LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 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: VU046544.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	25	rVB2	69311	119574	25.89%	2.084%
2	1.494	37	48	61	rBV	47700	55212	11.96%	0.962%
3	1.604	72	82	96	rVB	77491	95329	20.64%	1.662%
4	1.922	172	181	197	rBV	29622	41521	8.99%	0.724%
5	2.002	197	206	216	rVB	21779	30430	6.59%	0.530%
6	2.211	262	271	282	rVB2	10726	15639	3.39%	0.273%
7	2.575	372	384	400	rBV	70924	115693	25.05%	2.017%
8	2.690	400	420	444	rVV4	5171	17685	3.83%	0.308%
9	2.803	444	455	466	rVB	6820	12333	2.67%	0.215%
10	3.366	617	630	641	rBB6	2597	4961	1.07%	0.086%
11	3.706	726	736	746	rBB3	2442	4694	1.02%	0.082%
12	4.539	982	995	1007	rBB3	4903	10437	2.26%	0.182%
13	4.671	1014	1036	1080	rBV3	77369	280363	60.71%	4.887%
14	5.070	1143	1160	1177	rBV2	58485	128550	27.84%	2.241%
15	5.729	1345	1365	1375	rBV2	121654	321610	69.65%	5.606%
16	5.777	1375	1380	1396	rVB	48094	88527	19.17%	1.543%
17	6.253	1514	1528	1552	rBV	105189	195936	42.43%	3.415%
18	6.546	1611	1619	1628	rBB3	3790	6417	1.39%	0.112%
19	6.694	1653	1665	1681	rBV2	72657	141158	30.57%	2.461%
20	7.568	1925	1937	1954	rVB	38999	67284	14.57%	1.173%
21	7.796	1998	2008	2025	rBV	15058	28101	6.09%	0.490%
22	7.899	2025	2040	2052	rBV	151823	259170	56.12%	4.518%
23	7.970	2052	2062	2076	rVB	101741	171248	37.08%	2.985%
24	8.182	2117	2128	2140	rBV2	25162	40813	8.84%	0.711%
25	8.555	2233	2244	2253	rBB5	10645	16864	3.65%	0.294%
26	8.636	2257	2269	2302	rBV	252710	461775	100.00%	8.049%
27	8.790	2307	2317	2327	rVV3	8957	16716	3.62%	0.291%
28	8.838	2327	2332	2347	rVB3	3163	5303	1.15%	0.092%
29	9.420	2501	2513	2532	rBV	150374	247161	53.52%	4.308%
30	9.571	2550	2560	2577	rBB	33281	53167	11.51%	0.927%
31	9.693	2587	2598	2610	rBV	64351	104665	22.67%	1.824%
32	10.102	2714	2725	2742	rVB2	22369	38297	8.29%	0.668%
33	10.237	2753	2767	2778	rBV2	7966	14324	3.10%	0.250%
34	10.346	2790	2801	2813	rBV3	6957	11117	2.41%	0.194%
35	10.488	2836	2845	2854	rVB2	3387	4854	1.05%	0.085%
36	10.758	2915	2929	2943	rBV	71113	110356	23.90%	1.924%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
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Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 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	10.906	2964	2975	2988	rVB2	15350	23228	5.03%	0.405%
38	10.999	2988	3004	3009	rBV	43376	70670	15.30%	1.232%
39	11.089	3024	3032	3047	rVB	19469	28766	6.23%	0.501%
40	11.291	3085	3095	3105	rBV	16428	24716	5.35%	0.431%
41	11.468	3139	3150	3163	rBV	104289	161025	34.87%	2.807%
42	11.571	3174	3182	3188	rBV3	3685	4967	1.08%	0.087%
43	11.687	3210	3218	3229	rVV2	24001	35997	7.80%	0.627%
44	11.742	3229	3235	3243	rVB2	5893	8276	1.79%	0.144%
45	11.812	3243	3257	3272	rVB	170253	273306	59.19%	4.764%
46	11.896	3272	3283	3293	rBV	34503	52410	11.35%	0.914%
47	12.060	3322	3334	3338	rBV2	12870	19344	4.19%	0.337%
48	12.095	3338	3345	3350	rVV2	37940	60276	13.05%	1.051%
49	12.124	3351	3354	3364	rVV	27707	35783	7.75%	0.624%
50	12.192	3364	3375	3395	rVB2	195250	331458	71.78%	5.778%
51	12.378	3423	3433	3445	rVB	10972	17161	3.72%	0.299%
52	12.465	3447	3460	3465	rBV2	21799	34767	7.53%	0.606%
53	12.494	3465	3469	3479	rVV	23603	34277	7.42%	0.597%
54	12.571	3479	3493	3501	rVV	45050	69469	15.04%	1.211%
55	12.613	3501	3506	3514	rVB2	7713	9937	2.15%	0.173%
56	12.680	3518	3527	3548	rVB3	21023	41472	8.98%	0.723%
57	12.770	3548	3555	3562	rBV5	4783	7236	1.57%	0.126%
58	12.886	3578	3591	3604	rBV2	111088	171263	37.09%	2.985%
59	12.973	3609	3618	3626	rBV	41638	60801	13.17%	1.060%
60	13.028	3626	3635	3647	rVB	62223	96790	20.96%	1.687%
61	13.108	3649	3660	3664	rBV4	5079	8502	1.84%	0.148%
62	13.208	3685	3691	3700	rVB8	3537	5311	1.15%	0.093%
63	13.295	3707	3718	3729	rVB3	42926	68812	14.90%	1.199%
64	13.349	3729	3735	3743	rVB3	4967	7026	1.52%	0.122%
65	13.407	3743	3753	3757	rBV3	6321	9502	2.06%	0.166%
66	13.452	3757	3767	3782	rVB3	72655	128276	27.78%	2.236%
67	13.558	3794	3800	3809	rVB2	6582	9471	2.05%	0.165%
68	13.622	3809	3820	3832	rVB2	23204	38762	8.39%	0.676%
69	13.735	3848	3855	3862	rBV3	6265	7888	1.71%	0.137%
70	13.786	3862	3871	3878	rBV2	11295	18035	3.91%	0.314%
71	13.835	3878	3886	3892	rBV4	17125	29620	6.41%	0.516%
72	13.944	3913	3920	3925	rBV2	8442	14721	3.19%	0.257%
73	13.979	3927	3931	3943	rVB4	17173	23689	5.13%	0.413%
74	14.085	3951	3964	3980	rBV	67976	110765	23.99%	1.931%
75	14.192	3989	3997	4009	rVB5	6236	9454	2.05%	0.165%
76	14.285	4017	4026	4038	rBV3	9352	15382	3.33%	0.268%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 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	14.346	4038	4045	4054	rVB2	4327	6069	1.31%	0.106%
78	14.484	4081	4088	4100	rVB2	11446	16015	3.47%	0.279%
79	14.684	4136	4150	4159	rVV5	14775	32445	7.03%	0.566%
80	14.735	4159	4166	4173	rVB7	3031	4700	1.02%	0.082%
81	14.809	4179	4189	4197	rBV3	6701	10235	2.22%	0.178%
82	14.876	4201	4210	4218	rBV4	7844	11839	2.56%	0.206%
83	15.018	4238	4254	4262	rVB9	6296	14131	3.06%	0.246%
84	15.220	4301	4317	4329	rBV	44664	77691	16.82%	1.354%
85	15.407	4366	4375	4387	rBV	17683	27945	6.05%	0.487%
86	15.928	4525	4537	4541	rBV6	3119	4625	1.00%	0.081%
87	16.262	4632	4641	4650	rBV3	4555	7064	1.53%	0.123%
88	16.410	4679	4687	4693	rBV3	5699	8163	1.77%	0.142%

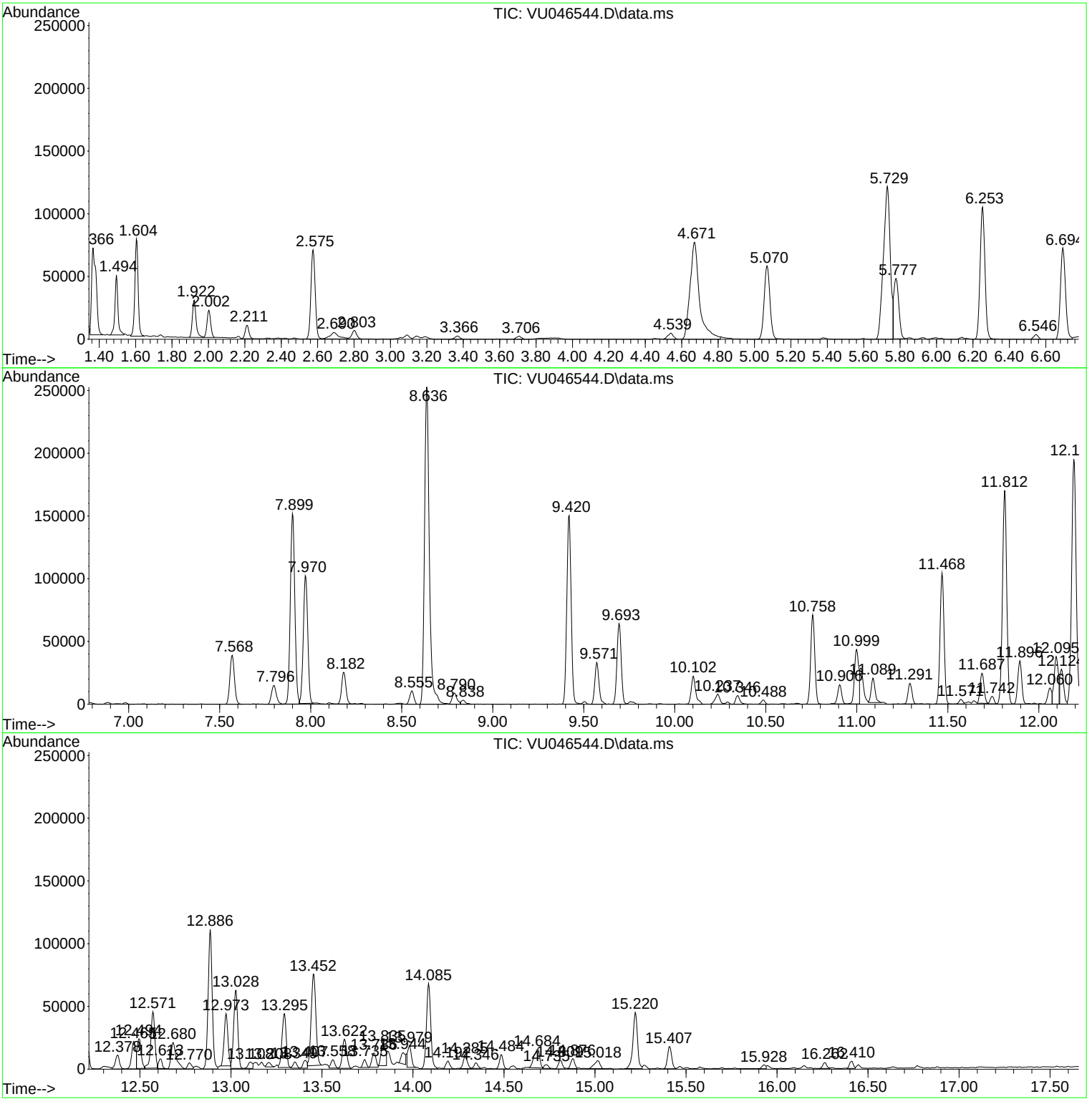
Sum of corrected areas: 5736817

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 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\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

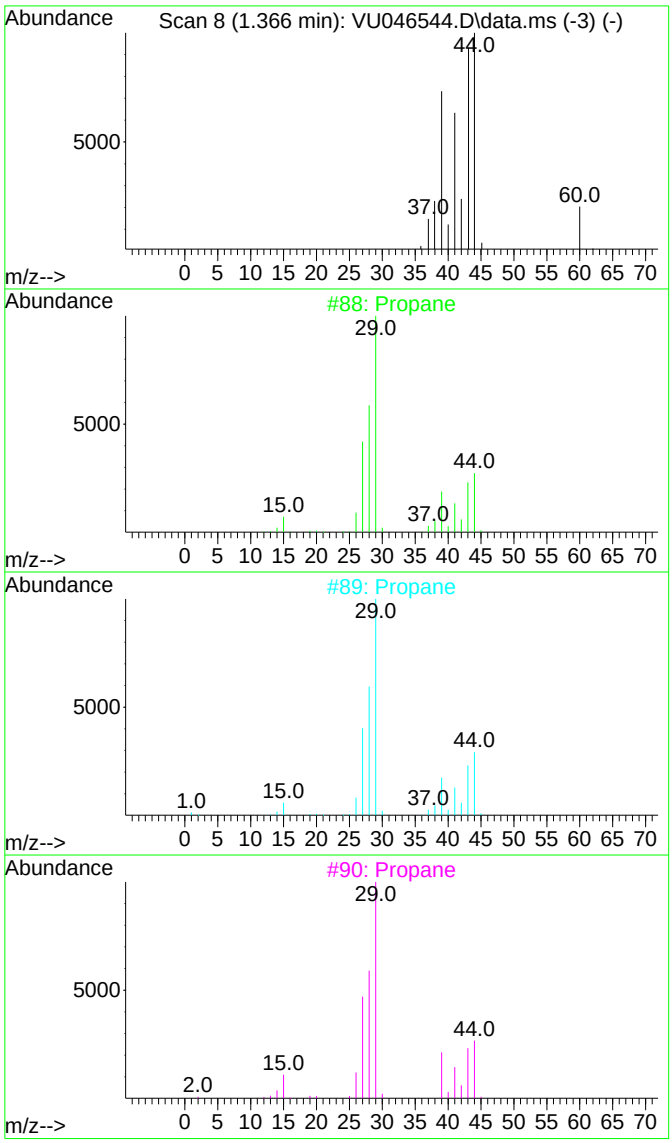
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

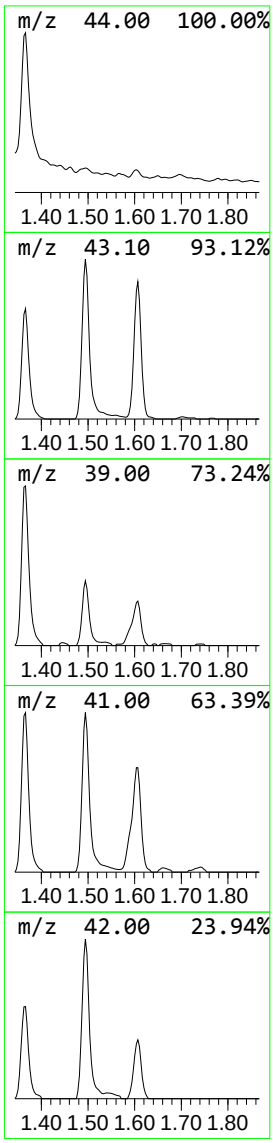
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.366	3.05 ug/L	119574	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	Cyclopropene	40	C3H4	002781-85-3	2





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

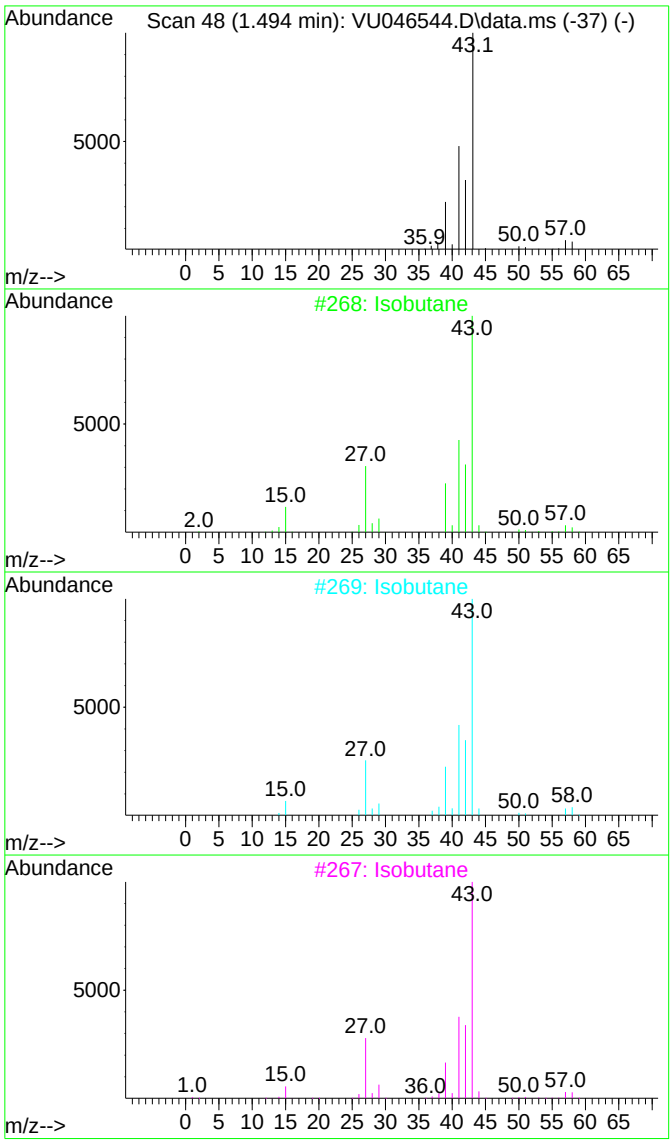
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

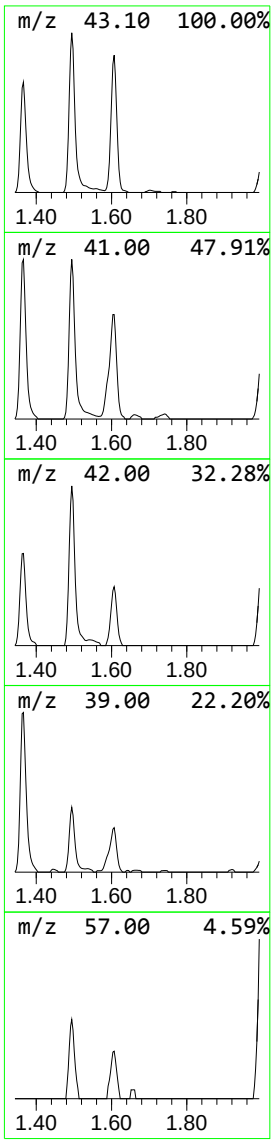
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.494	1.41 ug/L	55212	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\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

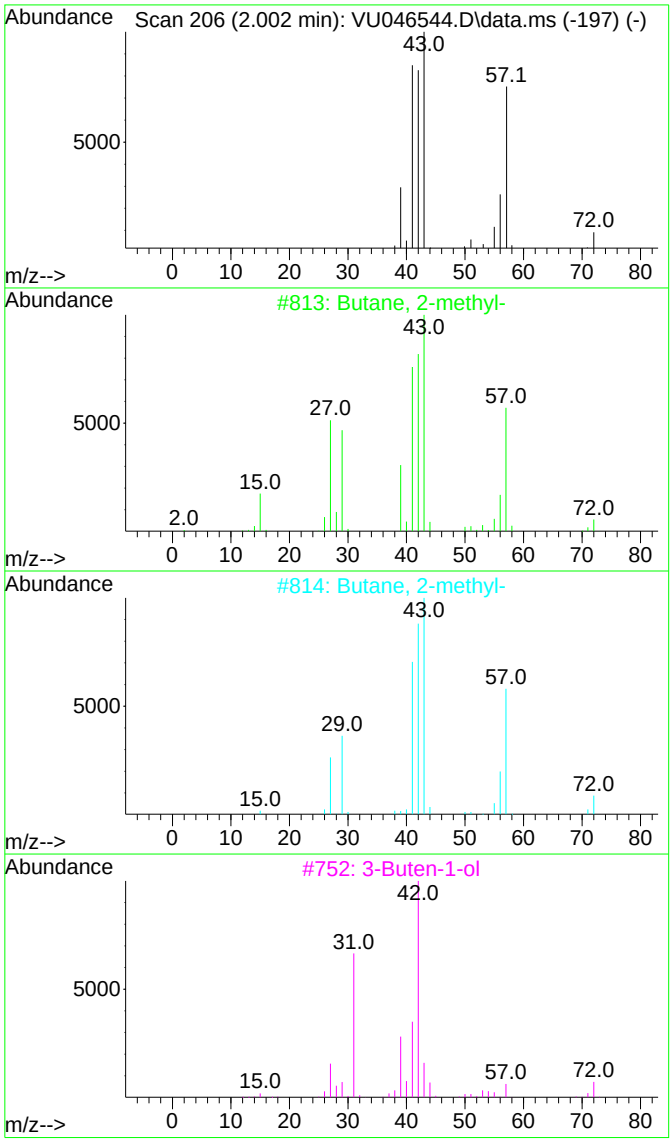
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

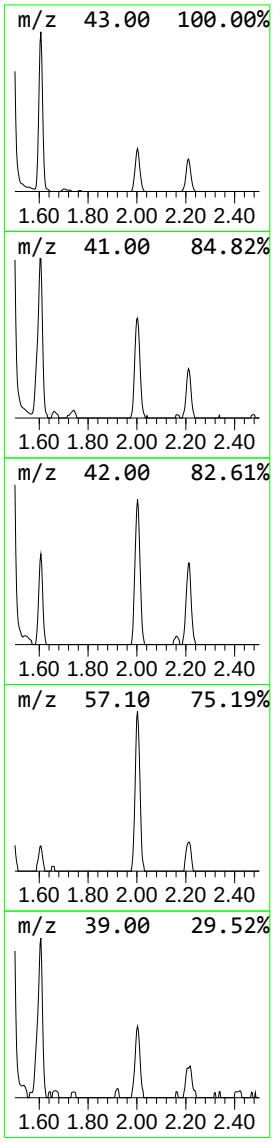
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.002	0.78 ug/L	30430	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	86
3	3-Buten-1-ol	72	C4H8O	000627-27-0	37
4	Propane, 2-methyl-1-nitro-	103	C4H9NO2	000625-74-1	12
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

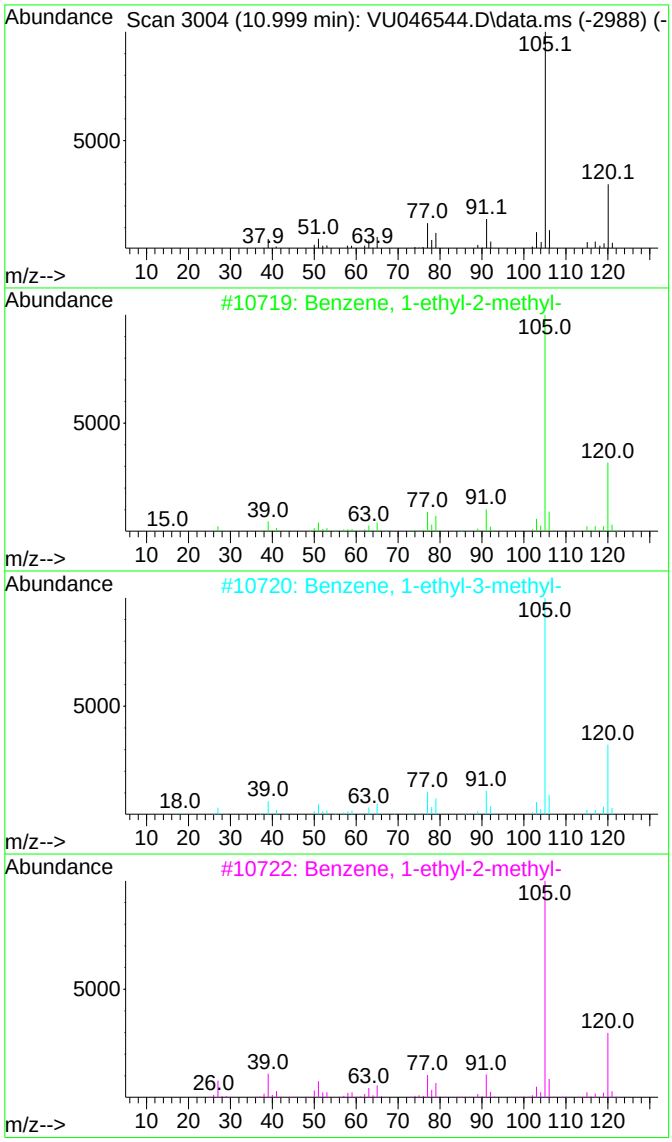
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

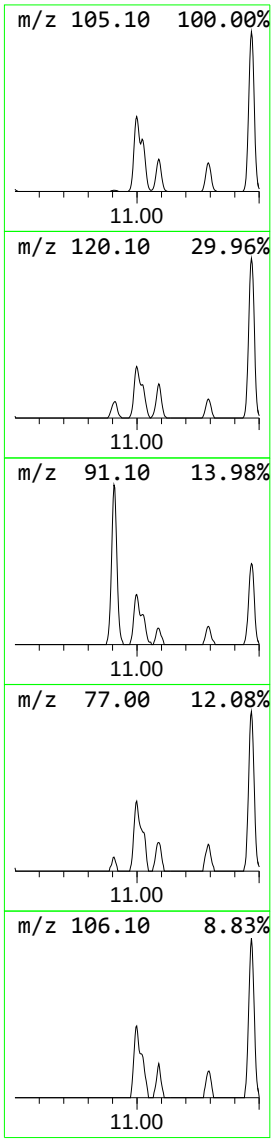
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.999	1.29 ug/L	70670	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

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

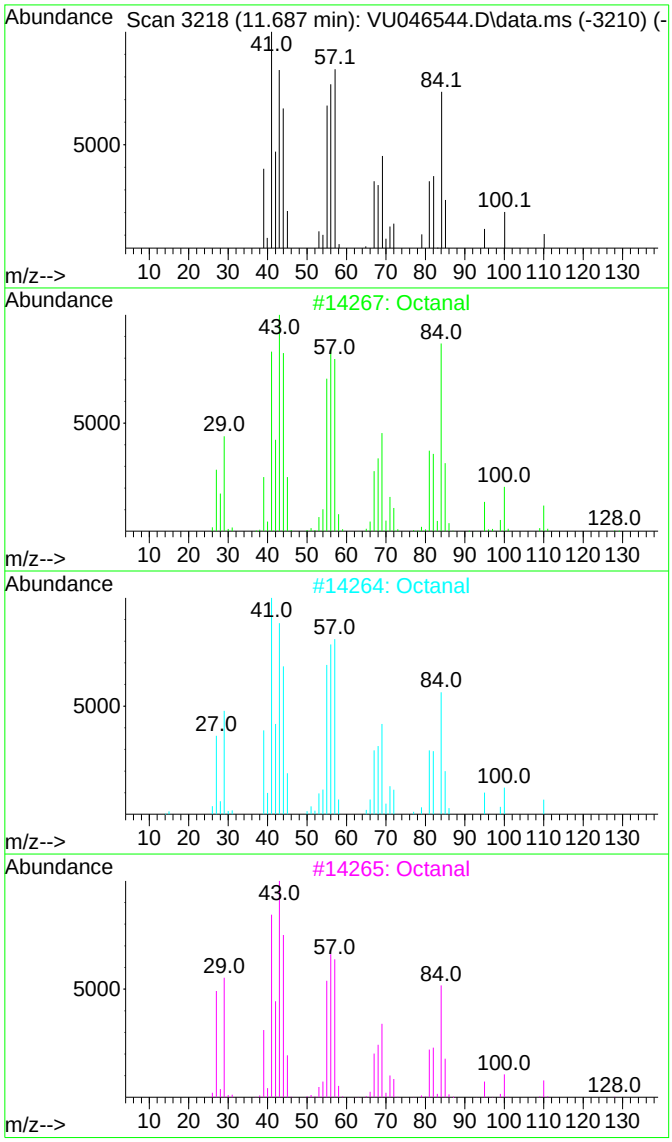
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

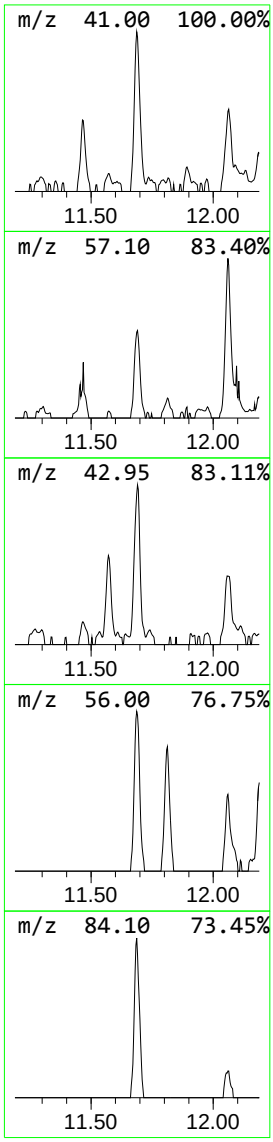
****

Peak Number 6 Octanal Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.687	0.66 ug/L	35997	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	87
3	Octanal	128	C8H16O	000124-13-0	78
4	Octanal	128	C8H16O	000124-13-0	78
5	Octanal	128	C8H16O	000124-13-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

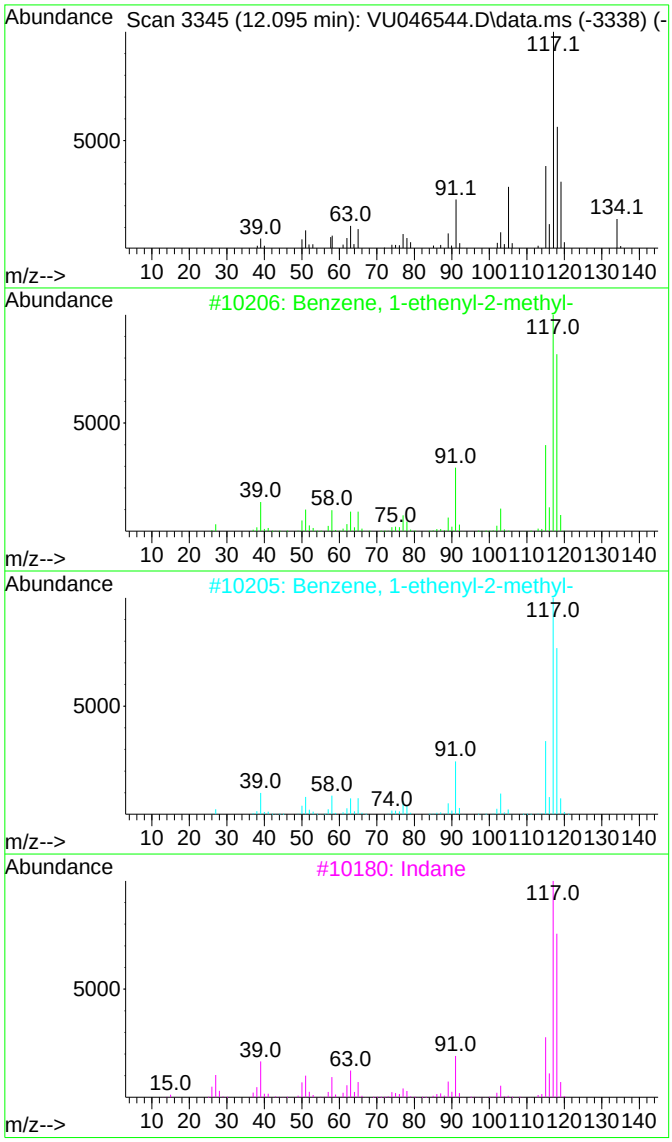
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

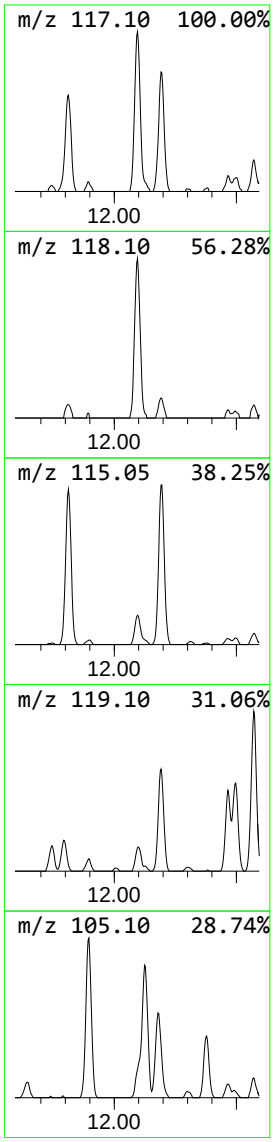
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.095	1.10 ug/L	60276	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

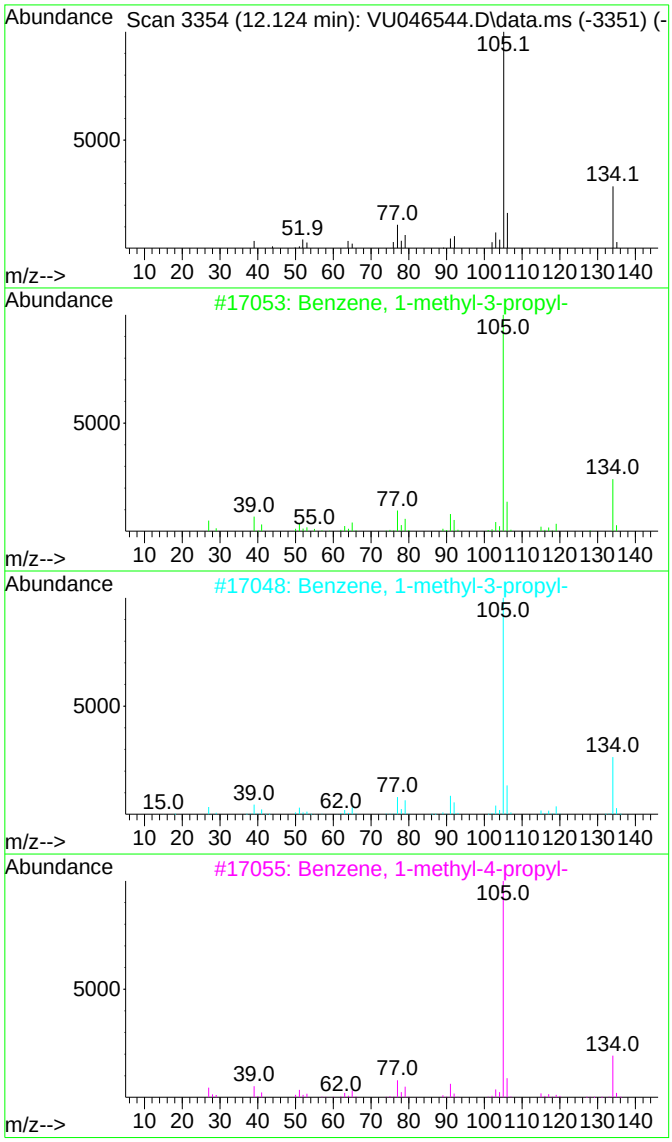
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

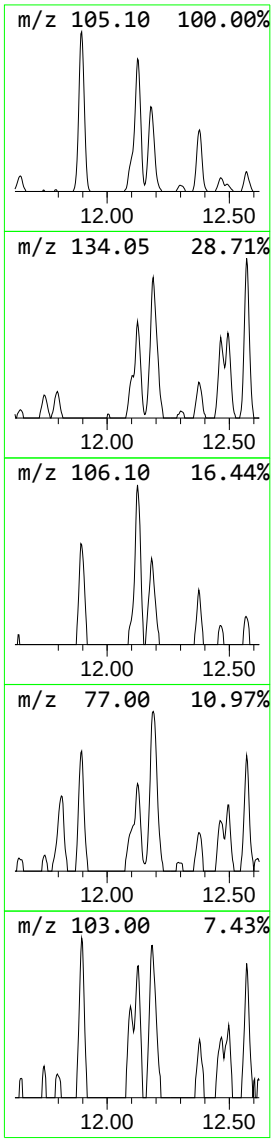
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-methyl-3-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.124	0.65 ug/L	35783	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	87
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
4	2-Indanol	134	C9H10O	004254-29-9	80
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

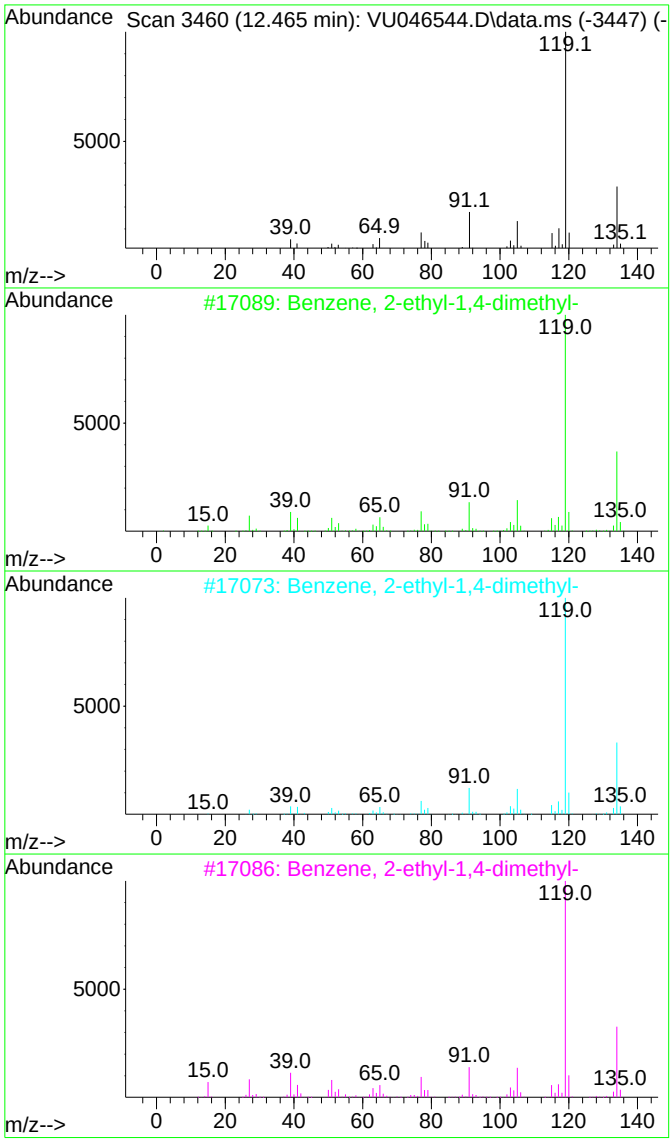
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

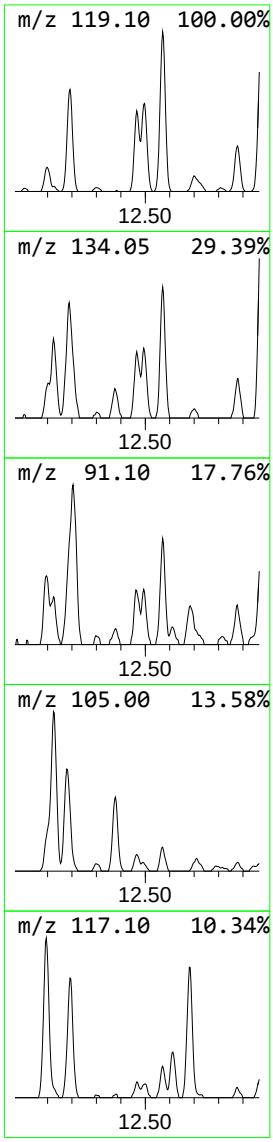
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.465	0.64 ug/L	34767	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	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

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

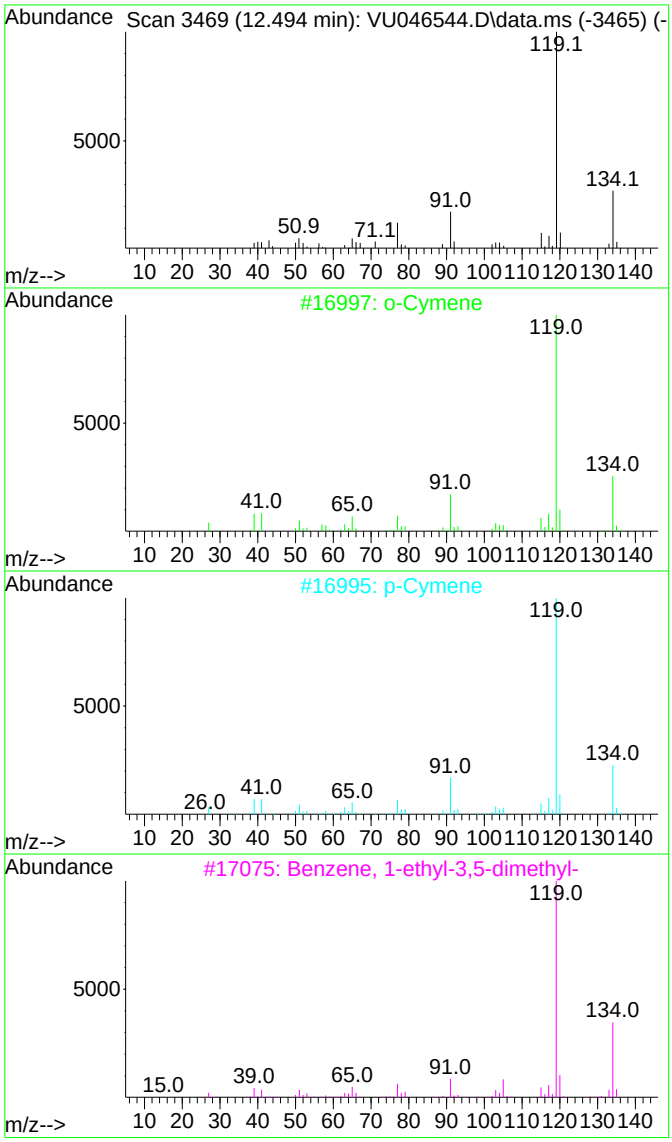
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

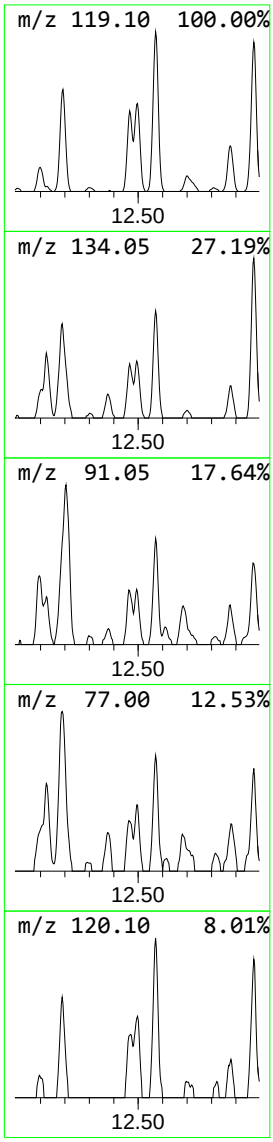
****

Peak Number 11 o-Cymene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.494	0.63 ug/L	34277	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

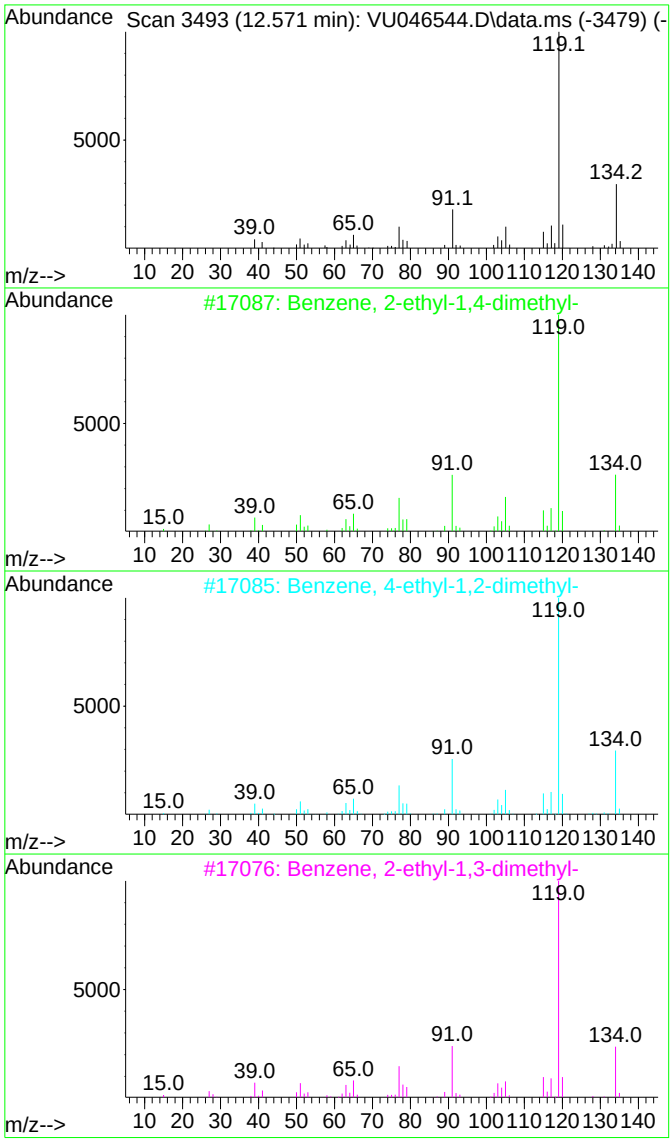
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

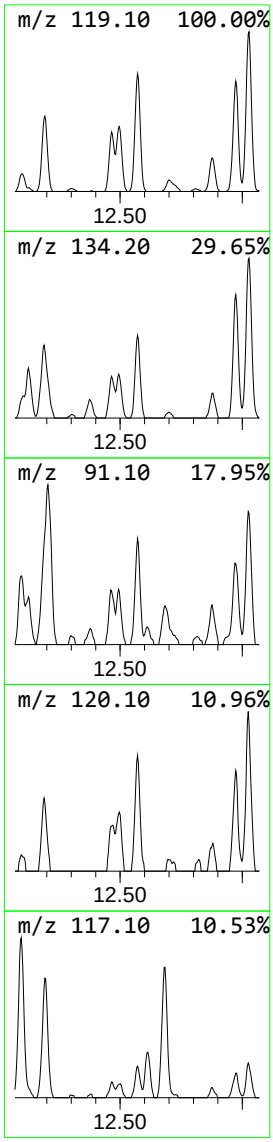
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.571	1.27 ug/L	69469	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	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

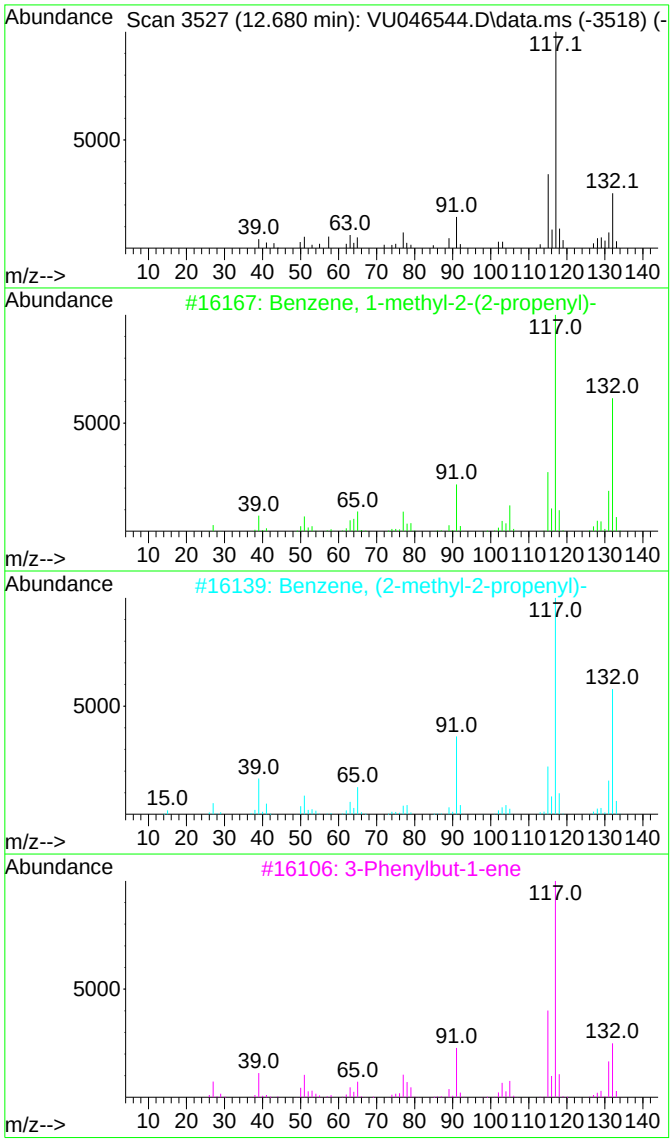
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

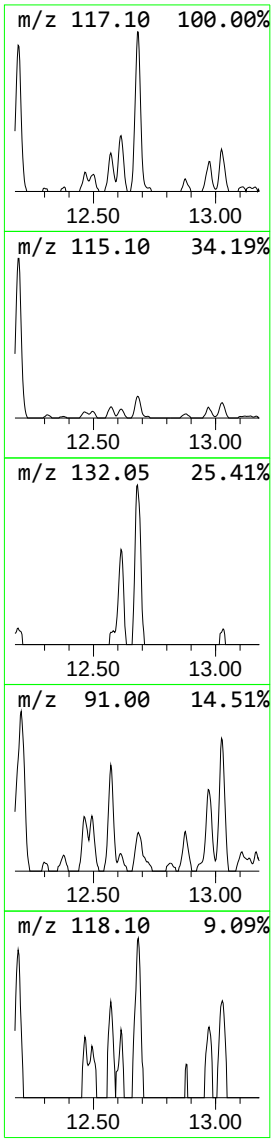
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-methyl-2-(2-prop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.680	0.76 ug/L	41472	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	87
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
4	Indan, 1-methyl-	132	C10H12	000767-58-8	74
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

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

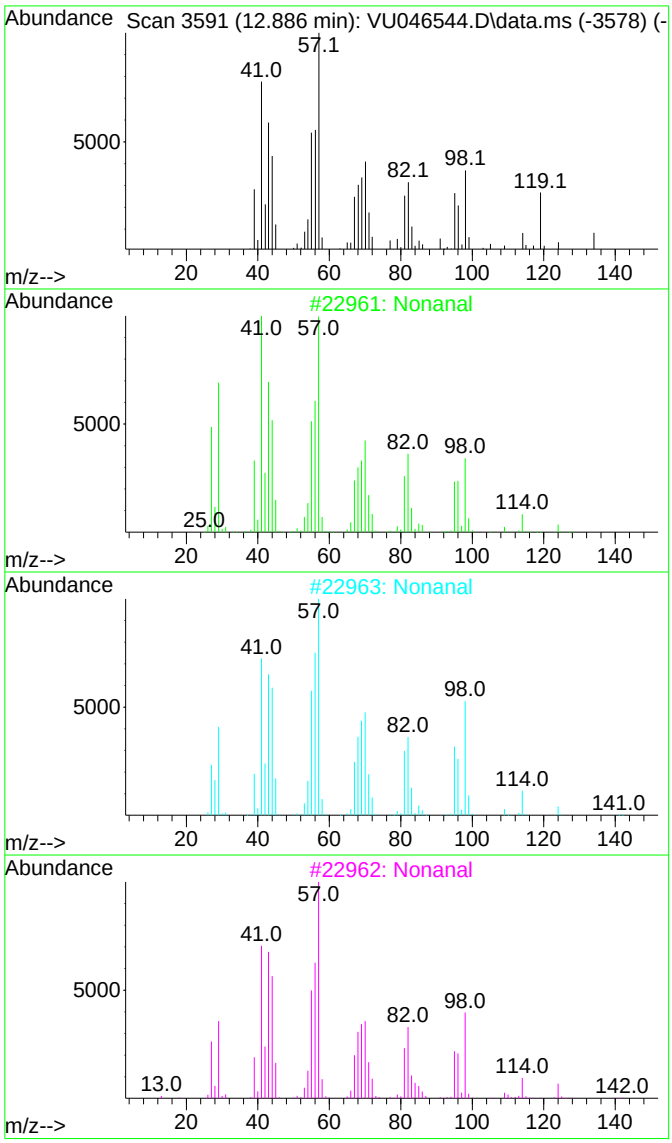
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

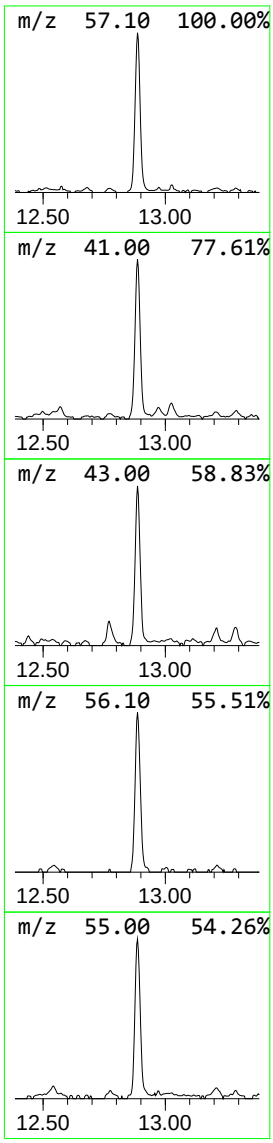
****

Peak Number 14 Nonanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.886	3.13 ug/L	171263	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	90
2	Nonanal	142	C9H18O	000124-19-6	90
3	Nonanal	142	C9H18O	000124-19-6	72
4	Cyclohexanol, 2-methyl-, cis-	114	C7H14O	007443-70-1	30
5	Heptane, 4-chloro-	134	C7H15Cl	000998-95-8	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

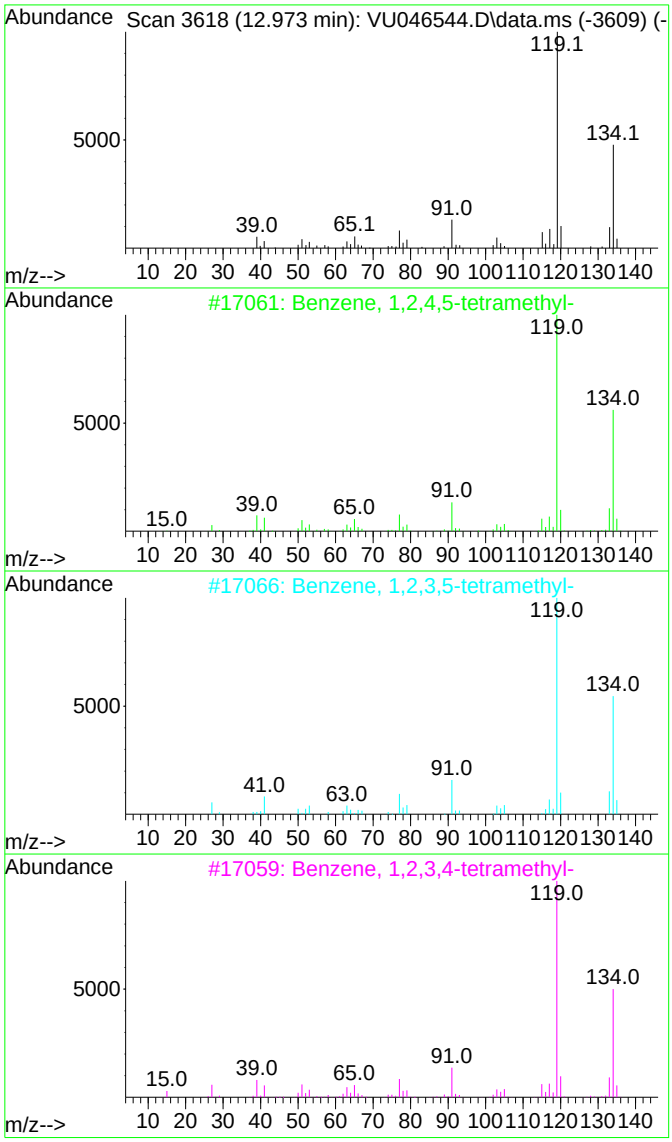
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

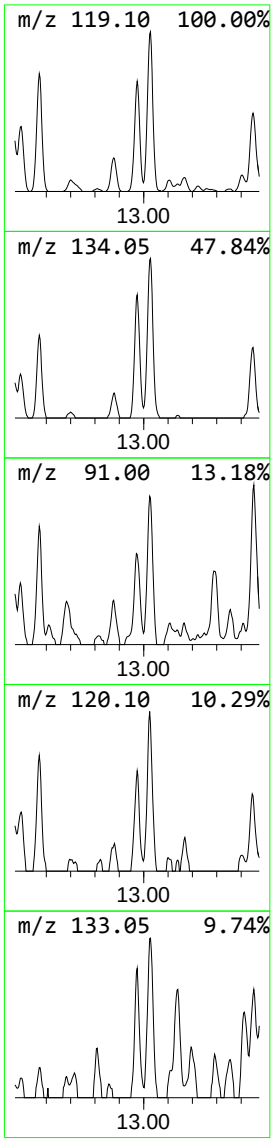
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.973	1.11 ug/L	60801	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

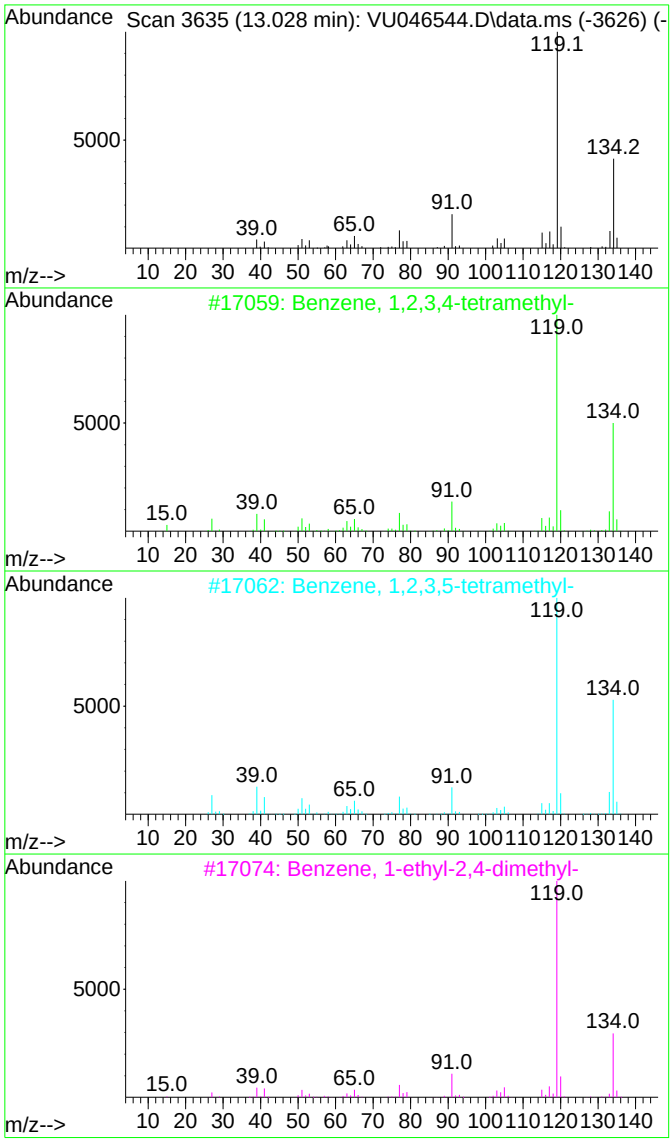
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

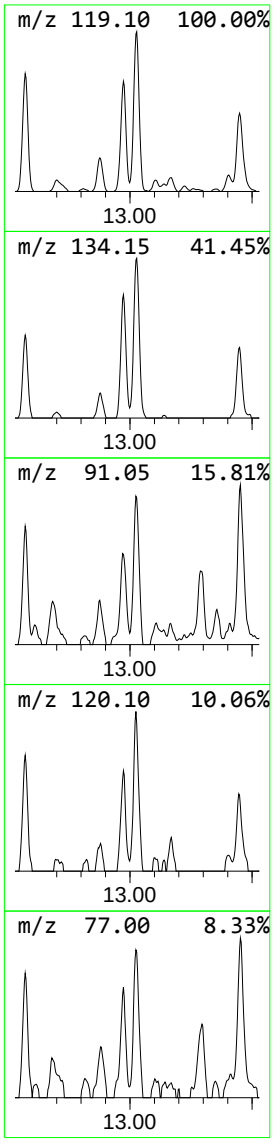
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.028	1.77 ug/L	96790	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

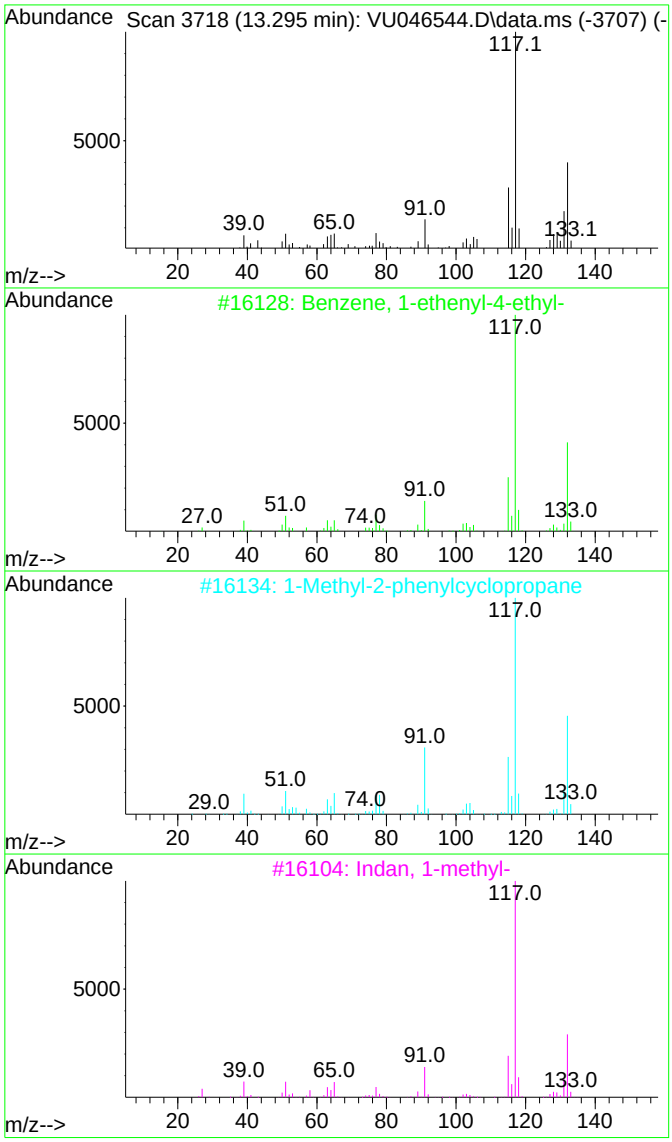
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

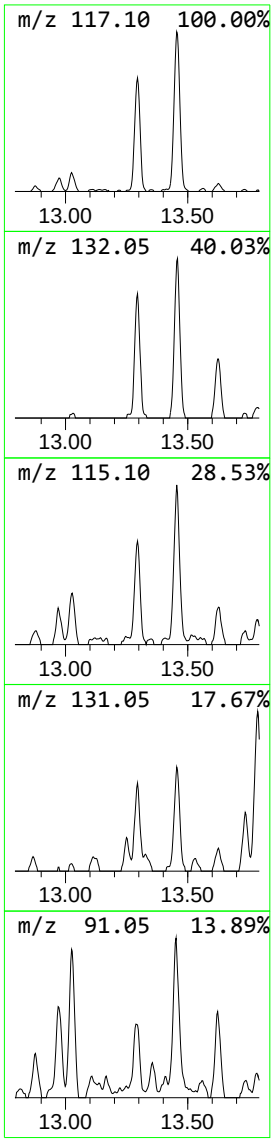
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.294	1.26 ug/L	68812	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	93
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	91
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

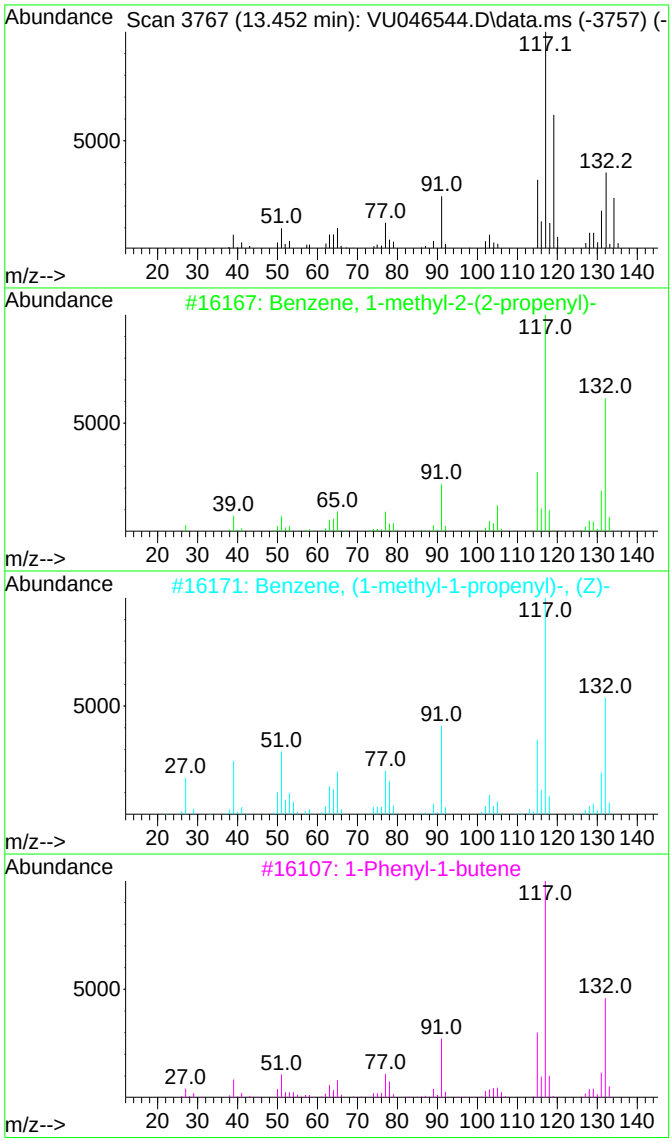
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

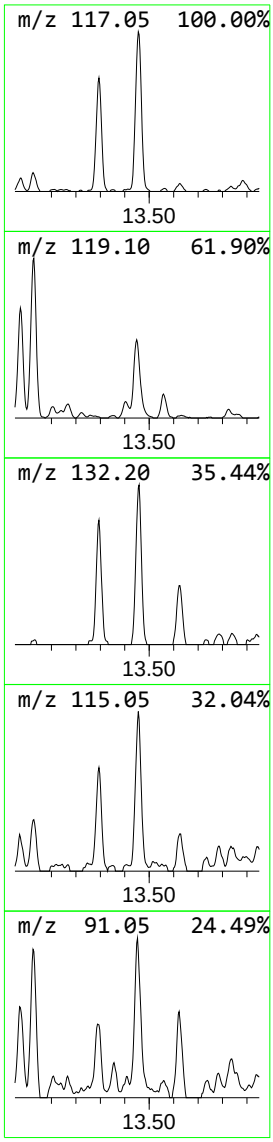
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.452	2.35 ug/L	128276	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	000767-99-7	64
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	62
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	62
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

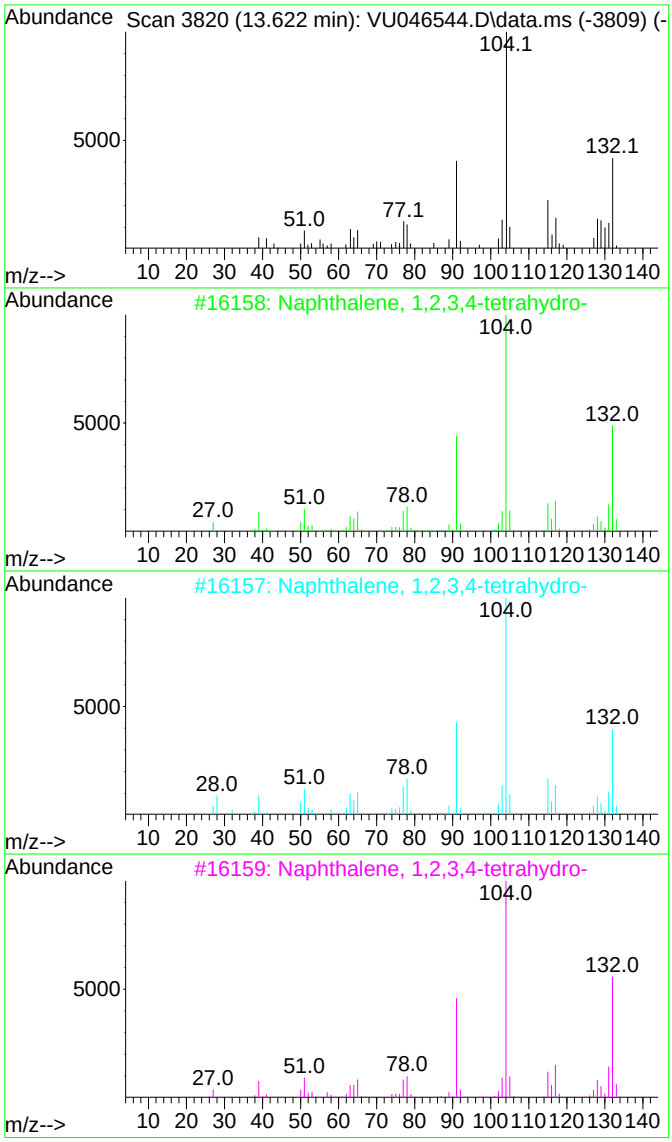
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

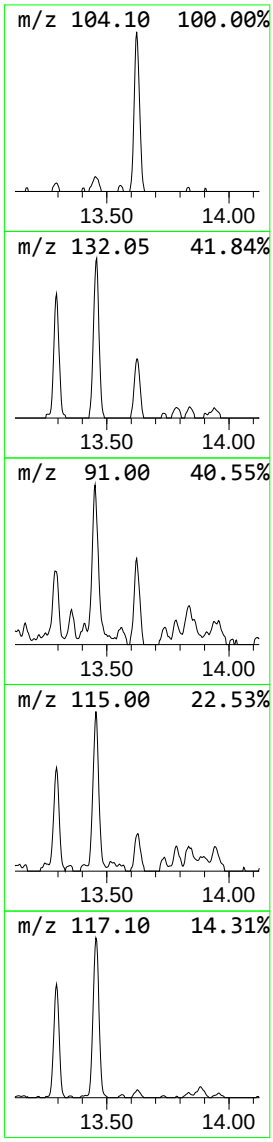
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	0.71 ug/L	38762	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	89
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

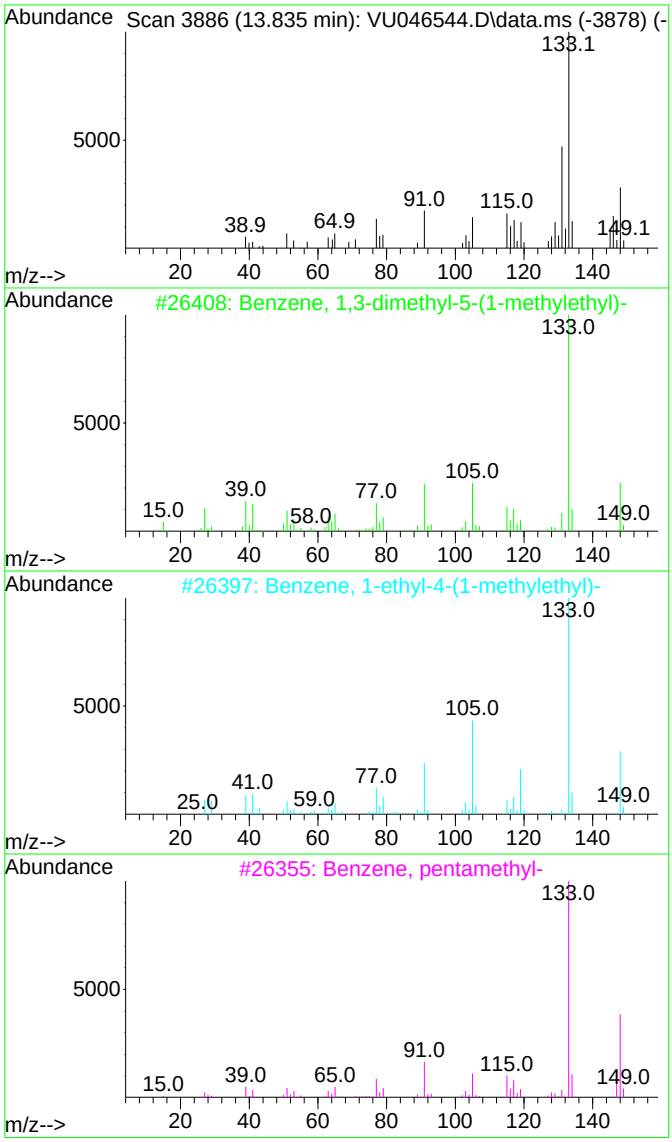
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

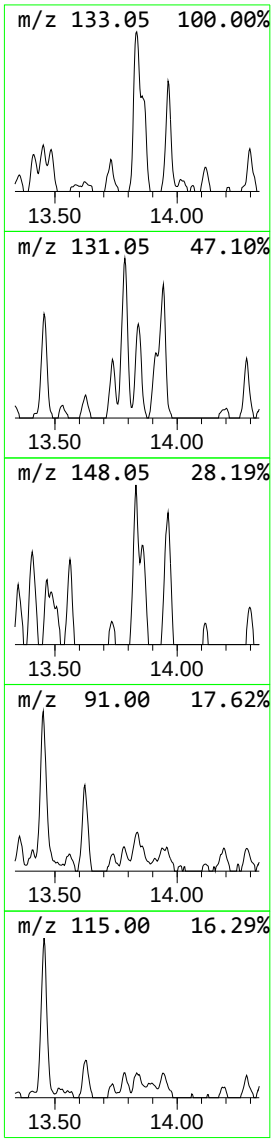
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.835	0.54 ug/L	29620	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	58
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	52
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

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

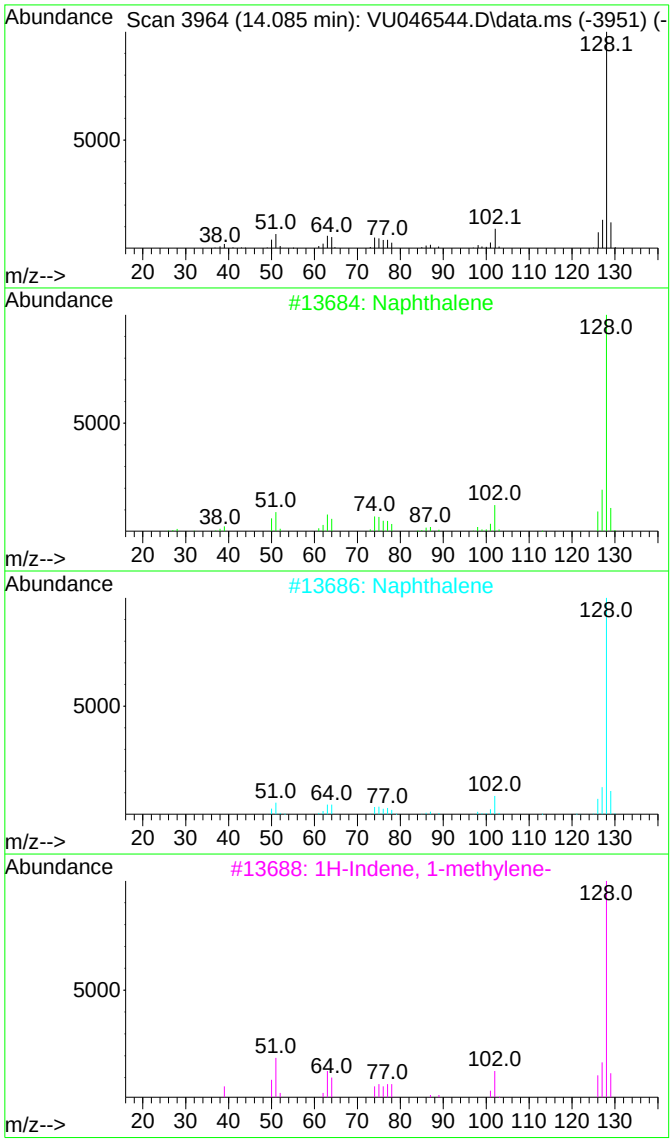
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

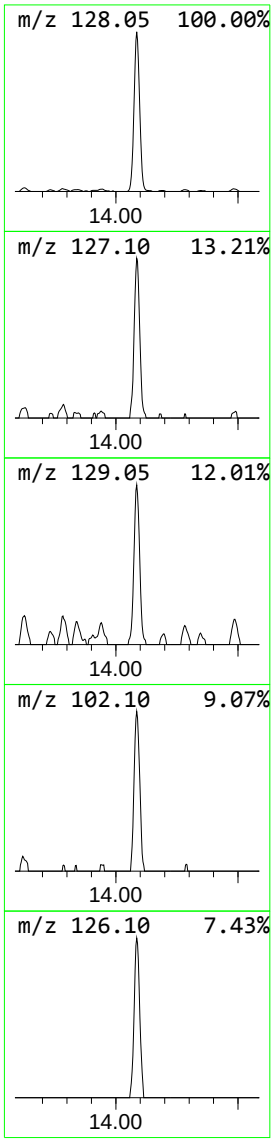
****

Peak Number 21 Azulene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.086	2.03 ug/L	110765	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	97
2	Naphthalene	128	C10H8	000091-20-3	95
3	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	95
4	Azulene	128	C10H8	000275-51-4	94
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

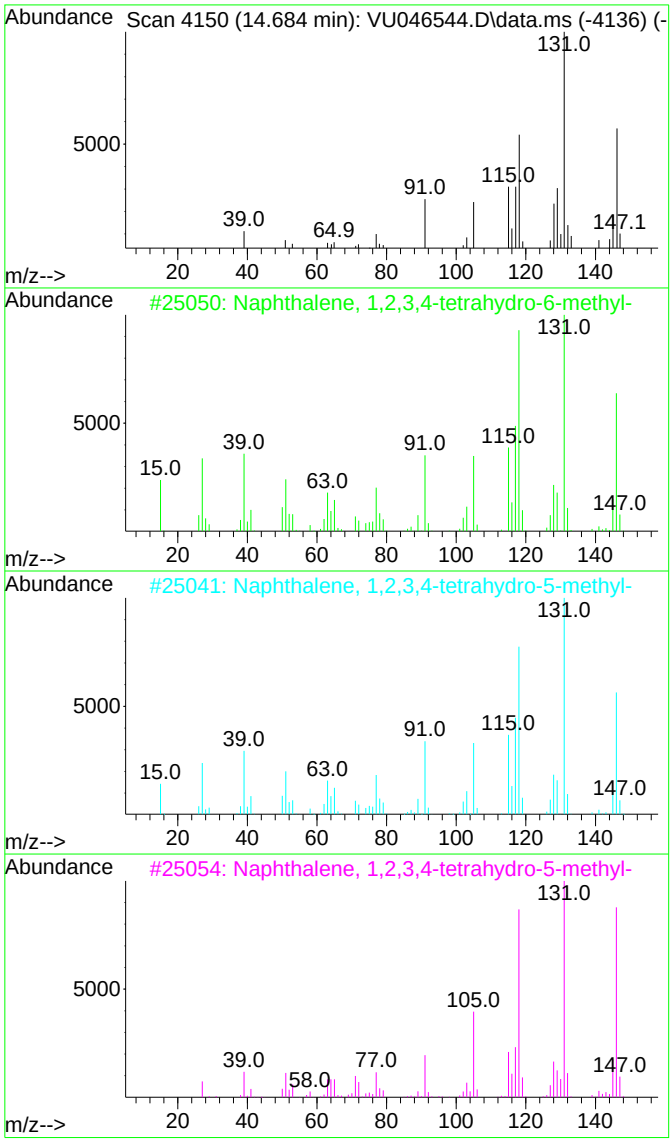
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

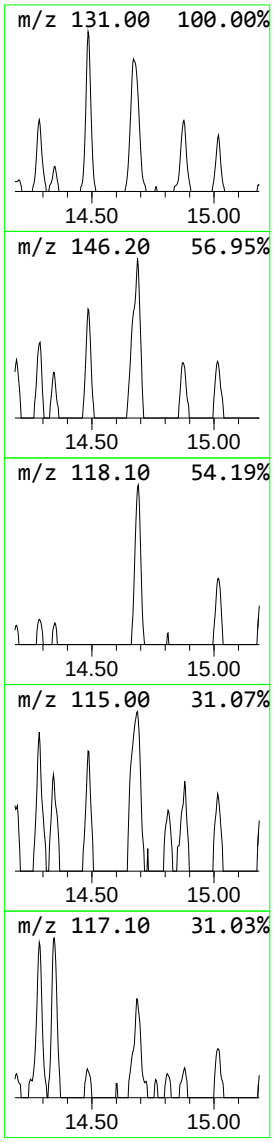
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	0.59 ug/L	32445	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	87
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	87
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

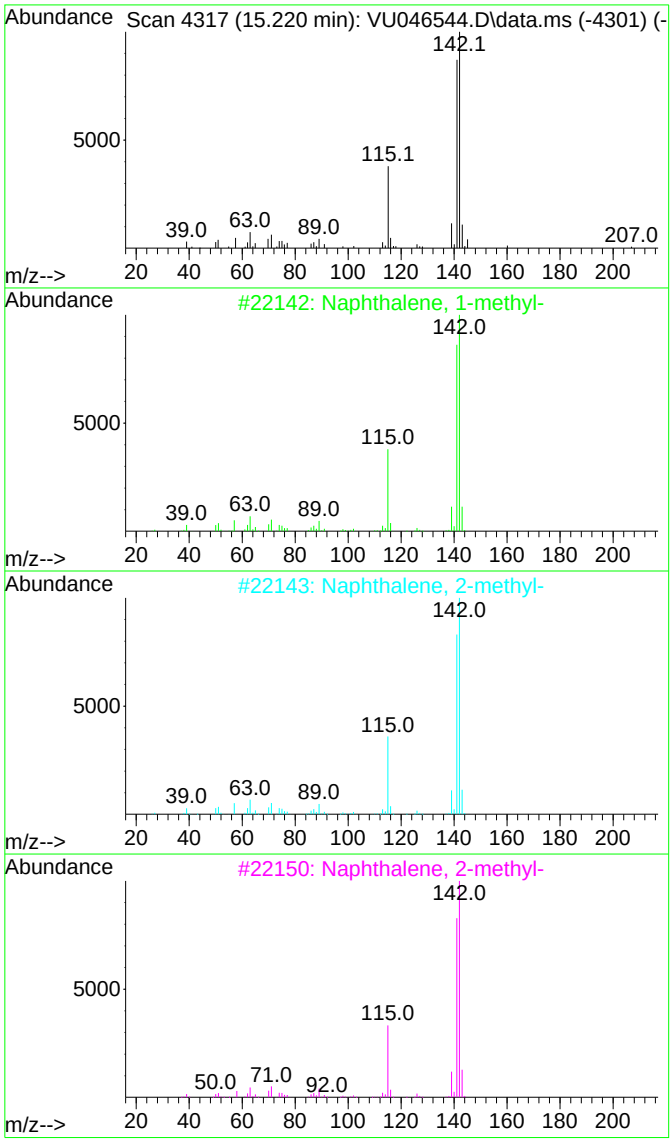
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

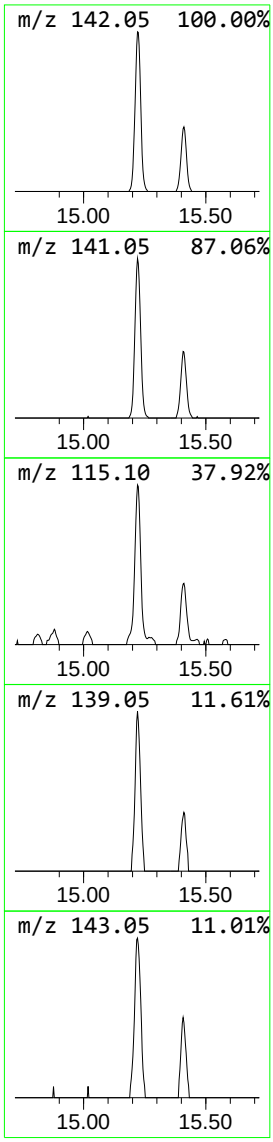
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.220	1.42 ug/L	77691	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	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

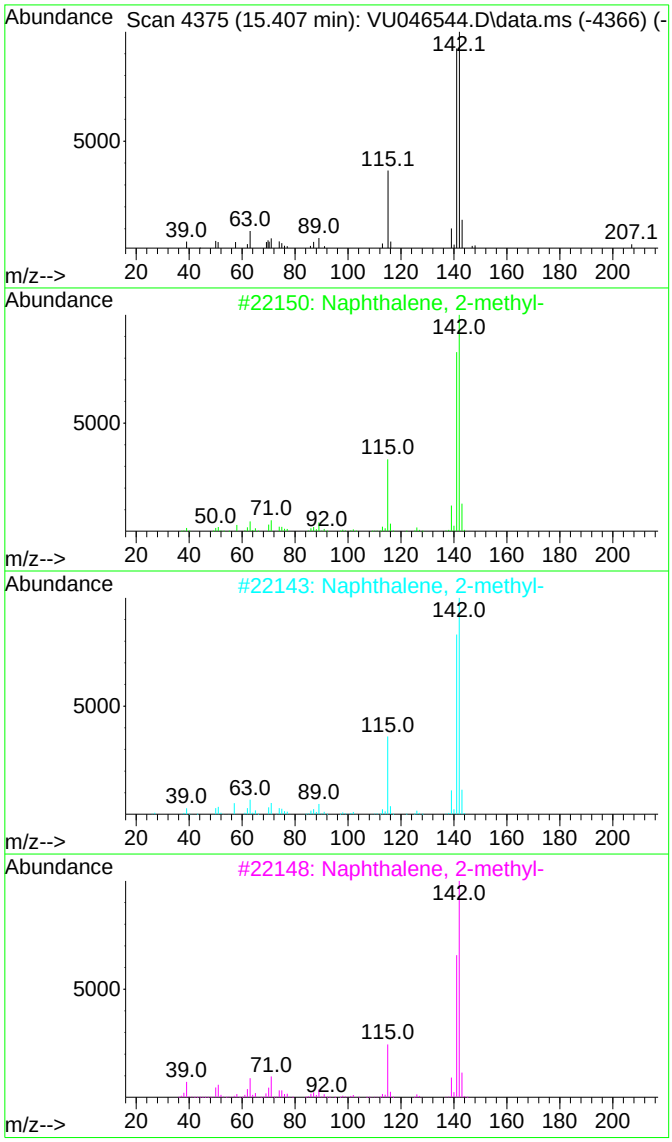
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0

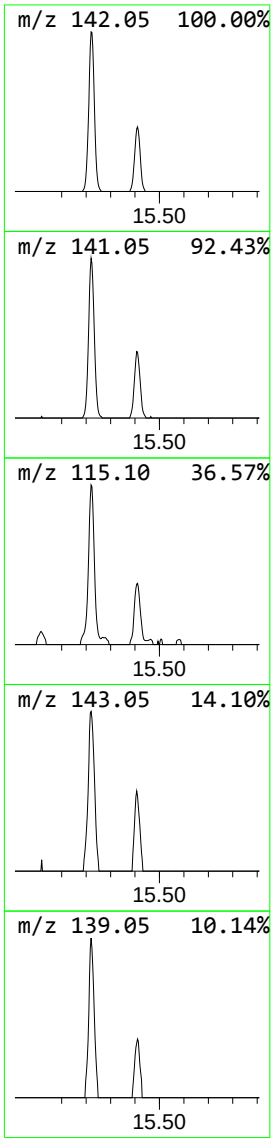
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Naphthalene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.407	0.51 ug/L	27945	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
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\VU122121\
Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 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	3.0	ug/L	119574	1	6.253	195936	5.0
(DEL) Alkane: S...	1.494	1.4	ug/L	55212	1	6.253	195936	5.0
(DEL) Alkane: S...	2.002	0.8	ug/L	30430	1	6.253	195936	5.0
Benzene, 1-ethy...	10.999	1.3	ug/L	70670	3	11.812	273306	5.0
Octanal	11.687	0.7	ug/L	35997	3	11.812	273306	5.0
Benzene, 1-ethe...	12.095	1.1	ug/L	60276	3	11.812	273306	5.0
Benzene, 1-meth...	12.124	0.7	ug/L	35783	3	11.812	273306	5.0
Benzene, 4-ethy...	12.465	0.6	ug/L	34767	3	11.812	273306	5.0
o-Cymene	12.494	0.6	ug/L	34277	3	11.812	273306	5.0
Benzene, 2-ethy...	12.571	1.3	ug/L	69469	3	11.812	273306	5.0
Benzene, 1-meth...	12.680	0.8	ug/L	41472	3	11.812	273306	5.0
Nonanal	12.886	3.1	ug/L	171263	3	11.812	273306	5.0
Benzene, 1,2,4,...	12.973	1.1	ug/L	60801	3	11.812	273306	5.0
Benzene, 1,2,3,...	13.028	1.8	ug/L	96790	3	11.812	273306	5.0
Benzene, 1-ethe...	13.294	1.3	ug/L	68812	3	11.812	273306	5.0
Benzene, (1-met...	13.452	2.4	ug/L	128276	3	11.812	273306	5.0
Naphthalene, 1,...	13.623	0.7	ug/L	38762	3	11.812	273306	5.0
Benzene, 1,3-di...	13.835	0.5	ug/L	29620	3	11.812	273306	5.0
Azulene	14.086	2.0	ug/L	110765	3	11.812	273306	5.0
Naphthalene, 1,...	14.684	0.6	ug/L	32445	3	11.812	273306	5.0
Naphthalene, 1-...	15.220	1.4	ug/L	77691	3	11.812	273306	5.0
Naphthalene, 2-...	15.407	0.5	ug/L	27945	3	11.812	273306	5.0