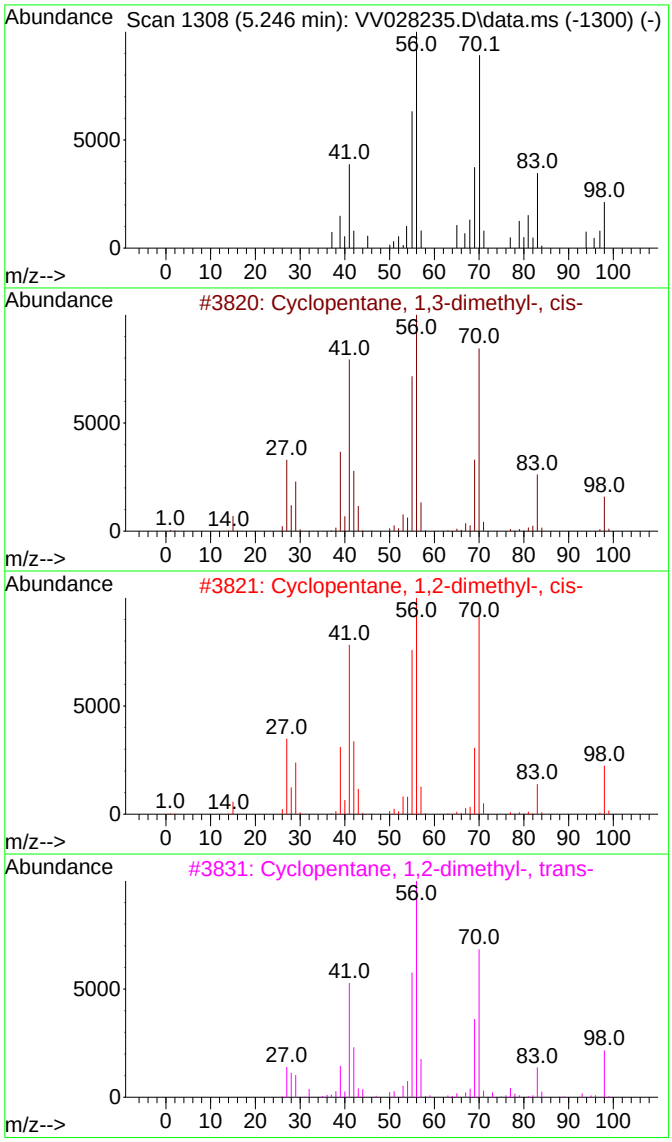
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

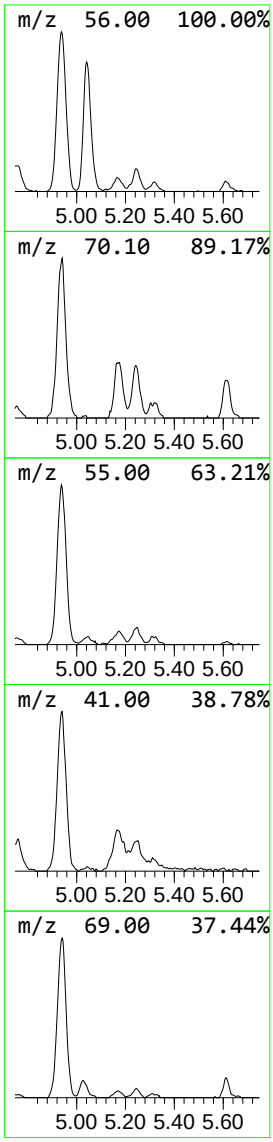
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic5.246 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.246	0.51 ug/L	38777	1,4-Difluorobenzene	5.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	74
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	64
5	1-Pentene, 3,4-dimethyl-	98	C7H14	007385-78-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

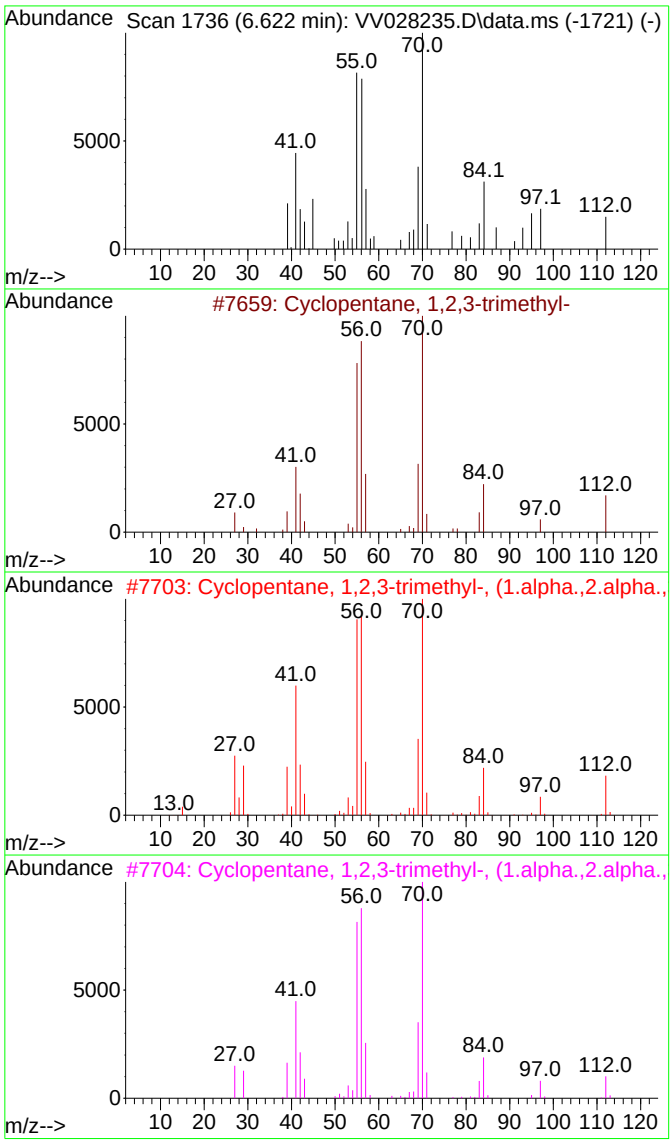
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

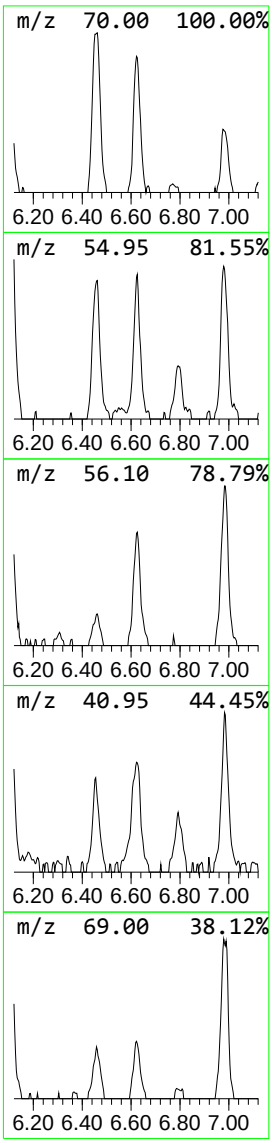
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic6.622 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.622	0.59 ug/L	44766	1,4-Difluorobenzene	5.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	81
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	76
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	76
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	74
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

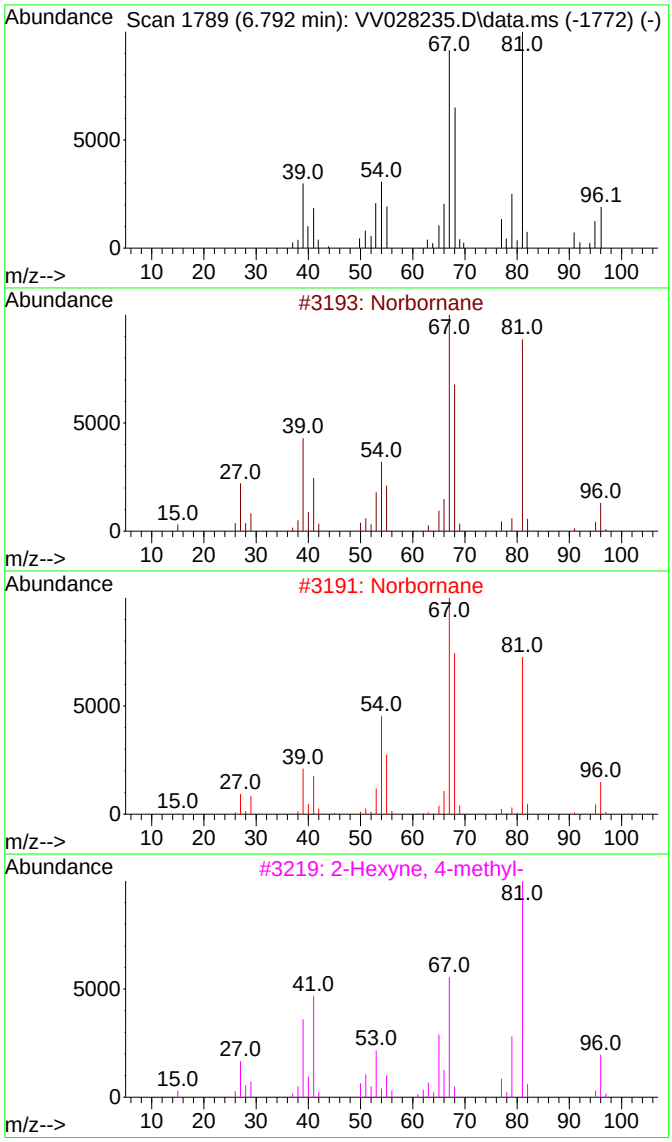
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

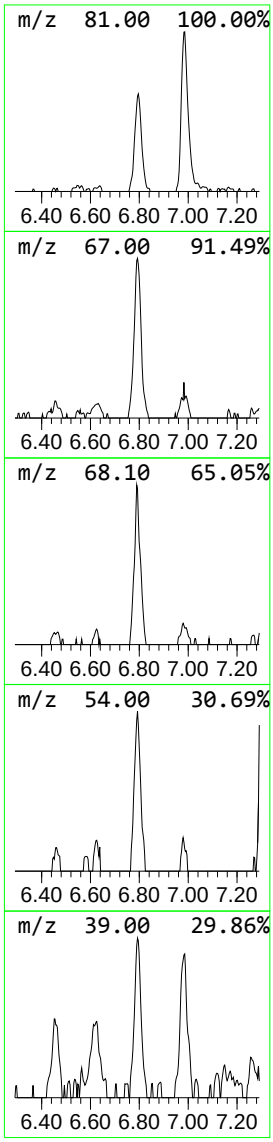
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Norbornane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.792	0.68 ug/L	51248	1,4-Difluorobenzene	5.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Norbornane	96	C7H12	000279-23-2	53
2	Norbornane	96	C7H12	000279-23-2	52
3	2-Hexyne, 4-methyl-	96	C7H12	020198-49-6	43
4	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	38
5	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

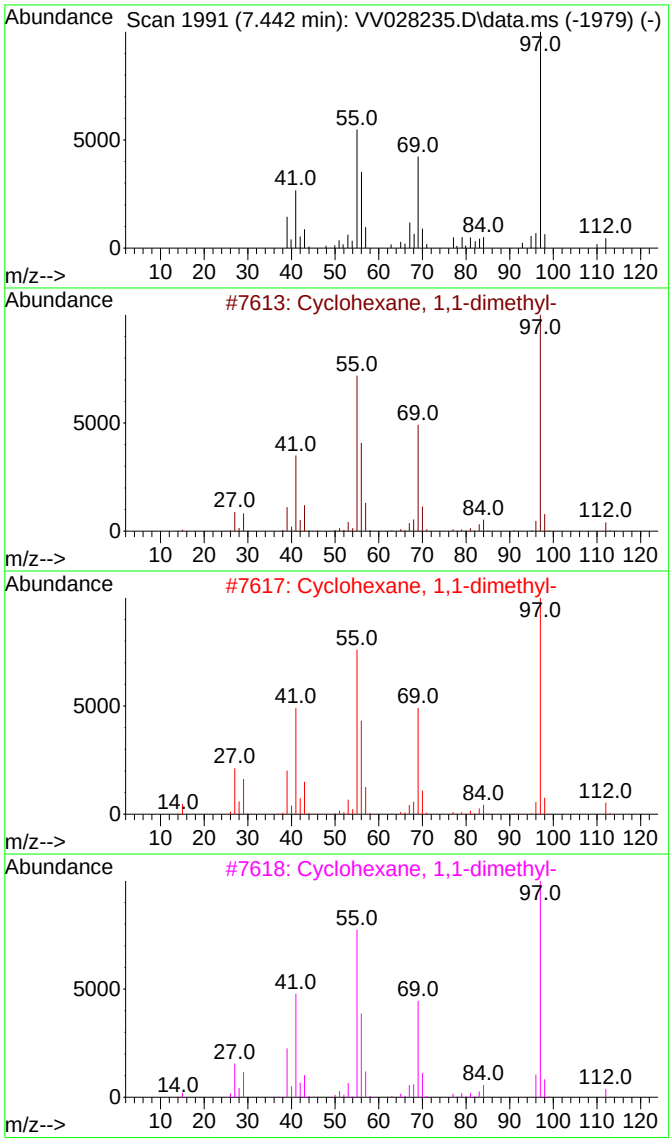
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

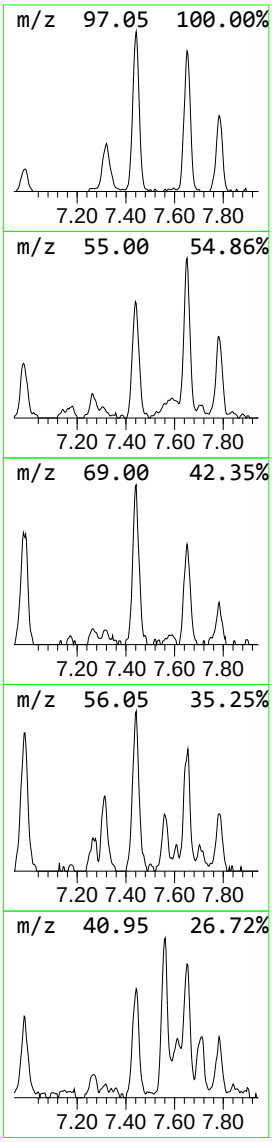
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic7.442 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.442	0.94 ug/L	87475	Chlorobenzene-d5	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
4	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	59
5	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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

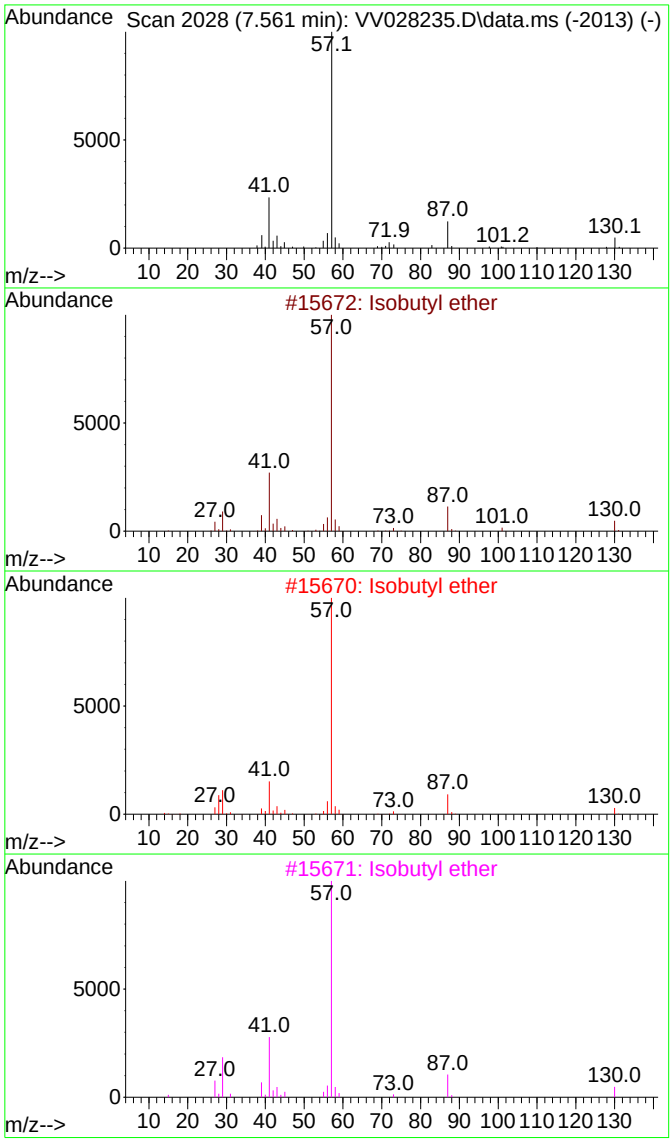
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

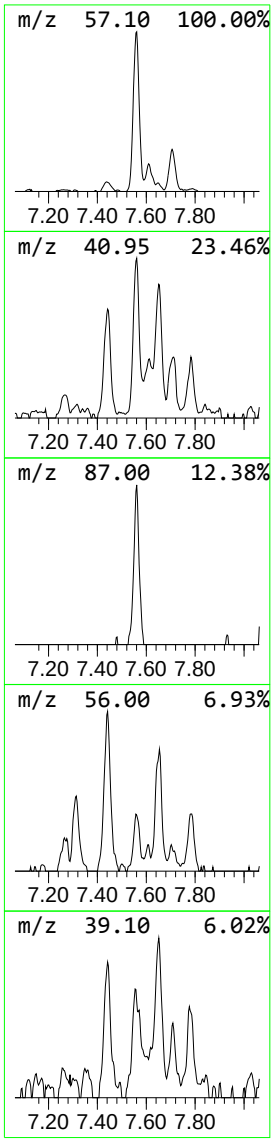
****

Peak Number 10 Isobutyl ether Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.561	0.73 ug/L	68496	Chlorobenzene-d5	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl ether	130	C8H18O	000628-55-7	87
2	Isobutyl ether	130	C8H18O	000628-55-7	87
3	Isobutyl ether	130	C8H18O	000628-55-7	87
4	Isobutyl ether	130	C8H18O	000628-55-7	87
5	n-Butyl ether	130	C8H18O	000142-96-1	53





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Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

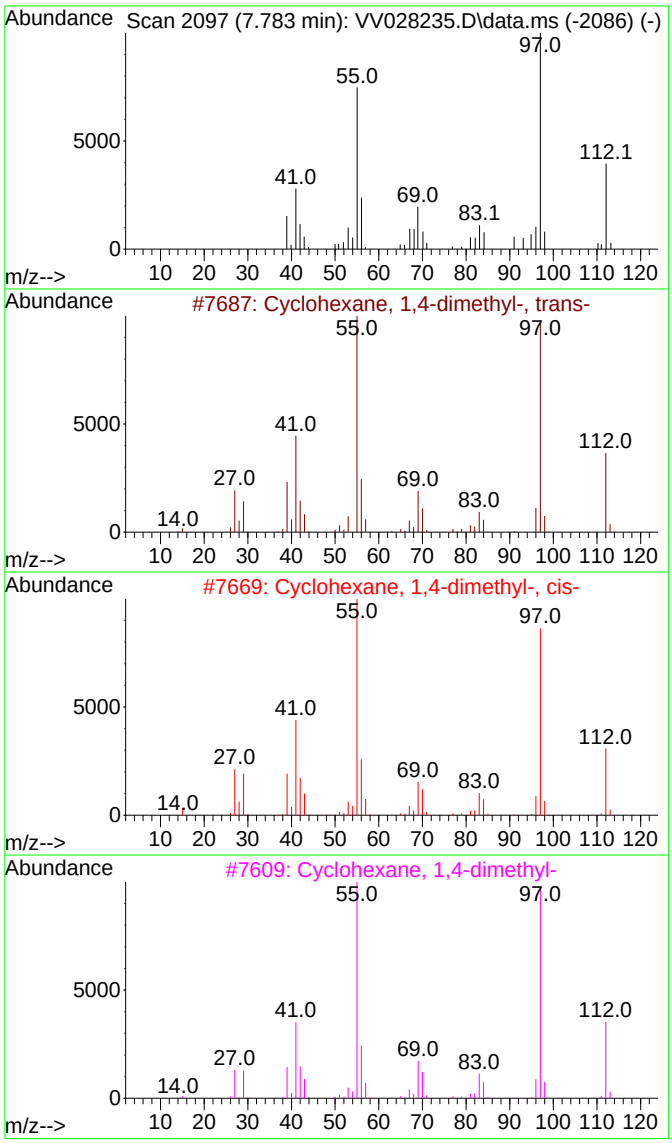
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

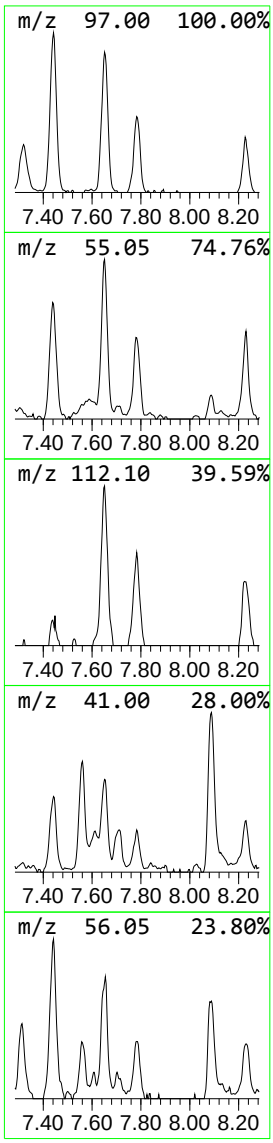
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic7.783 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.783	0.50 ug/L	46888	Chlorobenzene-d5	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90





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Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

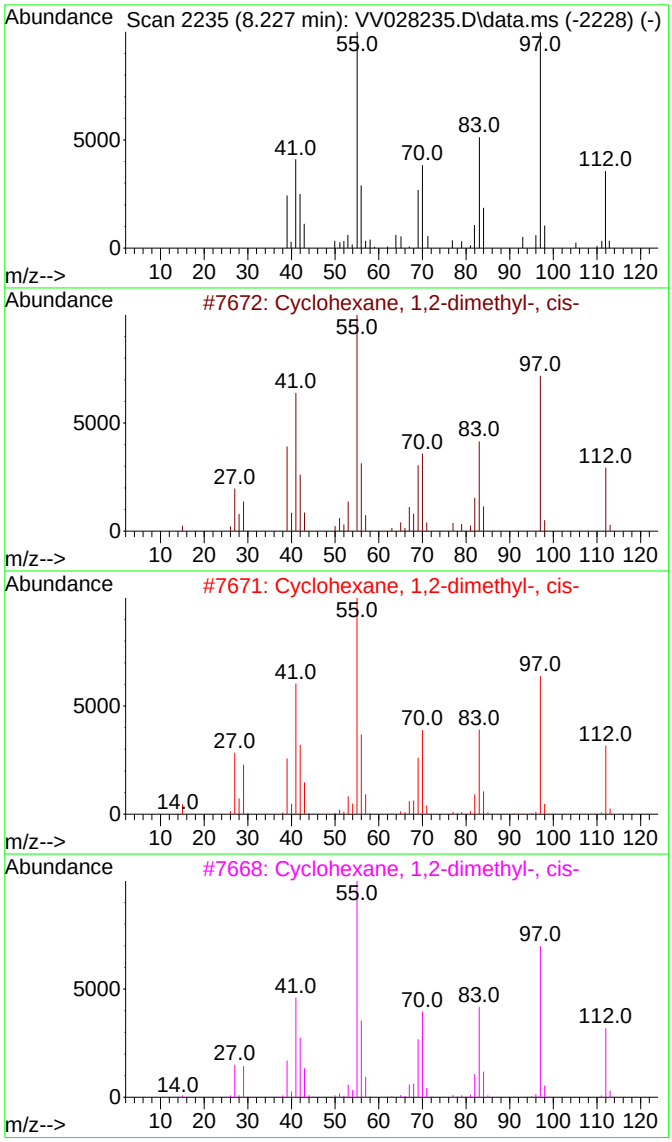
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

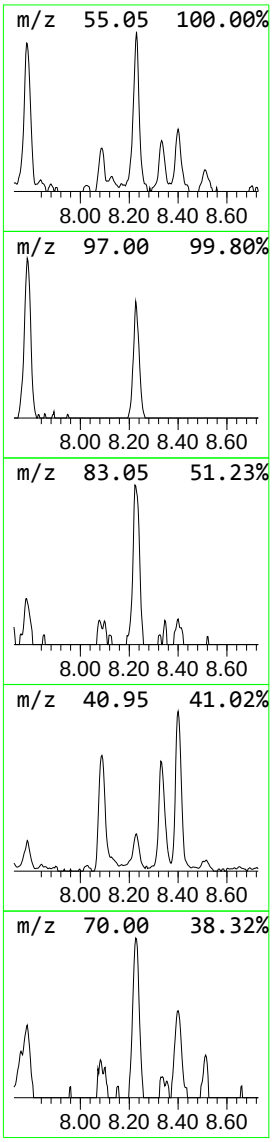
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic8.227 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.227	0.55 ug/L	51475	Chlorobenzene-d5	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	83
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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

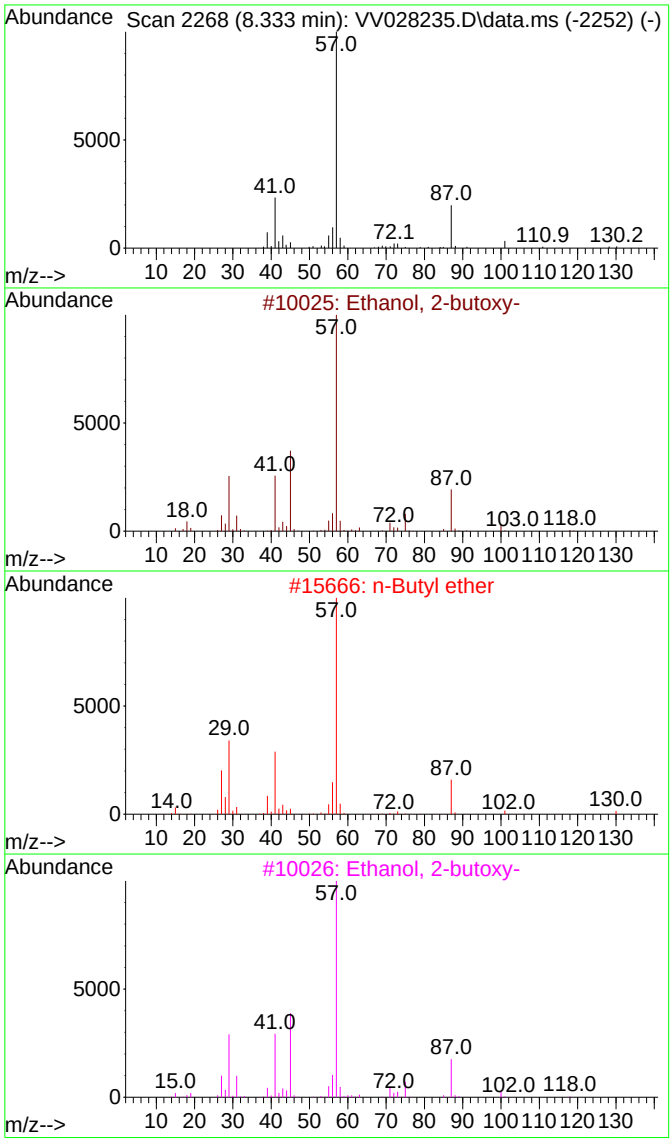
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

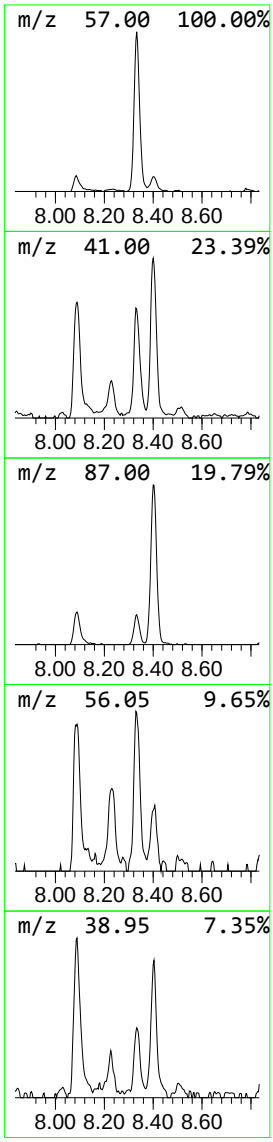
****

Peak Number 13 Ethanol, 2-butoxy- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.333	0.96 ug/L	89710	Chlorobenzene-d5	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	78
2	n-Butyl ether	130	C8H18O	000142-96-1	64
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	64
4	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	64
5	n-Butyl ether	130	C8H18O	000142-96-1	50





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Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

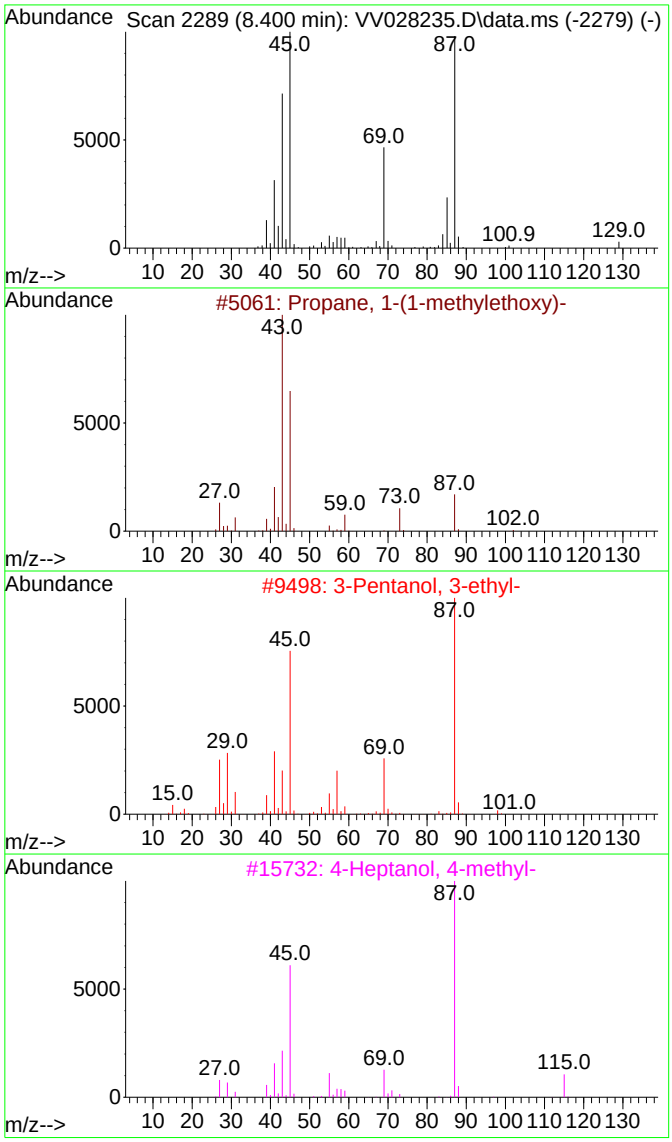
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

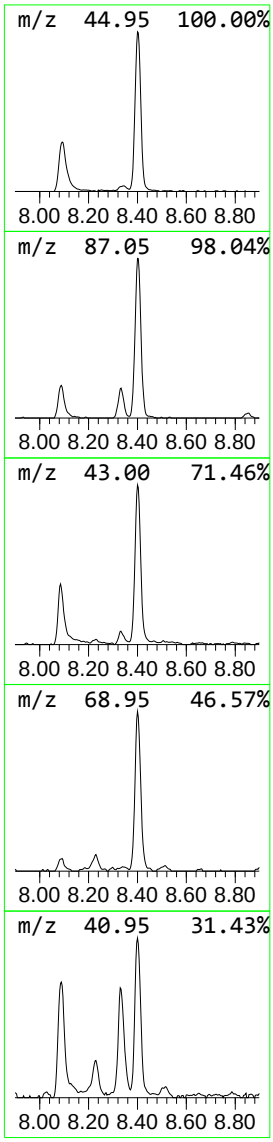
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Propane, 1-(1-methylethoxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.400	2.25 ug/L	210169	Chlorobenzene-d5	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	64
2	3-Pentanol, 3-ethyl-	116	C7H16O	000597-49-9	64
3	4-Heptanol, 4-methyl-	130	C8H18O	000598-01-6	64
4	3-Pentanol, 3-ethyl-	116	C7H16O	000597-49-9	64
5	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

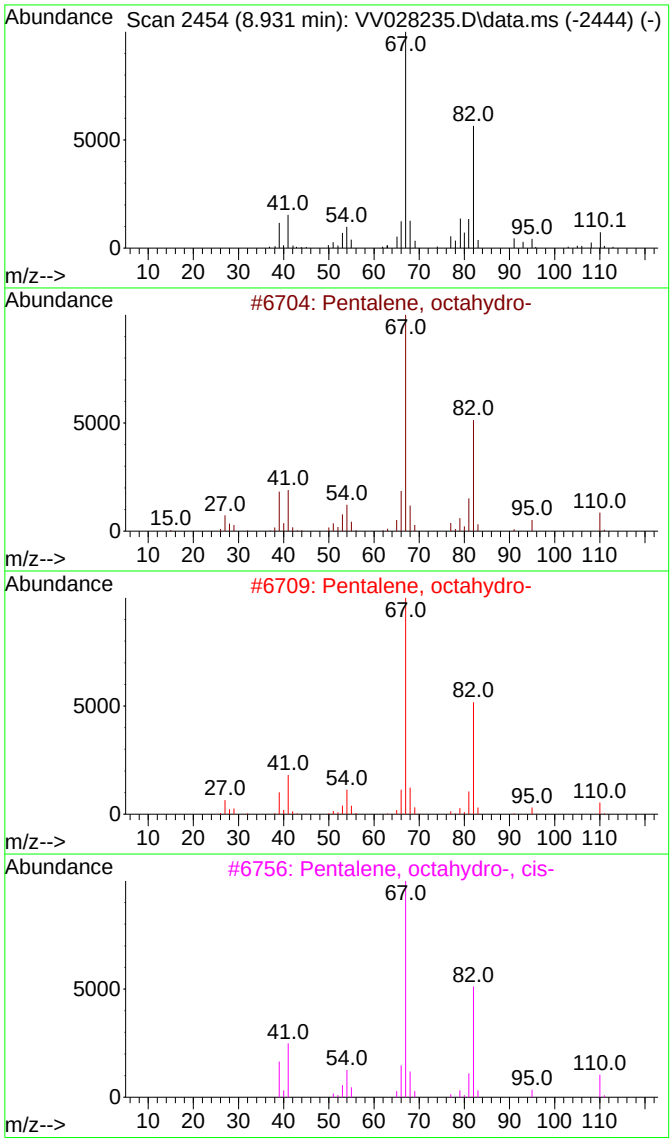
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

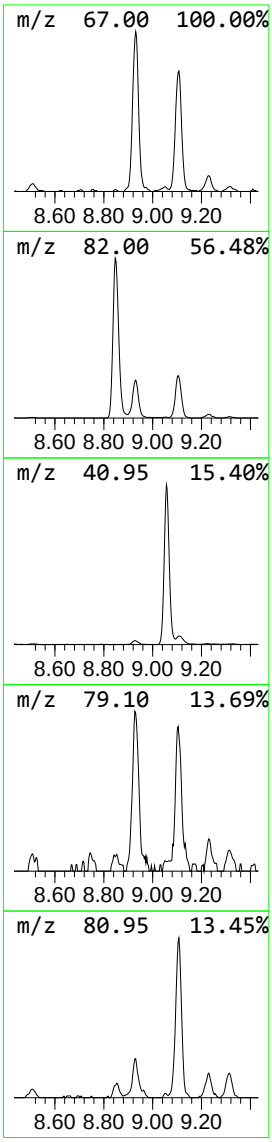
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Pentalene, octahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.931	1.44 ug/L	134380	Chlorobenzene-d5	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	91
2	Pentalene, octahydro-	110	C8H14	000694-72-4	90
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	90
4	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	90
5	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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

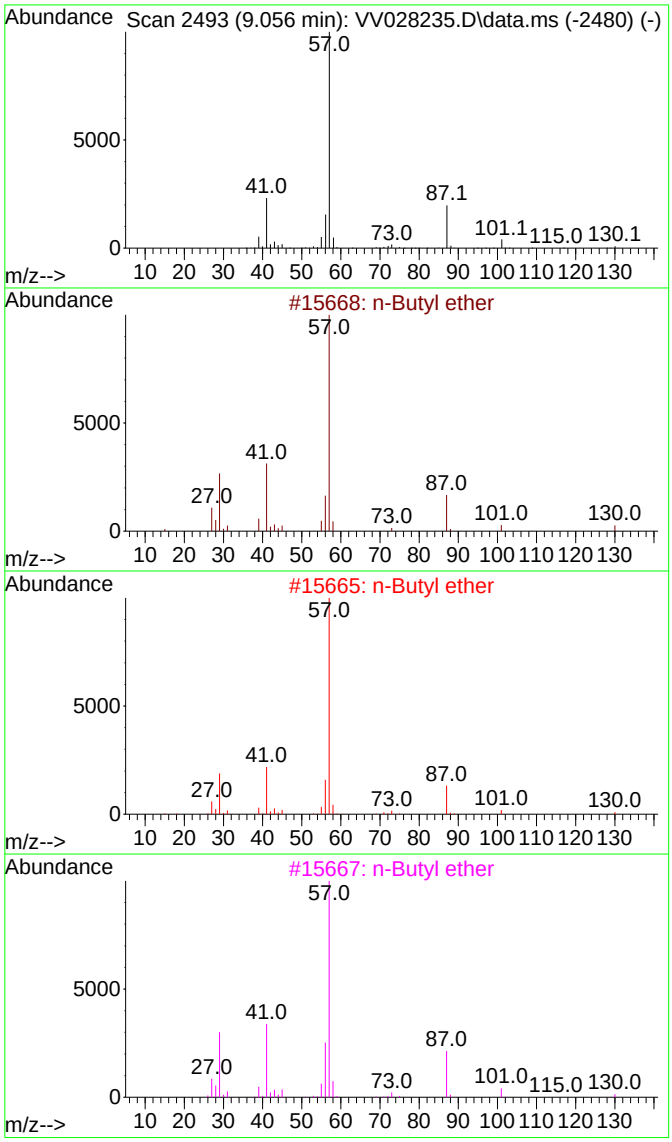
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

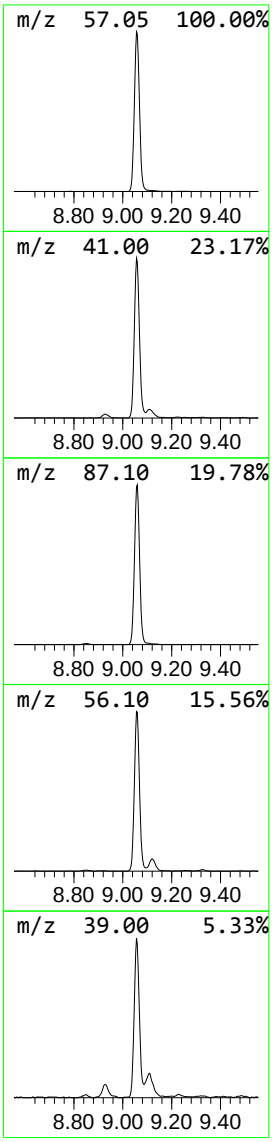
****

Peak Number 16 n-Butyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.056	18.47 ug/L	1727180	Chlorobenzene-d5	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Butyl ether	130	C8H18O	000142-96-1	91
2	n-Butyl ether	130	C8H18O	000142-96-1	72
3	n-Butyl ether	130	C8H18O	000142-96-1	58
4	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	56
5	Sulfurous acid, dibutyl ester	194	C8H18O3S	000626-85-7	47





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Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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

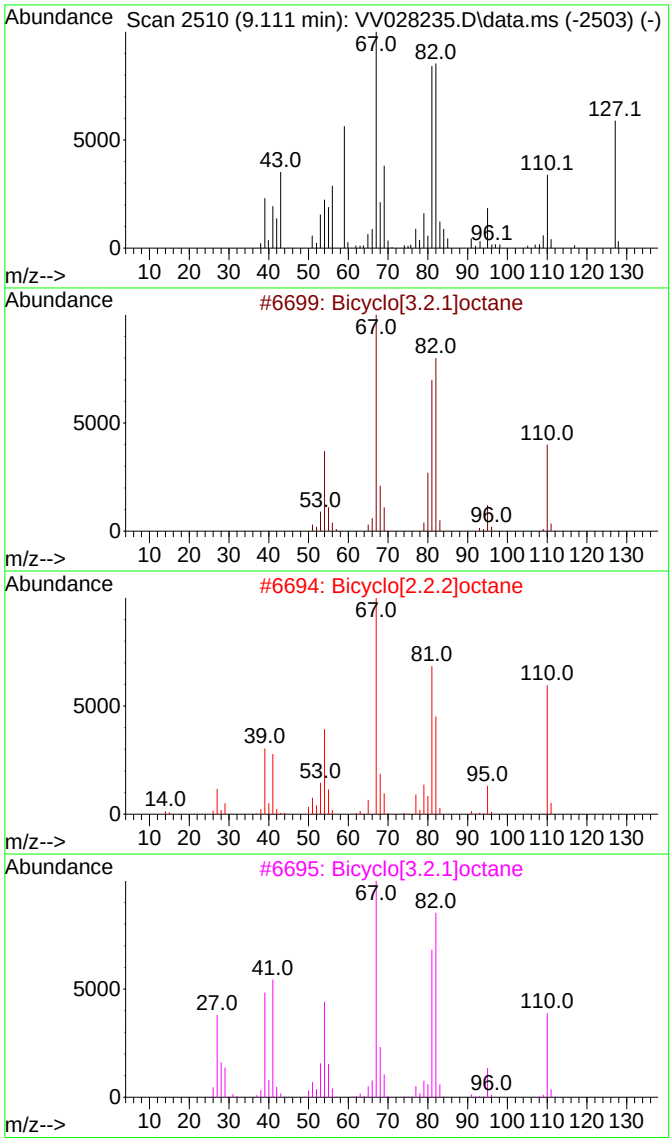
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

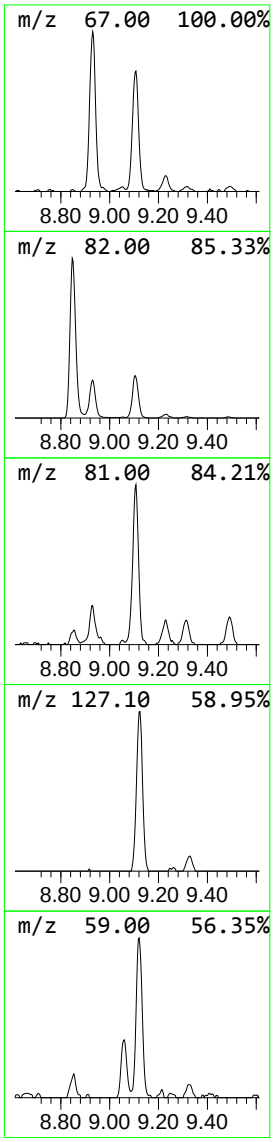
****

Peak Number 17 Bicyclo[3.2.1]octane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.111	2.78 ug/L	260377	Chlorobenzene-d5	8.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	68
2	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	58
3	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	58
4	Bicyclo[2.2.1]heptane, 2-methyl-	110	C8H14	015185-11-2	52
5	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

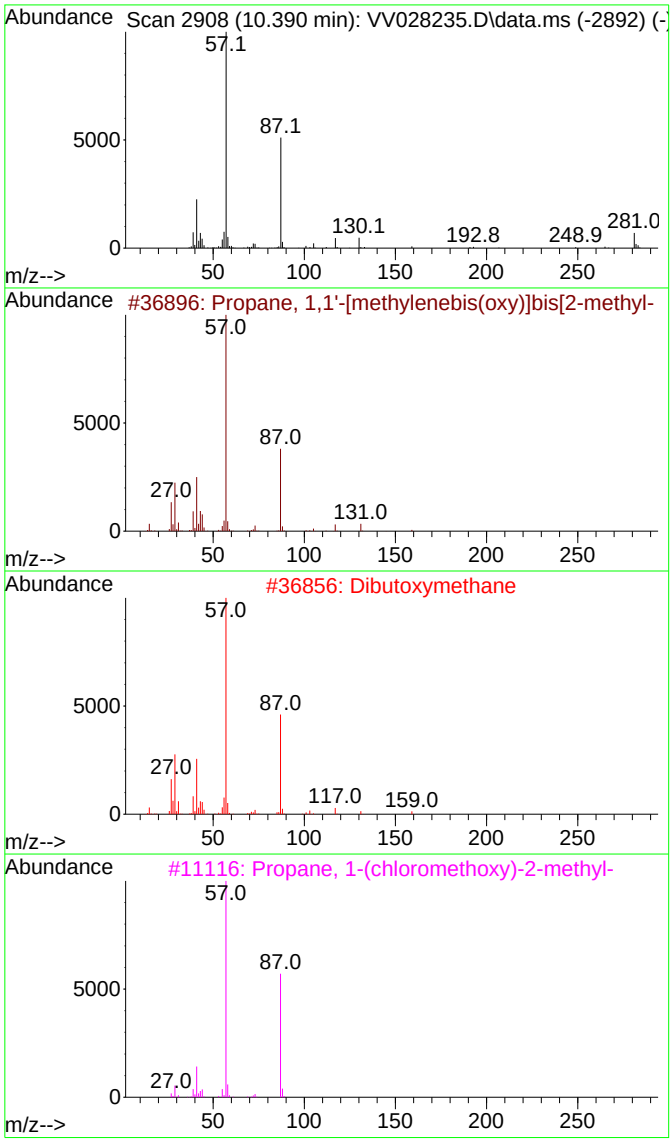
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

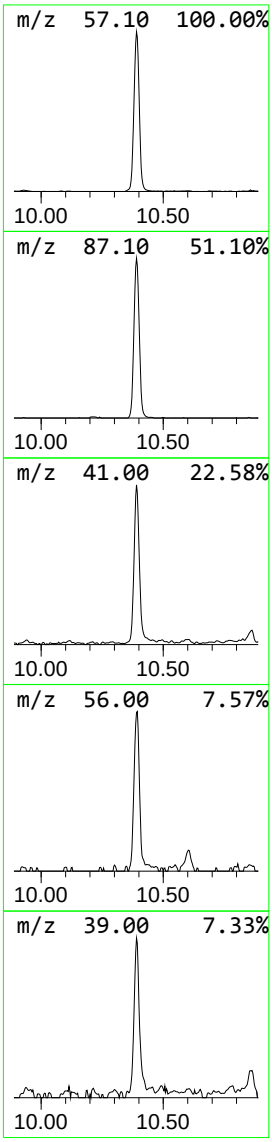
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Propane, 1,1'-[methylenebis... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.390	0.73 ug/L	297193	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1'-[methylenebis(oxy)...	160	C9H20O2	002568-91-4	59
2	Dibutoxymethane	160	C9H20O2	002568-90-3	42
3	Propane, 1-(chloromethoxy)-2-met...	122	C5H11ClO	034180-11-5	40
4	Morpholine	87	C4H9NO	000110-91-8	40
5	Formic acid, 1-tert-butoxyprop-2...	160	C8H16O3	1000368-95-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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

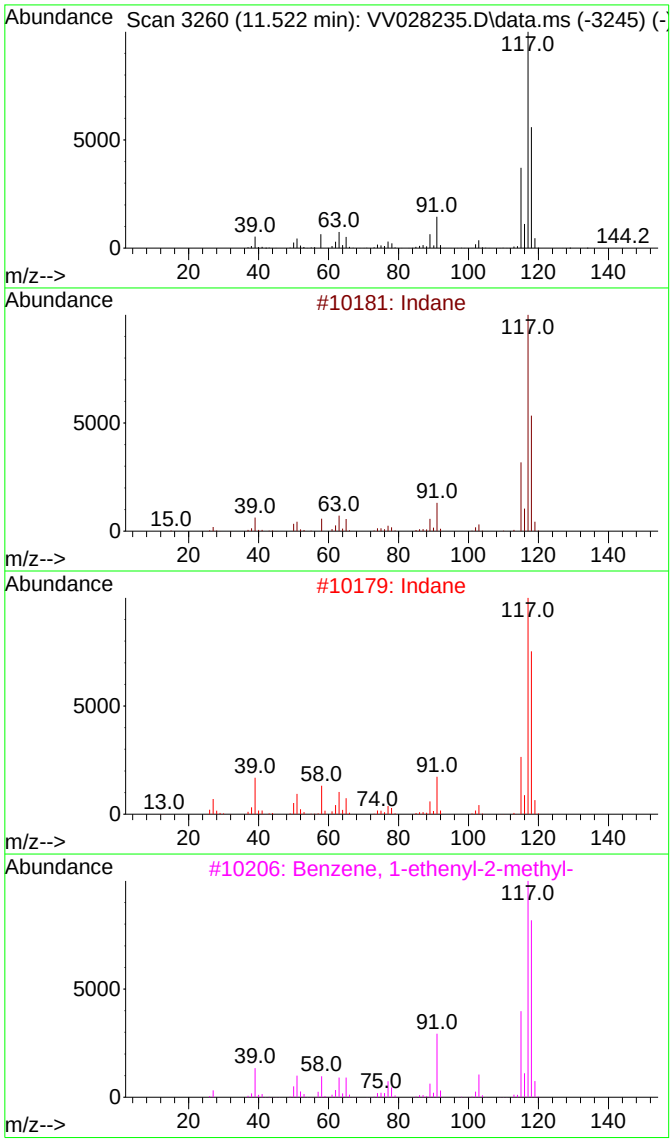
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

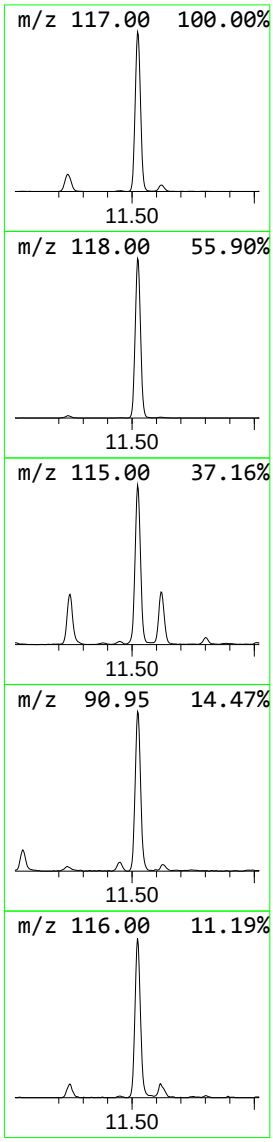
****

Peak Number 19 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.522	3.56 ug/L	1458040	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	91
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
4	Deltacyclene	118	C9H10	007785-10-6	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
Data File : VV028235.D
Acq On : 30 Sep 2022 18:38
Operator : SY/MD
Sample : N4873-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ53

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
Ethane, 1-chlor...	1.214	0.5	ug/L	40934	1	5.609	376956	5.0
Sulfur dioxide	1.426	1.1	ug/L	79154	1	5.609	376956	5.0
(DEL) Alkane: S...	4.754	0.6	ug/L	43583	1	5.609	376956	5.0
(DEL) Alkane: C...	4.937	5.1	ug/L	383500	1	5.609	376956	5.0
(DEL) Alkane: C...	5.246	0.5	ug/L	38777	1	5.609	376956	5.0
(DEL) Alkane: C...	6.622	0.6	ug/L	44766	1	5.609	376956	5.0
Norbornane	6.792	0.7	ug/L	51248	1	5.609	376956	5.0
(DEL) Alkane: C...	7.442	0.9	ug/L	87475	2	8.847	467469	5.0
Isobutyl ether	7.561	0.7	ug/L	68496	2	8.847	467469	5.0
(DEL) Alkane: C...	7.783	0.5	ug/L	46888	2	8.847	467469	5.0
(DEL) Alkane: C...	8.227	0.6	ug/L	51475	2	8.847	467469	5.0
Ethanol, 2-butoxy-	8.333	1.0	ug/L	89710	2	8.847	467469	5.0
Propane, 1-(1-m...	8.400	2.3	ug/L	210169	2	8.847	467469	5.0
Pentalene, octa...	8.931	1.4	ug/L	134380	2	8.847	467469	5.0
n-Butyl ether	9.056	18.5	ug/L	1727180	2	8.847	467469	5.0
Bicyclo[3.2.1]o...	9.111	2.8	ug/L	260377	2	8.847	467469	5.0
Propane, 1,1'-[...	10.390	0.7	ug/L	297193	3	11.246	2047280	5.0
Indane	11.522	3.6	ug/L	1458040	3	11.246	2047280	5.0