LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

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: VU046583.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	27	rVB2	64514	104429	23.28%	2.127%
2	1.494	38	48	69	rVB	49931	55818	12.44%	1.137%
3	1.604	72	82	96	rVB	63771	77080	17.18%	1.570%
4	1.919	172	180	196	rBV	25069	32982	7.35%	0.672%
5	2.002	197	206	218	rVB	19059	26242	5.85%	0.534%
6	2.211	262	271	282	rBV	9378	13943	3.11%	0.284%
7	2.575	373	384	397	rBV	50976	82499	18.39%	1.680%
8	2.690	412	420	436	rVB6	3666	7189	1.60%	0.146%
9	2.800	445	454	466	rVB2	6093	10519	2.34%	0.214%
10	4.536	983	994	1006	rBB5	4201	9474	2.11%	0.193%
11	4.655	1014	1031	1070	rBV	38545	174722	38.95%	3.558%
12	5.067	1144	1159	1184	rBB	52434	114497	25.52%	2.332%
13	5.729	1344	1365	1374	rBV2	97605	260041	57.97%	5.296%
14	5.777	1375	1380	1396	rVB2	42605	78308	17.46%	1.595%
15	6.253	1514	1528	1546	rBV	99396	185883	41.44%	3.786%
16	6.693	1652	1665	1681	rBV	62437	121332	27.05%	2.471%
17	7.568	1926	1937	1956	rBB2	31420	54317	12.11%	1.106%
18	7.796	1997	2008	2021	rBV2	12705	22667	5.05%	0.462%
19	7.899	2028	2040	2052	rBV	114260	194765	43.42%	3.967%
20	7.970	2052	2062	2077	rVB	90956	152667	34.03%	3.109%
21	8.179	2118	2127	2140	rBV	20837	33926	7.56%	0.691%
22	8.555	2235	2244	2251	rBB5	4344	6308	1.41%	0.128%
23	8.639	2257	2270	2299	rBV	243981	448603	100.00%	9.136%
24	8.790	2308	2317	2327	rBV4	7473	13652	3.04%	0.278%
25	9.417	2500	2512	2528	rBV	141881	233403	52.03%	4.753%
26	9.571	2550	2560	2578	rBB	29132	46294	10.32%	0.943%
27	9.693	2587	2598	2611	rBV	55471	90919	20.27%	1.852%
28	10.102	2713	2725	2743	rVB2	19052	32578	7.26%	0.663%
29	10.237	2753	2767	2777	rBV4	6364	12021	2.68%	0.245%
30	10.343	2792	2800	2814	rVB3	5618	9159	2.04%	0.187%
31	10.758	2916	2929	2944	rBB	67597	107685	24.00%	2.193%
32	10.906	2964	2975	2986	rVB	13494	20467	4.56%	0.417%
33	10.999	2990	3004	3009	rBV2	37868	60876	13.57%	1.240%
34	11.089	3024	3032	3045	rVB2	17440	26774	5.97%	0.545%
35	11.291	3084	3095	3111	rVB	14148	21213	4.73%	0.432%
36	11.468	3138	3150	3163	rBV	92649	140764	31.38%	2.867%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

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	3229	rVV2	20445	29795	6.64%	0.607%
38	11.745	3229	3236	3244	rVB	5125	7124	1.59%	0.145%
39	11.812	3244	3257	3271	rVB	159404	255964	57.06%	5.213%
40	11.896	3271	3283	3296	rBV	30403	46553	10.38%	0.948%
41	12.060	3325	3334	3338	rBV2	11176	16567	3.69%	0.337%
42	12.095	3338	3345	3350	rVV2	32727	51570	11.50%	1.050%
43	12.124	3351	3354	3363	rVV	24160	30806	6.87%	0.627%
44	12.192	3363	3375	3389	rVB2	172649	290350	64.72%	5.913%
45	12.378	3421	3433	3442	rVB	10559	15280	3.41%	0.311%
46	12.465	3448	3460	3465	rBV2	20076	31701	7.07%	0.646%
47	12.494	3465	3469	3478	rVV	19922	29609	6.60%	0.603%
48	12.571	3478	3493	3501	rVV	39774	63320	14.11%	1.290%
49	12.610	3501	3505	3515	rVB	6928	9478	2.11%	0.193%
50	12.684	3518	3528	3547	rBV4	17664	35727	7.96%	0.728%
51	12.770	3547	3555	3563	rBV4	4343	6607	1.47%	0.135%
52	12.886	3577	3591	3603	rBV3	92358	144696	32.25%	2.947%
53	12.973	3605	3618	3626	rVV	39214	62273	13.88%	1.268%
54	13.028	3626	3635	3645	rVB	58171	89225	19.89%	1.817%
55	13.105	3651	3659	3664	rBV3	5033	7990	1.78%	0.163%
56	13.208	3685	3691	3699	rVB7	3508	5057	1.13%	0.103%
57	13.294	3707	3718	3728	rVB3	38741	60192	13.42%	1.226%
58	13.349	3729	3735	3743	rVB3	4155	5350	1.19%	0.109%
59	13.407	3743	3753	3757	rBV4	5199	8128	1.81%	0.166%
60	13.452	3757	3767	3782	rVB3	66678	115475	25.74%	2.352%
61	13.558	3794	3800	3809	rVB	6237	8530	1.90%	0.174%
62	13.622	3809	3820	3833	rVB3	21021	33704	7.51%	0.686%
63	13.735	3847	3855	3862	rBV4	4534	6335	1.41%	0.129%
64	13.786	3862	3871	3878	rBV2	10178	16451	3.67%	0.335%
65	13.835	3878	3886	3891	rBV4	14331	22734	5.07%	0.463%
66	13.944	3913	3920	3926	rBV3	7720	15089	3.36%	0.307%
67	13.979	3928	3931	3942	rVB3	13656	17485	3.90%	0.356%
68	14.085	3951	3964	3977	rBV	55483	91293	20.35%	1.859%
69	14.192	3985	3997	4007	rBV6	5474	8358	1.86%	0.170%
70	14.288	4014	4027	4038	rBV6	7956	14752	3.29%	0.300%
71	14.346	4038	4045	4054	rVB4	3944	5849	1.30%	0.119%
72	14.484	4073	4088	4098	rBV3	9846	14577	3.25%	0.297%
73	14.687	4137	4151	4161	rBV5	13240	29114	6.49%	0.593%
74	14.809	4179	4189	4198	rBV2	6147	8346	1.86%	0.170%
75	14.876	4201	4210	4219	rBV4	6497	10148	2.26%	0.207%
76	15.015	4237	4253	4262	rBV9	5823	11871	2.65%	0.242%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

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	15.220	4302	4317	4327	rBV	35386	60628	13.51%	1.235%
78	15.410	4366	4376	4386	rBV	14160	21928	4.89%	0.447%
79	16.262	4632	4641	4649	rBV5	2992	4497	1.00%	0.092%
80	16.410	4677	4687	4694	rBV3	4086	5612	1.25%	0.114%

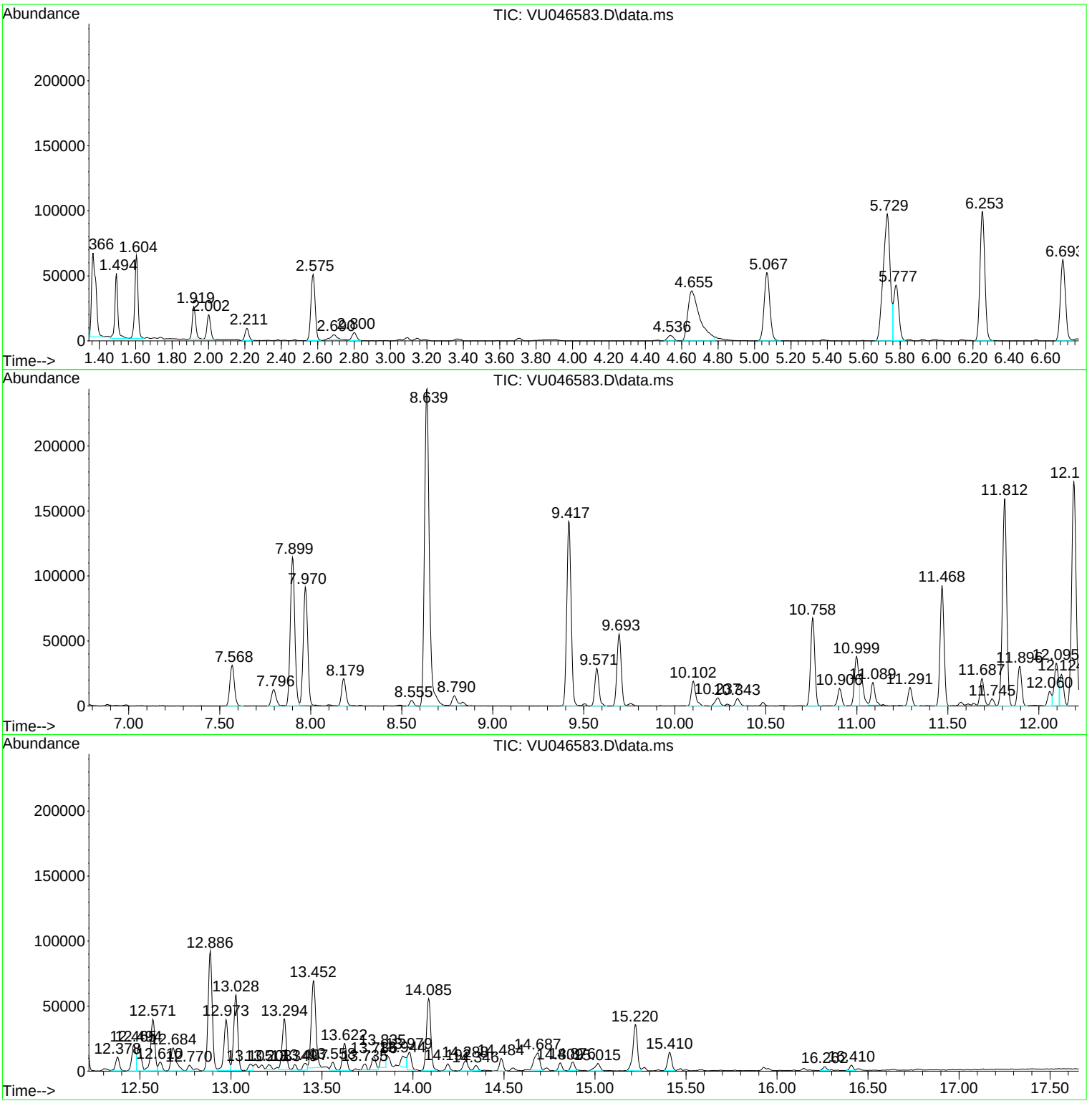
Sum of corrected areas: 4910154

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

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 : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

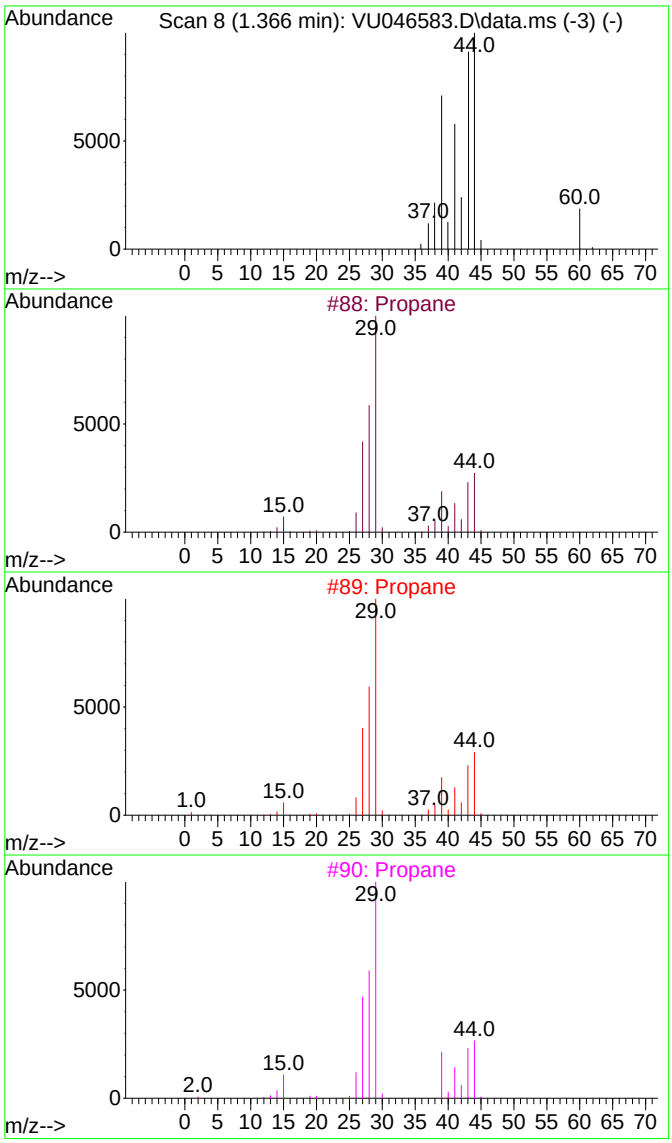
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

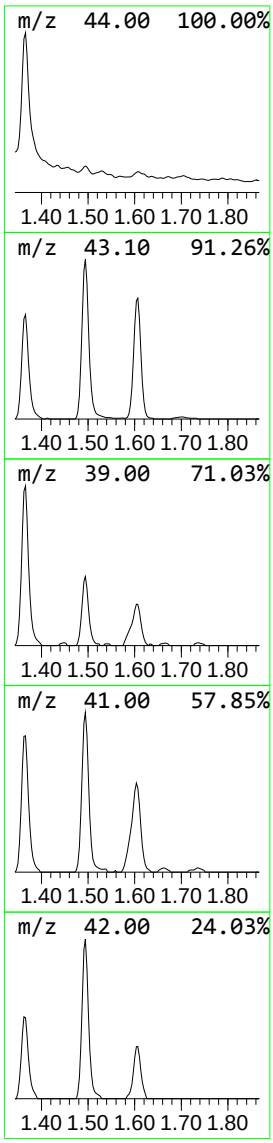
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.366	2.81 ug/L	104429	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	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

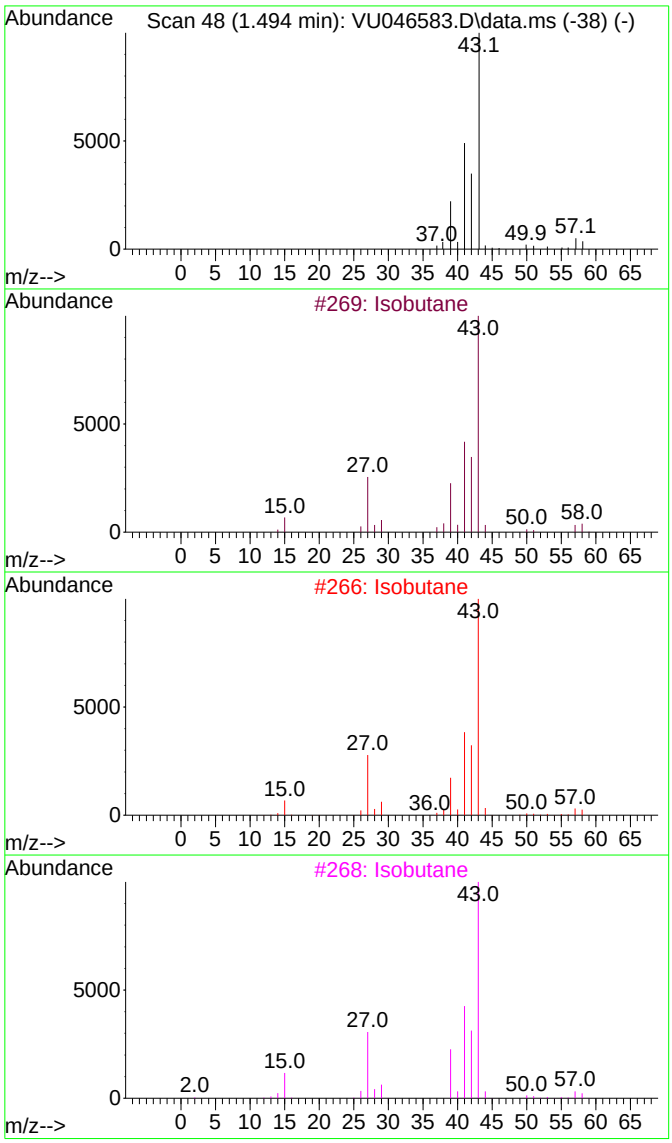
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

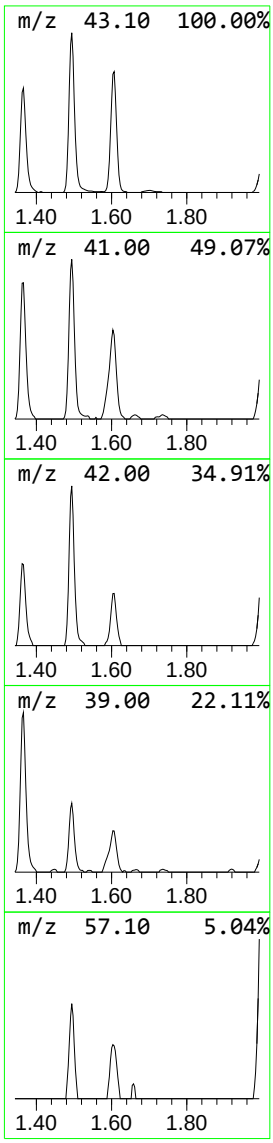
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.494	1.50 ug/L	55818	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	72
4	Isobutane	58	C4H10	000075-28-5	64
5	Isobutane	58	C4H10	000075-28-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

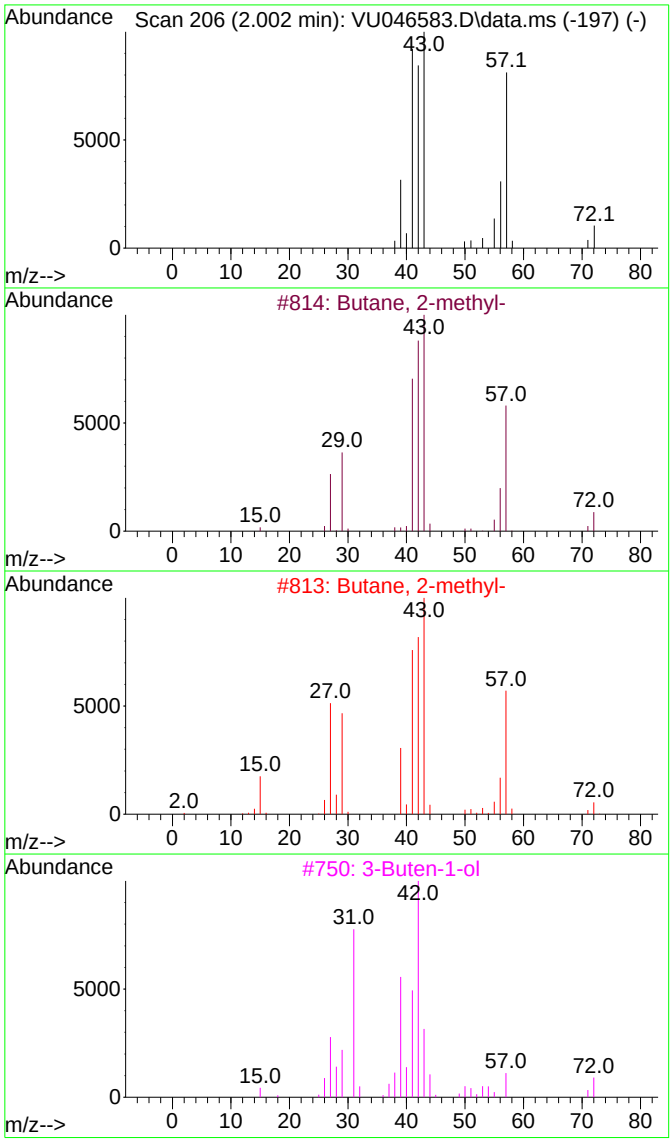
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

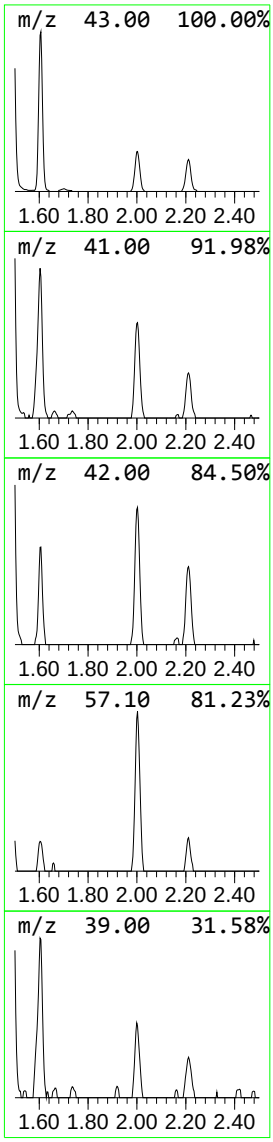
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.002	0.71 ug/L	26242	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	78
2	Butane, 2-methyl-	72	C5H12	000078-78-4	78
3	3-Buten-1-ol	72	C4H8O	000627-27-0	25
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	17
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

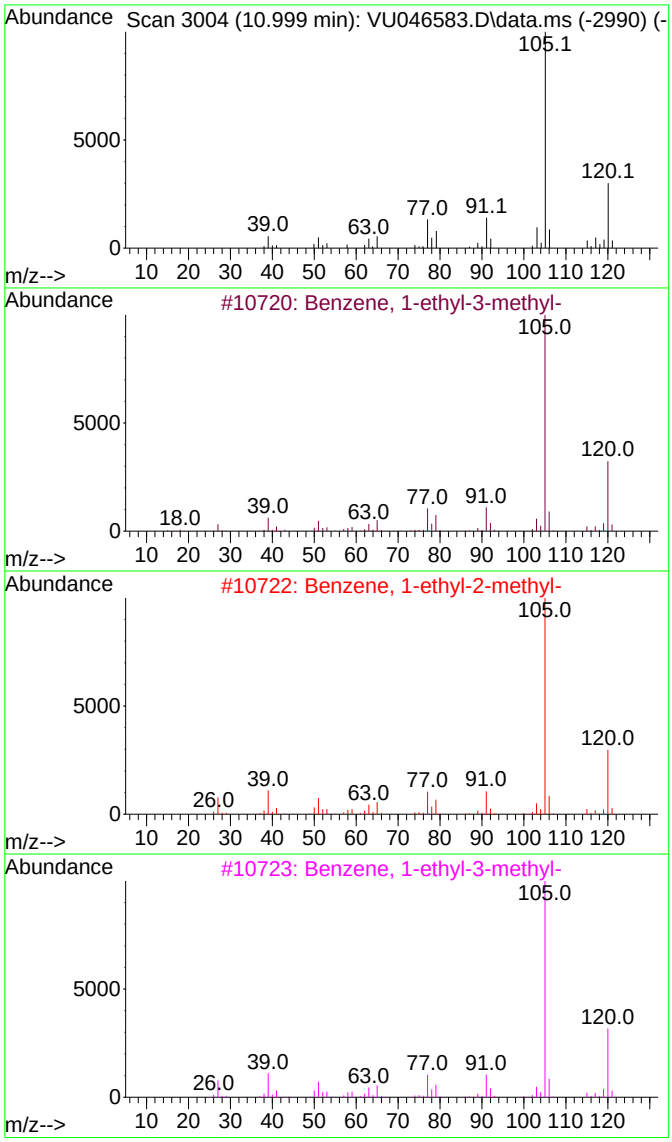
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

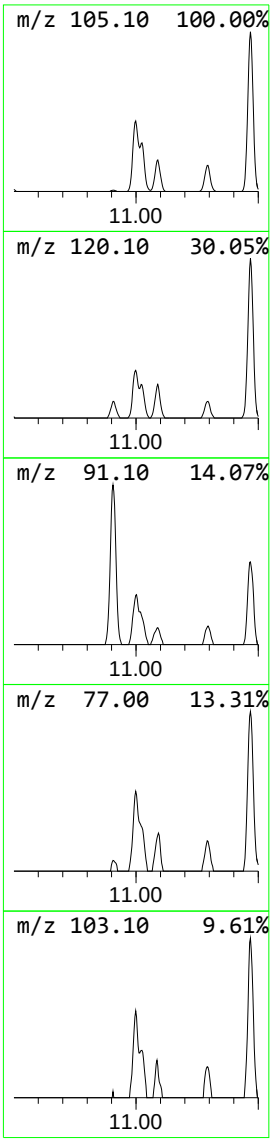
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.999	1.19 ug/L	60876	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

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

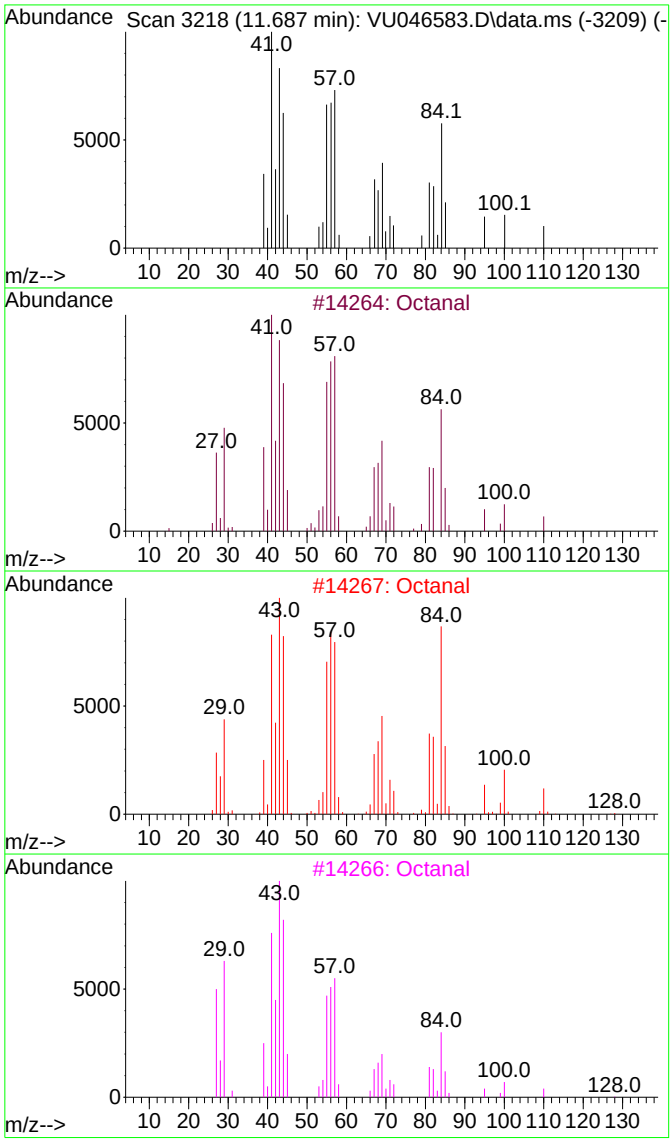
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

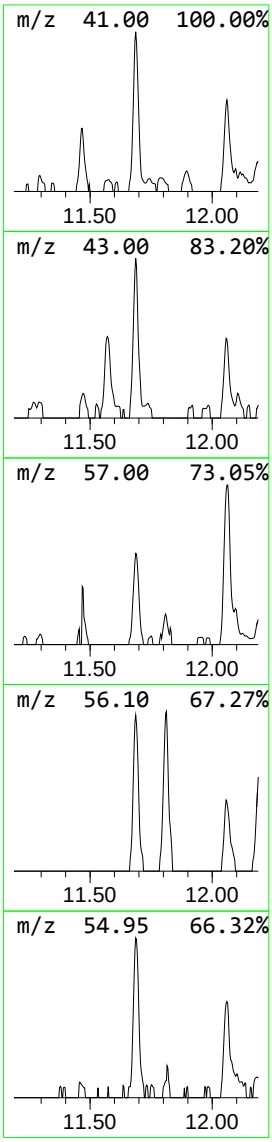
****

Peak Number 6 Octanal Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.687	0.58 ug/L	29795	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	91
3	Octanal	128	C8H16O	000124-13-0	86
4	Octanal	128	C8H16O	000124-13-0	80
5	Octanal	128	C8H16O	000124-13-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

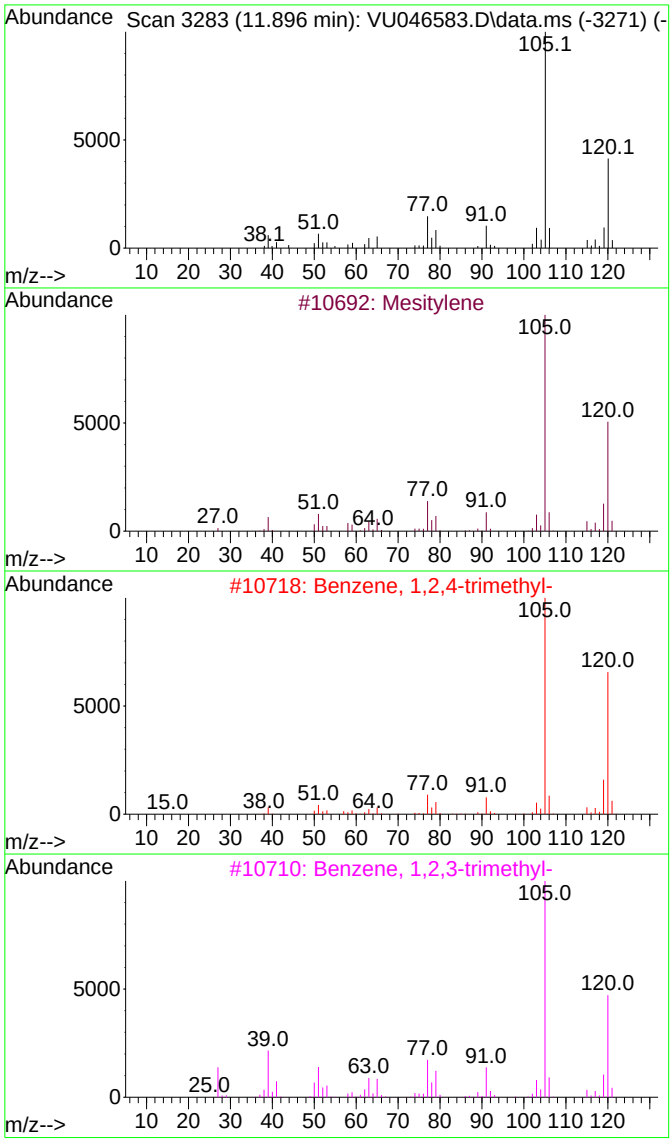
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

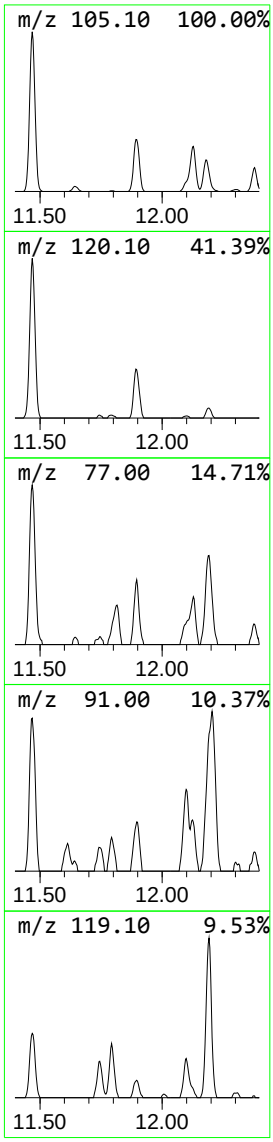
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.896	0.91 ug/L	46553	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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

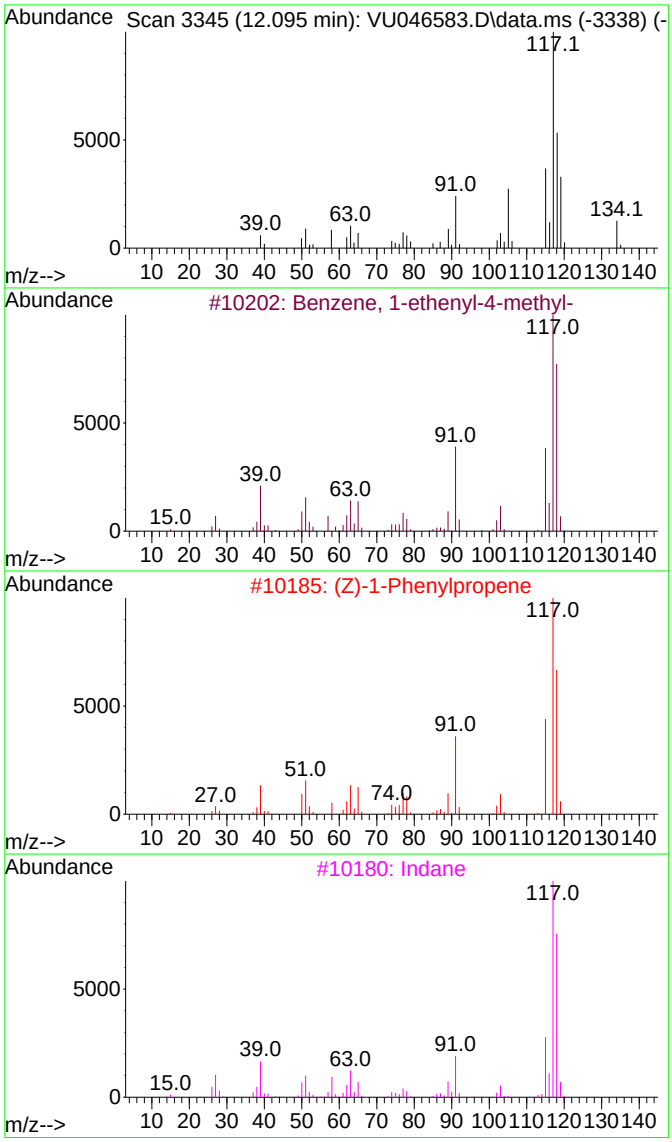
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

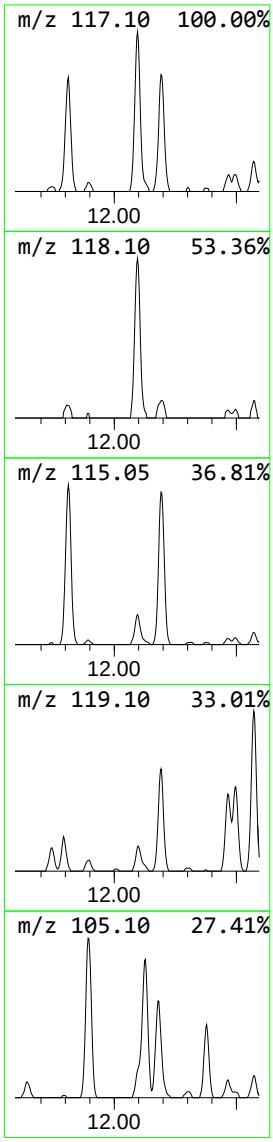
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethenyl-4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.095	1.01 ug/L	51570	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	86
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	83
3	Indane	118	C9H10	000496-11-7	70
4	Indane	118	C9H10	000496-11-7	70
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

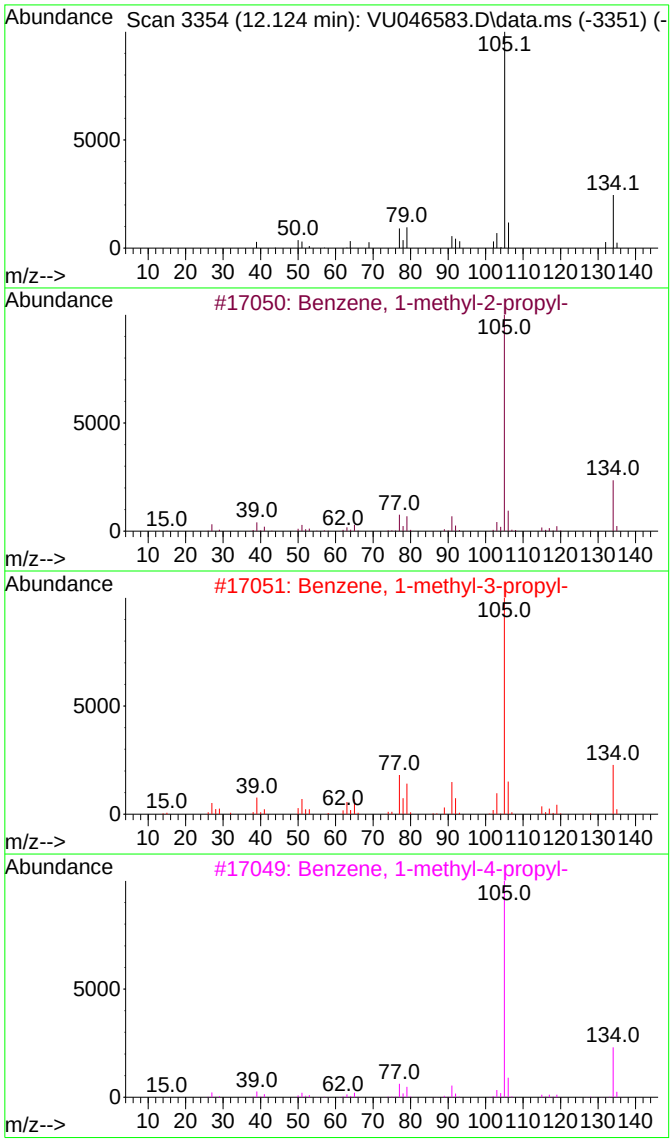
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

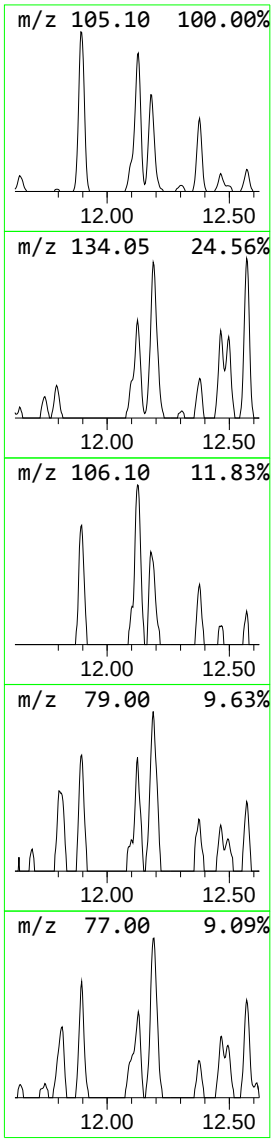
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-methyl-2-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.124	0.60 ug/L	30806	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

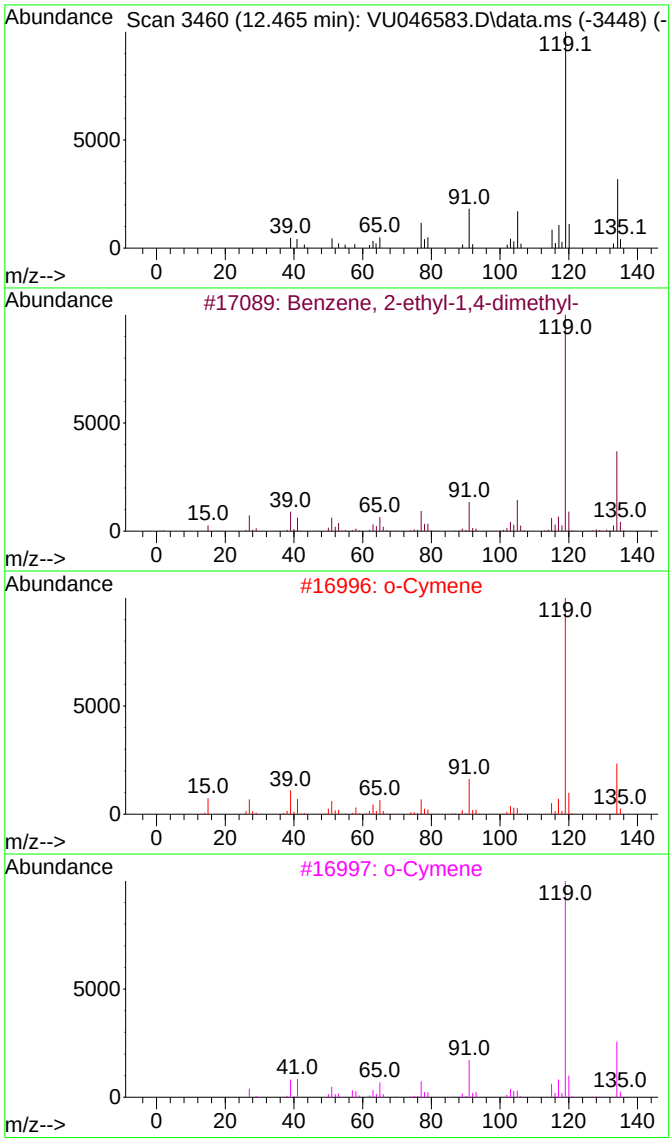
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

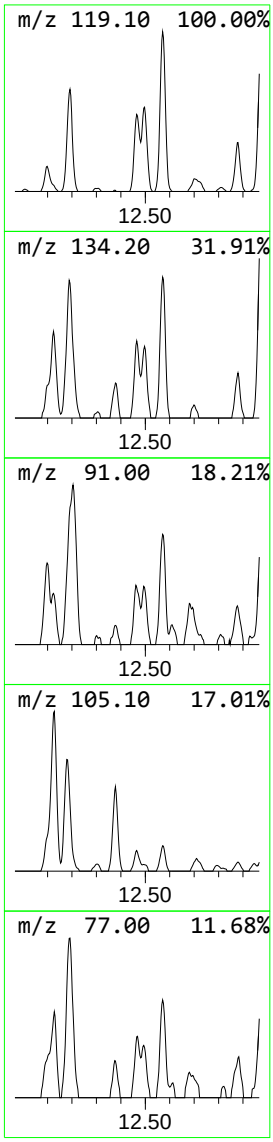
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.465	0.62 ug/L	31701	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

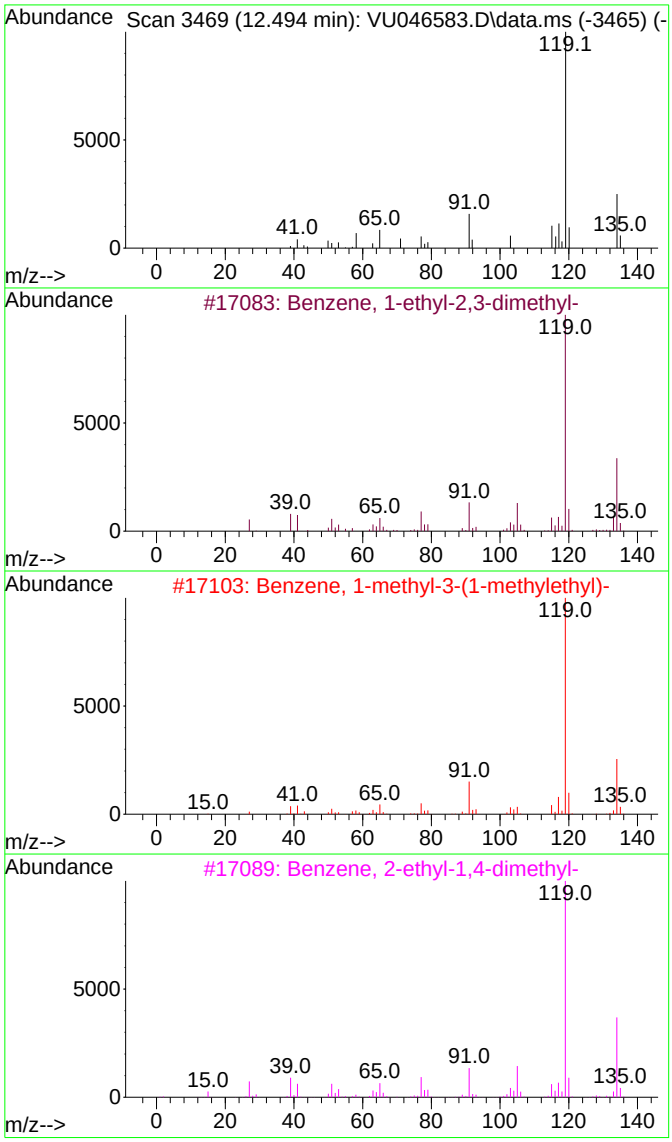
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

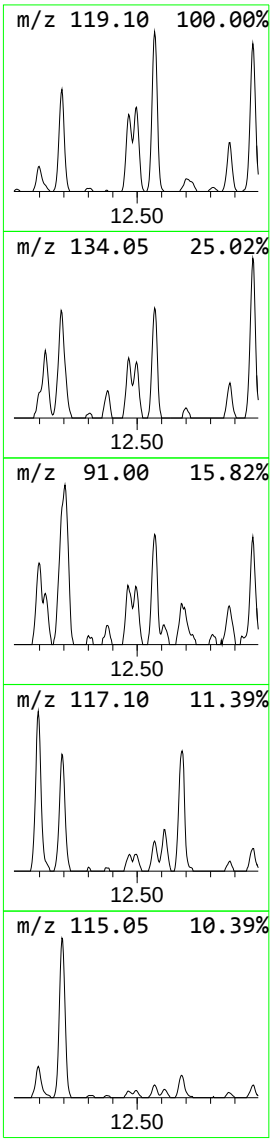
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.494	0.58 ug/L	29609	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

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

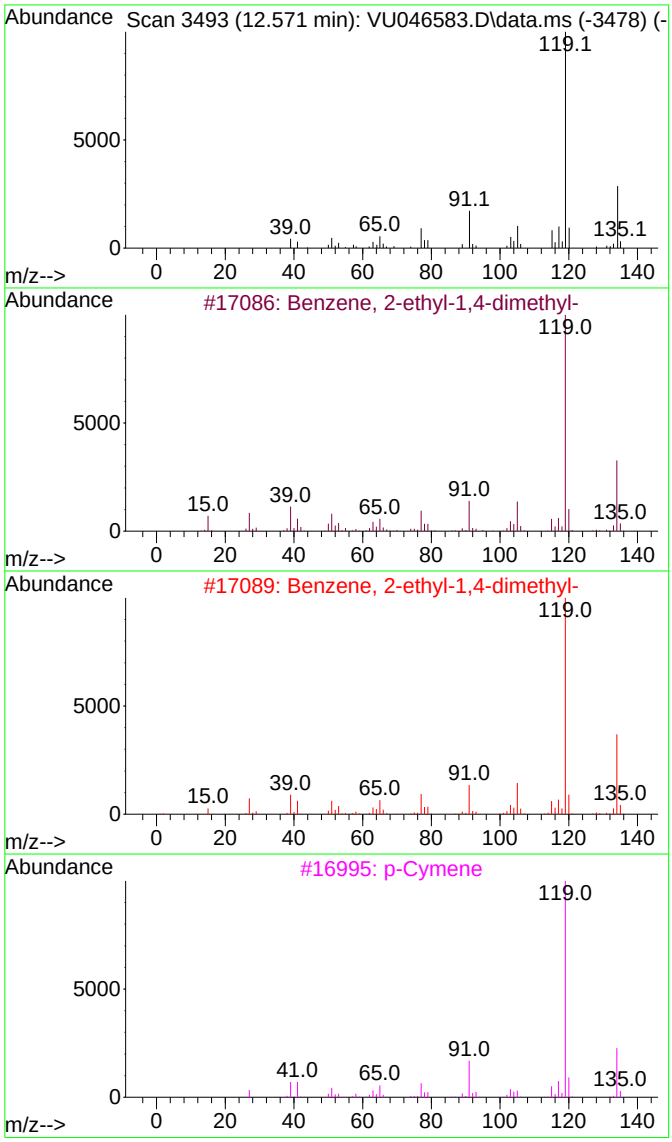
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

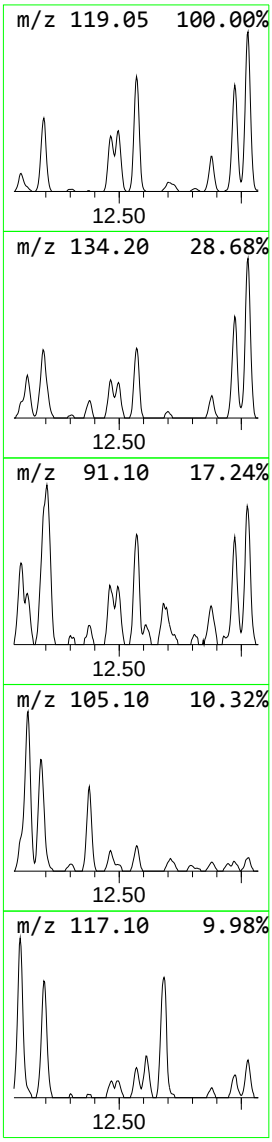
****

Peak Number 12 p-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.571	1.24 ug/L	63320	1,4-Dichlorobenzene-d4	11.812

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

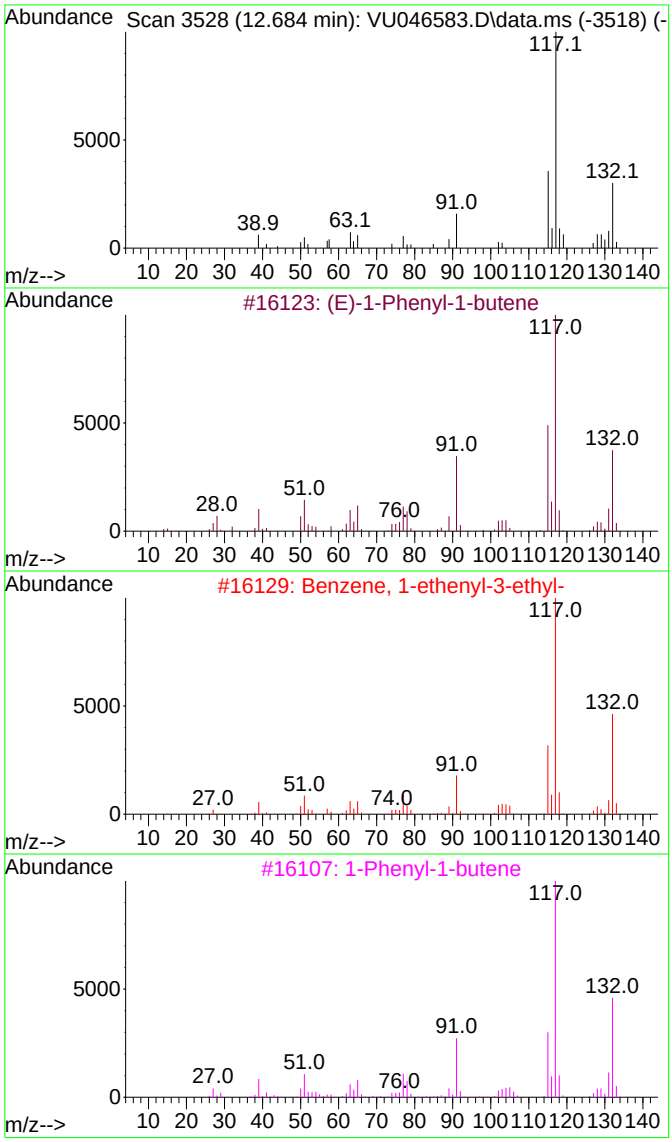
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

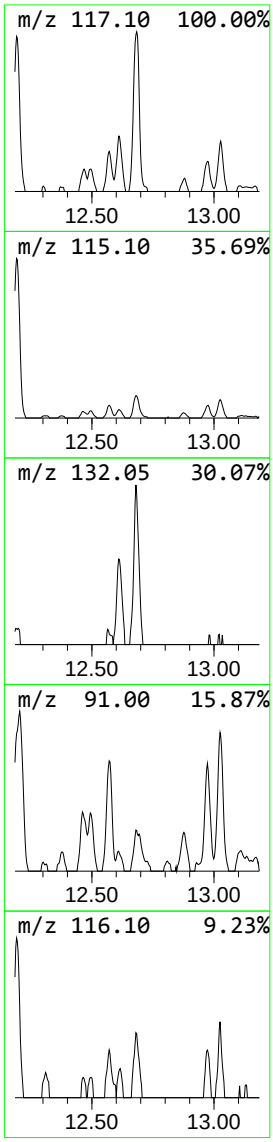
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (E)-1-Phenyl-1-butene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.684	0.70 ug/L	35727	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	86
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

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

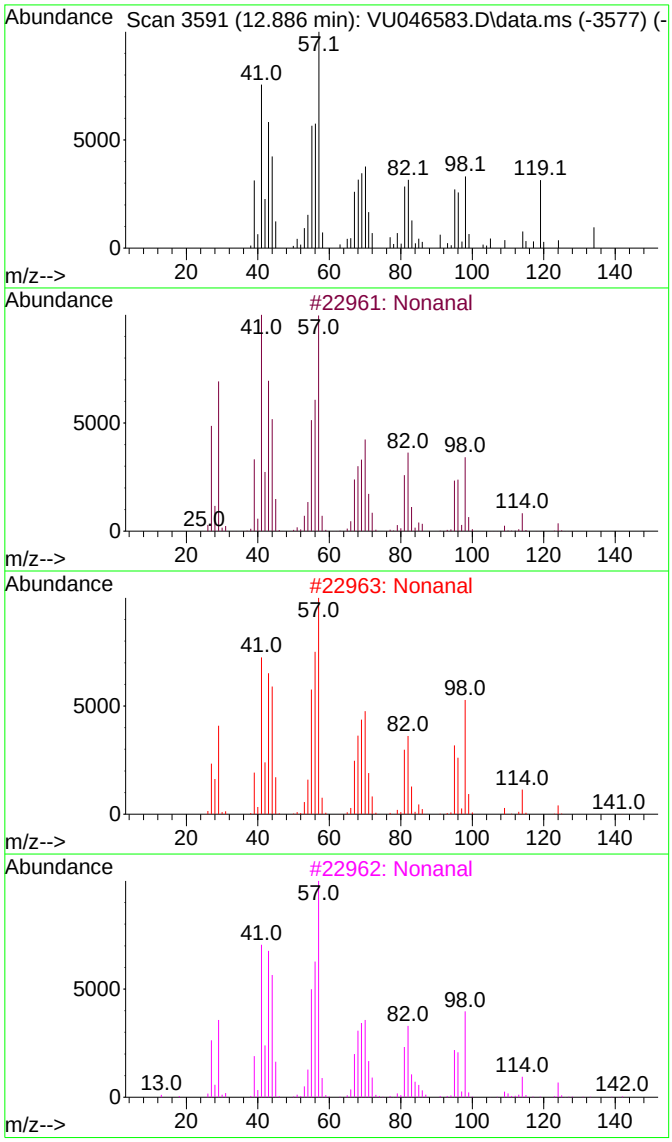
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

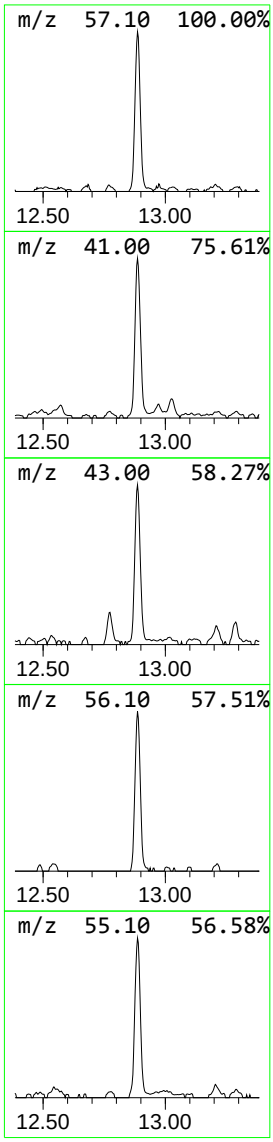
****

Peak Number 14 Nonanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.886	2.83 ug/L	144696	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	74
2	Nonanal	142	C9H18O	000124-19-6	72
3	Nonanal	142	C9H18O	000124-19-6	64
4	Nonanal	142	C9H18O	000124-19-6	59
5	Cycloheptane	98	C7H14	000291-64-5	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

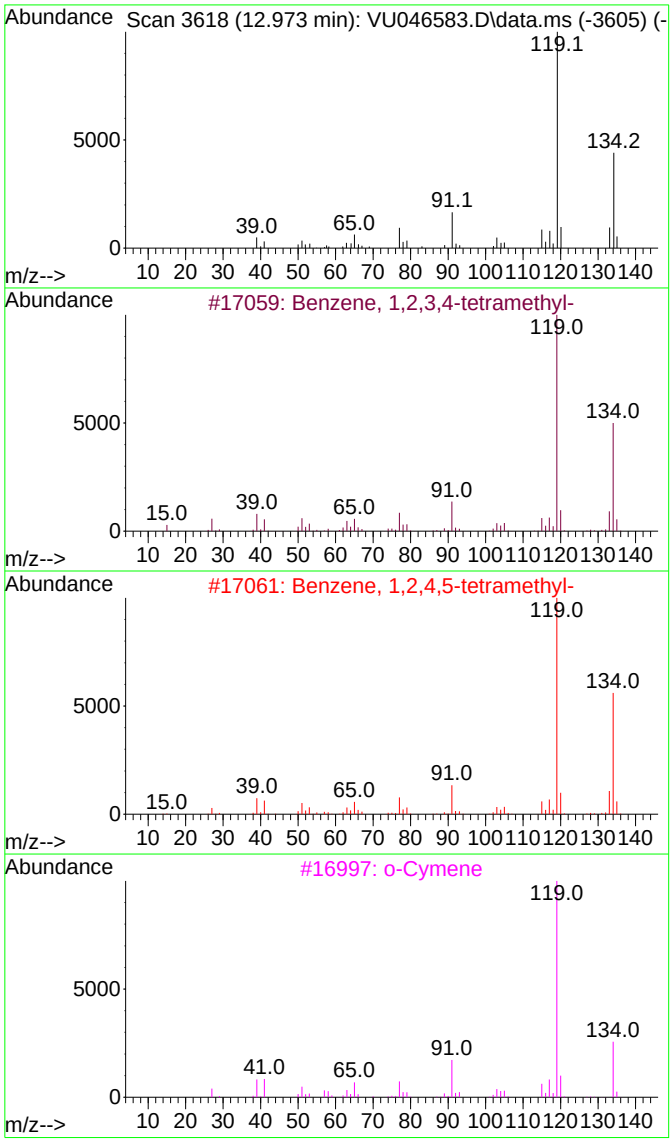
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

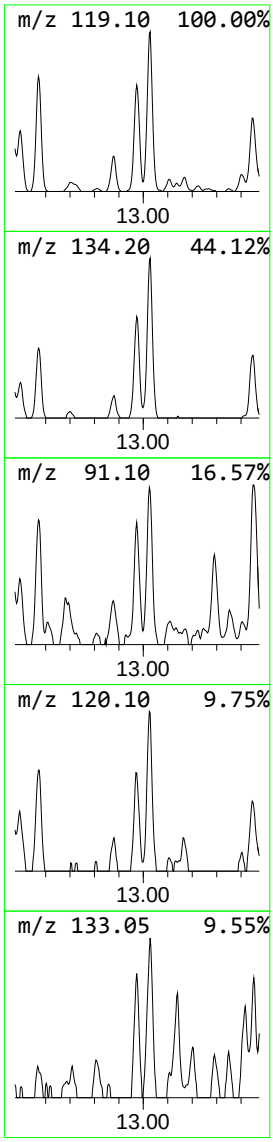
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.973	1.22 ug/L	62273	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

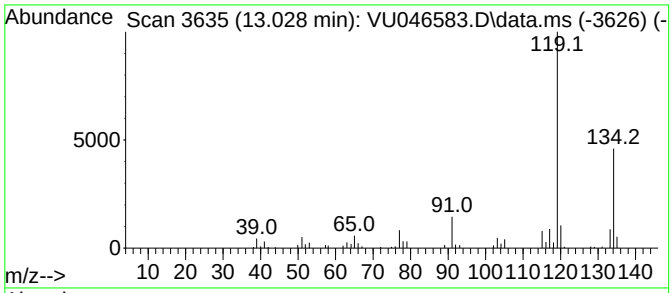
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

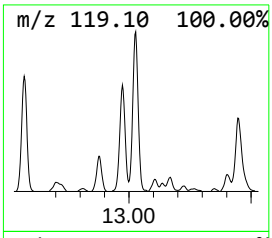
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

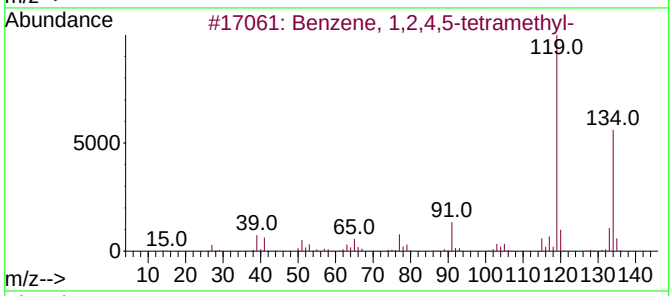
****
Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

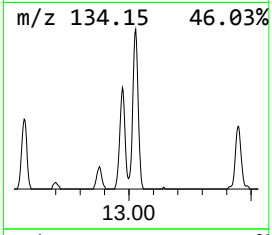
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.028	1.74 ug/L	89225	1,4-Dichlorobenzene-d4	11.812

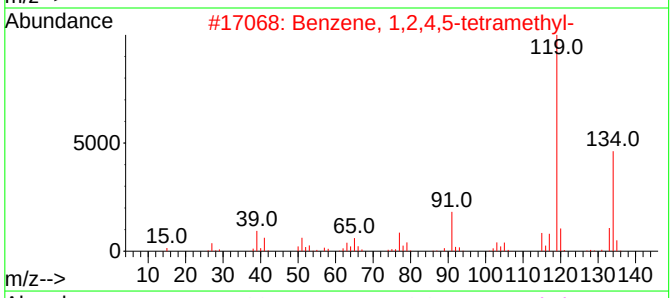
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
5	Benzene, 1,2,3,4-tetramethyl-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

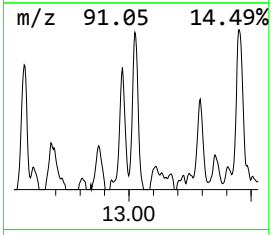


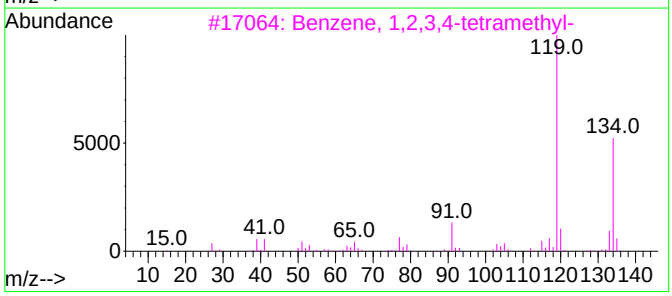


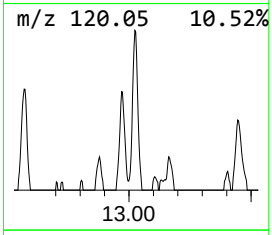


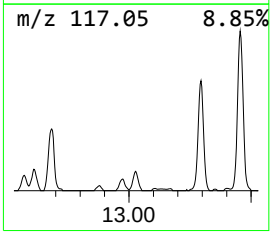












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

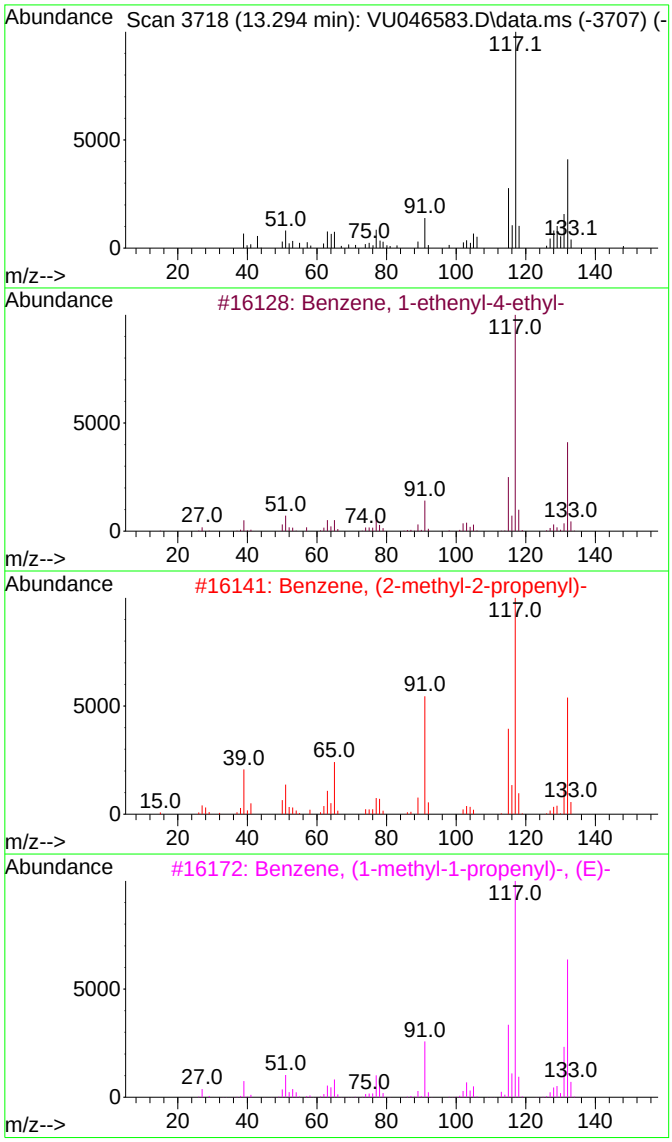
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

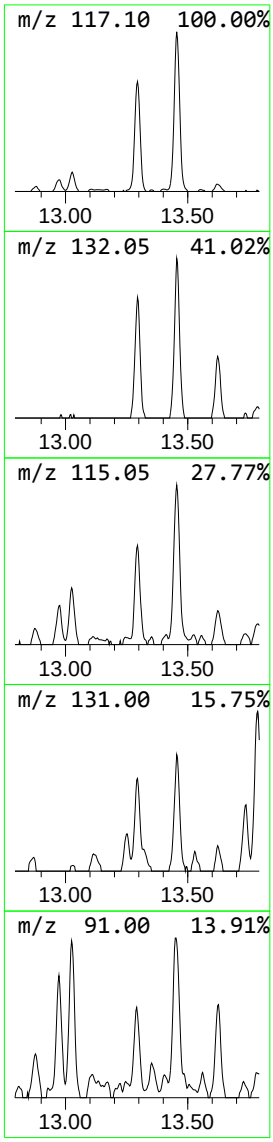
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.294	1.18 ug/L	60192	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

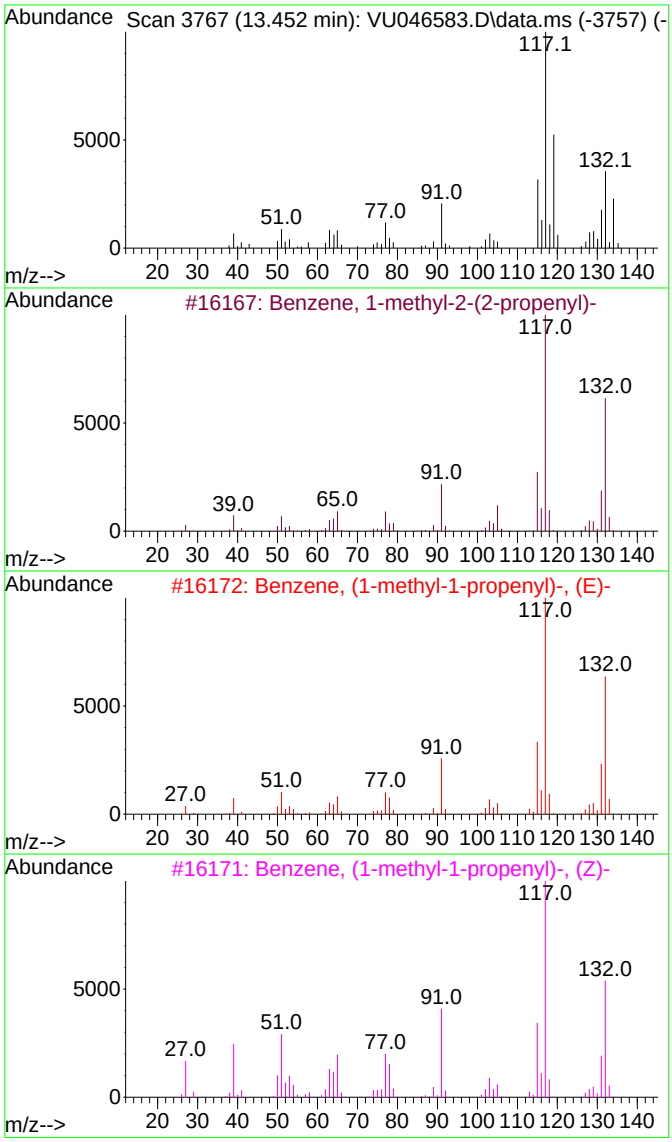
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

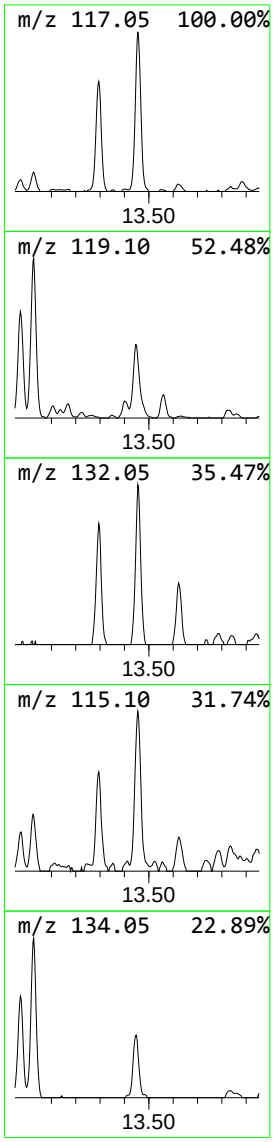
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.452	2.26 ug/L	115475	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	70
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

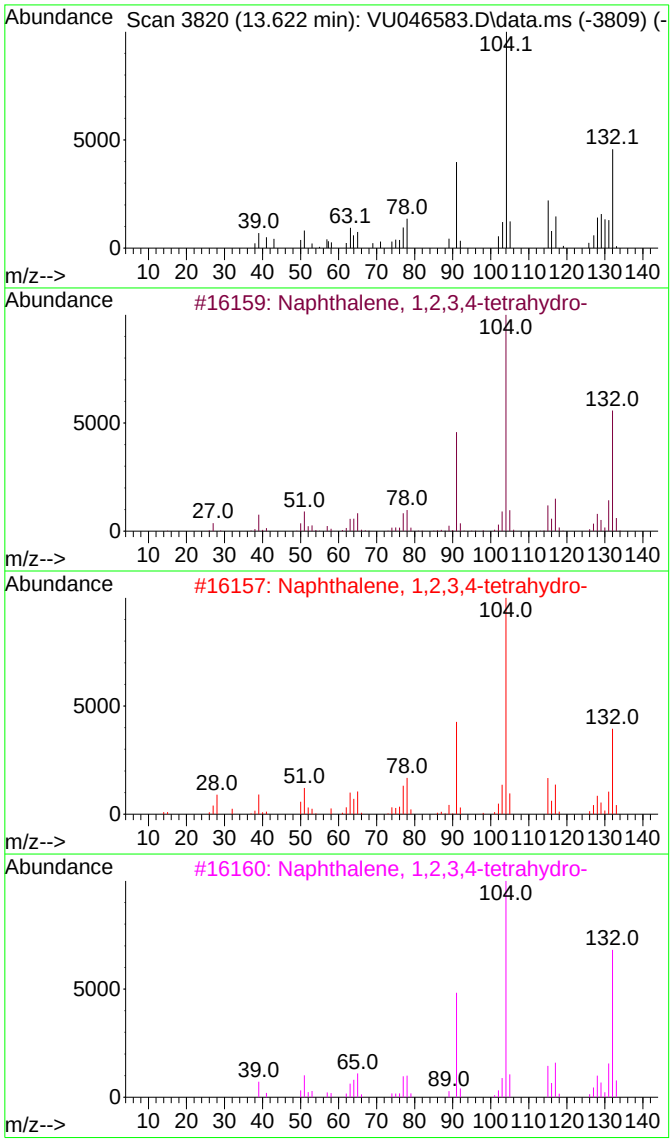
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

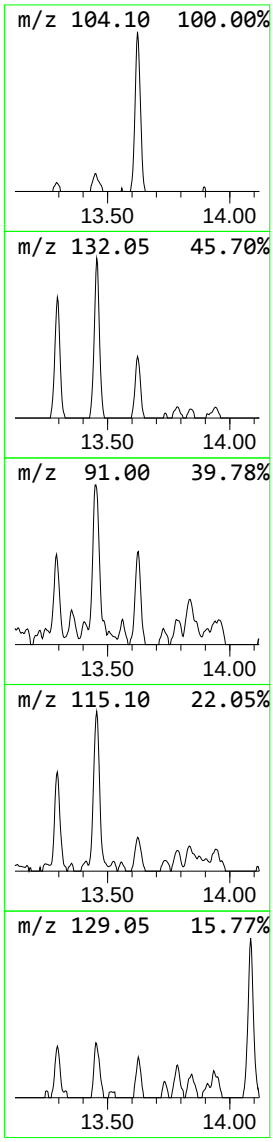
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.622	0.66 ug/L	33704	1,4-Dichlorobenzene-d4	11.812

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	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

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

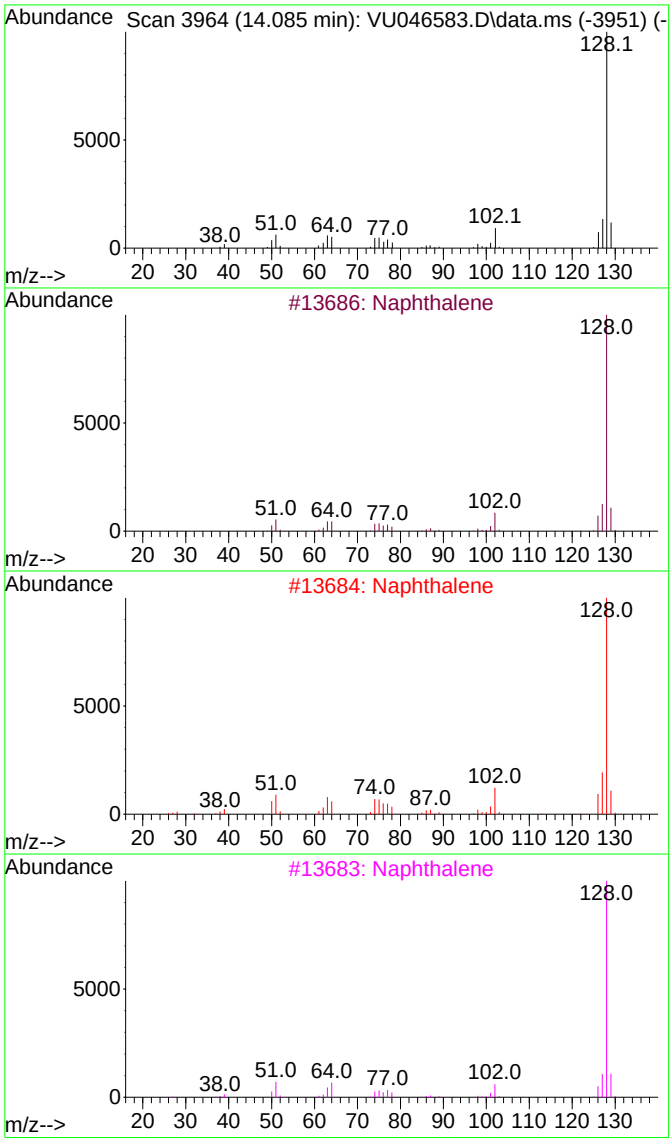
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

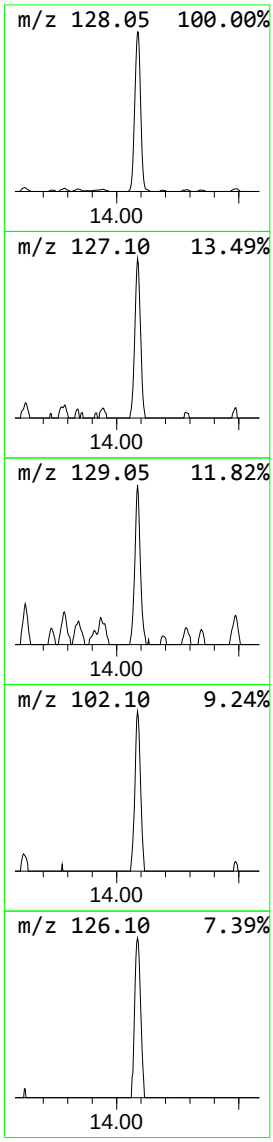
****

Peak Number 20 Azulene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.085	1.78 ug/L	91293	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	91
3	Naphthalene	128	C10H8	000091-20-3	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\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

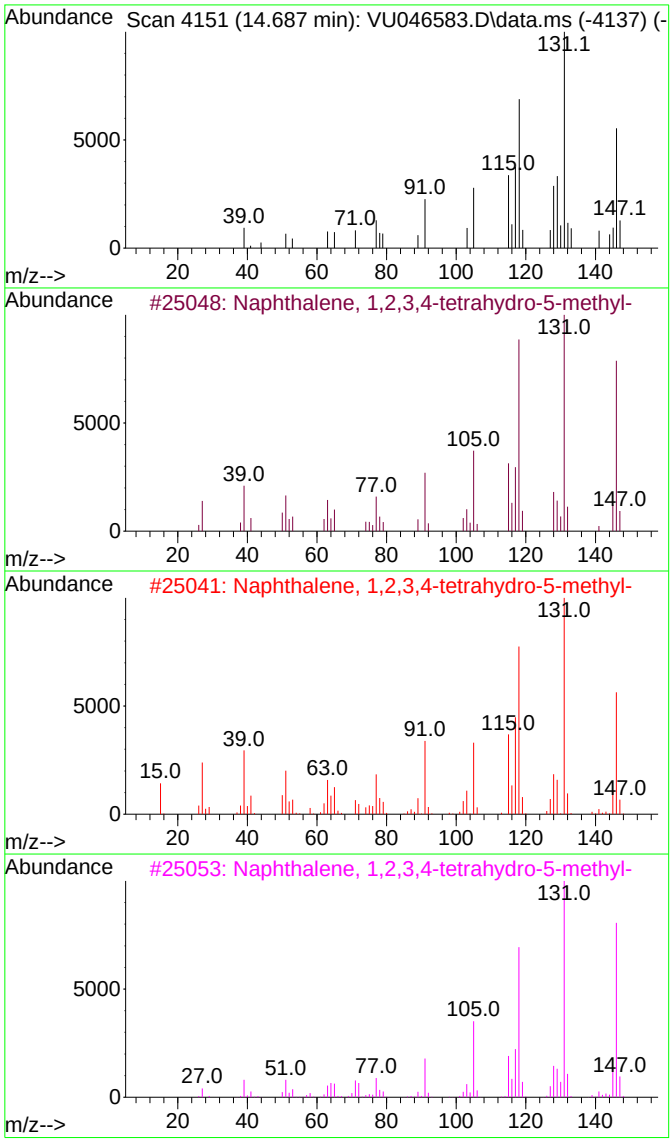
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

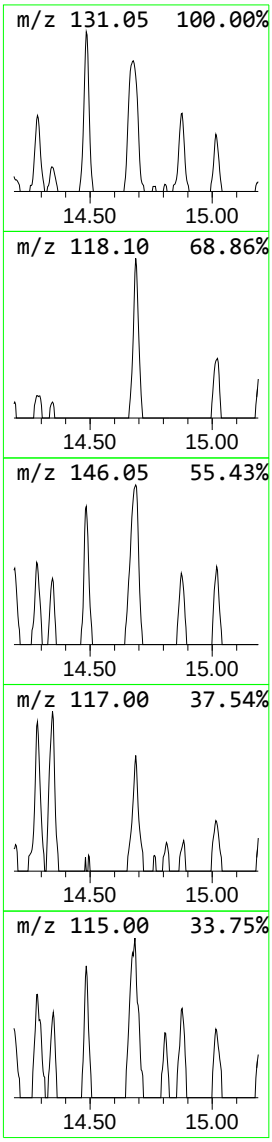
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.687	0.57 ug/L	29114	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	87
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

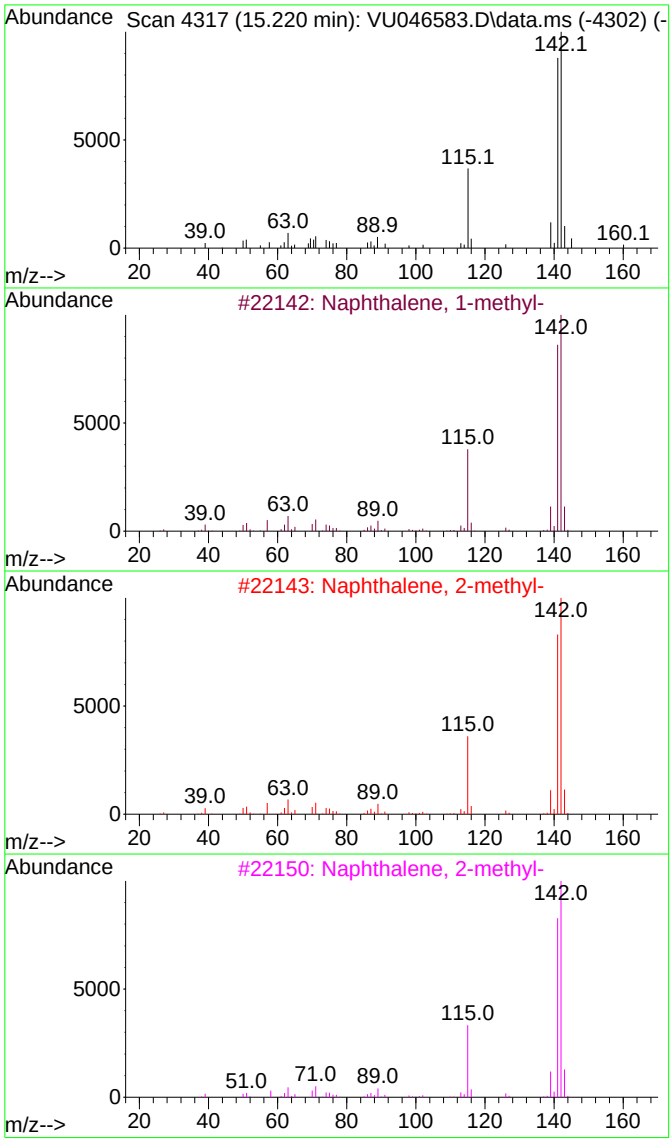
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

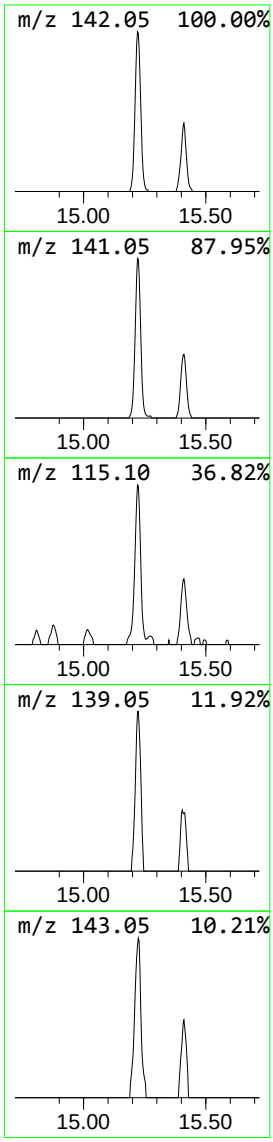
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Naphthalene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.220	1.18 ug/L	60628	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046583.D
Acq On : 23 Dec 2021 22:13
Operator : SY/MD
Sample : M5170-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO3

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	2.8	ug/L	104429	1	6.253	185883	5.0
(DEL) Alkane: S...	1.494	1.5	ug/L	55818	1	6.253	185883	5.0
(DEL) Alkane: S...	2.002	0.7	ug/L	26242	1	6.253	185883	5.0
Benzene, 1-ethy...	10.999	1.2	ug/L	60876	3	11.812	255964	5.0
Octanal	11.687	0.6	ug/L	29795	3	11.812	255964	5.0
Benzene, 1,2,3-...	11.896	0.9	ug/L	46553	3	11.812	255964	5.0
Benzene, 1-ethe...	12.095	1.0	ug/L	51570	3	11.812	255964	5.0
Benzene, 1-meth...	12.124	0.6	ug/L	30806	3	11.812	255964	5.0
Benzene, 2-ethy...	12.465	0.6	ug/L	31701	3	11.812	255964	5.0
Benzene, 1-ethy...	12.494	0.6	ug/L	29609	3	11.812	255964	5.0
p-Cymene	12.571	1.2	ug/L	63320	3	11.812	255964	5.0
(E)-1-Phenyl-1-...	12.684	0.7	ug/L	35727	3	11.812	255964	5.0
Nonanal	12.886	2.8	ug/L	144696	3	11.812	255964	5.0
Benzene, 1,2,3,...	12.973	1.2	ug/L	62273	3	11.812	255964	5.0
Benzene, 1,2,4,...	13.028	1.7	ug/L	89225	3	11.812	255964	5.0
Benzene, 1-ethe...	13.294	1.2	ug/L	60192	3	11.812	255964	5.0
Benzene, 1-meth...	13.452	2.3	ug/L	115475	3	11.812	255964	5.0
Naphthalene, 1,...	13.622	0.7	ug/L	33704	3	11.812	255964	5.0
Azulene	14.085	1.8	ug/L	91293	3	11.812	255964	5.0
Naphthalene, 1,...	14.687	0.6	ug/L	29114	3	11.812	255964	5.0
Naphthalene, 1-...	15.220	1.2	ug/L	60628	3	11.812	255964	5.0