

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
 Data File : VV032631.D
 Acq On : 25 Oct 2023 14:27
 Operator : SY/MD
 Sample : 04992-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ9

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\SFAMVTR092923WMA.M
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV032631.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	8	14	24	rBV2	171918	173135	9.21%	0.903%
2	1.278	64	74	91	rBV2	84834	109456	5.82%	0.571%
3	1.532	144	153	166	rVB	58262	71119	3.78%	0.371%
4	2.060	307	317	330	rBV	90910	135103	7.18%	0.705%
5	2.188	349	357	367	rVB	13467	22903	1.22%	0.119%
6	3.802	848	859	883	rBV2	44813	139543	7.42%	0.728%
7	4.252	981	999	1019	rBV2	61161	164978	8.77%	0.861%
8	4.378	1024	1038	1055	rVB3	10609	30843	1.64%	0.161%
9	4.960	1198	1219	1237	rBV2	145295	373957	19.89%	1.951%
10	5.053	1240	1248	1266	rVB4	15554	42988	2.29%	0.224%
11	5.535	1387	1398	1415	rBV	126955	266226	14.16%	1.389%
12	5.613	1417	1422	1439	rVB2	13541	30239	1.61%	0.158%
13	5.992	1528	1540	1552	rBV	86037	181980	9.68%	0.949%
14	6.053	1553	1559	1572	rVB4	23362	45533	2.42%	0.238%
15	6.915	1818	1827	1853	rBV	40132	82135	4.37%	0.428%
16	7.191	1902	1913	1920	rBV4	17185	34562	1.84%	0.180%
17	7.246	1920	1930	1961	rVB	176431	351881	18.71%	1.836%
18	7.561	2018	2028	2031	rBV3	25826	39227	2.09%	0.205%
19	7.719	2066	2077	2088	rBV6	10310	20157	1.07%	0.105%
20	8.027	2161	2173	2203	rBV	222935	455086	24.20%	2.374%
21	8.172	2203	2218	2226	rVV	17361	45891	2.44%	0.239%
22	8.223	2227	2234	2244	rVV	45335	75528	4.02%	0.394%
23	8.284	2244	2253	2265	rVV	45029	78479	4.17%	0.409%
24	8.529	2314	2329	2343	rBV5	22231	53148	2.83%	0.277%
25	8.728	2380	2391	2399	rBV3	12772	23143	1.23%	0.121%
26	8.786	2399	2409	2425	rVV	227353	401312	21.34%	2.093%
27	8.870	2428	2435	2445	rVV3	27037	53648	2.85%	0.280%
28	8.950	2446	2460	2478	rVV	109020	225484	11.99%	1.176%
29	9.075	2479	2499	2512	rVV3	204197	482108	25.64%	2.515%
30	9.130	2512	2516	2542	rVB3	29485	72780	3.87%	0.380%
31	9.252	2542	2554	2567	rBV	29338	54609	2.90%	0.285%
32	9.413	2585	2604	2621	rBV5	62885	182312	9.69%	0.951%
33	9.490	2622	2628	2645	rVB5	13323	31759	1.69%	0.166%
34	9.641	2659	2675	2688	rVB4	113030	233286	12.41%	1.217%
35	9.735	2693	2704	2734	rVB6	117874	285609	15.19%	1.490%
36	9.870	2735	2746	2755	rBV	167392	269044	14.31%	1.403%

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Integrator: RTE

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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

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37	10.062	2798	2806	2816	rVB2	48709	77566	4.12%	0.405%
38	10.178	2823	2842	2855	rBV5	121254	329930	17.54%	1.721%
39	10.291	2867	2877	2896	rBV	273737	494511	26.30%	2.580%
40	10.387	2897	2907	2922	rVV	748541	1427661	75.92%	7.447%
41	10.477	2926	2935	2951	rVV	605800	998477	53.09%	5.209%
42	10.551	2953	2958	2971	rVB4	31993	56365	3.00%	0.294%
43	10.670	2985	2995	3013	rVB4	66705	147206	7.83%	0.768%
44	10.853	3031	3052	3073	rVB	680131	1098990	58.44%	5.733%
45	10.966	3076	3087	3088	rBV5	16904	25384	1.35%	0.132%
46	10.995	3089	3096	3100	rVV	70035	106129	5.64%	0.554%
47	11.027	3100	3106	3117	rVB	147035	232638	12.37%	1.214%
48	11.095	3118	3127	3132	rBV	114110	170077	9.04%	0.887%
49	11.133	3132	3139	3147	rVV	297213	436912	23.23%	2.279%
50	11.185	3147	3155	3167	rVB3	455109	696160	37.02%	3.632%
51	11.275	3172	3183	3202	rVB	1270770	1880550	100.00%	9.810%
52	11.394	3213	3220	3232	rVB	64100	100728	5.36%	0.525%
53	11.487	3232	3249	3251	rBV2	170654	362393	19.27%	1.890%
54	11.513	3252	3257	3265	rVV	422739	659181	35.05%	3.439%
55	11.577	3265	3277	3294	rVB5	504220	1335309	71.01%	6.966%
56	11.686	3301	3311	3322	rBV	71409	112686	5.99%	0.588%
57	11.760	3324	3334	3351	rVB	241923	370595	19.71%	1.933%
58	11.853	3353	3363	3367	rBV	132650	196239	10.44%	1.024%
59	11.882	3368	3372	3380	rVB	100657	124984	6.65%	0.652%
60	11.956	3380	3395	3402	rBV	299893	486362	25.86%	2.537%
61	12.056	3416	3426	3430	rBV	160586	251238	13.36%	1.311%
62	12.197	3457	3470	3477	rBV5	70784	140347	7.46%	0.732%
63	12.252	3477	3487	3492	rVV3	98361	167837	8.92%	0.876%
64	12.287	3492	3498	3506	rVB	153113	205844	10.95%	1.074%
65	12.355	3512	3519	3527	rVB	121069	171900	9.14%	0.897%
66	12.406	3527	3535	3549	rVB	155625	247278	13.15%	1.290%
67	12.493	3551	3562	3569	rBV2	46928	75608	4.02%	0.394%
68	12.628	3596	3604	3611	rBV4	21008	36965	1.97%	0.193%
69	12.667	3611	3616	3631	rVB3	30256	50297	2.67%	0.262%
70	12.821	3644	3664	3678	rBV2	169563	313333	16.66%	1.635%
71	12.889	3680	3685	3694	rVB4	18720	29177	1.55%	0.152%
72	12.985	3708	3715	3726	rVB4	26802	40807	2.17%	0.213%
73	13.210	3775	3785	3793	rBV4	15368	26350	1.40%	0.137%
74	13.390	3832	3841	3848	rBV3	17096	28550	1.52%	0.149%
75	13.445	3848	3858	3878	rVB	59056	117918	6.27%	0.615%

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Integrator: RTE
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Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Title : TRACE VOA SFAM1.0

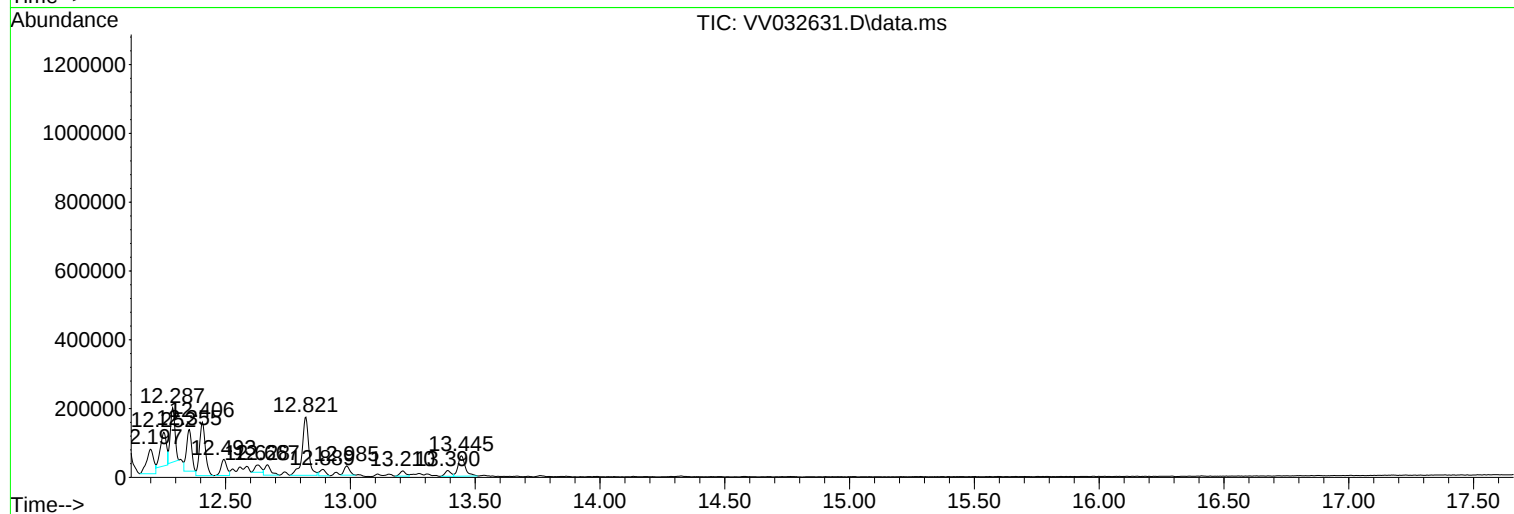
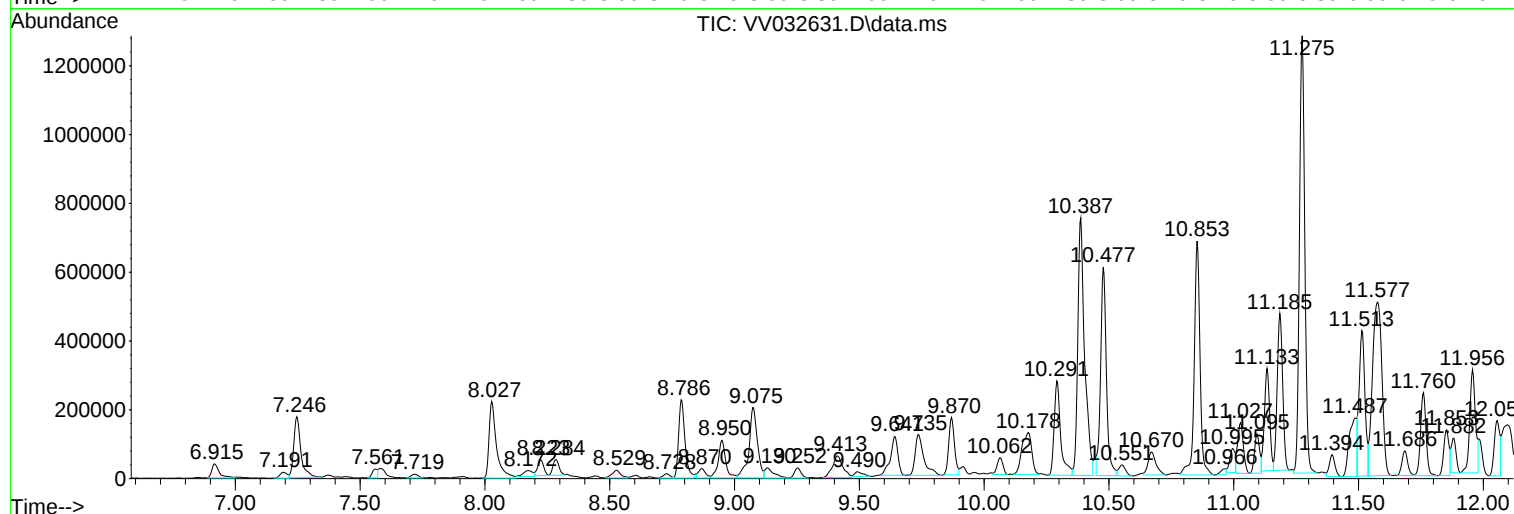
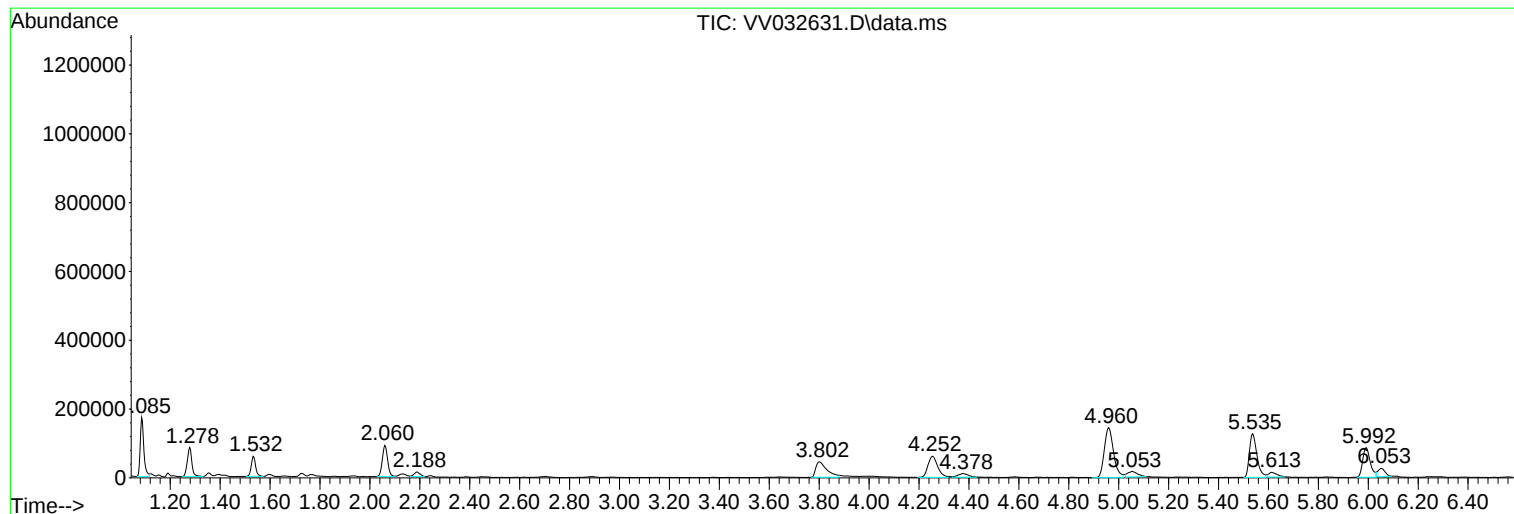
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

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



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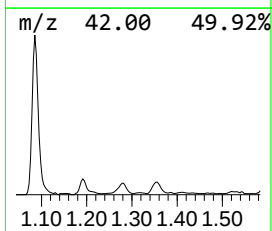
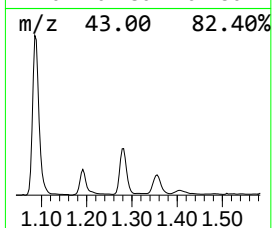
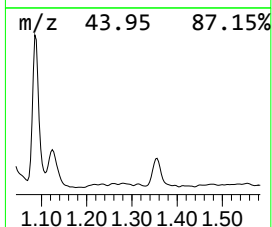
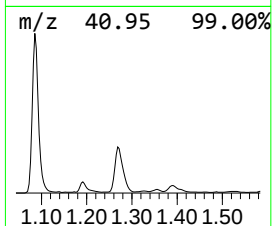
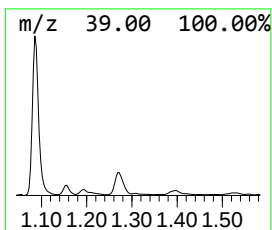
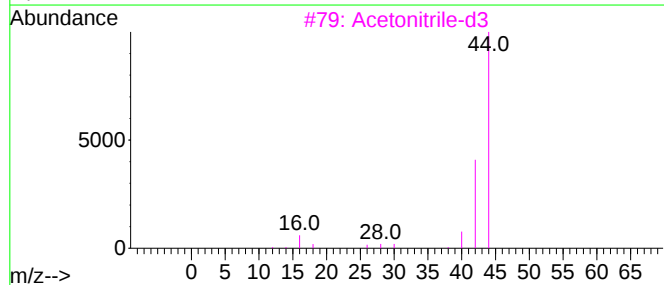
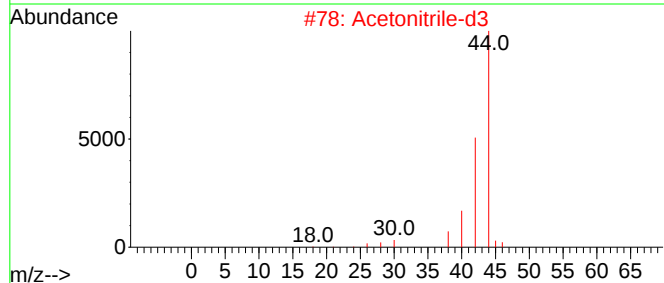
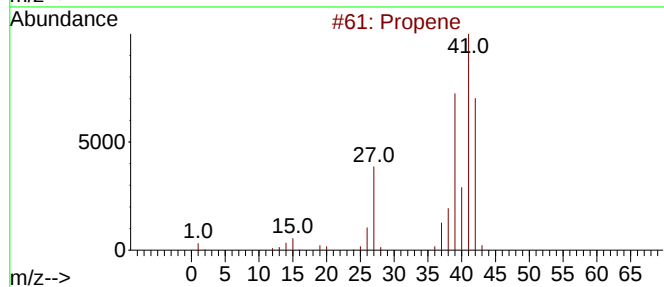
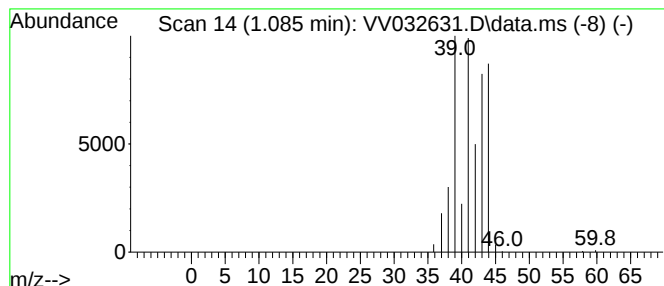
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.085	3.25 ug/L	173135	1,4-Difluorobenzene	5.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	9
2			Acetonitrile-d3	44	C2D3N	002206-26-0	7
3			Acetonitrile-d3	44	C2D3N	002206-26-0	4
4			Propane	44	C3H8	000074-98-6	4
5			Pyrimidine-2,4(1H,3H)-dione, 5-a...	156	C4H4N4O3	1000270-67-7	4



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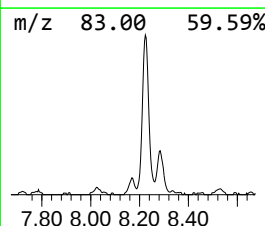
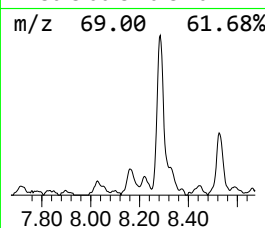
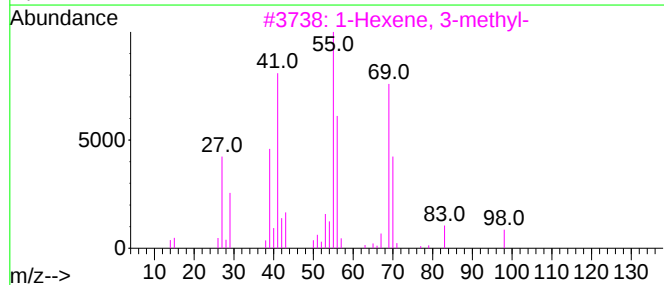
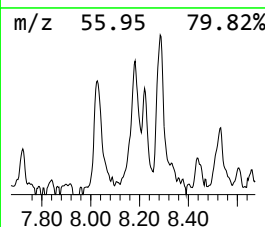
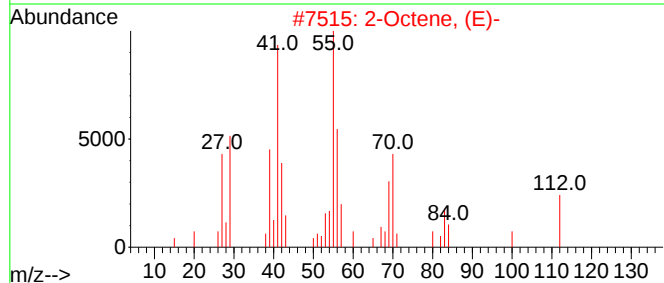
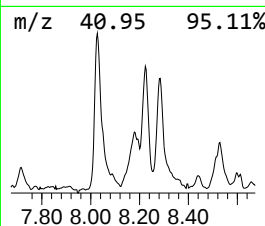
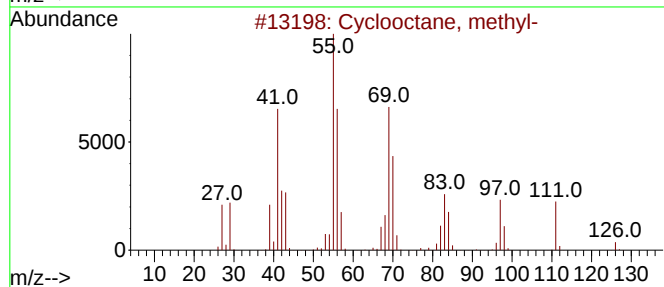
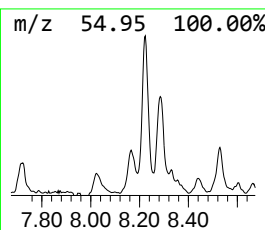
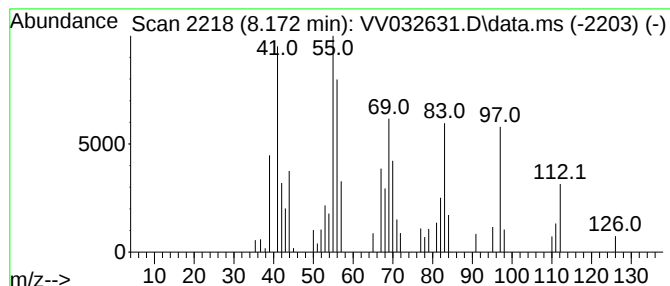
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 6 (DEL) Alkane: Cyclic8.172 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.172	0.57 ug/L	45891	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, methyl-	126	C9H18	001502-38-1	53
2			2-Octene, (E)-	112	C8H16	013389-42-9	49
3			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	45
4			Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	43
5			3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	43



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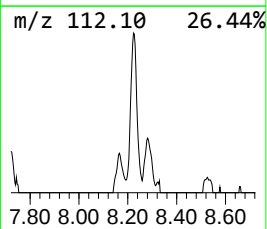
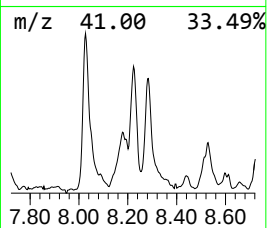
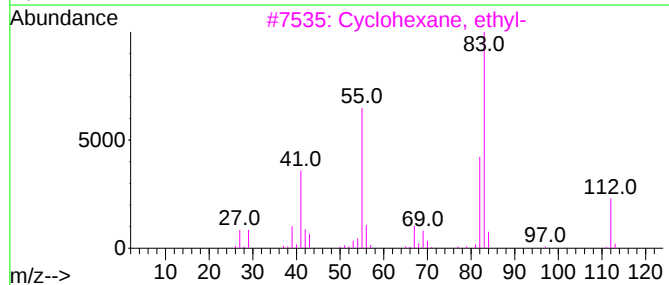
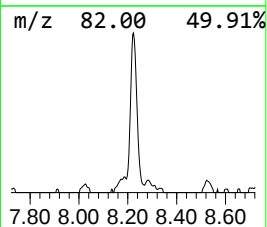
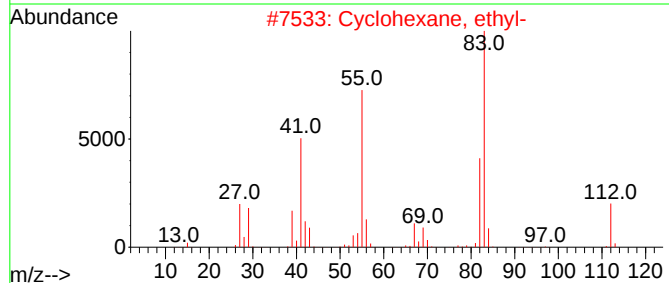
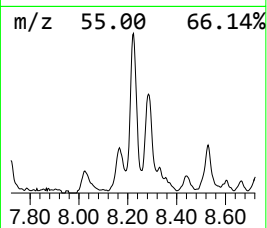
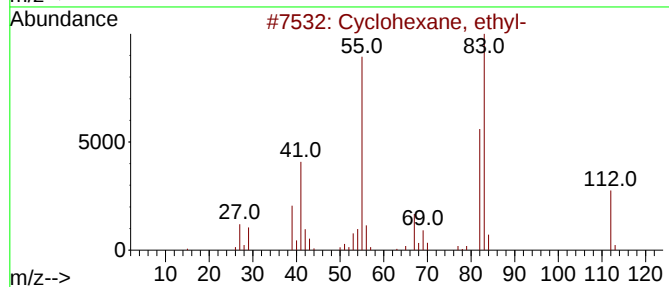
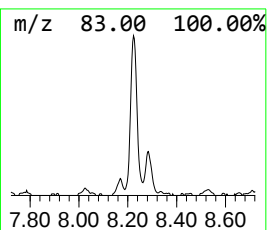
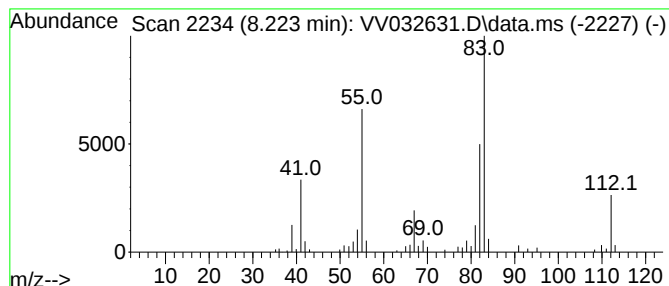
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 7 (DEL) Alkane: Cyclic8.223 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.223	0.94 ug/L	75528	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
4			2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	50
5			3-Ethyl-3-hexene	112	C8H16	016789-51-8	50



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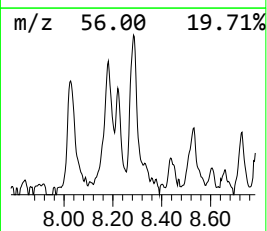
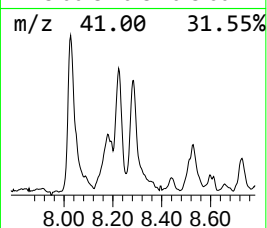
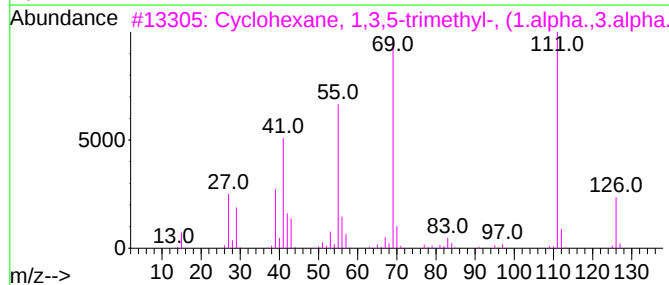
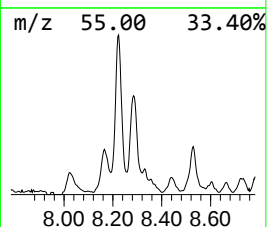
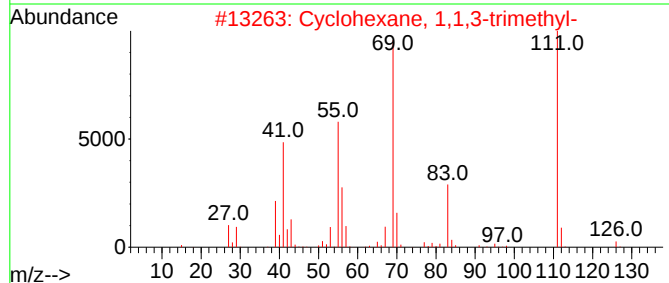
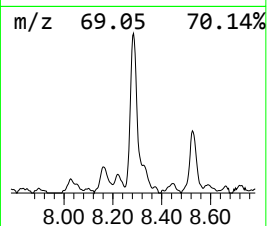
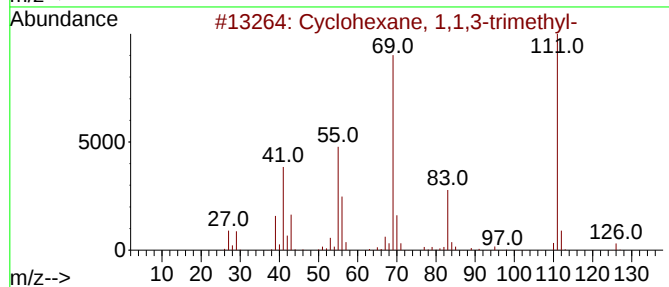
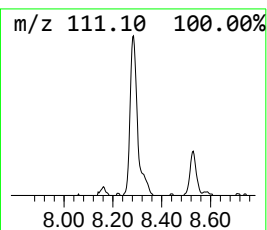
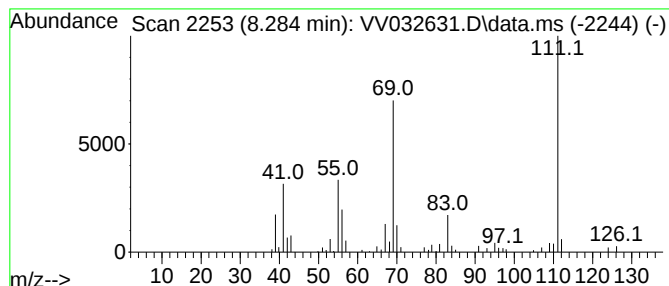
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 8 (DEL) Alkane: Cyclic8.284 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.284	0.98 ug/L	78479	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	60
3			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	53
4			4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	53
5			2-Propanamine, N,N'-methanetetra...	126	C7H14N2	000693-13-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

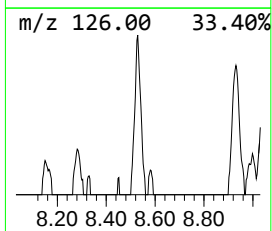
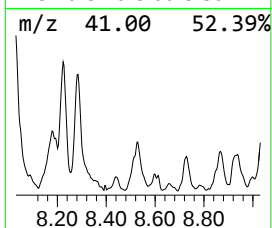
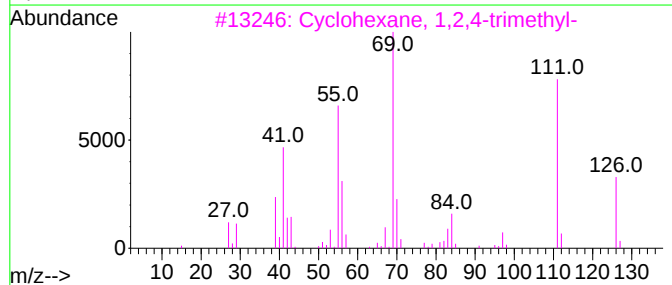
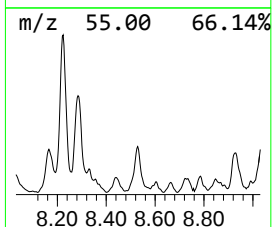
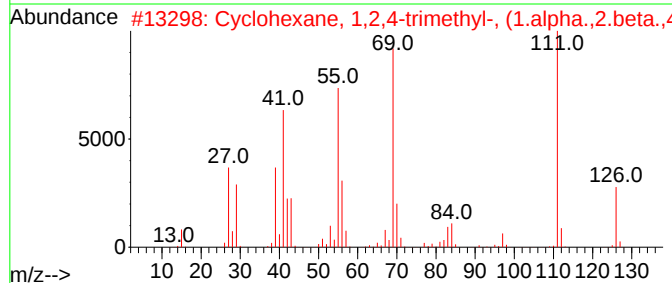
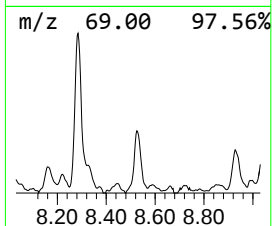
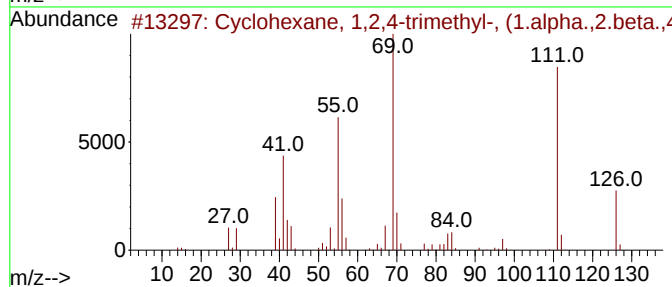
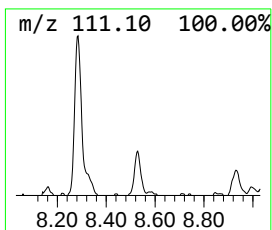
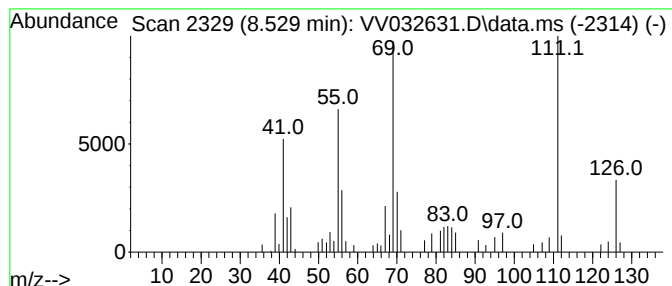
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 9 (DEL) Alkane: Cyclic8.529 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.529	0.66 ug/L	53148	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
2			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	83
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

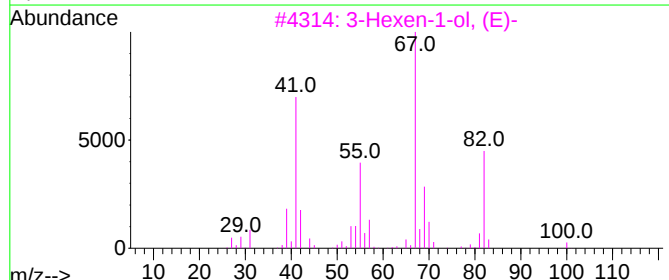
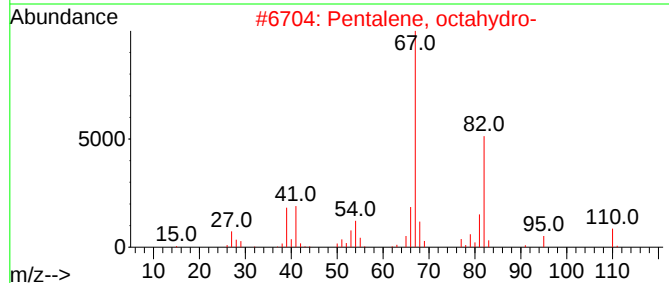
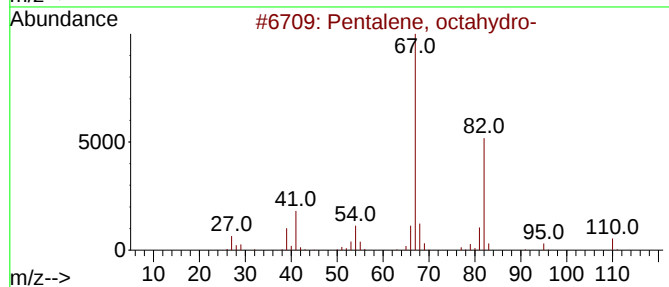
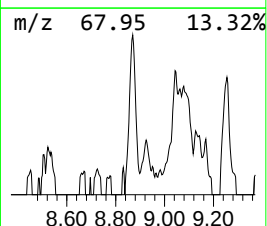
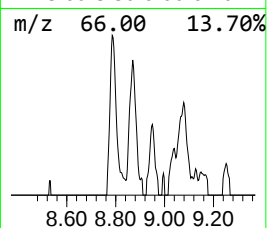
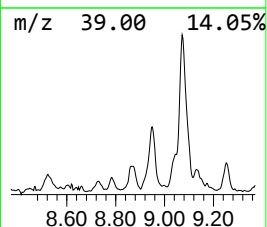
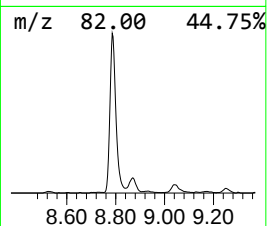
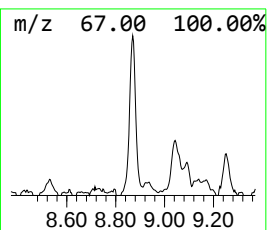
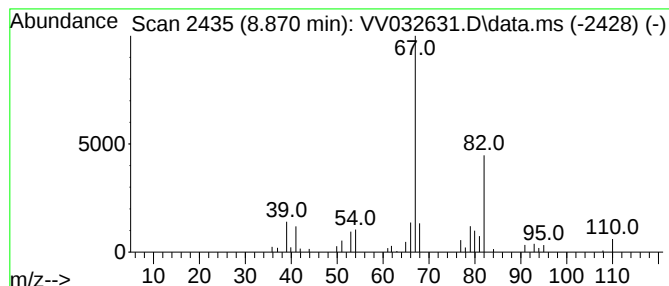
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 10 Pentalene, octahydro- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.870	0.67 ug/L	53648	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-	110	C8H14	000694-72-4	80
2			Pentalene, octahydro-	110	C8H14	000694-72-4	80
3			3-Hexen-1-ol, (E)-	100	C6H12O	000928-97-2	64
4			Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	64
5			trans-3-Hexen-1-ol, chlorodifluo...	212	C8H11ClF2O2	1000447-24-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

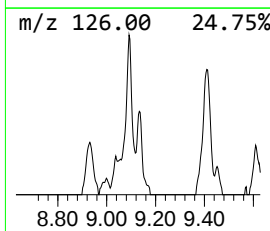
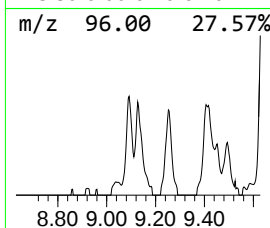
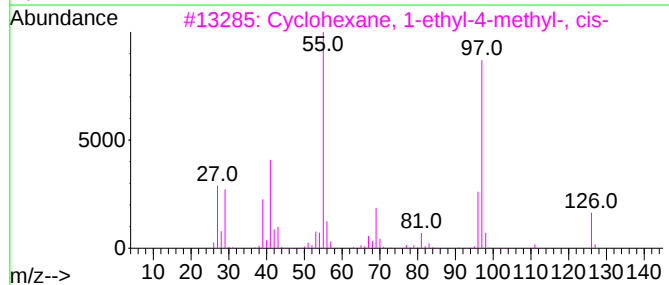
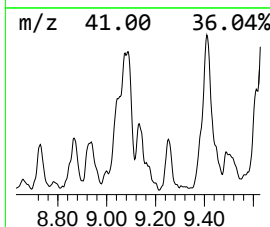
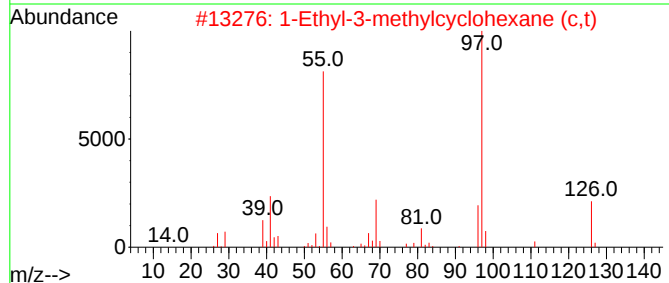
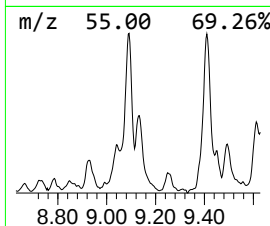
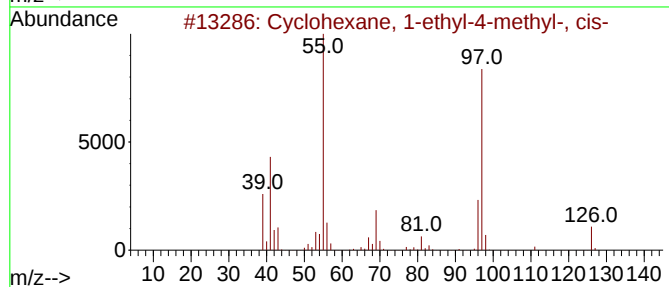
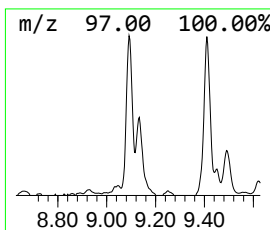
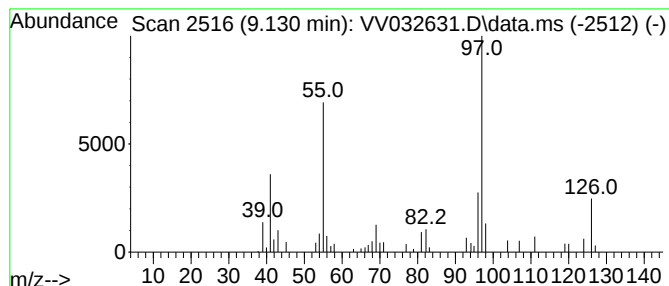
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 11 (DEL) Alkane: Cyclic9.130 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.130	0.91 ug/L	72780	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	81
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	74
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	74
4			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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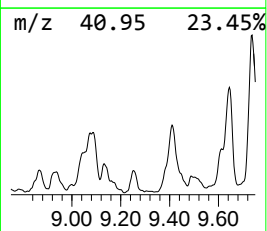
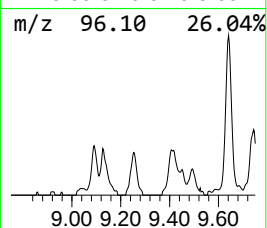
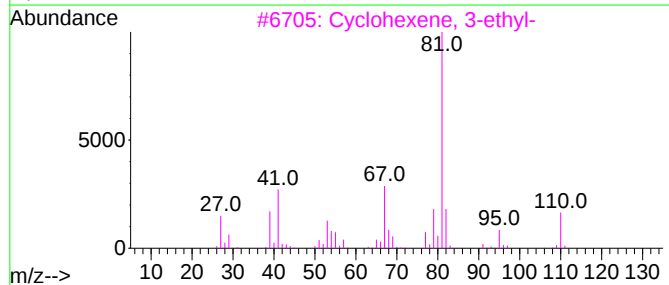
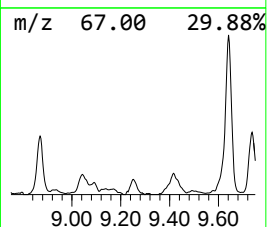
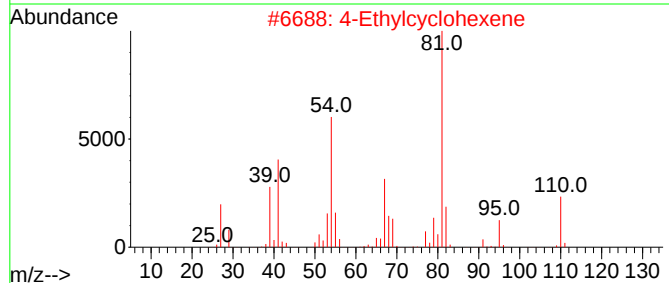
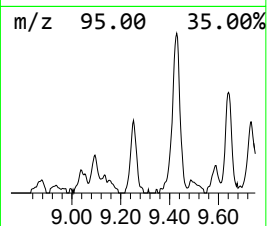
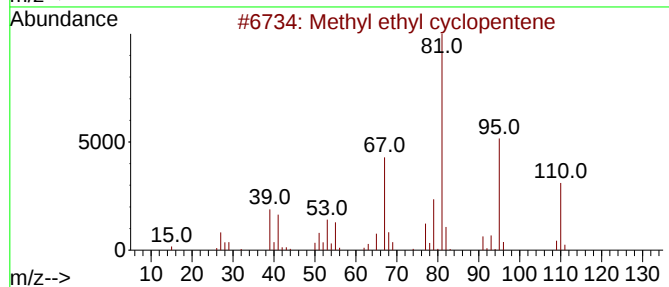
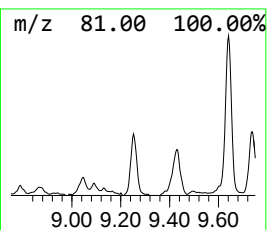
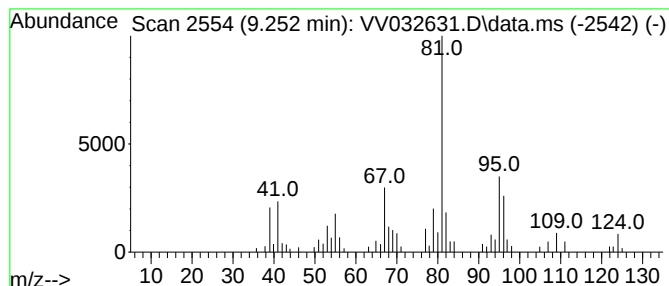
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 12 Methyl ethyl cyclopentene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.252	0.68 ug/L	54609	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methyl ethyl cyclopentene	110	C8H14	019780-56-4	59
2			4-Ethylcyclohexene	110	C8H14	003742-42-5	53
3			Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	53
4			Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	52
5			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

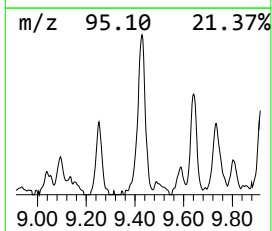
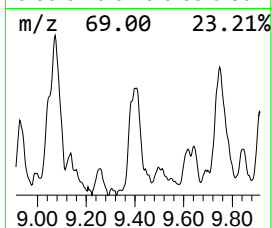
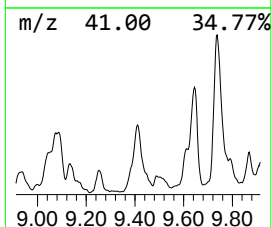
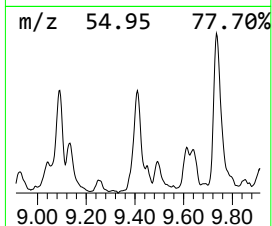
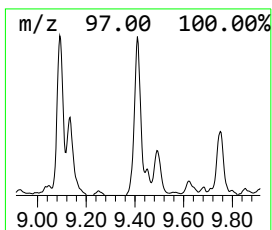
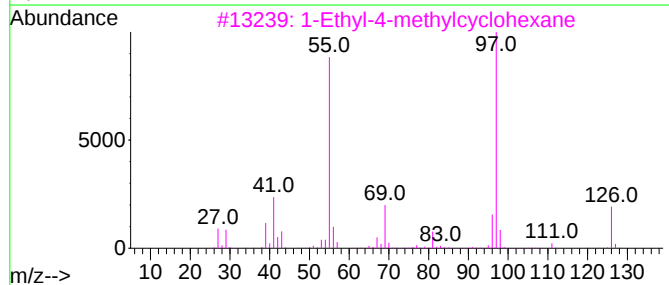
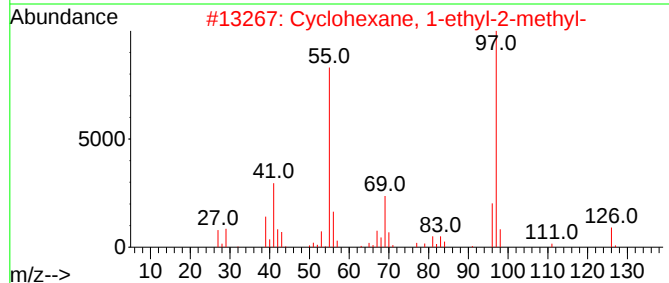
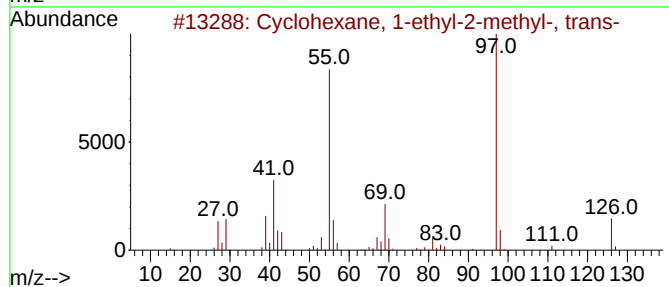
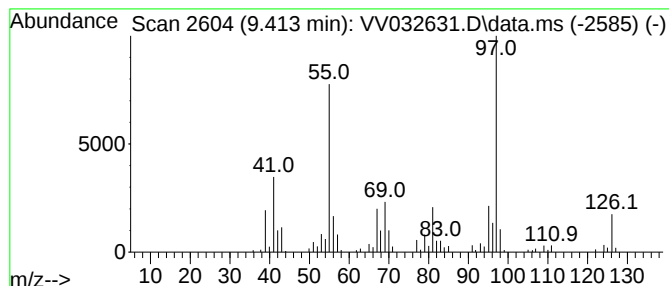
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 13 (DEL) Alkane: Cyclic9.413 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.413	2.27 ug/L	182312	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
2			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	76
3			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	70
4			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	62
5			4-Octen-3-one	126	C8H14O	014129-48-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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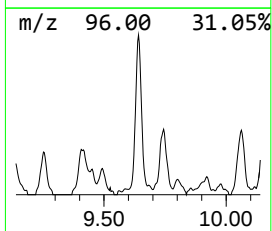
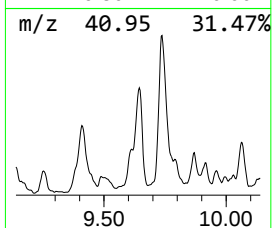
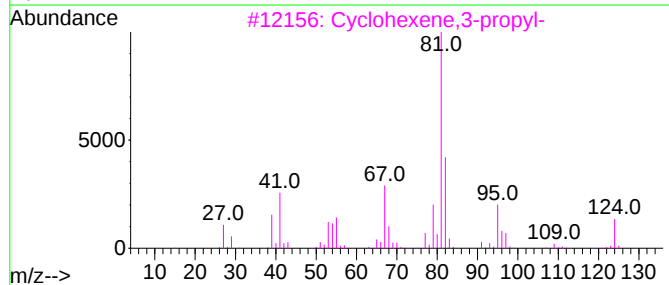
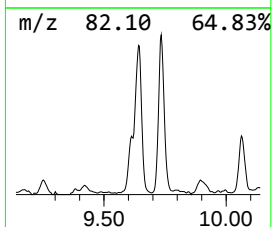
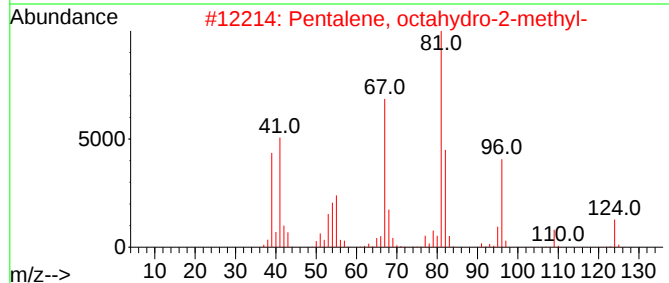
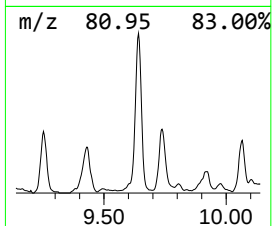
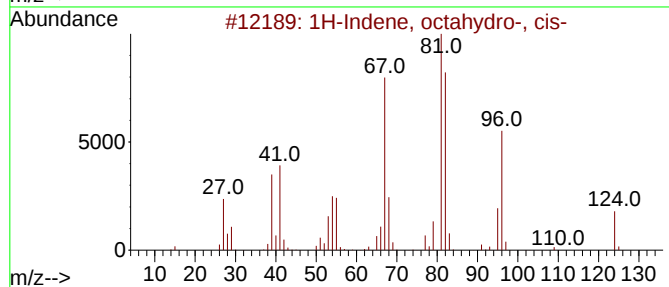
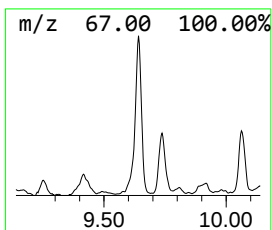
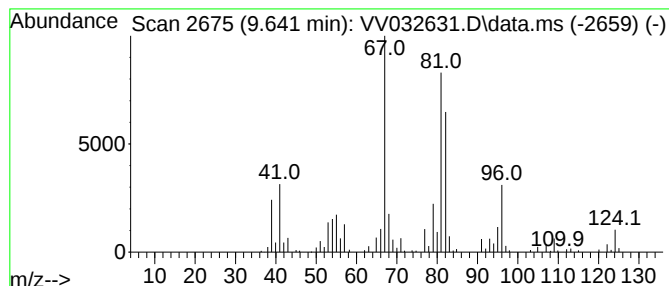
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 14 1H-Indene, octahydro-, cis- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.641	2.91 ug/L	233286	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	94
2			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	58
3			Cyclohexene,3-propyl-	124	C9H16	003983-06-0	46
4			Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	43
5			1H-Indene, octahydro-	124	C9H16	000496-10-6	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

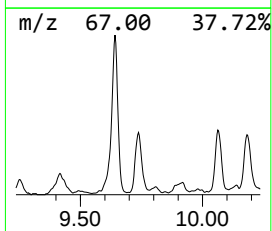
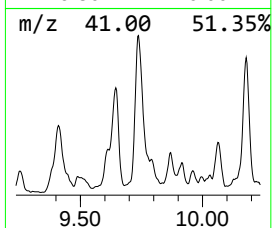
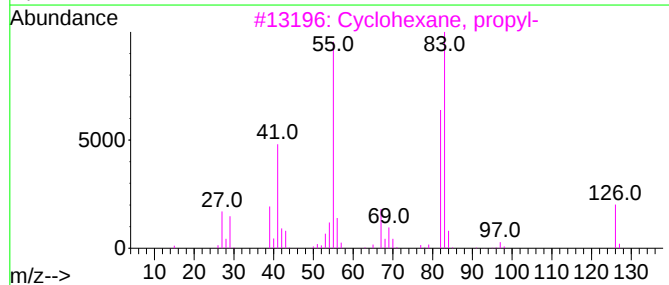
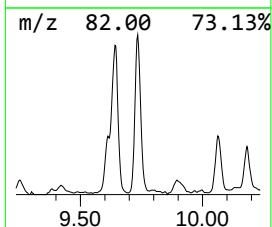
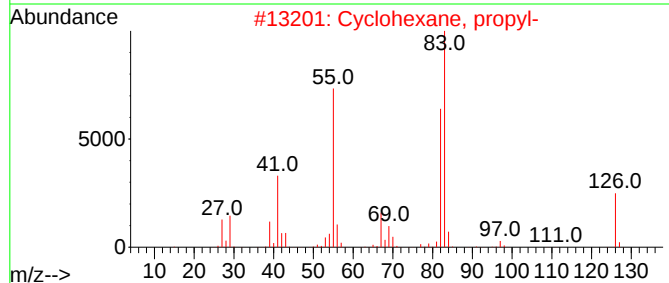
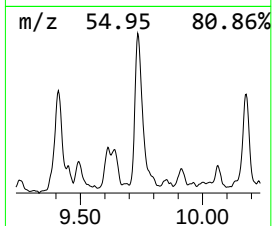
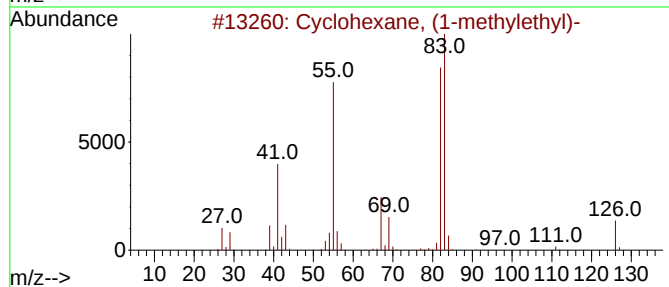
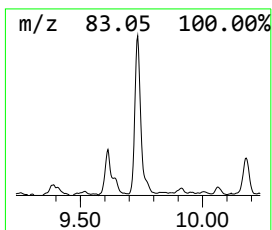
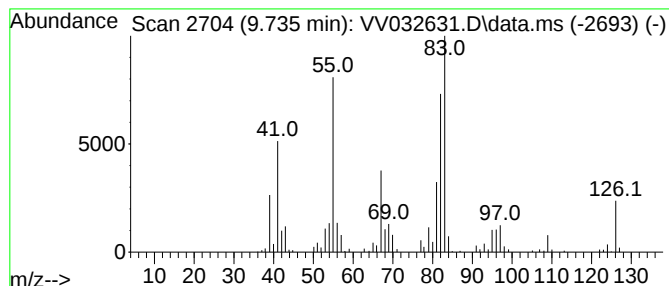
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 15 (DEL) Alkane: Cyclic9.735 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.735	3.56 ug/L	285609	Chlorobenzene-d5	8.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	81
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

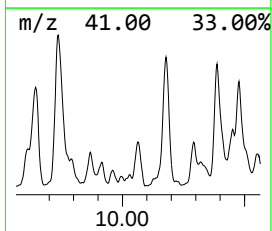
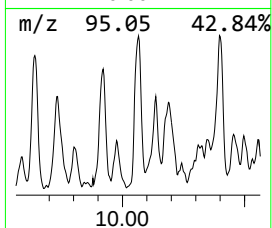
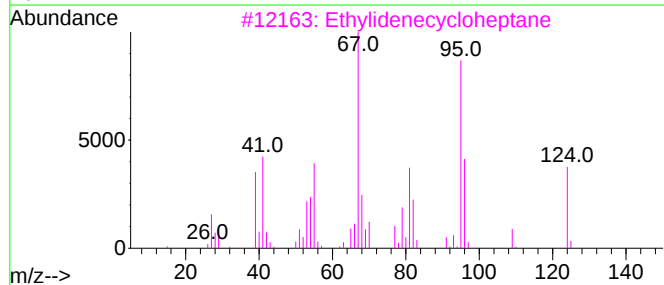
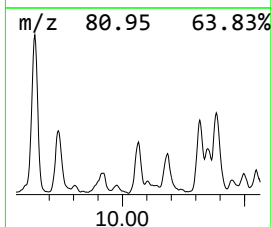
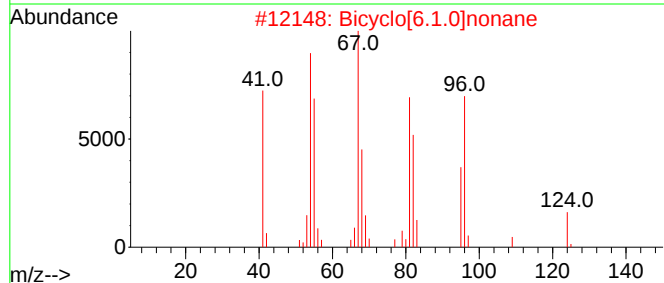
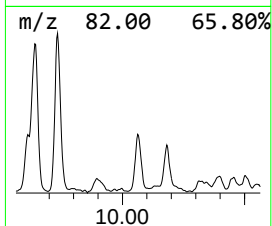
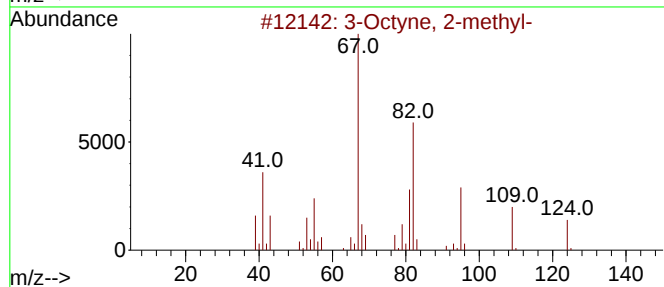
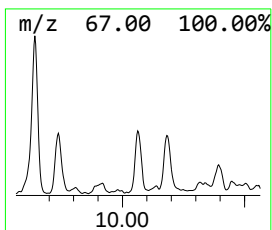
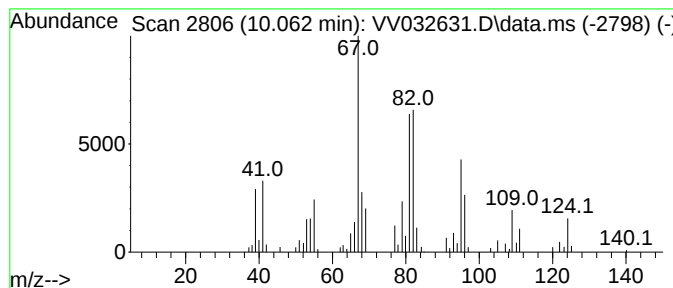
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 16 3-Octyne, 2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.063	0.56 ug/L	77566	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Octyne, 2-methyl-	124	C9H16	055402-15-8	58
2			Bicyclo[6.1.0]nonane	124	C9H16	000286-60-2	52
3			Ethylidenecycloheptane	124	C9H16	010494-87-8	52
4			Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	49
5			3,3A,6,6A-TETRAHYDROCYCLOPENTA[B...]	124	C7H8O2	054483-22-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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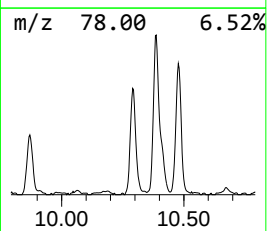
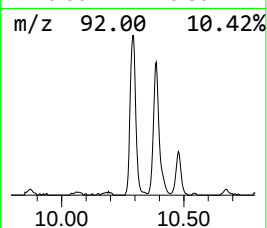
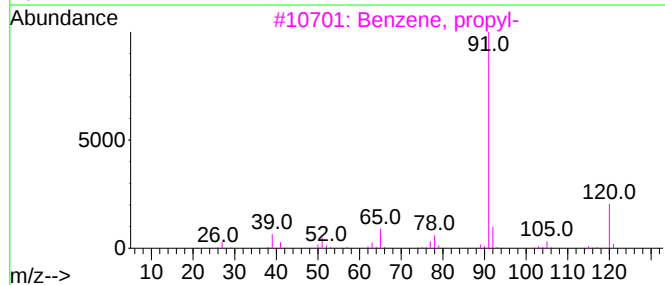
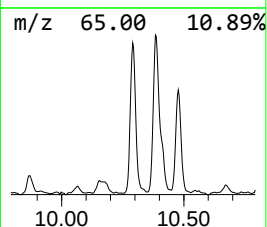
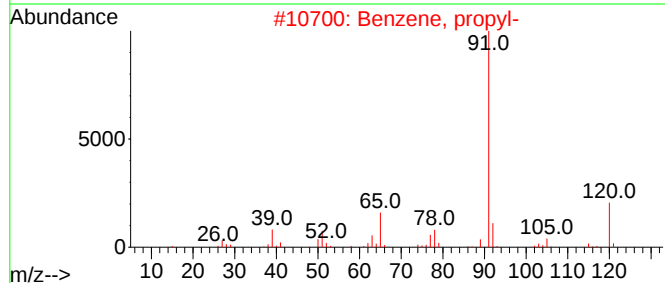
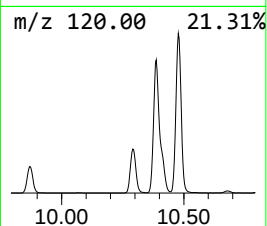
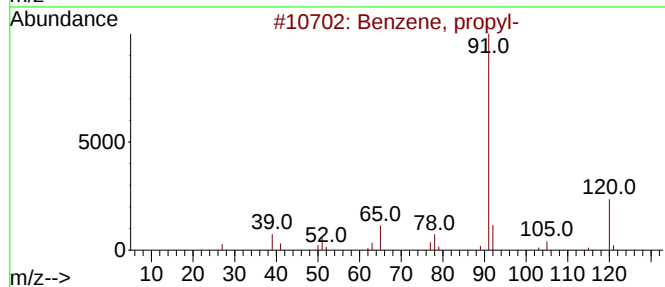
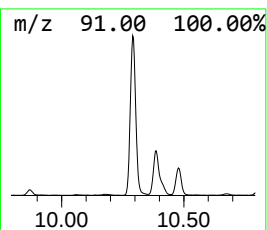
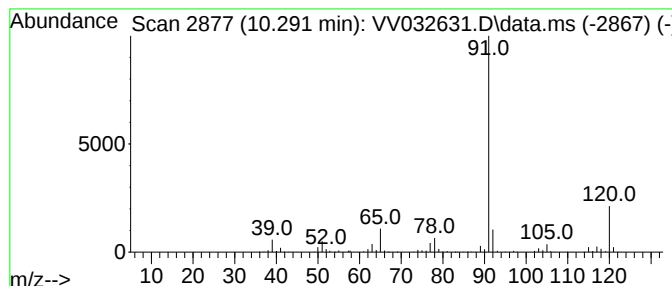
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 17 Benzene, propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.291	3.55 ug/L	494511	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	93
2			Benzene, propyl-	120	C9H12	000103-65-1	90
3			Benzene, propyl-	120	C9H12	000103-65-1	87
4			Benzene, propyl-	120	C9H12	000103-65-1	80
5			1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

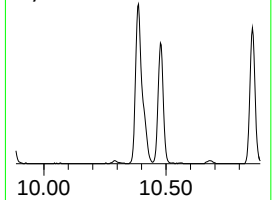
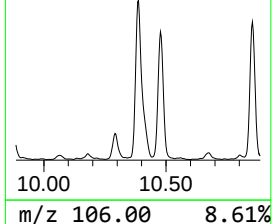
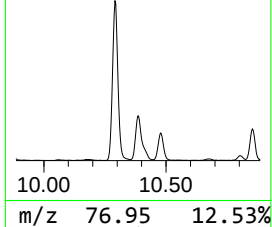
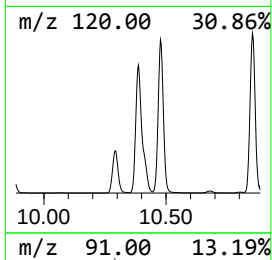
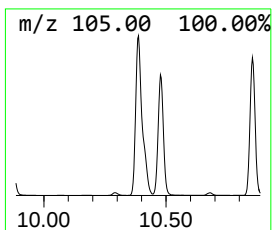
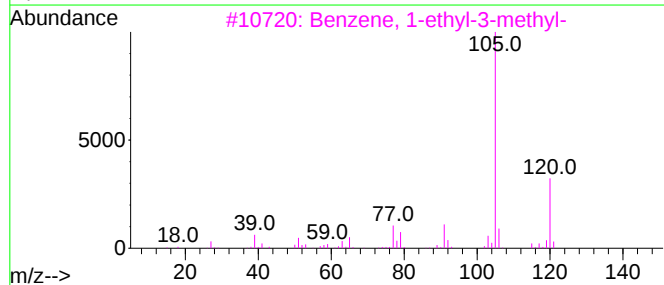
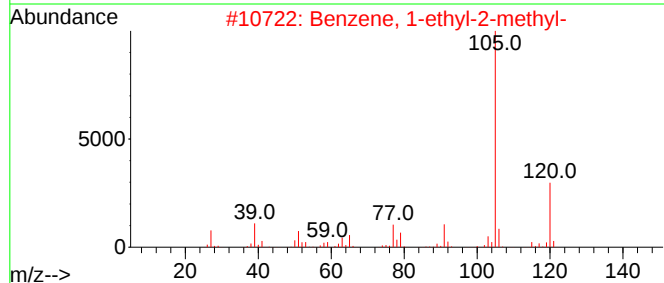
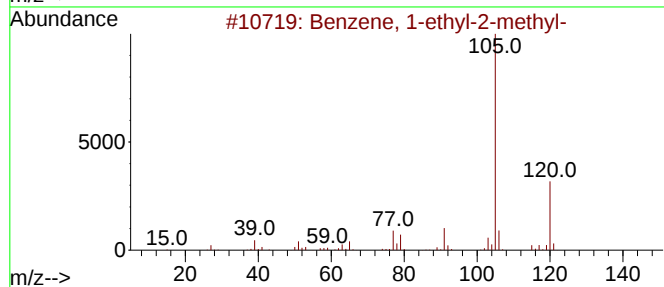
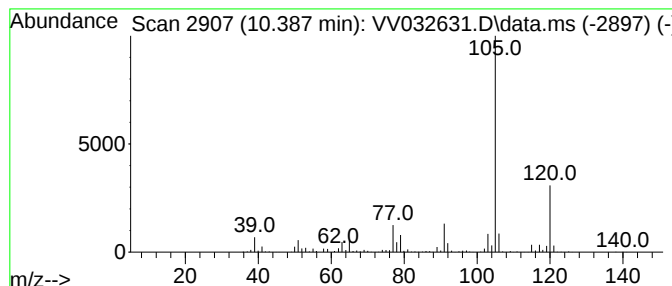
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 18 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.387	10.25 ug/L	1427660	1,4-Dichlorobenzene-d4	11.188

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-2-methyl-	120	C9H12	000611-14-3	95
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C0AJ9

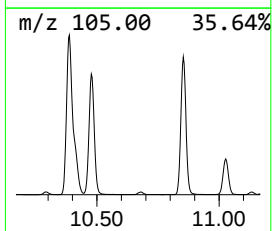
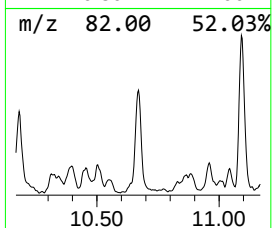
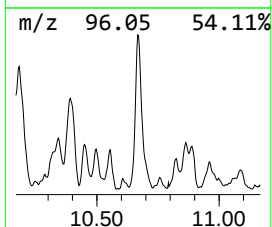
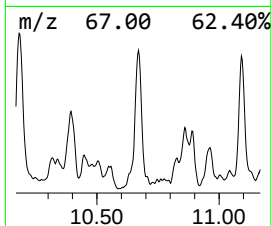
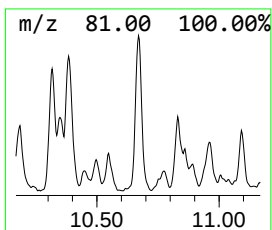
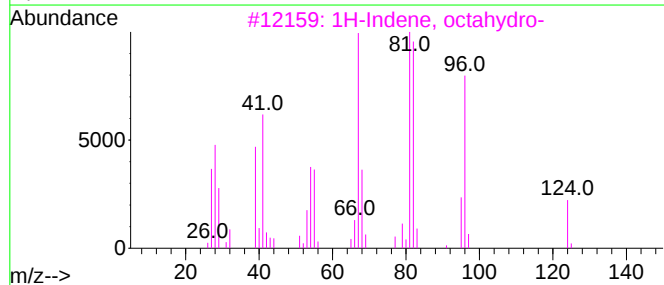
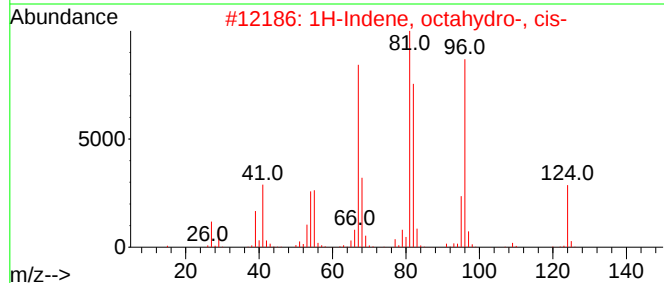
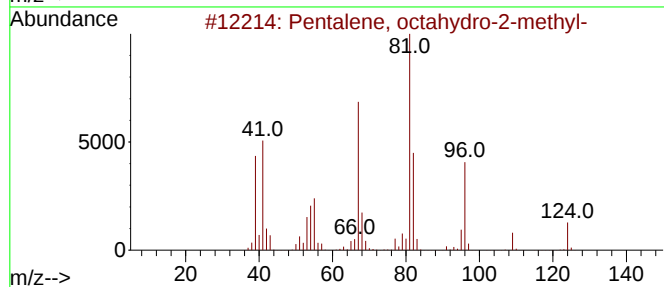
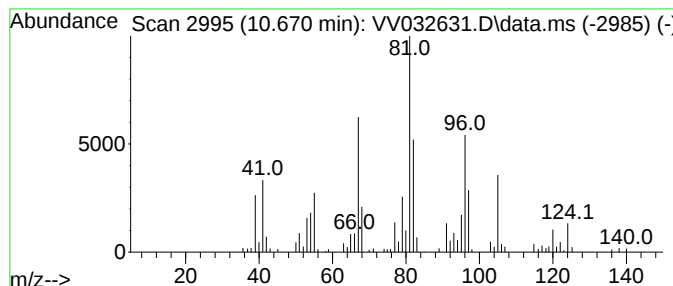
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 19 Pentalene, octahydro-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.670	1.06 ug/L	147206	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	90
2			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	81
3			1H-Indene, octahydro-	124	C9H16	000496-10-6	55
4			Cyclohexene,3-propyl-	124	C9H16	003983-06-0	52
5			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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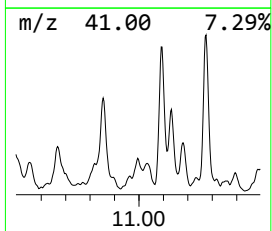
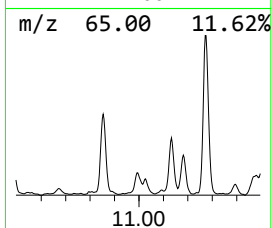
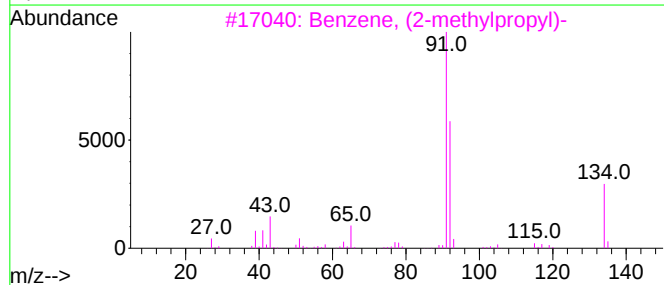
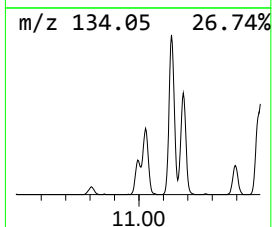
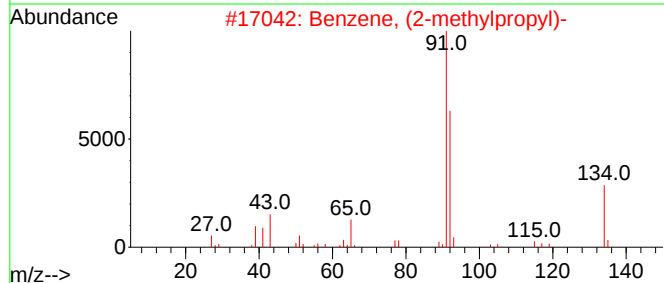
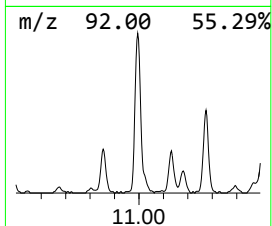
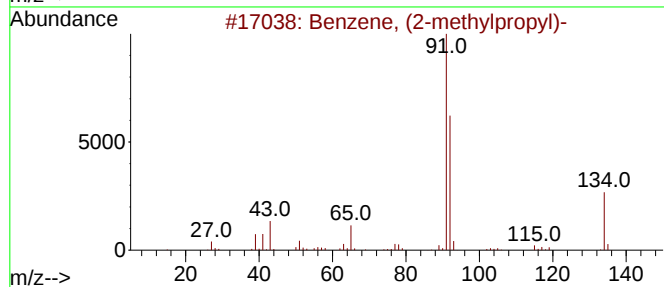
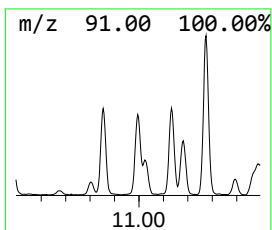
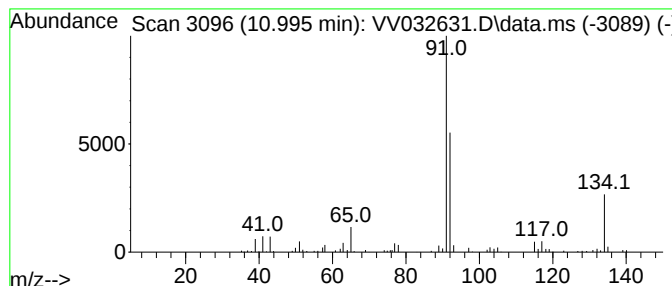
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 20 Benzene, (2-methylpropyl)- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.995	0.76 ug/L	106129	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
2			Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
3			Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
4			Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
5			Benzene, n-butyl-	134	C10H14	000104-51-8	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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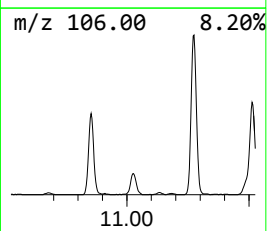
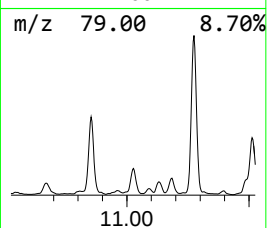
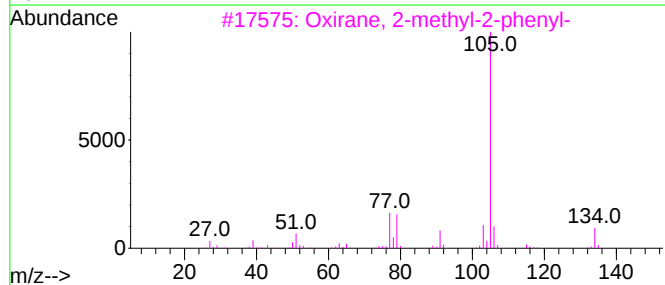
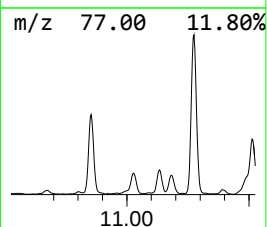
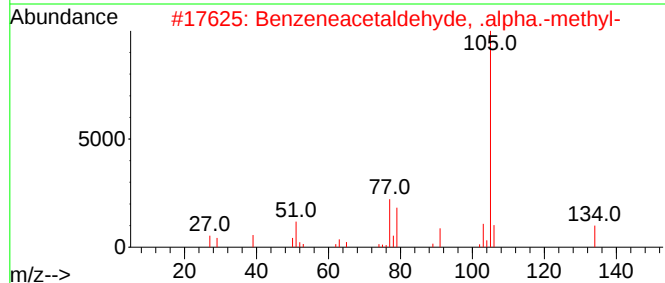
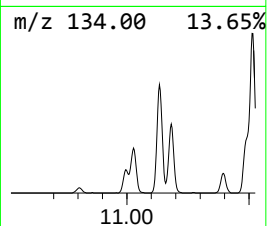
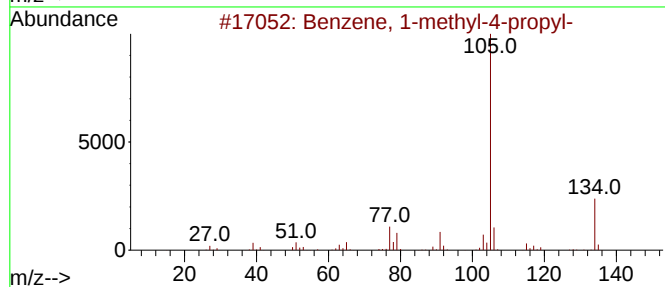
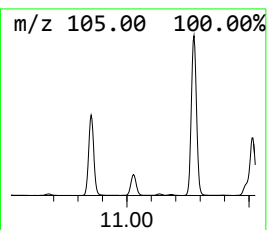
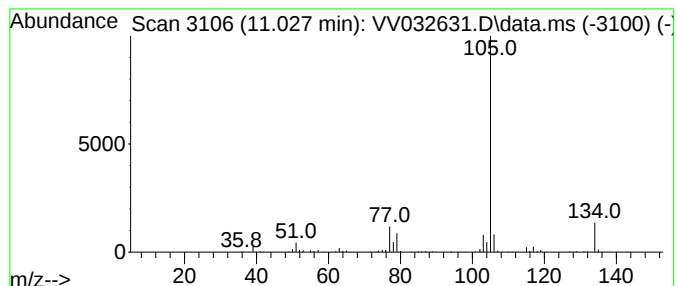
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 21 Benzene, 1-methyl-4-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.027	1.67 ug/L	232638	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
3			Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	86
4			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
5			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

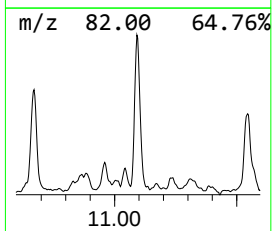
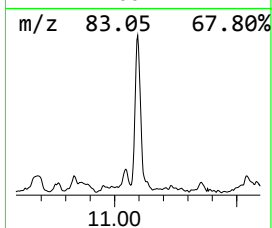
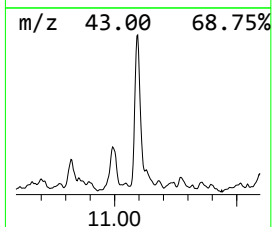
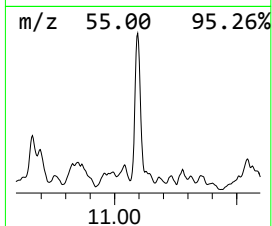
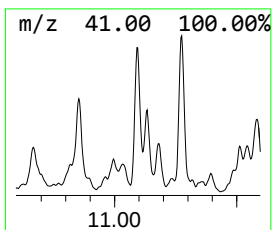
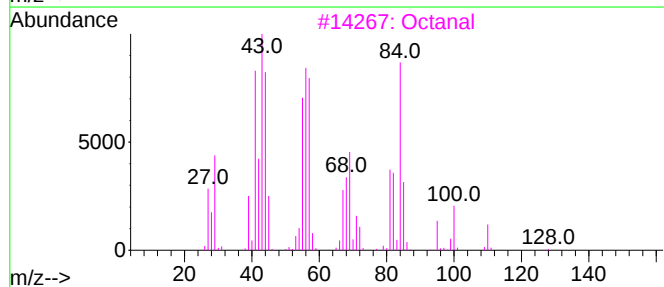
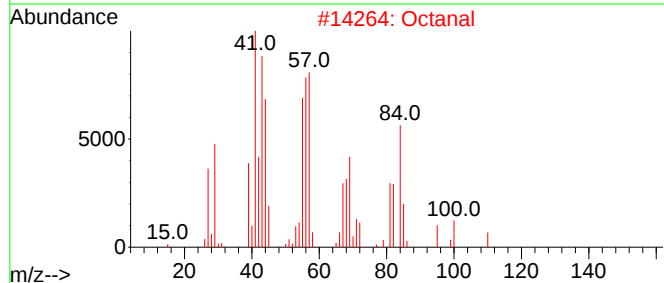
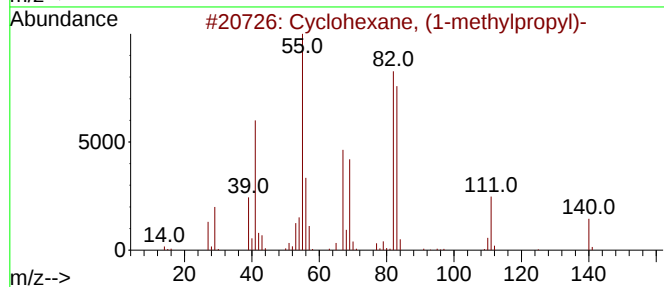
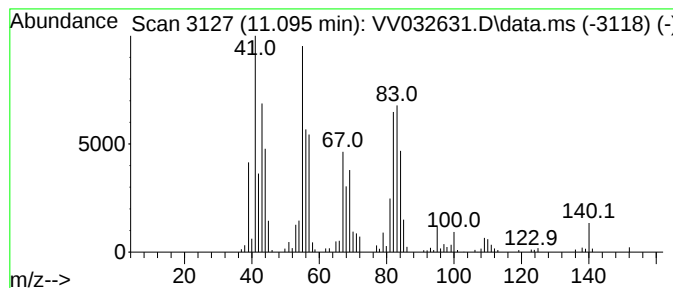
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 22 (DEL) Alkane: Cyclic11.095 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.095	1.22 ug/L	170077	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	55
2			Octanal	128	C8H16O	000124-13-0	49
3			Octanal	128	C8H16O	000124-13-0	47
4			Octanal	128	C8H16O	000124-13-0	43
5			Octanal	128	C8H16O	000124-13-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

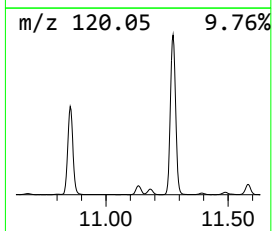
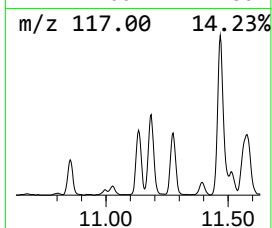
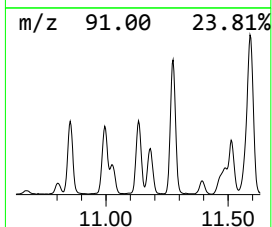
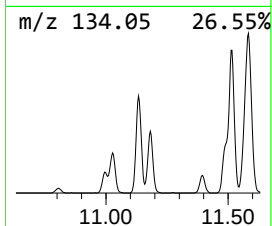
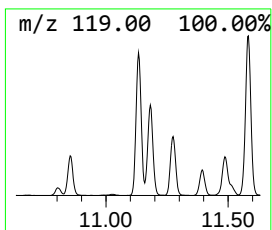
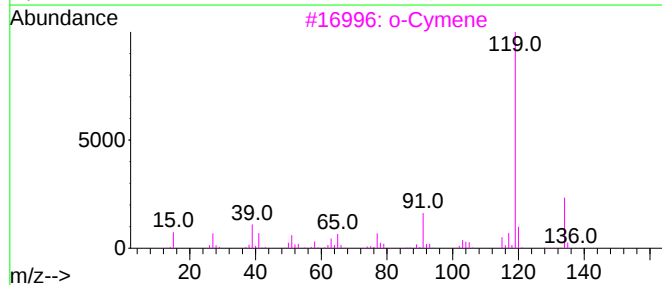
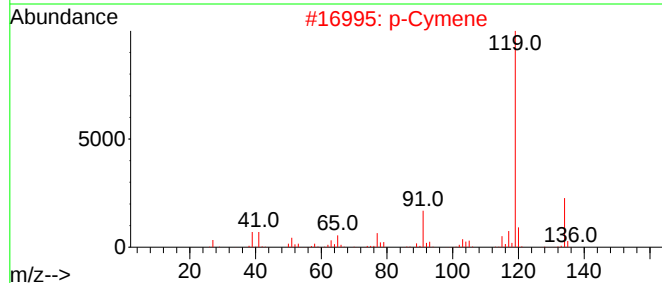
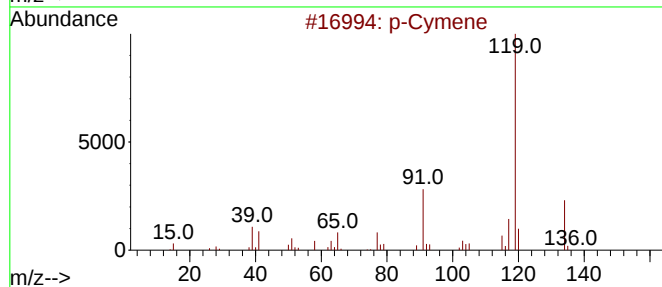
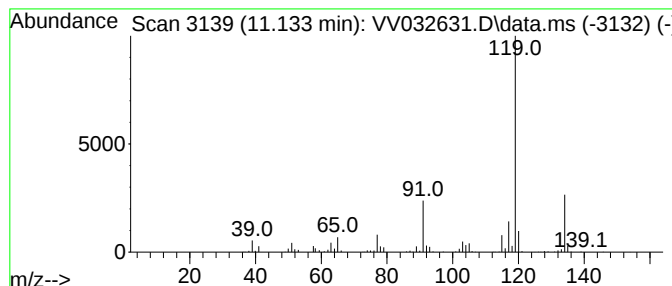
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 23 p-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.133	3.14 ug/L	436912	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene			134	C10H14	000099-87-6	97
2	p-Cymene			134	C10H14	000099-87-6	97
3	o-Cymene			134	C10H14	000527-84-4	97
4	Benzene, 1-methyl-3-(1-methyleth...			134	C10H14	000535-77-3	95
5	p-Cymene			134	C10H14	000099-87-6	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

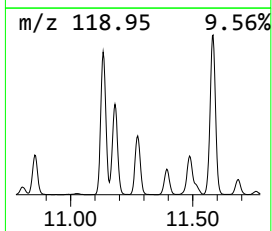
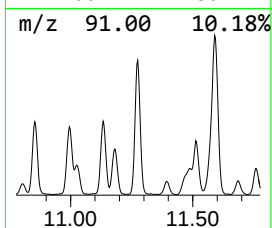
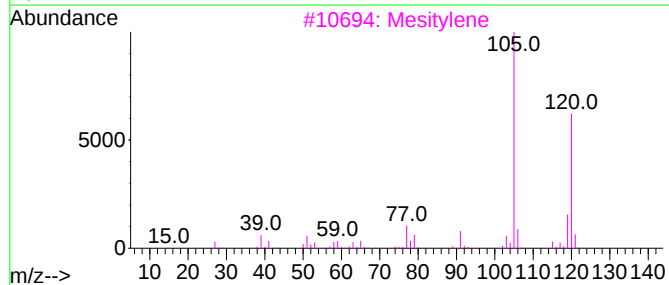
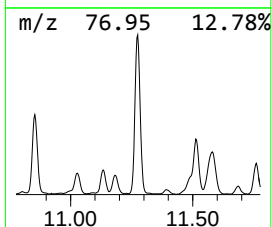
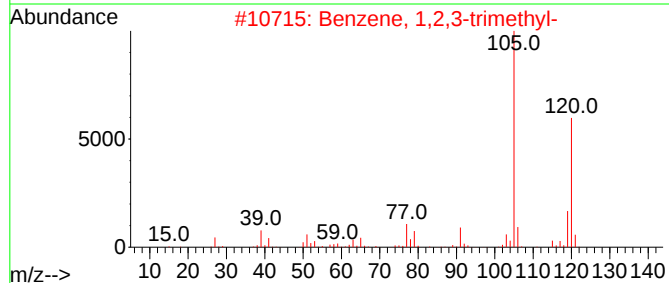
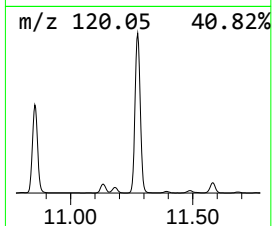
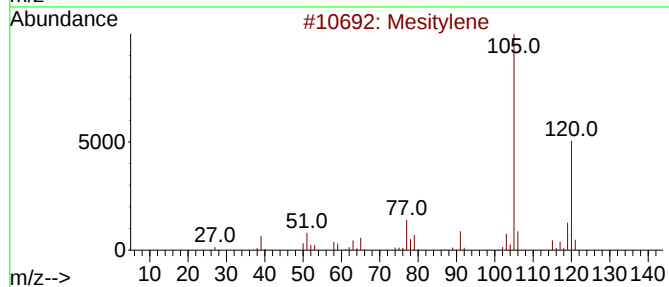
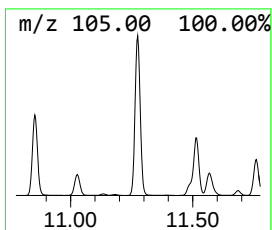
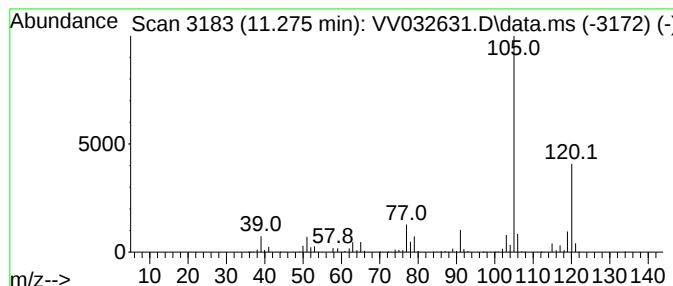
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 24 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	13.51 ug/L	1880550	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Mesitylene	120	C9H12	000108-67-8	97
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3			Mesitylene	120	C9H12	000108-67-8	94
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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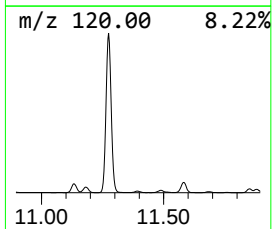
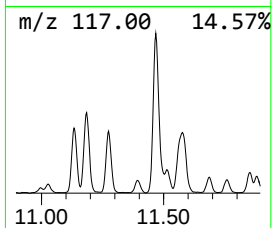
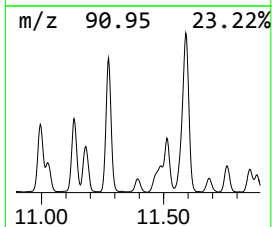
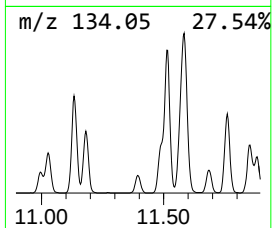
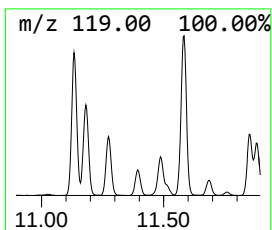
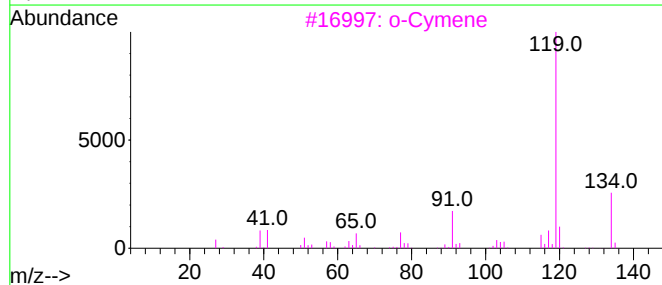
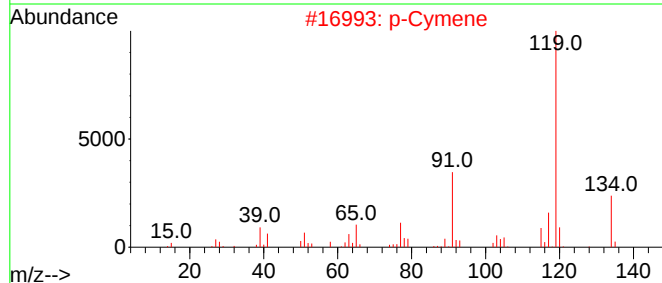
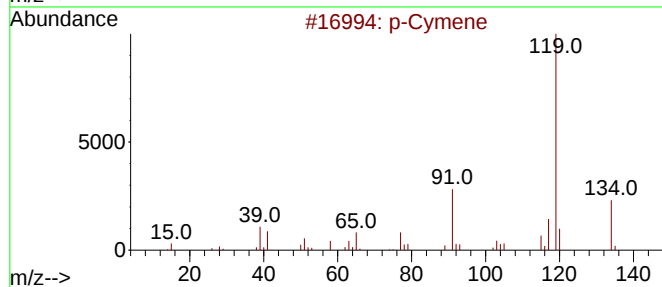
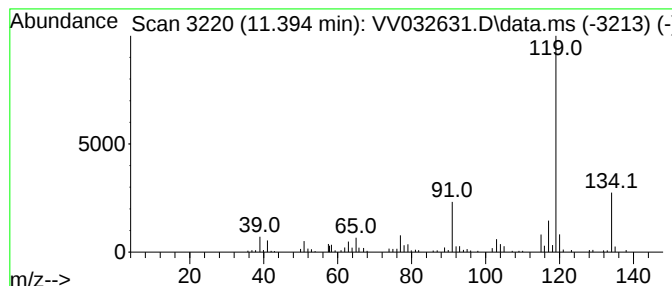
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 25 o-Cymene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.394	0.72 ug/L	100728	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	97
2			p-Cymene	134	C10H14	000099-87-6	95
3			o-Cymene	134	C10H14	000527-84-4	94
4			o-Cymene	134	C10H14	000527-84-4	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

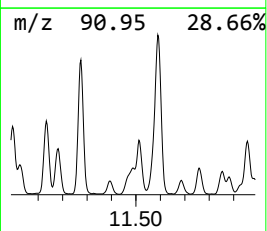
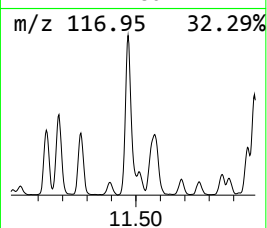
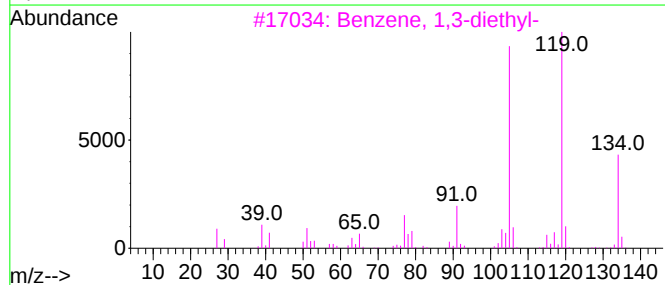
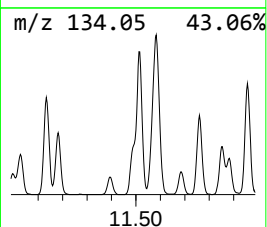
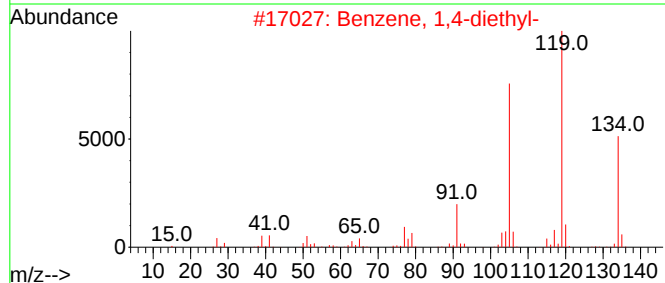
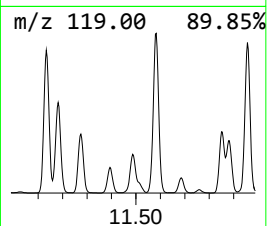
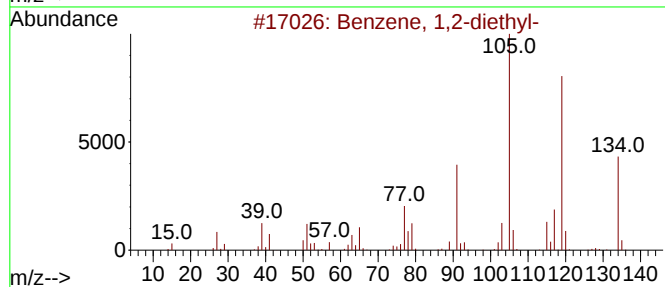
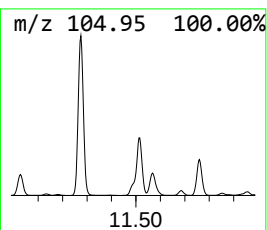
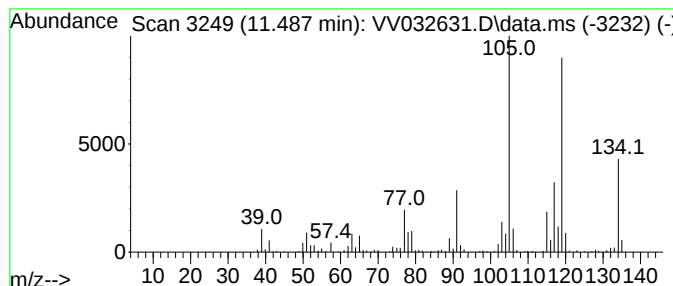
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 26 Benzene, 1,2-diethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.487	2.60 ug/L	362393	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

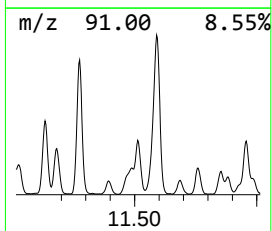
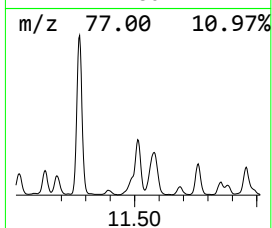
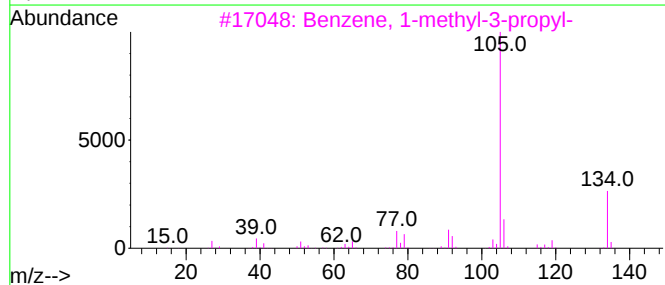
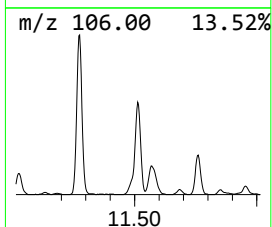
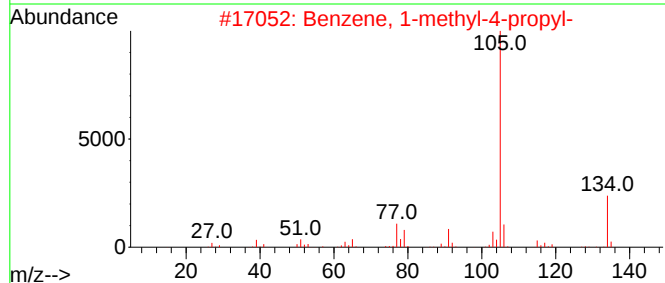
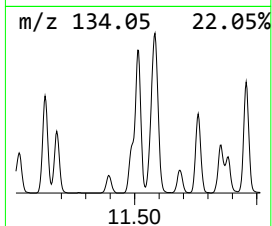
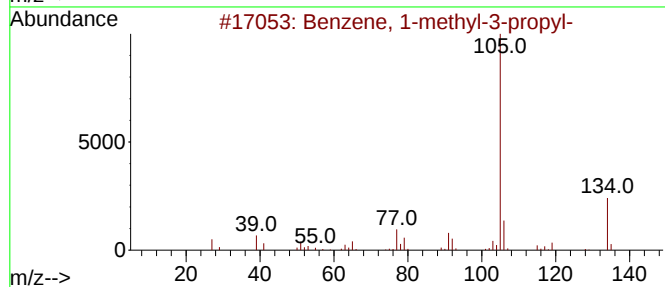
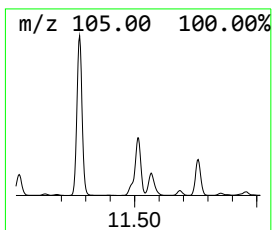
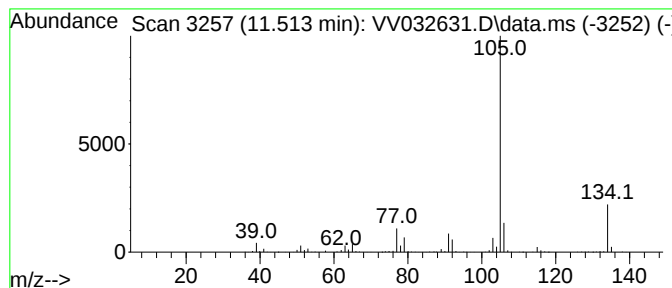
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 27 Benzene, 1-methyl-3-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.513	4.73 ug/L	659181	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

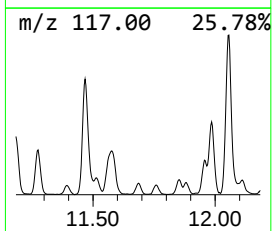
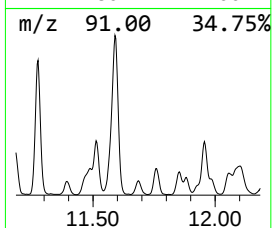
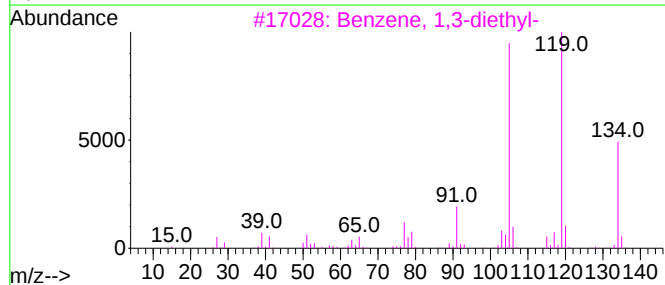
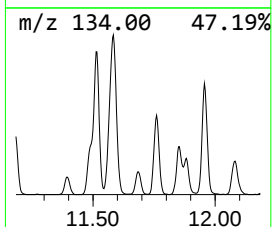
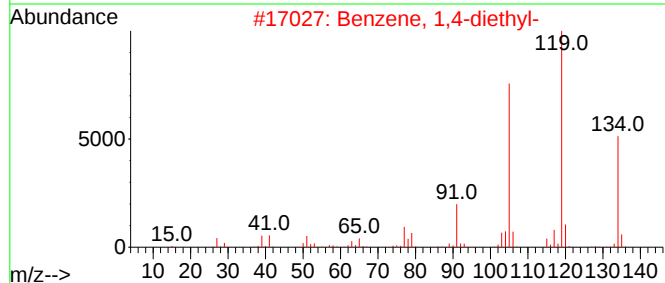
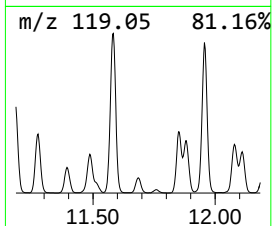
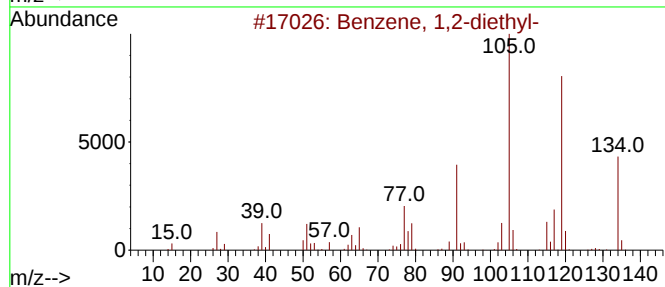
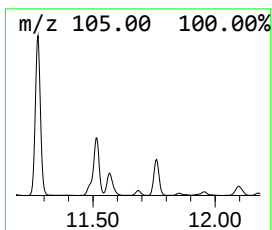
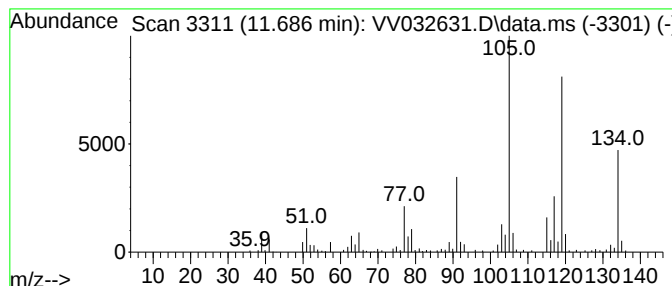
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 28 Benzene, 1,4-diethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.686	0.81 ug/L	112686	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

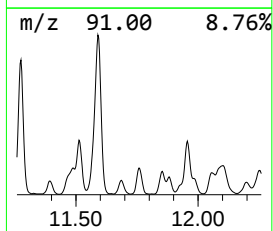
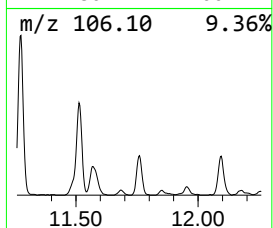
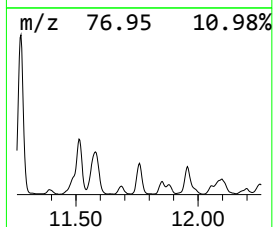
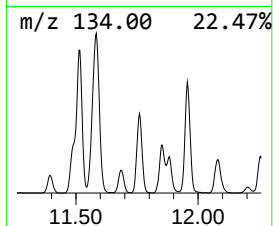
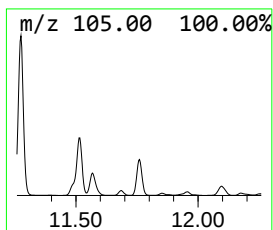
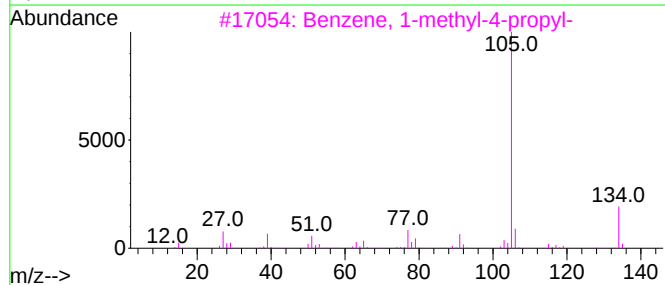
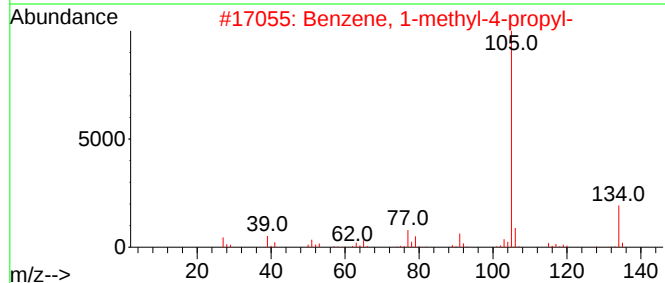
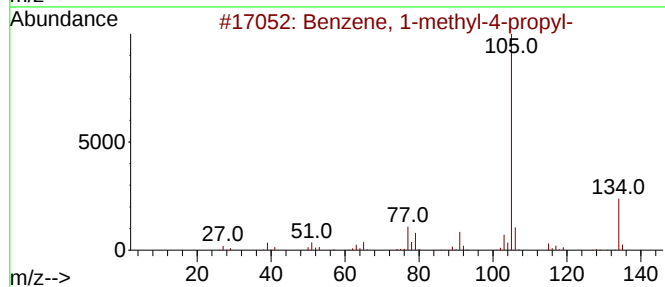
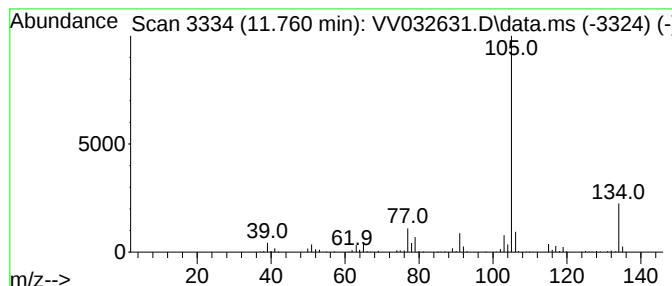
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 29 Benzene, 1-methyl-2-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.760	2.66 ug/L	370595	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

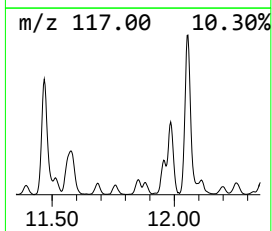
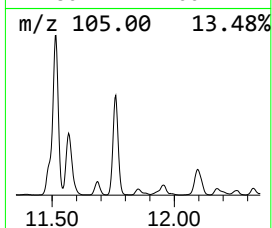
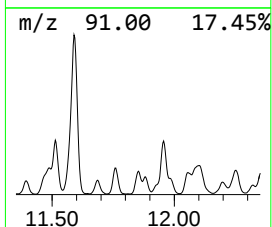
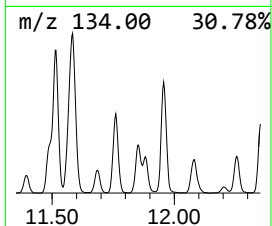
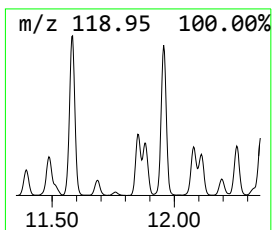
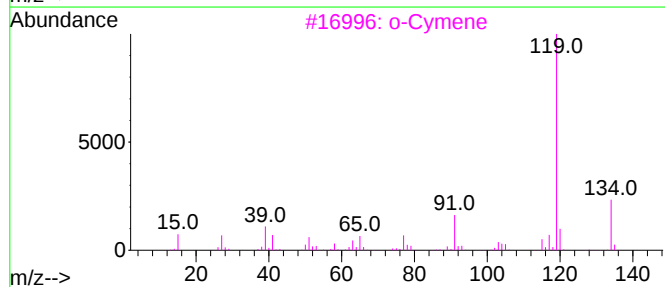
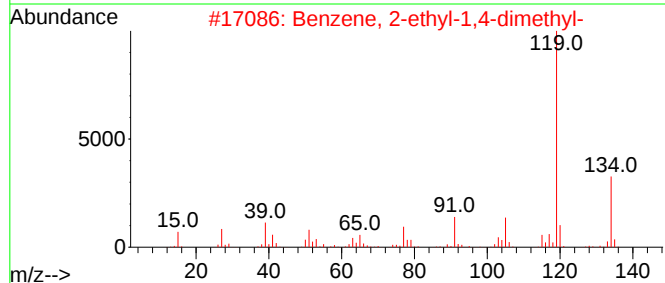
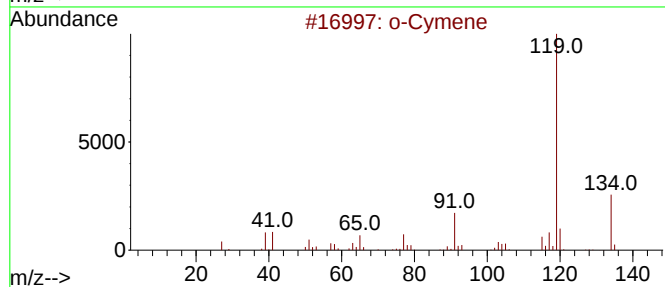
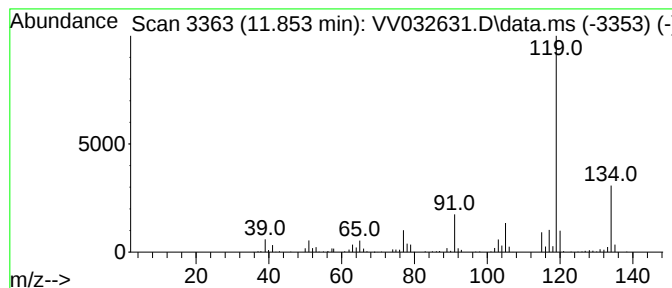
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 30 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.853	1.41 ug/L	196239	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	97
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
3			o-Cymene	134	C10H14	000527-84-4	97
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
5			o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

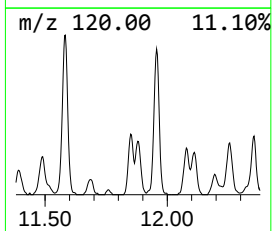
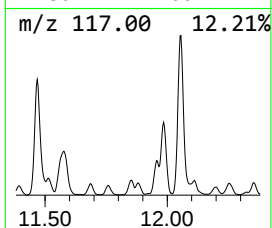
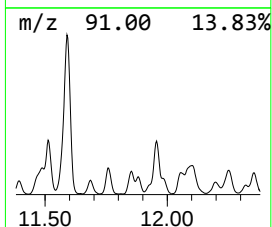
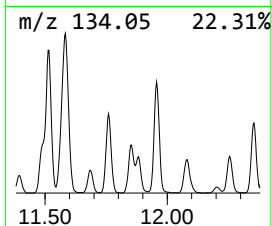
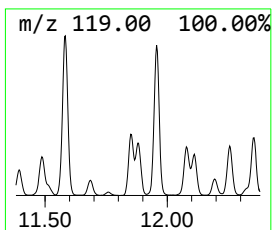
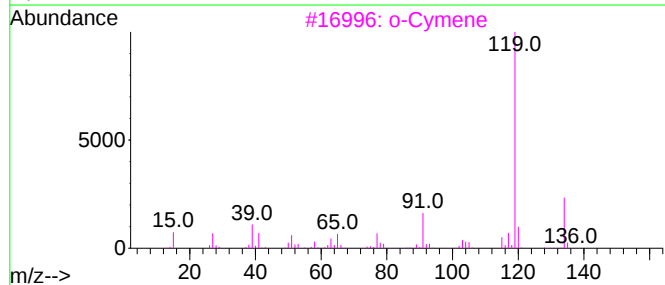
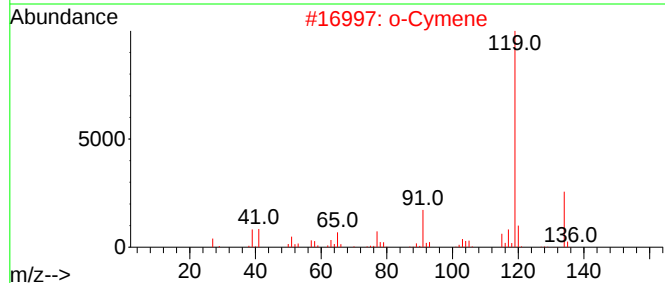
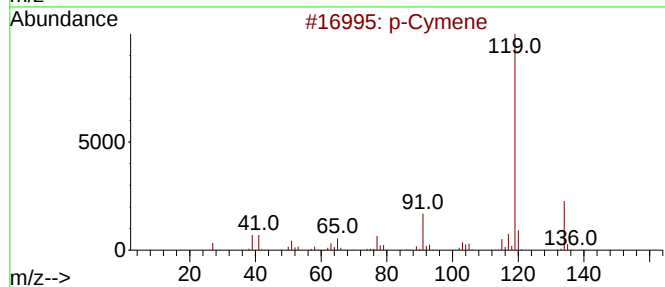
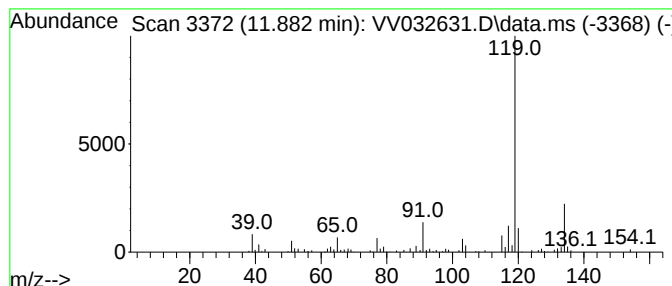
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 31 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.882	0.90 ug/L	124984	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			o-Cymene	134	C10H14	000527-84-4	94
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

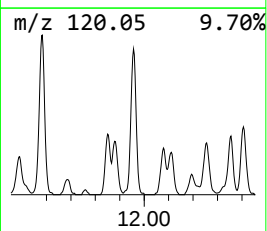
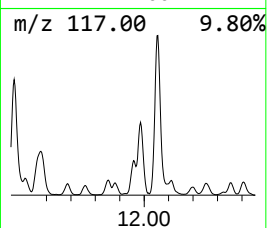
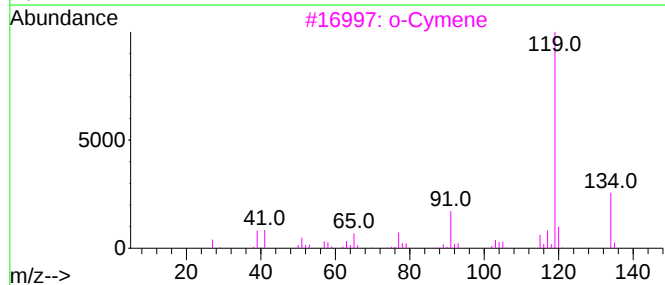
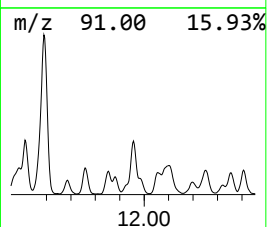
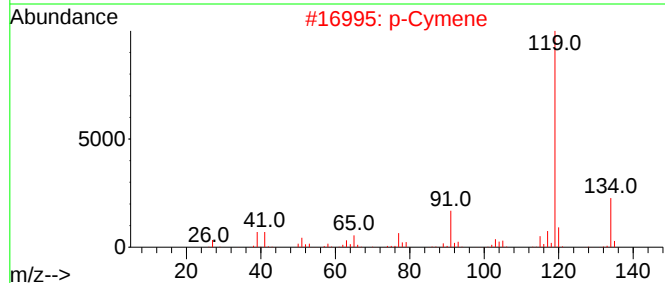
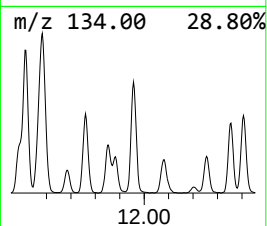
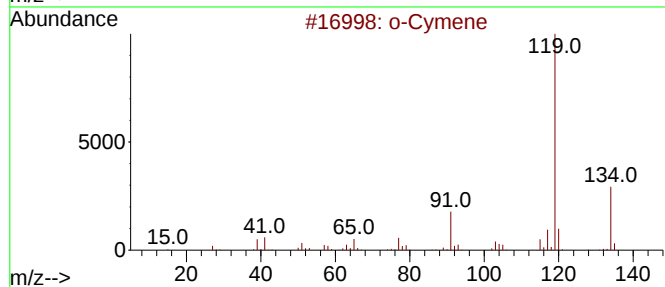
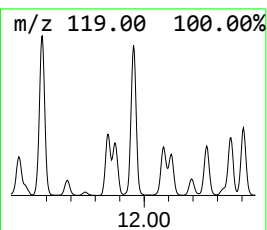
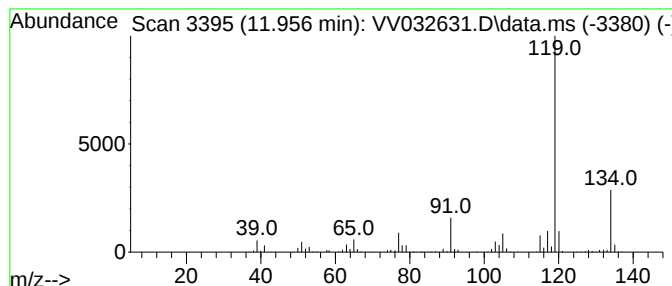
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 32 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.956	3.49 ug/L	486362	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			p-Cymene	134	C10H14	000099-87-6	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

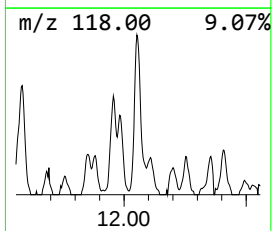
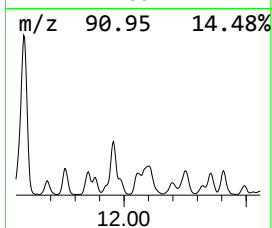
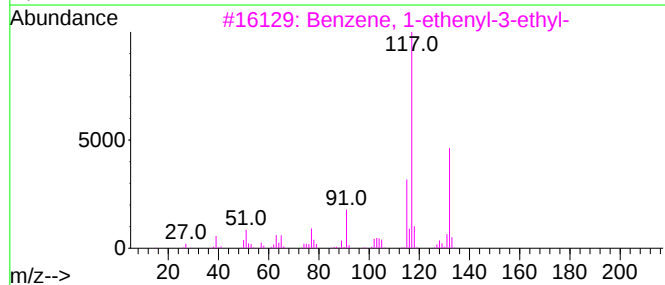
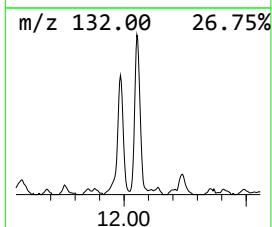
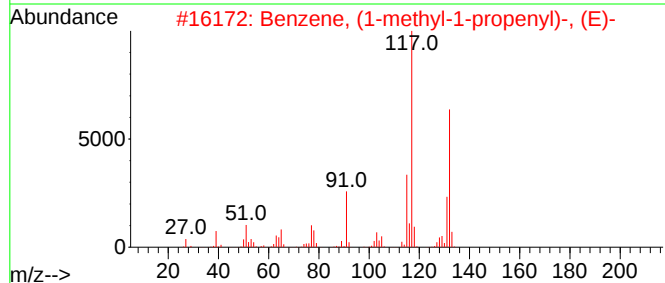
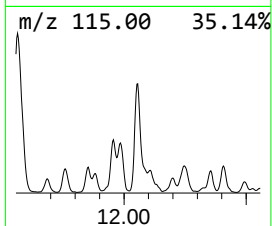
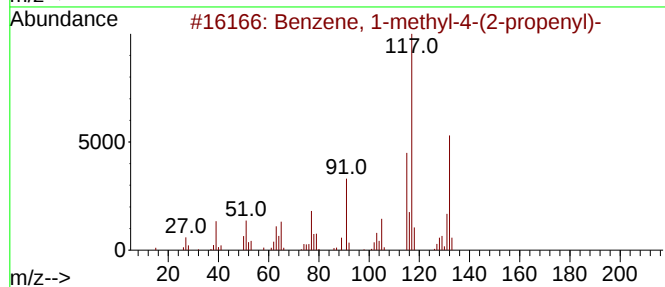
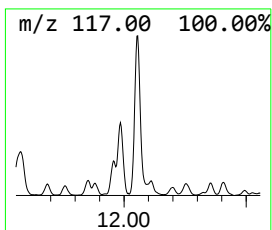
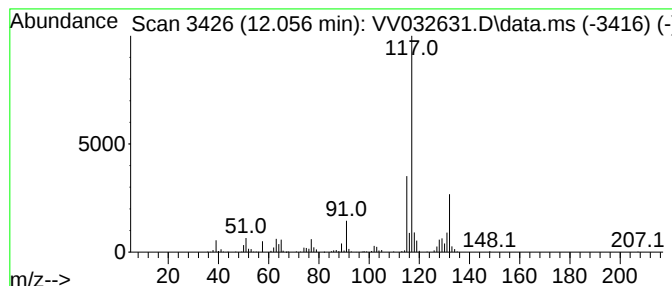
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 33 Benzene, 1-methyl-4-(2-prop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.056	1.80 ug/L	251238	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
2			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
3			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
4			Indan, 1-methyl-	132	C10H12	000767-58-8	81
5			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

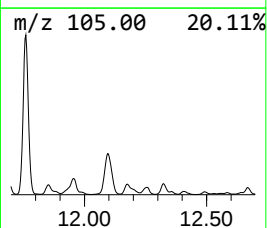
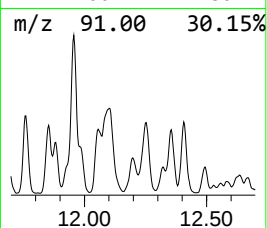
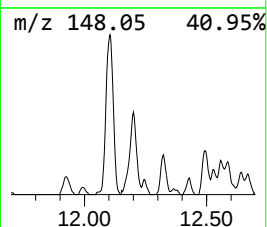
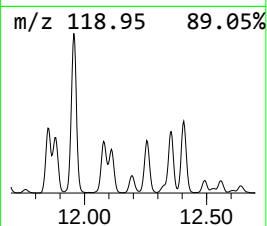
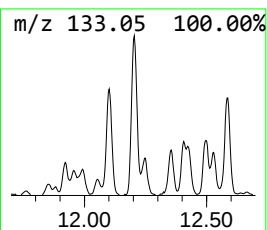
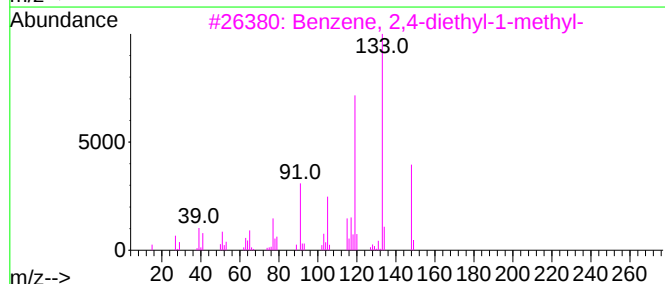
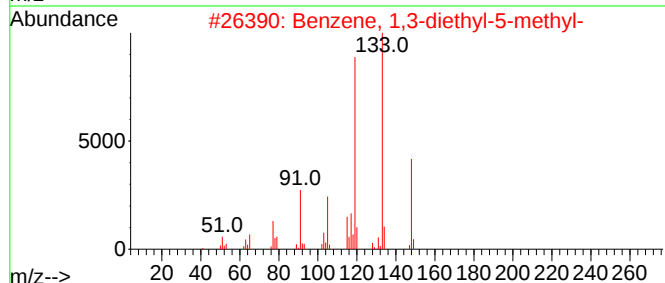
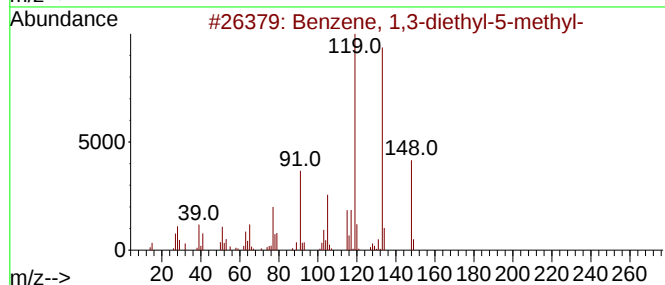
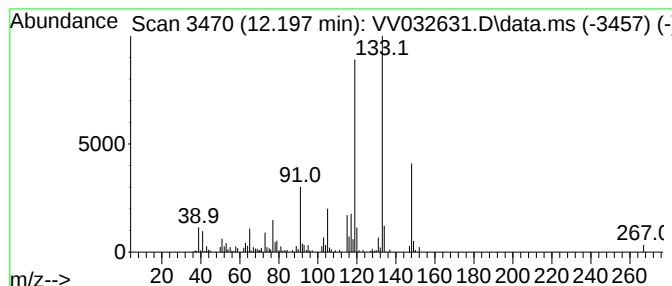
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 34 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	1.01 ug/L	140347	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	98
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	98
3			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	96
4			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	89
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

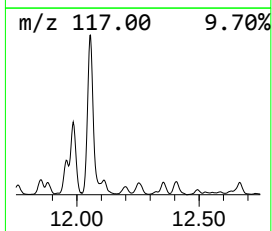
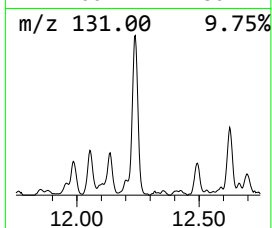
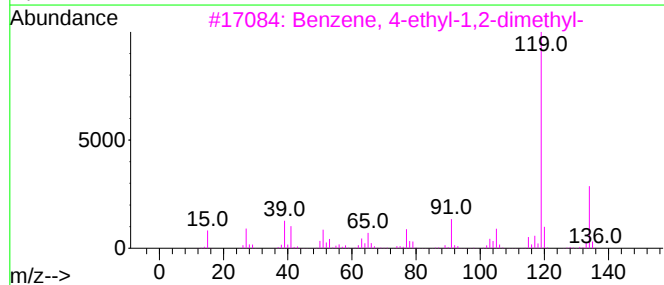
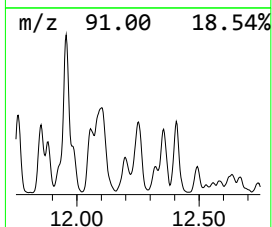
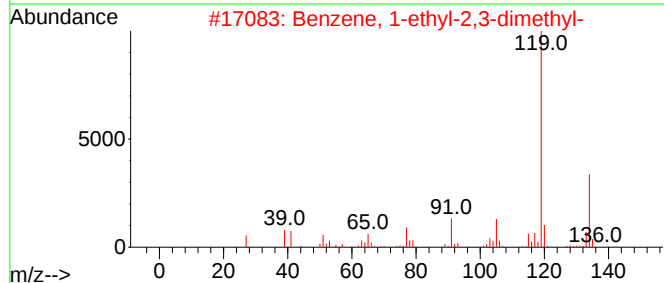
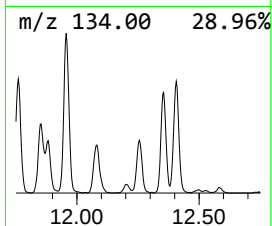
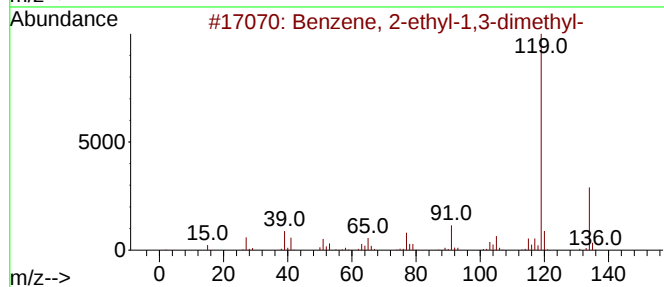
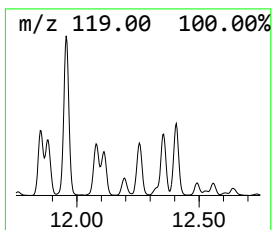
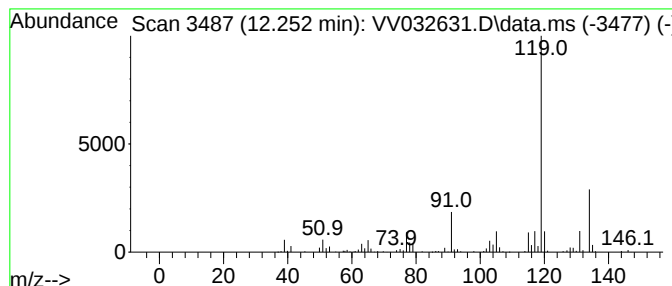
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 35 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.252	1.21 ug/L	167837	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4			o-Cymene	134	C10H14	000527-84-4	94
5			p-Cymene	134	C10H14	000099-87-6	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

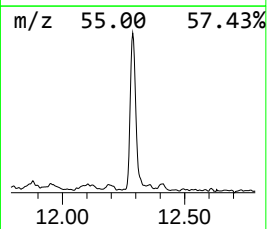
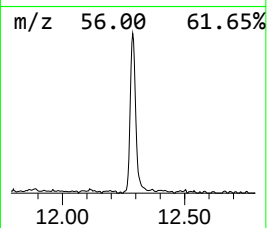
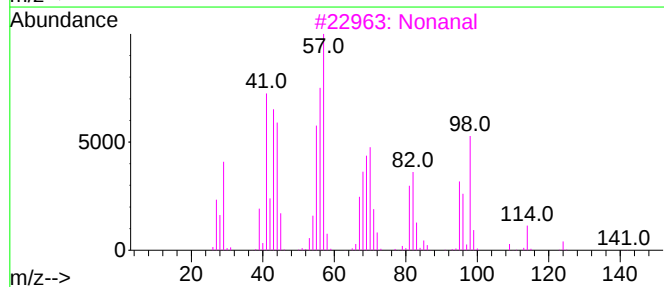
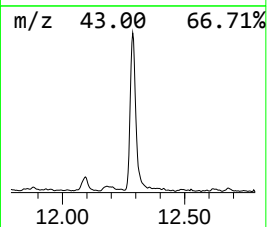
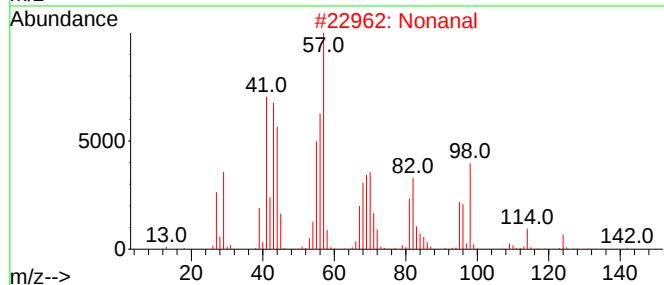
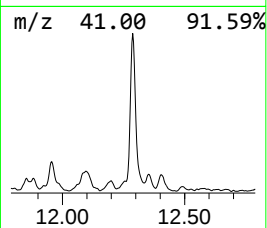
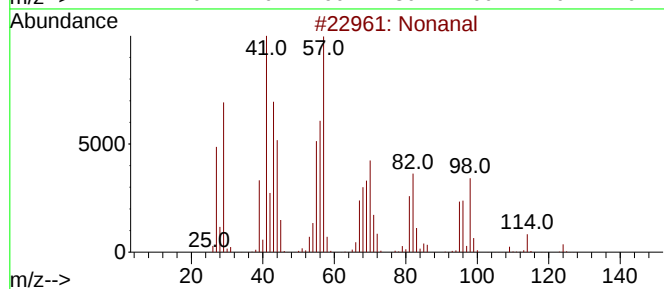
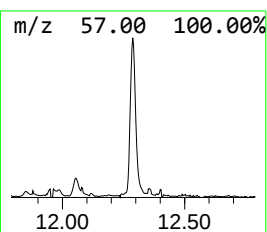
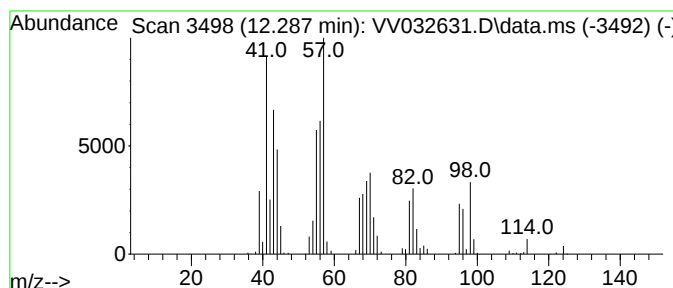
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 36 Nonanal Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.288	1.48 ug/L	205844	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanal	142	C9H18O	000124-19-6	91
2			Nonanal	142	C9H18O	000124-19-6	91
3			Nonanal	142	C9H18O	000124-19-6	90
4			Nonanal	142	C9H18O	000124-19-6	90
5			Cyclohexanol, 2-methyl-, trans-	114	C7H14O	007443-52-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

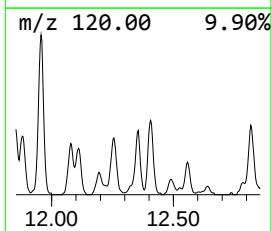
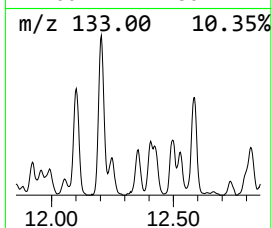
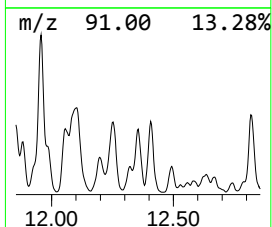
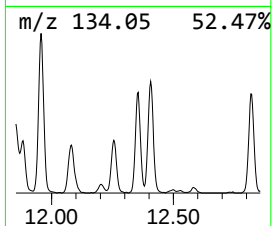
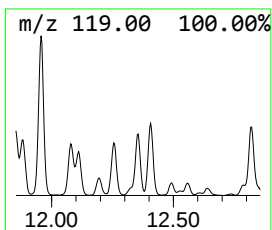
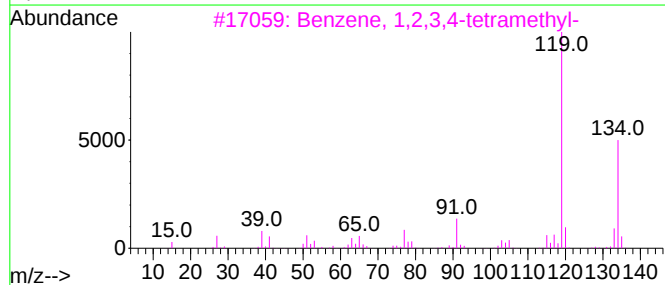
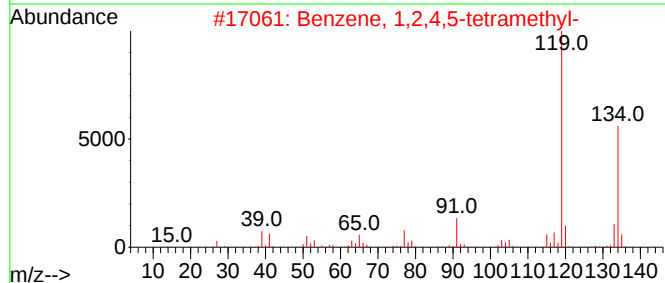
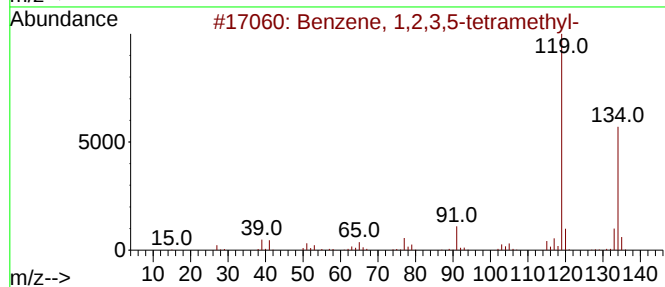
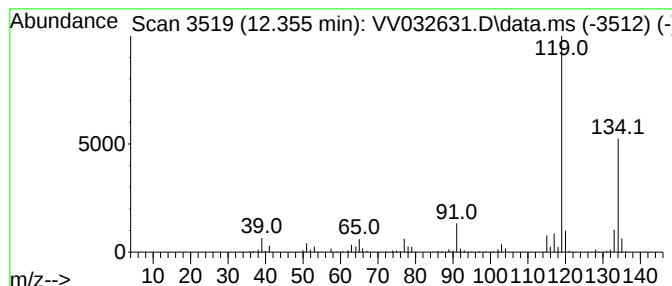
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 37 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.355	1.23 ug/L	171900	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

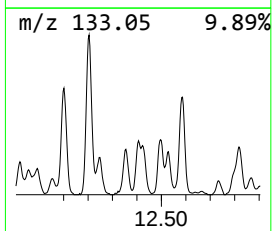
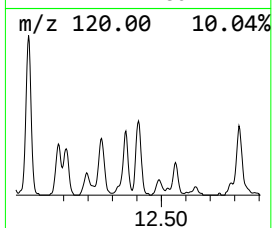
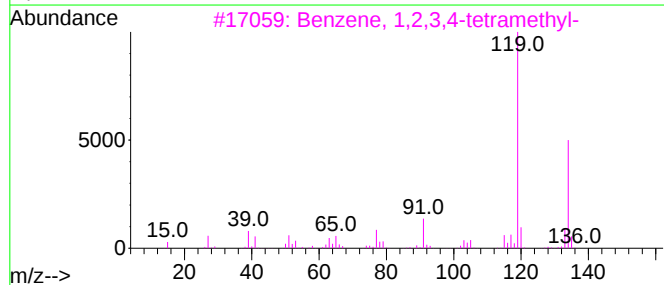
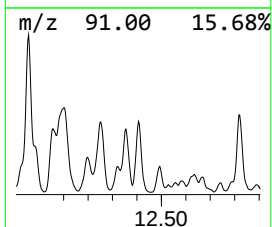
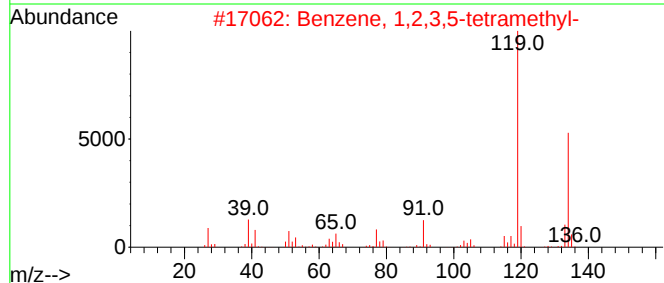
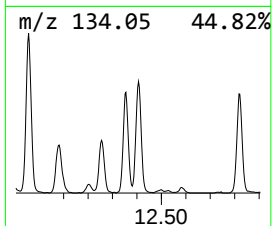
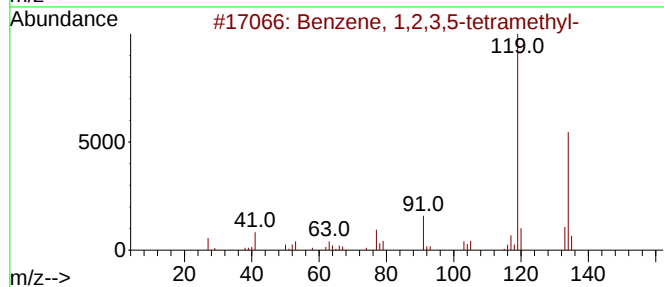
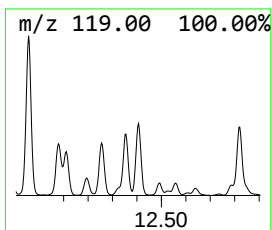
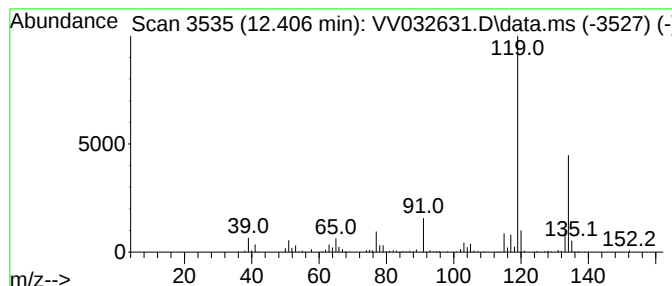
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 38 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.406	1.78 ug/L	247278	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
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			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

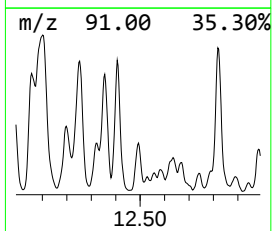
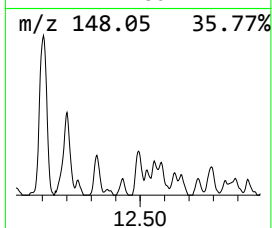
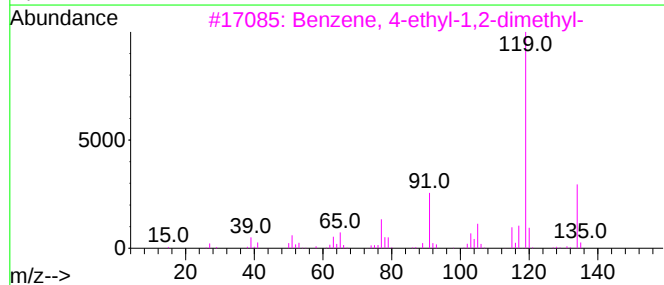
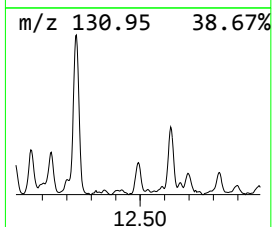
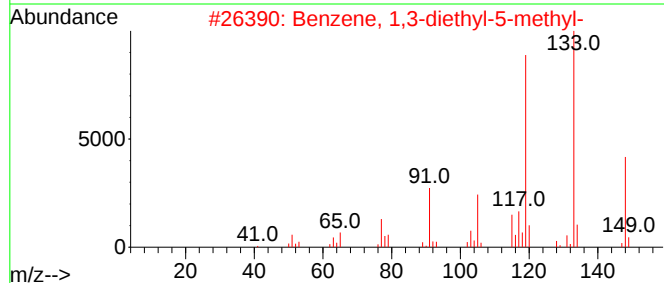
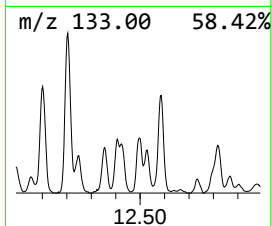
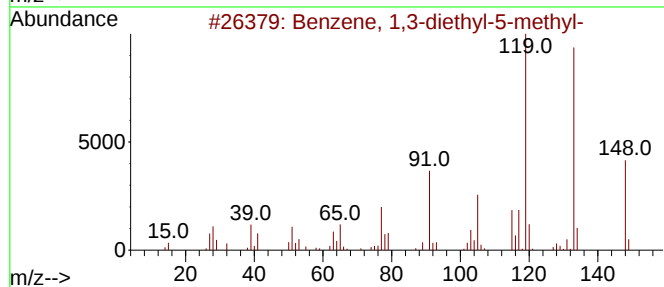
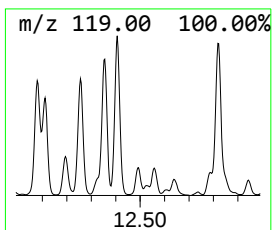
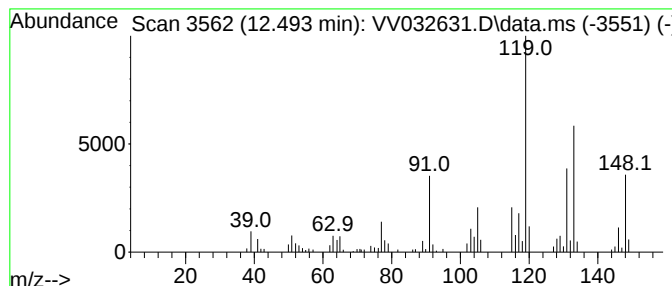
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 39 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.493	0.54 ug/L	75608	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

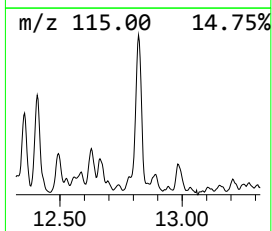
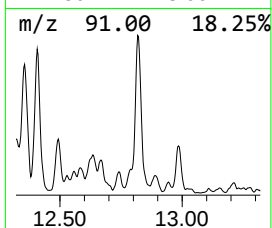
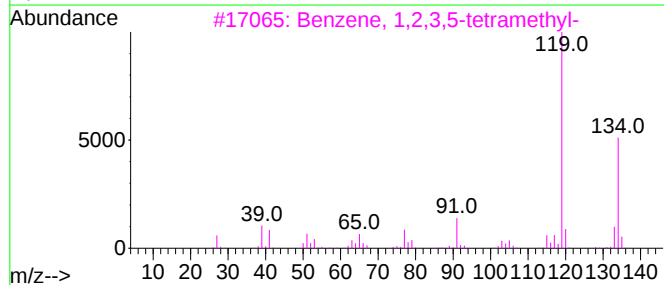
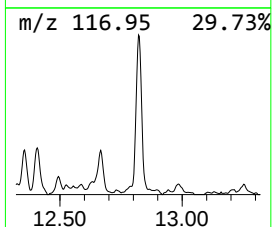
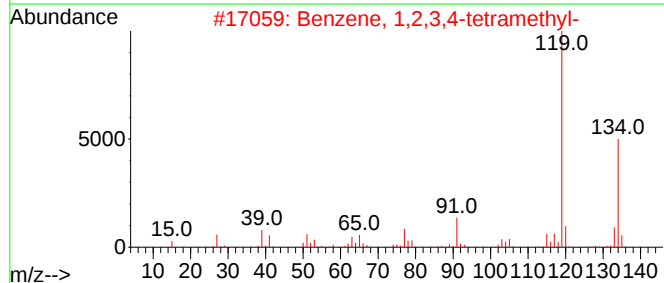
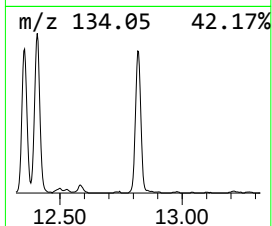
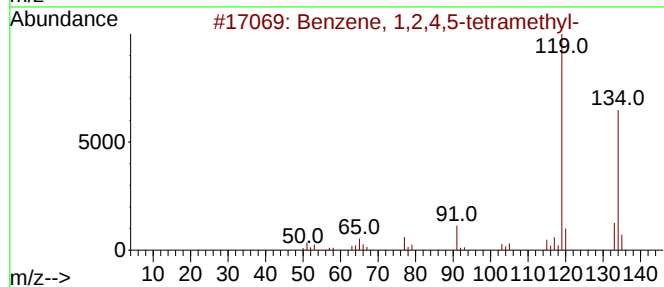
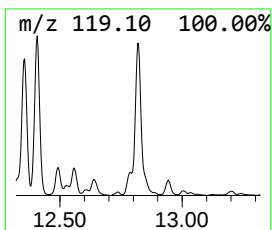
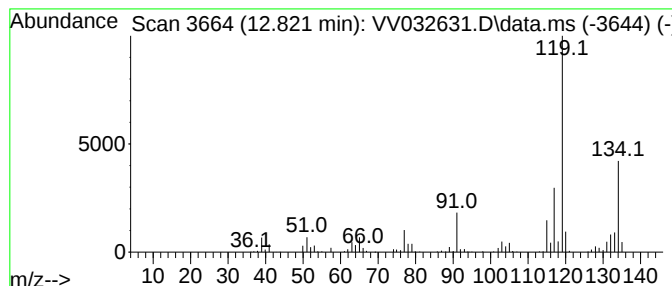
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 40 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.821	2.25 ug/L	313333	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102523\
Data File : VV032631.D
Acq On : 25 Oct 2023 14:27
Operator : SY/MD
Sample : 04992-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AJ9

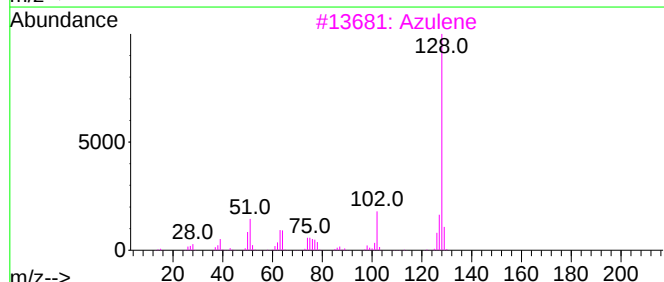
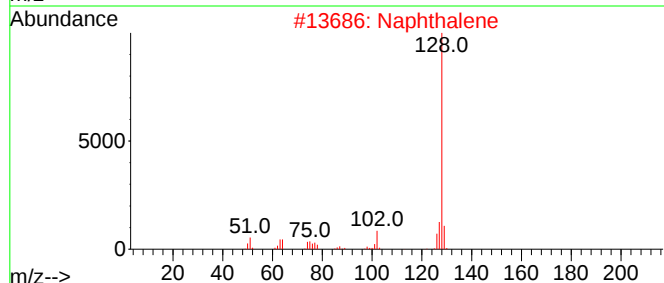
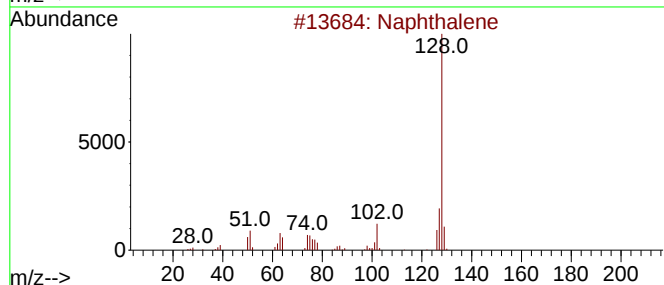
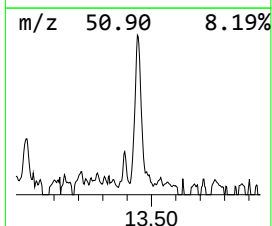
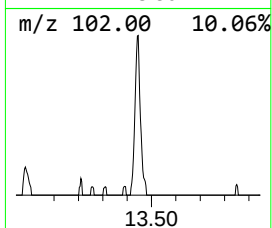
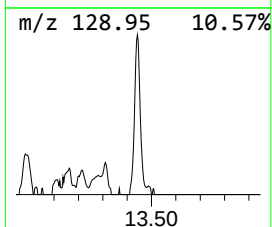
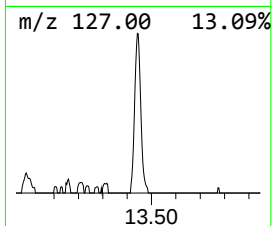
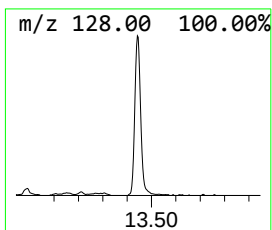
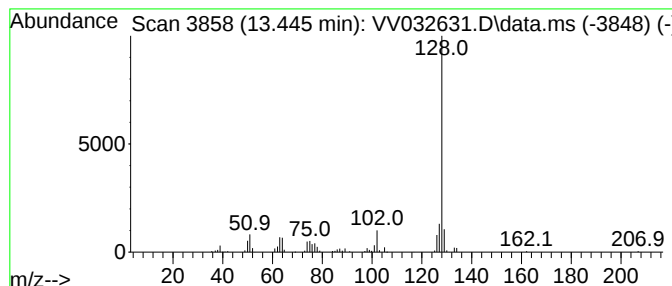
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 41 Azulene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	0.85 ug/L	117918	1,4-Dichlorobenzene-d4	11.188

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			Azulene	128	C10H8	000275-51-4	95
4			Naphthalene	128	C10H8	000091-20-3	94
5			Naphthalene	128	C10H8	000091-20-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102523\
 Data File : VW032631.D
 Acq On : 25 Oct 2023 14:27
 Operator : SY/MD
 Sample : 04992-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	1.085	3.3	ug/L	173135	1	5.535	266226	5.0
(DEL) Alkane: C...	8.172	0.6	ug/L	45891	2	8.786	401312	5.0
(DEL) Alkane: C...	8.223	0.9	ug/L	75528	2	8.786	401312	5.0
(DEL) Alkane: C...	8.284	1.0	ug/L	78479	2	8.786	401312	5.0
(DEL) Alkane: C...	8.529	0.7	ug/L	53148	2	8.786	401312	5.0
Pentalene, octa...	8.870	0.7	ug/L	53648	2	8.786	401312	5.0
(DEL) Alkane: C...	9.130	0.9	ug/L	72780	2	8.786	401312	5.0
Methyl ethyl cy...	9.252	0.7	ug/L	54609	2	8.786	401312	5.0
(DEL) Alkane: C...	9.413	2.3	ug/L	182312	2	8.786	401312	5.0
1H-Indene, octa...	9.641	2.9	ug/L	233286	2	8.786	401312	5.0
(DEL) Alkane: C...	9.735	3.6	ug/L	285609	2	8.786	401312	5.0
3-Octyne, 2-met...	10.063	0.6	ug/L	77566	3	11.188	696160	5.0
Benzene, propyl-	10.291	3.5	ug/L	494511	3	11.188	696160	5.0
Benzene, 1-ethy...	10.387	10.3	ug/L	1427660	3	11.188	696160	5.0
Pentalene, octa...	10.670	1.1	ug/L	147206	3	11.188	696160	5.0
Benzene, (2-met...	10.995	0.8	ug/L	106129	3	11.188	696160	5.0
Benzene, 1-meth...	11.027	1.7	ug/L	232638	3	11.188	696160	5.0
(DEL) Alkane: C...	11.095	1.2	ug/L	170077	3	11.188	696160	5.0
p-Cymene	11.133	3.1	ug/L	436912	3	11.188	696160	5.0
Benzene, 1,2,3-...	11.275	13.5	ug/L	1880550	3	11.188	696160	5.0
o-Cymene	11.394	0.7	ug/L	100728	3	11.188	696160	5.0
Benzene, 1,2-di...	11.487	2.6	ug/L	362393	3	11.188	696160	5.0
Benzene, 1-meth...	11.513	4.7	ug/L	659181	3	11.188	696160	5.0
Benzene, 1,4-di...	11.686	0.8	ug/L	112686	3	11.188	696160	5.0
Benzene, 1-meth...	11.760	2.7	ug/L	370595	3	11.188	696160	5.0
Benzene, 2-ethy...	11.853	1.4	ug/L	196239	3	11.188	696160	5.0
Benzene, 1,2,4,...	11.882	0.9	ug/L	124984	3	11.188	696160	5.0
Benzene, 1-ethy...	11.956	3.5	ug/L	486362	3	11.188	696160	5.0
Benzene, 1-meth...	12.056	1.8	ug/L	251238	3	11.188	696160	5.0
Benzene, 1,3-di...	12.198	1.0	ug/L	140347	3	11.188	696160	5.0
Benzene, 2-ethy...	12.252	1.2	ug/L	167837	3	11.188	696160	5.0
Nonanal	12.288	1.5	ug/L	205844	3	11.188	696160	5.0
Benzene, 1,2,3,...	12.355	1.2	ug/L	171900	3	11.188	696160	5.0
Benzene, 1,2,3,...	12.406	1.8	ug/L	247278	3	11.188	696160	5.0
Benzene, 4-ethy...	12.493	0.5	ug/L	75608	3	11.188	696160	5.0
Benzene, 1-ethy...	12.821	2.3	ug/L	313333	3	11.188	696160	5.0
Azulene	13.445	0.8	ug/L	117918	3	11.188	696160	5.0