LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

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\SFAMUTR122121WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU046582.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.366	3	8	28	rVB2	52583	86268	19.78%	1.961%
2	1.494	38	48	71	rVB	39437	44442	10.19%	1.010%
3	1.604	72	82	98	rVB	55198	66837	15.32%	1.519%
4	1.919	172	180	198	rVB	24590	33365	7.65%	0.758%
5	2.002	198	206	218	rVB	16163	21696	4.97%	0.493%
6	2.211	263	271	281	rVB	7110	10437	2.39%	0.237%
7	2.575	372	384	399	rBV	48975	79101	18.13%	1.798%
8	2.687	399	419	434	rBV6	3758	12029	2.76%	0.273%
9	2.800	445	454	467	rVB	4864	9273	2.13%	0.211%
10	4.539	984	995	1007	rBB3	3377	7209	1.65%	0.164%
11	4.658	1014	1032	1084	rBV2	36779	174259	39.95%	3.961%
12	5.067	1144	1159	1181	rVB	51539	111058	25.46%	2.524%
13	5.729	1345	1365	1375	rBV2	94135	254828	58.42%	5.792%
14	5.777	1376	1380	1398	rVB	34195	58409	13.39%	1.328%
15	6.253	1514	1528	1545	rBV	93193	175703	40.28%	3.994%
16	6.694	1653	1665	1681	rBV	61356	117864	27.02%	2.679%
17	7.568	1926	1937	1953	rBB	29673	51026	11.70%	1.160%
18	7.796	1996	2008	2022	rBV2	11453	21596	4.95%	0.491%
19	7.899	2028	2040	2052	rBV	108959	183042	41.96%	4.160%
20	7.970	2052	2062	2077	rVB	70335	121314	27.81%	2.757%
21	8.182	2118	2128	2141	rBV	19640	32805	7.52%	0.746%
22	8.555	2237	2244	2251	rBB4	3798	5634	1.29%	0.128%
23	8.636	2257	2269	2301	rBV	233938	436209	100.00%	9.915%
24	8.787	2307	2316	2326	rBV4	6653	11211	2.57%	0.255%
25	9.417	2500	2512	2530	rBV	133818	221365	50.75%	5.032%
26	9.571	2549	2560	2576	rBB	22458	37919	8.69%	0.862%
27	9.693	2586	2598	2611	rBV	45056	73948	16.95%	1.681%
28	10.102	2714	2725	2743	rVB2	15148	26655	6.11%	0.606%
29	10.237	2754	2767	2776	rBV3	5465	9705	2.22%	0.221%
30	10.343	2793	2800	2812	rVB3	4420	6594	1.51%	0.150%
31	10.758	2918	2929	2944	rVB2	65676	103678	23.77%	2.357%
32	10.906	2964	2975	2987	rVB	10990	16684	3.82%	0.379%
33	10.999	2990	3004	3010	rBV	30820	54514	12.50%	1.239%
34	11.089	3024	3032	3046	rVB	13966	20561	4.71%	0.467%
35	11.291	3085	3095	3106	rBV2	12069	17452	4.00%	0.397%
36	11.468	3138	3150	3164	rVB	79254	119543	27.40%	2.717%

LSC Area Percent Report

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Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

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\SFAMUTR122121WMA.M
Title : TRACE VOA SFAM1.0

37	11.687	3209	3218	3228	rVB5	16308	23843	5.47%	0.542%
38	11.742	3228	3235	3243	rVV2	4518	5856	1.34%	0.133%
39	11.812	3243	3257	3272	rVB	149255	237642	54.48%	5.401%
40	11.896	3272	3283	3294	rVB	25763	38504	8.83%	0.875%
41	12.060	3322	3334	3338	rBV2	11318	16008	3.67%	0.364%
42	12.095	3338	3345	3350	rVV2	26682	43708	10.02%	0.993%
43	12.127	3351	3355	3364	rVV	21674	27503	6.31%	0.625%
44	12.192	3364	3375	3391	rVB2	161628	272221	62.41%	6.187%
45	12.375	3423	3432	3442	rVB	8081	12328	2.83%	0.280%
46	12.465	3447	3460	3465	rBV	17656	26948	6.18%	0.613%
47	12.494	3465	3469	3479	rVV	17864	25980	5.96%	0.591%
48	12.571	3479	3493	3501	rVV	36050	53084	12.17%	1.207%
49	12.613	3501	3506	3517	rVB3	6216	8519	1.95%	0.194%
50	12.680	3518	3527	3547	rBV3	15360	30760	7.05%	0.699%
51	12.770	3548	3555	3564	rBV7	3424	5490	1.26%	0.125%
52	12.886	3578	3591	3603	rBV2	72471	114782	26.31%	2.609%
53	12.973	3603	3618	3626	rBV	33486	50948	11.68%	1.158%
54	13.028	3626	3635	3649	rVB2	49984	76958	17.64%	1.749%
55	13.105	3649	3659	3665	rBV5	4206	7304	1.67%	0.166%
56	13.291	3707	3717	3727	rVB2	32461	51593	11.83%	1.173%
57	13.356	3727	3737	3743	rVB5	3772	5803	1.33%	0.132%
58	13.407	3746	3753	3758	rBV3	4794	7877	1.81%	0.179%
59	13.455	3758	3768	3783	rVB3	57566	100858	23.12%	2.292%
60	13.561	3794	3801	3810	rVB2	5590	7908	1.81%	0.180%
61	13.626	3810	3821	3830	rVB2	17262	27594	6.33%	0.627%
62	13.735	3848	3855	3863	rBV4	4467	6086	1.40%	0.138%
63	13.783	3863	3870	3878	rBV2	8672	12929	2.96%	0.294%
64	13.835	3878	3886	3892	rBV5	12974	21847	5.01%	0.497%
65	13.947	3913	3921	3924	rBV3	6204	9804	2.25%	0.223%
66	13.979	3928	3931	3940	rVB4	10337	12467	2.86%	0.283%
67	14.085	3951	3964	3981	rBV	47403	77160	17.69%	1.754%
68	14.192	3989	3997	4007	rVB6	4580	6649	1.52%	0.151%
69	14.285	4015	4026	4038	rBV4	6581	11490	2.63%	0.261%
70	14.346	4038	4045	4054	rVB3	3354	4926	1.13%	0.112%
71	14.484	4078	4088	4097	rBV2	8425	11497	2.64%	0.261%
72	14.687	4135	4151	4160	rVB4	11684	24304	5.57%	0.552%
73	14.809	4180	4189	4199	rBV2	4995	7000	1.60%	0.159%
74	14.880	4199	4211	4219	rBV3	5255	8503	1.95%	0.193%
75	15.018	4246	4254	4263	rVB5	4760	7393	1.69%	0.168%
76	15.224	4302	4318	4327	rBV	26565	45980	10.54%	1.045%

LSC Area Percent Report

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Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

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\SFAMUTR122121WMA.M
Title : TRACE VOA SFAM1.0

77	15.410	4365	4376	4388	rBV2	10431	17290	3.96%	0.393%

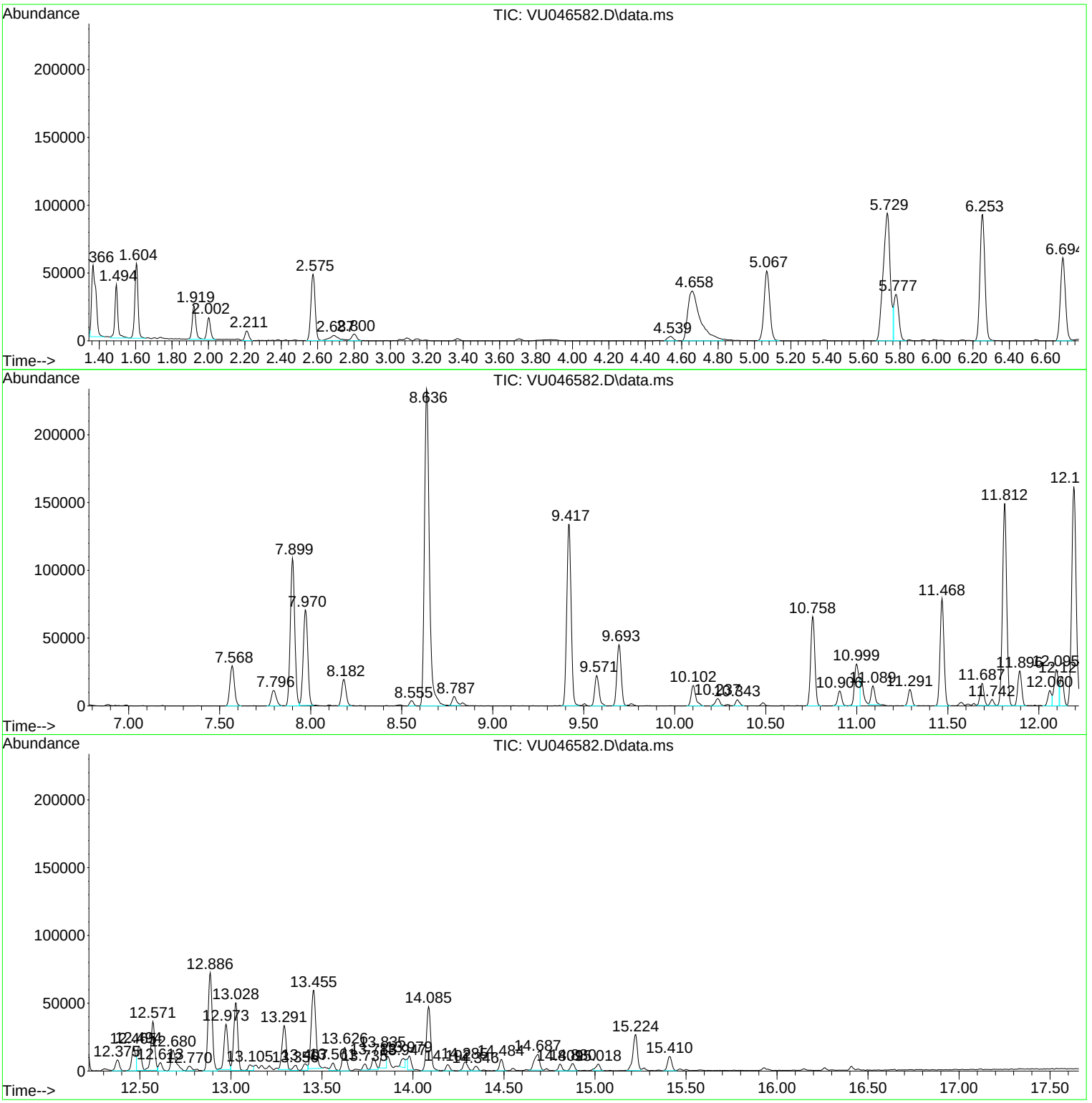
Sum of corrected areas: 4399577

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.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\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

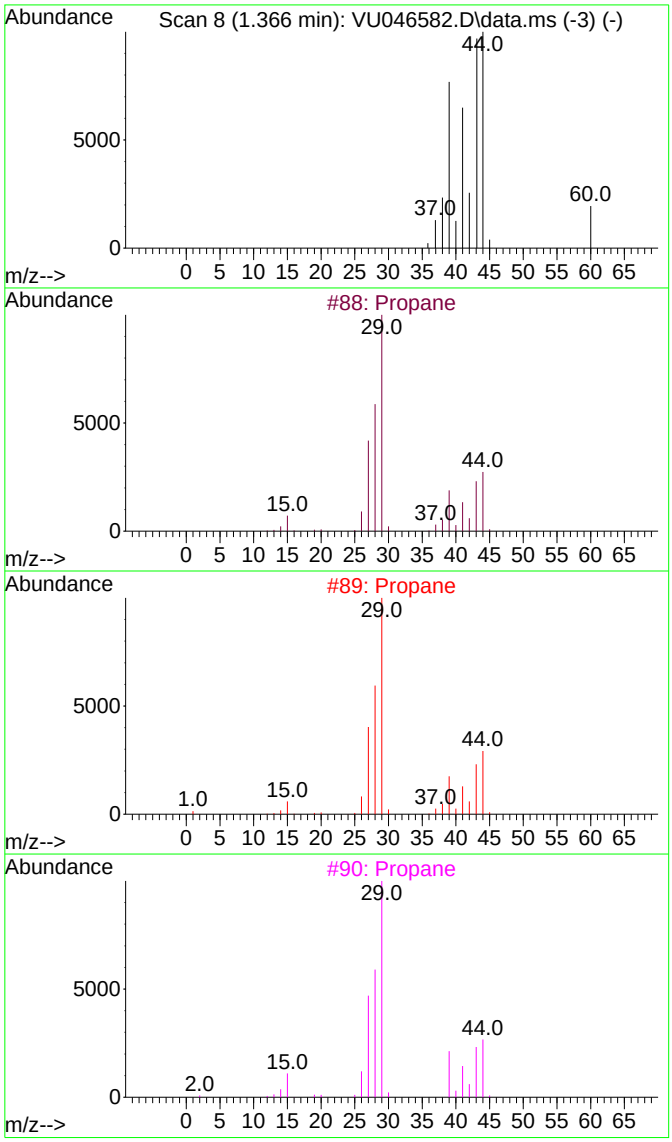
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

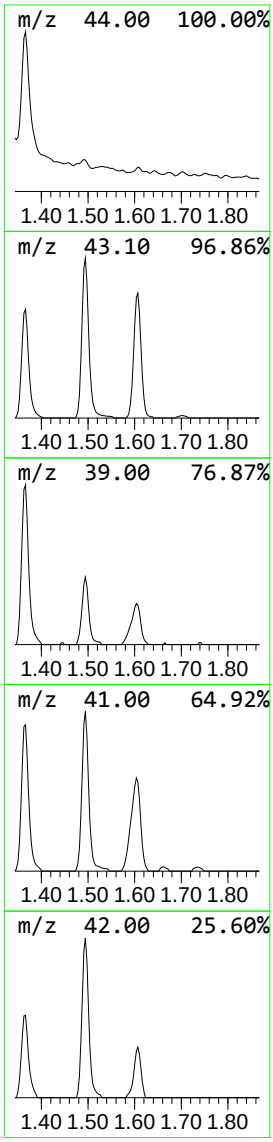
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.366	2.45 ug/L	86268	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	90
2	Propane	44	C3H8	000074-98-6	83
3	Propane	44	C3H8	000074-98-6	9
4	Propene	42	C3H6	000115-07-1	9
5	2-Isopropoxyethylamine	103	C5H13NO	081731-43-3	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

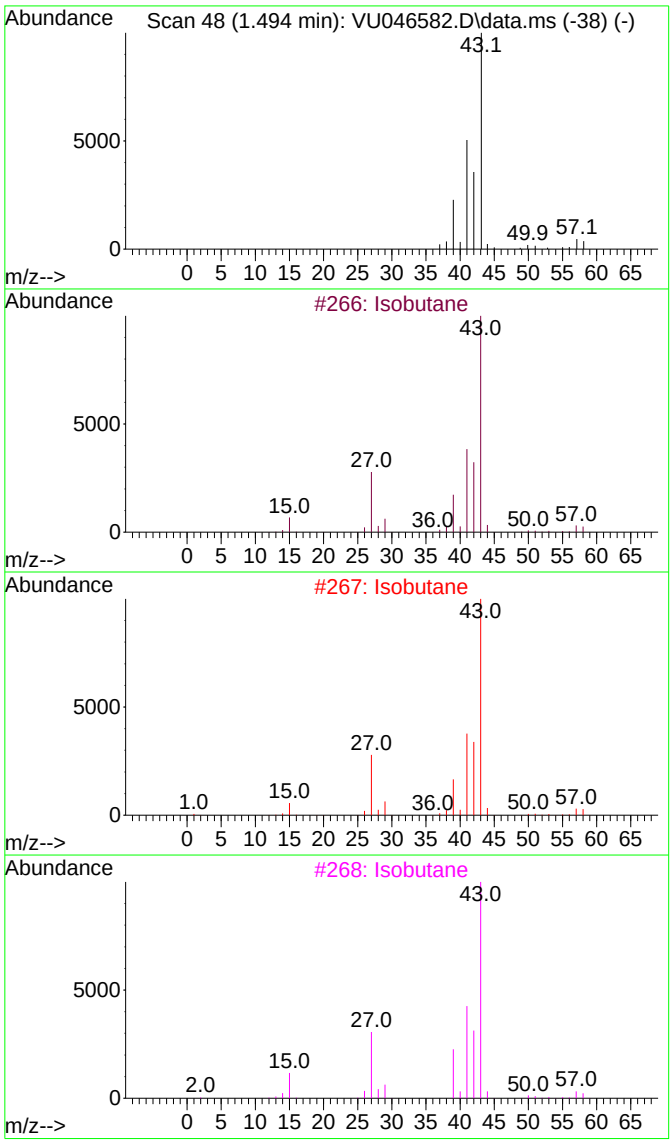
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

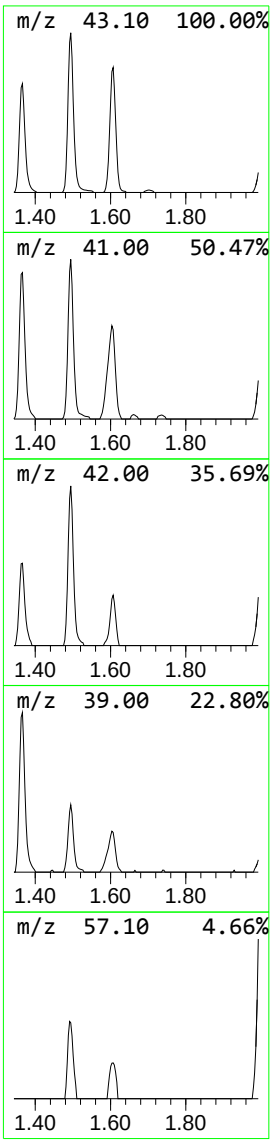
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.494	1.26 ug/L	44442	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	64
5	Isobutane	58	C4H10	000075-28-5	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

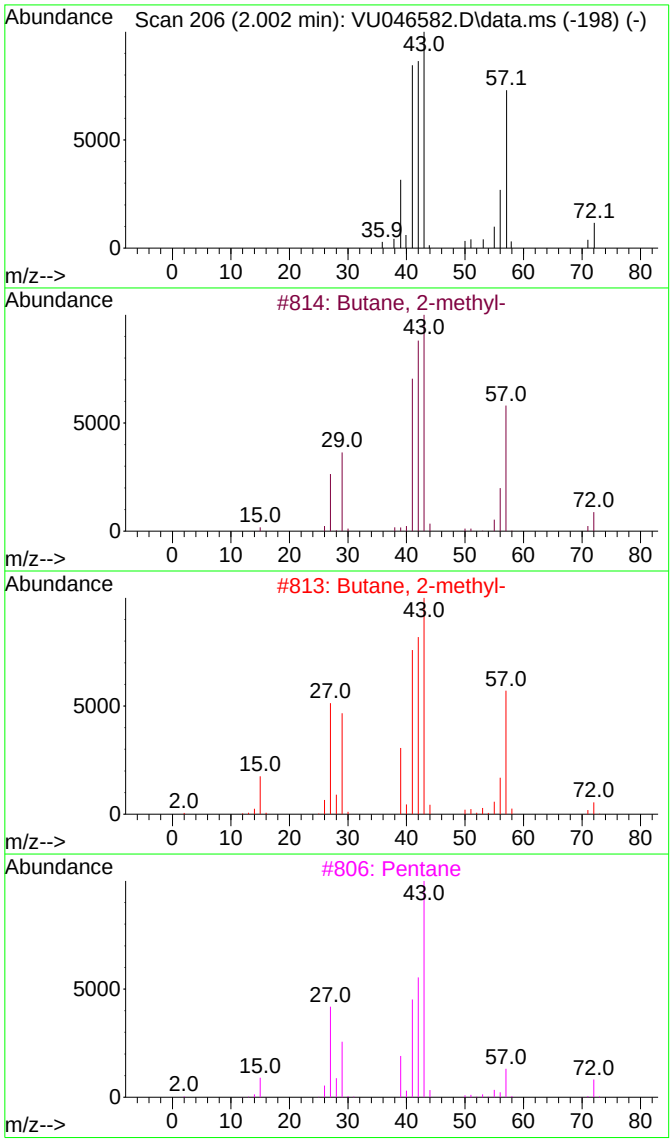
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

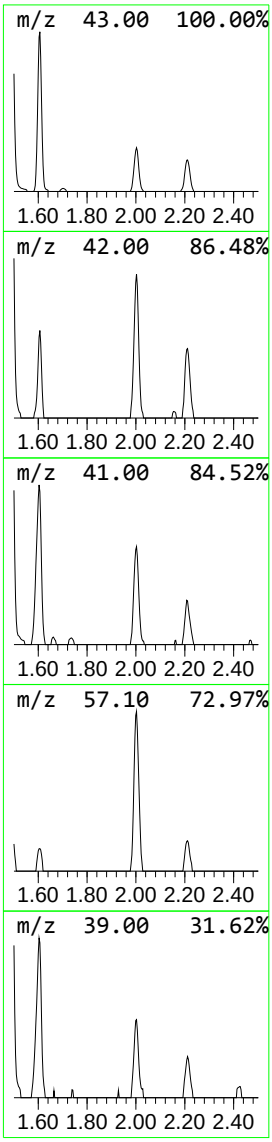
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.002	0.62 ug/L	21696	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	80
3	Pentane	72	C5H12	000109-66-0	36
4	1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	28
5	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	27





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Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
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Instrument :
MSVOA_U
ClientSampleId :
H0AO2

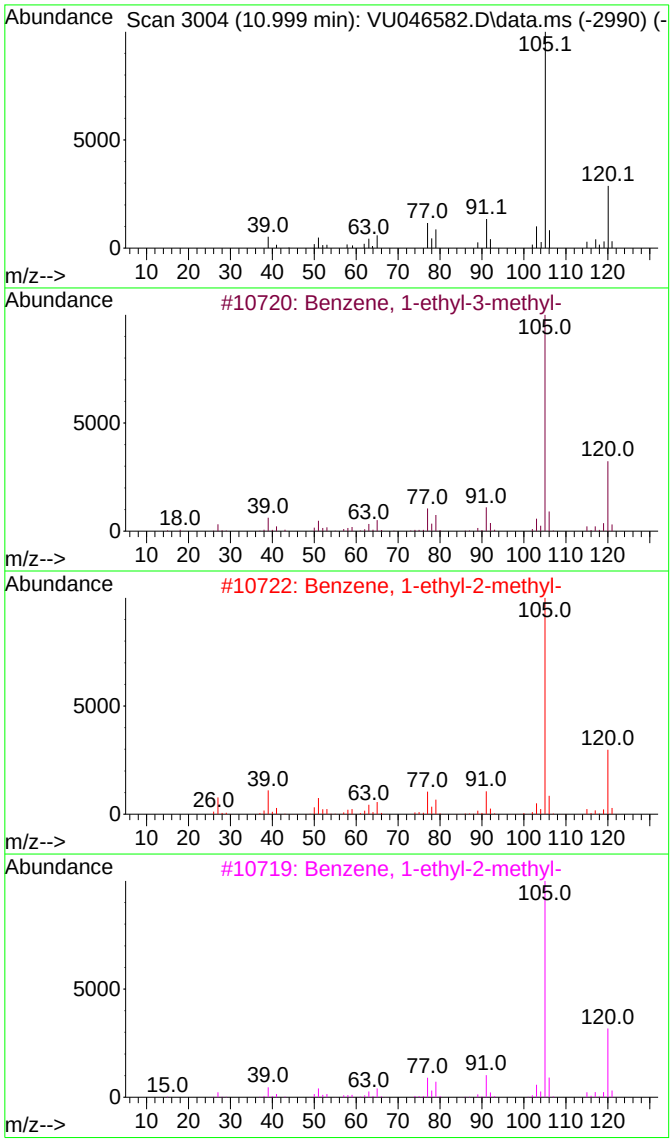
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

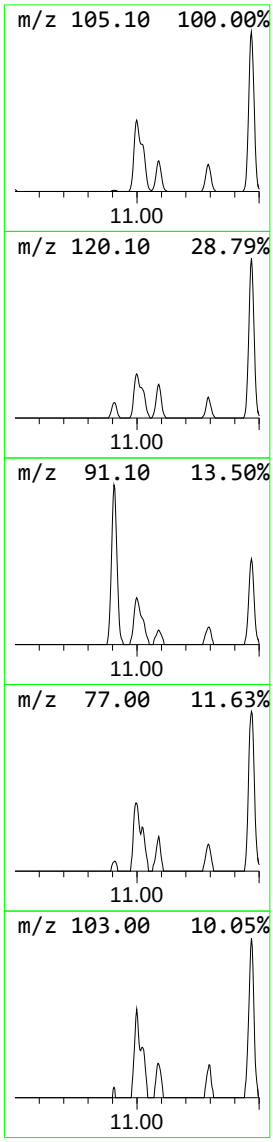
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.999	1.15 ug/L	54514	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

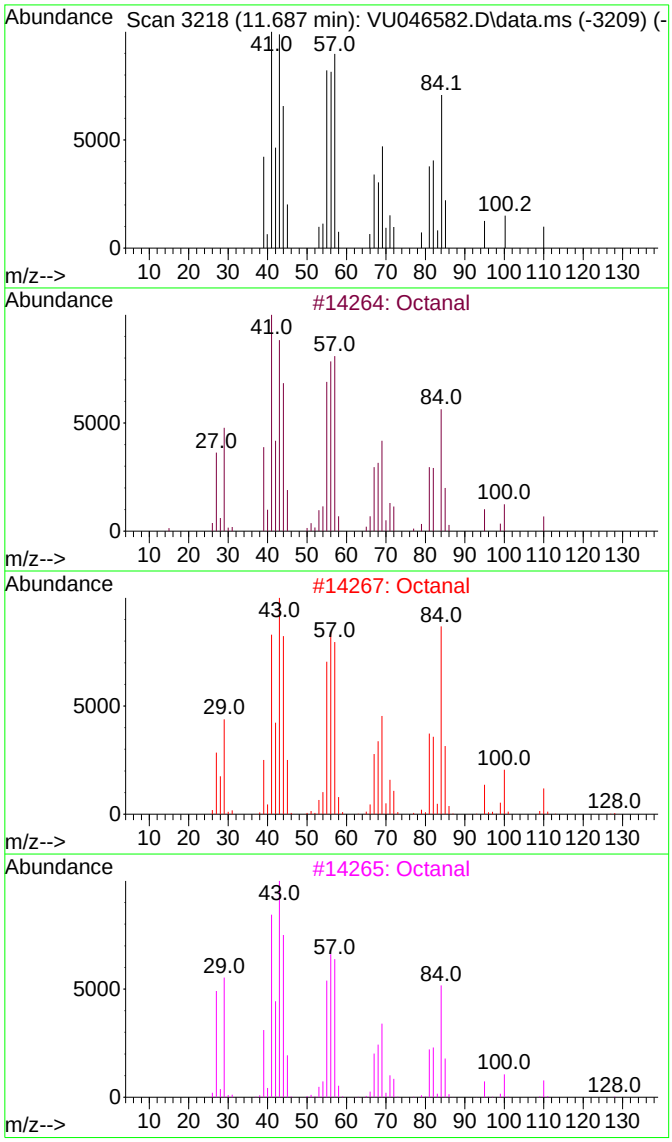
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

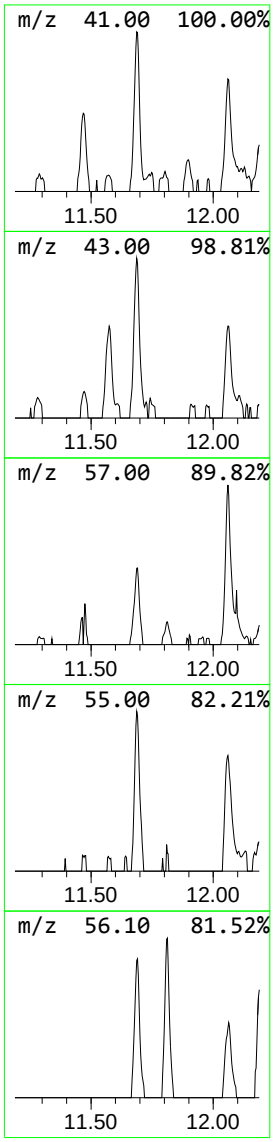
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Octanal Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.687	0.50 ug/L	23843	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	87
2	Octanal	128	C8H16O	000124-13-0	80
3	Octanal	128	C8H16O	000124-13-0	78
4	Octanal	128	C8H16O	000124-13-0	59
5	1,2-Cyclopentanediol, trans-	102	C5H10O2	005057-99-8	47





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Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

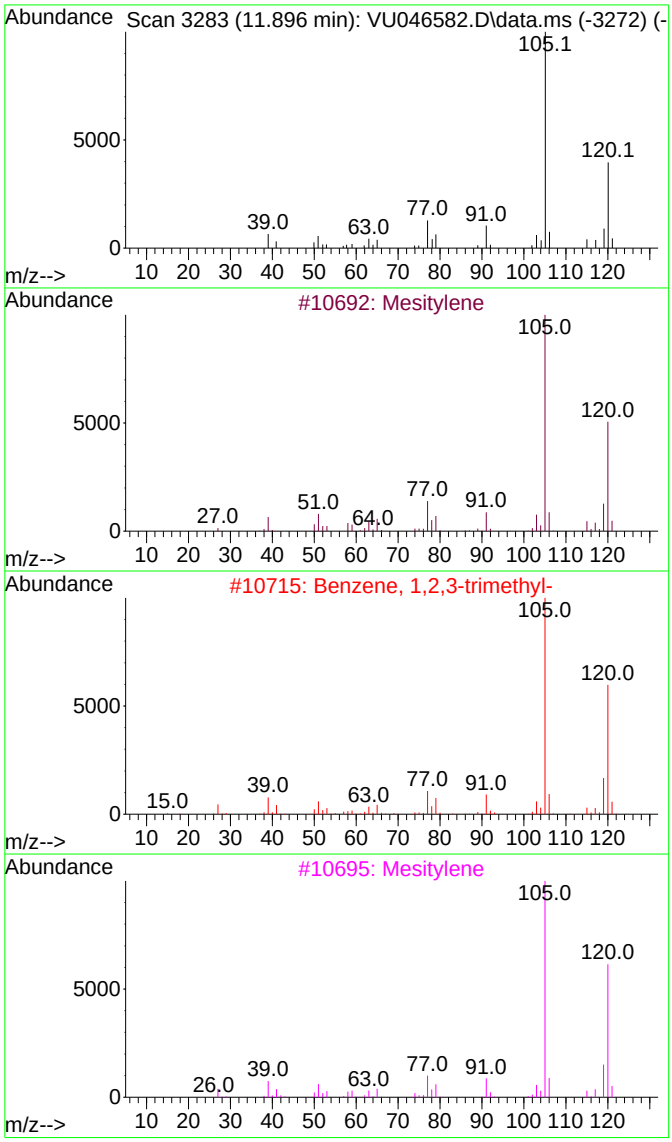
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

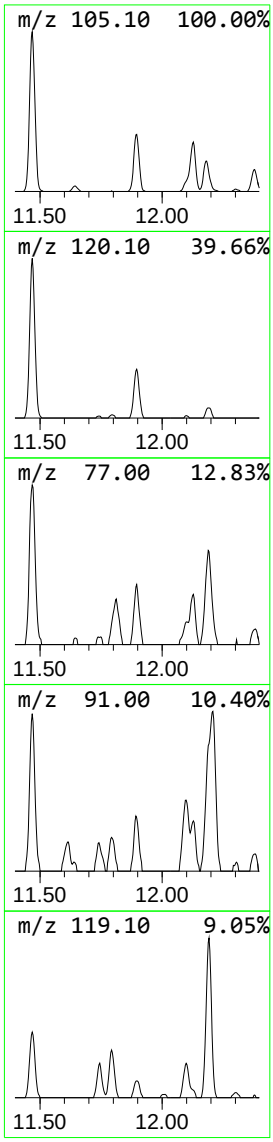
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.896	0.81 ug/L	38504	1,4-Dichlorobenzene-d4	11.812

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	94
3	Mesitylene	120	C9H12	000108-67-8	93
4	Mesitylene	120	C9H12	000108-67-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

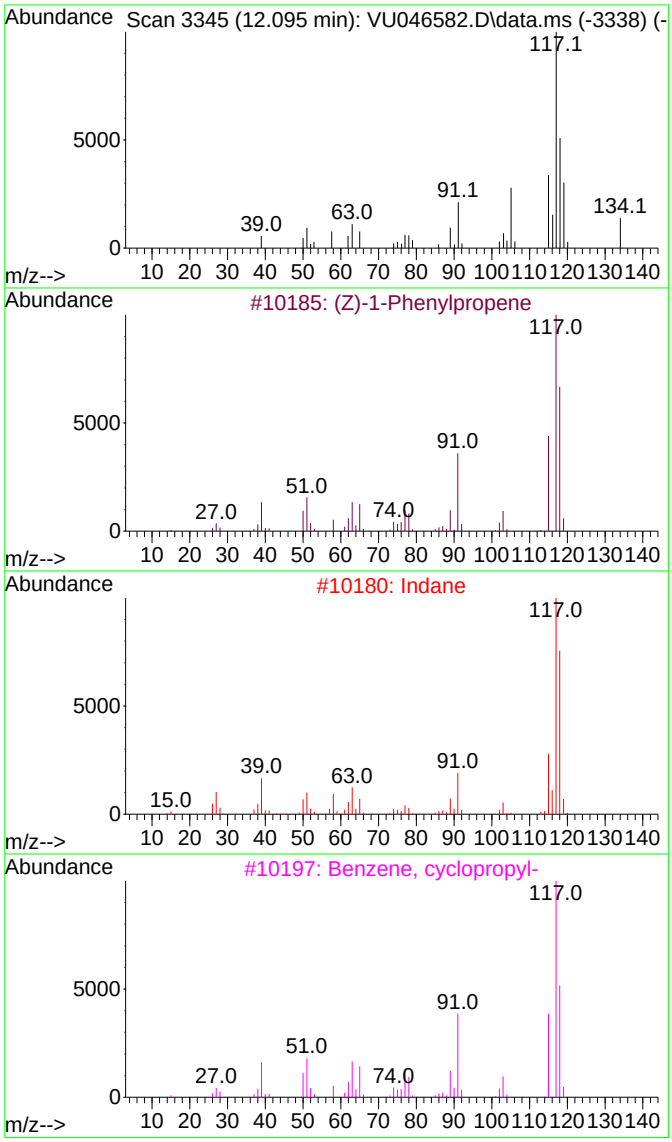
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

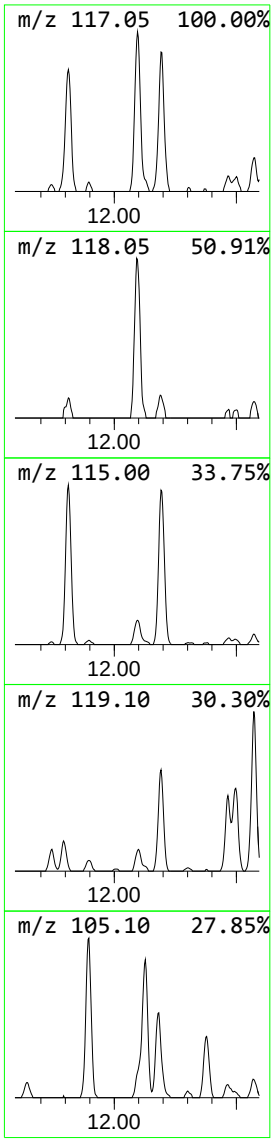
****

Peak Number 8 (Z)-1-Phenylpropene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.095	0.92 ug/L	43708	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	78
2	Indane	118	C9H10	000496-11-7	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
4	Indane	118	C9H10	000496-11-7	58
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

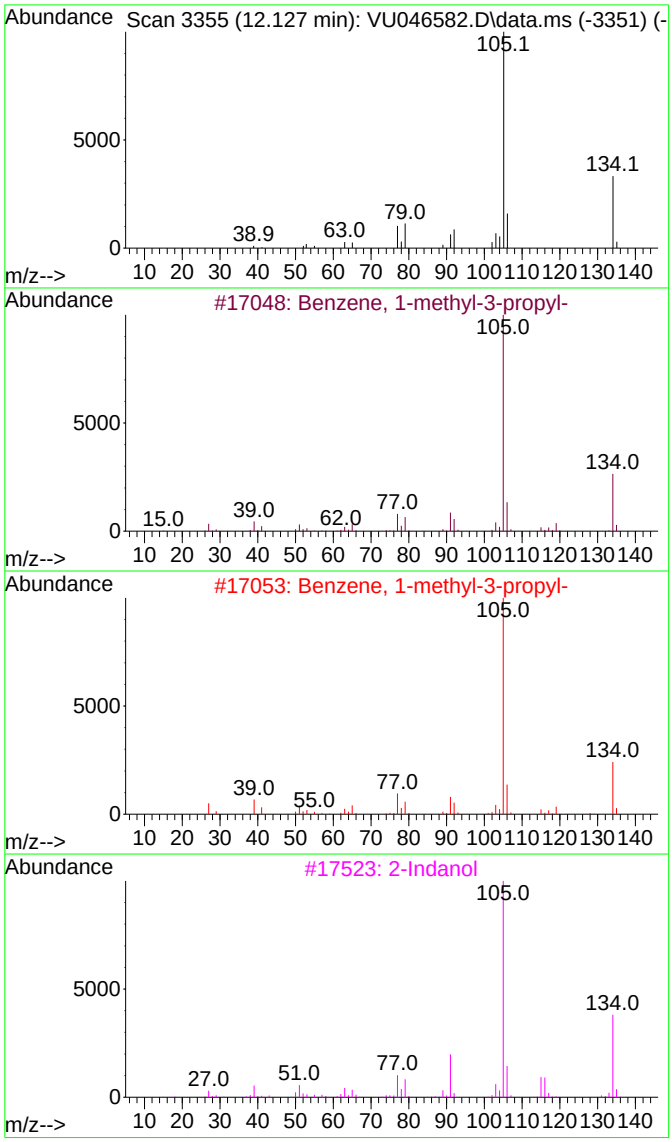
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

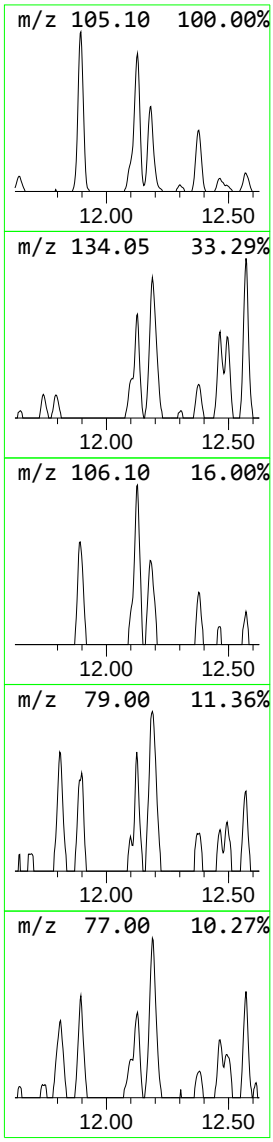
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-methyl-3-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	0.58 ug/L	27503	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
3	2-Indanol	134	C9H10O	004254-29-9	90
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

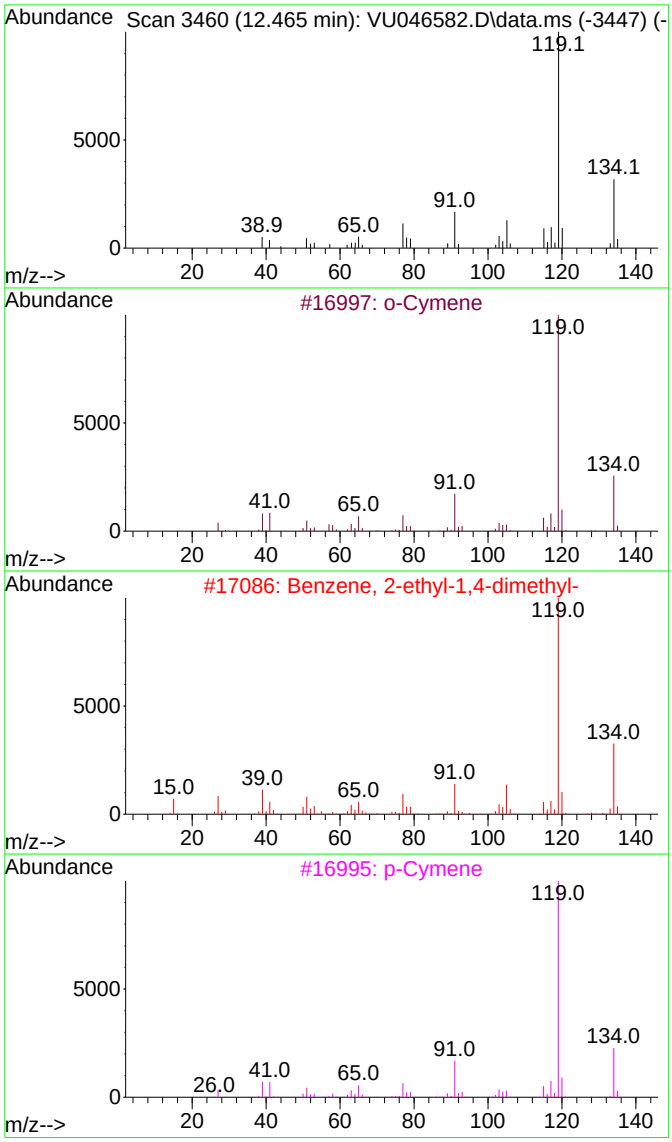
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

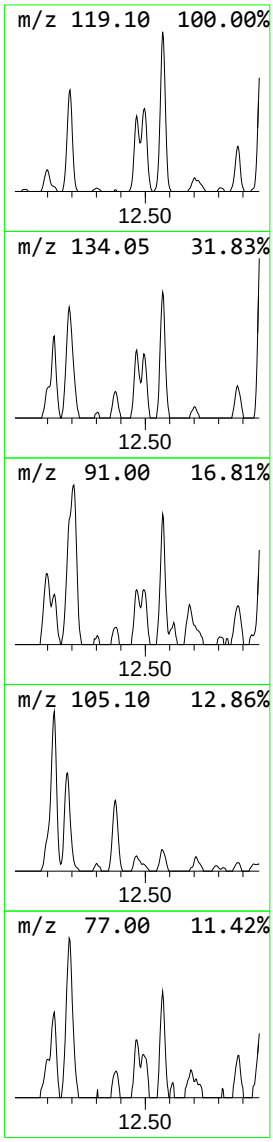
****

Peak Number 10 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.465	0.57 ug/L	26948	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
3	p-Cymene	134	C10H14	000099-87-6	97
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





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Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

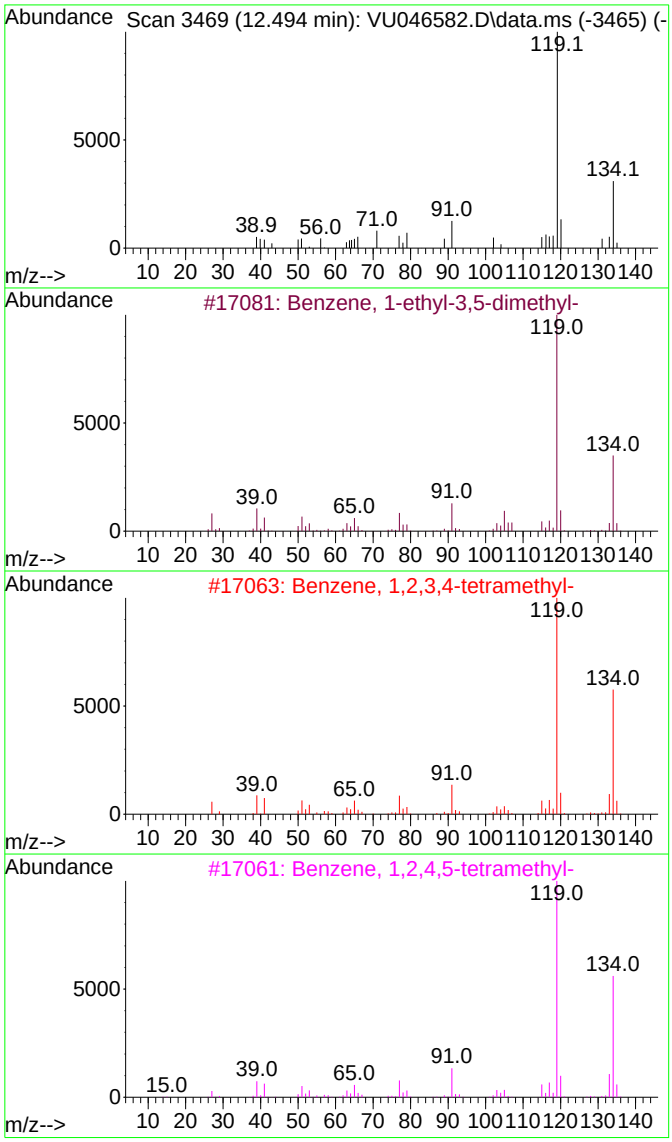
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

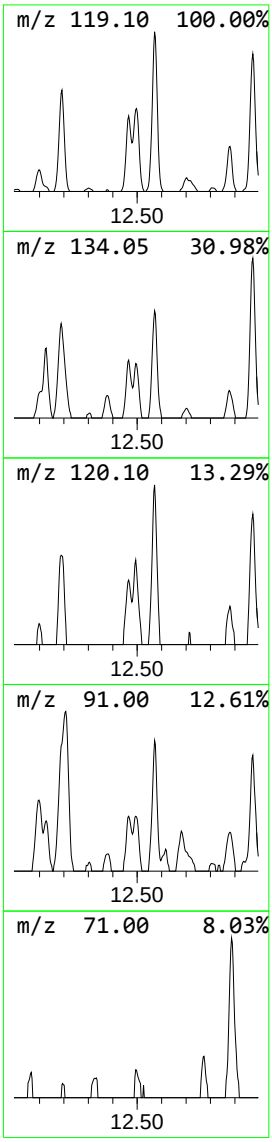
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.494	0.55 ug/L	25980	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	86
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	86
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

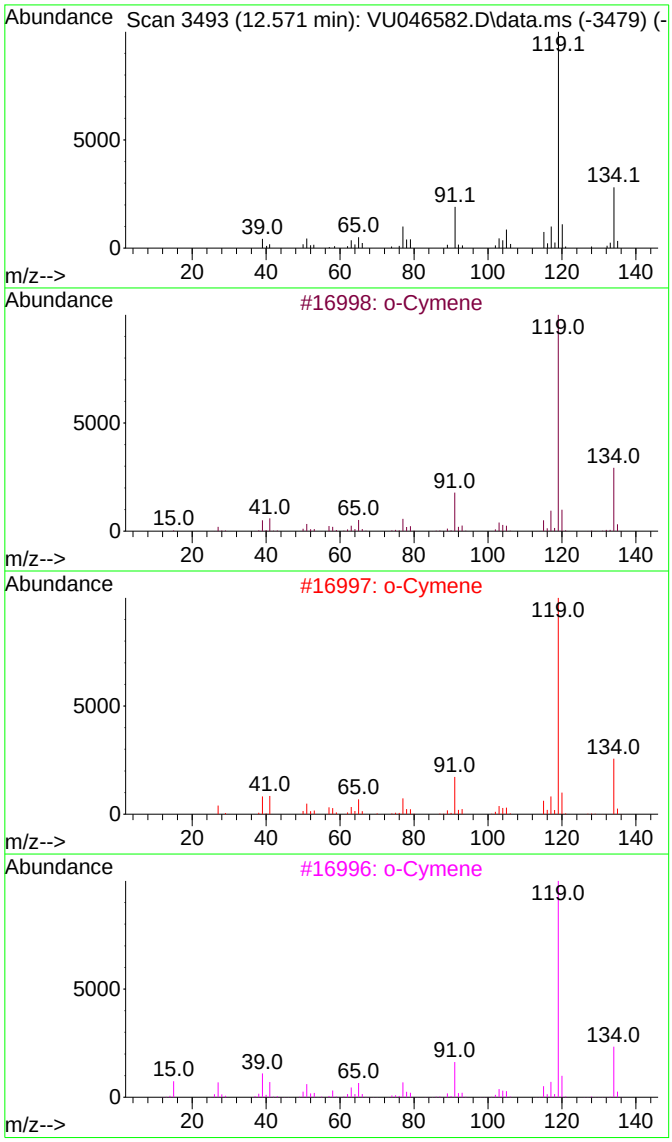
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

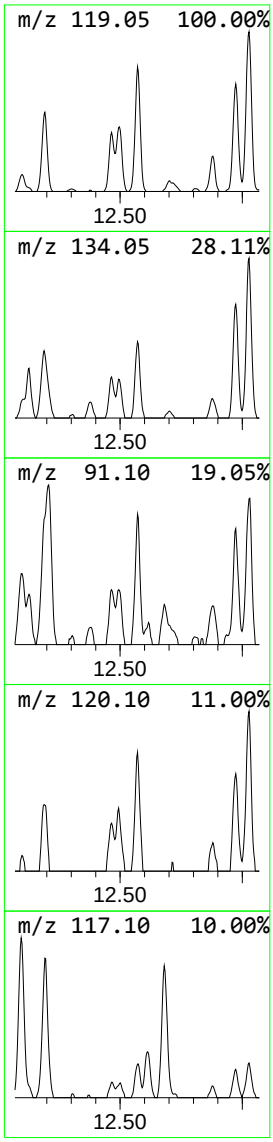
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.571	1.12 ug/L	53084	1,4-Dichlorobenzene-d4	11.812

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, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

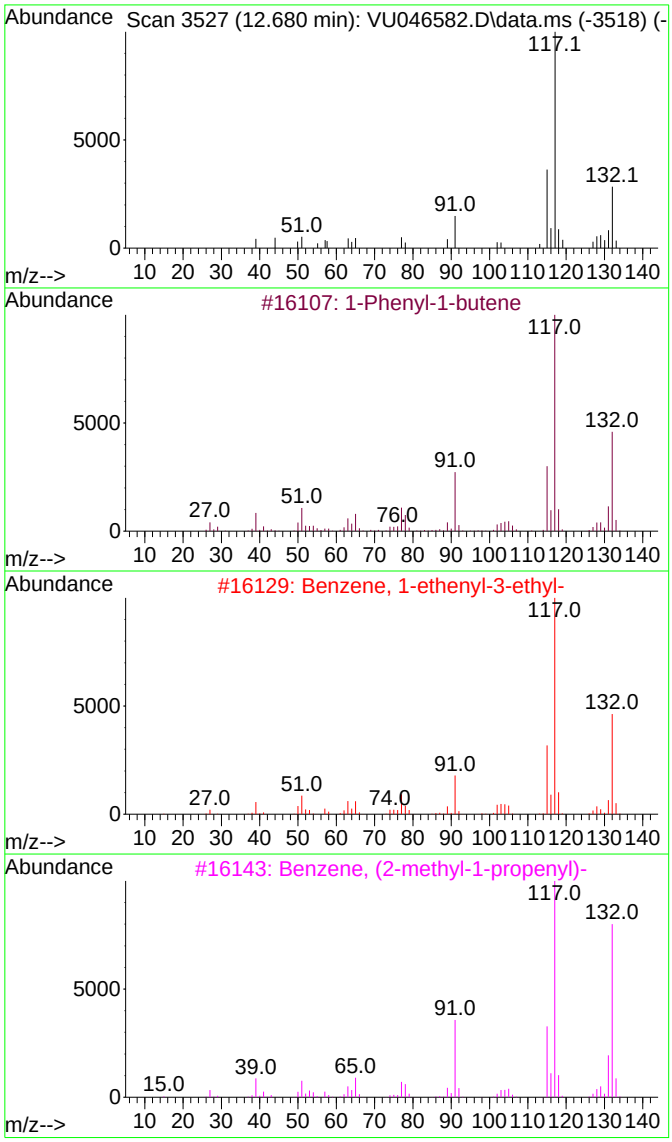
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

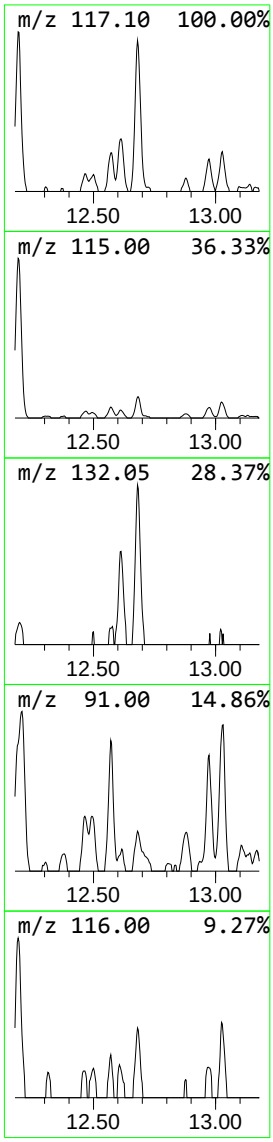
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1-Phenyl-1-butene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.680	0.65 ug/L	30760	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	78
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	78
5	Indan, 1-methyl-	132	C10H12	000767-58-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

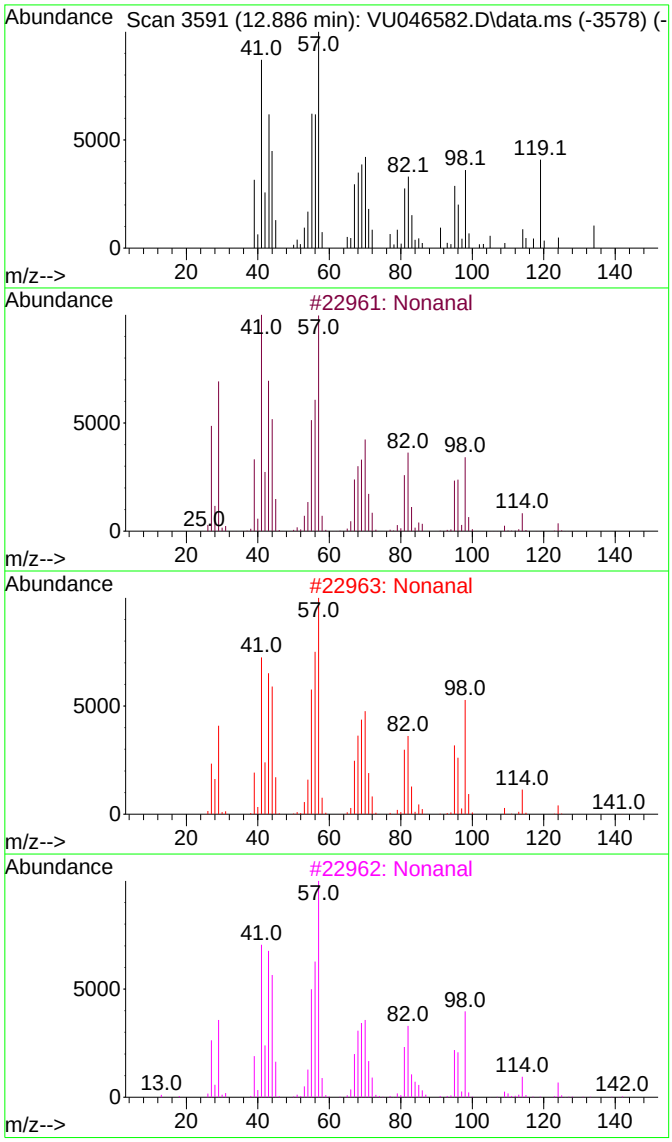
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

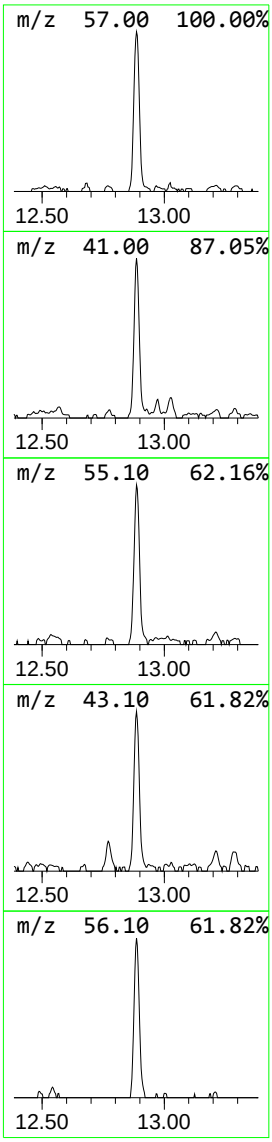
****

Peak Number 14 Nonanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.886	2.42 ug/L	114782	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	81
2	Nonanal	142	C9H18O	000124-19-6	74
3	Nonanal	142	C9H18O	000124-19-6	64
4	Nonanal	142	C9H18O	000124-19-6	59
5	Cycloheptane	98	C7H14	000291-64-5	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

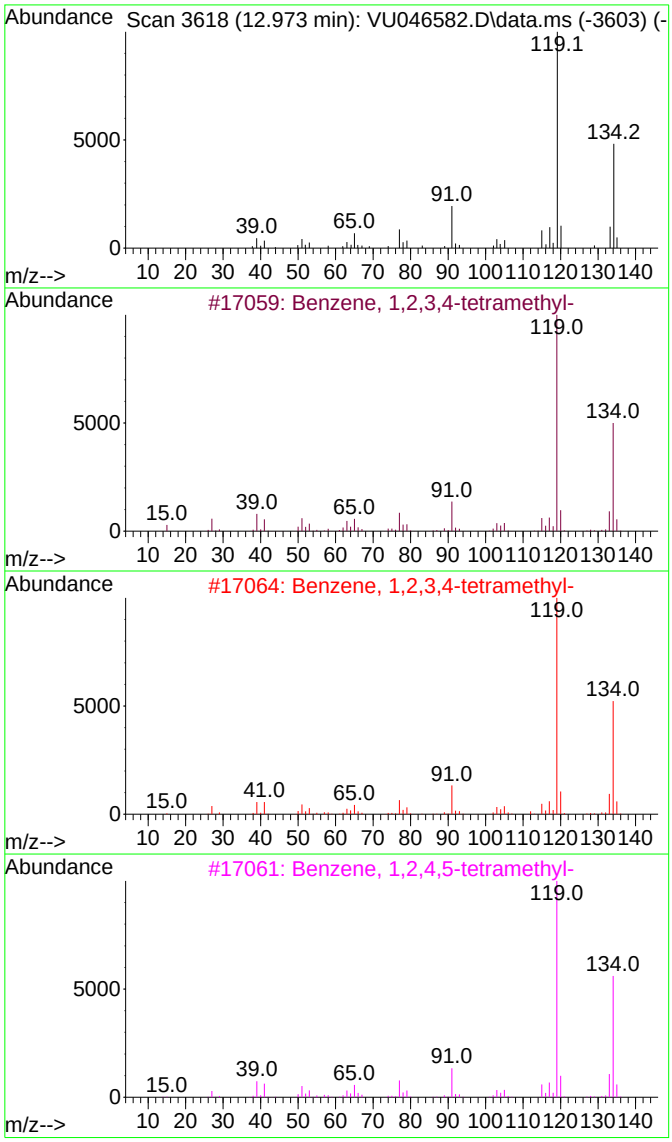
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

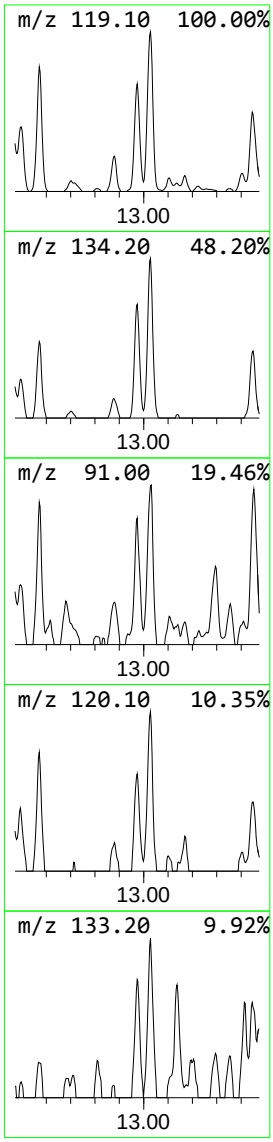
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.973	1.07 ug/L	50948	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





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Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

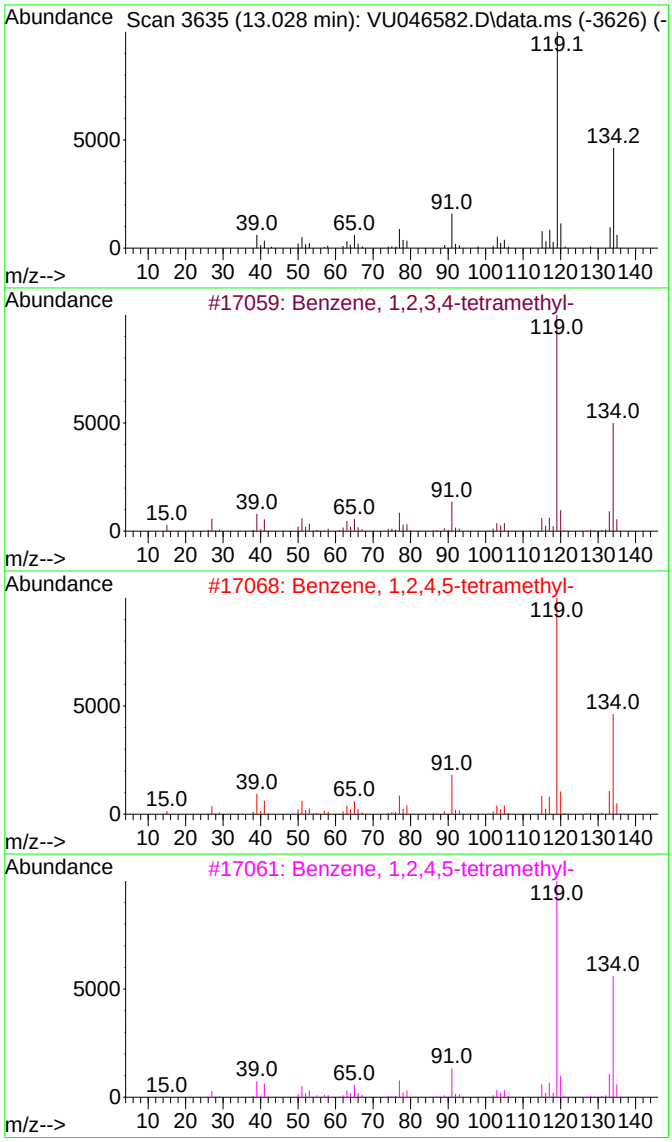
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

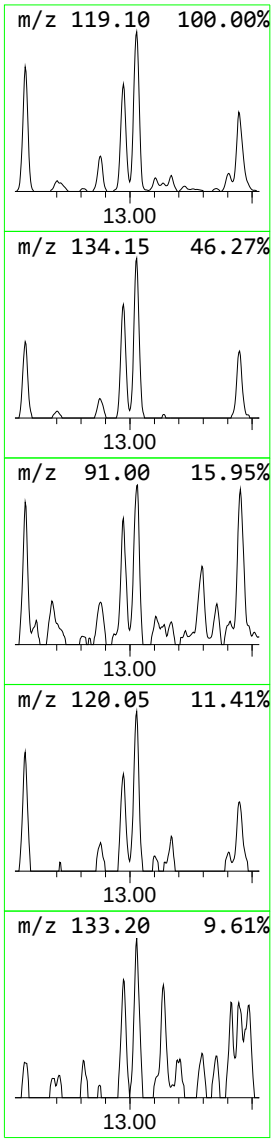
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.028	1.62 ug/L	76958	1,4-Dichlorobenzene-d4	11.812

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

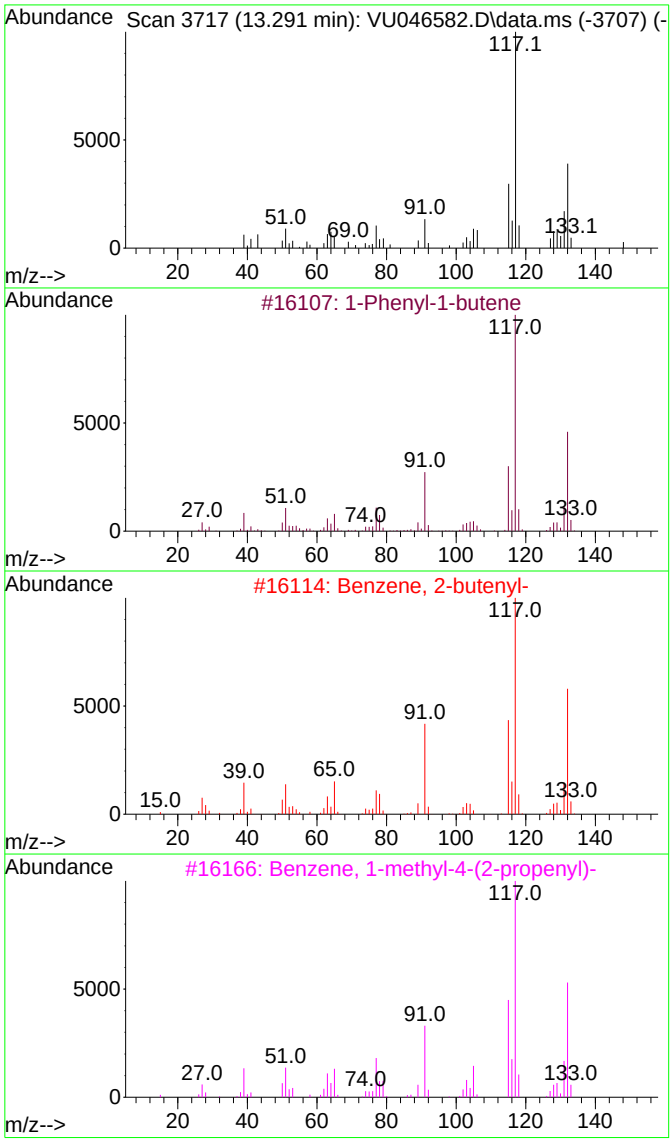
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

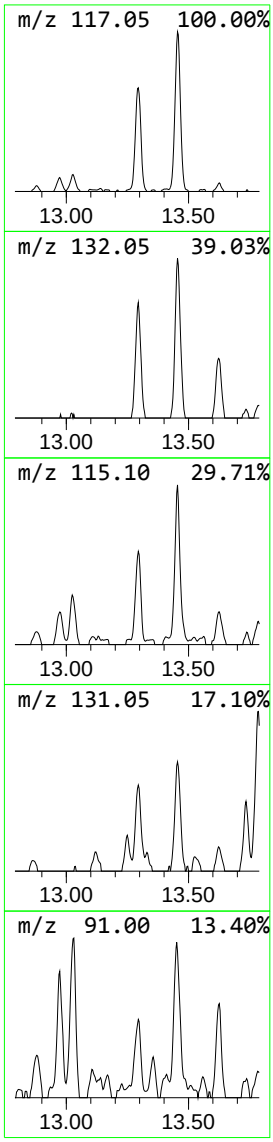
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 2-butenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.291	1.09 ug/L	51593	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	95
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

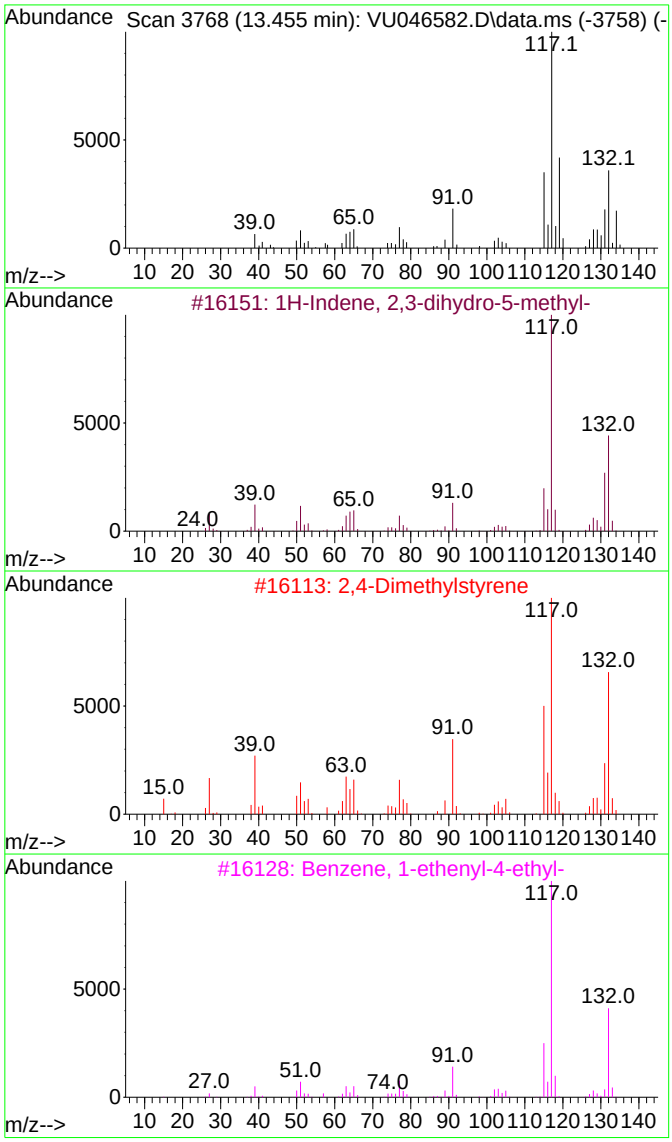
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

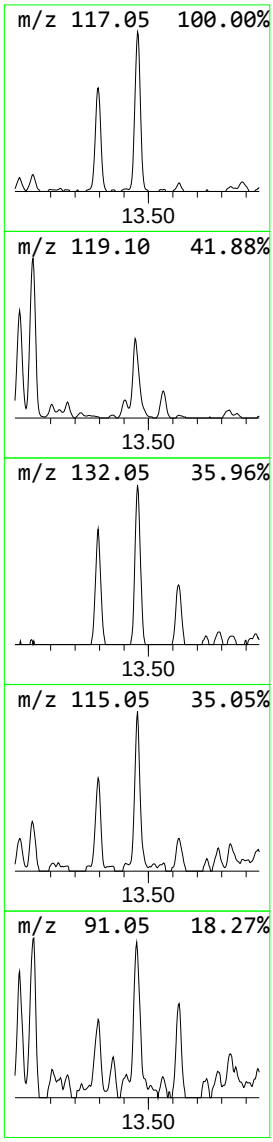
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.455	2.12 ug/L	100858	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	70
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

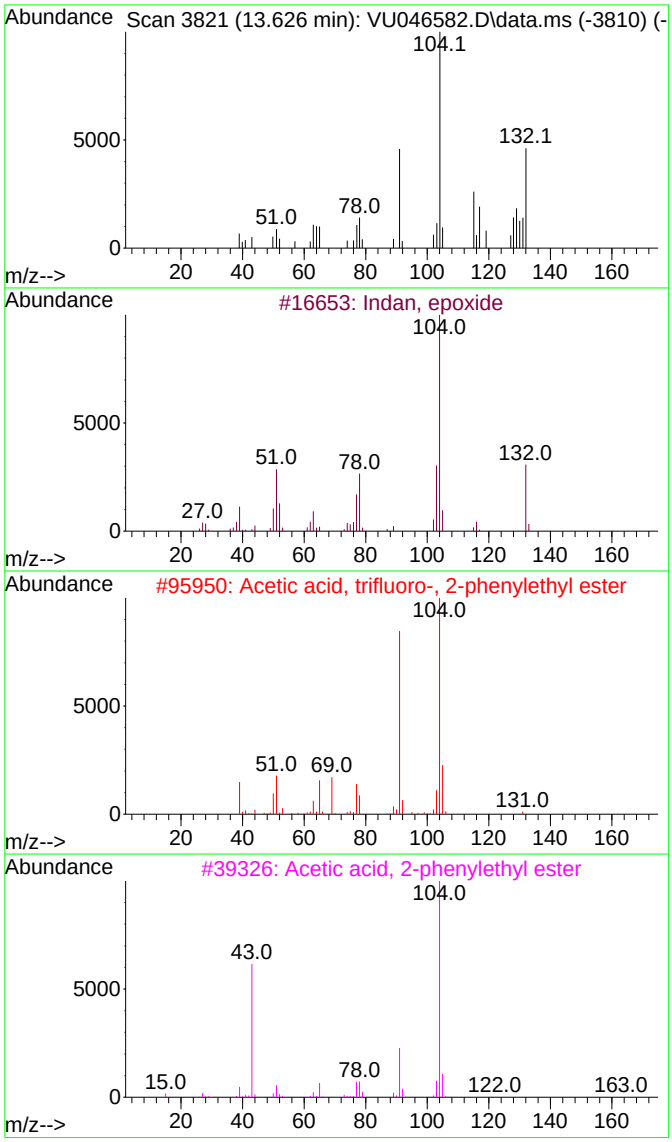
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

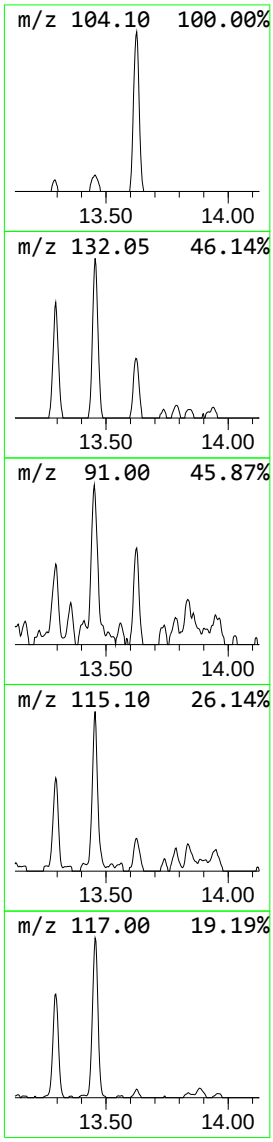
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Indan, epoxide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.626	0.58 ug/L	27594	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, epoxide	132	C9H8O	000768-22-9	55
2	Acetic acid, trifluoro-, 2-pheny...	218	C10H9F3O2	055419-66-4	27
3	Acetic acid, 2-phenylethyl ester	164	C10H12O2	000103-45-7	27
4	3(2H)-Furanone, dihydro-2,2-dime...	190	C12H14O2	063678-00-2	27
5	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	27





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Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

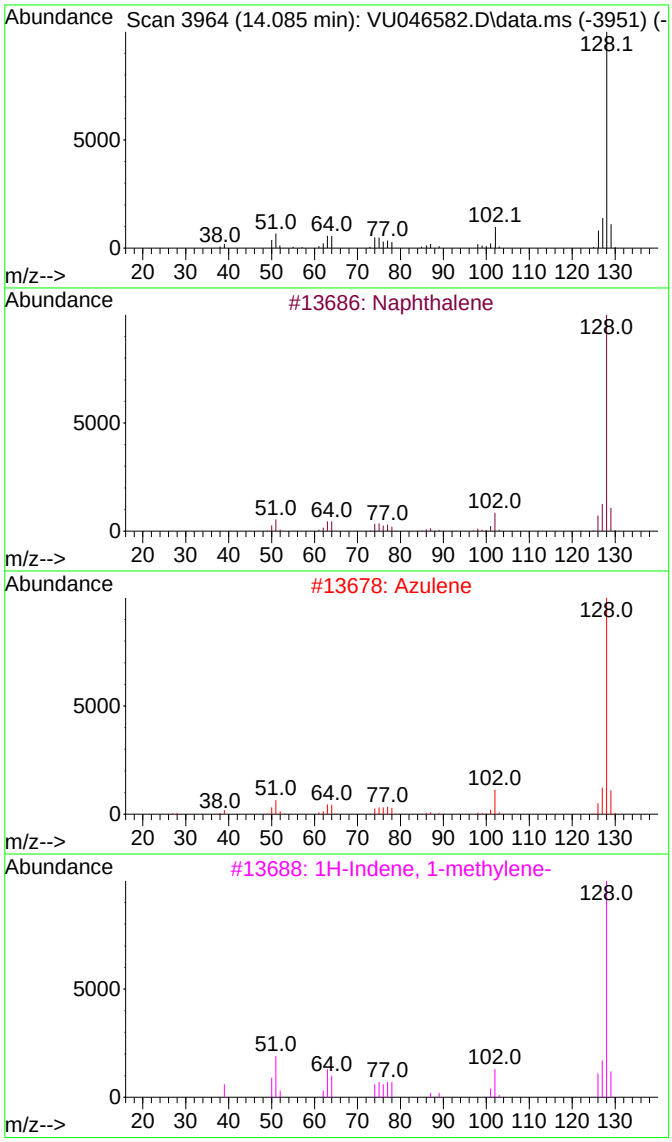
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

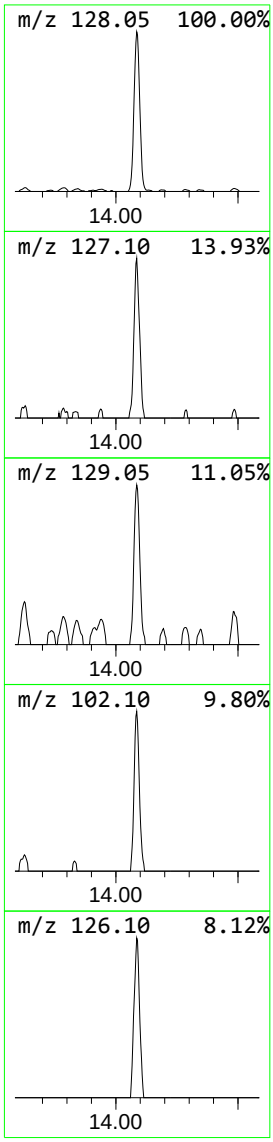
****

Peak Number 20 Azulene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.086	1.62 ug/L	77160	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	94
3	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	94
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

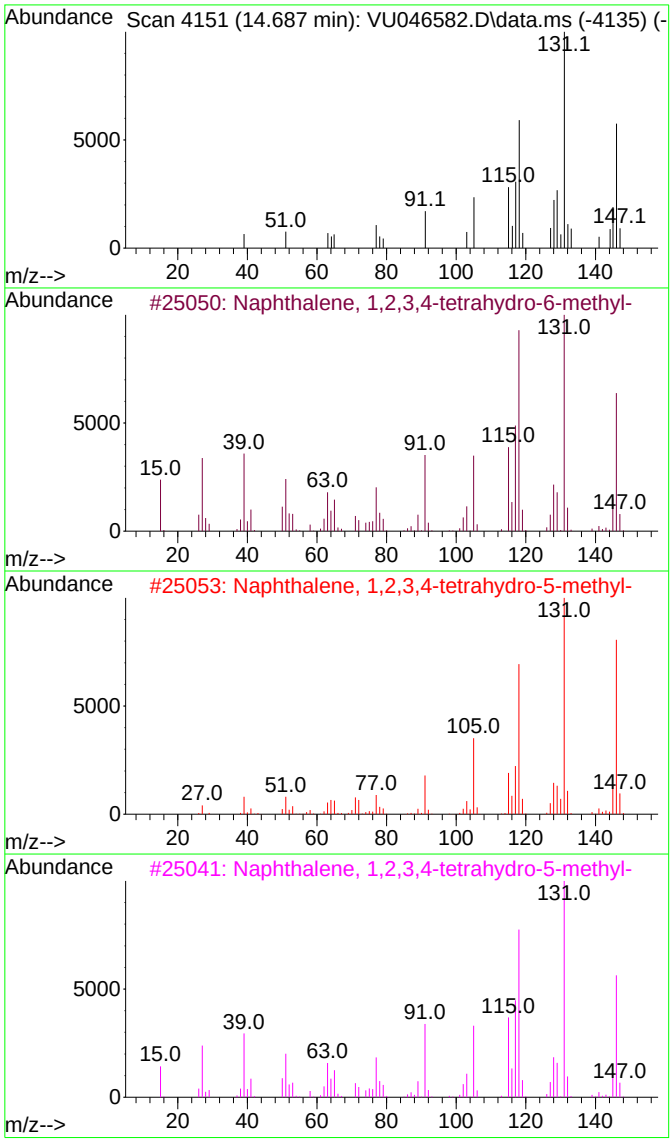
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

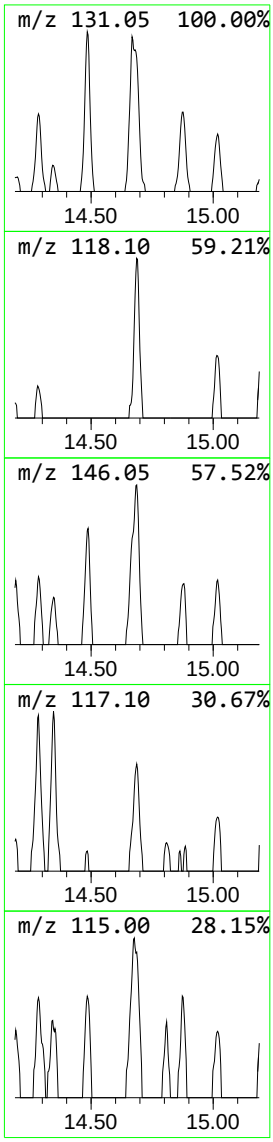
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.687	0.51 ug/L	24304	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	81
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

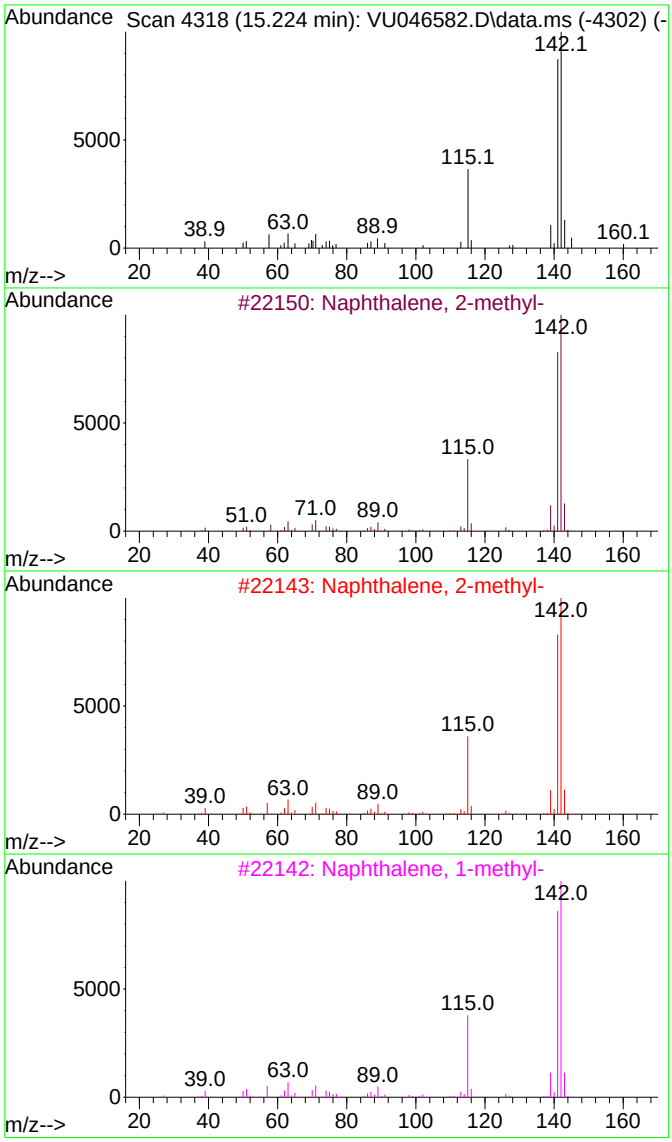
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

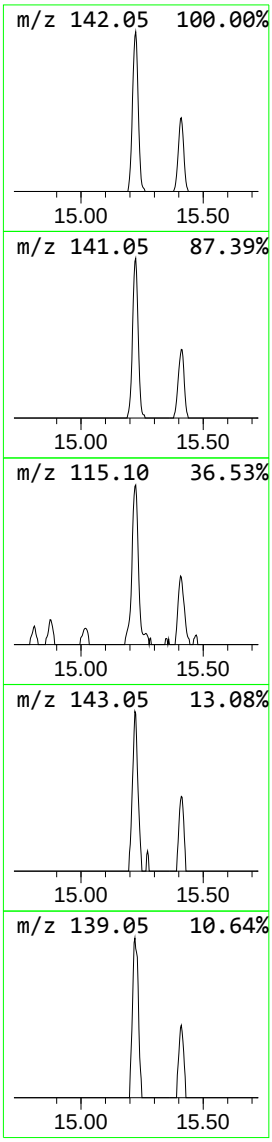
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Naphthalene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.224	0.97 ug/L	45980	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046582.D
Acq On : 23 Dec 2021 21:49
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.366	2.5	ug/L	86268	1	6.253	175703	5.0
(DEL) Alkane: S...	1.494	1.3	ug/L	44442	1	6.253	175703	5.0
(DEL) Alkane: S...	2.002	0.6	ug/L	21696	1	6.253	175703	5.0
Benzene, 1-ethy...	10.999	1.1	ug/L	54514	3	11.812	237642	5.0
Octanal	11.687	0.5	ug/L	23843	3	11.812	237642	5.0
Benzene, 1,2,3-...	11.896	0.8	ug/L	38504	3	11.812	237642	5.0
(Z)-1-Phenylpro...	12.095	0.9	ug/L	43708	3	11.812	237642	5.0
Benzene, 1-meth...	12.127	0.6	ug/L	27503	3	11.812	237642	5.0
o-Cymene	12.465	0.6	ug/L	26948	3	11.812	237642	5.0
Benzene, 1-ethy...	12.494	0.6	ug/L	25980	3	11.812	237642	5.0
Benzene, 1-meth...	12.571	1.1	ug/L	53084	3	11.812	237642	5.0
1-Phenyl-1-butene	12.680	0.7	ug/L	30760	3	11.812	237642	5.0
Nonanal	12.886	2.4	ug/L	114782	3	11.812	237642	5.0
Benzene, 1,2,3,...	12.973	1.1	ug/L	50948	3	11.812	237642	5.0
Benzene, 1,2,4,...	13.028	1.6	ug/L	76958	3	11.812	237642	5.0
Benzene, 2-bute...	13.291	1.1	ug/L	51593	3	11.812	237642	5.0
1H-Indene, 2,3-...	13.455	2.1	ug/L	100858	3	11.812	237642	5.0
Indan, epoxide	13.626	0.6	ug/L	27594	3	11.812	237642	5.0
Azulene	14.086	1.6	ug/L	77160	3	11.812	237642	5.0
Naphthalene, 1,...	14.687	0.5	ug/L	24304	3	11.812	237642	5.0
Naphthalene, 2-...	15.224	1.0	ug/L	45980	3	11.812	237642	5.0