LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU061092.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.605	87	98	113	rBV5	112054	253870	4.40%	1.172%
2	1.747	134	142	159	rVB	201437	264942	4.59%	1.223%
3	1.882	179	184	194	rBV	29870	64873	1.12%	0.300%
4	1.930	195	199	217	rVB	56486	76948	1.33%	0.355%
5	2.020	222	227	251	rVB2	39170	90277	1.57%	0.417%
6	2.573	390	399	415	rVB	96397	154349	2.68%	0.713%
7	4.682	1041	1055	1060	rBV3	30712	68885	1.19%	0.318%
8	5.091	1164	1182	1200	rBV	84890	194900	3.38%	0.900%
9	5.753	1370	1388	1393	rBV2	194817	421720	7.31%	1.947%
10	5.798	1394	1402	1433	rVB	582628	1184477	20.54%	5.469%
11	6.046	1459	1479	1500	rVB	60465	125717	2.18%	0.580%
12	6.271	1537	1549	1573	rBV	210920	403449	7.00%	1.863%
13	6.560	1626	1639	1654	rBV	111668	209822	3.64%	0.969%
14	6.708	1673	1685	1699	rBV	111630	216237	3.75%	0.998%
15	7.576	1943	1955	1976	rBV	60935	110966	1.92%	0.512%
16	7.904	2042	2057	2069	rBV	222901	384136	6.66%	1.774%
17	7.975	2069	2079	2110	rVB	247539	442029	7.66%	2.041%
18	8.187	2135	2145	2161	rBV	36064	61600	1.07%	0.284%
19	8.553	2247	2259	2277	rBV	563377	967894	16.78%	4.469%
20	8.644	2277	2287	2325	rVB	248532	519825	9.01%	2.400%
21	9.415	2515	2527	2551	rBV	293699	499232	8.66%	2.305%
22	9.569	2563	2575	2587	rBV	49978	82189	1.43%	0.379%
23	9.688	2595	2612	2632	rBV	214692	368240	6.38%	1.700%
24	10.097	2728	2739	2761	rVB	154066	276082	4.79%	1.275%
25	10.750	2932	2942	2955	rVB	95137	155153	2.69%	0.716%
26	10.994	3007	3018	3034	rBV	70680	153769	2.67%	0.710%
27	11.081	3034	3045	3066	rVB	169708	263927	4.58%	1.219%
28	11.286	3098	3109	3127	rBV	67147	113640	1.97%	0.525%
29	11.460	3152	3163	3179	rBV	275846	475826	8.25%	2.197%
30	11.531	3179	3185	3195	rVB	39358	58814	1.02%	0.272%
31	11.733	3235	3248	3257	rBV3	113373	209174	3.63%	0.966%
32	11.804	3257	3270	3285	rVV2	329273	603673	10.47%	2.787%
33	11.888	3285	3296	3308	rVB	225285	346988	6.02%	1.602%
34	12.087	3338	3358	3365	rBV3	174598	387571	6.72%	1.790%
35	12.184	3377	3388	3407	rVB4	310017	528529	9.16%	2.440%
36	12.303	3413	3425	3438	rBV	1165460	1834097	31.80%	8.469%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Title : TRACE VOA SFAM1.0

37	12.370	3438	3446	3461	rVB	41623	71409	1.24%	0.330%
38	12.457	3461	3473	3478	rBV3	48539	83228	1.44%	0.384%
39	12.489	3478	3483	3492	rVB	45487	62467	1.08%	0.288%
40	12.563	3495	3506	3514	rBV	69675	103504	1.79%	0.478%
41	12.675	3533	3541	3558	rBV4	35657	109010	1.89%	0.503%
42	12.868	3590	3601	3609	rBV2	43533	77123	1.34%	0.356%
43	12.917	3609	3616	3624	rVV	60526	100893	1.75%	0.466%
44	12.965	3624	3631	3638	rVV	68230	96652	1.68%	0.446%
45	13.020	3638	3648	3667	rVV3	217037	376059	6.52%	1.736%
46	13.283	3723	3730	3743	rVB5	38616	61294	1.06%	0.283%
47	13.441	3769	3779	3792	rVB3	178547	294649	5.11%	1.361%
48	13.511	3793	3801	3810	rVB2	67008	98404	1.71%	0.454%
49	13.618	3823	3834	3852	rVB2	111690	198915	3.45%	0.918%
50	13.830	3891	3900	3916	rBV9	31201	69890	1.21%	0.323%
51	13.949	3927	3937	3952	rVB8	28600	70268	1.22%	0.324%
52	14.077	3952	3977	3997	rBV	3572025	5767490	100.00%	26.631%
53	14.200	4003	4015	4033	rVB	172242	296001	5.13%	1.367%
54	15.212	4319	4330	4342	rBV	350965	541253	9.38%	2.499%
55	15.399	4377	4388	4402	rBV	254531	422316	7.32%	1.950%
56	16.402	4690	4700	4707	rBV2	55034	90042	1.56%	0.416%
57	16.878	4836	4848	4860	rBV6	42740	92606	1.61%	0.428%

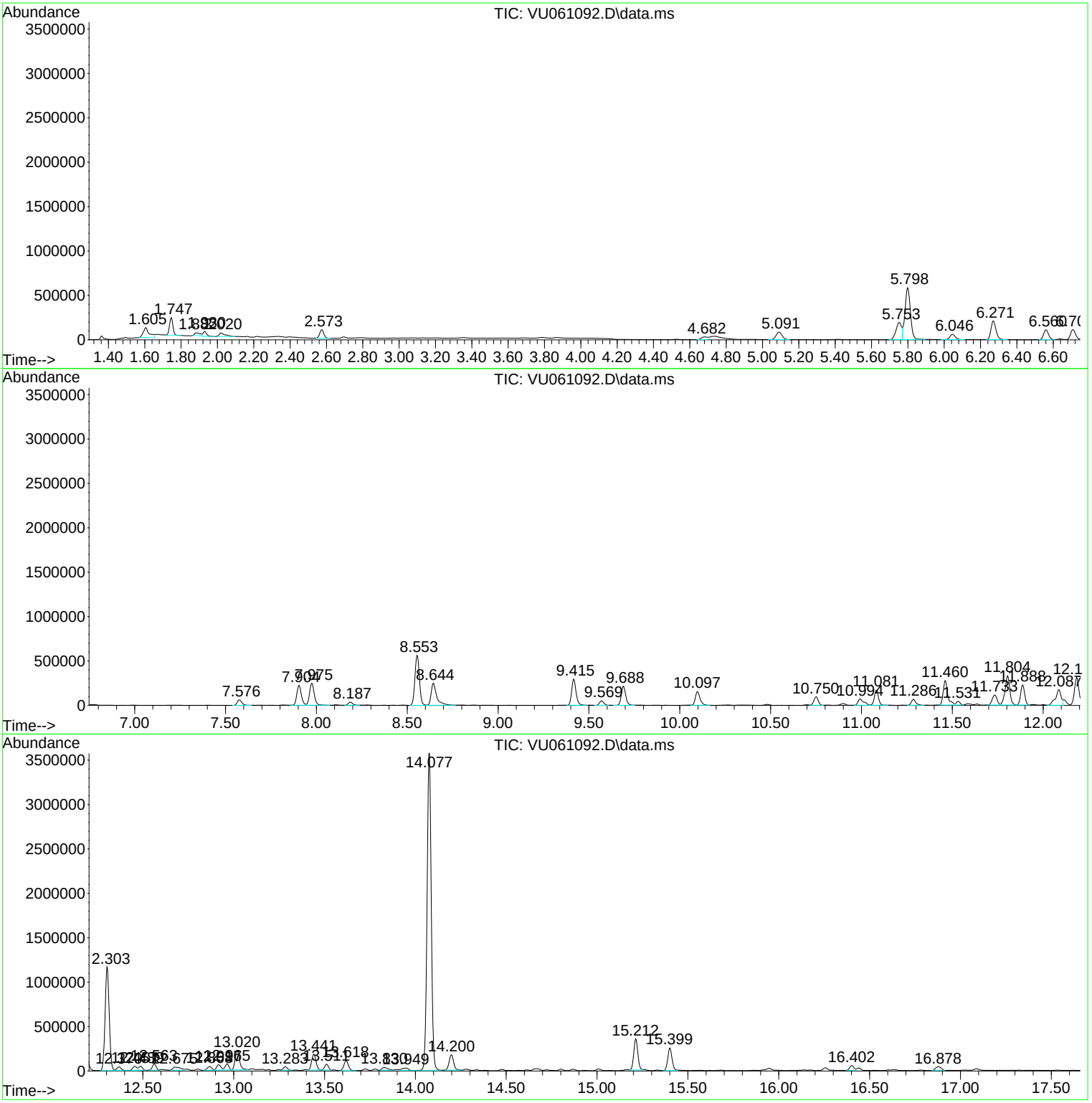
Sum of corrected areas: 21657293

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

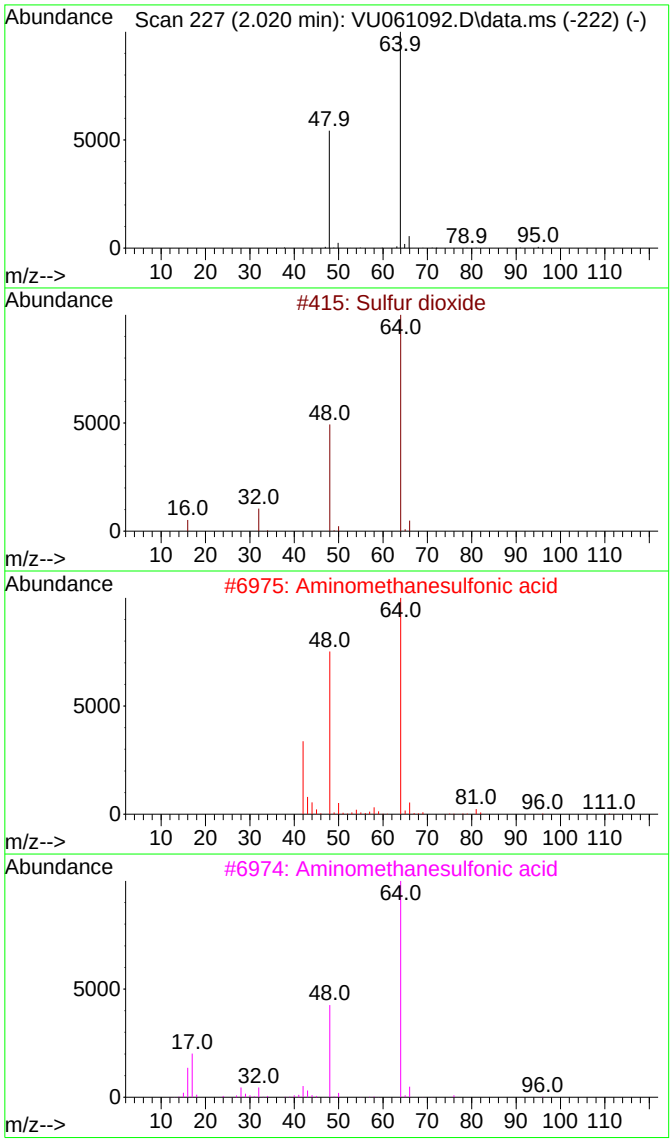
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

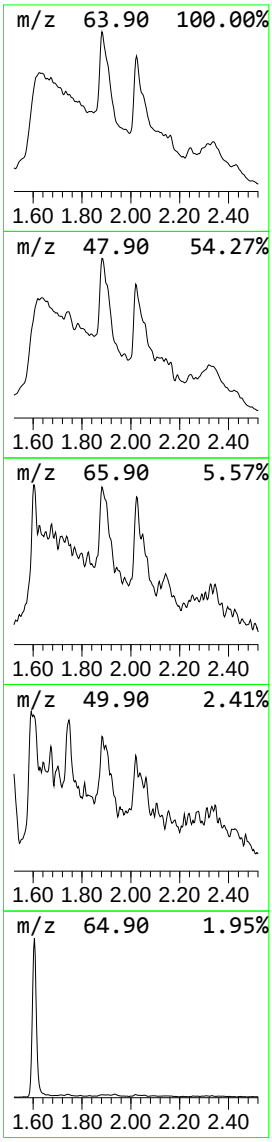
****

Peak Number 2 Sulfur dioxide Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.020	1.12 ug/L	90277	1,4-Difluorobenzene	6.271

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
5	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

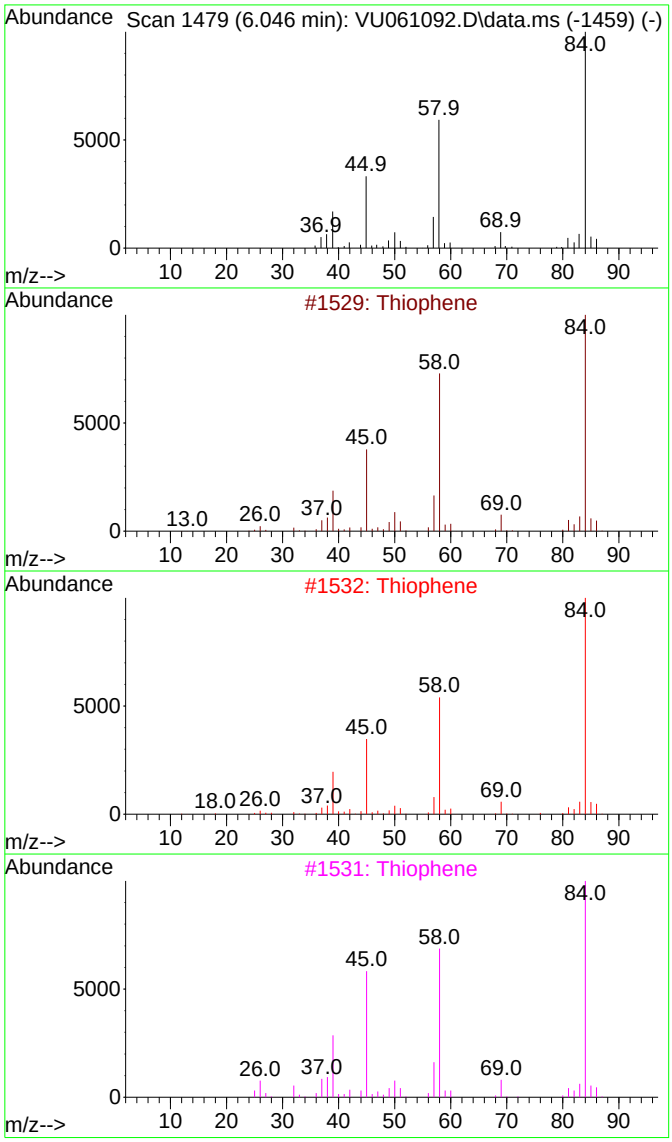
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

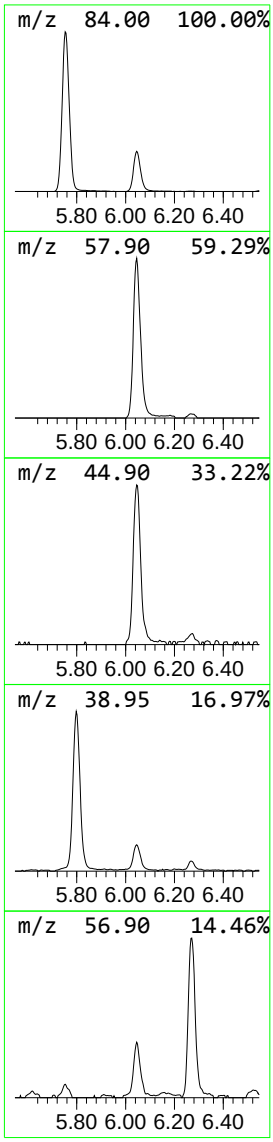
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.046	1.56 ug/L	125717	1,4-Difluorobenzene	6.271

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	97
2	Thiophene	84	C4H4S	000110-02-1	95
3	Thiophene	84	C4H4S	000110-02-1	91
4	Thiophene	84	C4H4S	000110-02-1	91
5	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

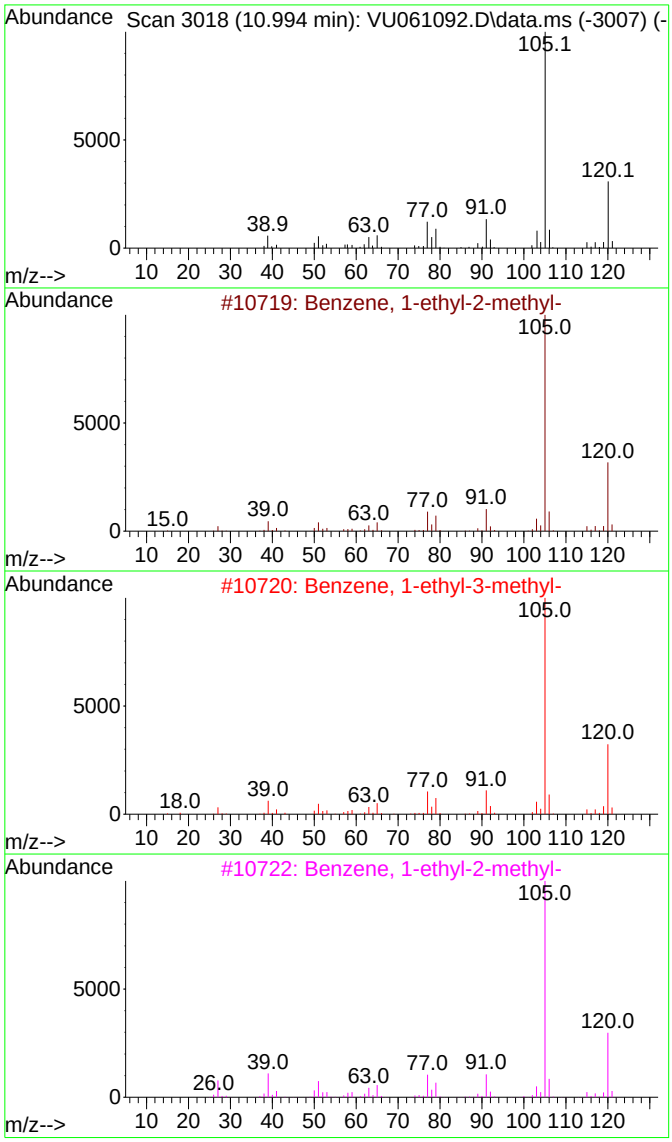
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

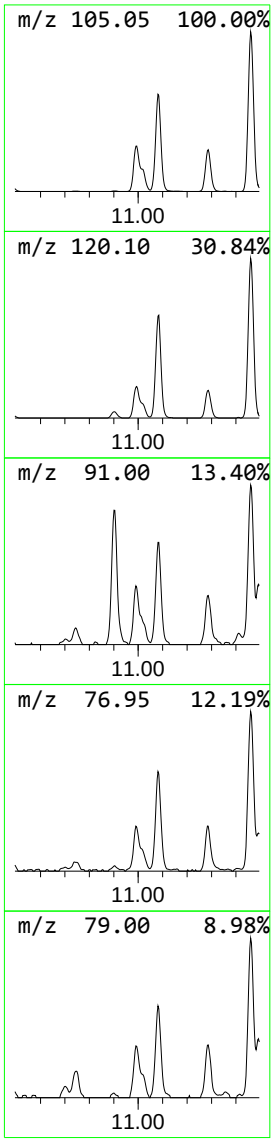
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.994	1.27 ug/L	153769	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	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-3-methyl-	120	C9H12	000620-14-4	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

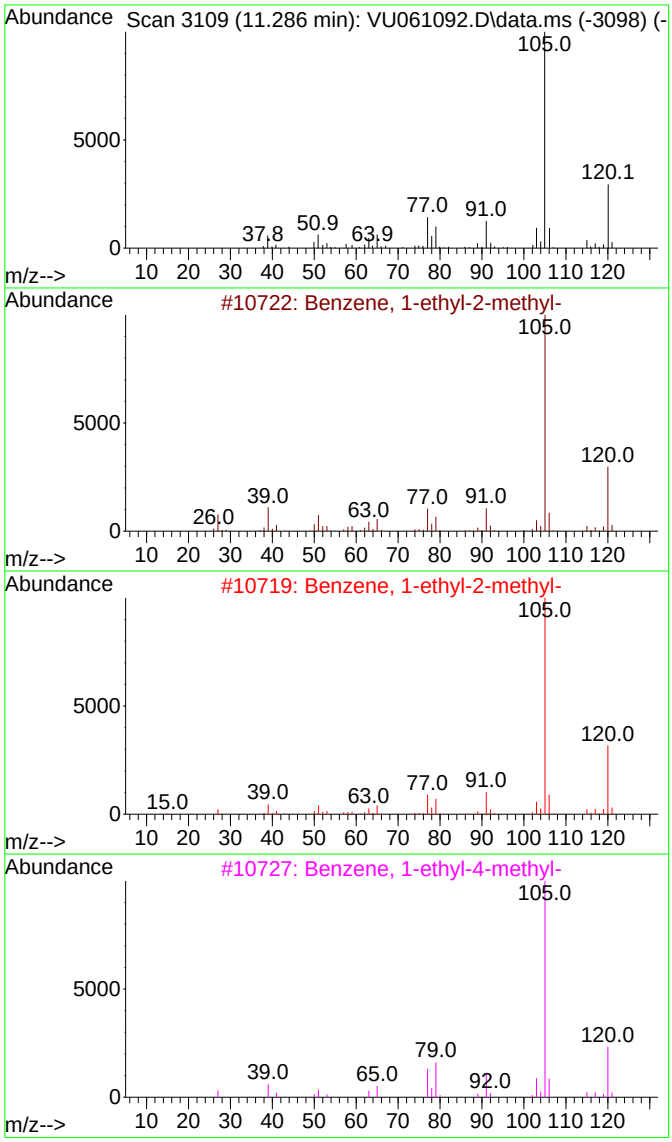
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

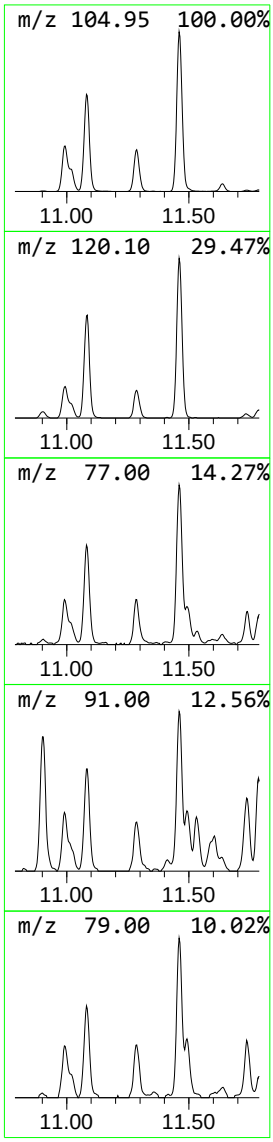
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.287	0.94 ug/L	113640	1,4-Dichlorobenzene-d4	11.804

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	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

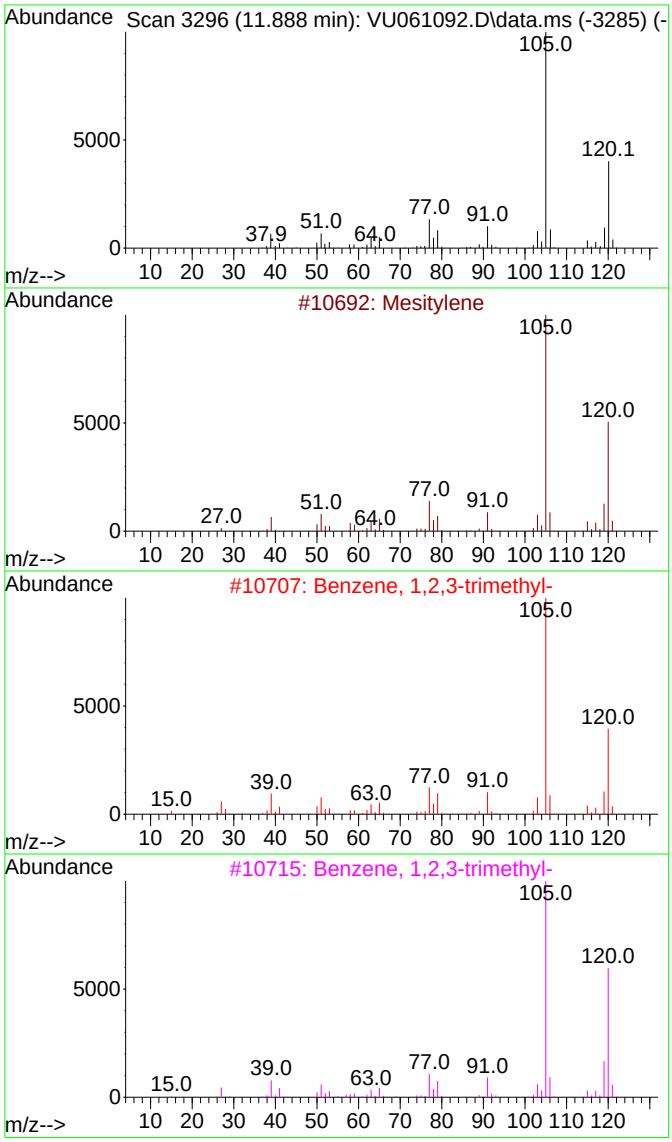
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

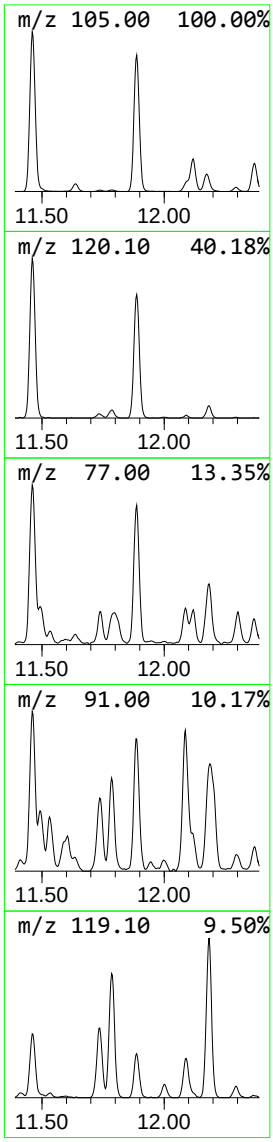
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.888	2.87 ug/L	346988	1,4-Dichlorobenzene-d4	11.804

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	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

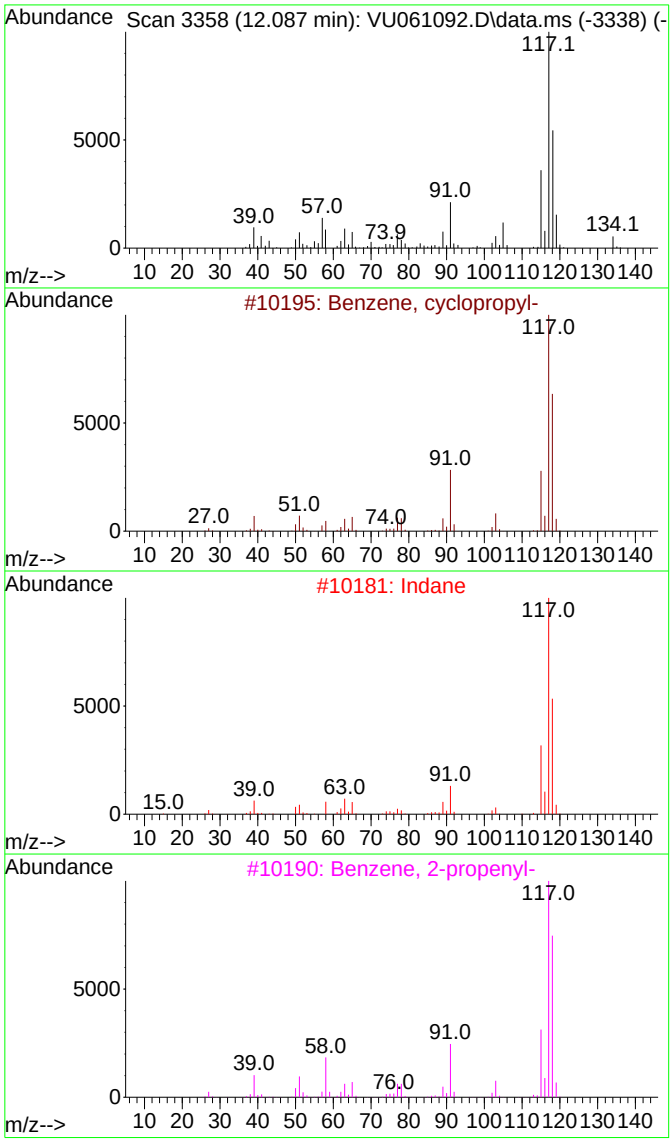
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

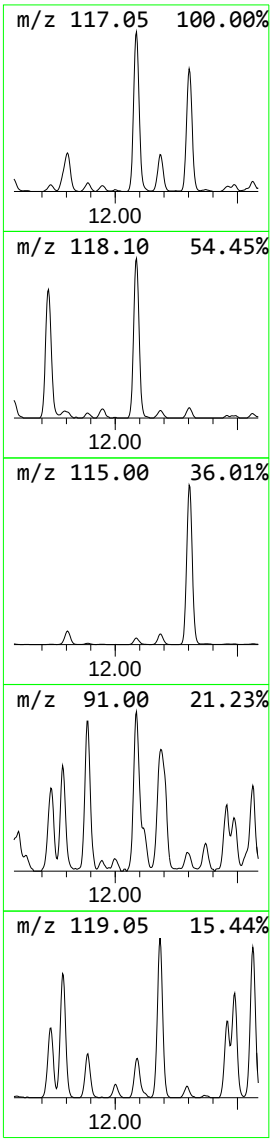
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, cyclopropyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.087	3.21 ug/L	387571	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
2	Indane	118	C9H10	000496-11-7	70
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	62
4	Indane	118	C9H10	000496-11-7	62
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

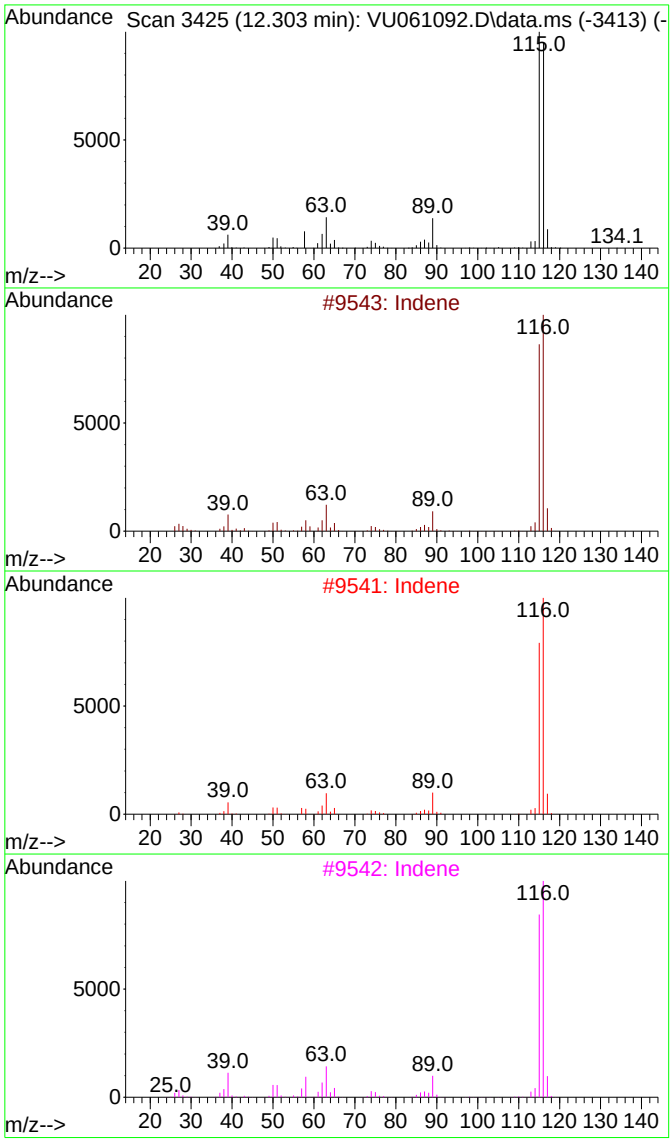
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

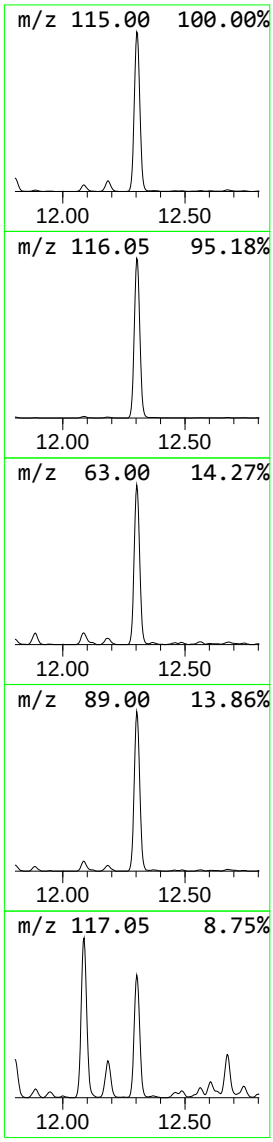
****

Peak Number 10 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.303	15.19 ug/L	1834100	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	94
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

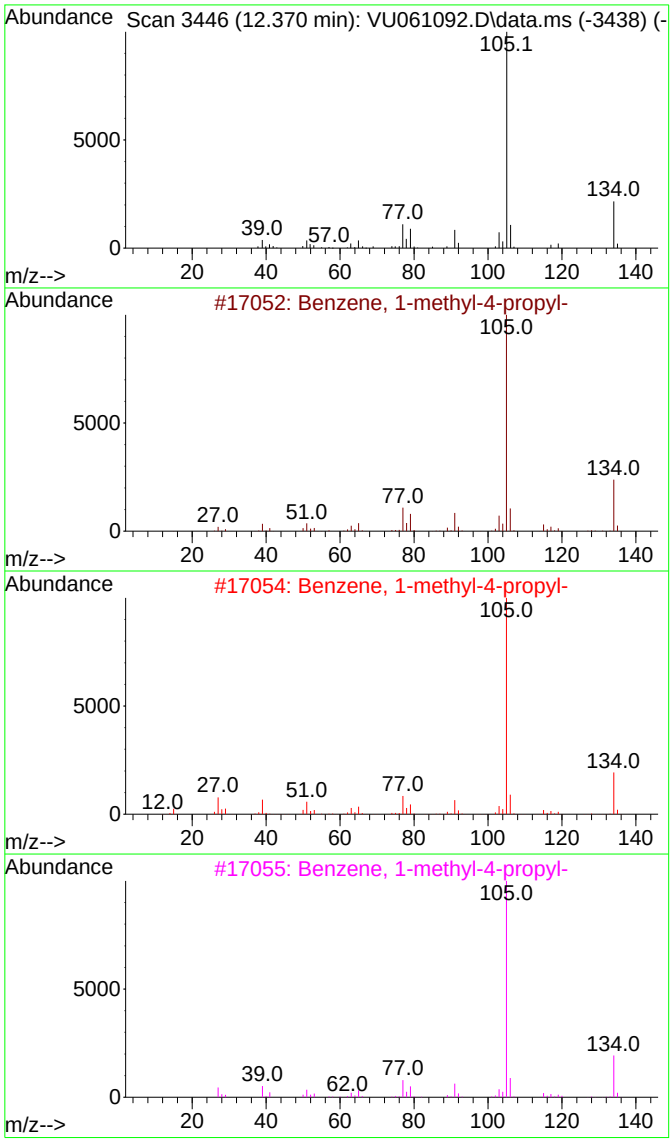
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

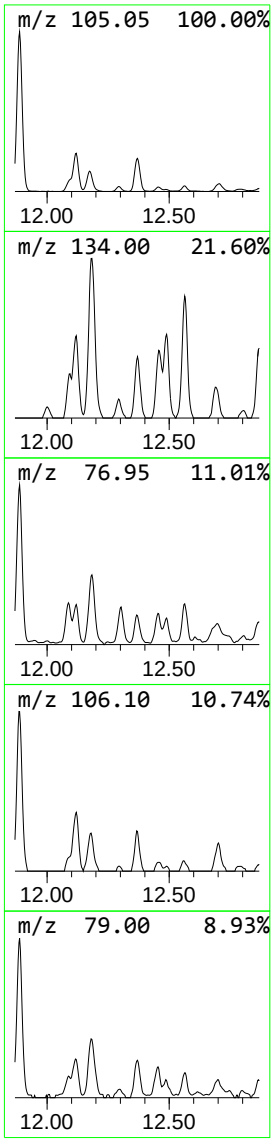
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-methyl-4-propyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.370	0.59 ug/L	71409	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

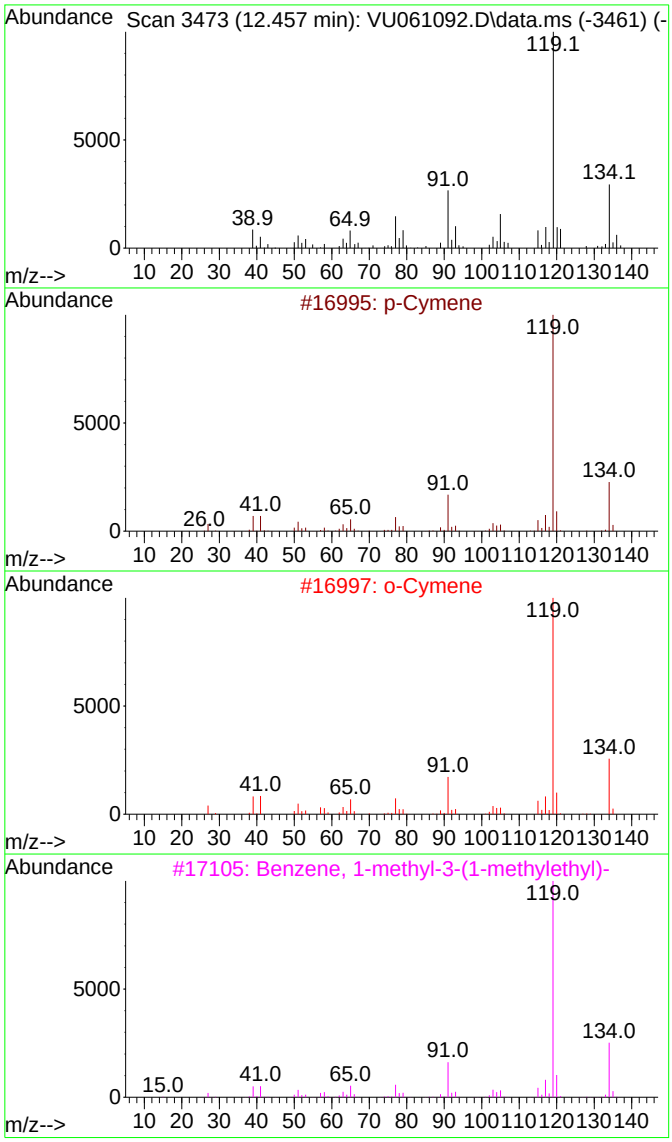
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

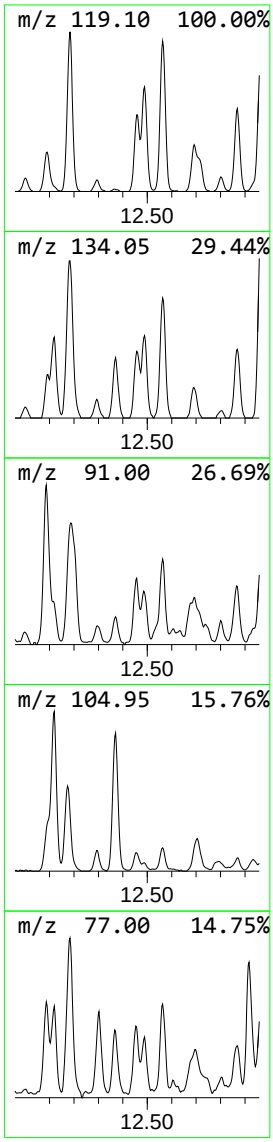
****

Peak Number 12 p-Cymene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	0.69 ug/L	83228	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

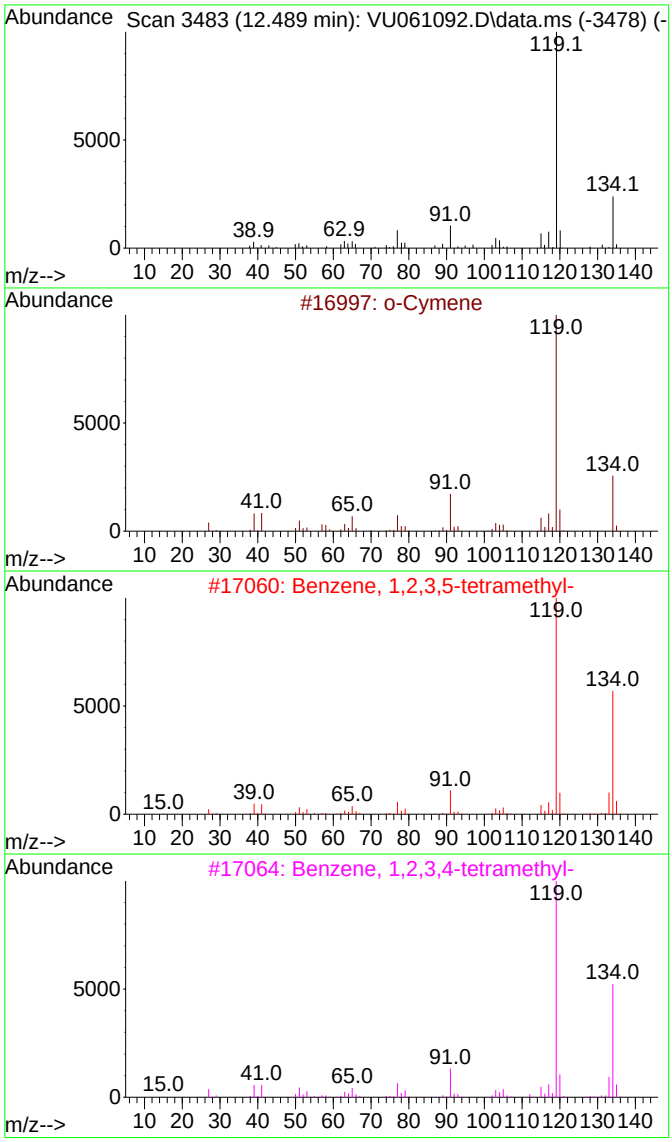
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

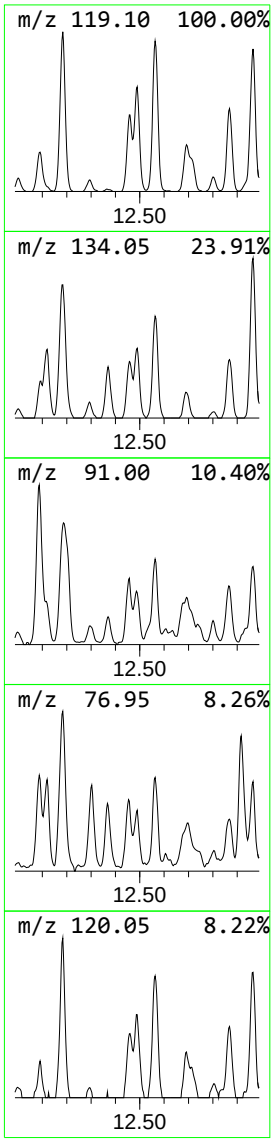
****

Peak Number 13 o-Cymene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.489	0.52 ug/L	62467	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

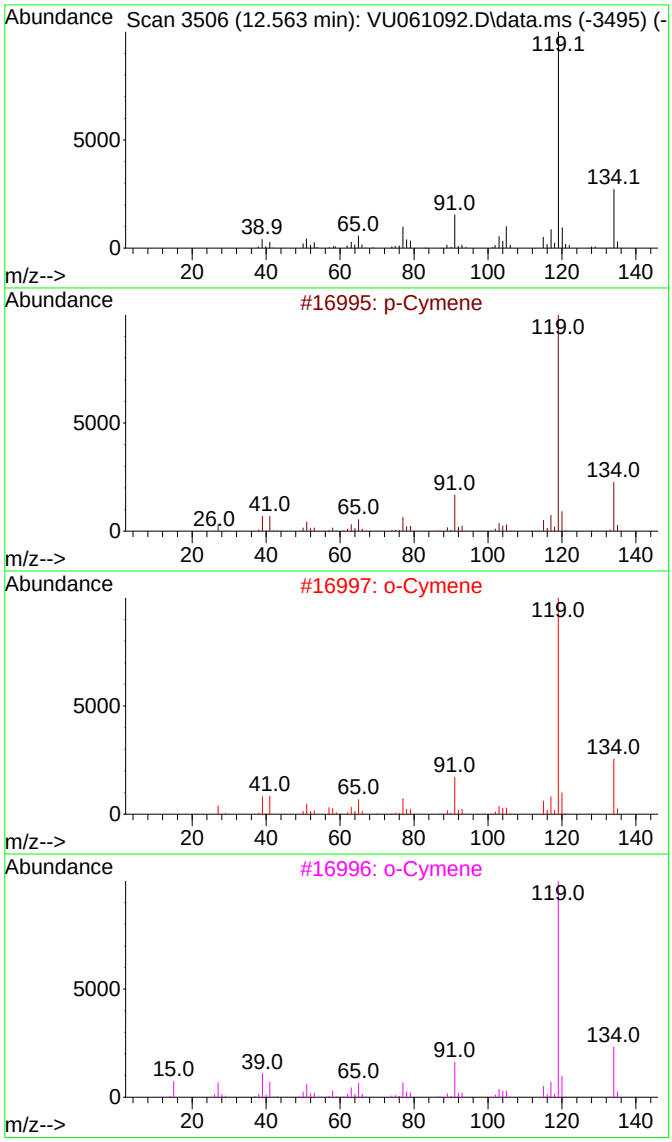
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

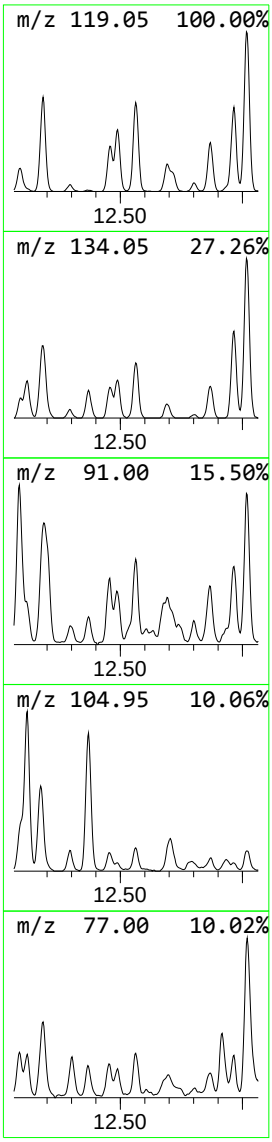
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	0.86 ug/L	103504	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

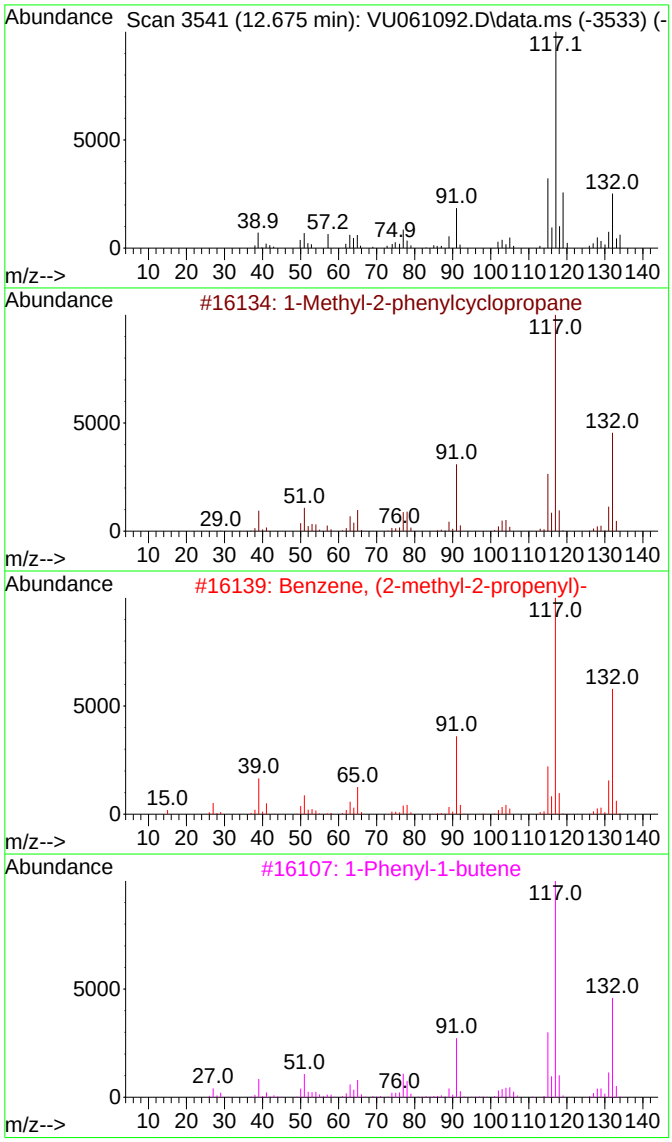
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

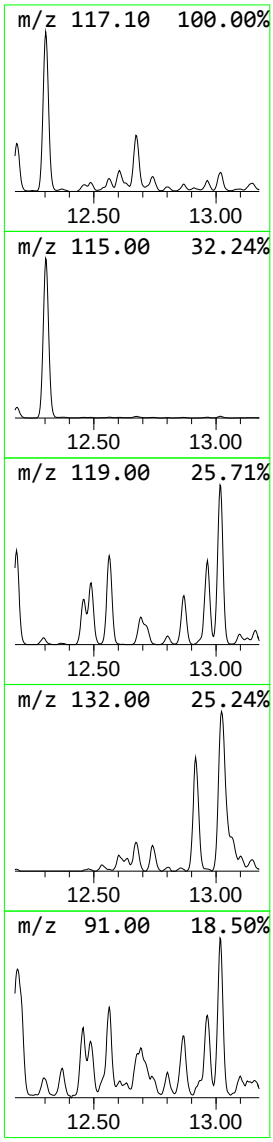
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1-Methyl-2-phenylcyclopropane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.676	0.90 ug/L	109010	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	83
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

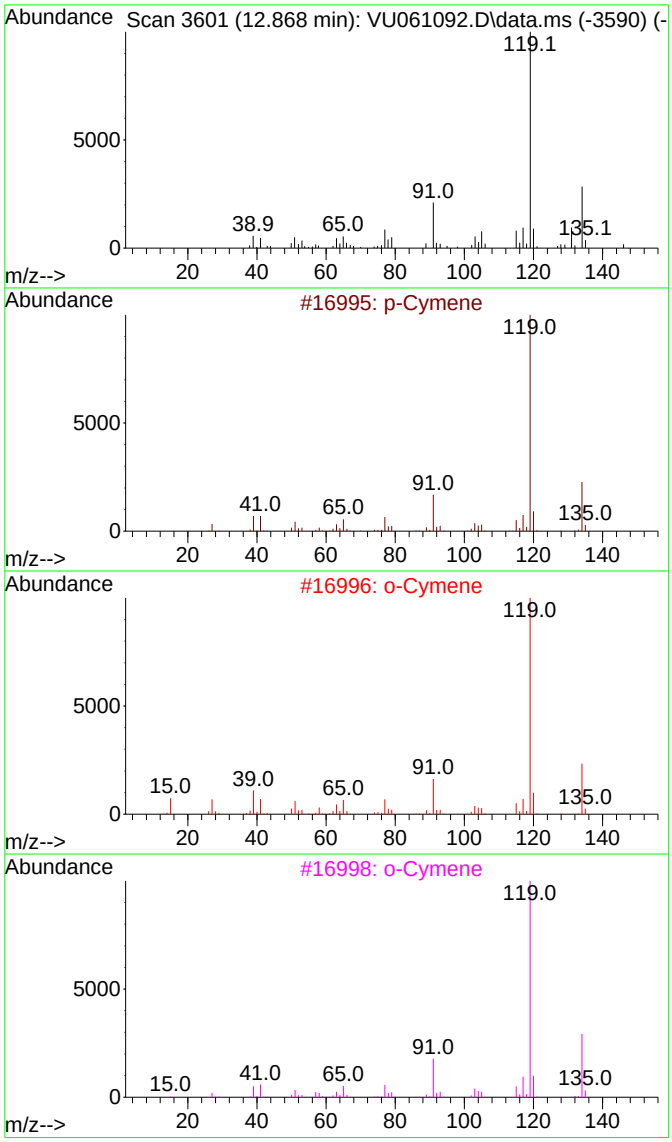
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

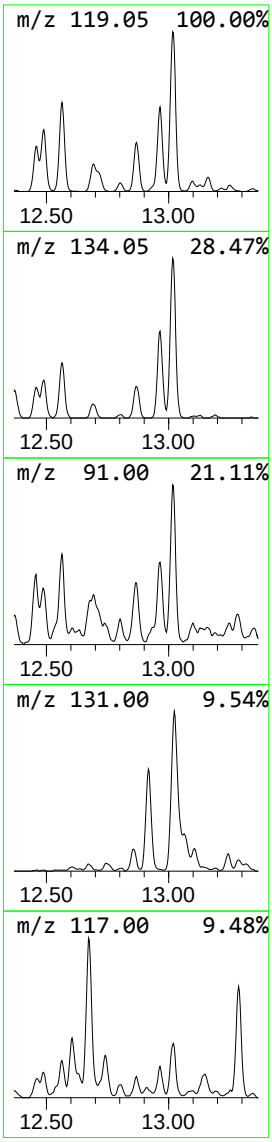
****

Peak Number 16 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.868	0.64 ug/L	77123	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

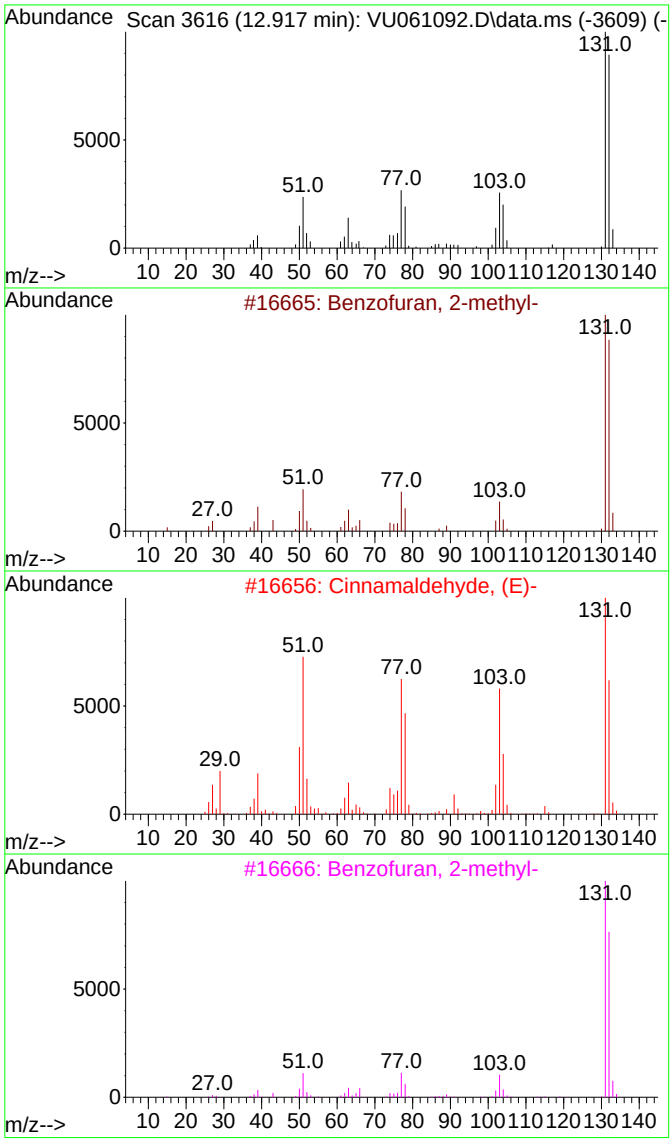
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

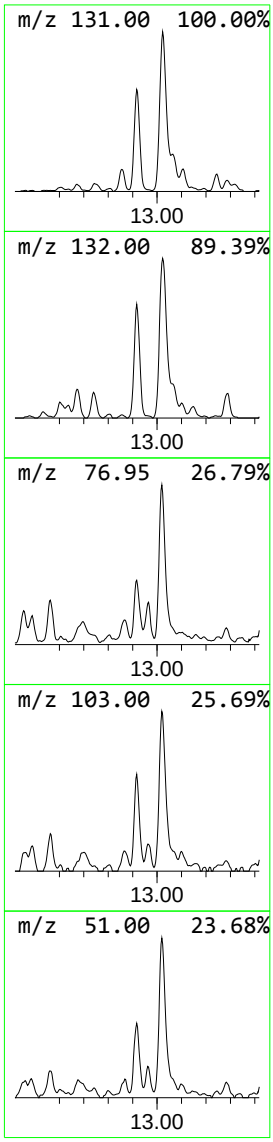
****

Peak Number 17 Benzofuran, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.917	0.84 ug/L	100893	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

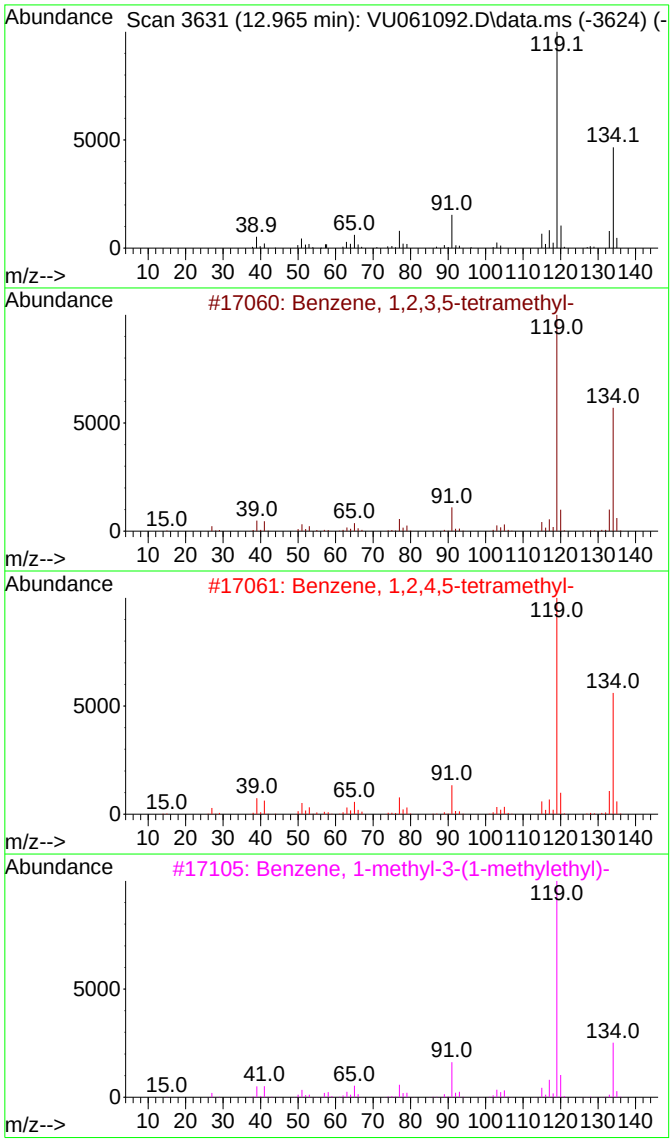
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

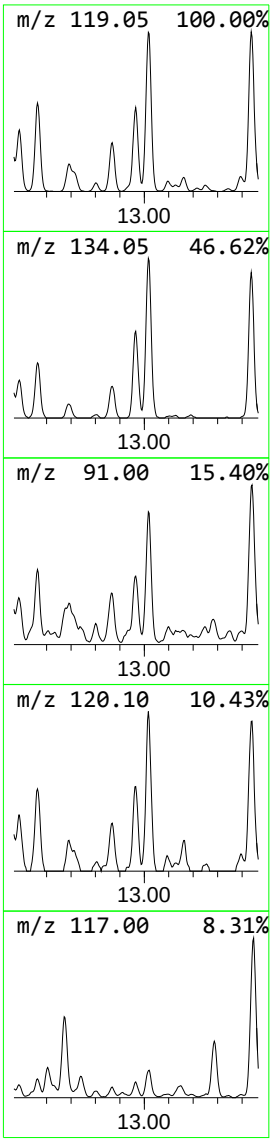
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.965	0.80 ug/L	96652	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

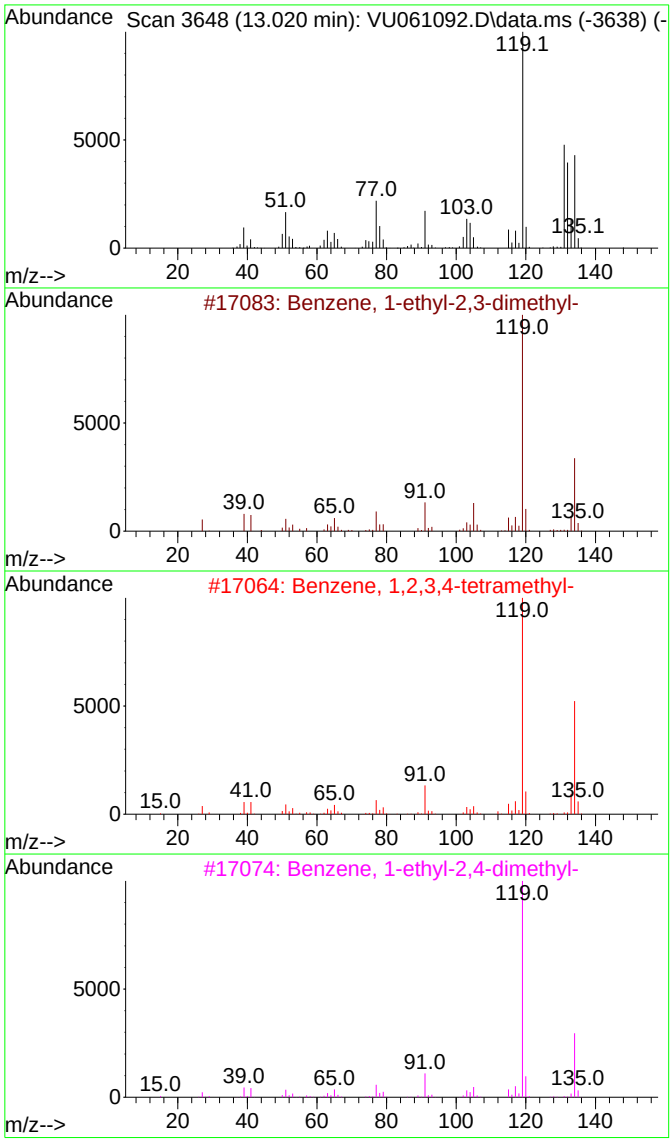
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

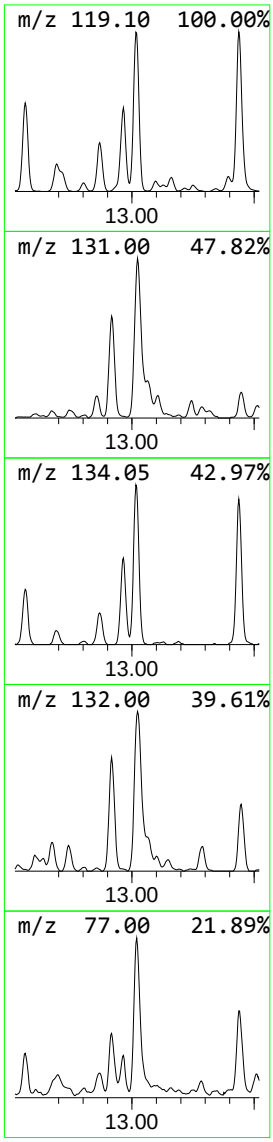
****

Peak Number 19 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.020	3.11 ug/L	376059	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	60
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

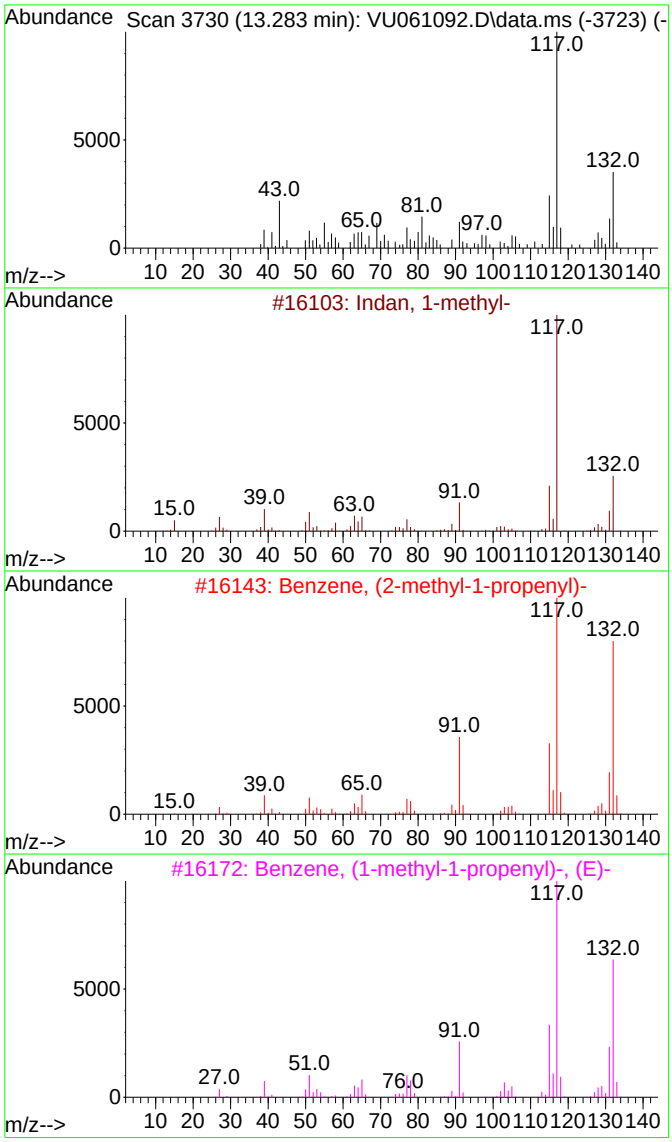
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

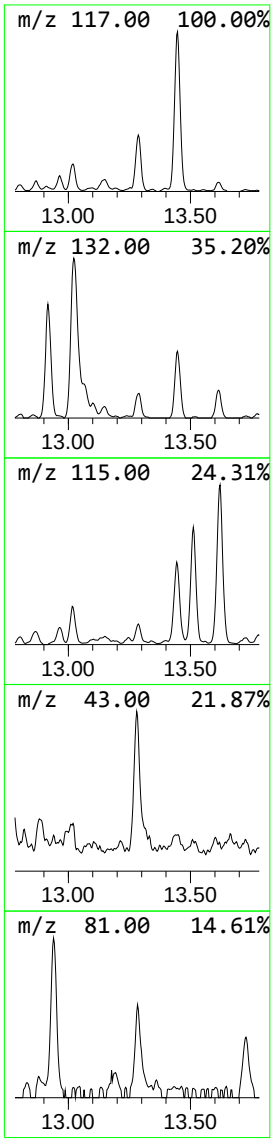
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Indan, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.283	0.51 ug/L	61294	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

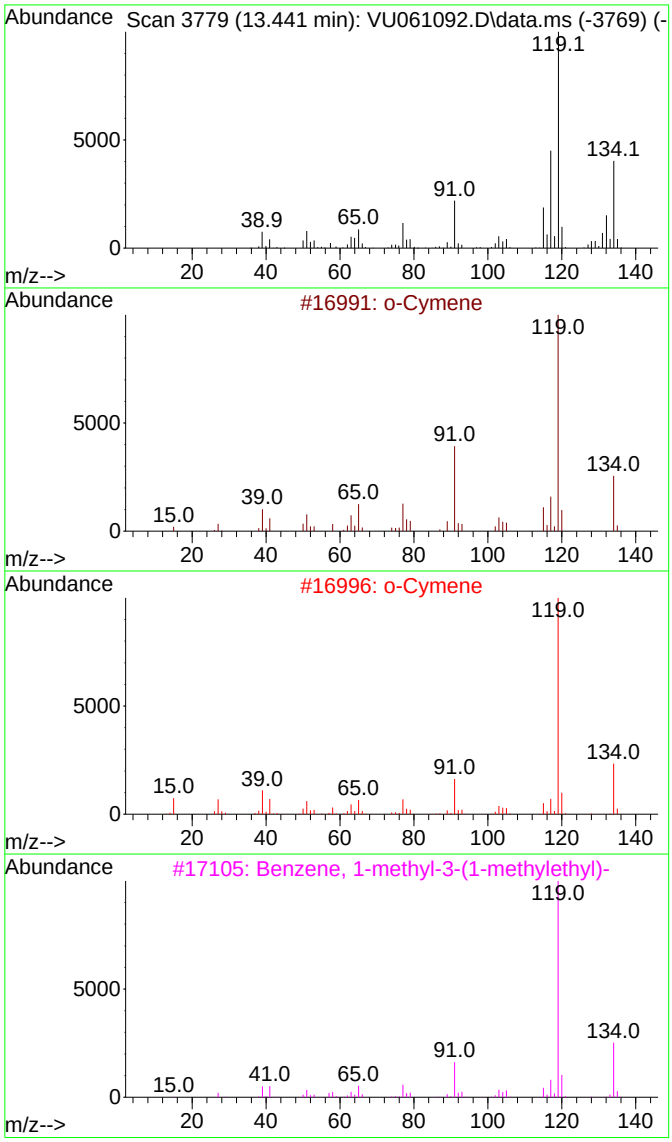
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

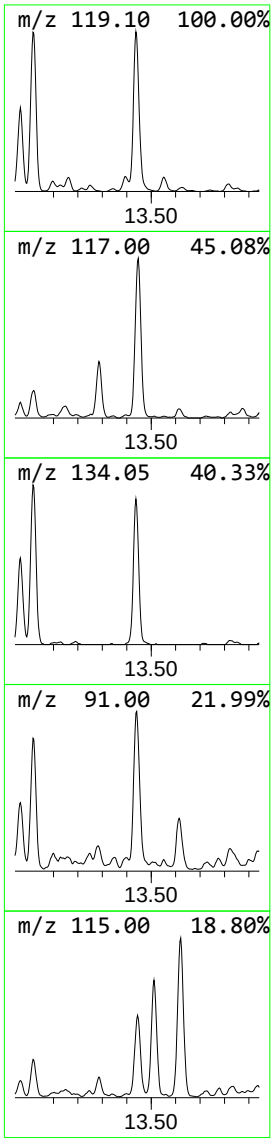
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.441	2.44 ug/L	294649	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	o-Cymene	134	C10H14	000527-84-4	70
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
4	o-Cymene	134	C10H14	000527-84-4	70
5	p-Cymene	134	C10H14	000099-87-6	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

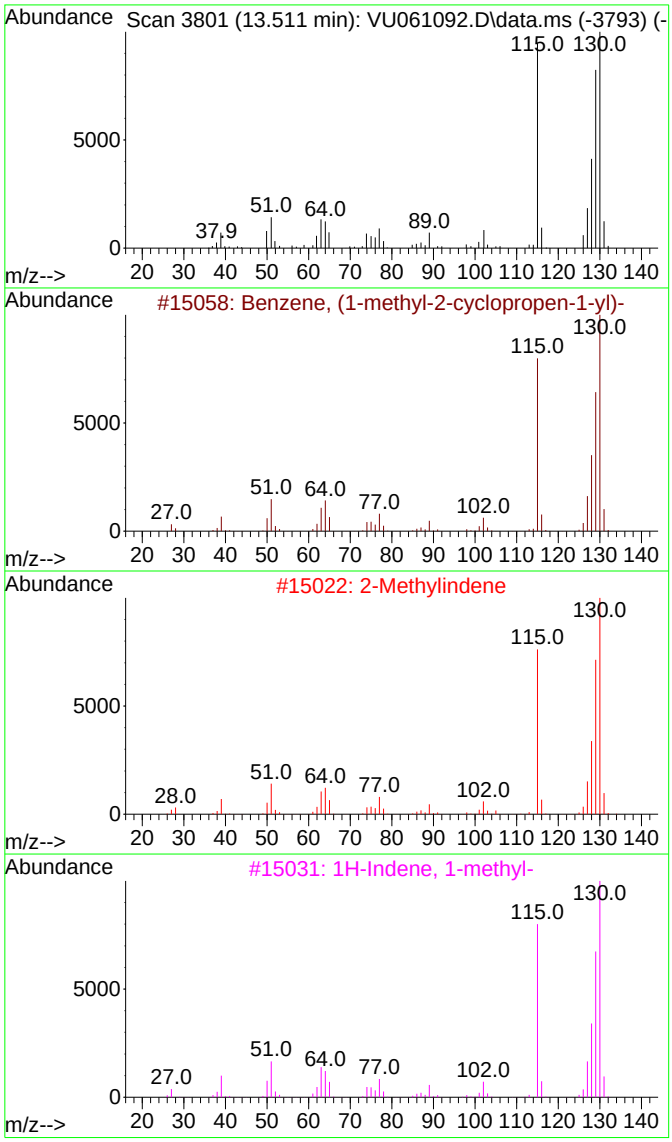
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

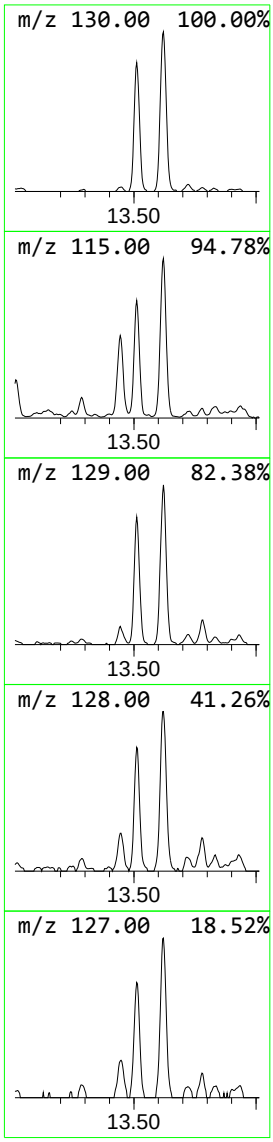
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, (1-methyl-2-cyclop... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.512	0.82 ug/L	98404	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	2-Methylindene	130	C10H10	002177-47-1	95
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

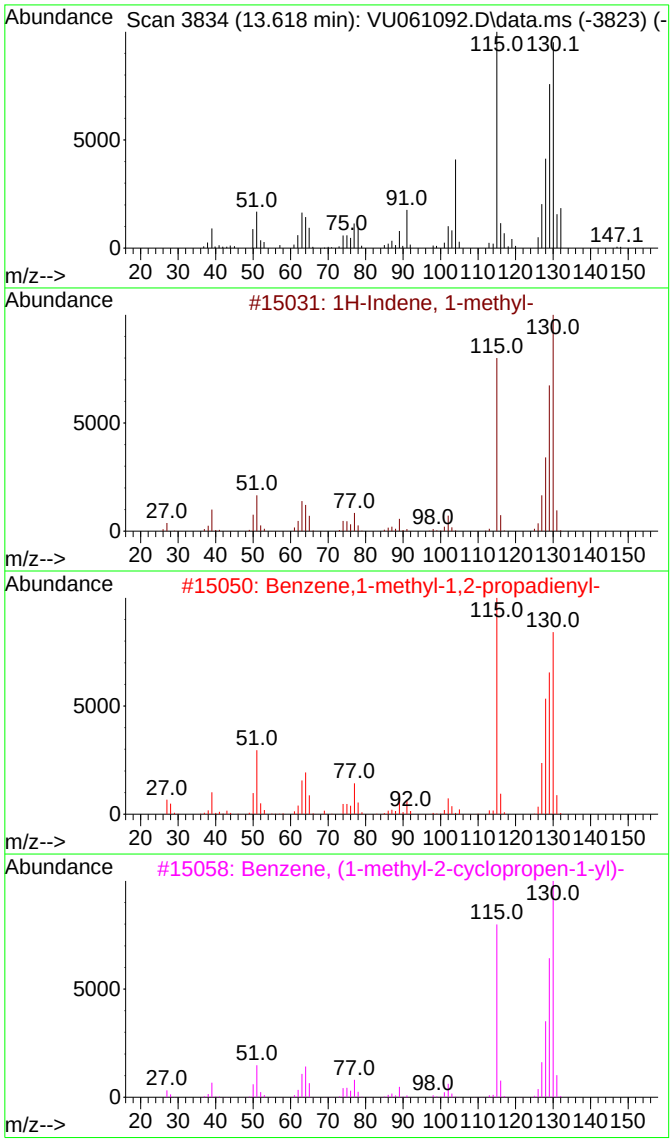
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

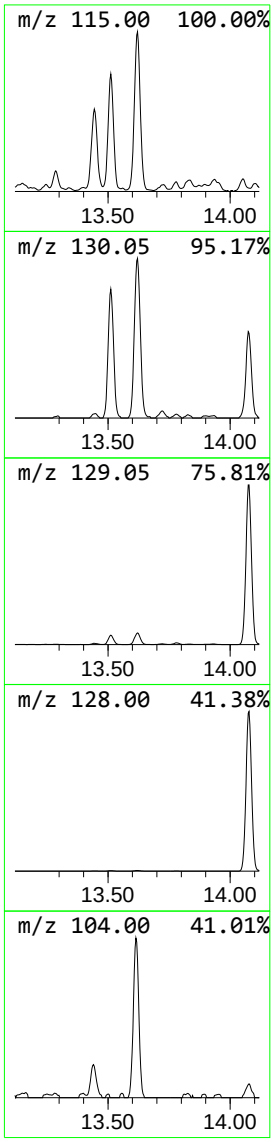
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 1H-Indene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.618	1.65 ug/L	198915	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
4	2-Methylindene	130	C10H10	002177-47-1	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

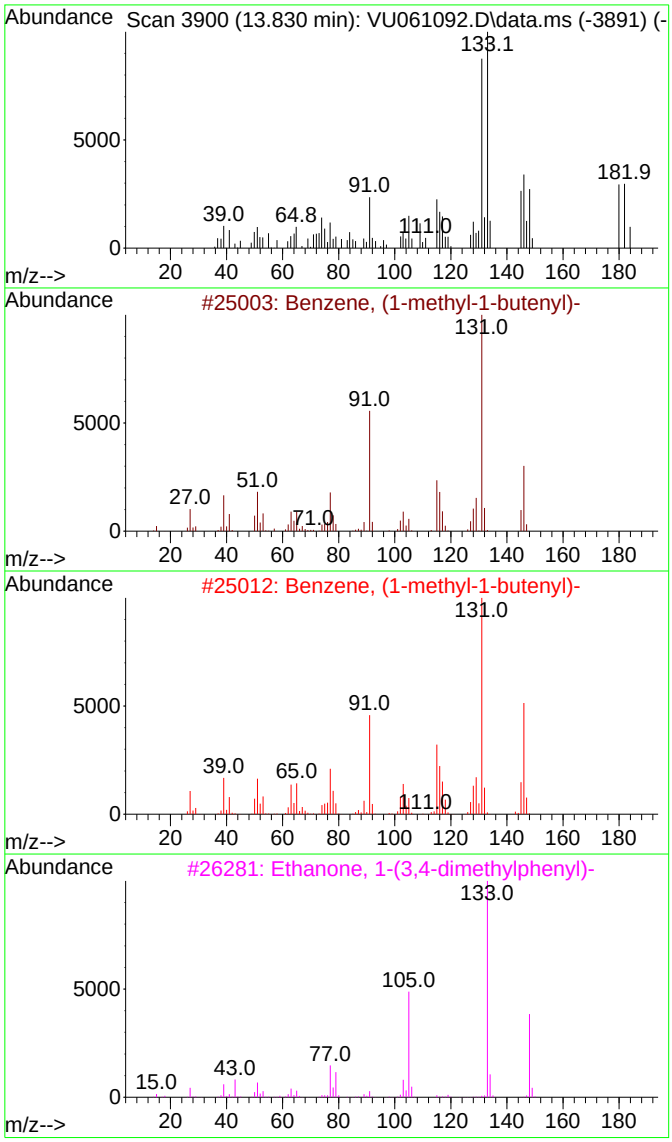
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

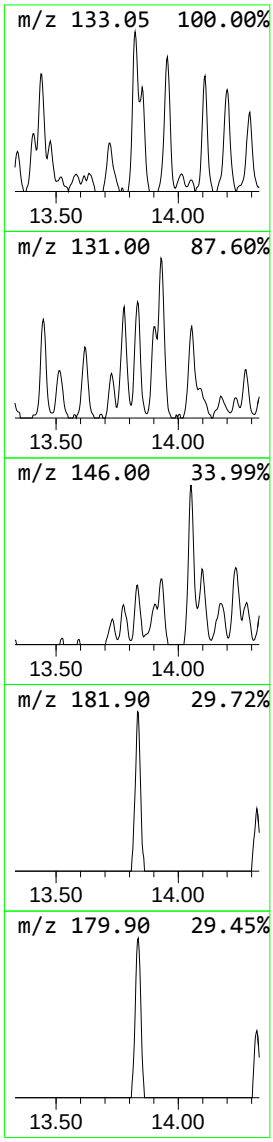
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, (1-methyl-1-butenyl)- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.830	0.58 ug/L	69890	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	52
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42
3	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	38
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	38
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

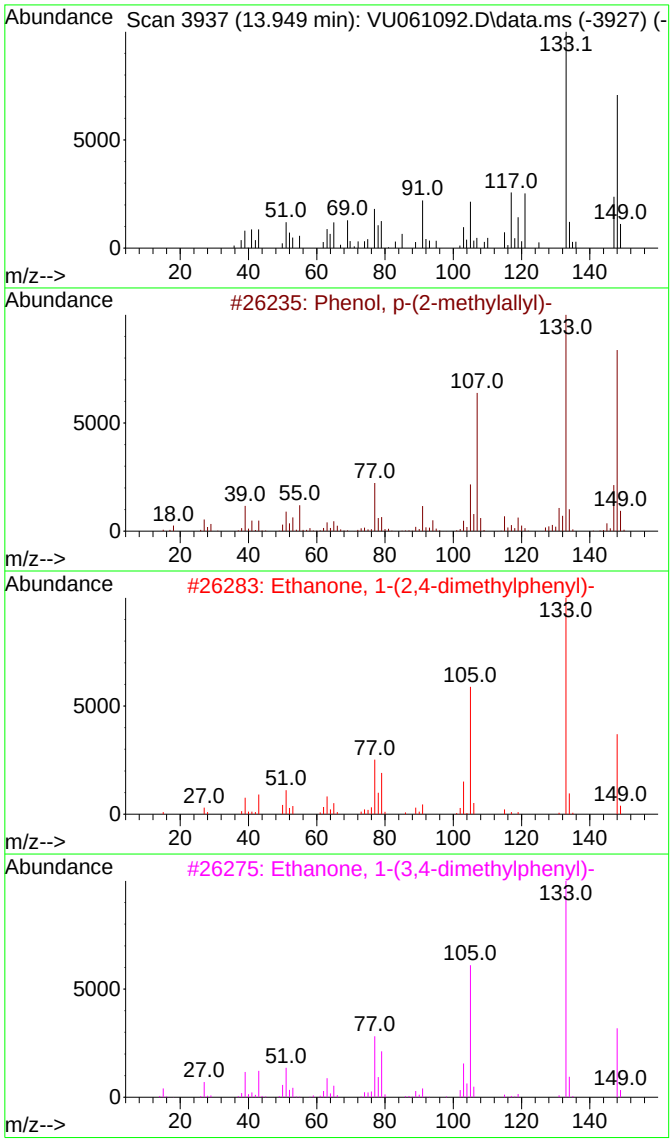
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

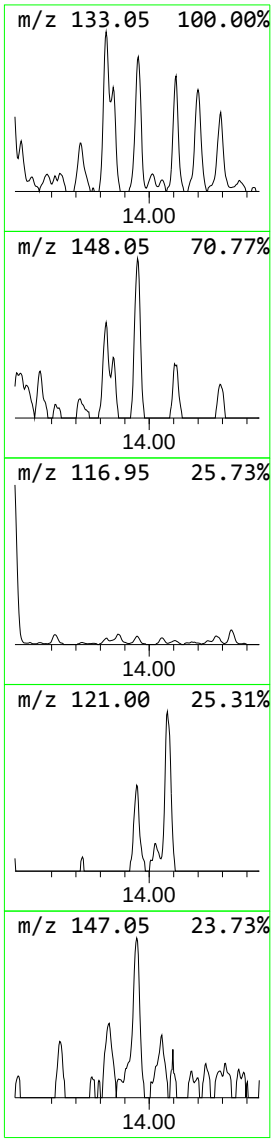
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Phenol, p-(2-methylallyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.949	0.58 ug/L	70268	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-(2-methylallyl)-	148	C10H12O	033641-78-0	83
2	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	76
3	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	76
4	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	72
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

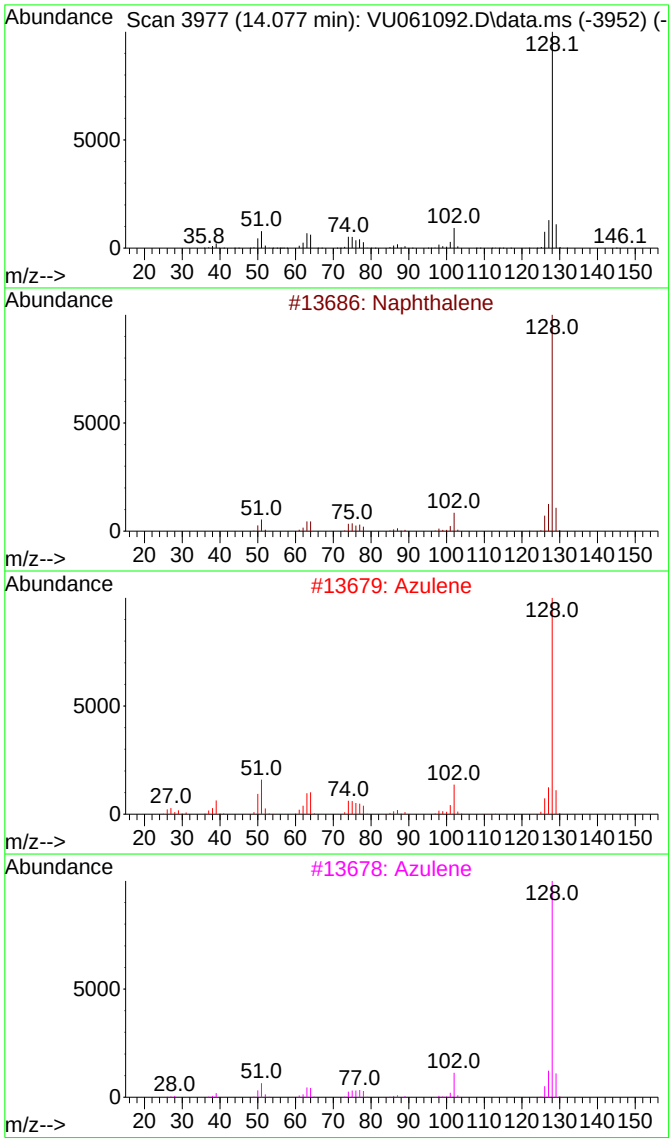
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

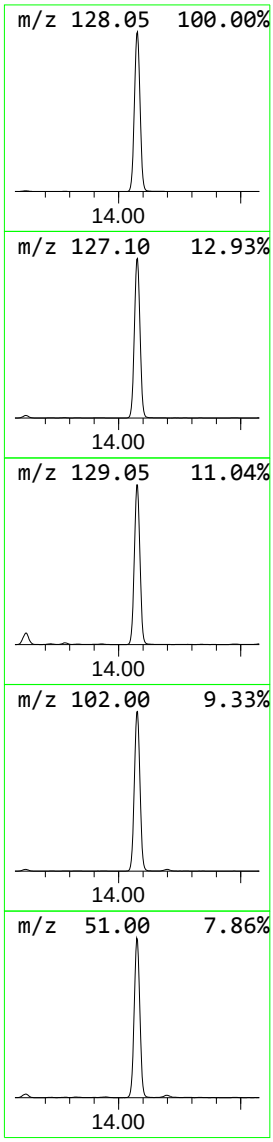
****

Peak Number 26 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.077	47.77 ug/L	5767490	1,4-Dichlorobenzene-d4	11.804

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	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

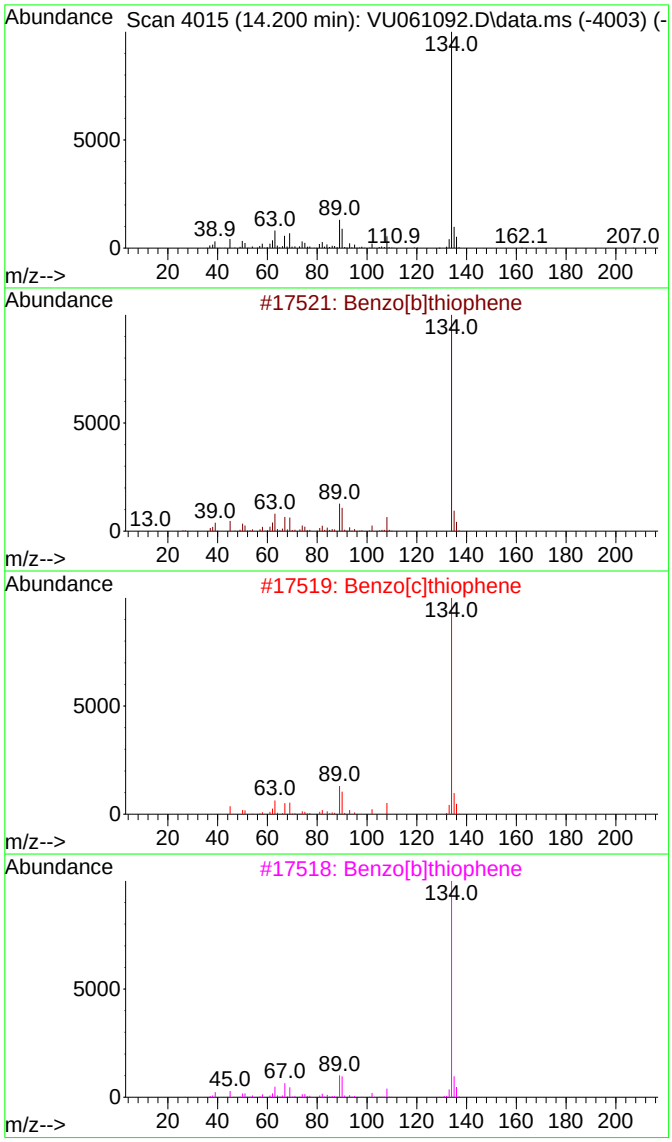
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

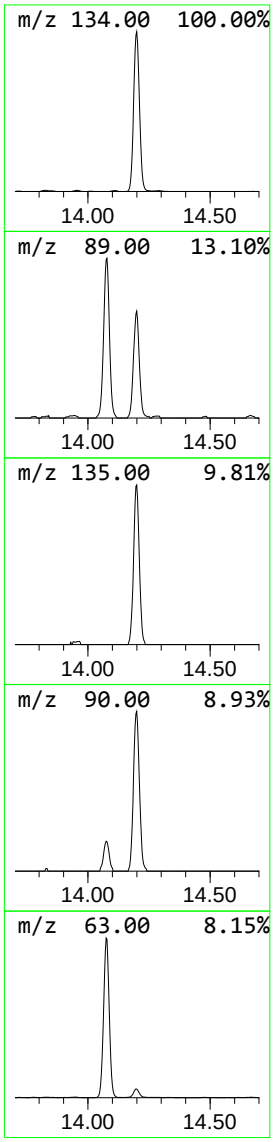
****

Peak Number 27 Benzo[b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	2.45 ug/L	296001	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	97
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

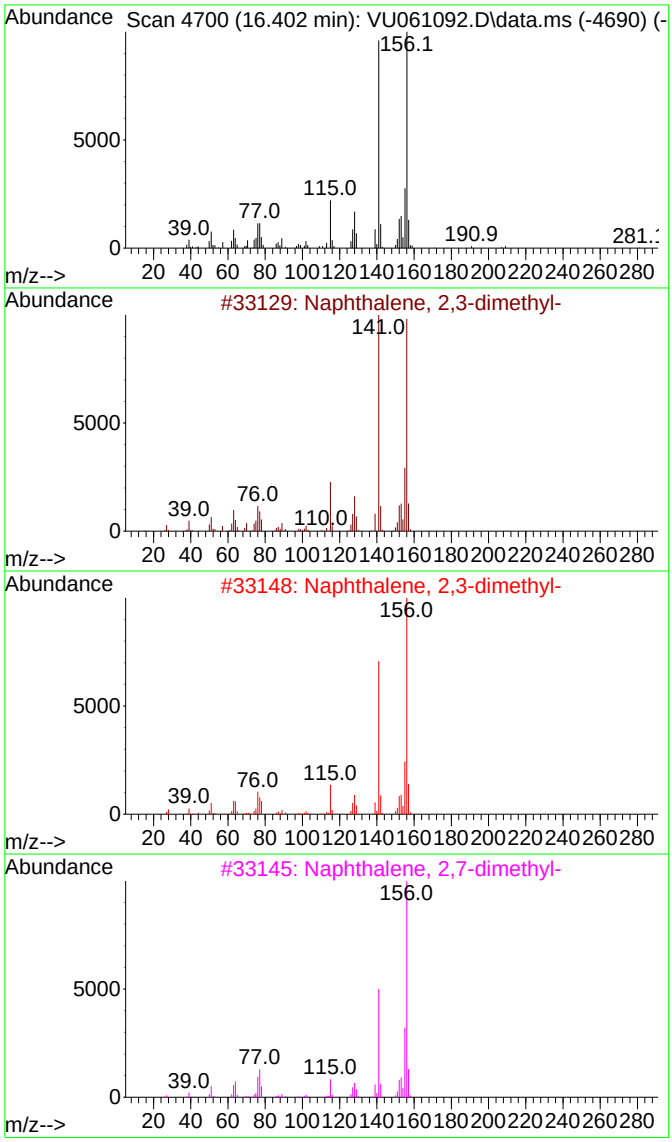
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

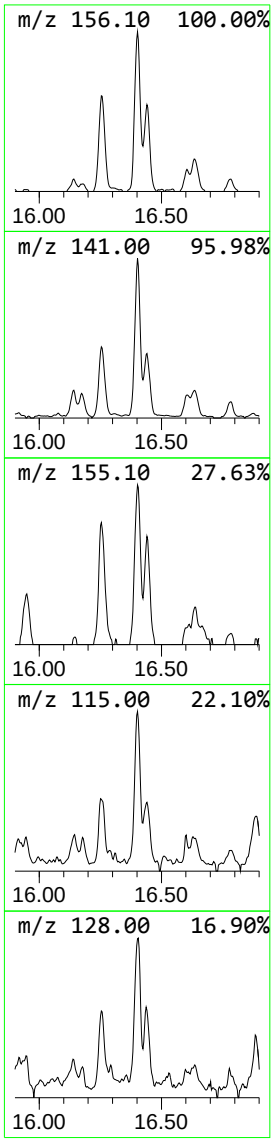
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Naphthalene, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.402	0.75 ug/L	90042	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

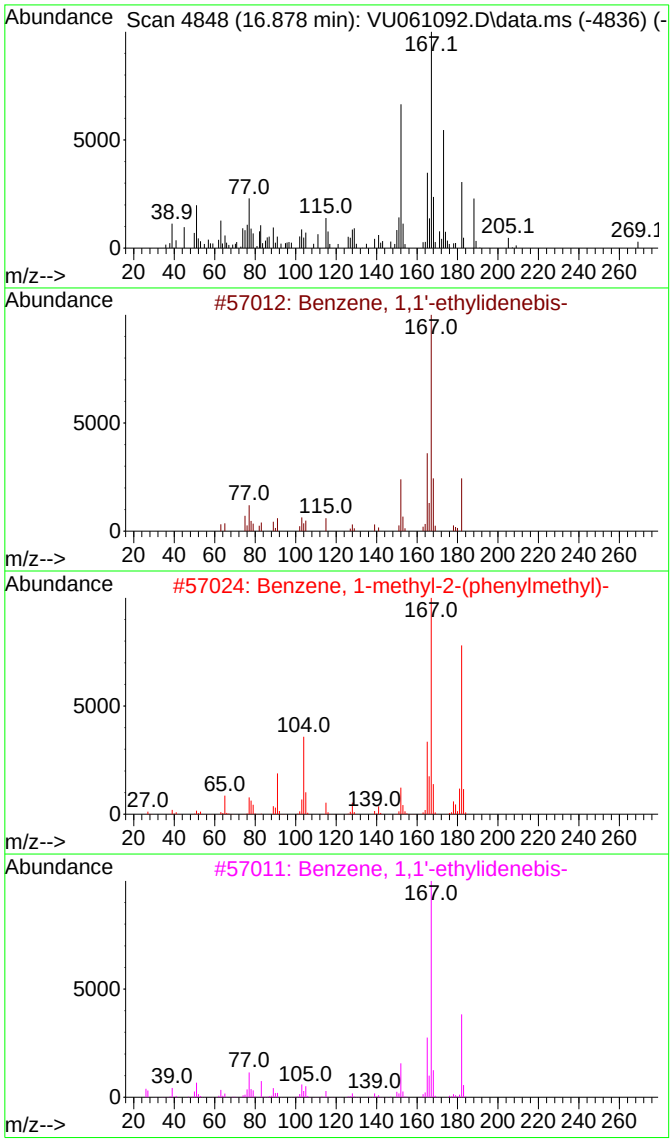
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0

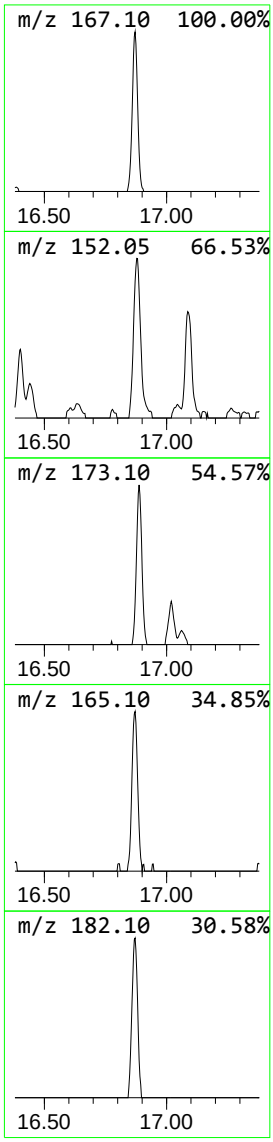
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 1,1'-ethylidenebis- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.878	0.77 ug/L	92606	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	91
2	Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	55
3	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	46
4	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	46
5	.beta.-Phenyl-L-phenylalanine, m...	255	C16H17NO2	196395-12-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
Data File : VU061092.D
Acq On : 10 Oct 2024 16:21
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.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
Sulfur dioxide	2.020	1.1	ug/L	90277	1	6.271	403449	5.0
Thiophene	6.046	1.6	ug/L	125717	1	6.271	403449	5.0
Benzene, 1-ethy...	10.994	1.3	ug/L	153769	3	11.804	603673	5.0
Benzene, 1-ethy...	11.287	0.9	ug/L	113640	3	11.804	603673	5.0
Benzene, 1,2,3-...	11.888	2.9	ug/L	346988	3	11.804	603673	5.0
Benzene, cyclop...	12.087	3.2	ug/L	387571	3	11.804	603673	5.0
Indene	12.303	15.2	ug/L	1834100	3	11.804	603673	5.0
Benzene, 1-meth...	12.370	0.6	ug/L	71409	3	11.804	603673	5.0
p-Cymene	12.457	0.7	ug/L	83228	3	11.804	603673	5.0
o-Cymene	12.489	0.5	ug/L	62467	3	11.804	603673	5.0
Benzene, 2-ethy...	12.563	0.9	ug/L	103504	3	11.804	603673	5.0
1-Methyl-2-phen...	12.676	0.9	ug/L	109010	3	11.804	603673	5.0
unknown-01	12.868	0.6	ug/L	77123	3	11.804	603673	5.0
Benzofuran, 2-m...	12.917	0.8	ug/L	100893	3	11.804	603673	5.0
Benzene, 1,2,3,...	12.965	0.8	ug/L	96652	3	11.804	603673	5.0
Benzene, 1-ethy...	13.020	3.1	ug/L	376059	3	11.804	603673	5.0
Indan, 1-methyl-	13.283	0.5	ug/L	61294	3	11.804	603673	5.0
Benzene, 1-meth...	13.441	2.4	ug/L	294649	3	11.804	603673	5.0
Benzene, (1-met...	13.512	0.8	ug/L	98404	3	11.804	603673	5.0
1H-Indene, 1-me...	13.618	1.6	ug/L	198915	3	11.804	603673	5.0
Benzene, (1-met...	13.830	0.6	ug/L	69890	3	11.804	603673	5.0
Phenol, p-(2-me...	13.949	0.6	ug/L	70268	3	11.804	603673	5.0
Azulene	14.077	47.8	ug/L	5767490	3	11.804	603673	5.0
Benzo[b]thiophene	14.200	2.5	ug/L	296001	3	11.804	603673	5.0
Naphthalene, 2,...	16.402	0.8	ug/L	90042	3	11.804	603673	5.0
Benzene, 1,1'-e...	16.878	0.8	ug/L	92606	3	11.804	603673	5.0