LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

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\SFAMUTR091624WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU060867.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.595	87	95	106	rBV	60821	68575	3.50%	0.420%
2	1.910	184	193	207	rBV	49425	69235	3.54%	0.424%
3	2.563	384	396	414	rBV	90145	149649	7.65%	0.917%
4	3.177	575	587	606	rVB2	10664	25134	1.28%	0.154%
5	3.354	629	642	658	rBV3	12062	27353	1.40%	0.168%
6	4.521	987	1005	1026	rBV4	82886	206134	10.53%	1.264%
7	4.637	1026	1041	1079	rBV	54343	190597	9.74%	1.168%
8	5.055	1156	1171	1191	rBV	81762	182895	9.35%	1.121%
9	5.380	1256	1272	1288	rBV2	64449	149143	7.62%	0.914%
10	5.717	1359	1377	1405	rVV3	164147	442325	22.60%	2.712%
11	5.843	1406	1416	1428	rVV4	9355	22024	1.13%	0.135%
12	5.914	1428	1438	1448	rVV8	10459	22032	1.13%	0.135%
13	5.981	1448	1459	1474	rVB5	16664	35331	1.81%	0.217%
14	6.241	1528	1540	1562	rBV	173726	341615	17.46%	2.094%
15	6.682	1664	1677	1688	rBV2	100736	201639	10.30%	1.236%
16	6.753	1688	1699	1725	rVB2	169563	363704	18.59%	2.230%
17	7.560	1939	1950	1969	rBV2	46523	90885	4.64%	0.557%
18	7.891	2043	2053	2071	rVB	191466	344849	17.62%	2.114%
19	8.177	2131	2142	2152	rBV2	26971	47665	2.44%	0.292%
20	8.235	2152	2160	2172	rVB3	11864	21075	1.08%	0.129%
21	8.630	2272	2283	2322	rBV	199326	420375	21.48%	2.577%
22	9.412	2513	2526	2549	rBV	250456	439728	22.47%	2.696%
23	9.566	2562	2574	2594	rVB2	26276	48281	2.47%	0.296%
24	9.685	2598	2611	2637	rBV	475033	801945	40.98%	4.916%
25	10.476	2843	2857	2882	rBV	125074	206715	10.56%	1.267%
26	10.746	2931	2941	2956	rBV	80680	131759	6.73%	0.808%
27	10.900	2977	2989	3007	rBV	110261	182340	9.32%	1.118%
28	11.460	3151	3163	3181	rBV	495410	771868	39.45%	4.732%
29	11.634	3212	3217	3228	rVB2	20546	31492	1.61%	0.193%
30	11.804	3256	3270	3285	rBV	275297	450584	23.03%	2.762%
31	11.888	3285	3296	3312	rVB	204051	323228	16.52%	1.982%
32	12.000	3321	3331	3343	rVB3	16500	26994	1.38%	0.165%
33	12.087	3345	3358	3376	rBV3	368114	599330	30.63%	3.674%
34	12.187	3376	3389	3406	rVV4	270751	530709	27.12%	3.253%
35	12.293	3412	3422	3436	rVB2	49088	77054	3.94%	0.472%
36	12.457	3462	3473	3478	rBV	208519	331387	16.94%	2.032%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

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\SFAMUTR091624WMA.M
Title : TRACE VOA SFAM1.0

37	12.486	3478	3482	3494	rVV	211150	306383	15.66%	1.878%
38	12.563	3494	3506	3513	rVV	588477	871750	44.55%	5.344%
39	12.601	3513	3518	3530	rVV	140615	222351	11.36%	1.363%
40	12.675	3530	3541	3559	rVB3	317006	660472	33.75%	4.049%
41	12.865	3588	3600	3612	rVB3	103970	197448	10.09%	1.210%
42	12.965	3613	3631	3639	rBV	525158	828360	42.33%	5.078%
43	13.016	3639	3647	3662	rVB	696656	1078242	55.10%	6.610%
44	13.100	3663	3673	3688	rVB3	50818	87369	4.46%	0.536%
45	13.190	3688	3701	3708	rBV2	26779	45001	2.30%	0.276%
46	13.244	3710	3718	3723	rVV2	27151	38719	1.98%	0.237%
47	13.286	3723	3731	3744	rVB	149745	226238	11.56%	1.387%
48	13.402	3756	3767	3768	rBV3	36499	48341	2.47%	0.296%
49	13.444	3769	3780	3797	rVB2	1159081	1956782	100.00%	11.996%
50	13.553	3807	3814	3823	rVB	23615	34291	1.75%	0.210%
51	13.614	3823	3833	3847	rVB2	112060	187462	9.58%	1.149%
52	13.727	3856	3868	3876	rBV5	13979	29674	1.52%	0.182%
53	13.775	3876	3883	3890	rVV2	20424	29822	1.52%	0.183%
54	13.830	3890	3900	3915	rBV5	50267	105122	5.37%	0.644%
55	14.077	3961	3977	4002	rBV	583067	982801	50.23%	6.025%

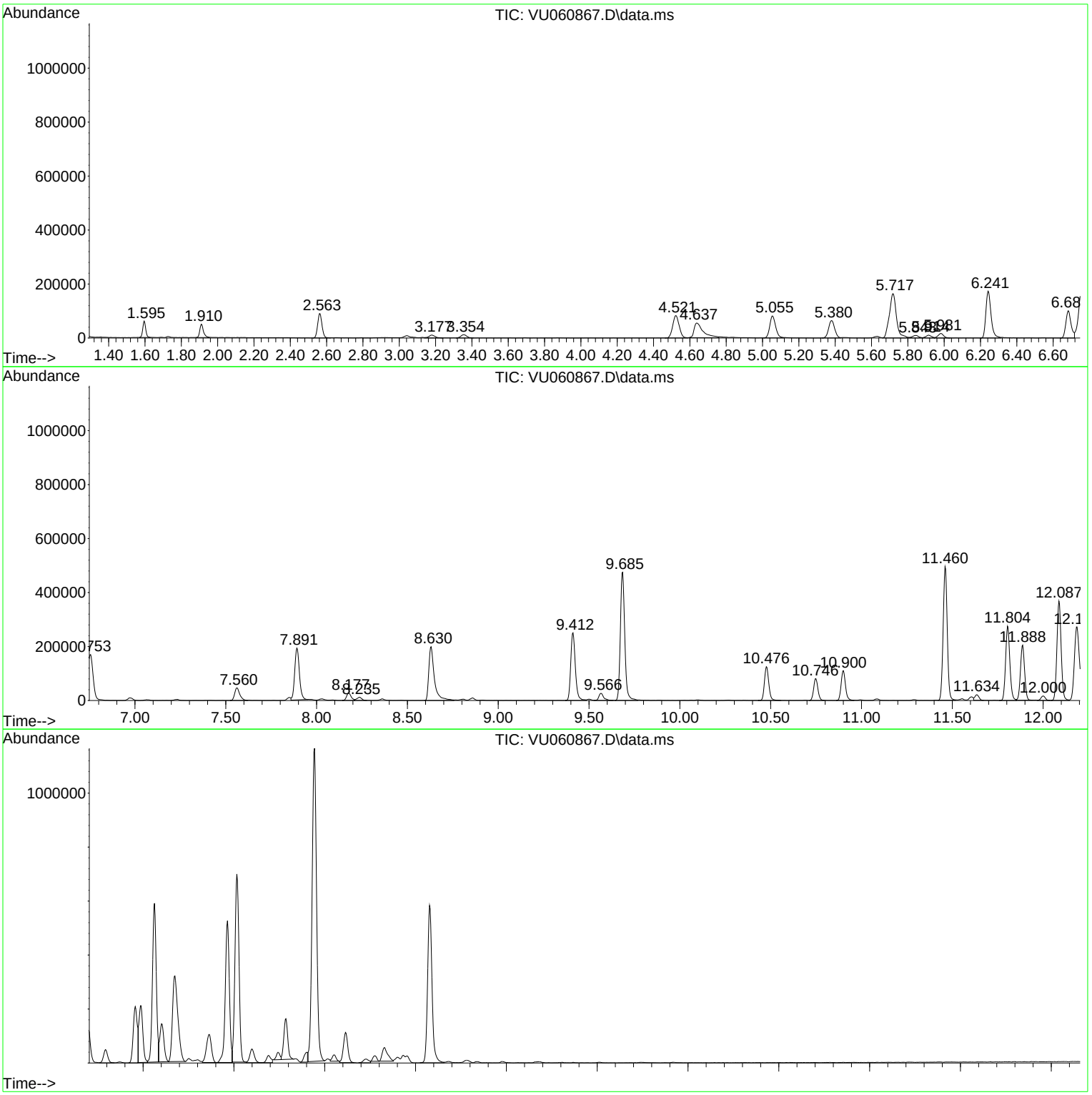
Sum of corrected areas: 16312276

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.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\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

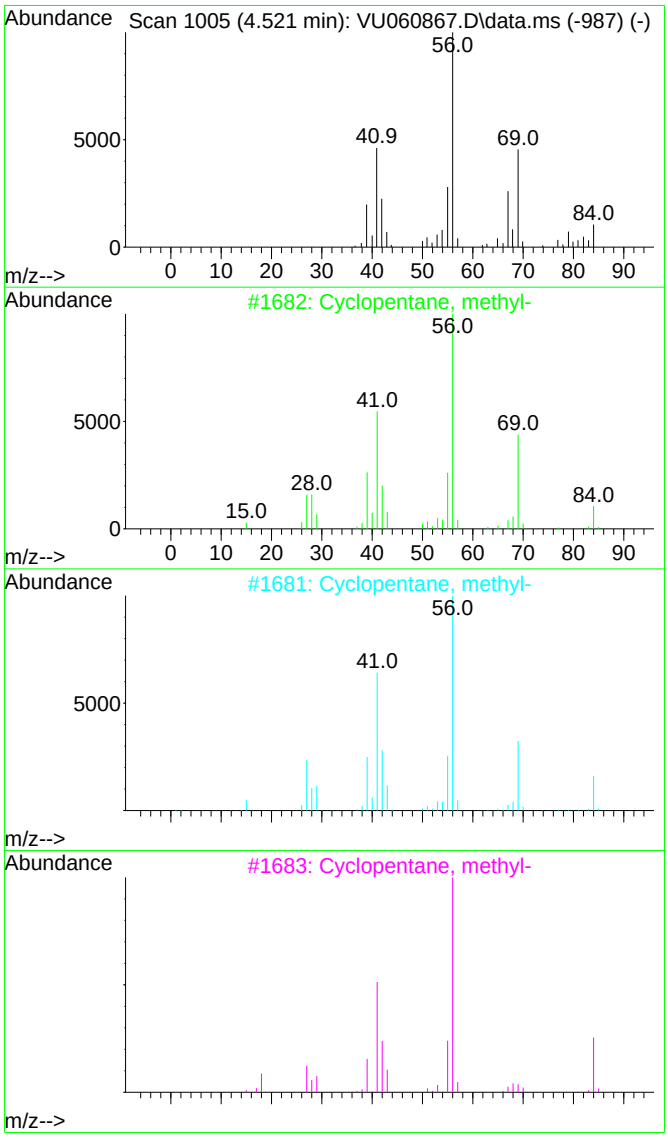
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

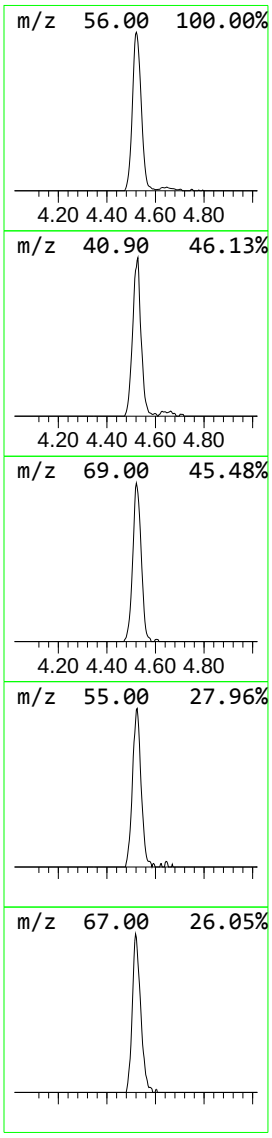
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Cyclic4.521 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.521	3.02 ug/L	206134	1,4-Difluorobenzene	6.241

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	74
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	53
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	53
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	52
5	1-Butanol	74	C4H10O	000071-36-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

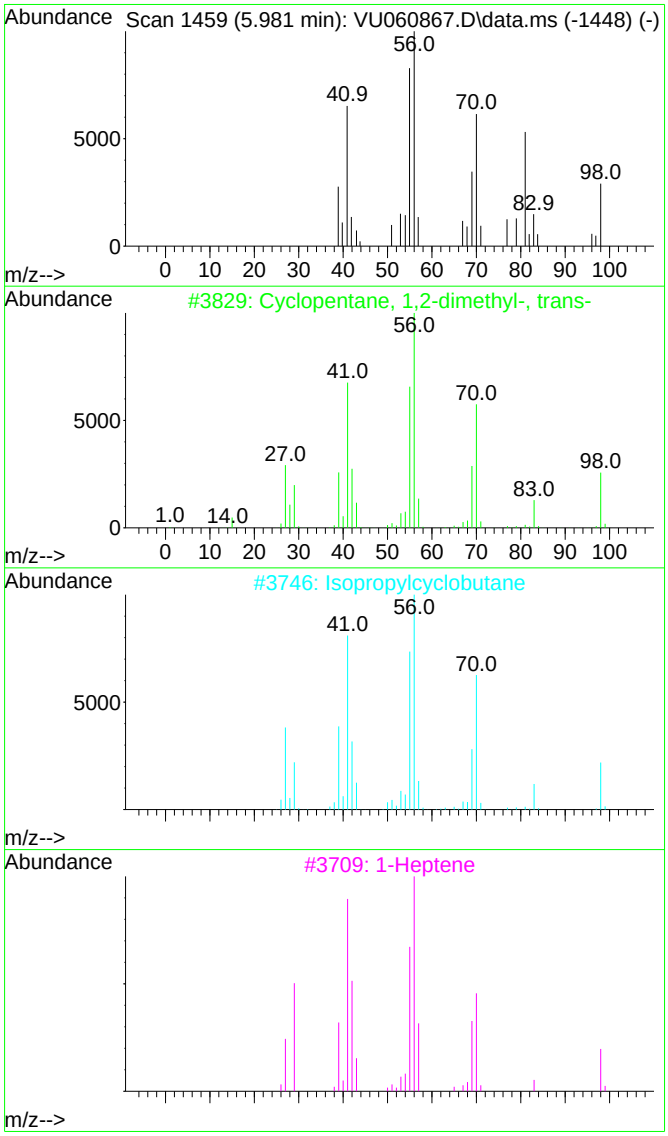
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

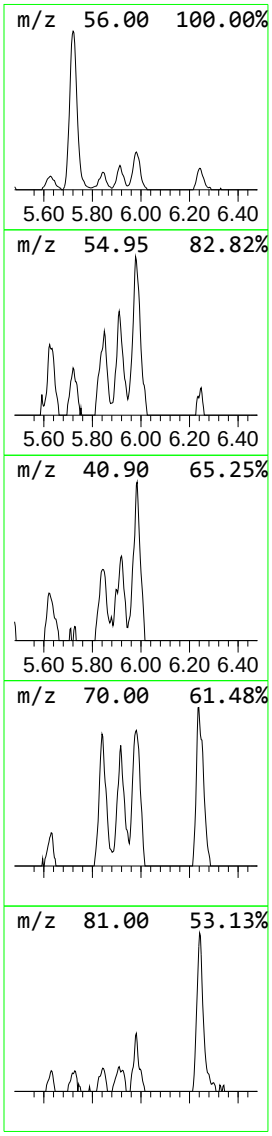
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic5.981 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.981	0.52 ug/L	35331	1,4-Difluorobenzene	6.241

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
2	Isopropylcyclobutane	98	C7H14	000872-56-0	74
3	1-Heptene	98	C7H14	000592-76-7	72
4	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	70
5	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

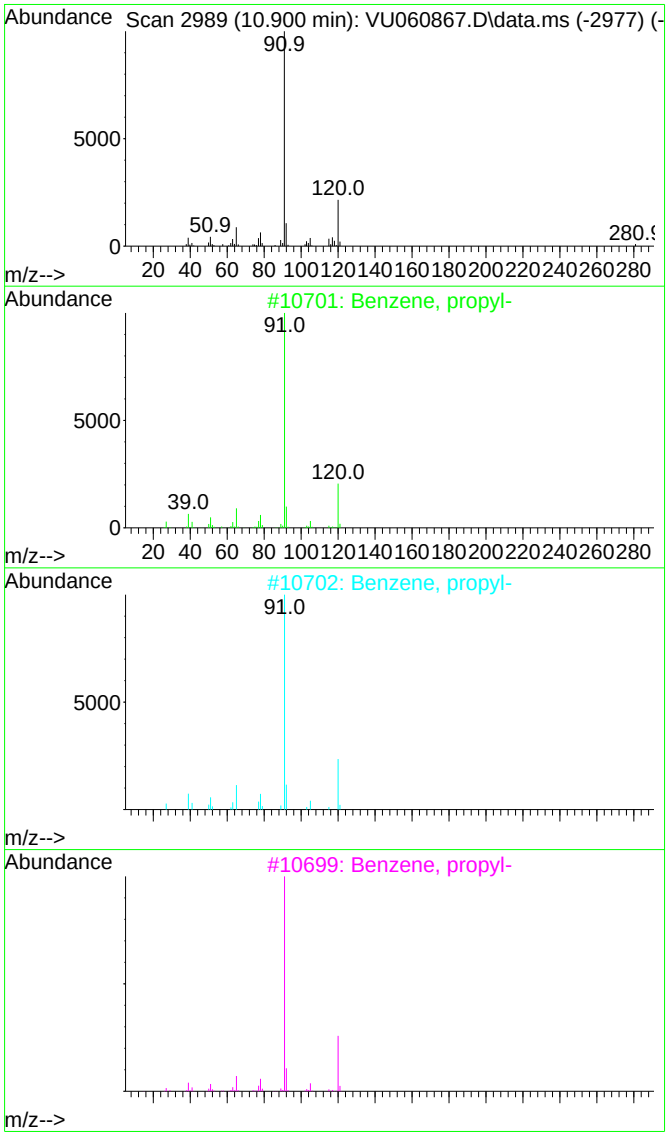
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

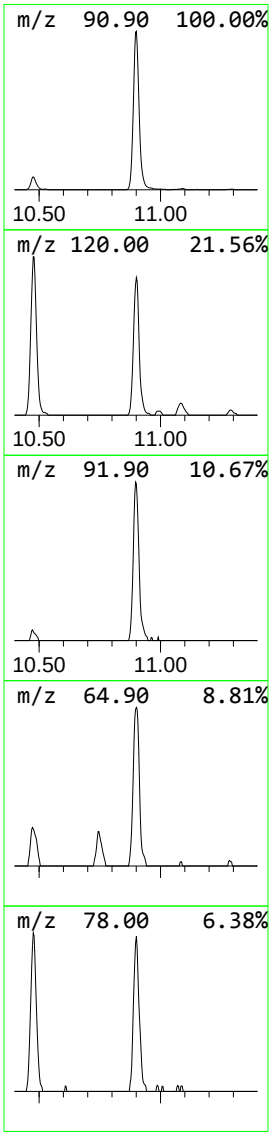
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.900	2.02 ug/L	182340	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	76
2	Benzene, propyl-	120	C9H12	000103-65-1	76
3	Benzene, propyl-	120	C9H12	000103-65-1	76
4	Benzene, propyl-	120	C9H12	000103-65-1	64
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

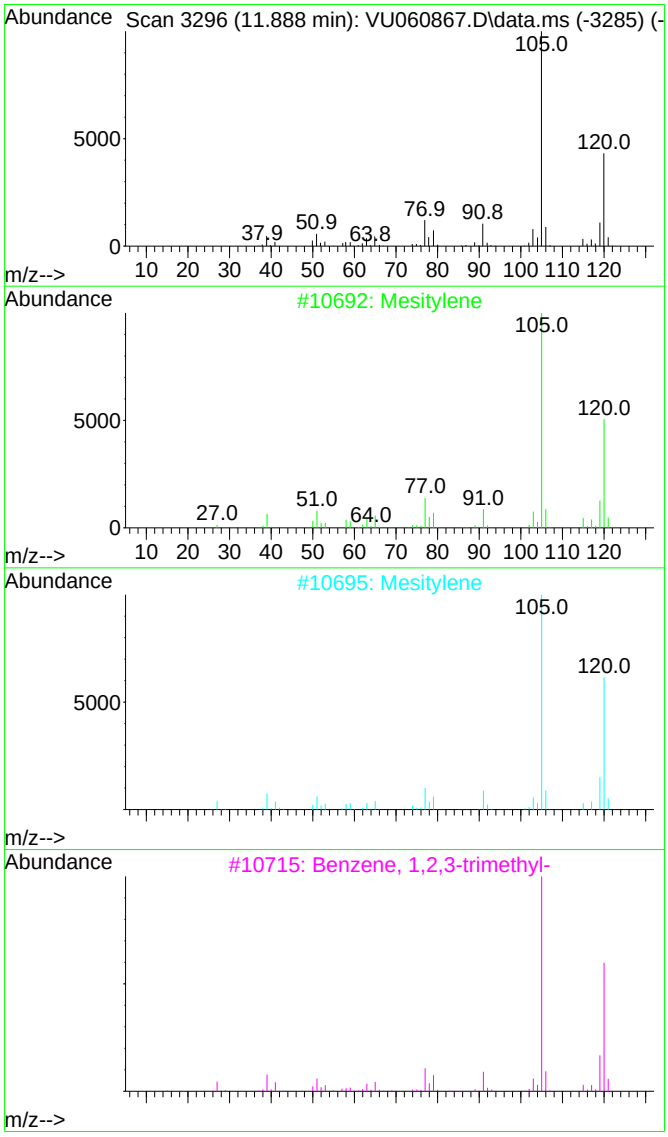
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

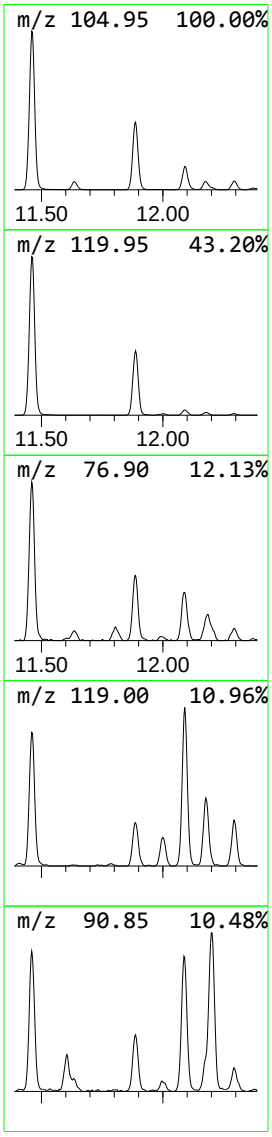
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.888	3.59 ug/L	323228	1,4-Dichlorobenzene-d4	11.804

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

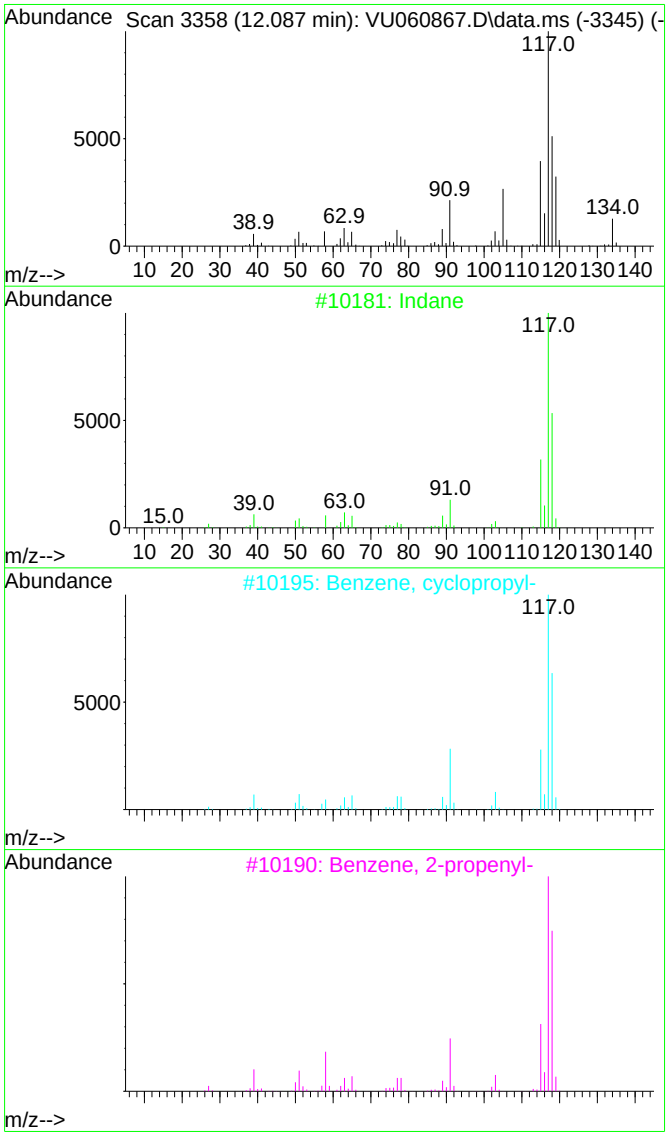
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

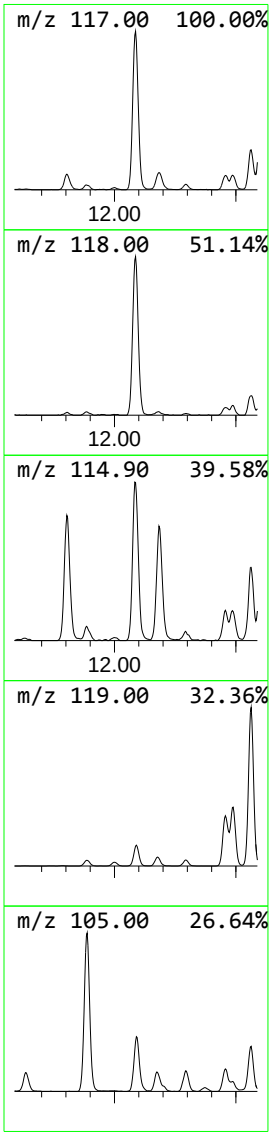
****

Peak Number 6 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.087	6.65 ug/L	599330	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	60
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	53
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

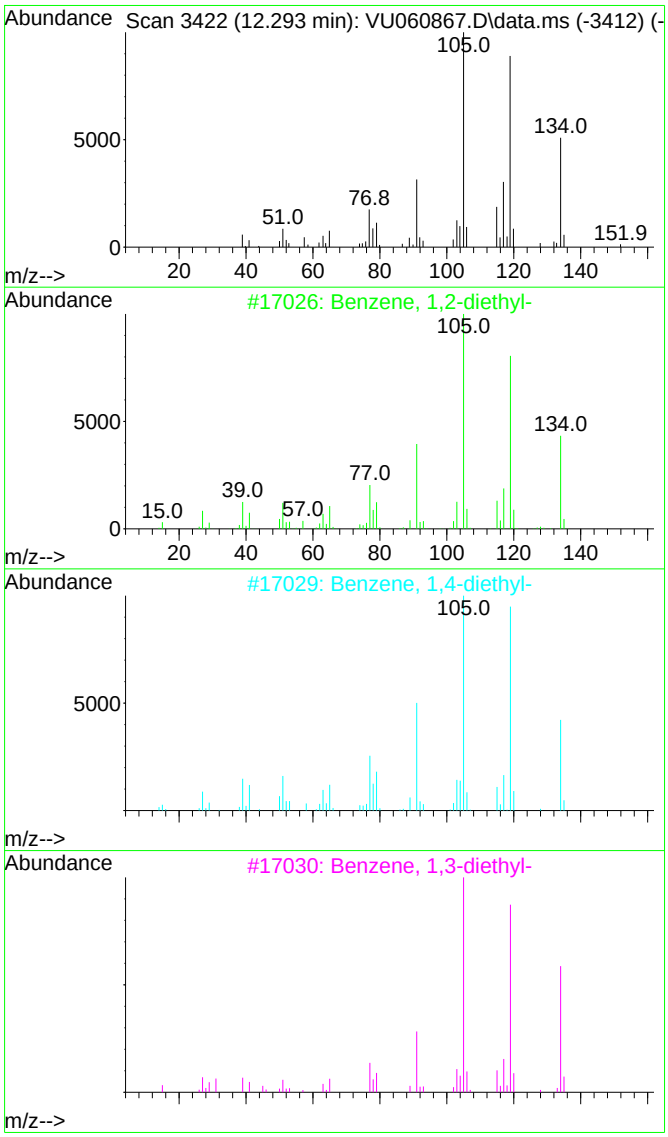
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

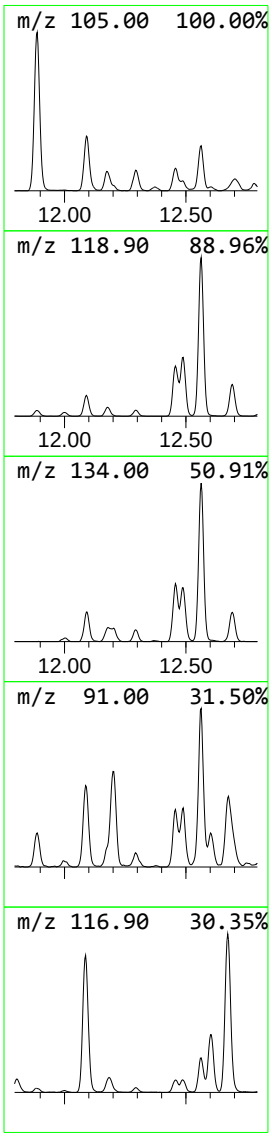
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.293	0.86 ug/L	77054	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

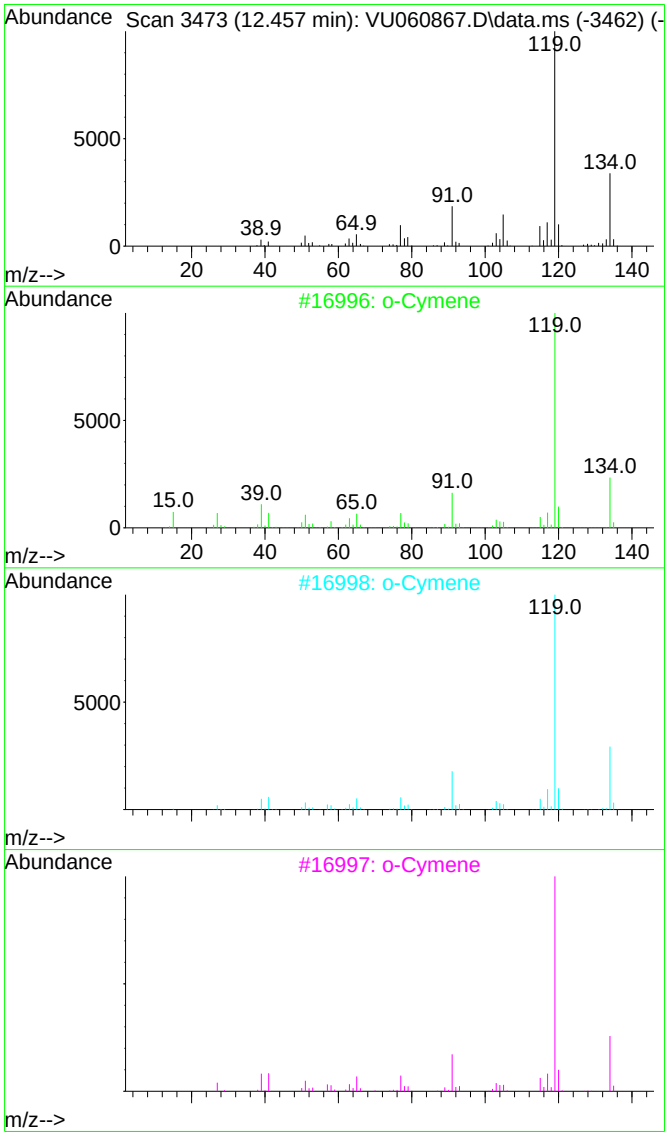
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

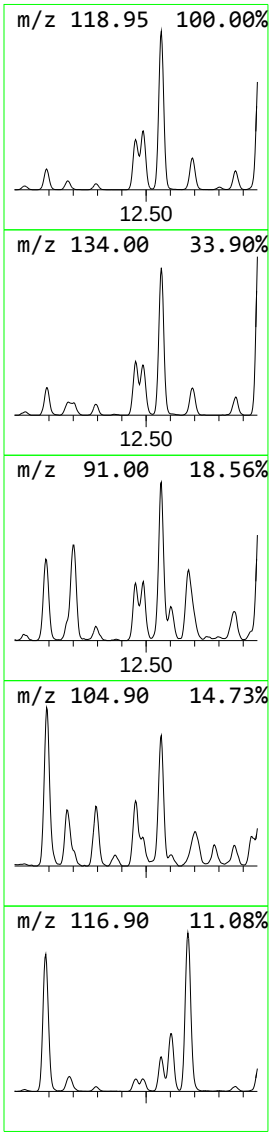
****

Peak Number 8 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	3.68 ug/L	331387	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

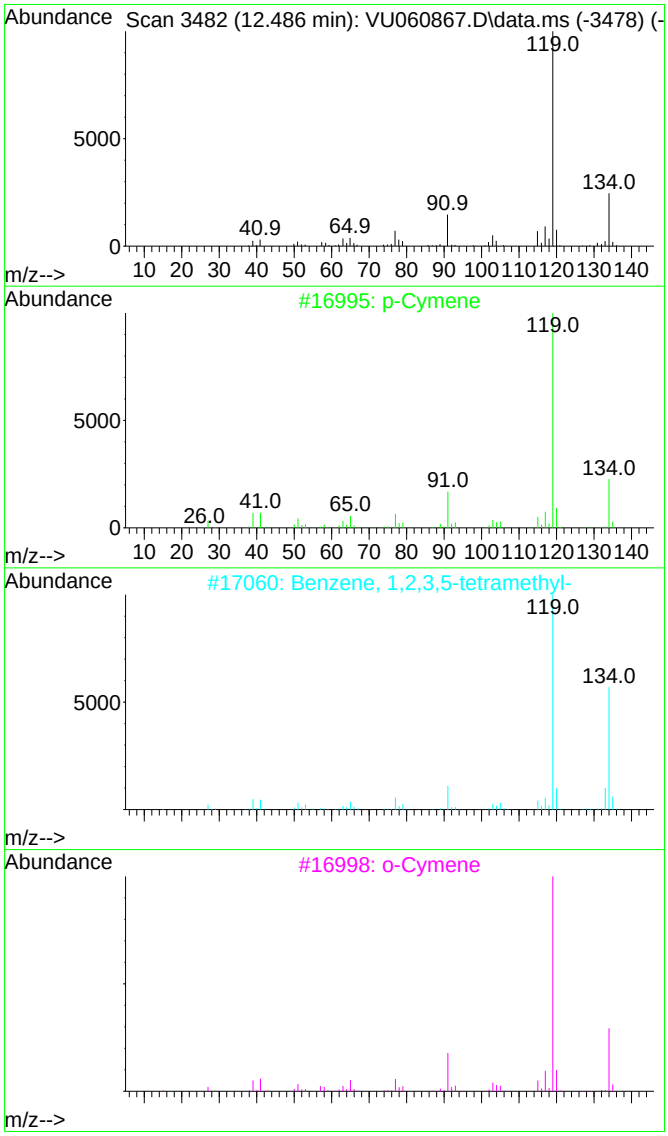
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

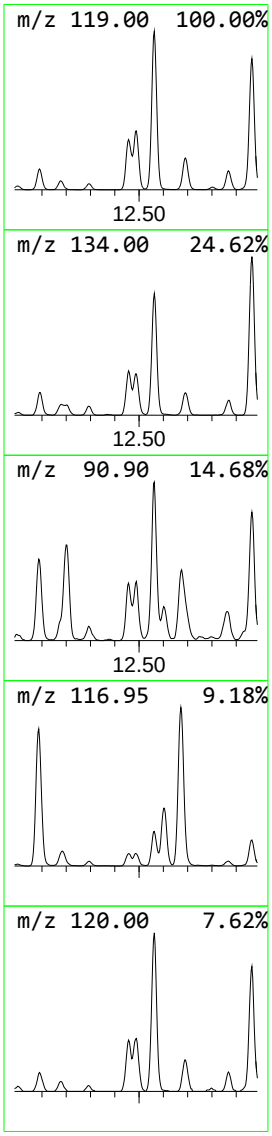
****

Peak Number 9 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	3.40 ug/L	306383	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

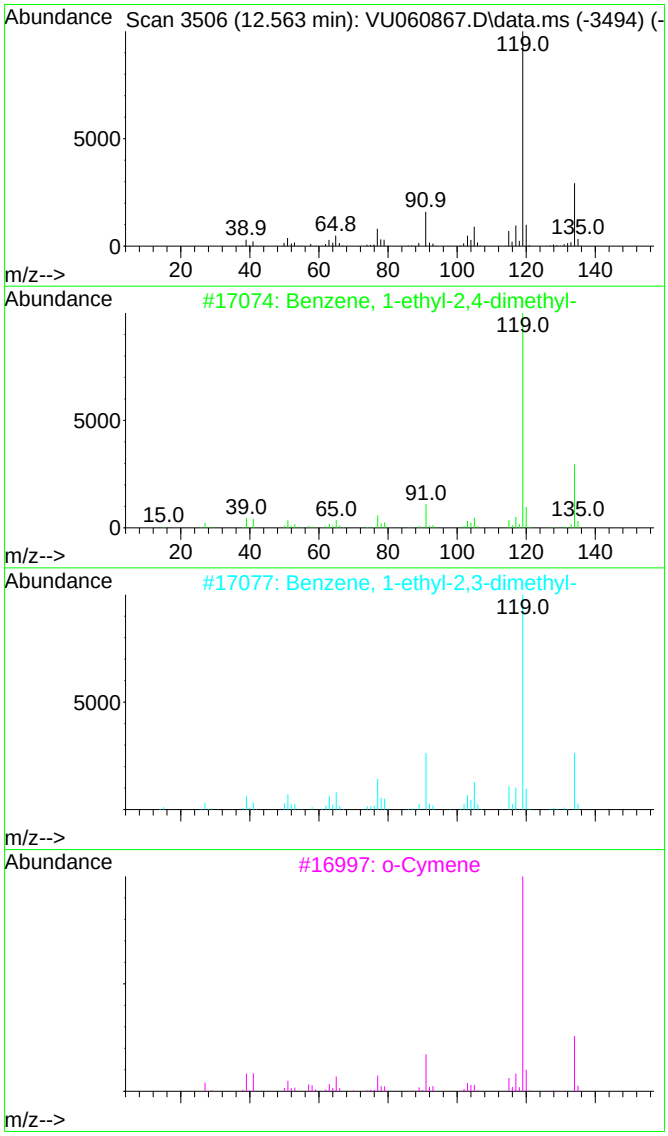
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

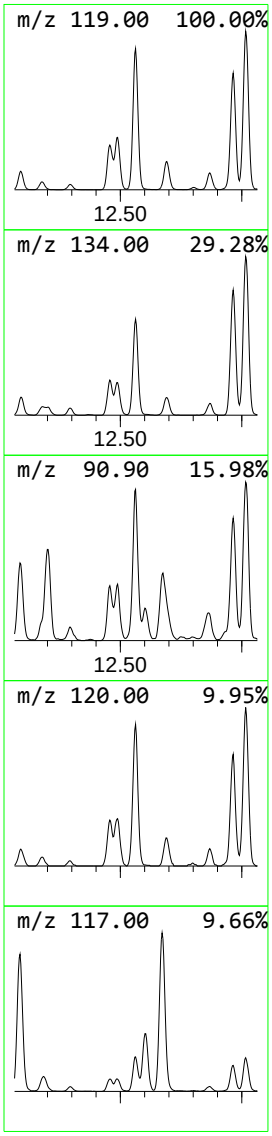
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	9.67 ug/L	871750	1,4-Dichlorobenzene-d4	11.804

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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
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	95





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Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

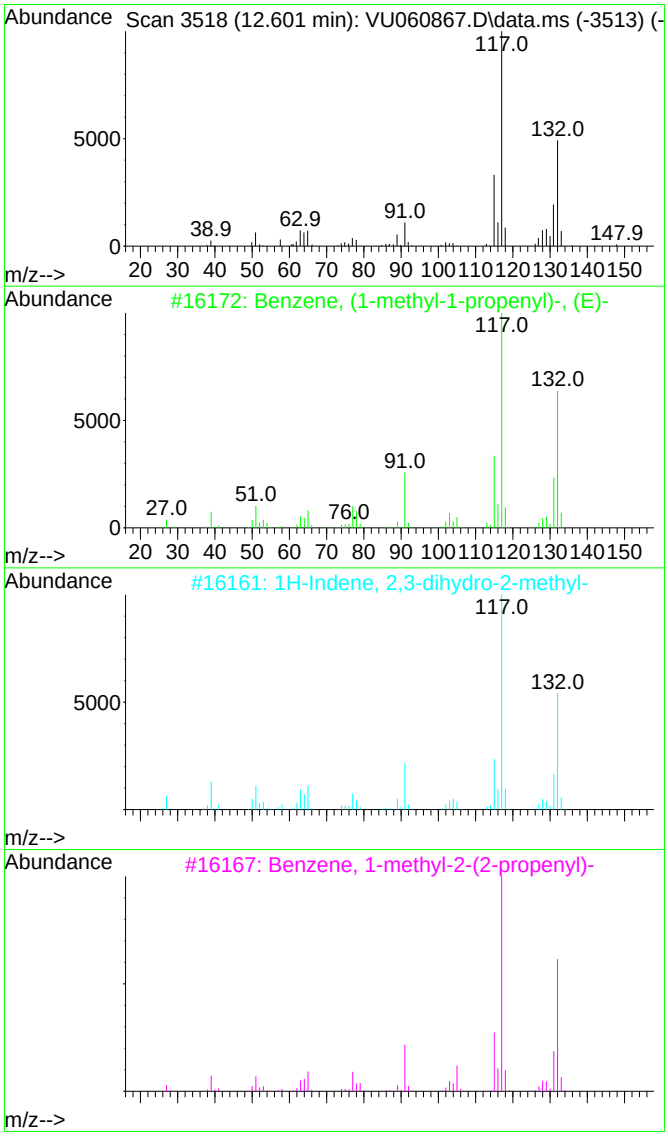
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

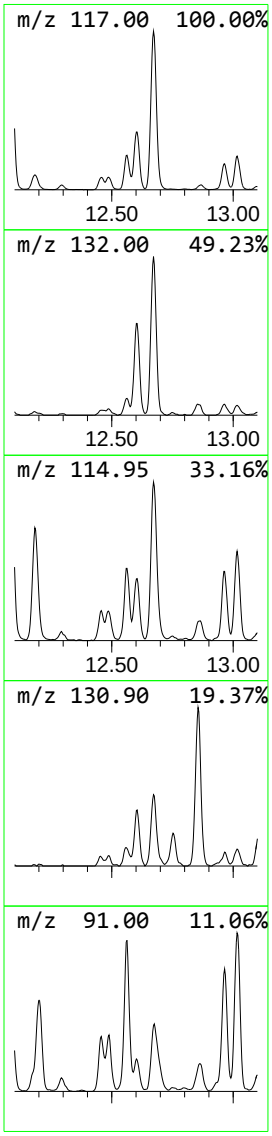
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, (1-methyl-1-propen... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.601	2.47 ug/L	222351	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

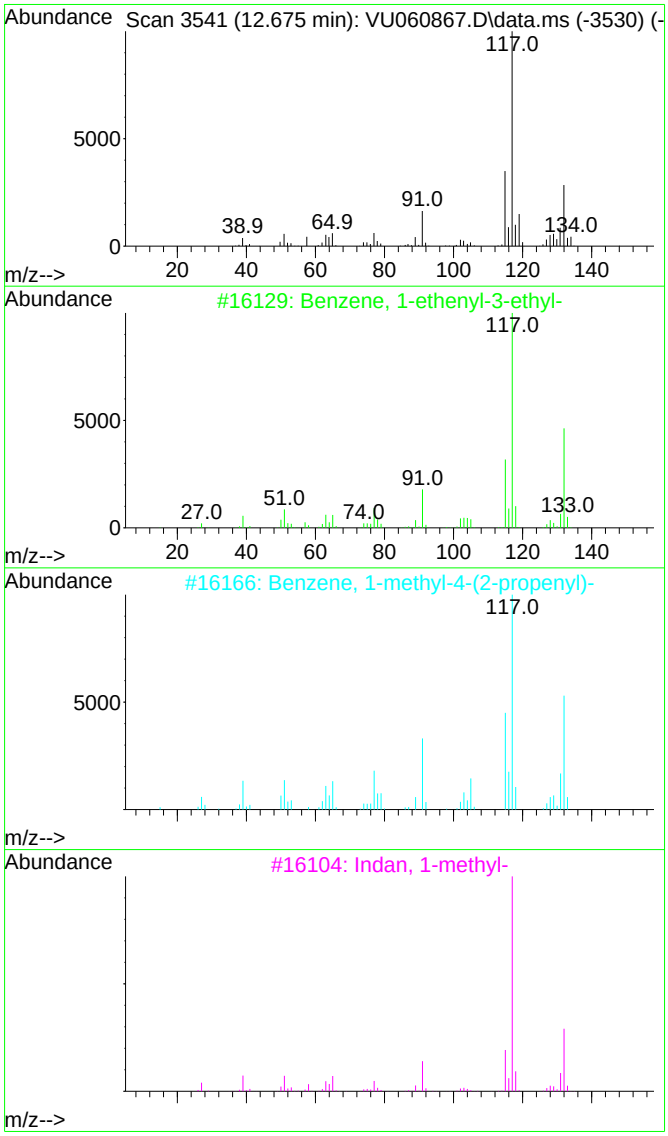
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

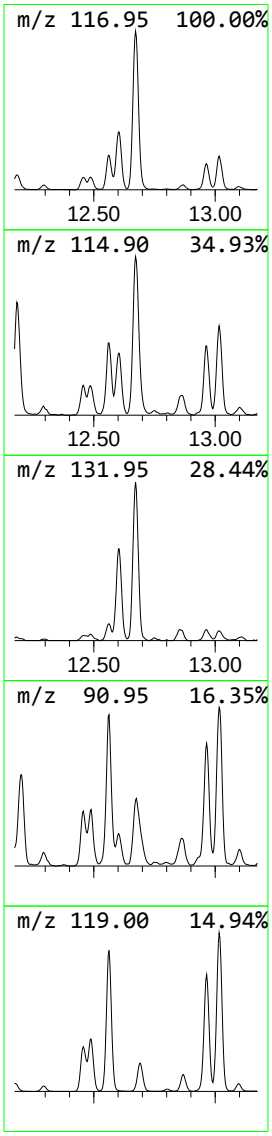
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.675	7.33 ug/L	660472	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	81
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	80





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

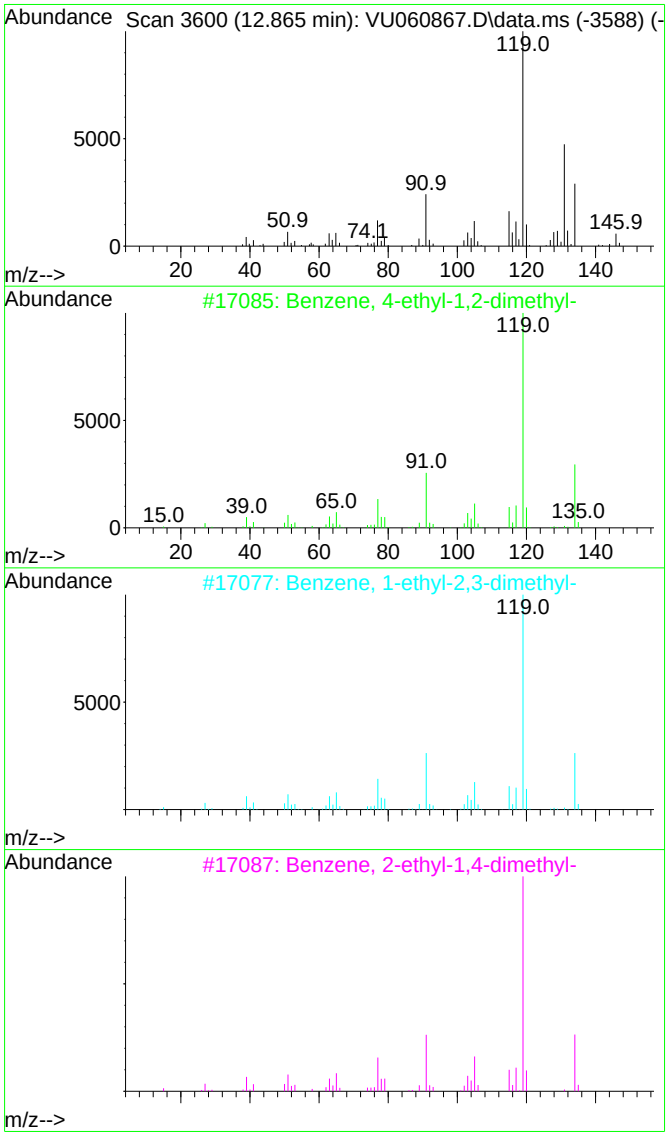
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

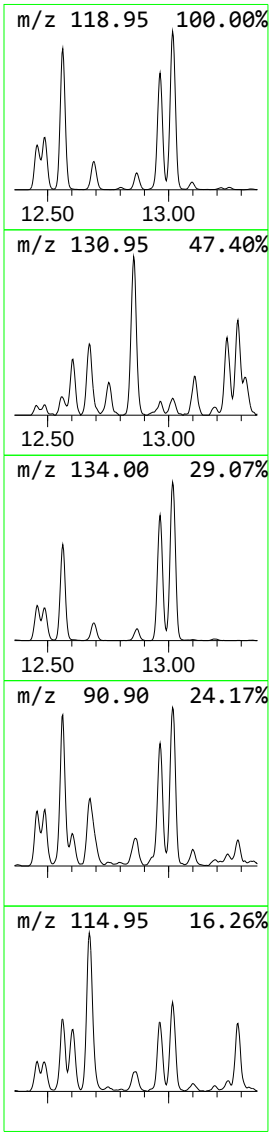
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	2.19 ug/L	197448	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	83
4	o-Cymene	134	C10H14	000527-84-4	64
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

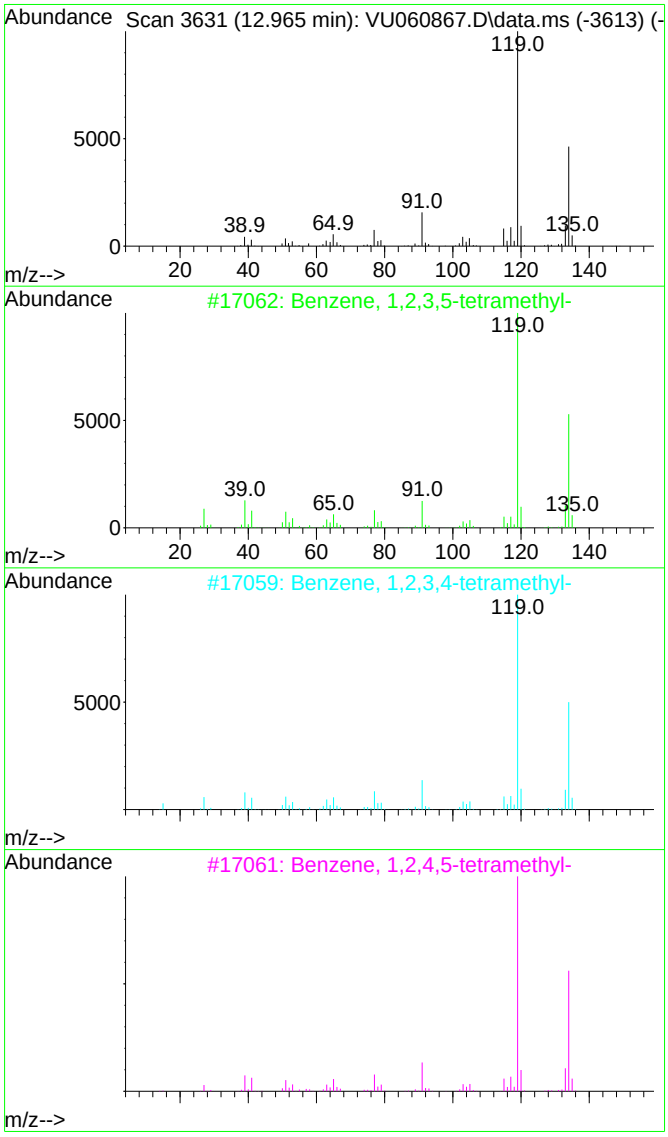
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

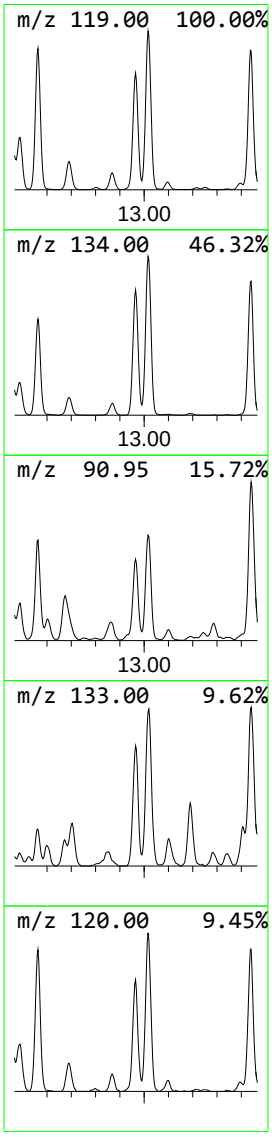
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.965	9.19 ug/L	828360	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	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

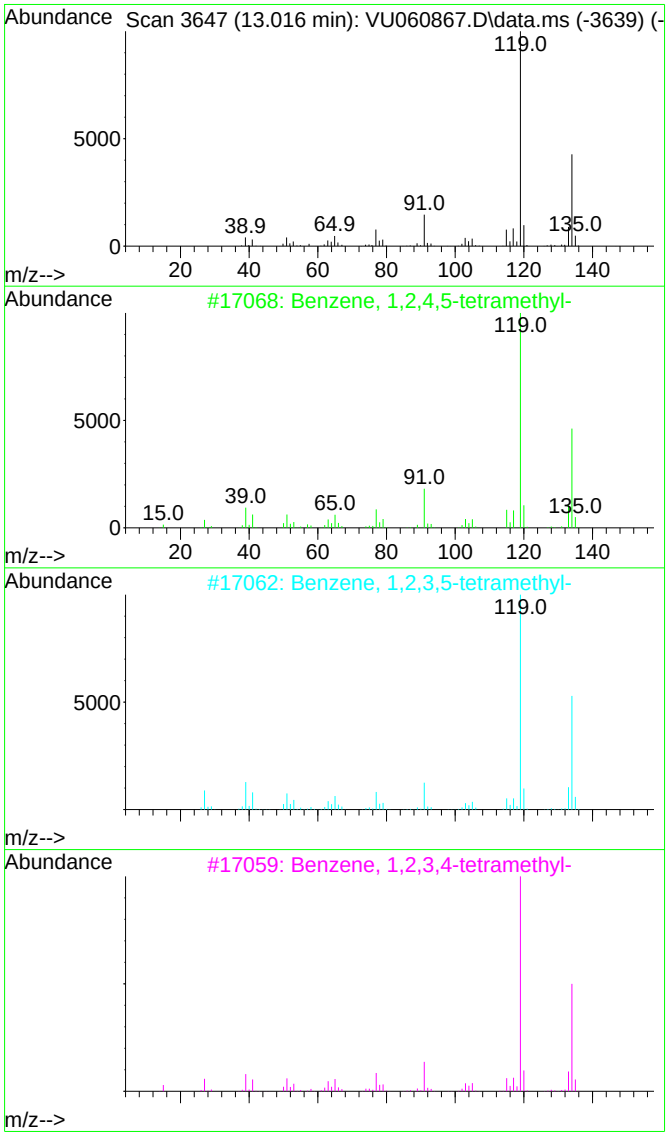
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

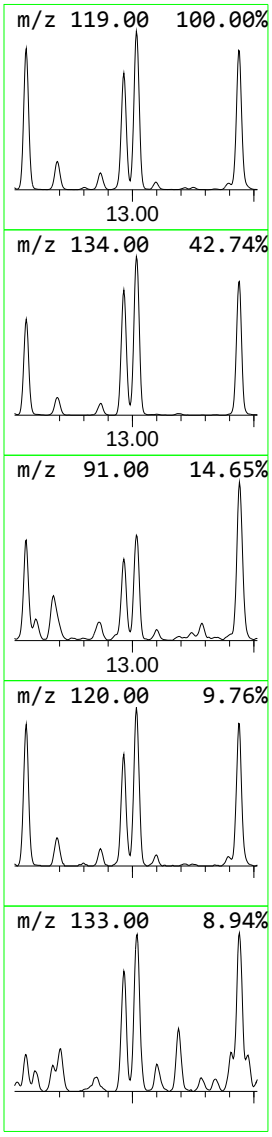
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.016	11.96 ug/L	1078240	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

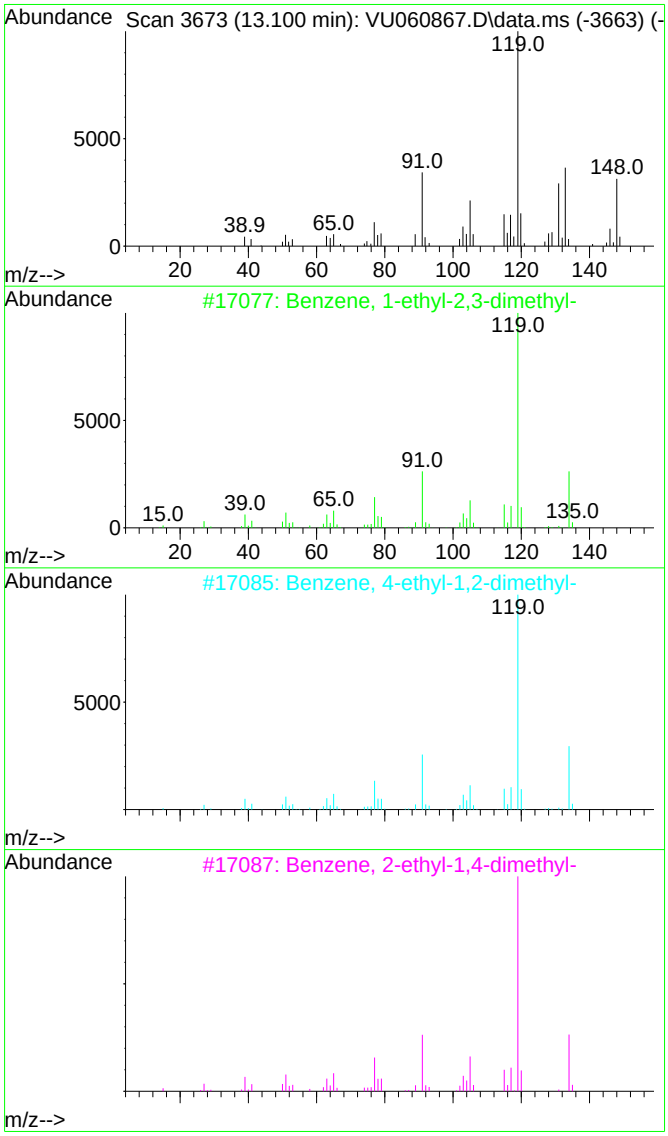
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

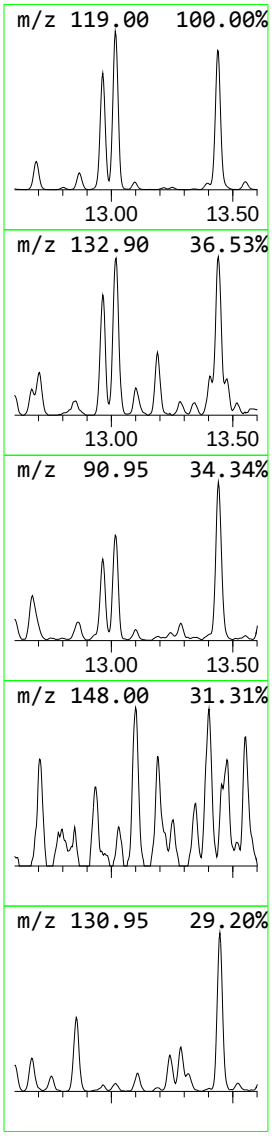
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.100	0.97 ug/L	87369	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	83
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	83
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
4	p-Cymene	134	C10H14	000099-87-6	55
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

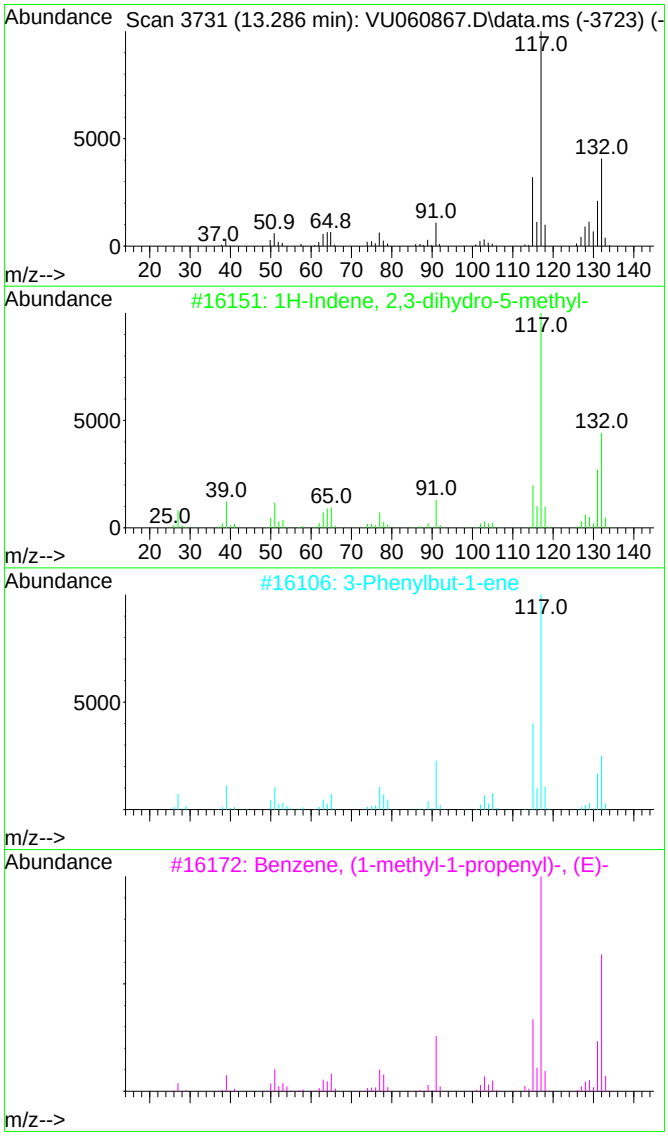
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

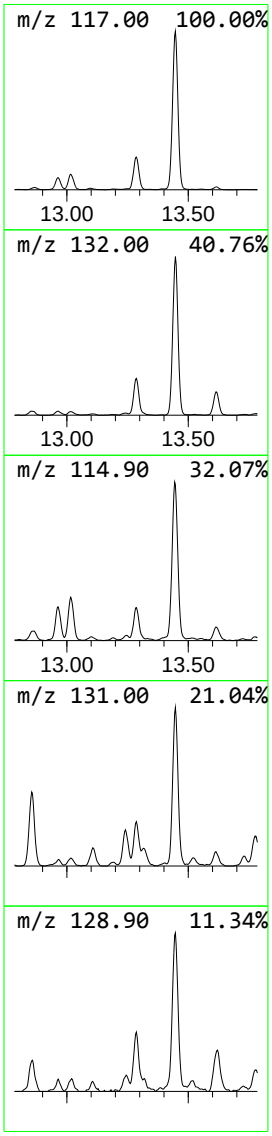
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	2.51 ug/L	226238	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

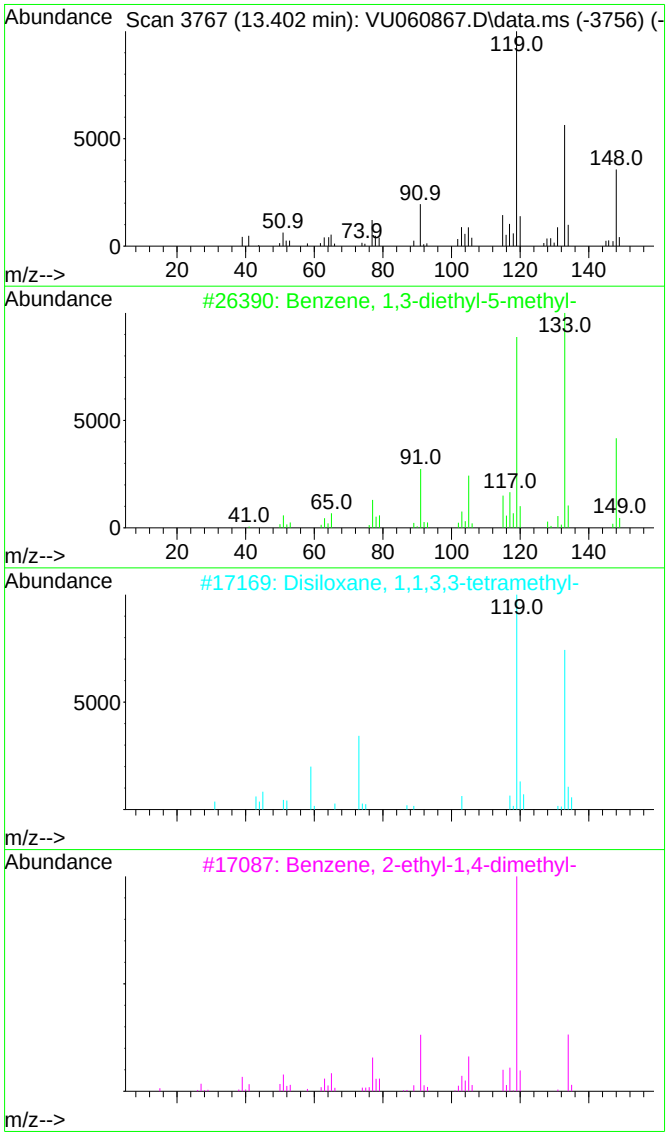
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

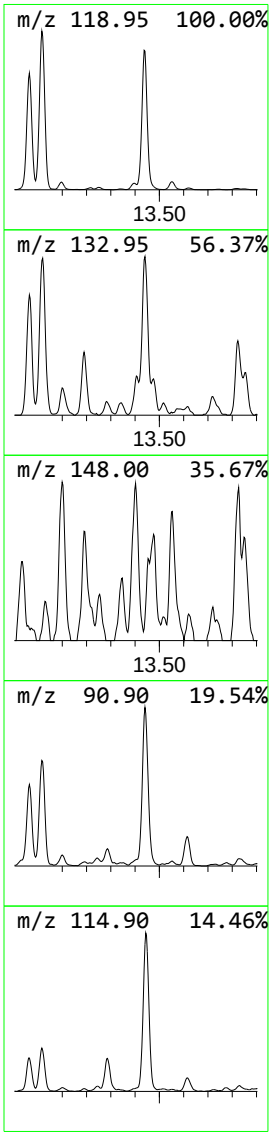
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.402	0.54 ug/L	48341	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	83
2	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	72
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

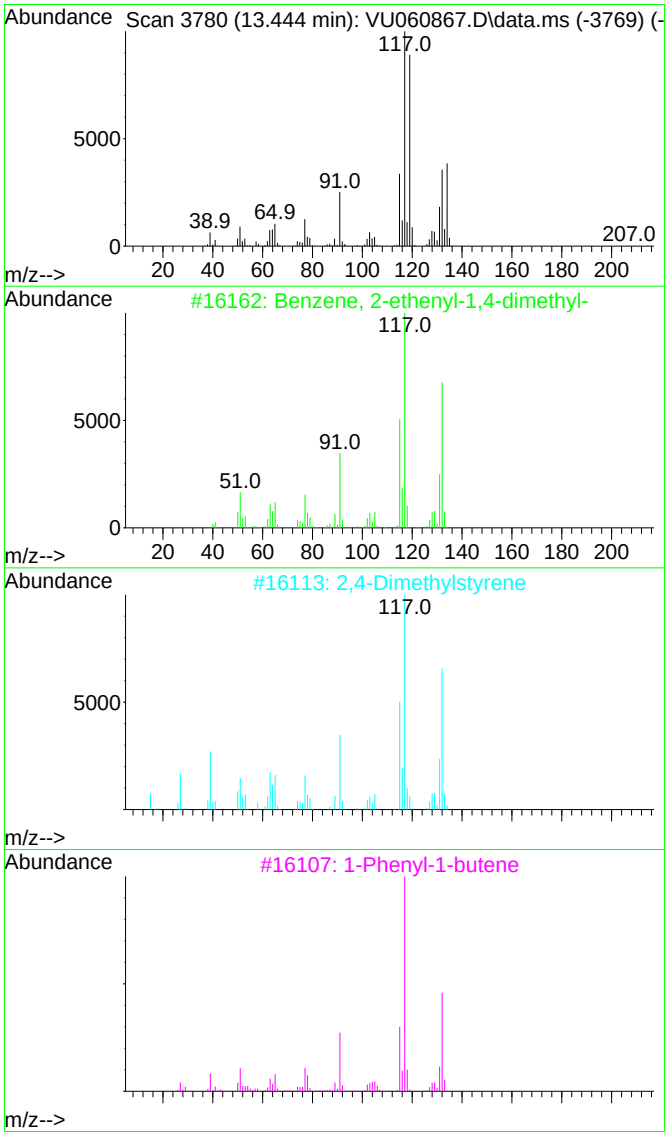
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

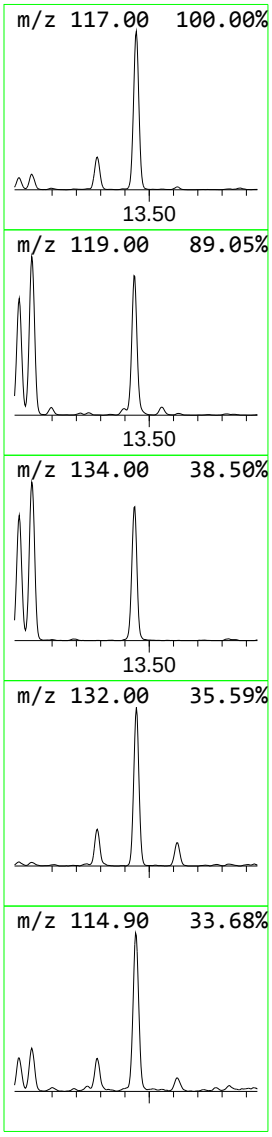
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	21.71 ug/L	1956780	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	93
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

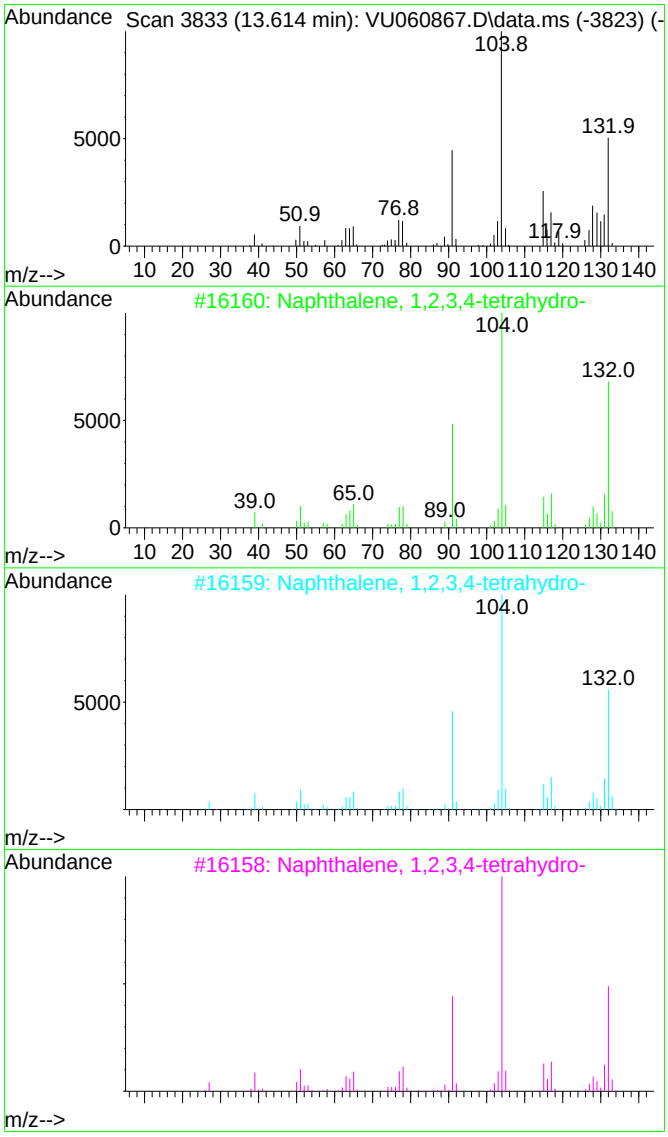
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

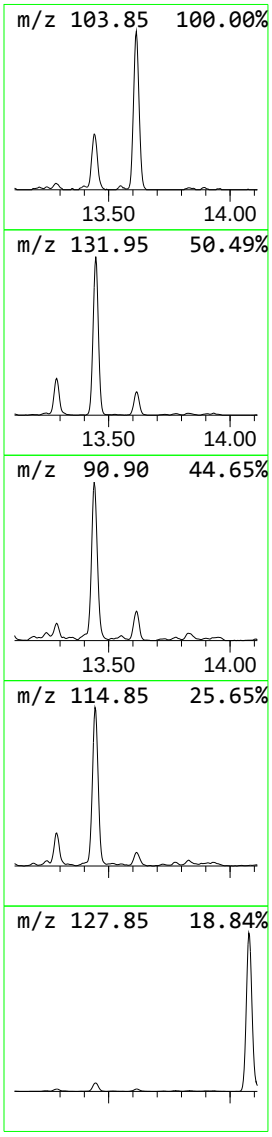
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.614	2.08 ug/L	187462	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89





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Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

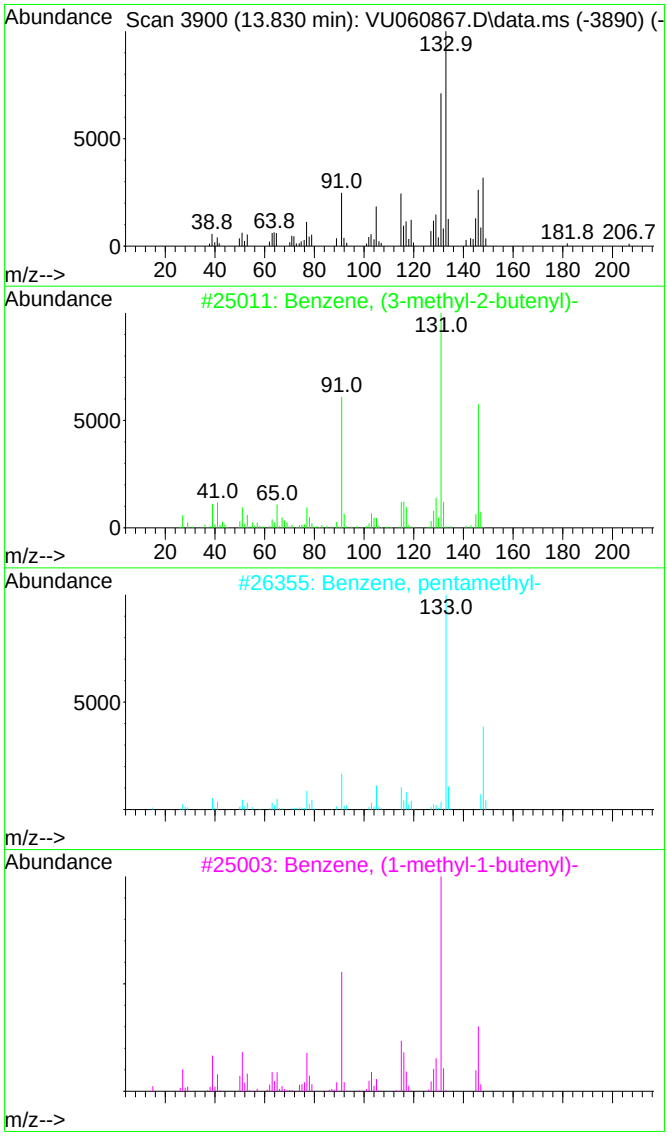
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

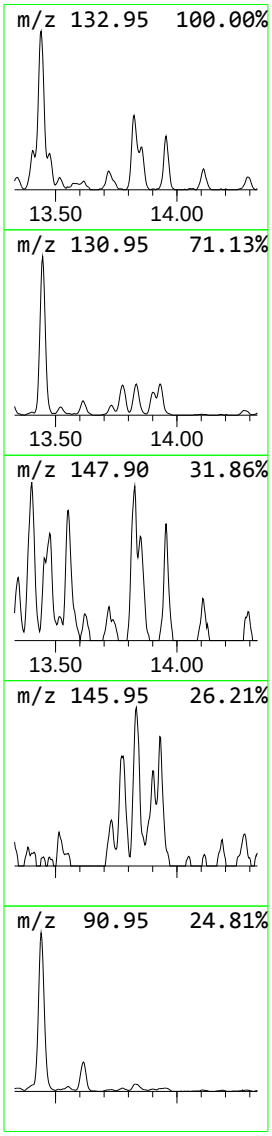
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, (3-methyl-2-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.830	1.17 ug/L	105122	1,4-Dichlorobenzene-d4	11.804

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	80
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	56
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

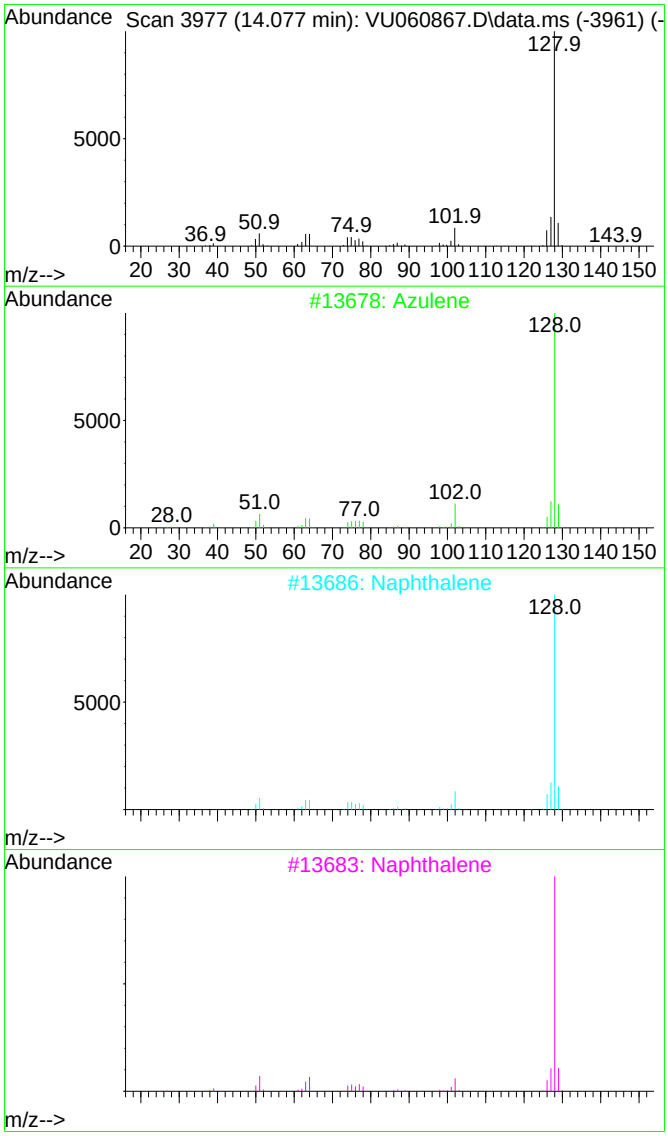
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0

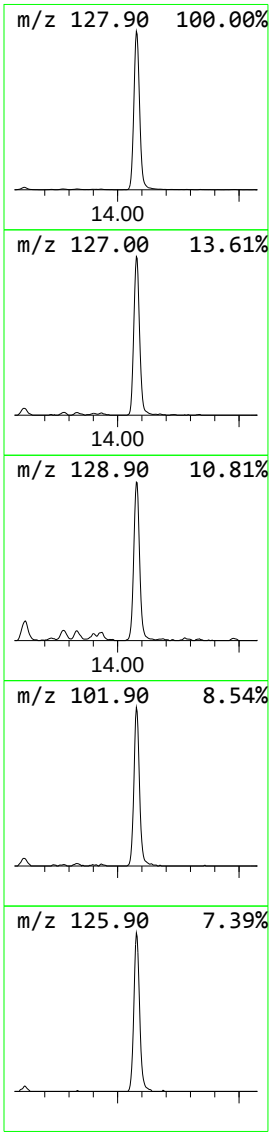
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Azulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.077	10.91 ug/L	982801	1,4-Dichlorobenzene-d4	11.804

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	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091824\
Data File : VU060867.D
Acq On : 18 Sep 2024 14:01
Operator : MD/SY
Sample : P3973-07DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR5DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.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: C...	4.521	3.0	ug/L	206134	1	6.241	341615	5.0
(DEL) Alkane: C...	5.981	0.5	ug/L	35331	1	6.241	341615	5.0
Benzene, propyl-	10.900	2.0	ug/L	182340	3	11.804	450584	5.0
Benzene, 1,2,3-...	11.888	3.6	ug/L	323228	3	11.804	450584	5.0
Indane	12.087	6.7	ug/L	599330	3	11.804	450584	5.0
Benzene, 1,2-di...	12.293	0.9	ug/L	77054	3	11.804	450584	5.0
o-Cymene	12.457	3.7	ug/L	331387	3	11.804	450584	5.0
p-Cymene	12.486	3.4	ug/L	306383	3	11.804	450584	5.0
Benzene, 1-ethy...	12.563	9.7	ug/L	871750	3	11.804	450584	5.0
Benzene, (1-met...	12.601	2.5	ug/L	222351	3	11.804	450584	5.0
Benzene, 1-ethe...	12.675	7.3	ug/L	660472	3	11.804	450584	5.0
Benzene, 4-ethy...	12.865	2.2	ug/L	197448	3	11.804	450584	5.0
Benzene, 1,2,3,...	12.965	9.2	ug/L	828360	3	11.804	450584	5.0
Benzene, 1,2,4,...	13.016	12.0	ug/L	1078240	3	11.804	450584	5.0
Benzene, 1-ethy...	13.100	1.0	ug/L	87369	3	11.804	450584	5.0
1H-Indene, 2,3-...	13.286	2.5	ug/L	226238	3	11.804	450584	5.0
Benzene, 1,3-di...	13.402	0.5	ug/L	48341	3	11.804	450584	5.0
Benzene, 2-ethe...	13.444	21.7	ug/L	1956780	3	11.804	450584	5.0
Naphthalene, 1,...	13.614	2.1	ug/L	187462	3	11.804	450584	5.0
Benzene, (3-met...	13.830	1.2	ug/L	105122	3	11.804	450584	5.0
Azulene	14.077	10.9	ug/L	982801	3	11.804	450584	5.0