LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

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_V\Method\SFAMVTR032323WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV030365.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.089	11	15	18	rBV	24121	22377	4.23%	0.294%
2	1.114	18	23	44	rVB	246886	305004	57.65%	4.007%
3	1.191	44	47	53	rVB2	10597	8911	1.68%	0.117%
4	1.278	65	74	87	rVB2	83136	136633	25.83%	1.795%
5	1.388	101	108	119	rVB	65318	75677	14.30%	0.994%
6	1.442	120	125	131	rVB	10014	9737	1.84%	0.128%
7	1.539	148	155	168	rVB	54061	68274	12.91%	0.897%
8	1.674	193	197	206	rVB2	5952	8536	1.61%	0.112%
9	1.773	224	228	242	rVB2	5448	8811	1.67%	0.116%
10	1.915	266	272	284	rVB3	11752	17558	3.32%	0.231%
11	2.066	308	319	335	rBV	95322	141847	26.81%	1.863%
12	2.899	576	578	590	rVB	3545	5383	1.02%	0.071%
13	3.220	660	678	697	rBV2	112051	263046	49.72%	3.455%
14	3.825	851	866	900	rBV2	68877	280932	53.10%	3.690%
15	4.269	985	1004	1030	rBV	90667	250681	47.38%	3.293%
16	4.600	1092	1107	1119	rBV	8730	23546	4.45%	0.309%
17	4.969	1204	1222	1251	rBV2	187614	503564	95.18%	6.615%
18	5.545	1387	1401	1425	rBV	149168	320926	60.66%	4.216%
19	6.002	1526	1543	1556	rBV	117965	253742	47.96%	3.333%
20	6.924	1818	1830	1850	rBV	48677	95598	18.07%	1.256%
21	7.252	1920	1932	1948	rBV	200519	359562	67.96%	4.723%
22	7.564	2019	2029	2049	rBV2	31080	61291	11.59%	0.805%
23	7.879	2114	2127	2135	rBV4	10769	21895	4.14%	0.288%
24	8.037	2165	2176	2207	rBV	253243	514764	97.30%	6.762%
25	8.175	2209	2219	2233	rVV4	14418	36116	6.83%	0.474%
26	8.796	2401	2412	2415	rBV	237333	345864	65.38%	4.543%
27	8.821	2417	2420	2444	rVB	263857	382829	72.36%	5.029%
28	9.021	2470	2482	2483	rBV6	5588	8167	1.54%	0.107%
29	9.079	2491	2500	2515	rVB5	23641	49053	9.27%	0.644%
30	9.175	2521	2530	2535	rBV5	3618	6817	1.29%	0.090%
31	9.490	2619	2628	2639	rVB2	15072	26103	4.93%	0.343%
32	9.754	2705	2710	2720	rVB2	3784	5553	1.05%	0.073%
33	9.876	2737	2748	2761	rBV	67580	109432	20.68%	1.438%
34	9.950	2761	2771	2780	rBV	5071	9468	1.79%	0.124%
35	10.040	2786	2799	2801	rBV	3924	7925	1.50%	0.104%
36	10.082	2804	2812	2818	rVV8	13675	25988	4.91%	0.341%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

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_V\Method\SFAMVTR032323WMA.M
Title : TRACE VOA SFAM1.0

37	10.130	2819	2827	2829	rVV7	15345	24250	4.58%	0.319%
38	10.162	2829	2837	2848	rVB	92351	148370	28.04%	1.949%
39	10.345	2884	2894	2904	rBV4	38333	82981	15.69%	1.090%
40	10.397	2906	2910	2922	rVB5	26756	40307	7.62%	0.529%
41	10.513	2931	2946	2964	rVB2	164797	296456	56.04%	3.894%
42	10.683	2990	2999	3007	rBV	21025	33337	6.30%	0.438%
43	10.808	3029	3038	3049	rBV	24800	41221	7.79%	0.541%
44	10.998	3092	3097	3100	rBV5	7006	8140	1.54%	0.107%
45	11.034	3102	3108	3118	rVB	24095	38183	7.22%	0.502%
46	11.130	3130	3138	3146	rBV10	9679	17306	3.27%	0.227%
47	11.194	3146	3158	3179	rVB	277740	460994	87.14%	6.056%
48	11.349	3194	3206	3215	rBV9	19171	41920	7.92%	0.551%
49	11.400	3215	3222	3230	rVV2	21373	29900	5.65%	0.393%
50	11.474	3235	3245	3261	rVV	309021	529044	100.00%	6.950%
51	11.570	3263	3275	3292	rVB	264409	448318	84.74%	5.889%
52	11.693	3304	3313	3321	rBV	23475	36606	6.92%	0.481%
53	11.966	3389	3398	3403	rBV	29082	45886	8.67%	0.603%
54	12.062	3420	3428	3441	rBV2	40310	61420	11.61%	0.807%
55	12.242	3476	3484	3492	rBV2	13993	21636	4.09%	0.284%
56	12.358	3513	3520	3529	rVB	38998	55847	10.56%	0.734%
57	12.413	3531	3537	3541	rBV7	5632	7196	1.36%	0.095%
58	12.496	3559	3563	3574	rVB7	8827	11446	2.16%	0.150%
59	12.612	3589	3599	3609	rBV6	20467	37329	7.06%	0.490%
60	12.673	3612	3618	3626	rVB2	11019	16082	3.04%	0.211%
61	12.828	3653	3666	3677	rBV2	56764	100537	19.00%	1.321%
62	13.059	3732	3738	3746	rBV2	5837	9754	1.84%	0.128%
63	13.162	3765	3770	3778	rVB3	8013	11977	2.26%	0.157%
64	13.220	3779	3788	3797	rBV8	10168	18289	3.46%	0.240%
65	13.432	3848	3854	3856	rBV6	6560	6725	1.27%	0.088%
66	13.609	3901	3909	3913	rBV8	5950	8826	1.67%	0.116%
67	13.715	3934	3942	3952	rVB8	8431	16135	3.05%	0.212%
68	13.863	3977	3988	3999	rBV8	10459	22534	4.26%	0.296%
69	14.040	4036	4043	4046	rBV8	6111	7886	1.49%	0.104%
70	14.242	4098	4106	4112	rBV8	7145	11238	2.12%	0.148%
71	14.519	4185	4192	4198	rBV10	5439	6991	1.32%	0.092%
72	14.770	4261	4270	4278	rBV10	7332	12356	2.34%	0.162%
73	15.757	4572	4577	4585	rVB9	4865	7070	1.34%	0.093%
74	16.136	4686	4695	4699	rBV10	5174	8616	1.63%	0.113%
75	16.262	4728	4734	4742	rVB4	11889	16492	3.12%	0.217%
76	16.403	4770	4778	4780	rBV6	7746	10662	2.02%	0.140%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

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_V\Method\SFAMVTR032323WMA.M
Title : TRACE VOA SFAM1.0

77	16.429	4782	4786	4801	rVB4	18560	30605	5.78%	0.402%

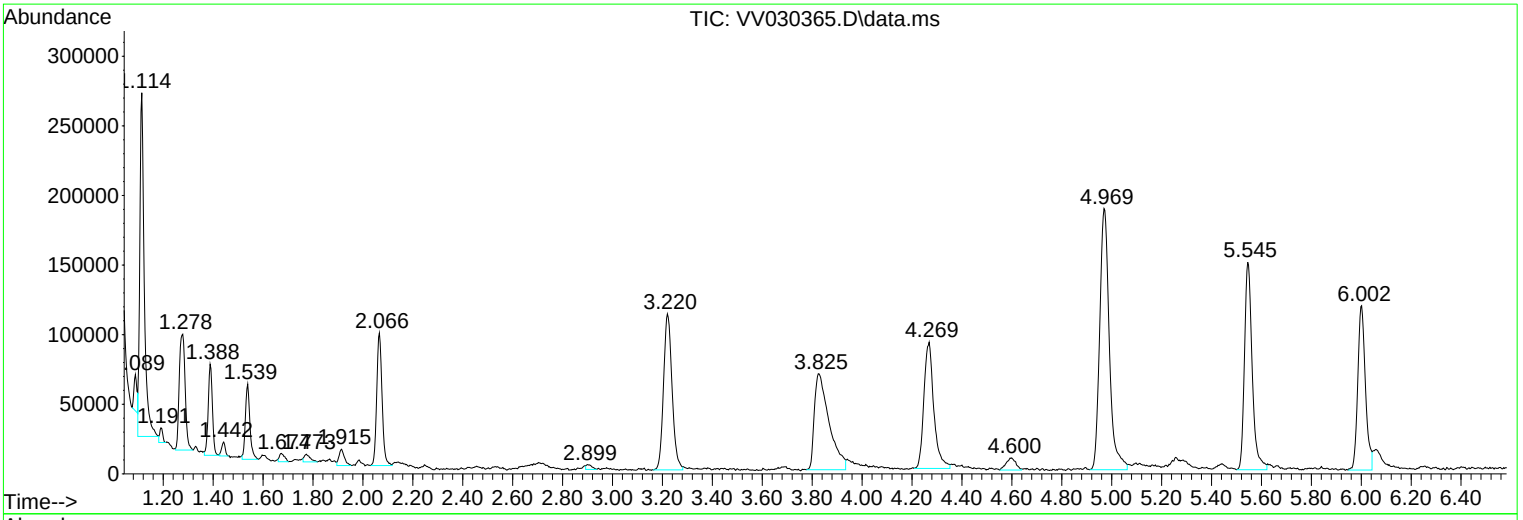
Sum of corrected areas: 7612478

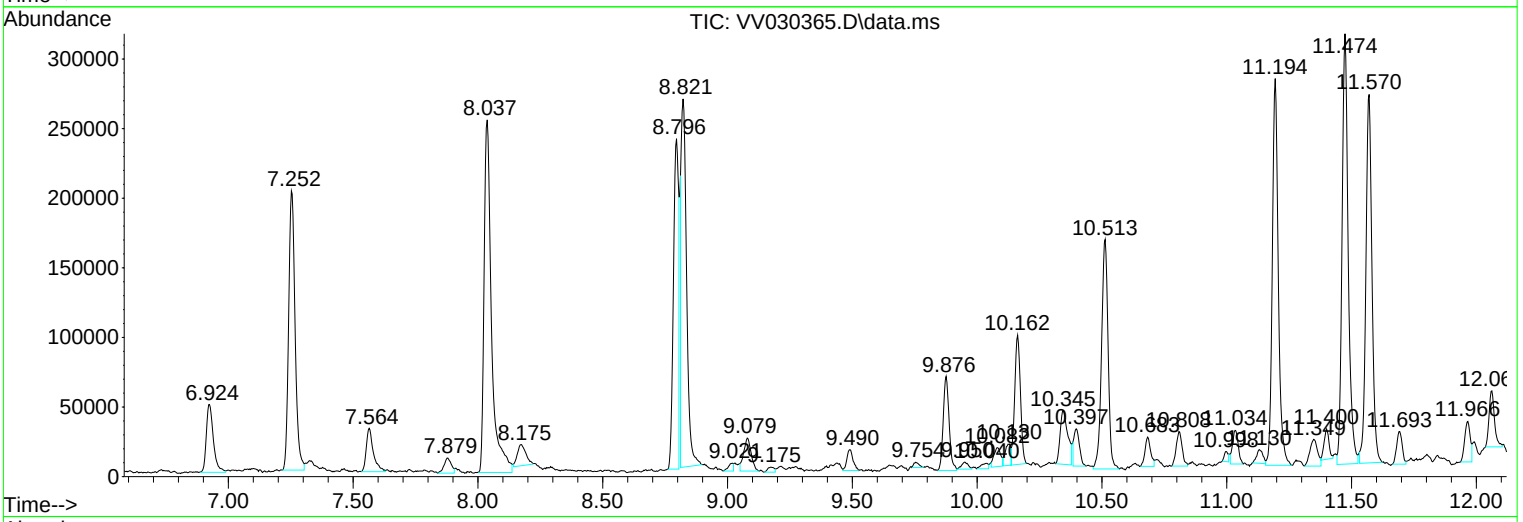
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

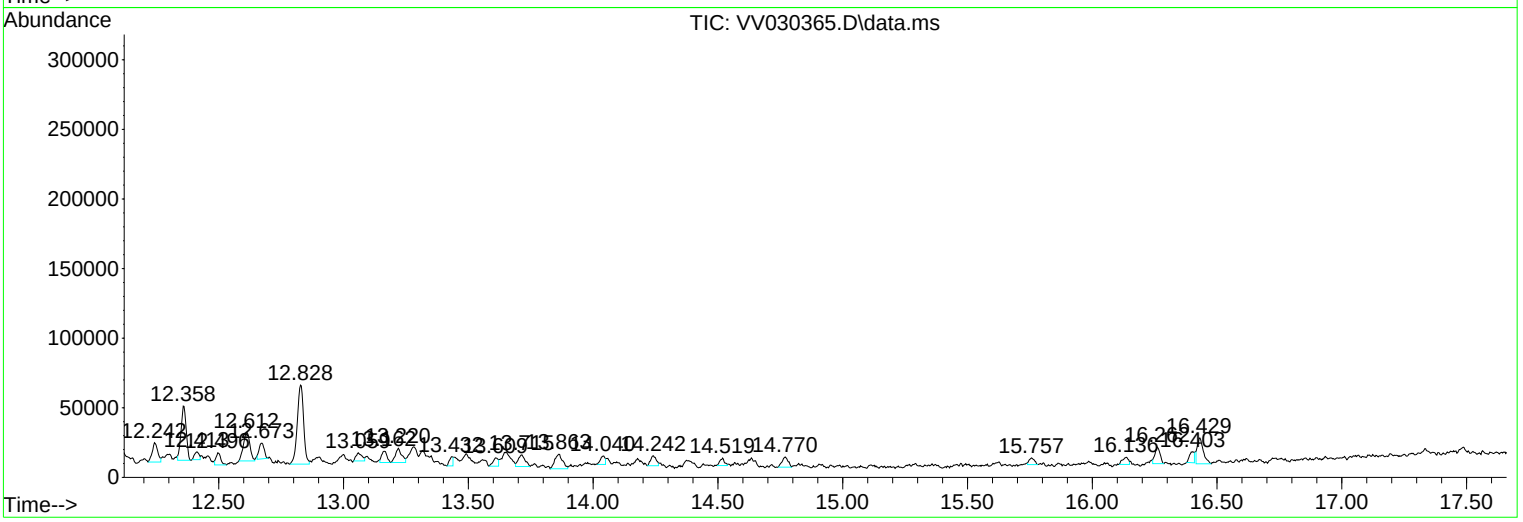
Instrument :
MSVOA_V
ClientSampleId :
CB9A4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0

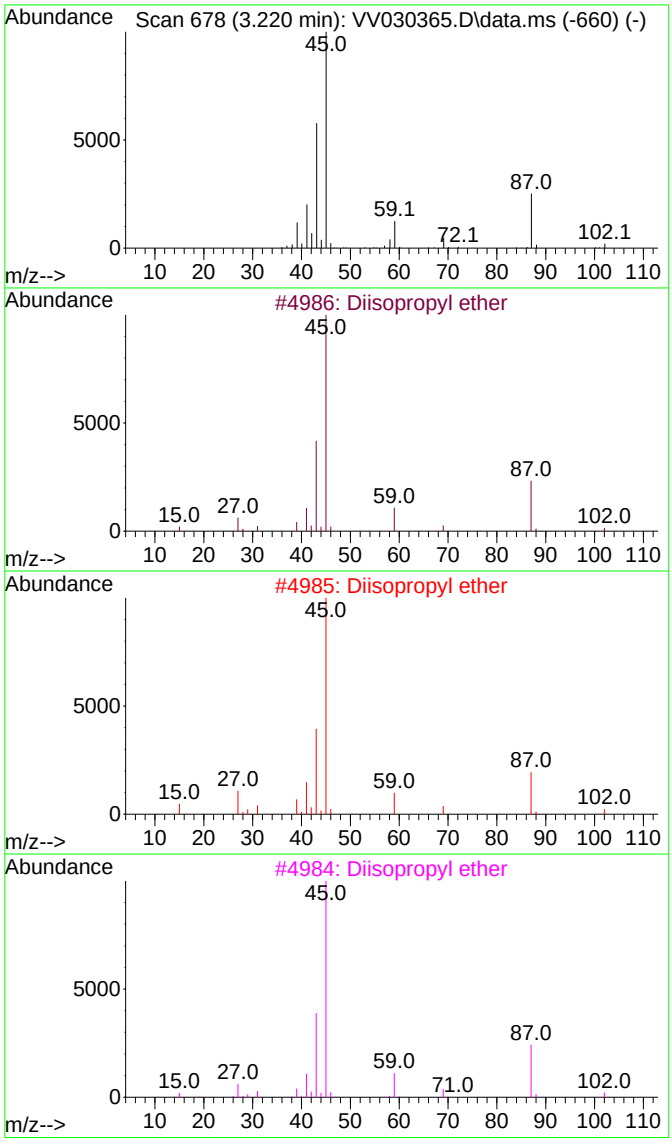
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

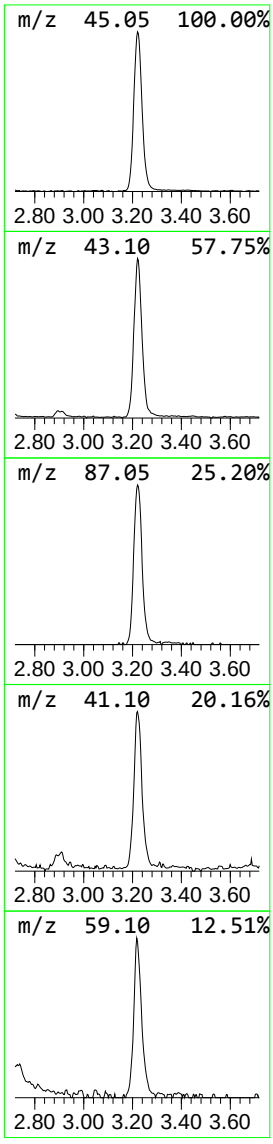
****

Peak Number 2 Diisopropyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.220	4.10 ug/L	263046	1,4-Difluorobenzene	5.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	86
2	Diisopropyl ether	102	C6H14O	000108-20-3	86
3	Diisopropyl ether	102	C6H14O	000108-20-3	86
4	Diisopropyl ether	102	C6H14O	000108-20-3	78
5	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

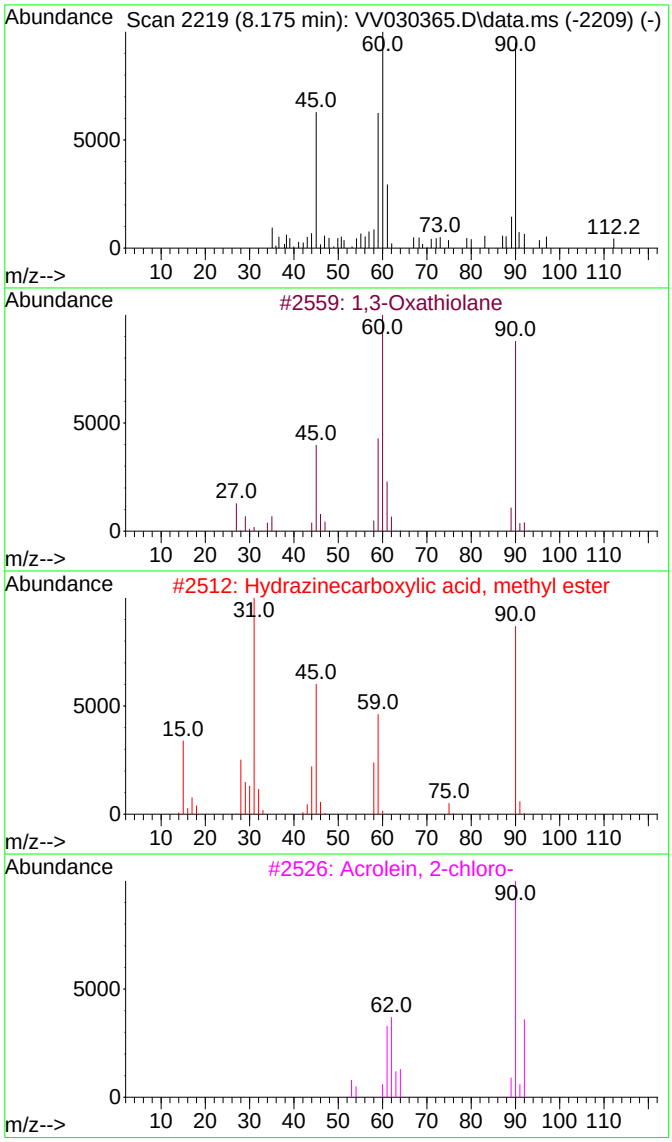
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0

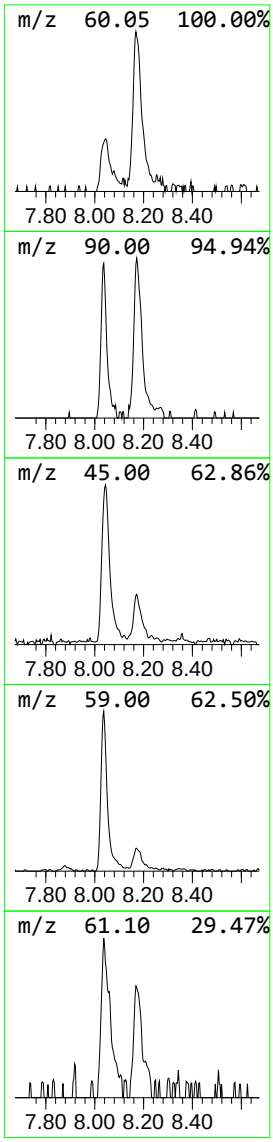
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,3-Oxathiolane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.175	0.52 ug/L	36116	Chlorobenzene-d5	8.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Oxathiolane	90	C3H6OS	002094-97-5	94
2	Hydrazinecarboxylic acid, methyl...	90	C2H6N2O2	006294-89-9	64
3	Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	59
4	1,3-Oxathiolane	90	C3H6OS	002094-97-5	50
5	Thiourea, methyl-	90	C2H6N2S	000598-52-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

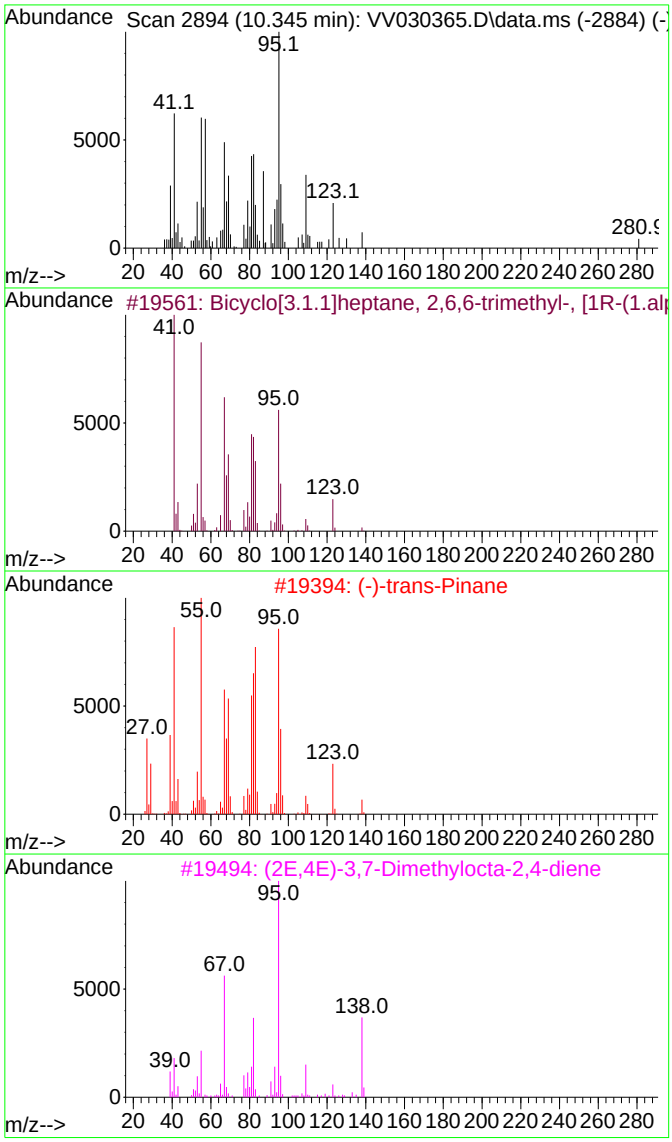
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0

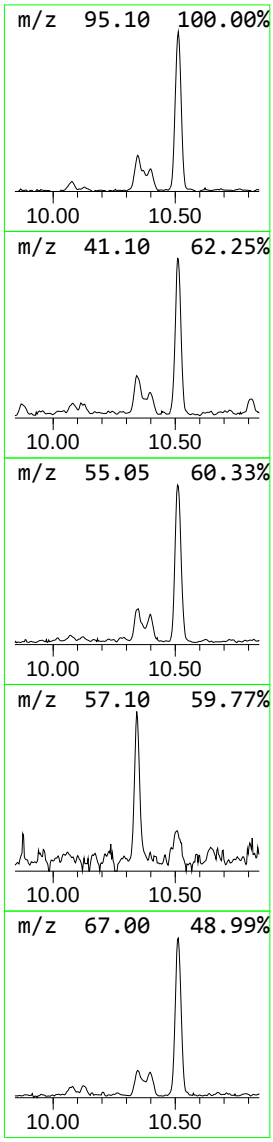
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.345	0.90 ug/L	82981	1,4-Dichlorobenzene-d4	11.194

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	62
2	(-)-trans-Pinane	138	C10H18	033626-25-4	53
3	(2E,4E)-3,7-Dimethylocta-2,4-diene	138	C10H18	006874-39-1	50
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	50
5	Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

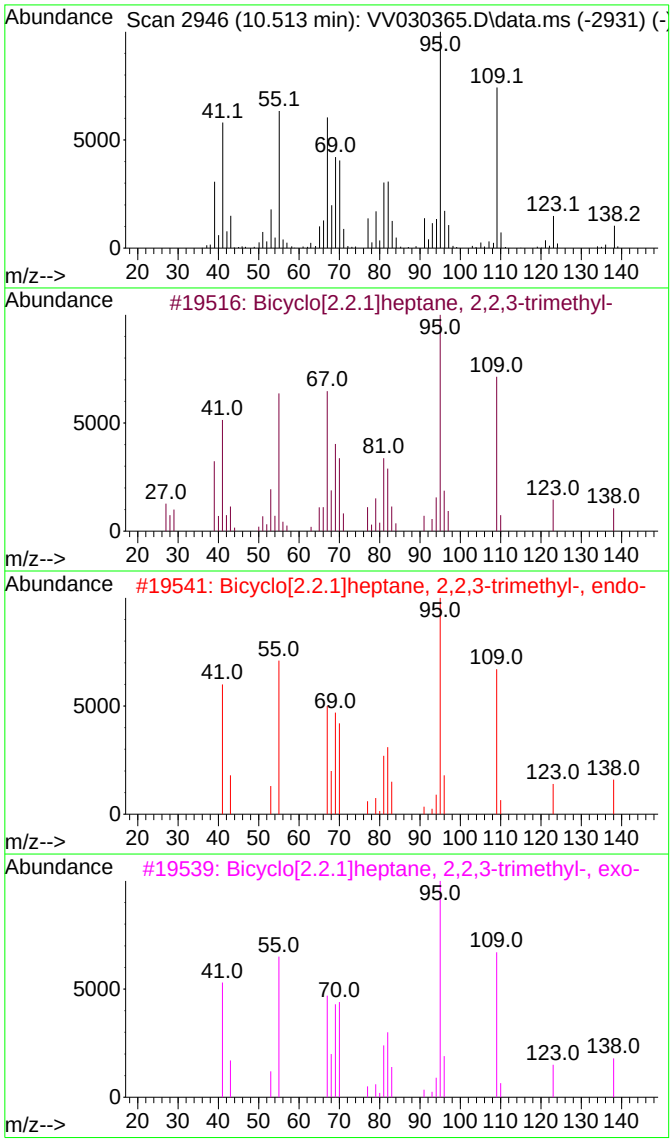
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0

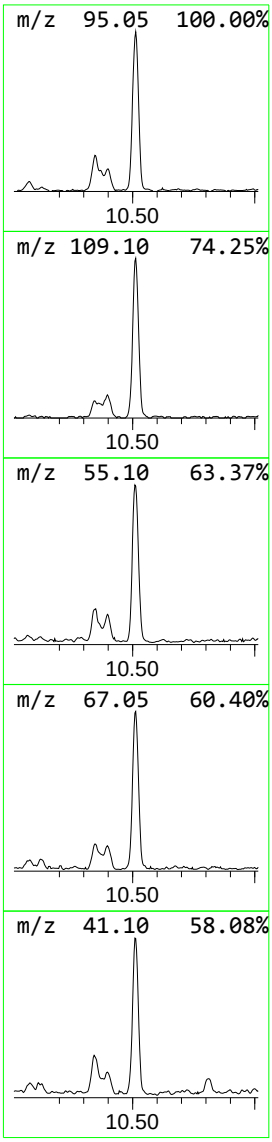
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.513	3.22 ug/L	296456	1,4-Dichlorobenzene-d4	11.194

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	98
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	97
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	76
4	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	60
5	Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0

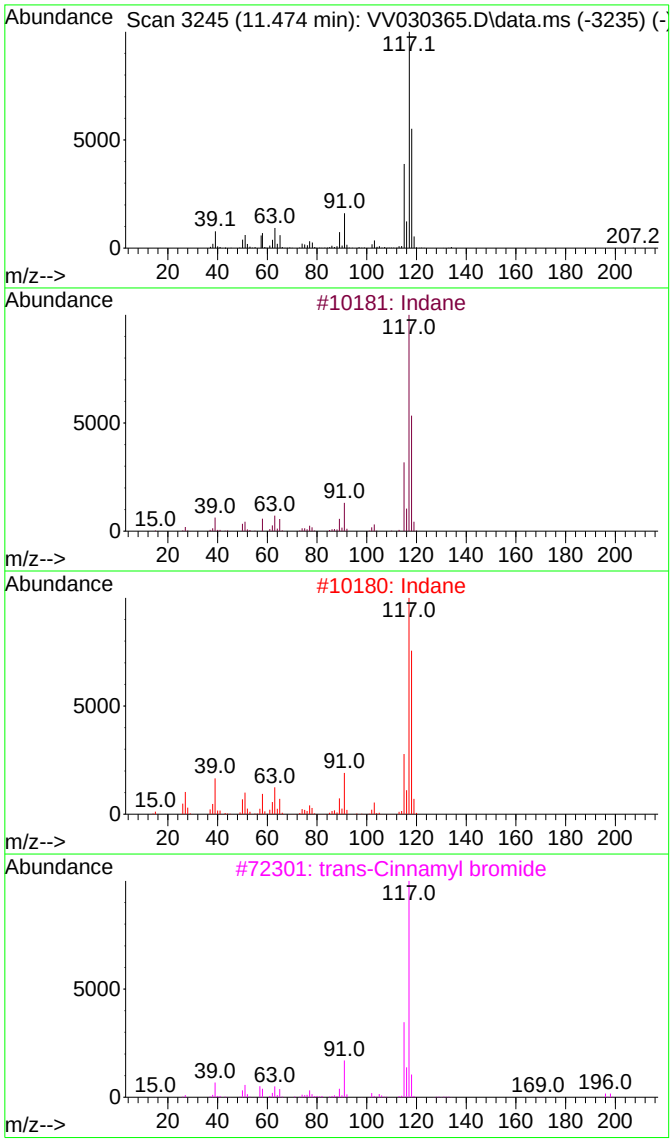
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

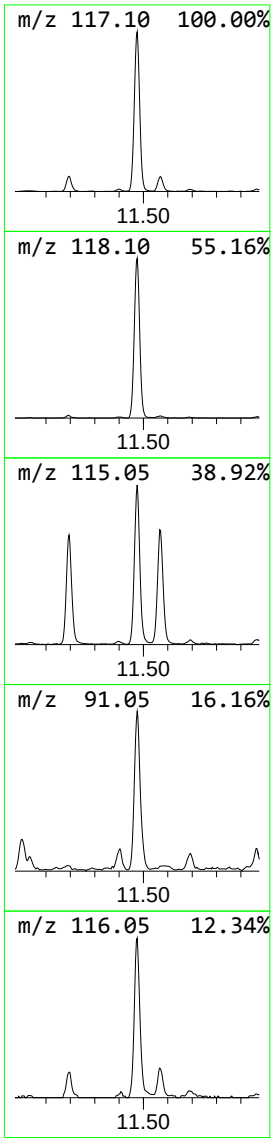
****

Peak Number 7 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.474	5.74 ug/L	529044	1,4-Dichlorobenzene-d4	11.194

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	87
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	72
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	68
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

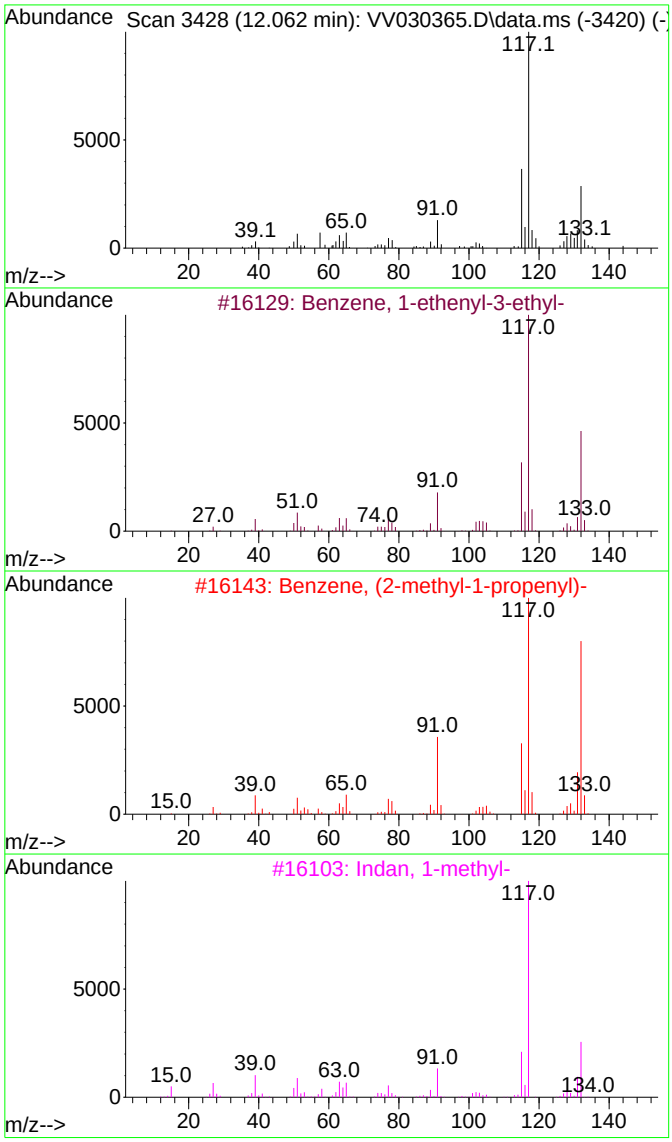
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0

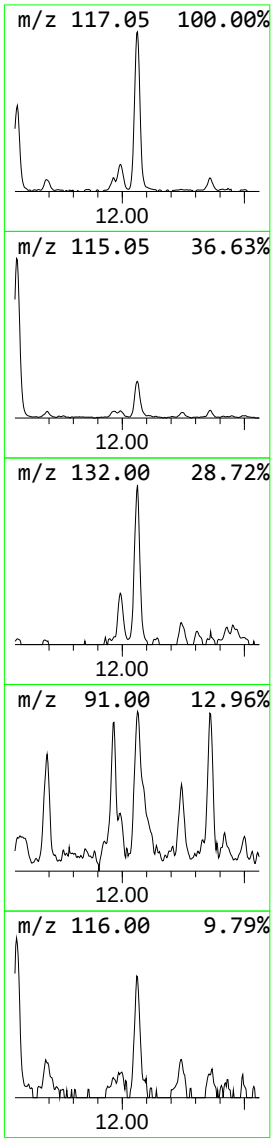
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.062	0.67 ug/L	61420	1,4-Dichlorobenzene-d4	11.194

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

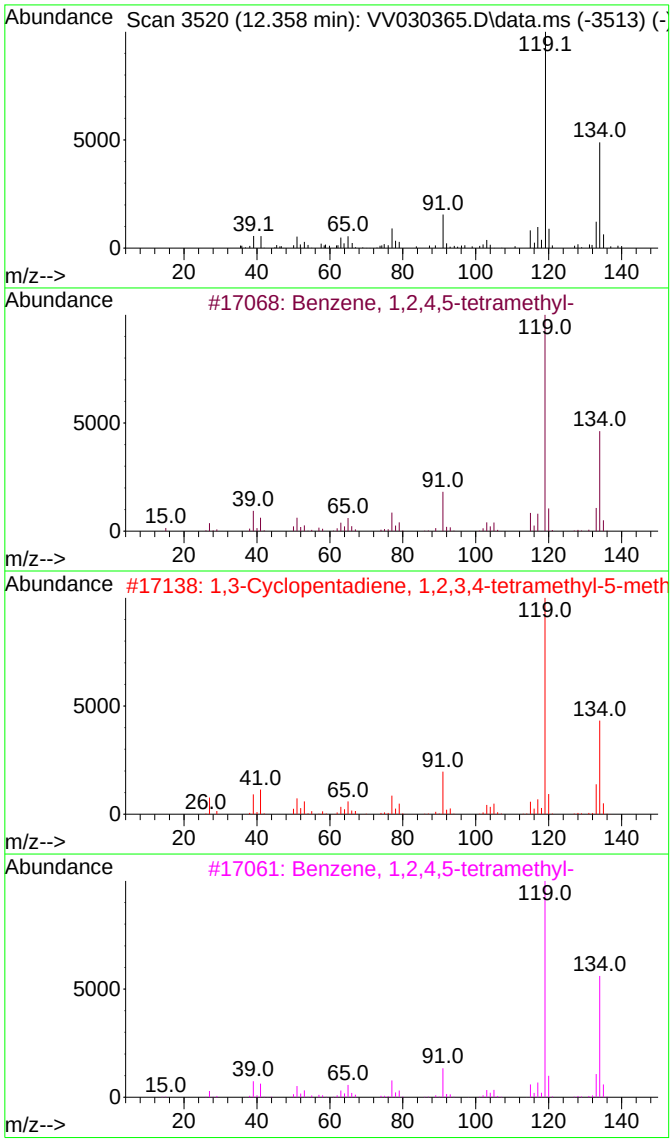
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0

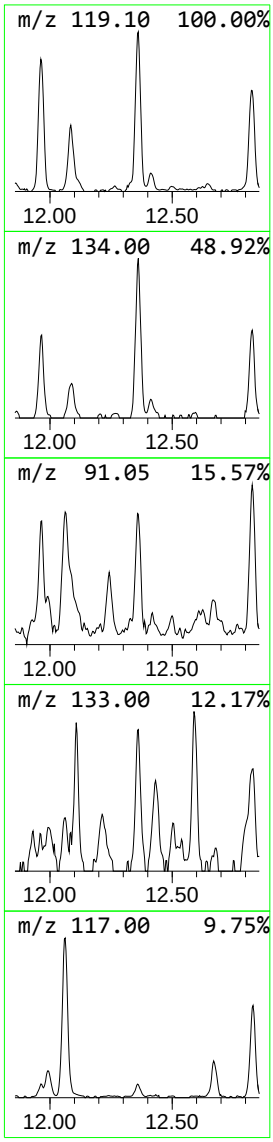
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.358	0.61 ug/L	55847	1,4-Dichlorobenzene-d4	11.194

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

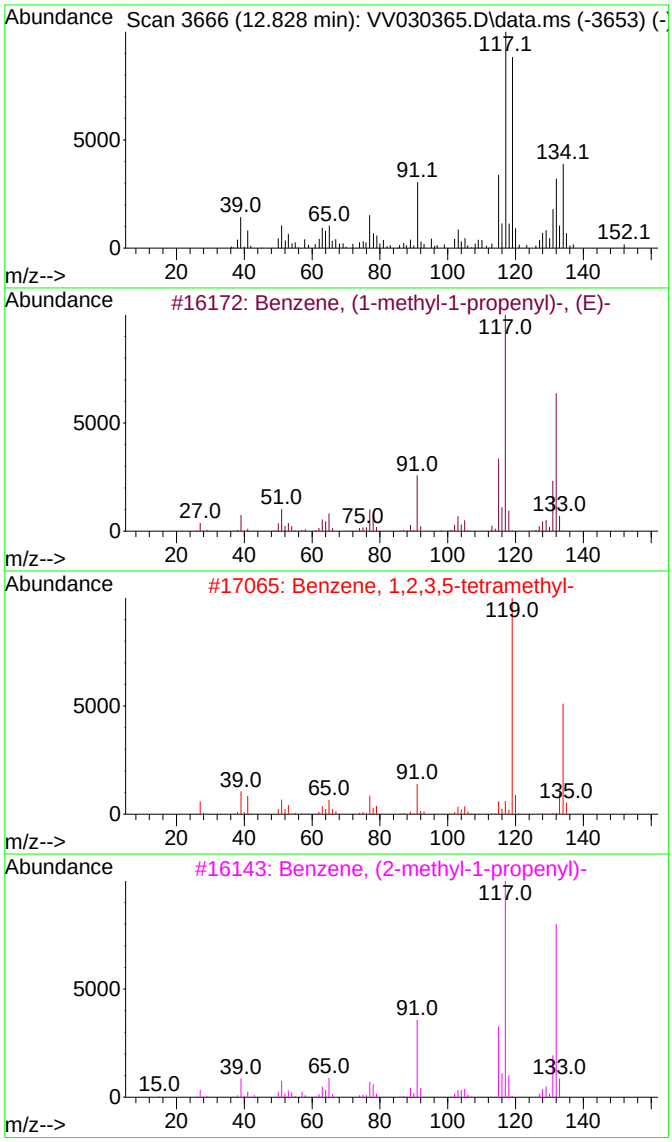
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0

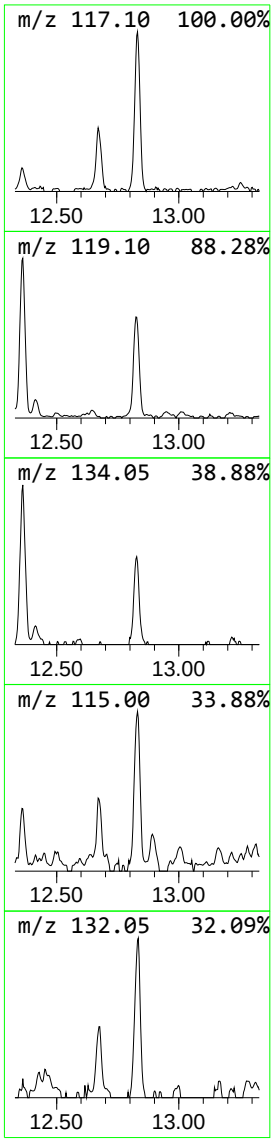
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, (1-methyl-1-propen... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.828	1.09 ug/L	100537	1,4-Dichlorobenzene-d4	11.194

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	50
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	50
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV033023\
Data File : VV030365.D
Acq On : 30 Mar 2023 17:30
Operator : SY/MD
Sample : 02122-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB9A4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.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
Diisopropyl ether	3.220	4.1	ug/L	263046	1	5.545	320926	5.0
1,3-Oxathiolane	8.175	0.5	ug/L	36116	2	8.796	345864	5.0
Bicyclo[3.1.1]h...	10.345	0.9	ug/L	82981	3	11.194	460994	5.0
Bicyclo[2.2.1]h...	10.513	3.2	ug/L	296456	3	11.194	460994	5.0
Indane	11.474	5.7	ug/L	529044	3	11.194	460994	5.0
Benzene, 1-ethe...	12.062	0.7	ug/L	61420	3	11.194	460994	5.0
Benzene, 1,2,4,...	12.358	0.6	ug/L	55847	3	11.194	460994	5.0
Benzene, (1-met...	12.828	1.1	ug/L	100537	3	11.194	460994	5.0