

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021924\
 Data File : VV034249.D
 Acq On : 19 Feb 2024 17:32
 Operator : SY/MD
 Sample : P1503-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DCNC3

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\SFAMVTR012524WMA.M
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV034249.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.089	10	15	30	rVB3	3618	5198	1.51%	0.204%
2	1.243	49	63	64	rBV3	4864	9910	2.87%	0.388%
3	1.278	65	74	86	rVB	36954	44966	13.04%	1.763%
4	1.381	90	106	117	rBV2	13513	54266	15.73%	2.127%
5	1.532	147	153	166	rVB	33100	40243	11.67%	1.578%
6	2.056	307	316	337	rVB	71039	118296	34.29%	4.637%
7	2.513	451	458	469	rVB3	3553	5946	1.72%	0.233%
8	2.706	503	518	550	rBV	158683	344957	100.00%	13.523%
9	3.214	667	676	689	rBV4	2750	6321	1.83%	0.248%
10	3.674	804	819	832	rBB5	4606	11228	3.25%	0.440%
11	3.831	859	868	899	rBV3	14035	56356	16.34%	2.209%
12	4.252	981	999	1025	rBV	40283	102264	29.65%	4.009%
13	4.960	1205	1219	1245	rBV2	90128	227817	66.04%	8.931%
14	5.211	1282	1297	1314	rBV3	11514	29530	8.56%	1.158%
15	5.535	1388	1398	1423	rBV	80213	163664	47.44%	6.416%
16	5.992	1526	1540	1558	rBV2	48763	104383	30.26%	4.092%
17	6.918	1820	1828	1850	rBV2	22080	43450	12.60%	1.703%
18	7.246	1920	1930	1953	rBV	109553	200380	58.09%	7.855%
19	7.561	2020	2028	2049	rBV2	11619	22661	6.57%	0.888%
20	8.030	2164	2174	2208	rBV	84999	191557	55.53%	7.509%
21	8.731	2381	2392	2399	rBV3	2676	4339	1.26%	0.170%
22	8.786	2399	2409	2429	rVV	118710	195204	56.59%	7.652%
23	10.152	2823	2834	2852	rBV	34220	54175	15.70%	2.124%
24	11.188	3145	3156	3176	rBV	124642	198337	57.50%	7.775%
25	11.487	3235	3249	3259	rVB5	15889	25472	7.38%	0.999%
26	11.561	3261	3272	3291	rBV	114101	184140	53.38%	7.219%
27	11.956	3386	3395	3410	rVB	19233	28315	8.21%	1.110%
28	12.352	3508	3518	3532	rBV	18004	26026	7.54%	1.020%
29	12.821	3651	3664	3677	rBV3	32050	47943	13.90%	1.879%
30	15.741	4560	4572	4576	rBV7	2425	3576	1.04%	0.140%

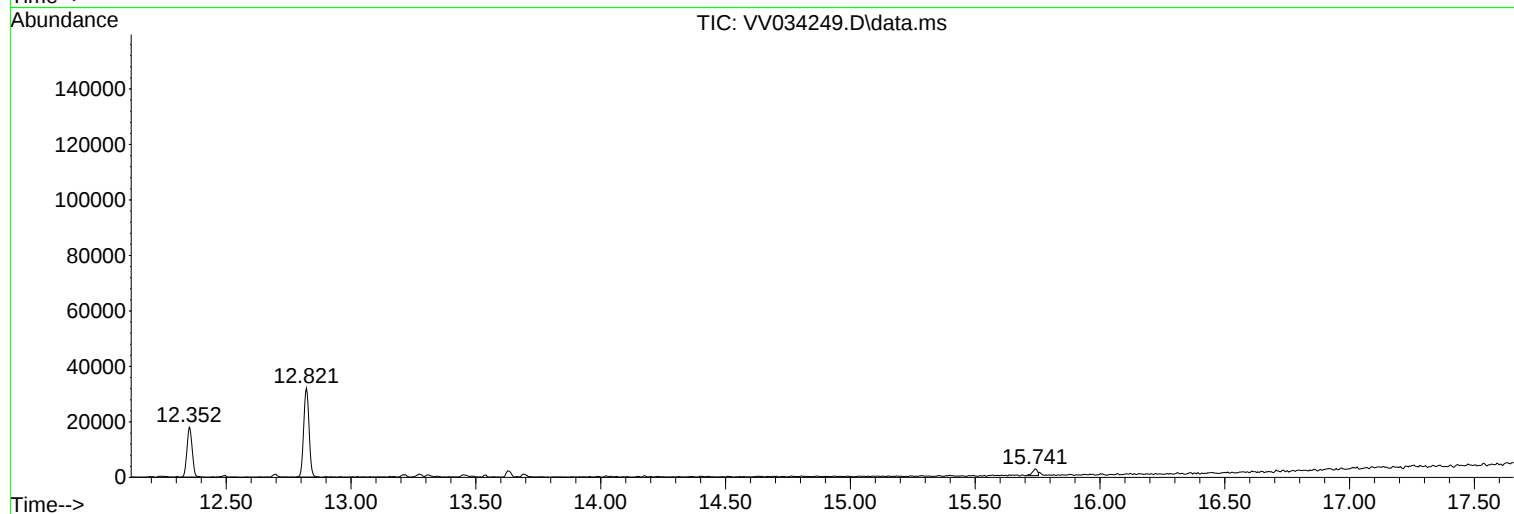
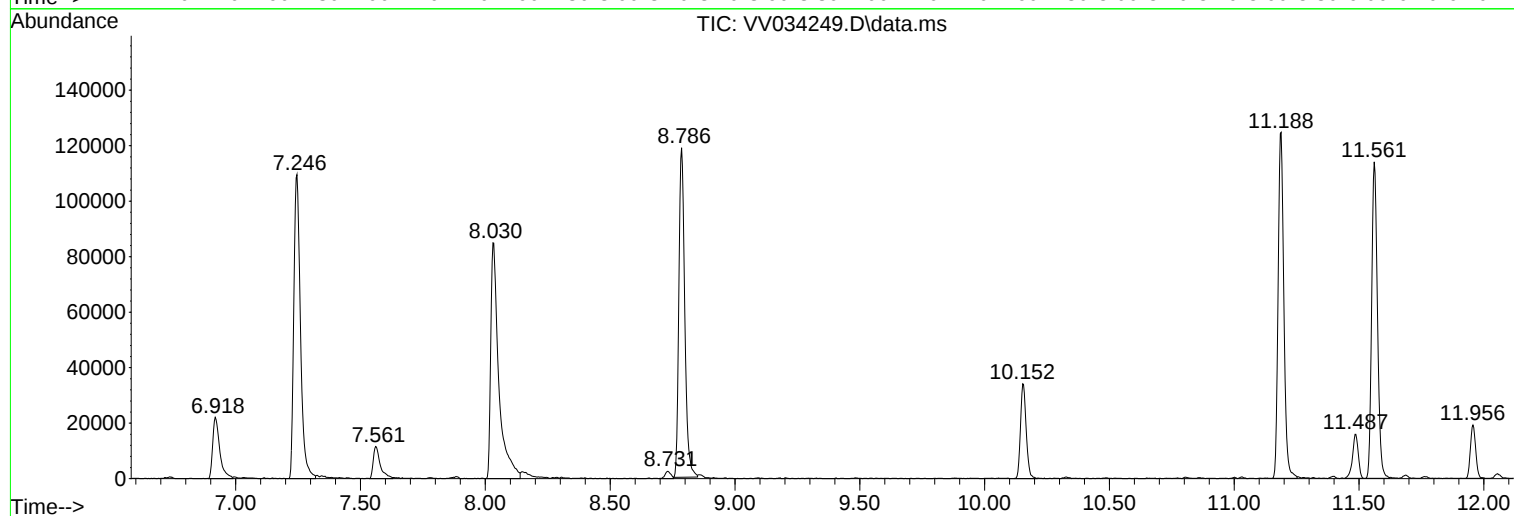
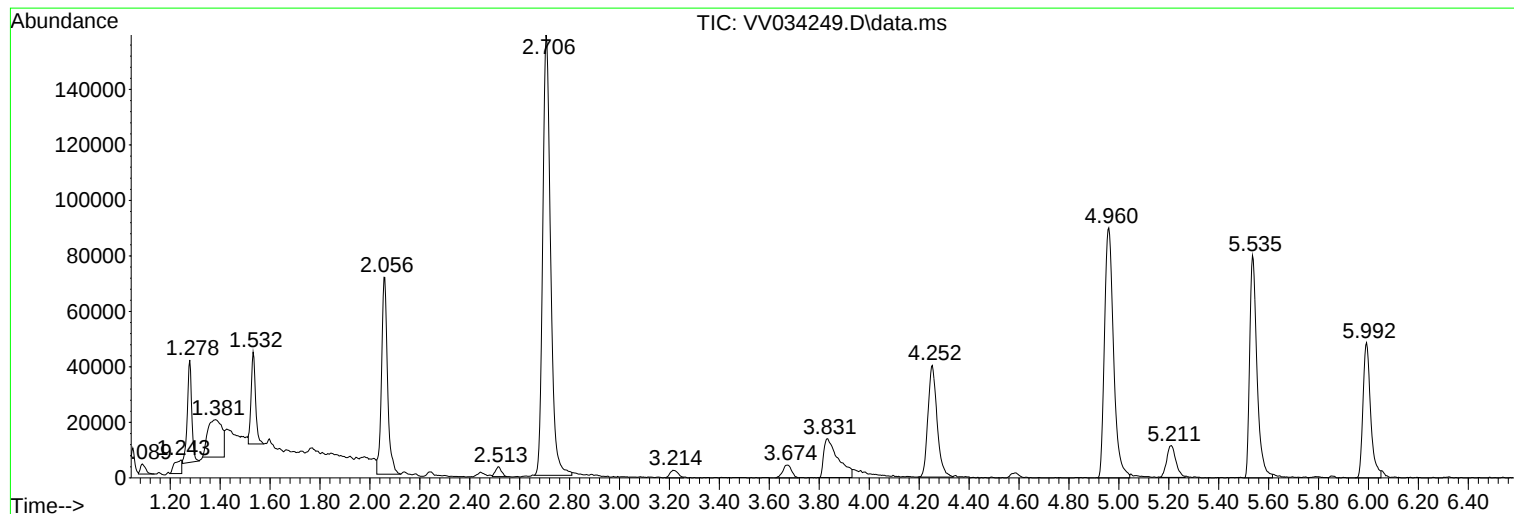
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Quant Title : TRACE VOA SFAM1.0

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



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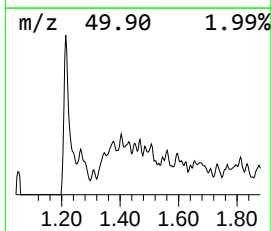
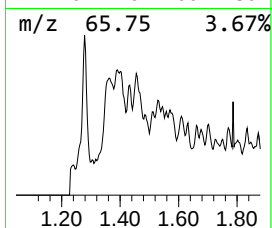
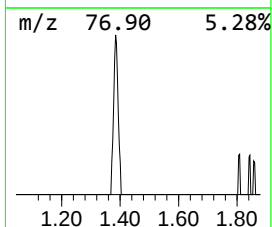
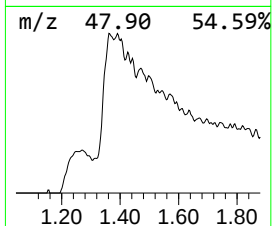
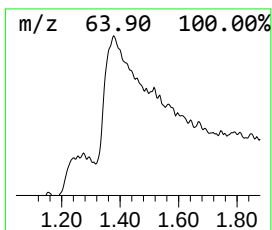
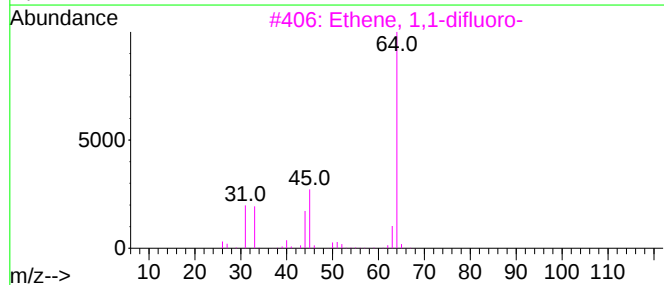
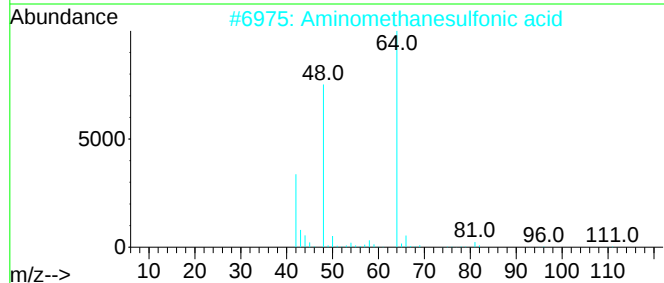
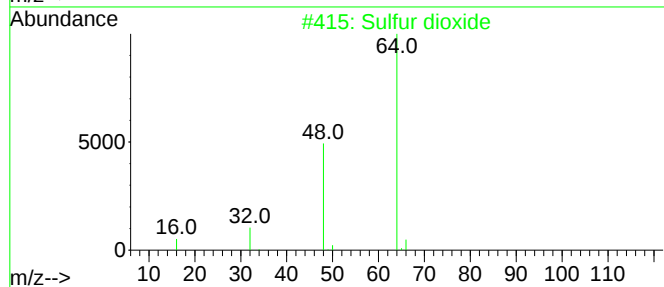
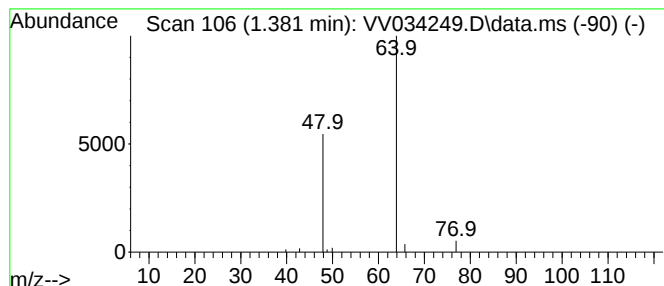
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.381	1.66 ug/L	54266	1,4-Difluorobenzene	5.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfur dioxide	64	O2S	007446-09-5	74
2			Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
3			Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	5
4			Sulfur dioxide	64	O2S	007446-09-5	4
5			L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	4



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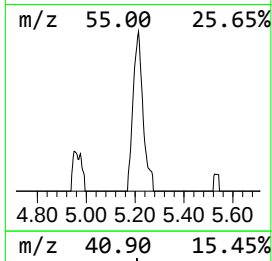
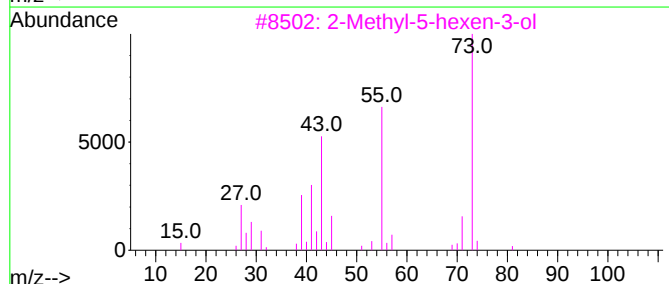
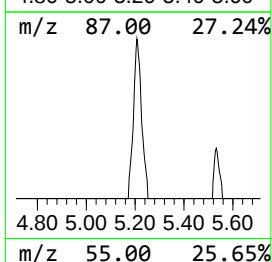
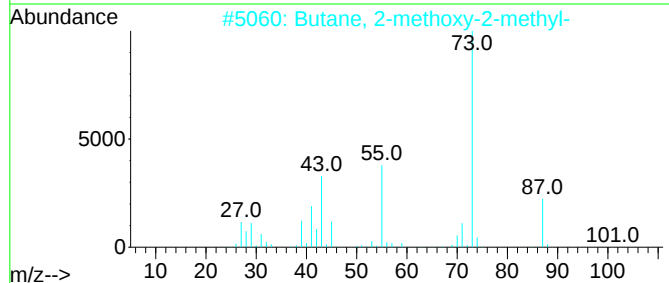
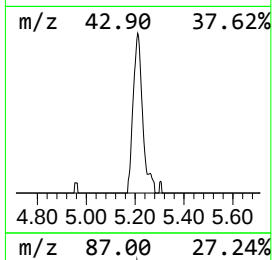
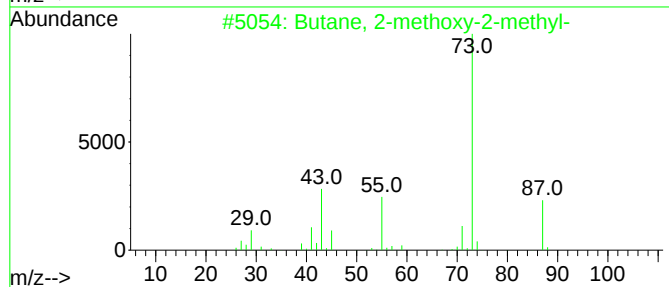
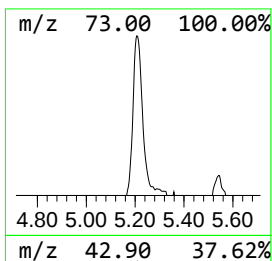
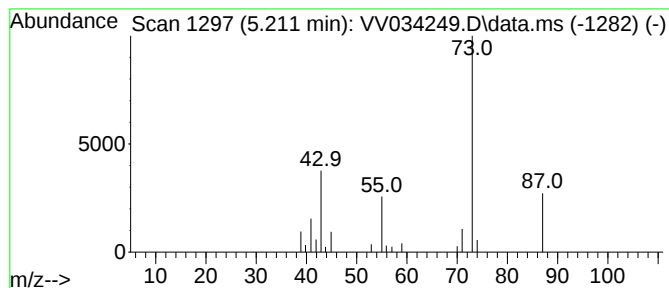
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.211	0.90 ug/L	29530	1,4-Difluorobenzene	5.535

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
3			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5			N-Ethylformamide	73	C3H7NO	000627-45-2	5



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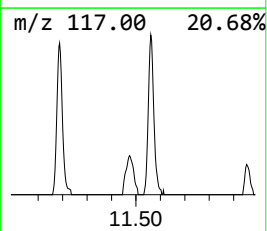
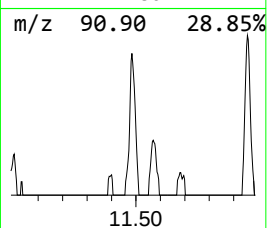
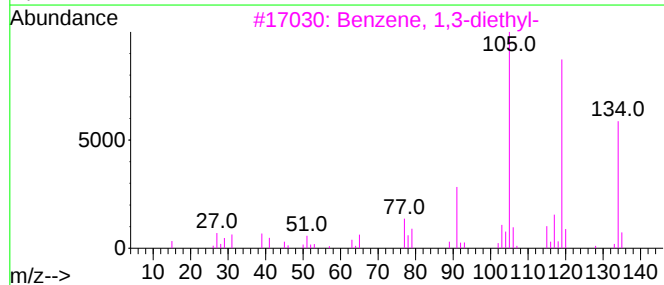
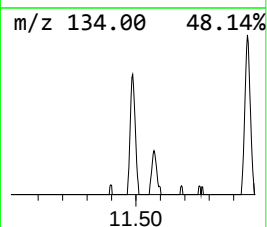
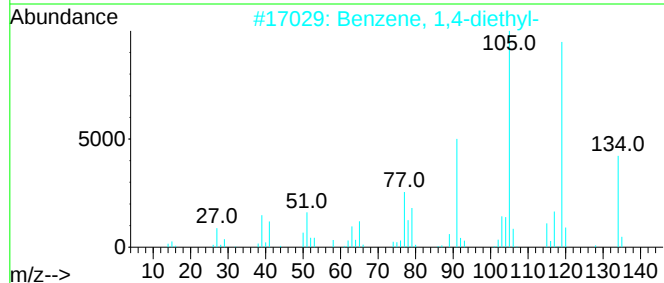
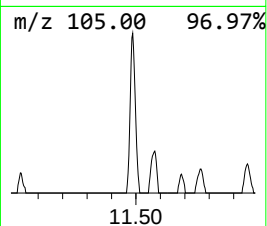
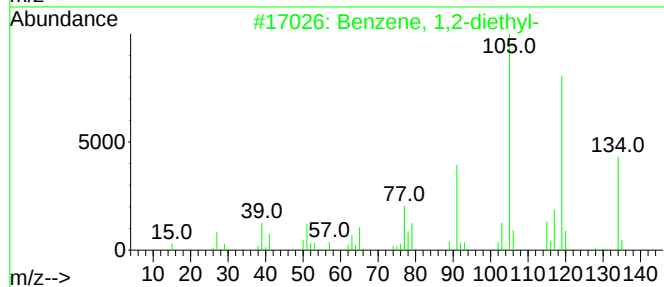
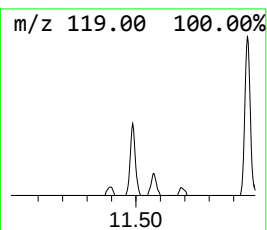
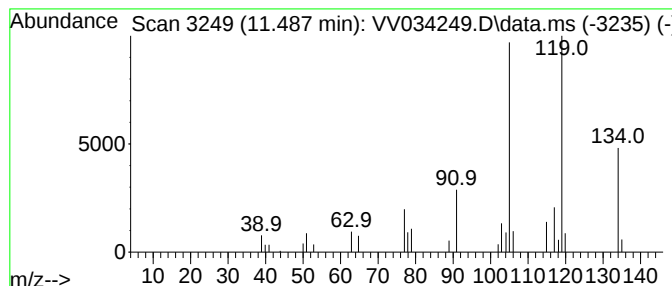
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.487	0.64 ug/L	25472	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	94
2			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
5			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90



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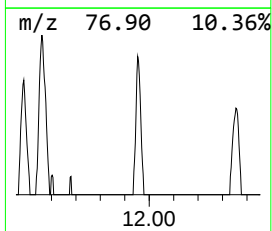
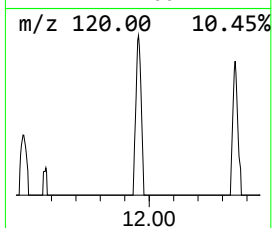
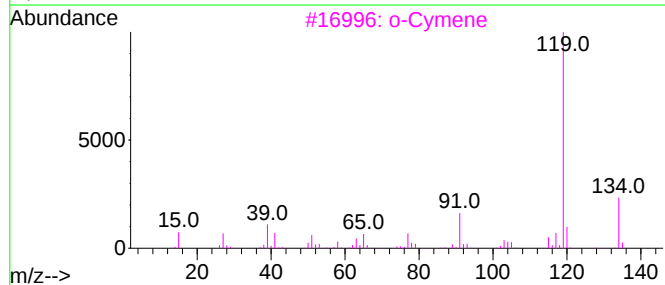
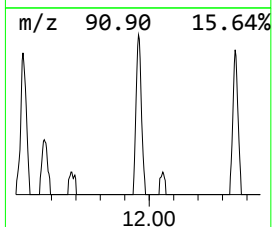
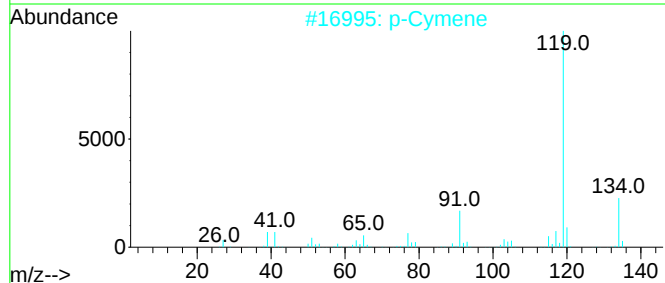
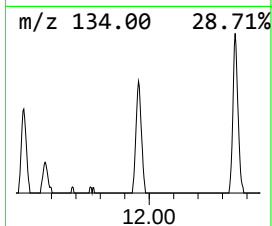
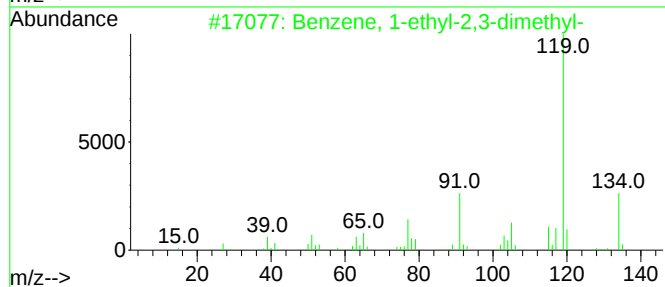
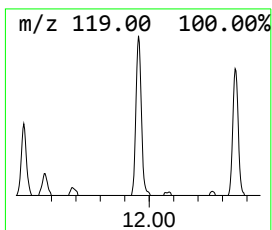
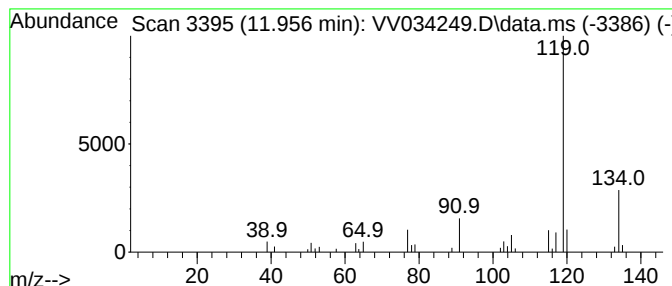
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.956	0.71 ug/L	28315	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2			p-Cymene	134	C10H14	000099-87-6	94
3			o-Cymene	134	C10H14	000527-84-4	94
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



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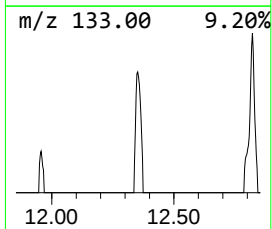
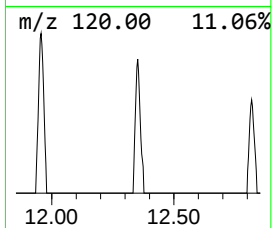
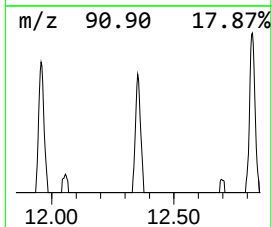
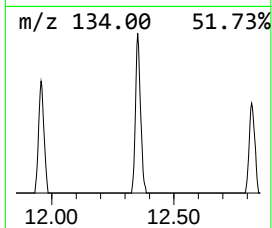
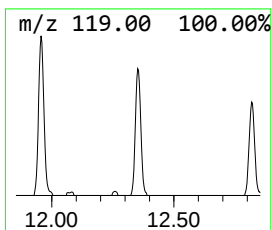
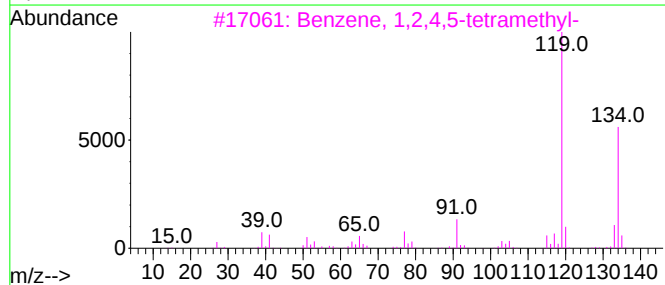
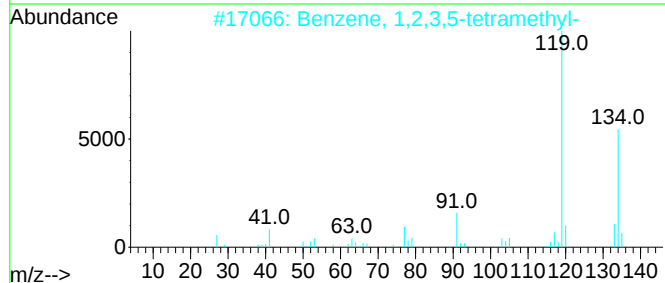
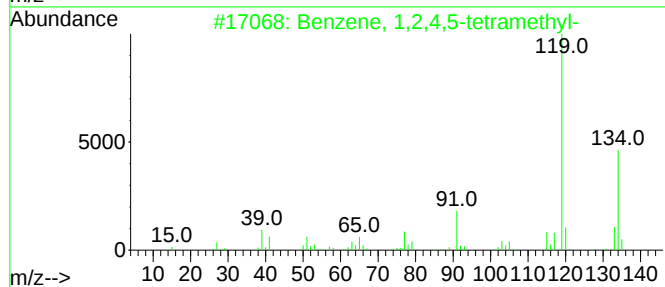
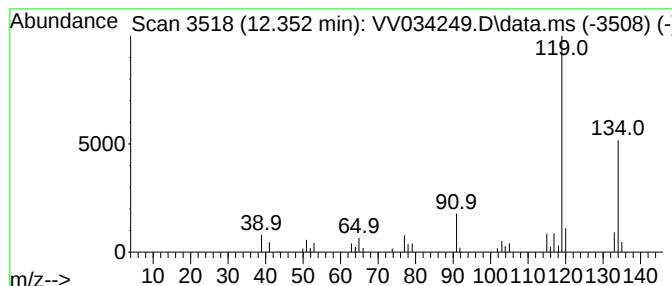
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.352	0.66 ug/L	26026	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	97
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95



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DCNC3

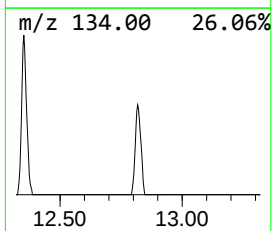
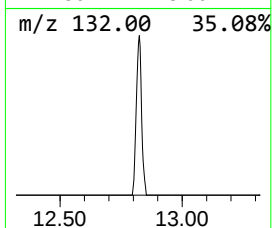
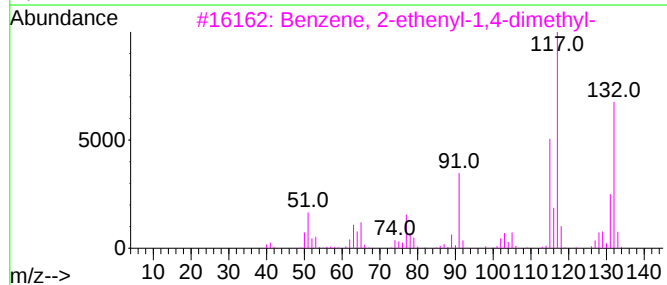
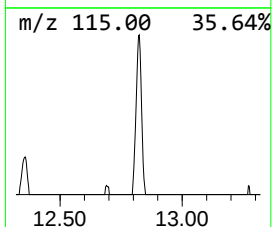
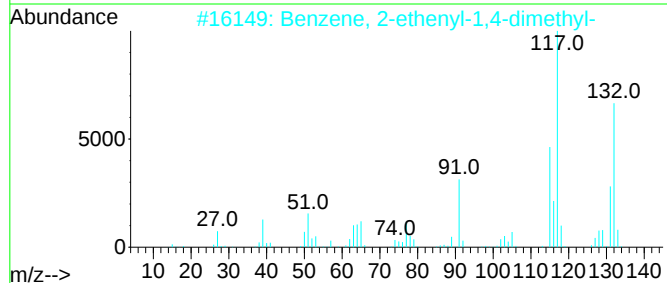
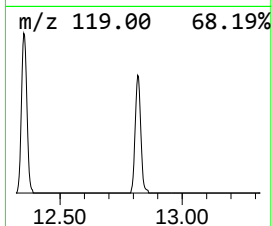
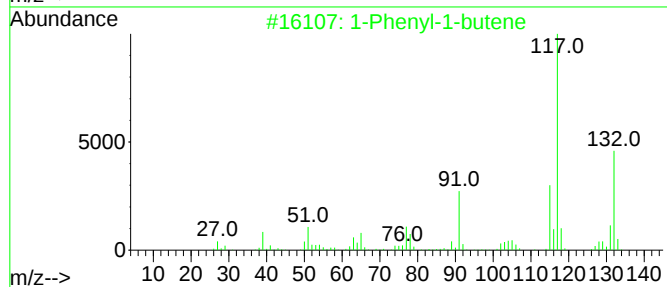
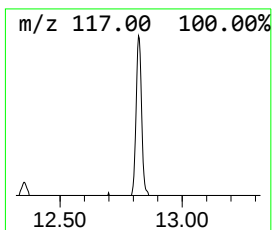
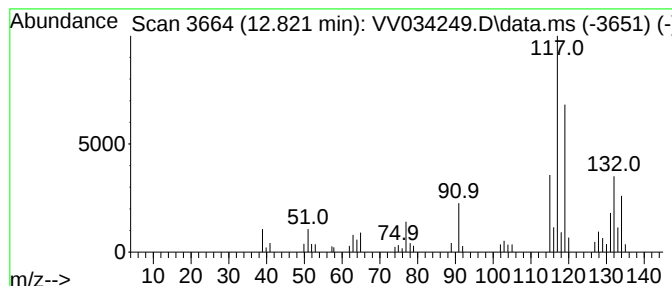
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 7 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.821	1.21 ug/L	47943	1,4-Dichlorobenzene-d4	11.188

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
3			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
5			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021924\
Data File : VV034249.D
Acq On : 19 Feb 2024 17:32
Operator : SY/MD
Sample : P1503-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DCNC3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.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
Sulfur dioxide	1.381	1.7	ug/L	54266	1	5.535	163664	5.0
Butane, 2-metho...	5.211	0.9	ug/L	29530	1	5.535	163664	5.0
Benzene, 1,2-di...	11.487	0.6	ug/L	25472	3	11.188	198337	5.0
Benzene, 1-ethy...	11.956	0.7	ug/L	28315	3	11.188	198337	5.0
Benzene, 1,2,4,...	12.352	0.7	ug/L	26026	3	11.188	198337	5.0
1-Phenyl-1-butene	12.821	1.2	ug/L	47943	3	11.188	198337	5.0