LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU052587.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.600	73	81	91	rBV2	152098	171092	10.97%	0.748%
2	1.912	169	178	192	rBV	77218	105805	6.78%	0.462%
3	1.996	193	204	217	rVB	453103	619530	39.72%	2.708%
4	2.205	259	269	285	rVB3	112755	204587	13.12%	0.894%
5	2.469	339	351	369	rVB	435041	692233	44.38%	3.026%
6	2.568	369	382	406	rBV2	134036	274282	17.58%	1.199%
7	3.041	495	529	539	rBV4	161304	438204	28.09%	1.915%
8	3.137	548	559	581	rVB	277628	596528	38.24%	2.608%
9	3.359	612	628	645	rBV2	86222	192551	12.34%	0.842%
10	3.571	680	694	710	rVB4	11869	26662	1.71%	0.117%
11	3.697	721	733	754	rVB4	11927	28197	1.81%	0.123%
12	3.977	800	820	838	rBV2	88792	218057	13.98%	0.953%
13	4.086	838	854	869	rVV2	69496	179962	11.54%	0.787%
14	4.166	869	879	892	rVV3	18731	44312	2.84%	0.194%
15	4.250	892	905	915	rVV3	9989	25947	1.66%	0.113%
16	4.330	916	930	950	rVV3	81127	218935	14.03%	0.957%
17	4.433	953	962	973	rVV2	22977	53472	3.43%	0.234%
18	4.530	973	992	1006	rVV2	333679	812623	52.09%	3.552%
19	4.633	1006	1024	1074	rVB2	165802	740258	47.45%	3.236%
20	4.983	1117	1133	1144	rBV10	9262	26935	1.73%	0.118%
21	5.060	1144	1157	1168	rVV2	145417	319787	20.50%	1.398%
22	5.124	1169	1177	1183	rVV3	45824	97337	6.24%	0.425%
23	5.176	1183	1193	1211	rVB	136920	294474	18.88%	1.287%
24	5.298	1217	1231	1242	rBV5	12393	26449	1.70%	0.116%
25	5.385	1242	1258	1271	rVV	298936	678878	43.52%	2.967%
26	5.459	1271	1281	1306	rVB4	97430	249187	15.97%	1.089%
27	5.636	1308	1336	1345	rBV3	44571	119023	7.63%	0.520%
28	5.723	1345	1363	1370	rVV2	295237	780468	50.03%	3.412%
29	5.771	1370	1378	1392	rVV	470074	964041	61.80%	4.214%
30	5.845	1393	1401	1407	rVV2	54224	111655	7.16%	0.488%
31	5.893	1407	1416	1430	rVV5	127292	350343	22.46%	1.531%
32	5.980	1431	1443	1471	rVB6	96351	286105	18.34%	1.251%
33	6.131	1478	1490	1501	rBV5	10872	20476	1.31%	0.090%
34	6.247	1511	1526	1535	rBV	256378	505629	32.41%	2.210%
35	6.398	1564	1573	1583	rVB5	12601	24626	1.58%	0.108%
36	6.462	1583	1593	1603	rVV4	11275	19897	1.28%	0.087%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Title : TRACE VOA SFAM1.0

37	6.552	1606	1621	1641	rVB4	132208	305485	19.58%	1.335%
38	6.687	1647	1663	1672	rBV	198200	391738	25.11%	1.712%
39	6.758	1673	1685	1700	rVB4	161048	395124	25.33%	1.727%
40	6.976	1741	1753	1767	rBV7	19686	43586	2.79%	0.191%
41	7.070	1771	1782	1792	rVB	15341	27973	1.79%	0.122%
42	7.157	1793	1809	1812	rBV4	41322	70056	4.49%	0.306%
43	7.247	1826	1837	1856	rVB9	30263	77821	4.99%	0.340%
44	7.391	1856	1882	1892	rBV4	67410	149706	9.60%	0.654%
45	7.443	1892	1898	1914	rVB5	16108	32088	2.06%	0.140%
46	7.562	1915	1935	1952	rBV	103545	213057	13.66%	0.931%
47	7.755	1972	1995	2010	rVB2	111074	214596	13.76%	0.938%
48	7.893	2015	2038	2051	rBV	355921	680320	43.61%	2.974%
49	7.967	2051	2061	2073	rVV	116462	200650	12.86%	0.877%
50	8.034	2073	2082	2094	rVV4	14414	33134	2.12%	0.145%
51	8.102	2096	2103	2112	rVV7	10977	23812	1.53%	0.104%
52	8.176	2112	2126	2137	rVV3	64108	123057	7.89%	0.538%
53	8.240	2137	2146	2162	rVB4	26799	58794	3.77%	0.257%
54	8.365	2169	2185	2190	rBV3	17042	34930	2.24%	0.153%
55	8.407	2190	2198	2208	rVV2	49126	86422	5.54%	0.378%
56	8.465	2208	2216	2231	rVB2	12227	26020	1.67%	0.114%
57	8.632	2248	2268	2284	rBV	611948	1137586	72.93%	4.973%
58	8.883	2332	2346	2352	rBV7	7684	16553	1.06%	0.072%
59	9.073	2391	2405	2415	rBV4	16601	29225	1.87%	0.128%
60	9.320	2472	2482	2495	rVB4	9838	18846	1.21%	0.082%
61	9.414	2496	2511	2531	rBV	350238	605267	38.80%	2.646%
62	9.513	2534	2542	2548	rVV4	15939	35130	2.25%	0.154%
63	9.565	2548	2558	2579	rVB	442031	703598	45.10%	3.076%
64	9.690	2582	2597	2614	rVV	765334	1268966	81.35%	5.547%
65	9.867	2644	2652	2664	rVB	7323	17172	1.10%	0.075%
66	10.095	2714	2723	2736	rVB2	30629	49929	3.20%	0.218%
67	10.478	2830	2842	2853	rBV2	80676	124805	8.00%	0.546%
68	10.751	2915	2927	2950	rVB	164613	265002	16.99%	1.158%
69	10.899	2958	2973	2988	rBV	163831	268885	17.24%	1.175%
70	11.018	2998	3010	3021	rVB	28830	50893	3.26%	0.222%
71	11.082	3021	3030	3047	rVB2	28526	45278	2.90%	0.198%
72	11.285	3081	3093	3107	rBV	147788	235973	15.13%	1.031%
73	11.806	3243	3255	3270	rVV	366652	582364	37.33%	2.546%
74	11.889	3272	3281	3294	rVB	57150	87301	5.60%	0.382%
75	12.089	3326	3343	3361	rBV	1002799	1559929	100.00%	6.819%
76	12.188	3361	3374	3389	rVB	396218	663329	42.52%	2.900%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
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Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GBQD6DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Title : TRACE VOA SFAM1.0

77	12.298	3399	3408	3419	rVB3	17182	27464	1.76%	0.120%
78	12.372	3423	3431	3440	rVB2	18435	27533	1.77%	0.120%
79	12.565	3480	3491	3498	rBV2	74957	117385	7.53%	0.513%
80	12.606	3498	3504	3515	rVV2	57071	88483	5.67%	0.387%
81	12.677	3515	3526	3542	rVB	154318	255852	16.40%	1.118%
82	12.967	3600	3616	3630	rBV	57082	90246	5.79%	0.394%
83	13.111	3651	3661	3672	rBV3	14280	24107	1.55%	0.105%
84	13.288	3707	3716	3724	rBV	53982	83409	5.35%	0.365%
85	13.452	3745	3767	3780	rBV	208003	339074	21.74%	1.482%
86	13.619	3810	3819	3833	rVB4	44326	76748	4.92%	0.335%
87	13.780	3860	3869	3877	rBV3	13865	20928	1.34%	0.091%
88	13.835	3877	3886	3893	rBV5	15612	24586	1.58%	0.107%
89	13.905	3903	3908	3913	rBV2	12734	17448	1.12%	0.076%
90	13.934	3913	3917	3928	rVB3	18586	26621	1.71%	0.116%
91	14.082	3948	3963	3978	rBV	106505	184272	11.81%	0.805%

Sum of corrected areas: 22877103

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
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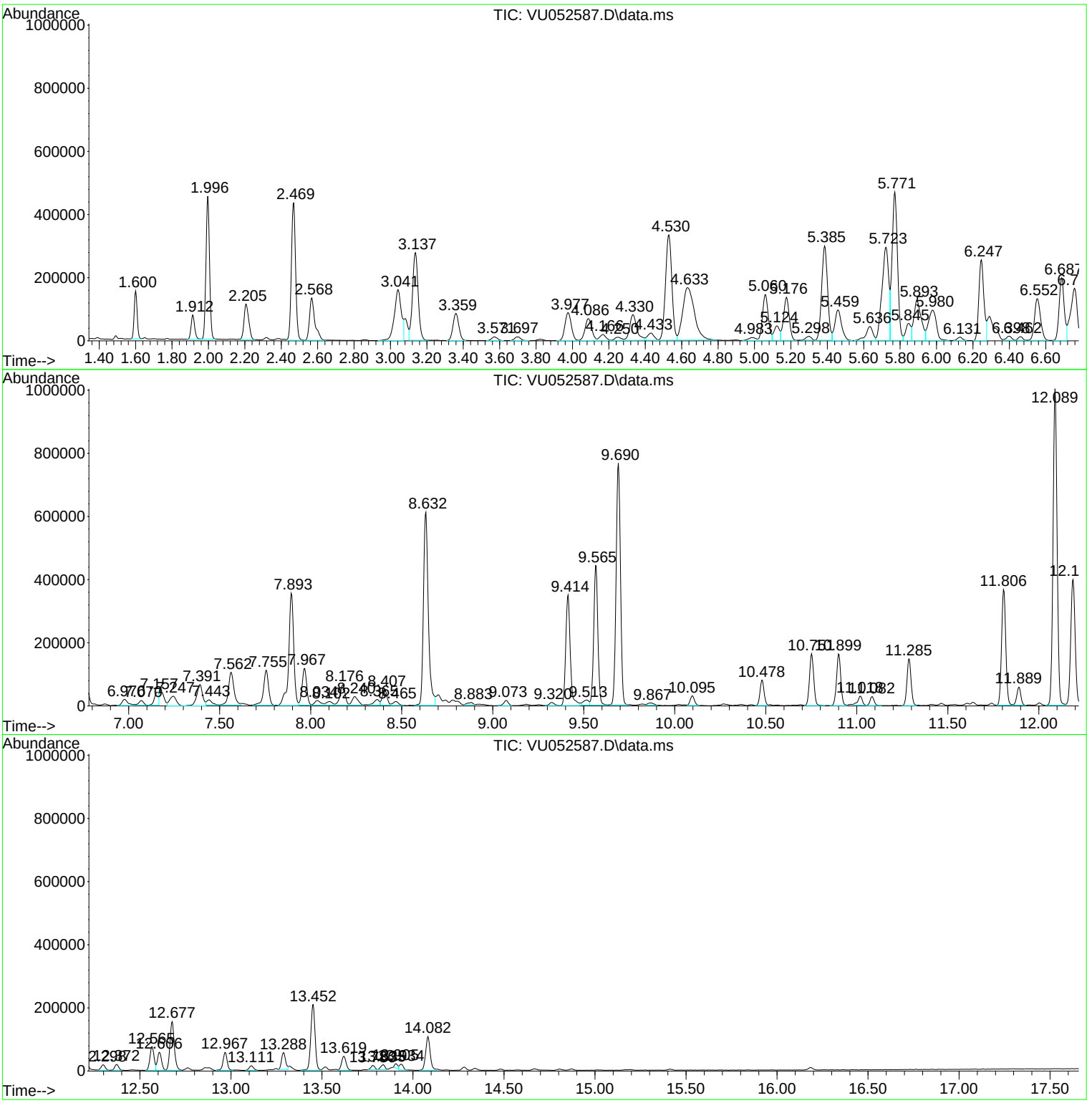
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

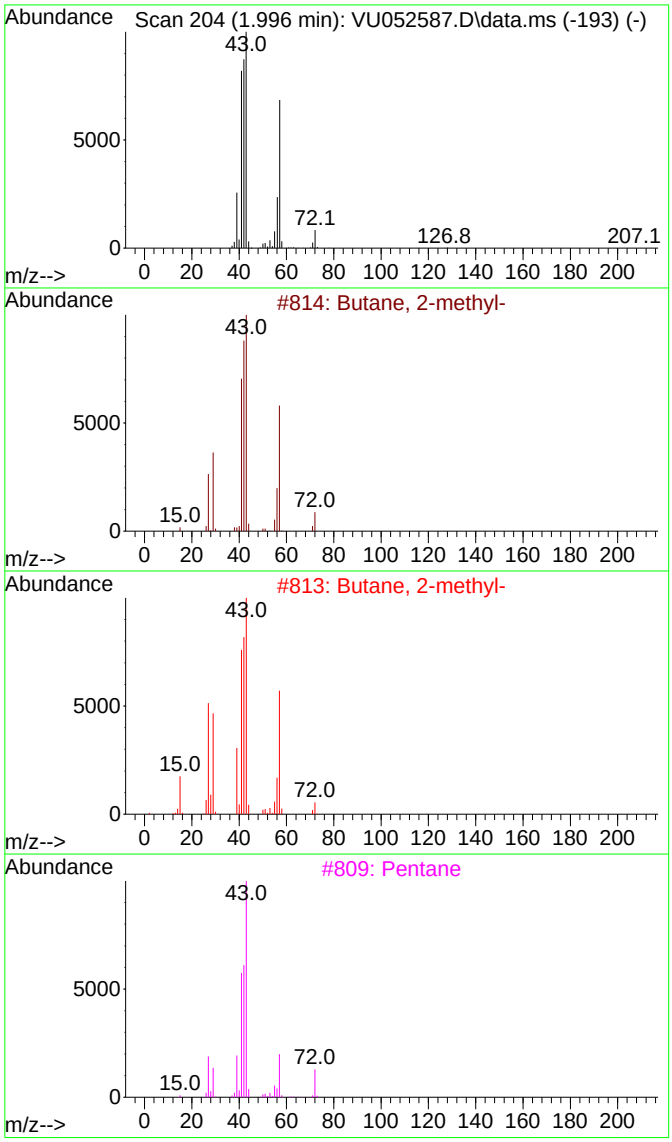
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

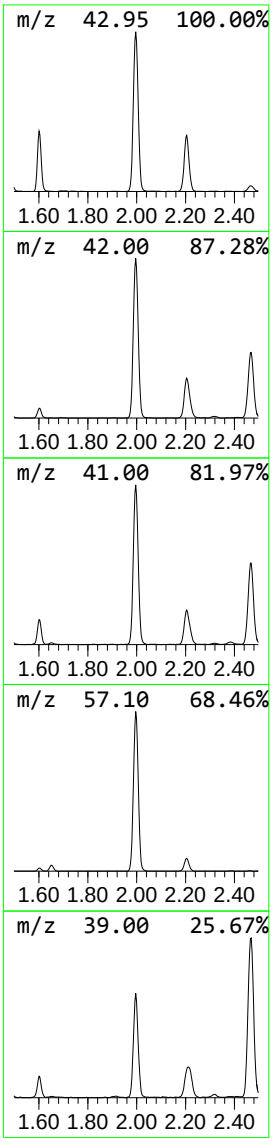
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.996	6.13 ug/L	619530	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	Pentane	72	C5H12	000109-66-0	36
4	3-Buten-1-ol	72	C4H8O	000627-27-0	28
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

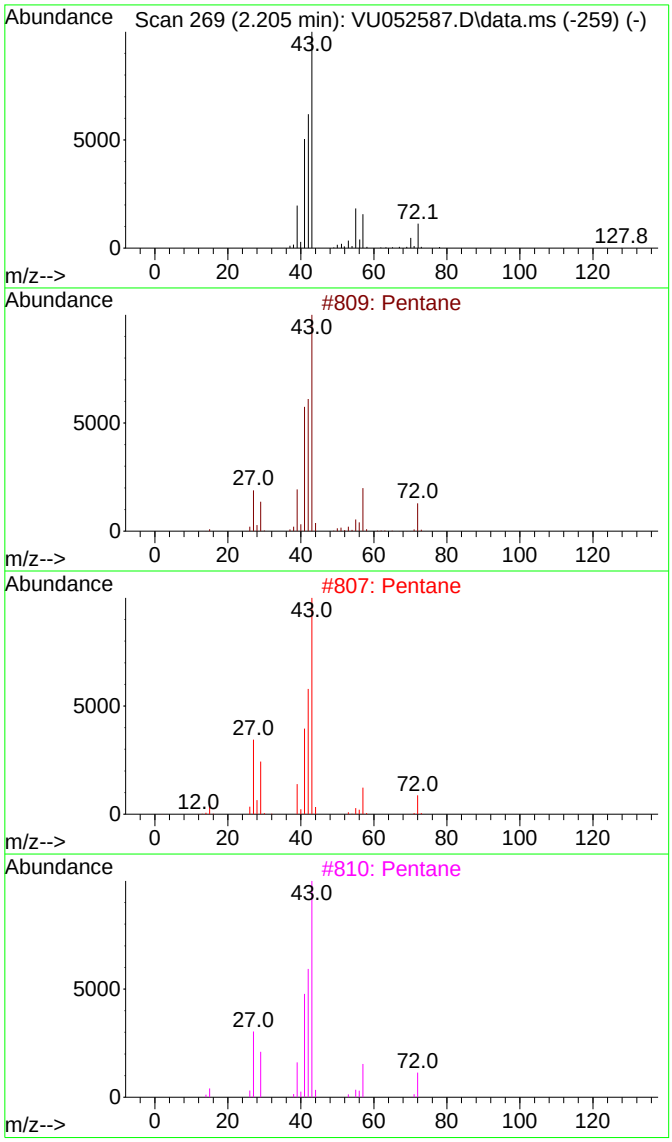
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

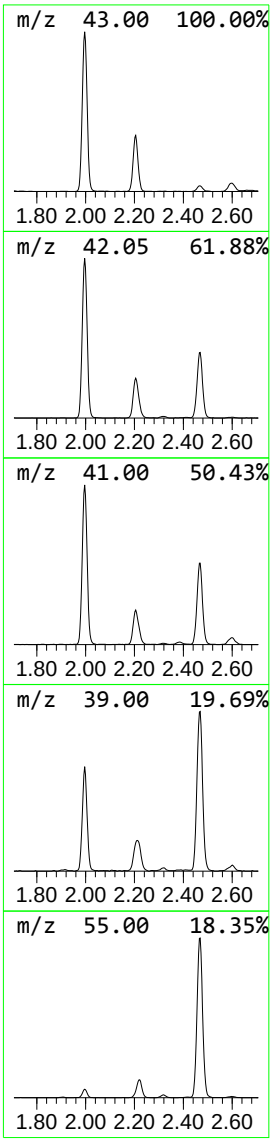
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.205	2.02 ug/L	204587	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	87
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	72
4	Pentane	72	C5H12	000109-66-0	72
5	Pentane	72	C5H12	000109-66-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

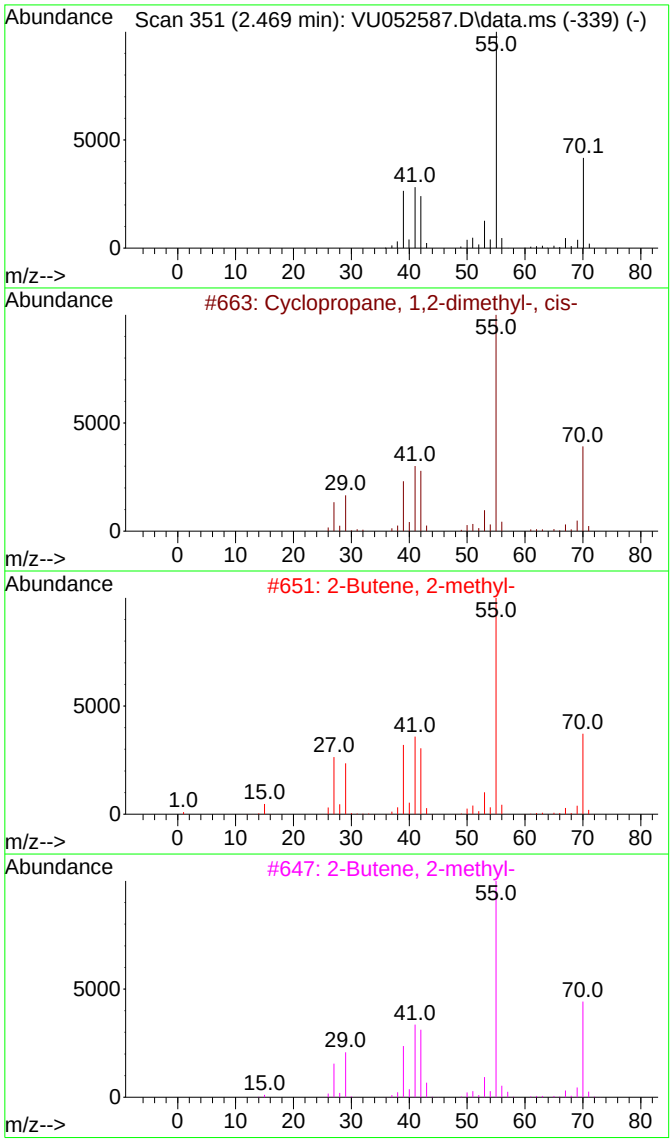
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

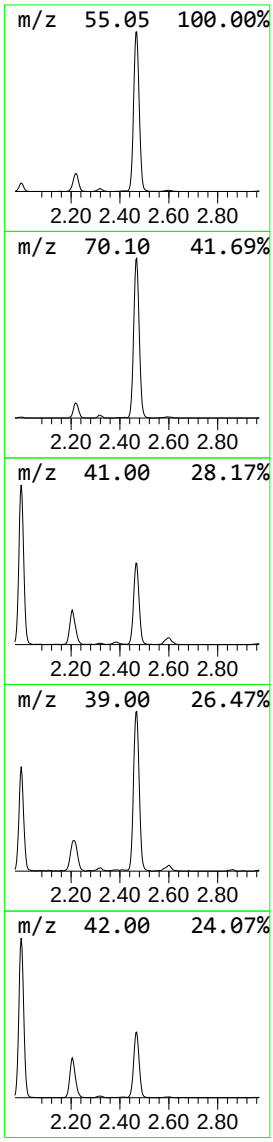
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic2.469 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.469	6.85 ug/L	692233	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

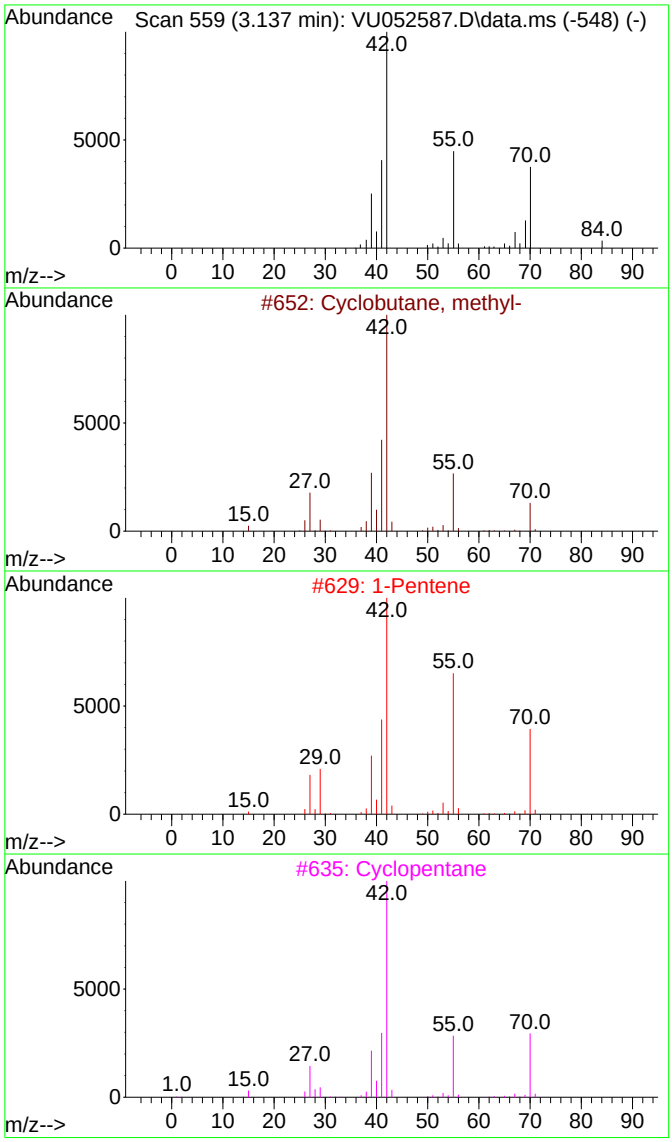
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

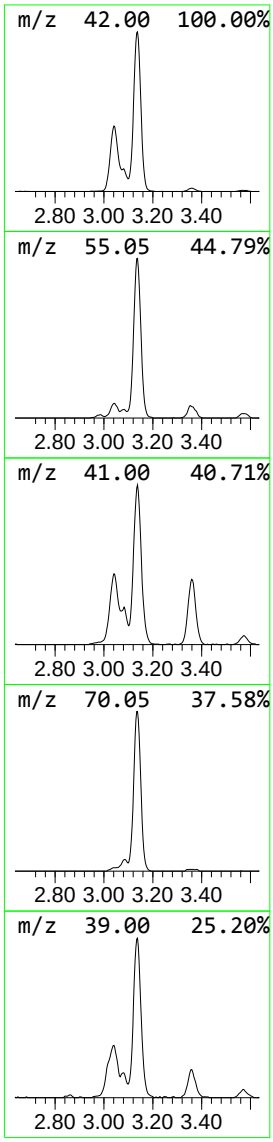
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic3.137 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.137	5.90 ug/L	596528	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
2	1-Pentene	70	C5H10	000109-67-1	80
3	Cyclopentane	70	C5H10	000287-92-3	80
4	1-Pentene	70	C5H10	000109-67-1	80
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

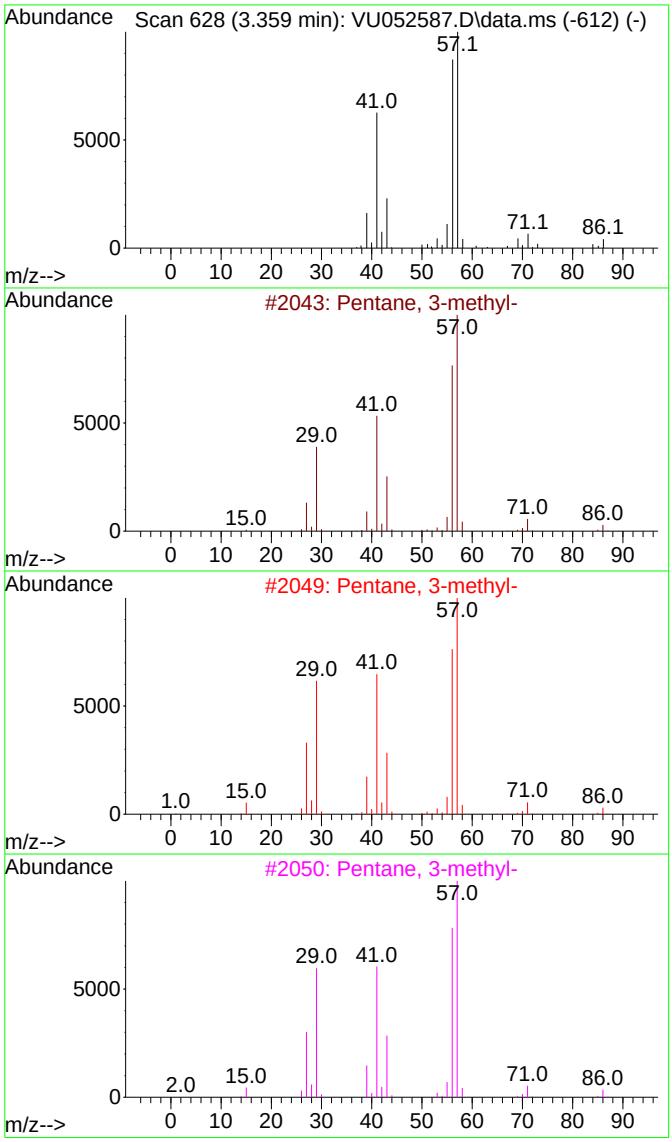
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

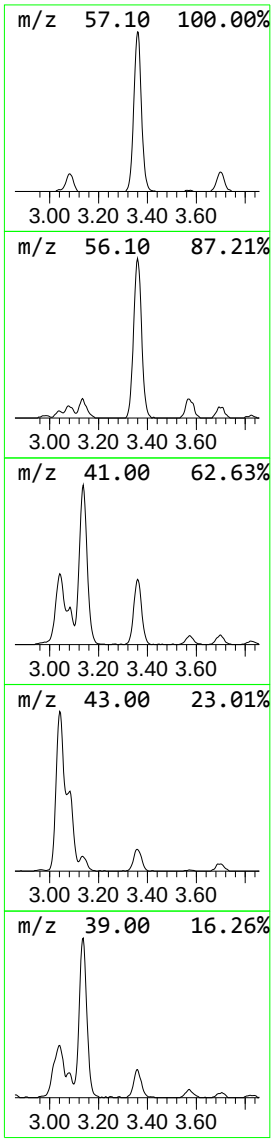
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.359	1.90 ug/L	192551	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	83
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

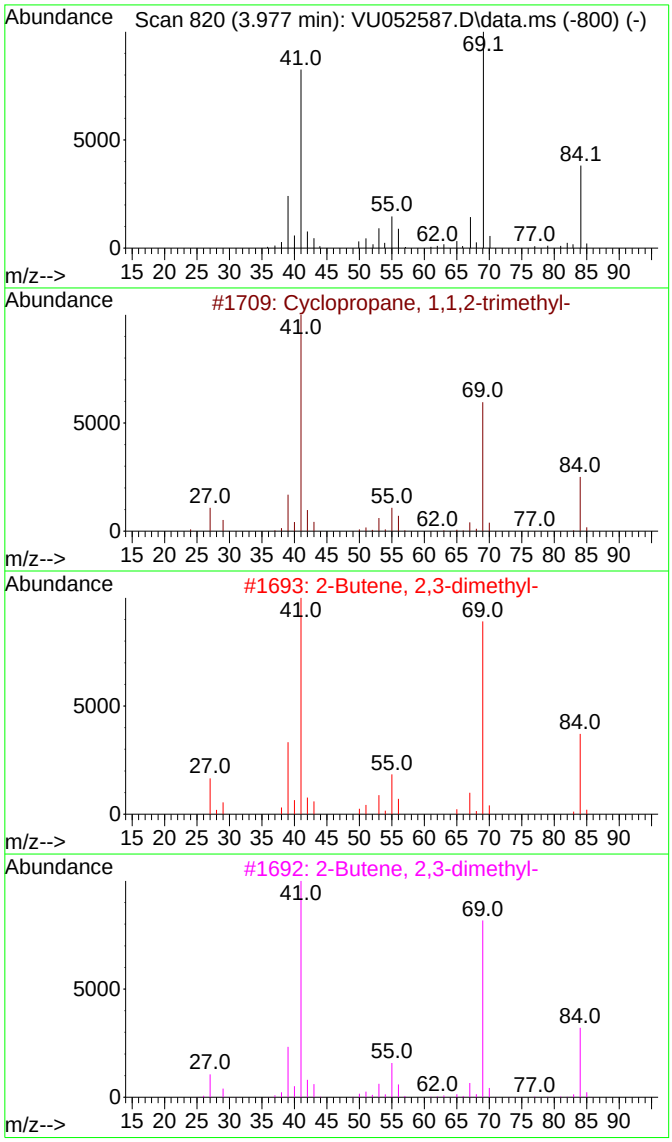
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

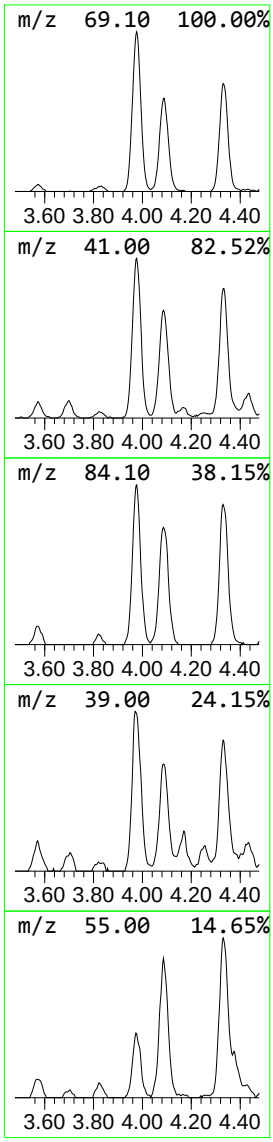
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic3.977 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.977	2.16 ug/L	218057	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	91
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
4	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

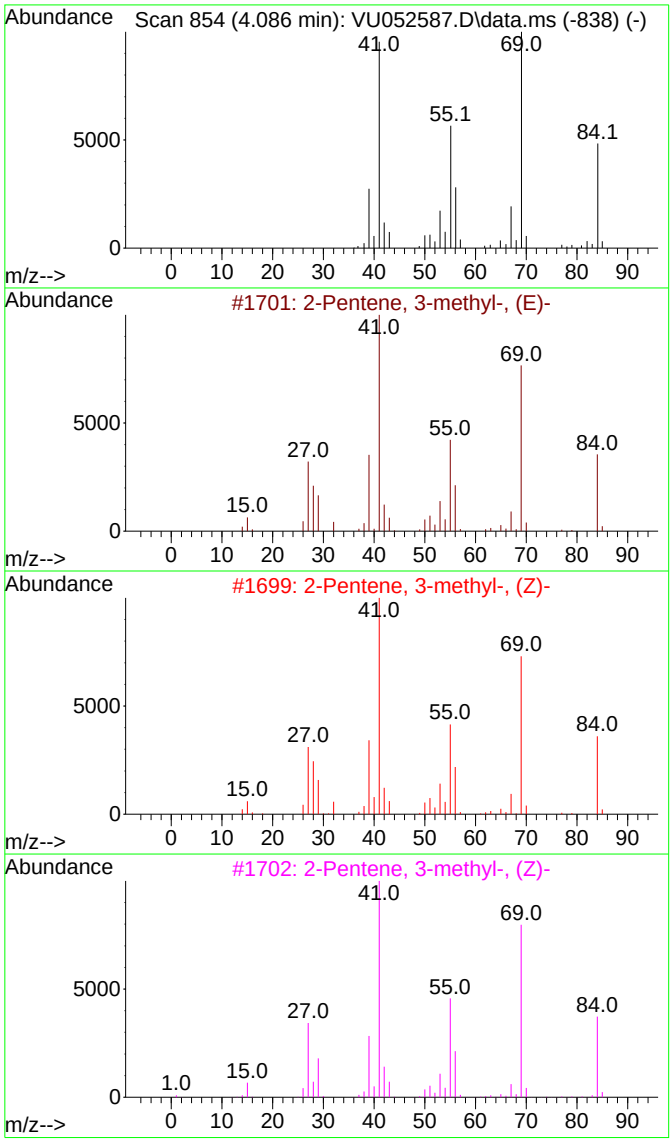
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

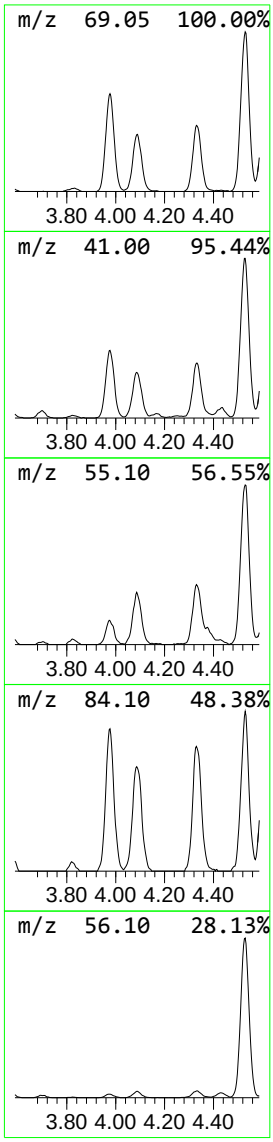
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.086	1.78 ug/L	179962	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	90
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	90
5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	90





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Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

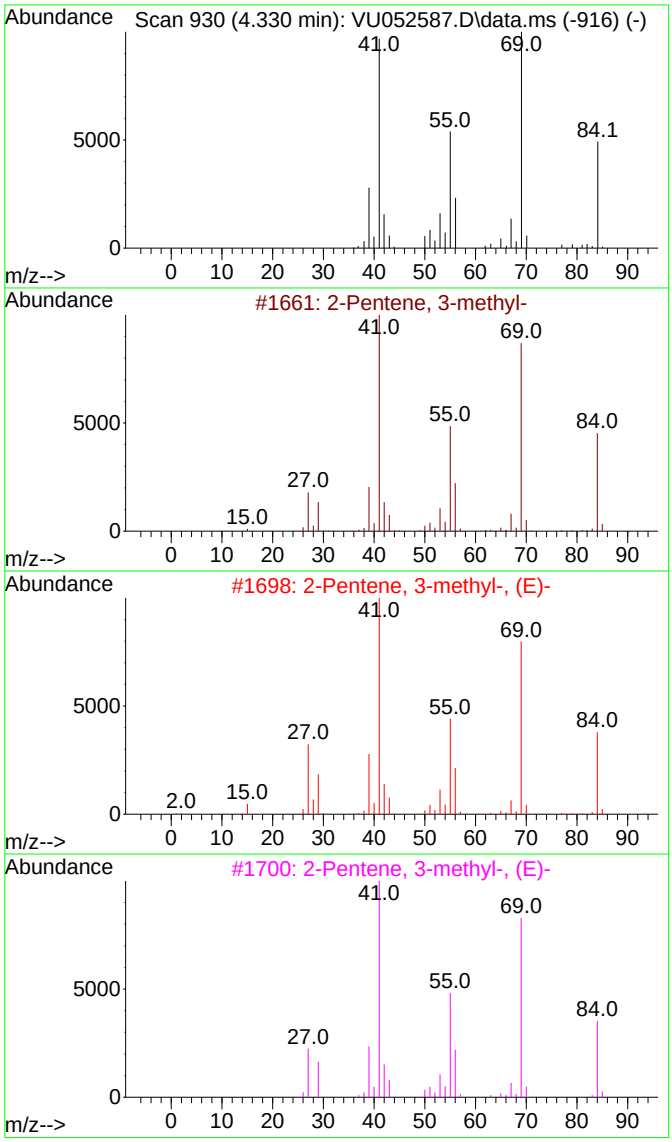
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

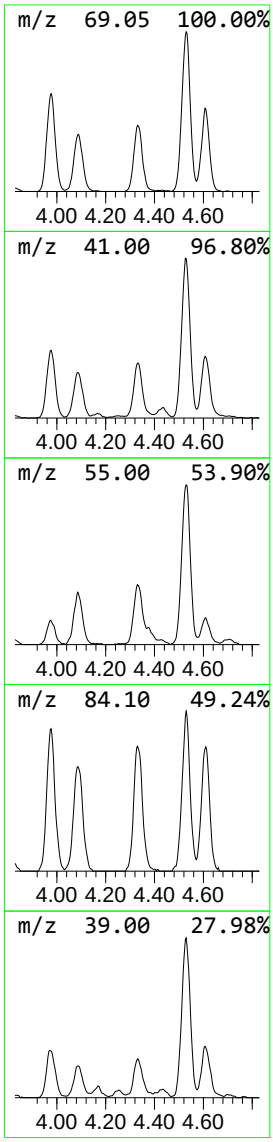
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.330	2.16 ug/L	218935	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	91
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

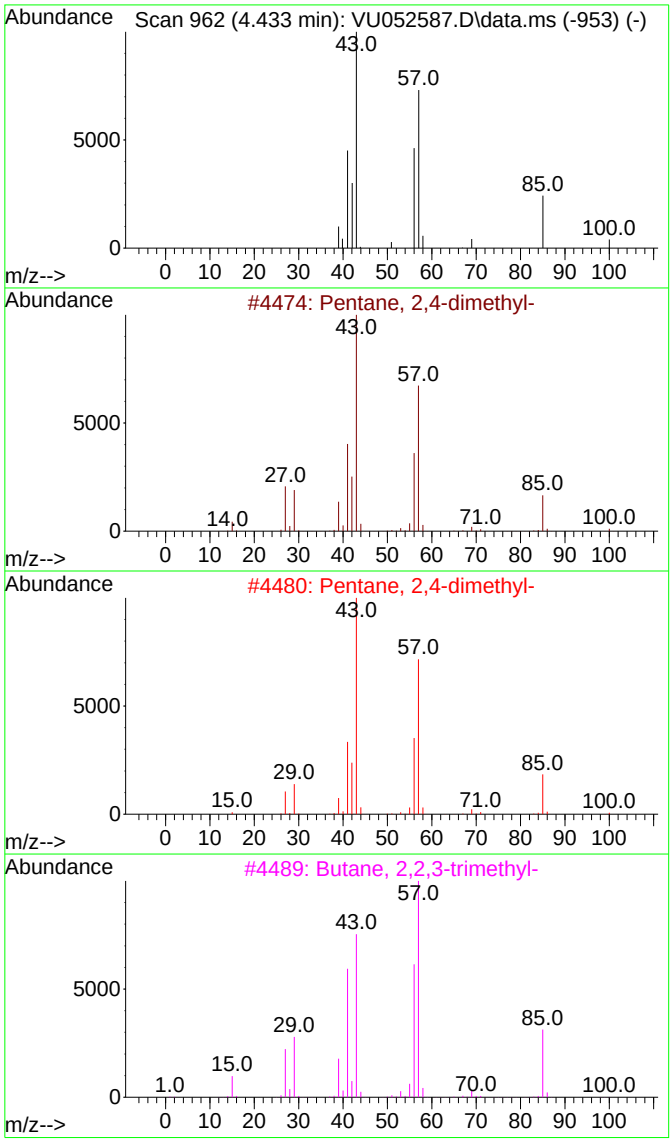
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

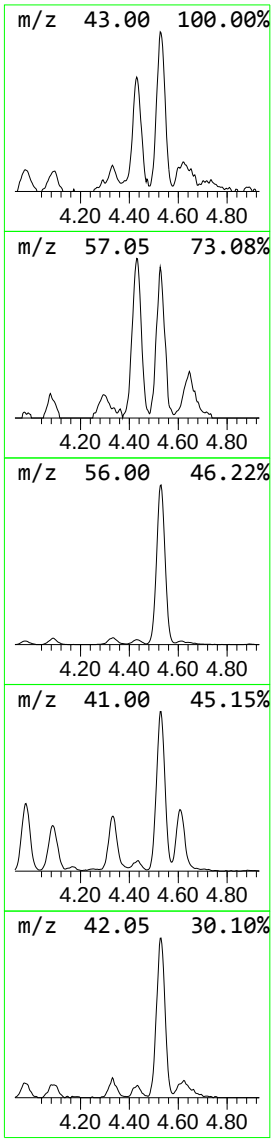
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.433	0.53 ug/L	53472	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	45
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	38
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

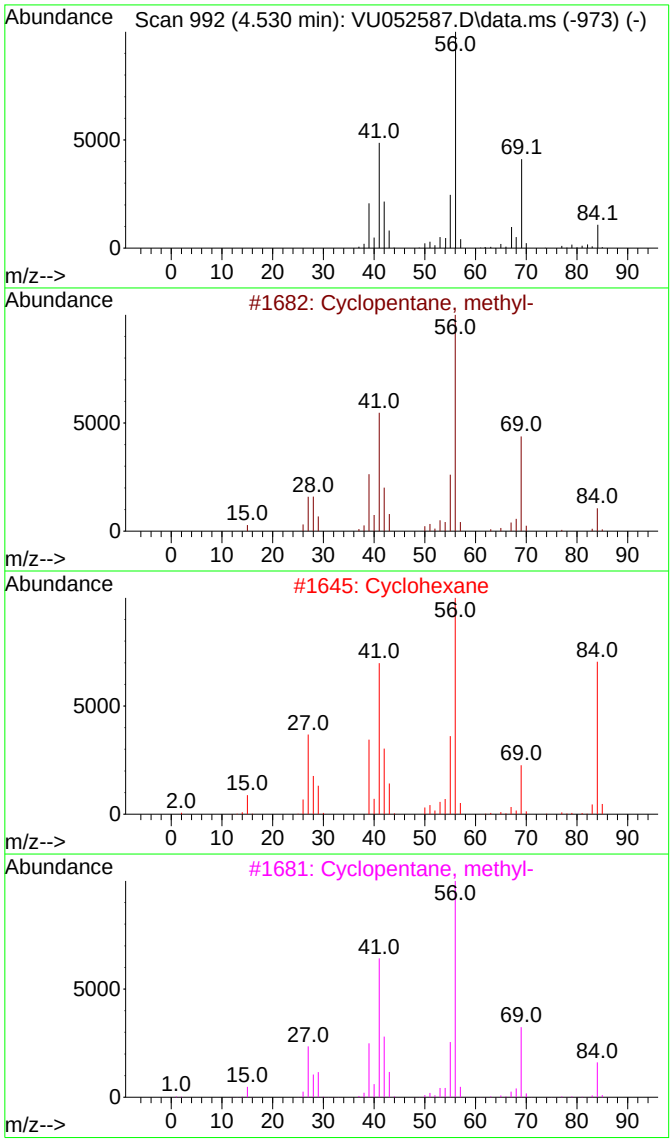
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

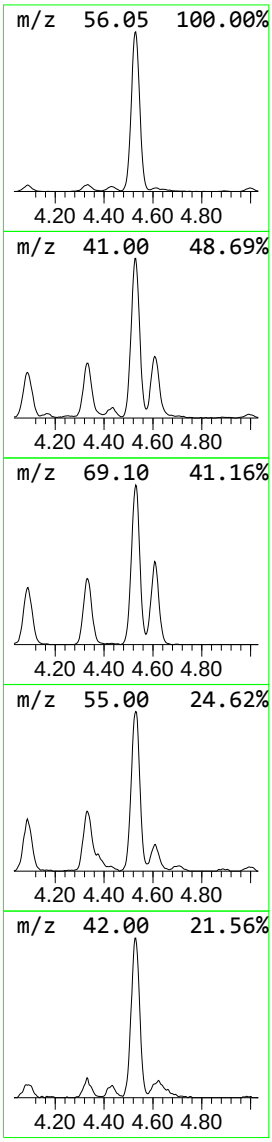
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic4.530 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.530	8.04 ug/L	812623	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	87
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
4	Cyclohexane	84	C6H12	000110-82-7	86
5	Cyclohexane	84	C6H12	000110-82-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

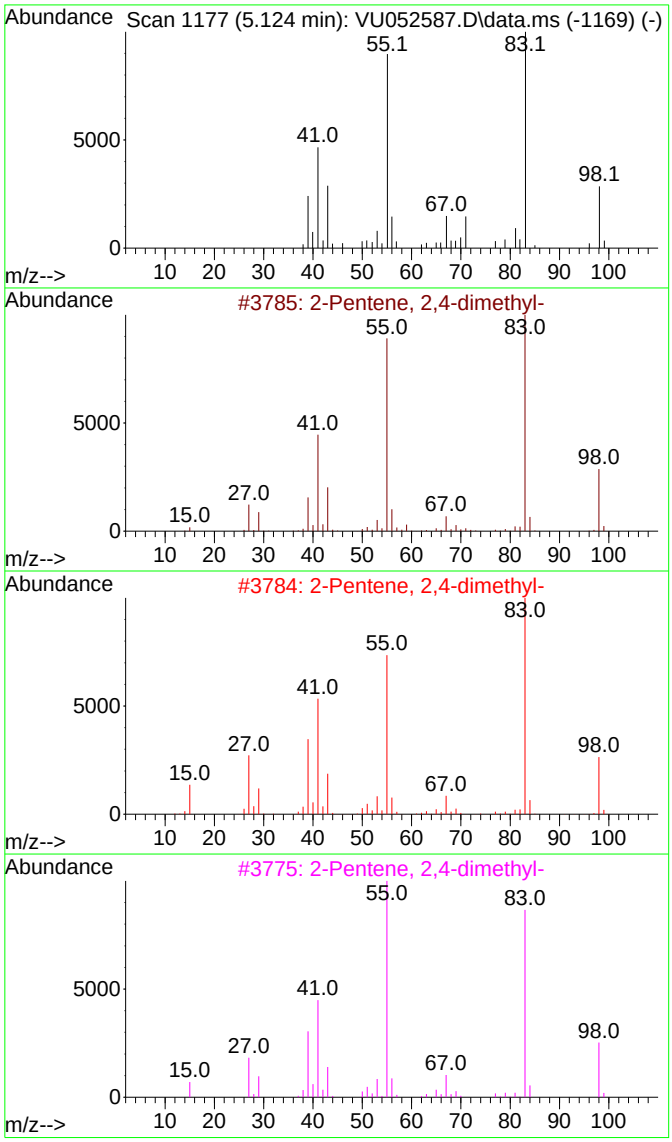
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

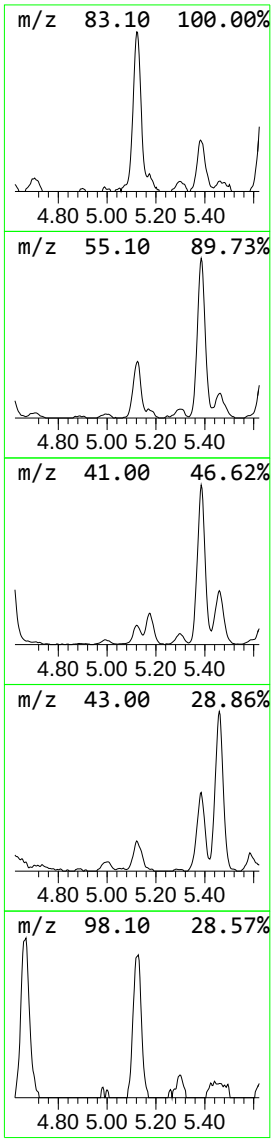
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.124	0.96 ug/L	97337	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	83
2	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	74
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

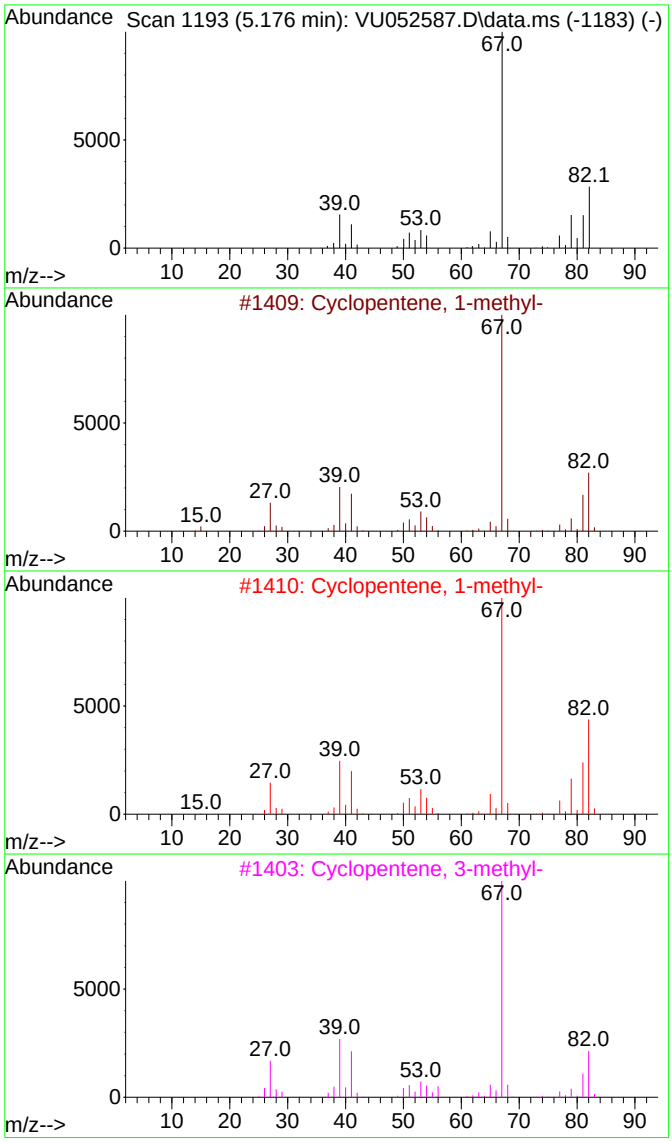
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

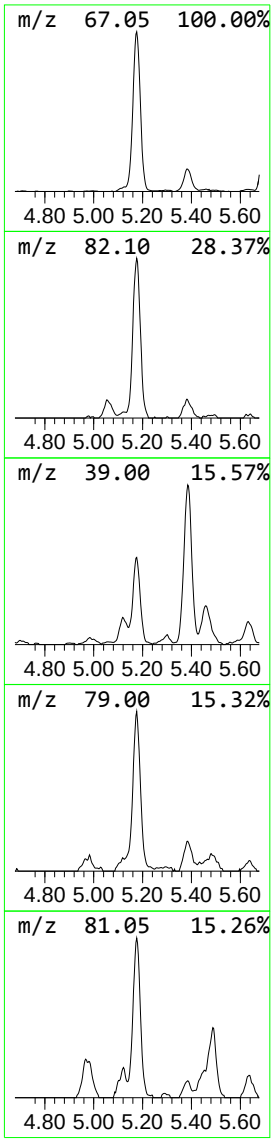
****

Peak Number 12 Cyclopentene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.176	2.91 ug/L	294474	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

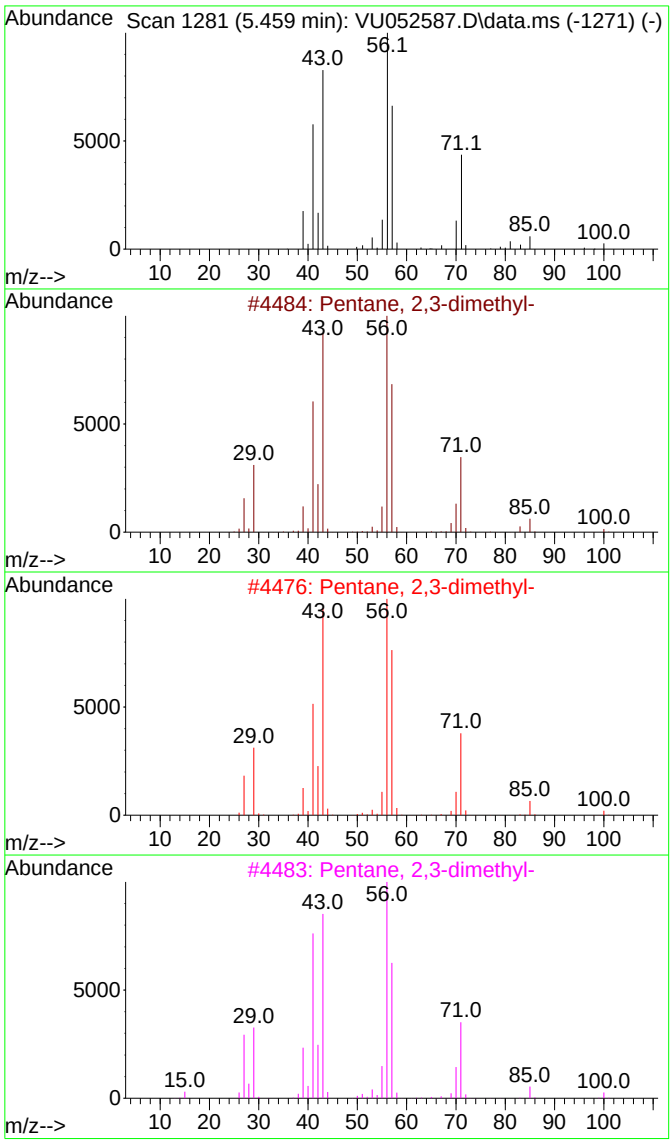
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

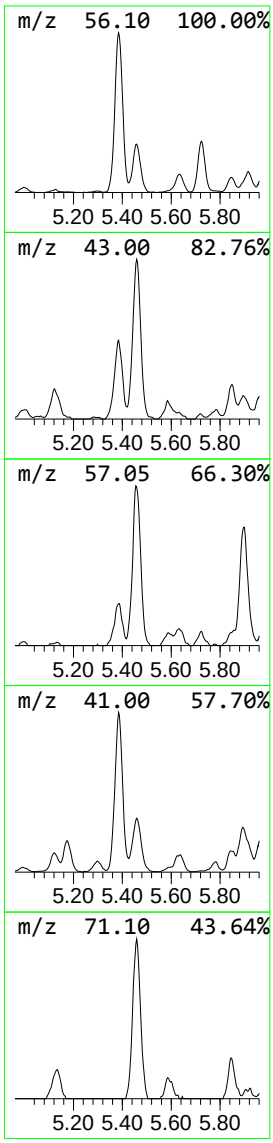
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.459	2.46 ug/L	249187	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	52
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

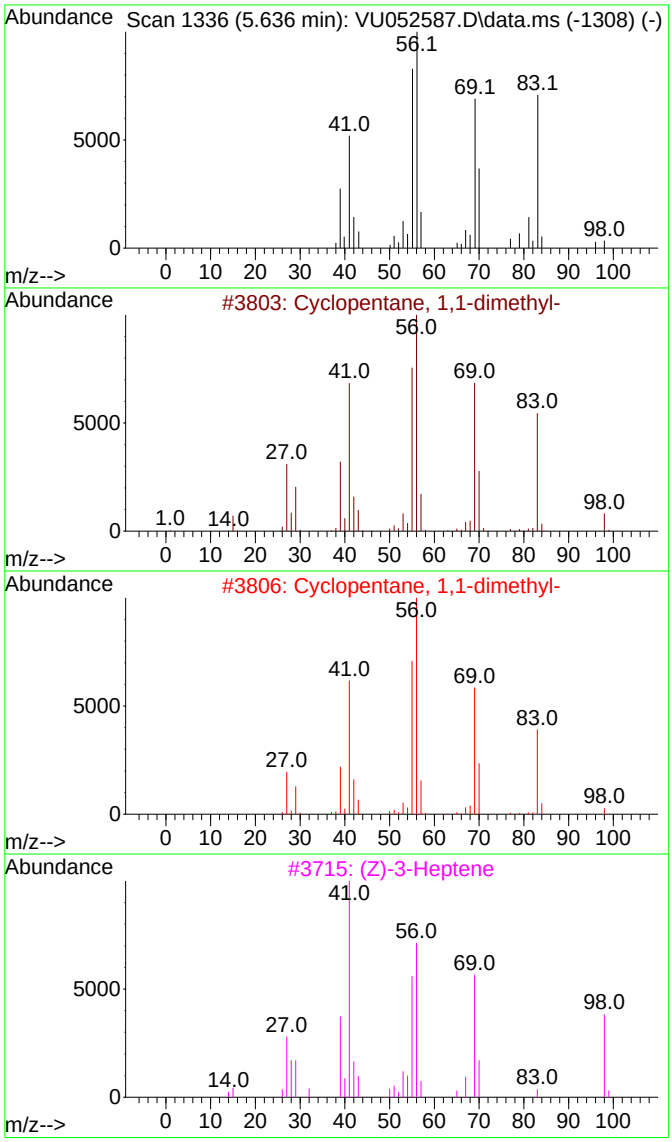
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

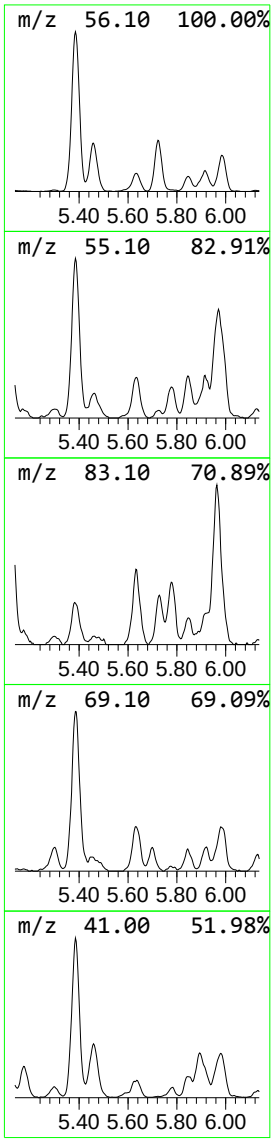
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic5.636 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.636	1.18 ug/L	119023	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	78
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
3	(Z)-3-Heptene	98	C7H14	007642-10-6	59
4	3-Heptene	98	C7H14	000592-78-9	58
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

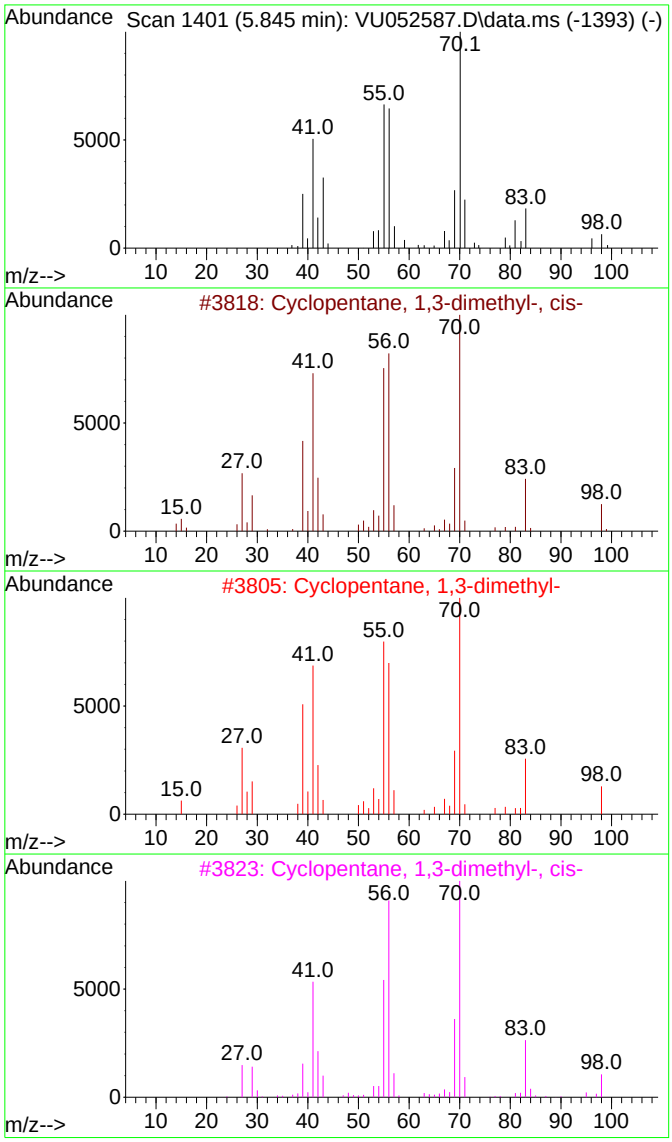
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

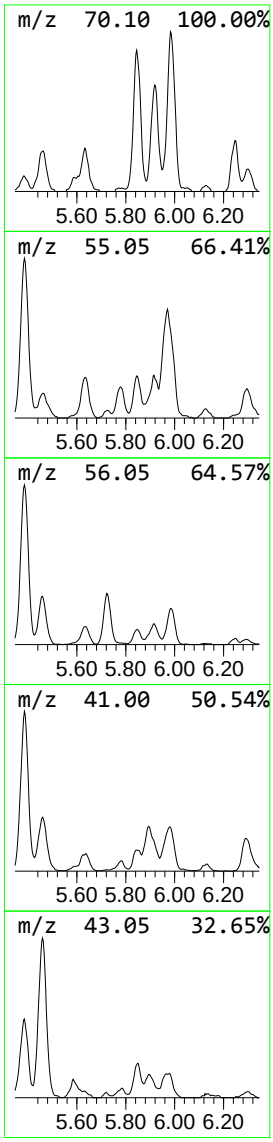
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic5.845 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.845	1.10 ug/L	111655	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	81
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	81
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
4	1-Octene, 3-methyl-	126	C9H18	013151-08-1	72
5	1-Heptene, 5-methyl-	112	C8H16	013151-04-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

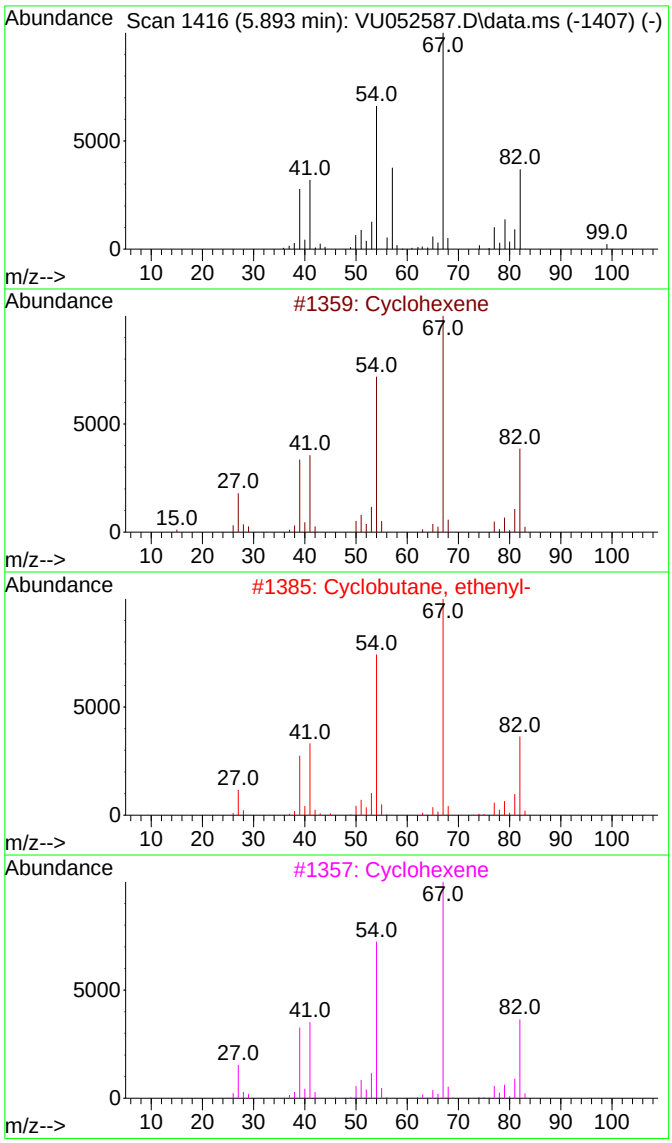
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

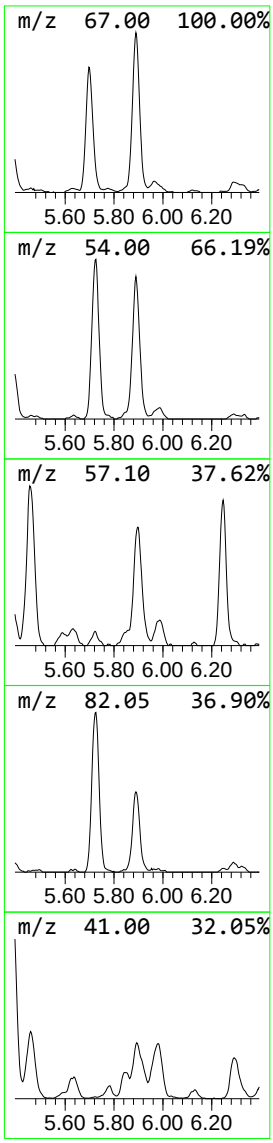
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclobutane, ethenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.893	3.46 ug/L	350343	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene	82	C6H10	000110-83-8	87
2	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	87
3	Cyclohexene	82	C6H10	000110-83-8	87
4	Cyclohexene	82	C6H10	000110-83-8	83
5	Ethylidenecyclobutane	82	C6H10	001528-21-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

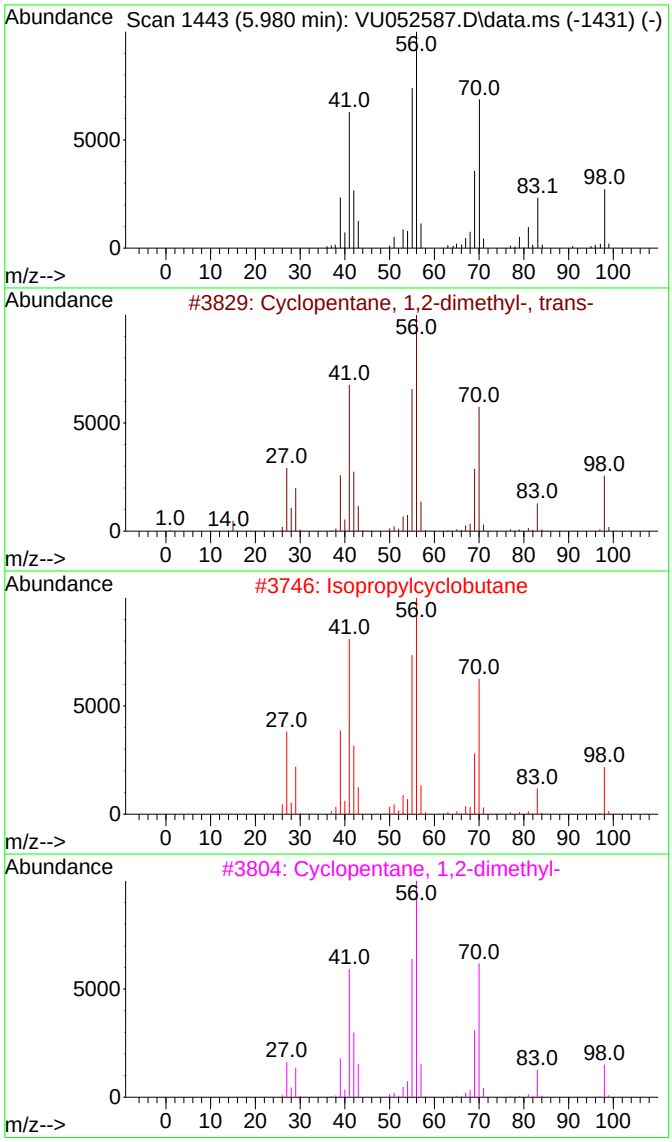
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

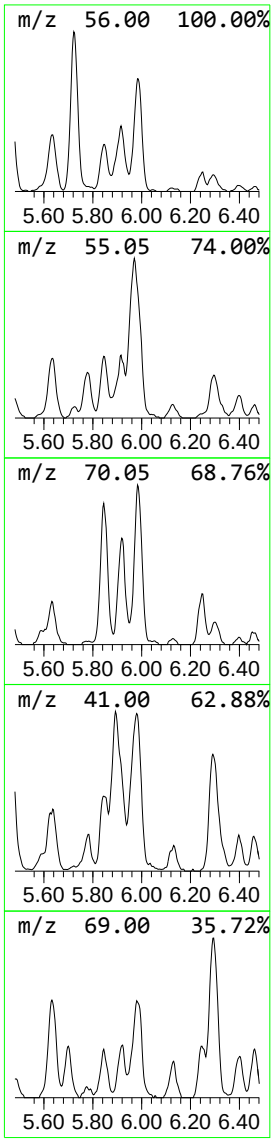
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic5.980 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.980	2.83 ug/L	286105	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
2	Isopropylcyclobutane	98	C7H14	000872-56-0	90
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
4	1-Heptene	98	C7H14	000592-76-7	87
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

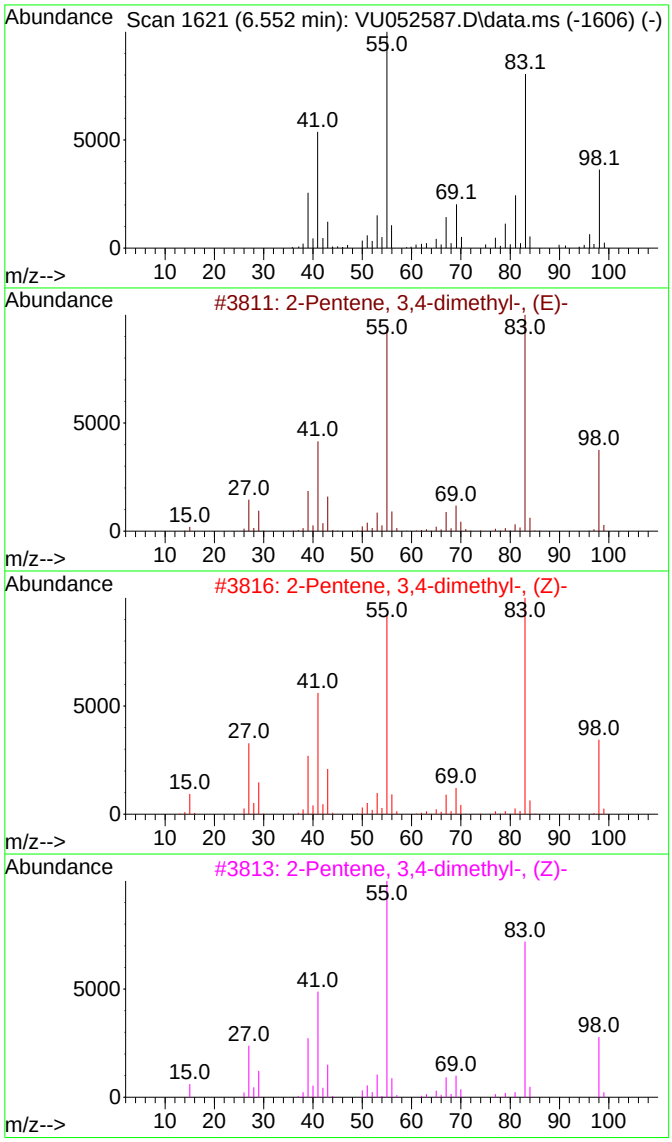
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

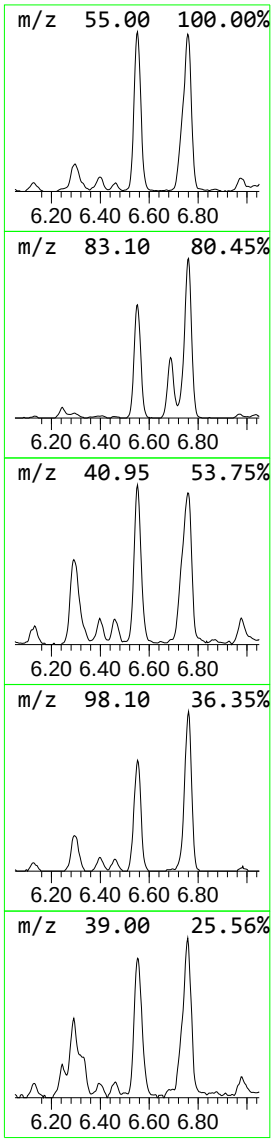
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.552	3.02 ug/L	305485	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
5	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	86





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Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

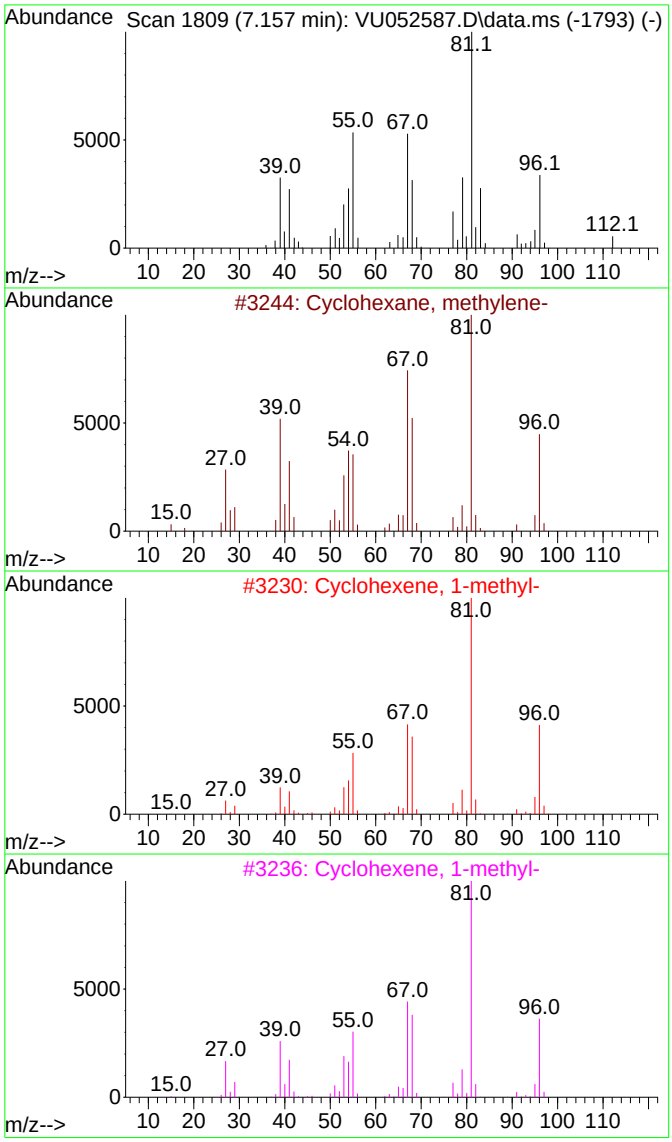
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

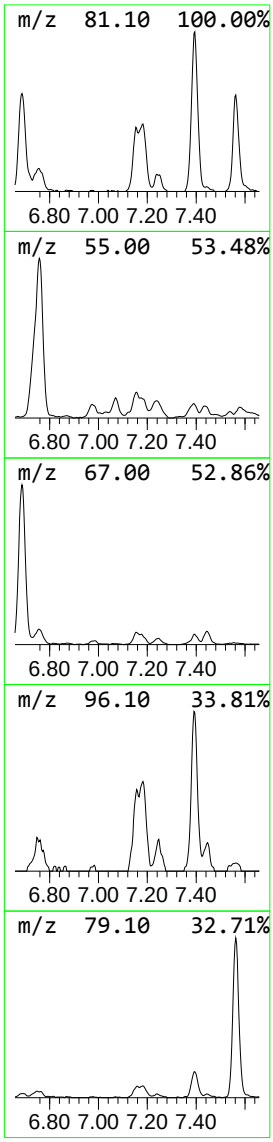
****

Peak Number 19 Cyclohexane, methylene- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.157	0.69 ug/L	70056	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methylene-	96	C7H12	001192-37-6	87
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	76
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

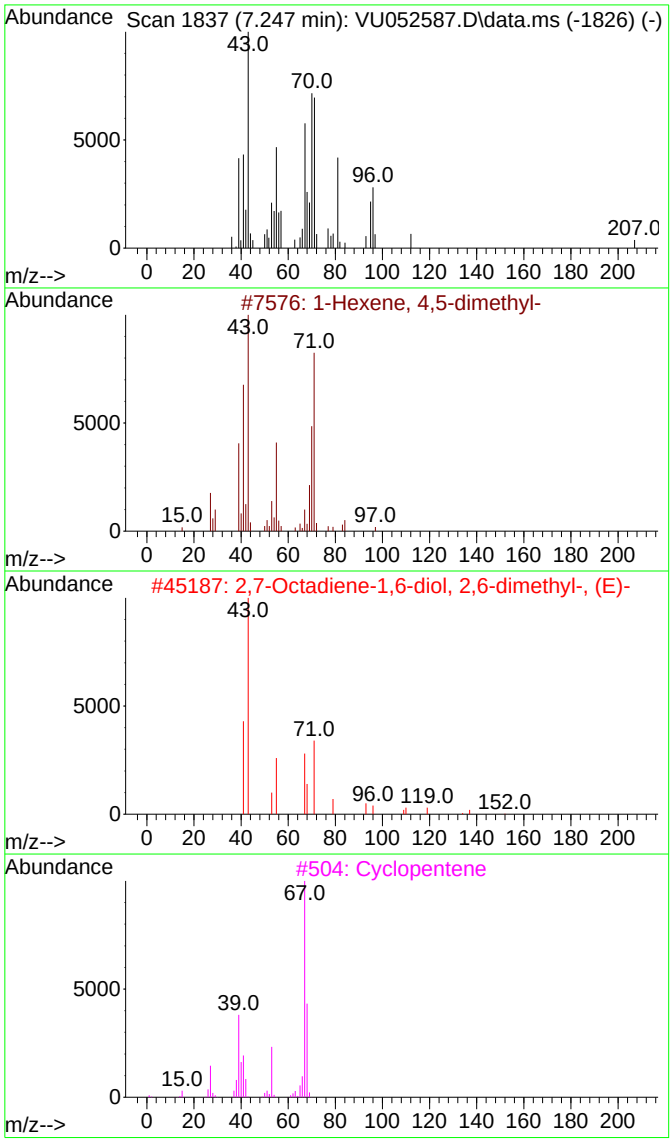
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

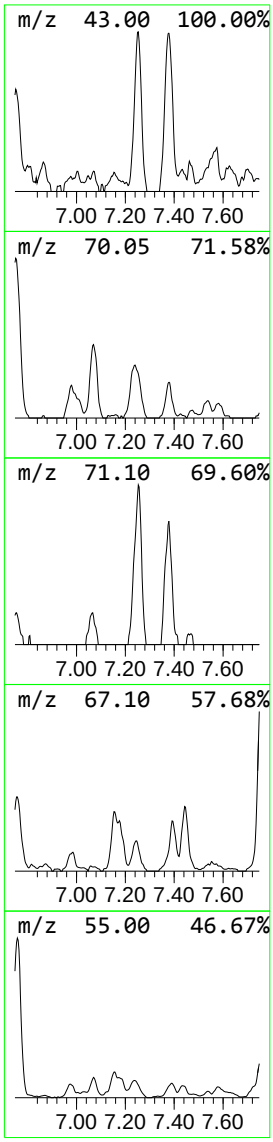
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.247	0.77 ug/L	77821	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	47
2	2,7-Octadiene-1,6-diol, 2,6-dime...	170	C10H18O2	075991-61-6	47
3	Cyclopentene	68	C5H8	000142-29-0	38
4	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	27
5	Bicyclo[6.1.0]nonane	124	C9H16	000286-60-2	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

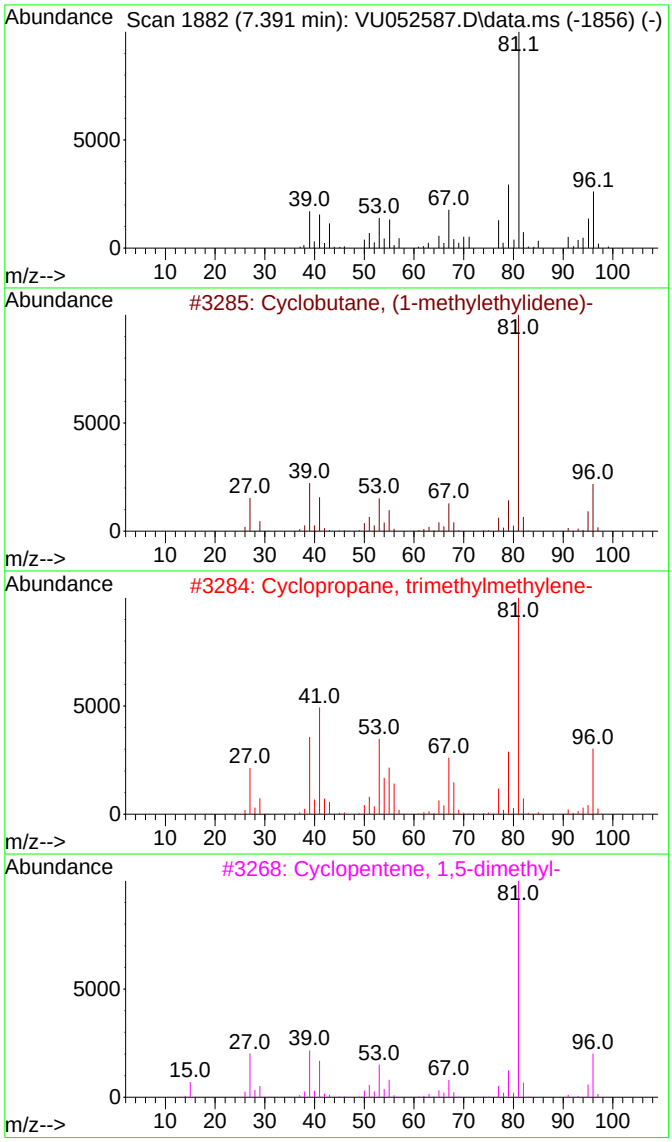
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

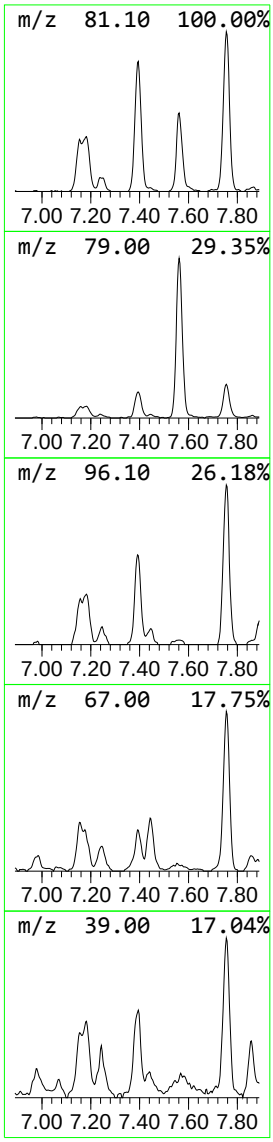
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Cyclobutane, (1-methylethyl... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.391	1.48 ug/L	149706	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	87
2	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	80
3	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	74
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	72
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

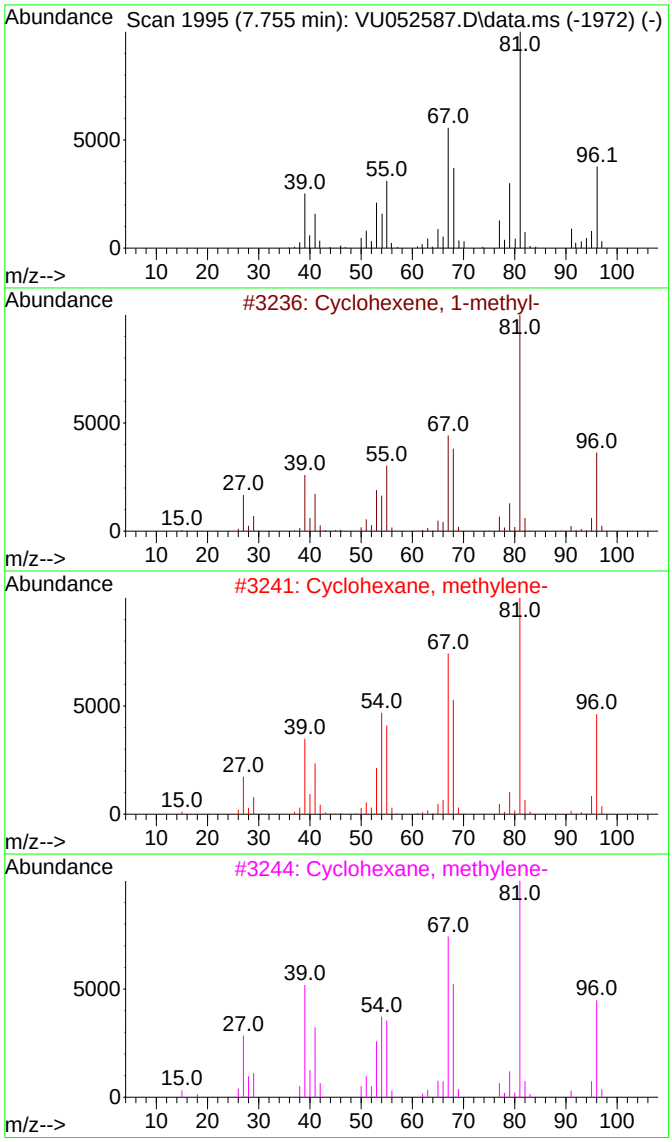
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

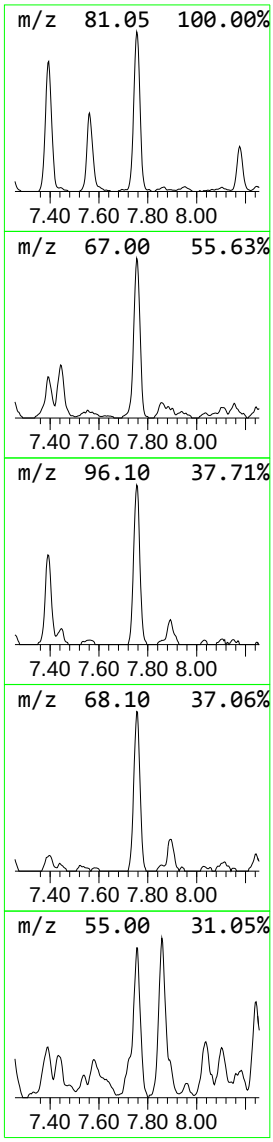
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Cyclohexene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.755	2.12 ug/L	214596	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
2	Cyclohexane, methylene-	96	C7H12	001192-37-6	87
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	87
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

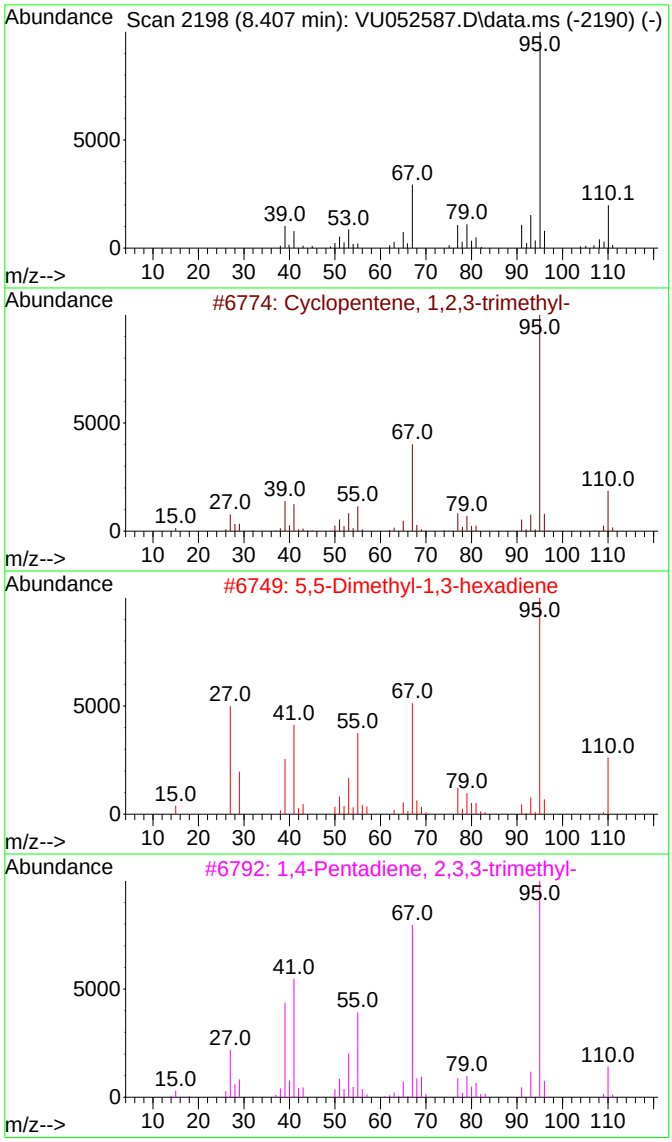
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

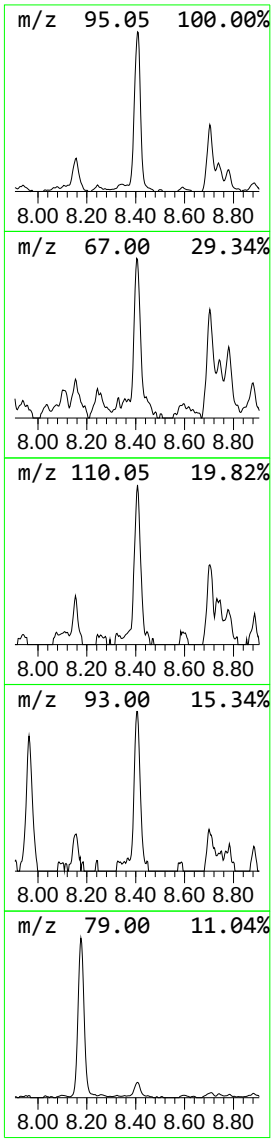
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.407	0.71 ug/L	86422	Chlorobenzene-d5	9.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
2	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	72
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64
4	Ketone, 1,5-dimethylbicyclo[2.1....	138	C9H14O	024081-57-0	64
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

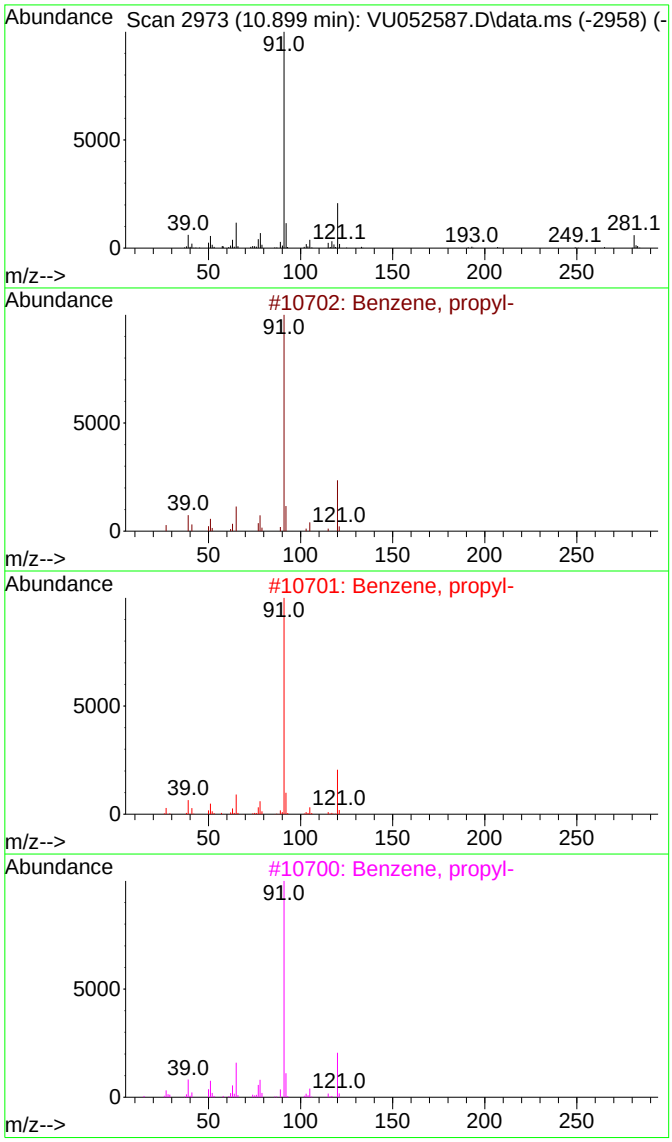
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

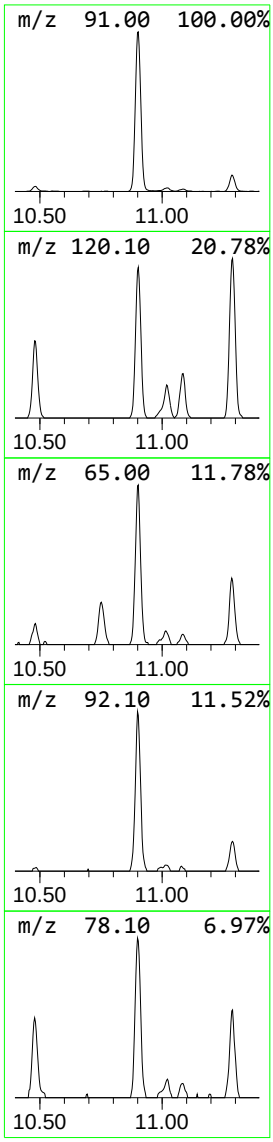
****

Peak Number 25 Benzene, propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.899	2.31 ug/L	268885	1,4-Dichlorobenzene-d4	11.806

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	81
3	Benzene, propyl-	120	C9H12	000103-65-1	81
4	Benzene, propyl-	120	C9H12	000103-65-1	72
5	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

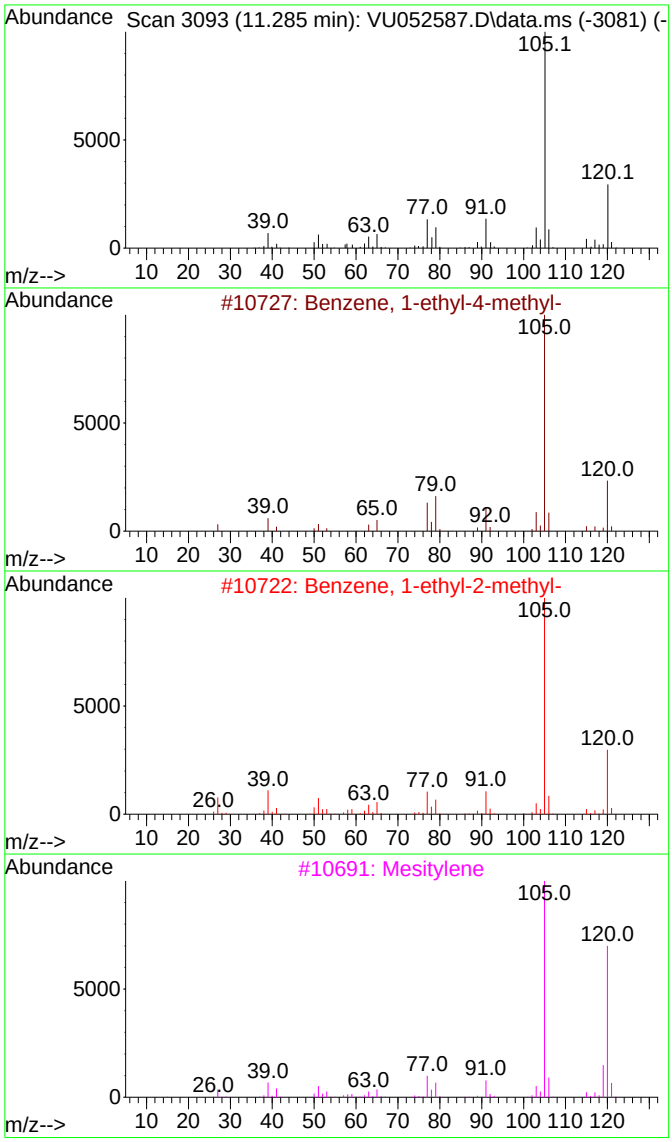
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

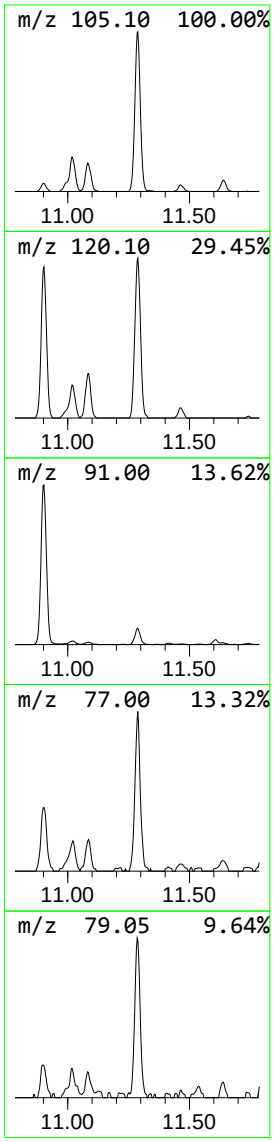
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1-ethyl-4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.285	2.03 ug/L	235973	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

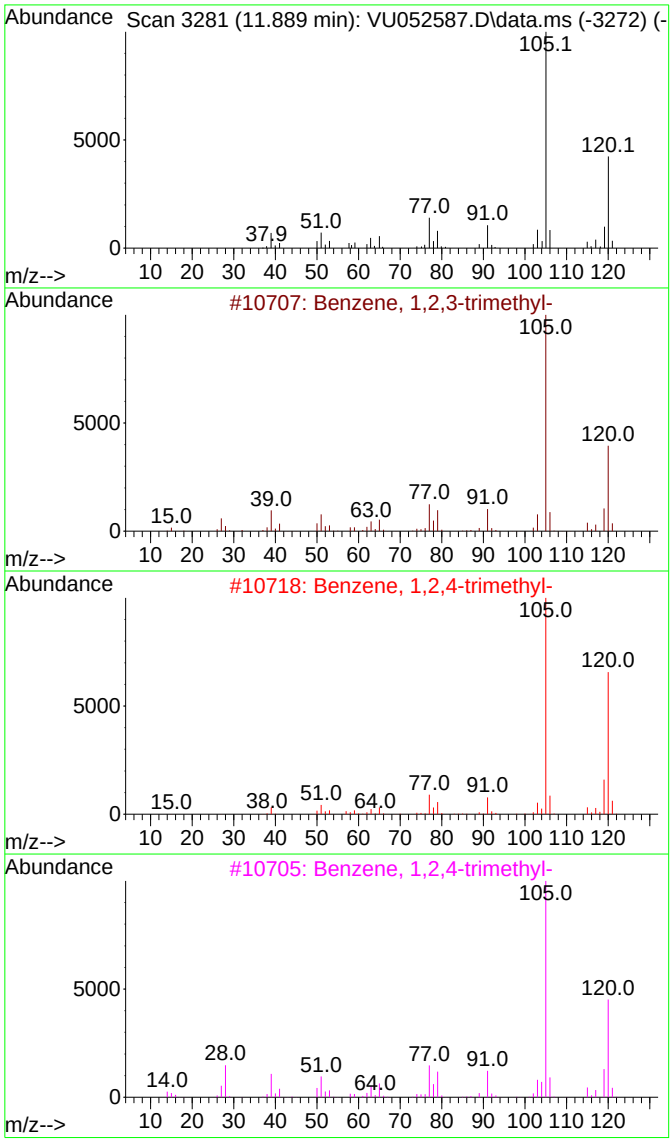
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

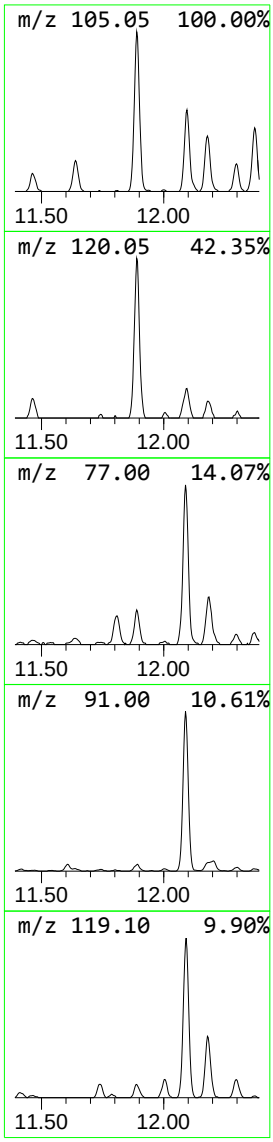
****

Peak Number 27 Benzene, 1,2,3-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.890	0.75 ug/L	87301	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

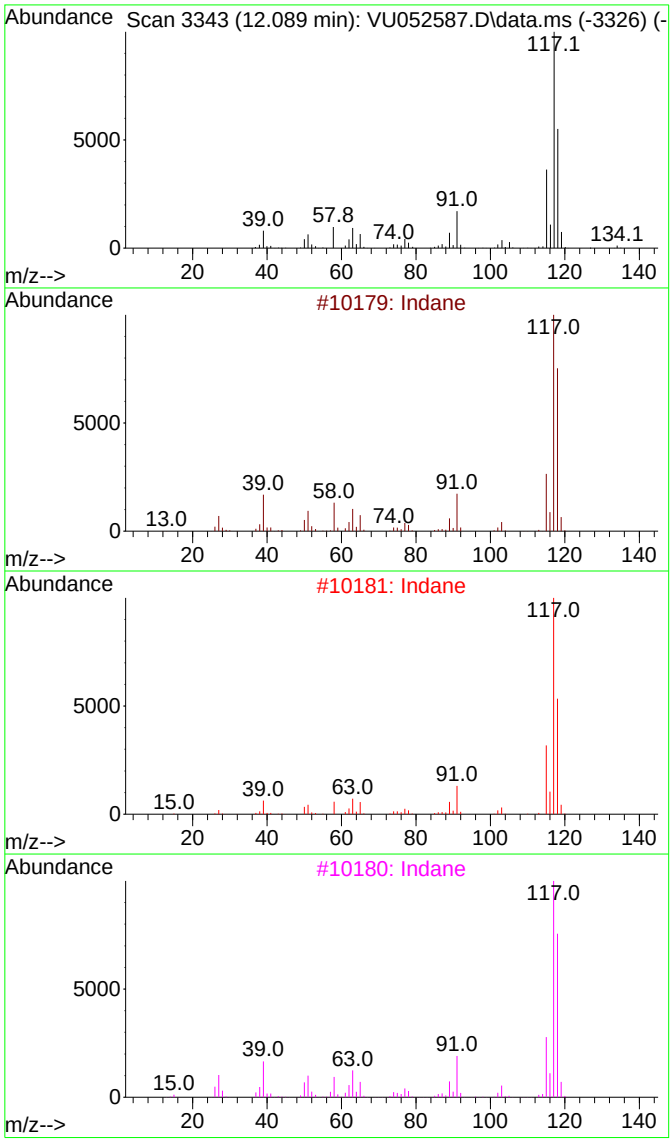
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

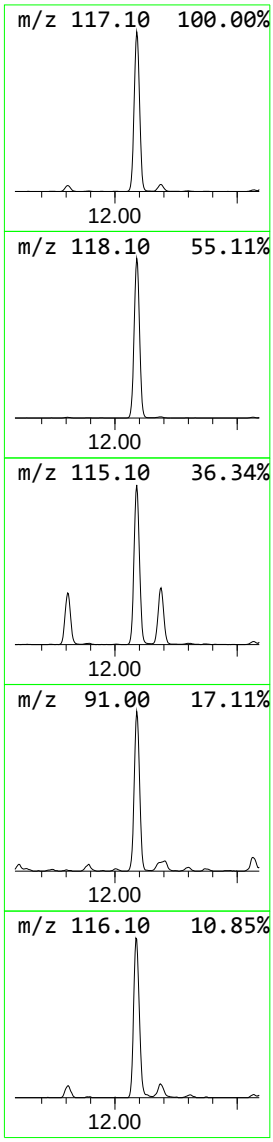
****

Peak Number 28 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.089	13.39 ug/L	1559930	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Indane	118	C9H10	000496-11-7	94
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

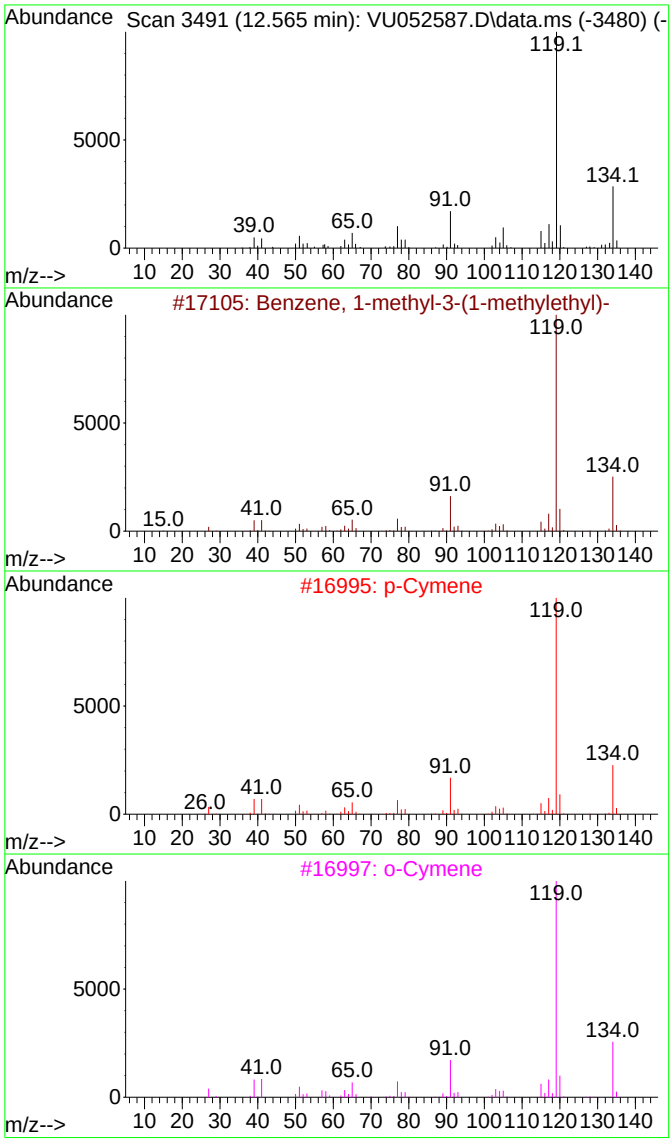
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

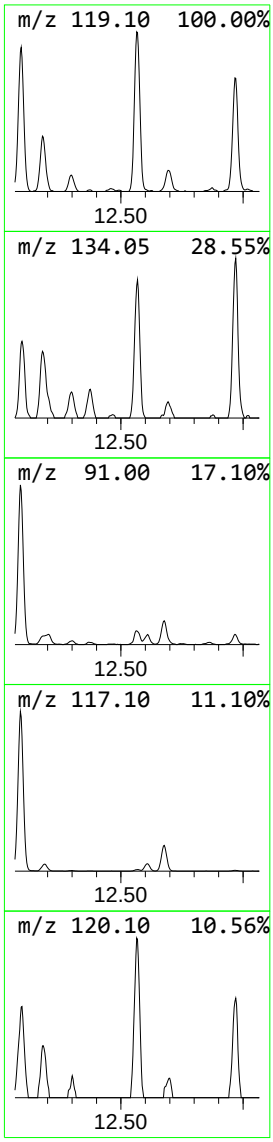
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1-methyl-3-(1-meth... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.565	1.01 ug/L	117385	1,4-Dichlorobenzene-d4	11.806

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

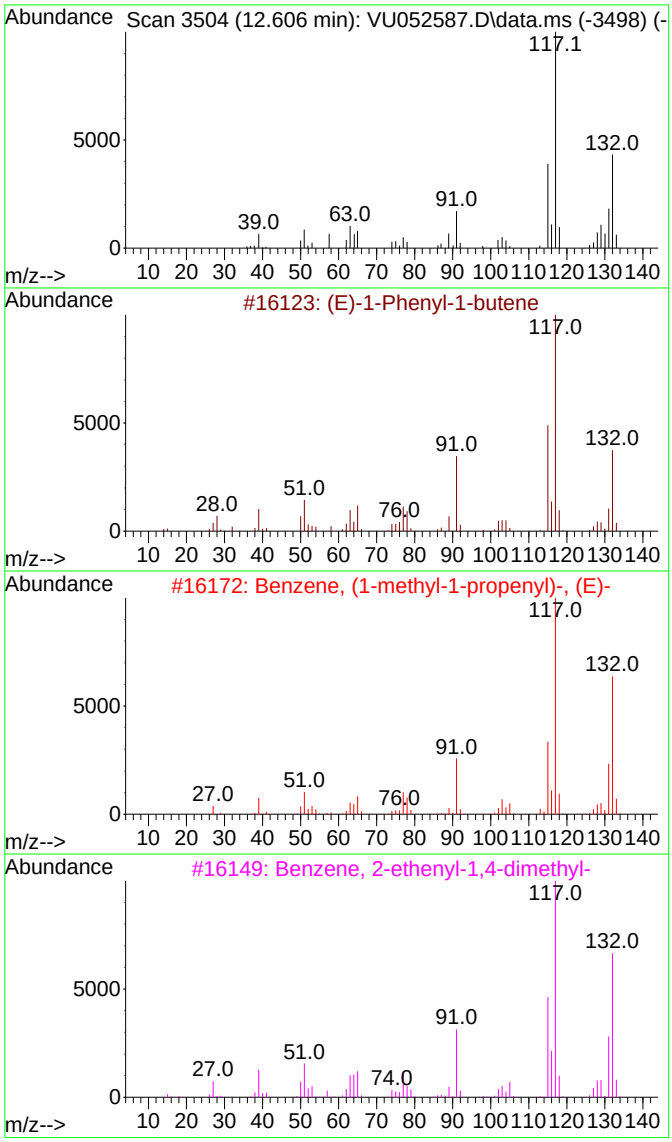
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

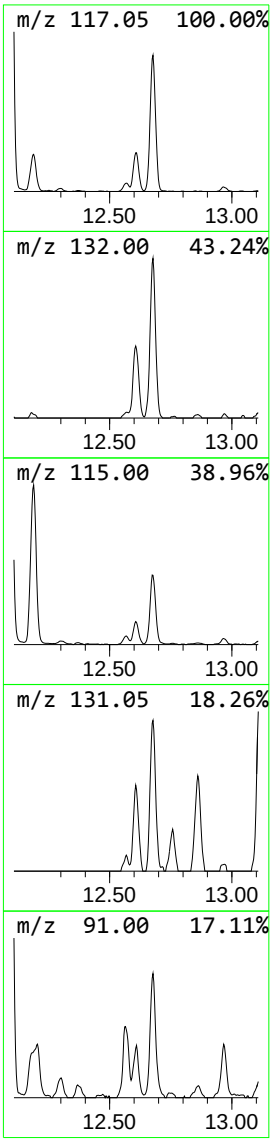
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (E)-1-Phenyl-1-butene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.607	0.76 ug/L	88483	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

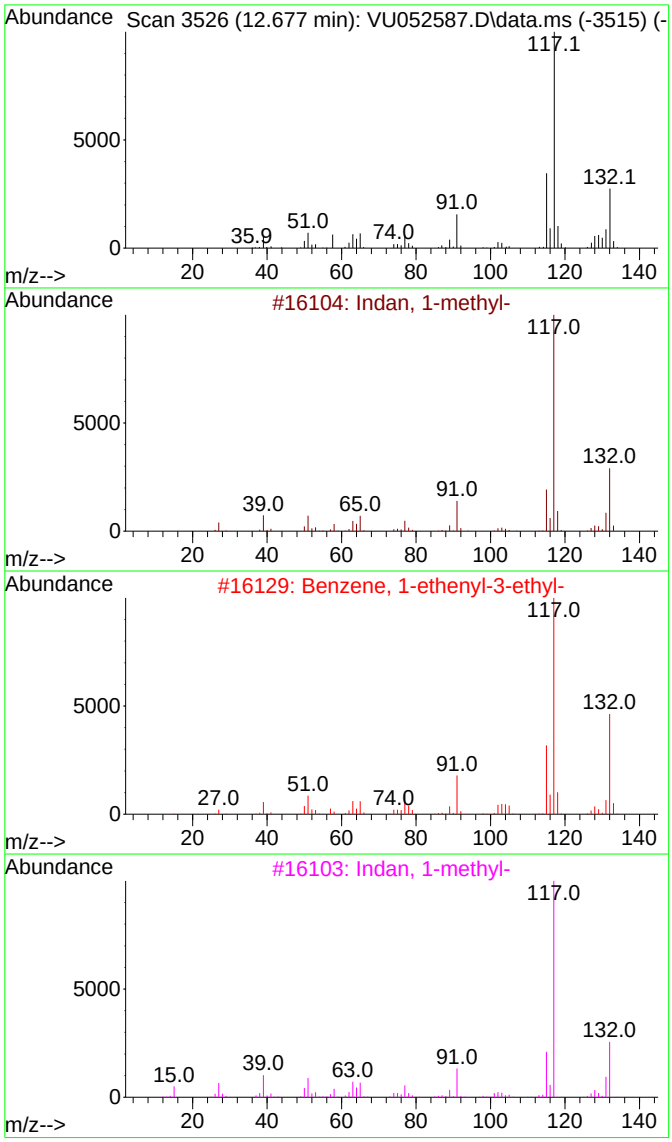
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

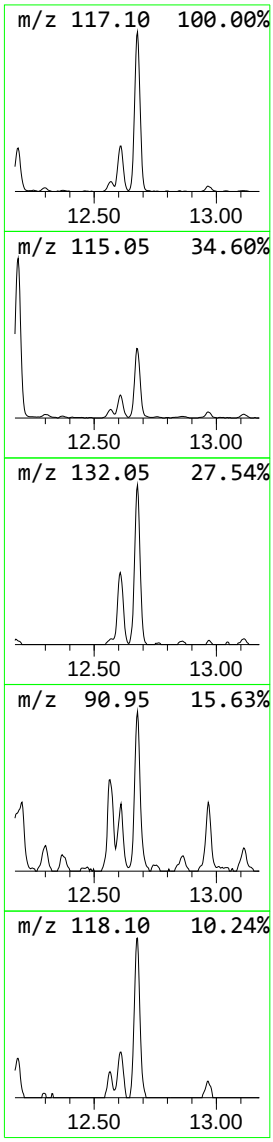
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Indan, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.677	2.20 ug/L	255852	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	86
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

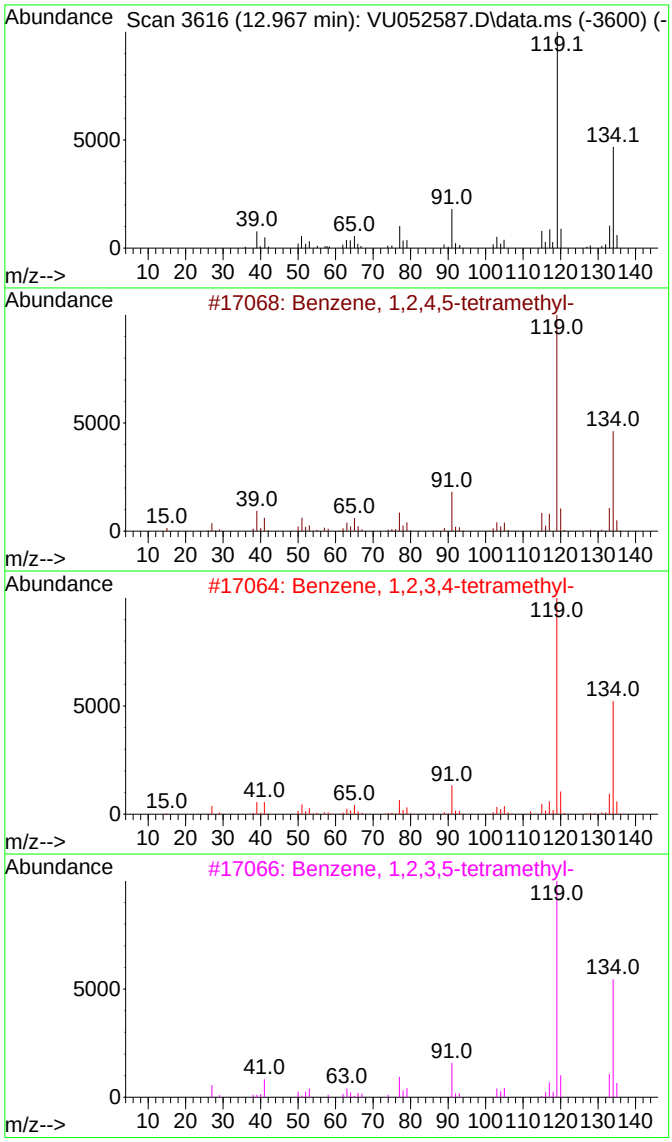
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

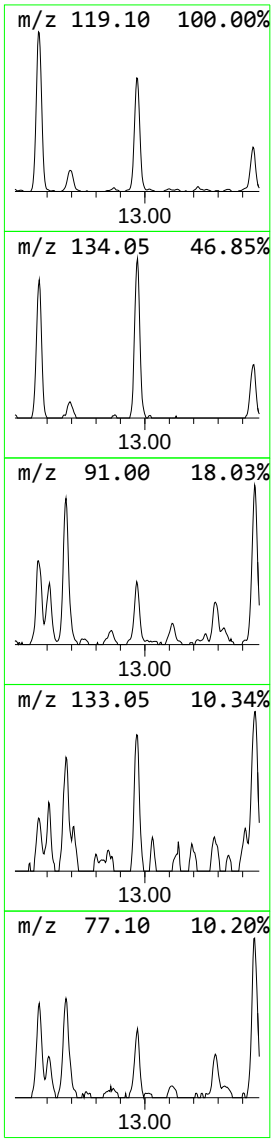
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.967	0.77 ug/L	90246	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

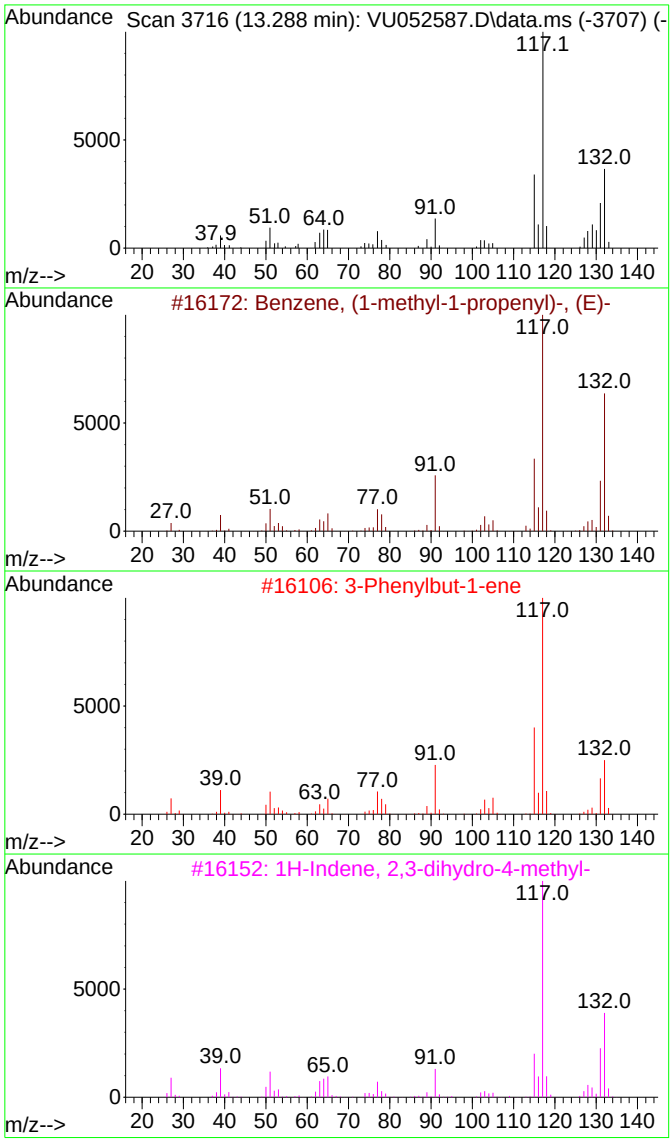
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

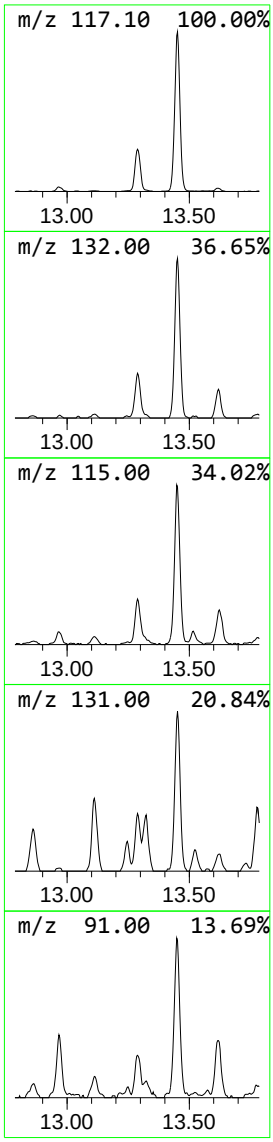
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, (1-methyl-1-propen... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.288	0.72 ug/L	83409	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

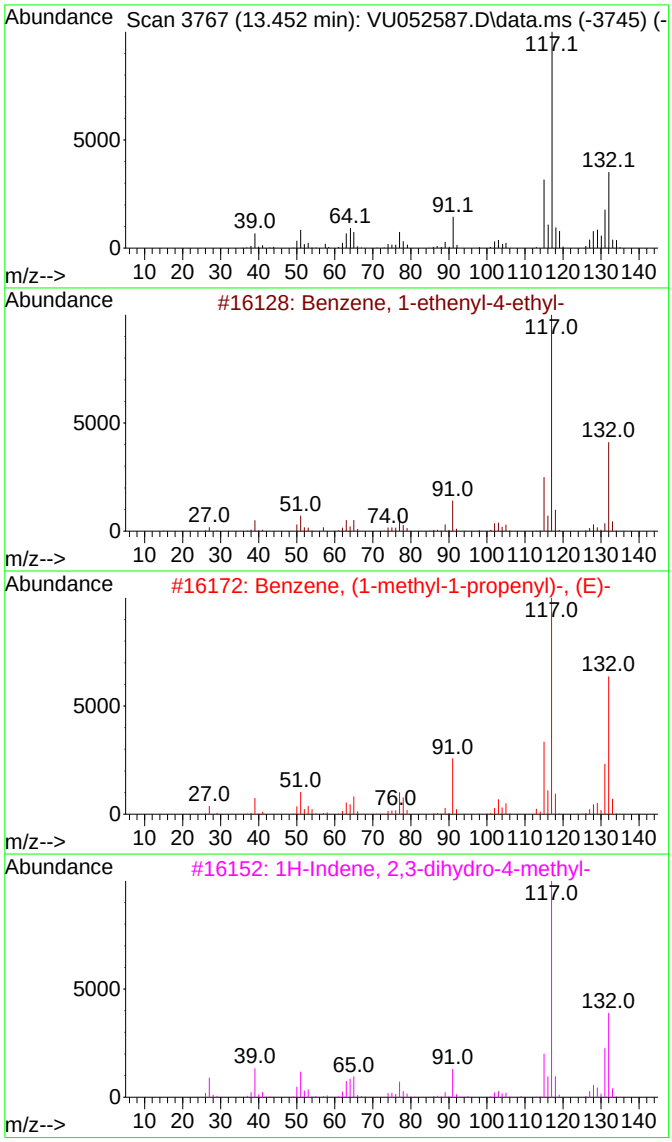
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

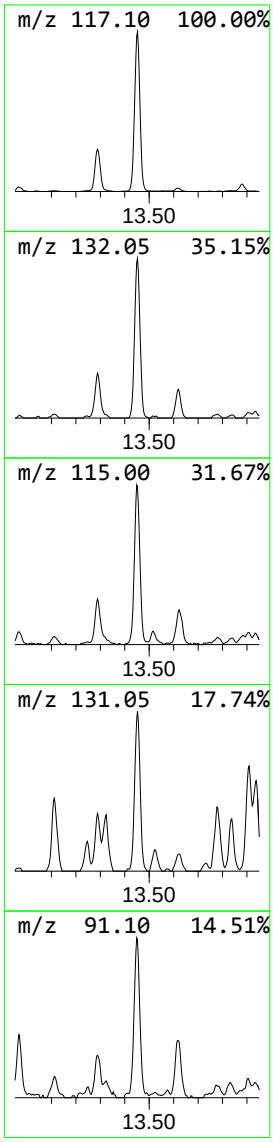
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.452	2.91 ug/L	339074	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

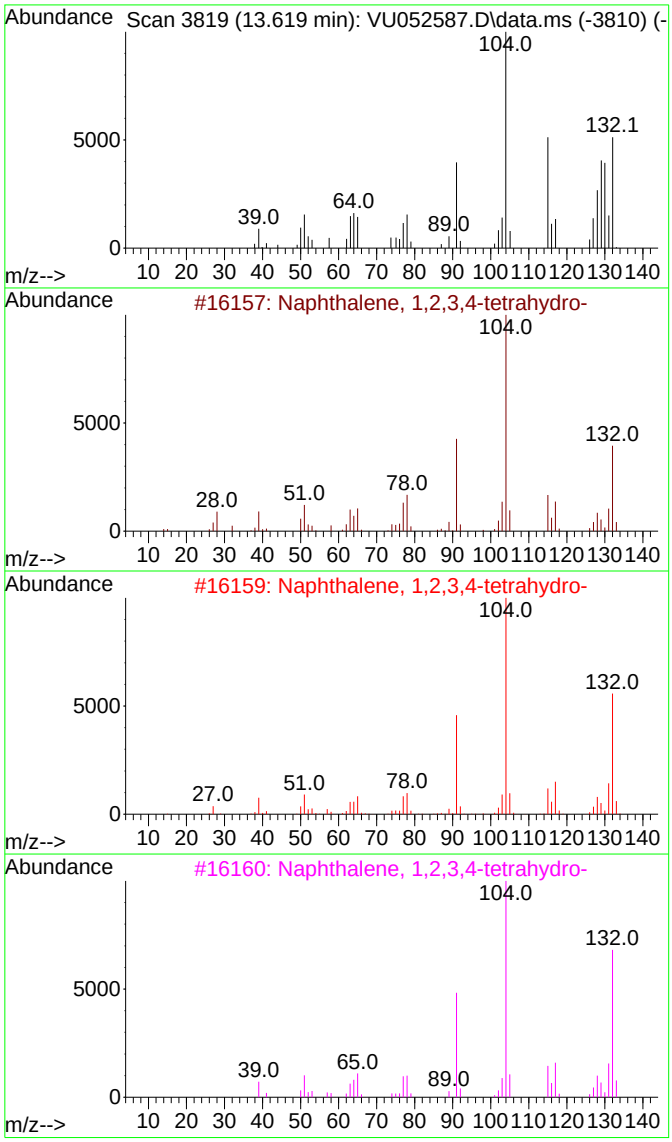
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

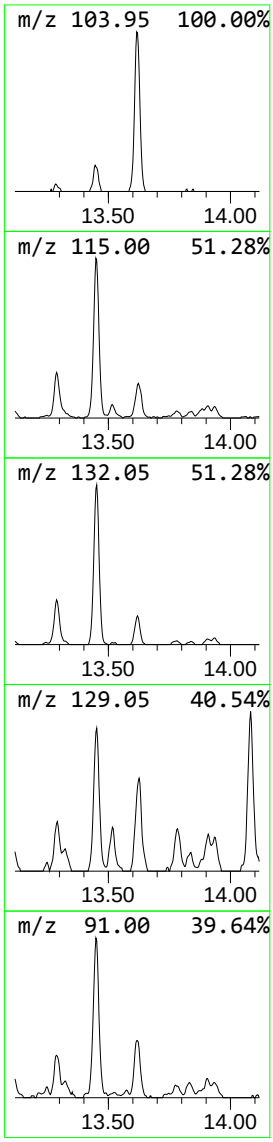
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.619	0.66 ug/L	76748	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	87
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

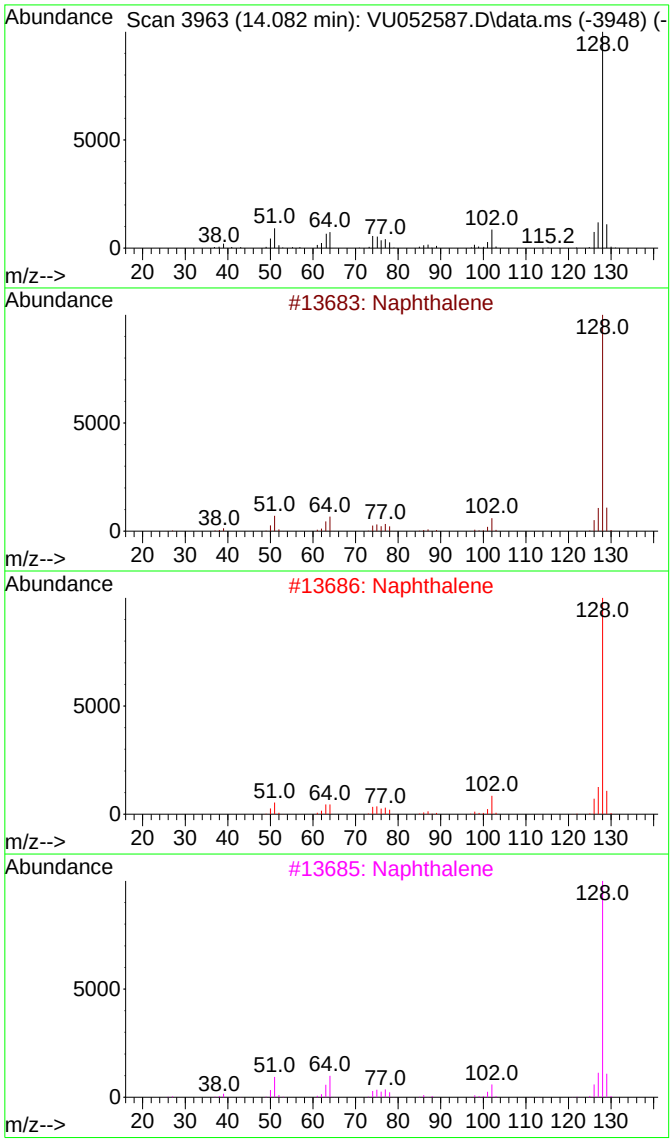
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

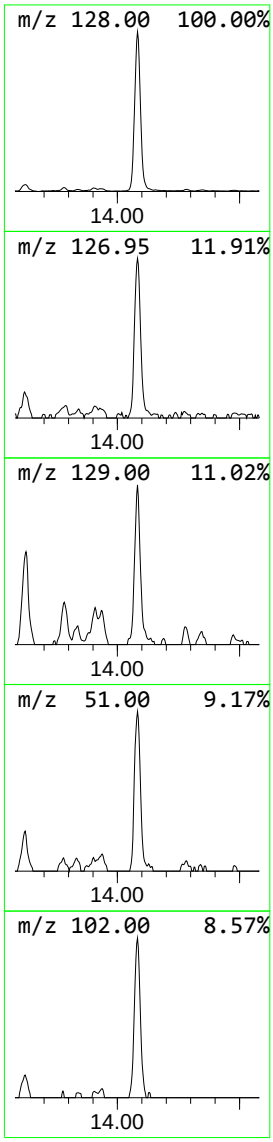
****

Peak Number 36 Azulene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.082	1.58 ug/L	184272	1,4-Dichlorobenzene-d4	11.806

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	95
3	Naphthalene	128	C10H8	000091-20-3	94
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
Data File : VU052587.D
Acq On : 28 Dec 2022 14:43
Operator : JC/MD
Sample : N6171-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQD6DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.996	6.1	ug/L	619530	1	6.247	505629	5.0
(DEL) Alkane: S...	2.205	2.0	ug/L	204587	1	6.247	505629	5.0
(DEL) Alkane: C...	2.469	6.8	ug/L	692233	1	6.247	505629	5.0
(DEL) Alkane: C...	3.137	5.9	ug/L	596528	1	6.247	505629	5.0
(DEL) Alkane: S...	3.359	1.9	ug/L	192551	1	6.247	505629	5.0
(DEL) Alkane: C...	3.977	2.2	ug/L	218057	1	6.247	505629	5.0
(DEL) Alkane: S...	4.086	1.8	ug/L	179962	1	6.247	505629	5.0
(DEL) Alkane: S...	4.330	2.2	ug/L	218935	1	6.247	505629	5.0
(DEL) Alkane: S...	4.433	0.5	ug/L	53472	1	6.247	505629	5.0
(DEL) Alkane: C...	4.530	8.0	ug/L	812623	1	6.247	505629	5.0
(DEL) Alkane: S...	5.124	1.0	ug/L	97337	1	6.247	505629	5.0
Cyclopentene, 1...	5.176	2.9	ug/L	294474	1	6.247	505629	5.0
(DEL) Alkane: S...	5.459	2.5	ug/L	249187	1	6.247	505629	5.0
(DEL) Alkane: C...	5.636	1.2	ug/L	119023	1	6.247	505629	5.0
(DEL) Alkane: C...	5.845	1.1	ug/L	111655	1	6.247	505629	5.0
Cyclobutane, et...	5.893	3.5	ug/L	350343	1	6.247	505629	5.0
(DEL) Alkane: C...	5.980	2.8	ug/L	286105	1	6.247	505629	5.0
(DEL) Alkane: S...	6.552	3.0	ug/L	305485	1	6.247	505629	5.0
Cyclohexane, me...	7.157	0.7	ug/L	70056	1	6.247	505629	5.0
(DEL) Alkane: S...	7.247	0.8	ug/L	77821	1	6.247	505629	5.0
Cyclobutane, (1...	7.391	1.5	ug/L	149706	1	6.247	505629	5.0
Cyclohexene, 1-...	7.755	2.1	ug/L	214596	1	6.247	505629	5.0
Cyclopentene, 1...	8.407	0.7	ug/L	86422	2	9.414	605267	5.0
Benzene, propyl-	10.899	2.3	ug/L	268885	3	11.806	582364	5.0
Benzene, 1-ethy...	11.285	2.0	ug/L	235973	3	11.806	582364	5.0
Benzene, 1,2,3-...	11.890	0.8	ug/L	87301	3	11.806	582364	5.0
Indane	12.089	13.4	ug/L	1559930	3	11.806	582364	5.0
Benzene, 1-meth...	12.565	1.0	ug/L	117385	3	11.806	582364	5.0
(E)-1-Phenyl-1-...	12.607	0.8	ug/L	88483	3	11.806	582364	5.0
Indan, 1-methyl-	12.677	2.2	ug/L	255852	3	11.806	582364	5.0
Benzene, 1,2,4,...	12.967	0.8	ug/L	90246	3	11.806	582364	5.0
Benzene, (1-met...	13.288	0.7	ug/L	83409	3	11.806	582364	5.0
Benzene, 1-ethe...	13.452	2.9	ug/L	339074	3	11.806	582364	5.0
Naphthalene, 1,...	13.619	0.7	ug/L	76748	3	11.806	582364	5.0
Azulene	14.082	1.6	ug/L	184272	3	11.806	582364	5.0