LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

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\SFAMVTR092222WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV028137.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.301	72	81	92	rVB2	56574	70342	2.71%	0.595%
2	1.375	99	104	108	rBV	26834	27220	1.05%	0.230%
3	1.410	108	115	125	rVV	207155	232118	8.96%	1.963%
4	1.561	154	162	171	rVB	44350	50808	1.96%	0.430%
5	1.947	275	282	297	rVB2	20155	31404	1.21%	0.266%
6	2.101	319	330	340	rBV	82152	124039	4.79%	1.049%
7	2.162	341	349	364	rVB	27792	50370	1.94%	0.426%
8	2.638	482	497	515	rVB3	13135	35646	1.38%	0.302%
9	2.764	523	536	553	rBV3	21944	47471	1.83%	0.402%
10	2.950	579	594	614	rBV3	20352	44249	1.71%	0.374%
11	3.883	868	884	929	rBV2	227740	751010	28.98%	6.352%
12	4.339	1012	1026	1049	rBV4	80106	210896	8.14%	1.784%
13	5.043	1229	1245	1277	rBV2	129295	360354	13.90%	3.048%
14	5.320	1319	1331	1346	rBV5	26822	62865	2.43%	0.532%
15	5.503	1376	1388	1411	rVB3	12529	29584	1.14%	0.250%
16	5.616	1411	1423	1441	rBV2	89253	188927	7.29%	1.598%
17	6.066	1549	1563	1574	rBV2	76508	164609	6.35%	1.392%
18	6.124	1576	1581	1597	rVB4	26600	54088	2.09%	0.457%
19	6.387	1652	1663	1681	rBV2	10025	26532	1.02%	0.224%
20	6.989	1839	1850	1866	rBV3	37347	74472	2.87%	0.630%
21	7.313	1942	1951	1969	rVB	126886	230416	8.89%	1.949%
22	7.628	2038	2049	2068	rBV4	24669	65672	2.53%	0.555%
23	7.931	2130	2143	2156	rBV3	15696	30367	1.17%	0.257%
24	8.085	2173	2191	2214	rBV	368988	653962	25.23%	5.531%
25	8.214	2221	2231	2248	rBV	136146	269349	10.39%	2.278%
26	8.876	2418	2437	2468	rBV	1459456	2591729	100.00%	21.921%
27	9.149	2499	2522	2530	rBV9	21321	59592	2.30%	0.504%
28	9.474	2611	2623	2637	rVB9	25143	55112	2.13%	0.466%
29	9.709	2677	2696	2705	rBV4	59719	118168	4.56%	0.999%
30	9.799	2707	2724	2733	rVV6	56635	127162	4.91%	1.076%
31	9.847	2734	2739	2750	rVB2	31040	50710	1.96%	0.429%
32	9.927	2751	2764	2772	rBV	58425	101589	3.92%	0.859%
33	10.014	2784	2791	2802	rVB3	39073	61137	2.36%	0.517%
34	10.082	2806	2812	2819	rVV3	23809	31214	1.20%	0.264%
35	10.124	2819	2825	2835	rVB2	34504	50303	1.94%	0.425%
36	10.214	2846	2853	2871	rVB2	103517	222719	8.59%	1.884%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

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\SFAMVTR092222WMA.M
Title : TRACE VOA SFAM1.0

37	10.390	2901	2908	2917	rVB5	34859	55408	2.14%	0.469%
38	10.452	2919	2927	2936	rVB4	35537	61432	2.37%	0.520%
39	10.506	2936	2944	2952	rBV3	56049	94582	3.65%	0.800%
40	10.564	2954	2962	2973	rVB5	63186	107627	4.15%	0.910%
41	10.728	3005	3013	3019	rBV6	21531	39798	1.54%	0.337%
42	10.770	3021	3026	3034	rVB4	31389	40945	1.58%	0.346%
43	10.831	3038	3045	3050	rBV6	26291	38028	1.47%	0.322%
44	10.876	3051	3059	3065	rVV3	72906	115302	4.45%	0.975%
45	10.911	3065	3070	3078	rVB	45576	65998	2.55%	0.558%
46	11.033	3099	3108	3113	rBV	61398	114601	4.42%	0.969%
47	11.088	3120	3125	3134	rVB2	74781	112233	4.33%	0.949%
48	11.146	3135	3143	3150	rBV5	107675	166357	6.42%	1.407%
49	11.246	3165	3174	3192	rVB2	179779	388055	14.97%	3.282%
50	11.387	3209	3218	3223	rBV3	80506	130216	5.02%	1.101%
51	11.423	3224	3229	3247	rVB4	88895	163913	6.32%	1.386%
52	11.541	3254	3266	3278	rBV3	100833	222700	8.59%	1.884%
53	11.619	3279	3290	3313	rVB4	235501	505234	19.49%	4.273%
54	11.776	3333	3339	3347	rVB5	27850	41347	1.60%	0.350%
55	12.011	3404	3412	3429	rVB	192284	305100	11.77%	2.581%
56	12.111	3436	3443	3453	rVB3	82883	125726	4.85%	1.063%
57	12.249	3477	3486	3494	rBV9	27557	57258	2.21%	0.484%
58	12.294	3496	3500	3510	rVB4	27746	35787	1.38%	0.303%
59	12.371	3516	3524	3527	rBV6	25101	38603	1.49%	0.327%
60	12.410	3528	3536	3546	rVB	253300	381351	14.71%	3.226%
61	12.468	3548	3554	3568	rVB	22799	42640	1.65%	0.361%
62	12.545	3575	3578	3586	rVB2	28892	34997	1.35%	0.296%
63	12.596	3586	3594	3602	rBV4	37828	63514	2.45%	0.537%
64	12.722	3625	3633	3648	rVB	69097	113530	4.38%	0.960%
65	12.876	3670	3681	3700	rBV2	195057	337522	13.02%	2.855%
66	13.265	3795	3802	3811	rBV	50875	79633	3.07%	0.674%
67	13.480	3863	3869	3881	rVB	14189	26546	1.02%	0.225%
68	13.908	3997	4002	4016	rVB9	16051	33576	1.30%	0.284%
69	14.094	4049	4060	4071	rBV6	22811	57004	2.20%	0.482%
70	14.226	4094	4101	4111	rVV2	29835	45684	1.76%	0.386%
71	14.287	4113	4120	4132	rVB4	20825	37989	1.47%	0.321%
72	14.821	4280	4286	4296	rVB7	17401	32324	1.25%	0.273%
73	15.805	4585	4592	4601	rBV	34851	54214	2.09%	0.459%
74	16.175	4701	4707	4718	rVB6	17014	28201	1.09%	0.239%
75	16.477	4794	4801	4811	rVB2	46205	71601	2.76%	0.606%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

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\SFAMVTR092222WMA.M
Title : TRACE VOA SFAM1.0

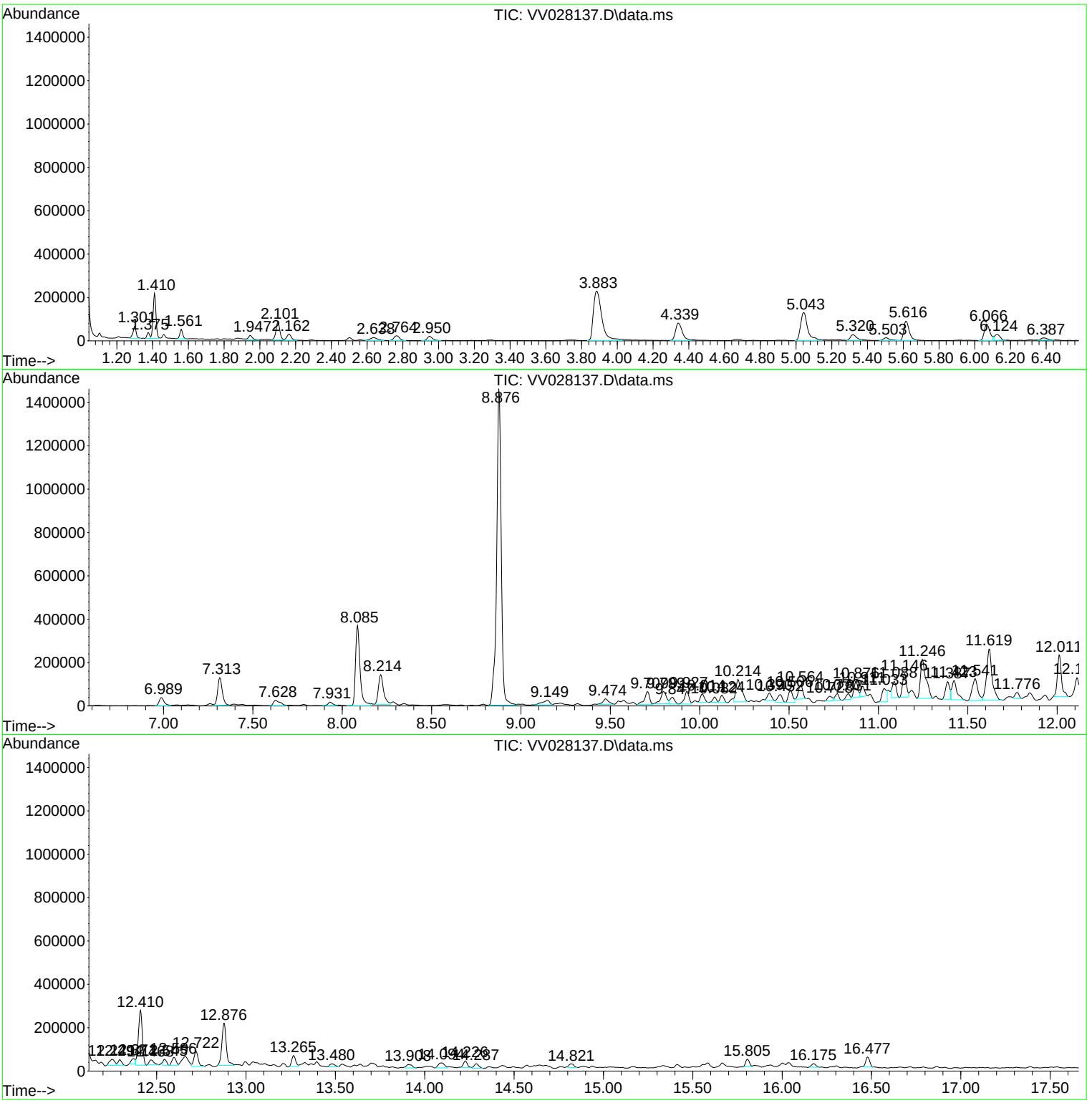
Sum of corrected areas: 11822781

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

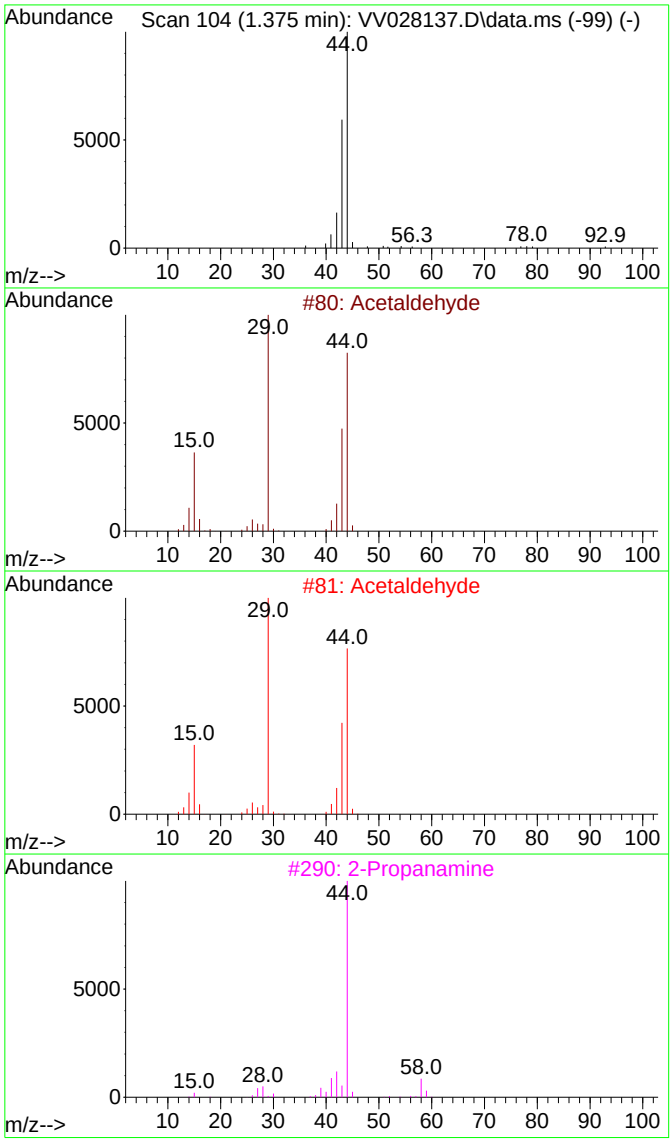
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

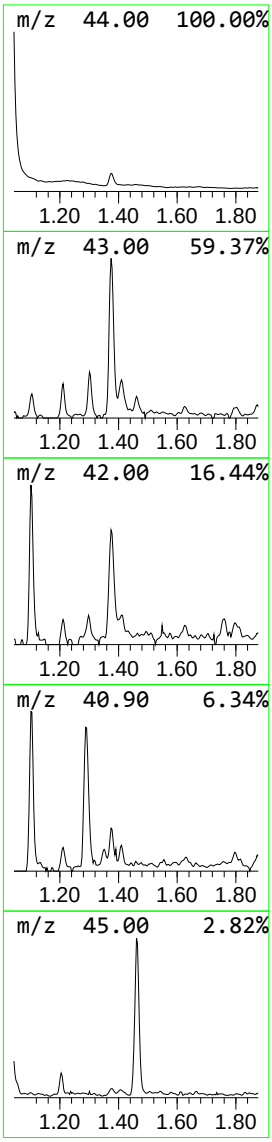
****

Peak Number 1 Acetaldehyde Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.375	0.72 ug/L	27220	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	56
2	Acetaldehyde	44	C2H4O	000075-07-0	56
3	2-Propanamine	59	C3H9N	000075-31-0	9
4	Propane	44	C3H8	000074-98-6	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

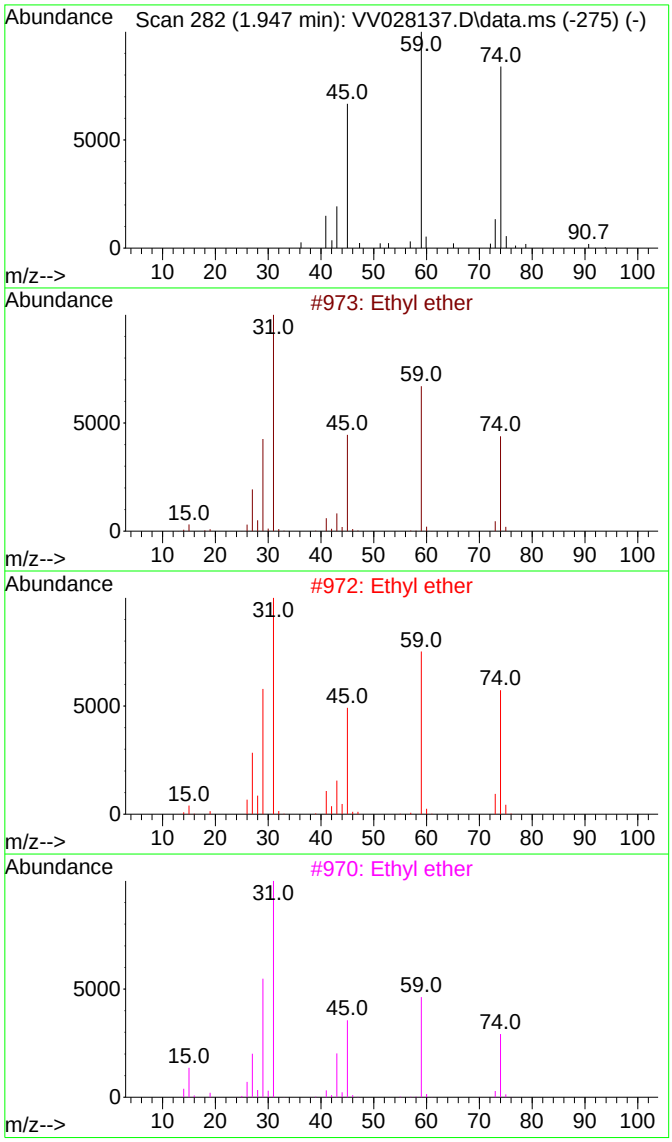
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

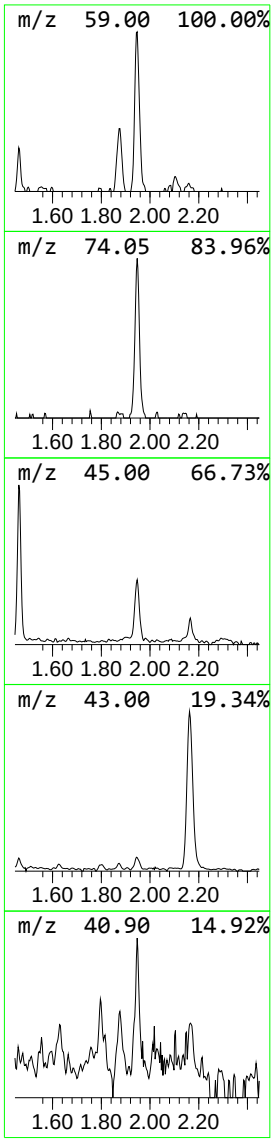
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethyl ether Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.947	0.83 ug/L	31404	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	90
4	Ethyl ether	74	C4H10O	000060-29-7	80
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

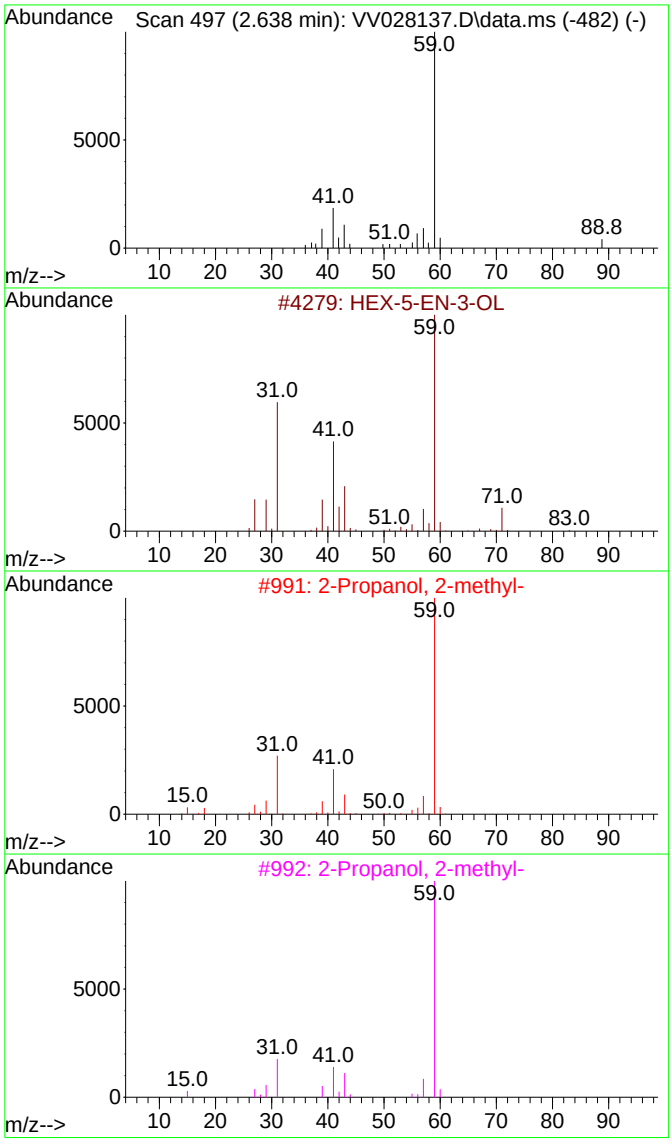
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

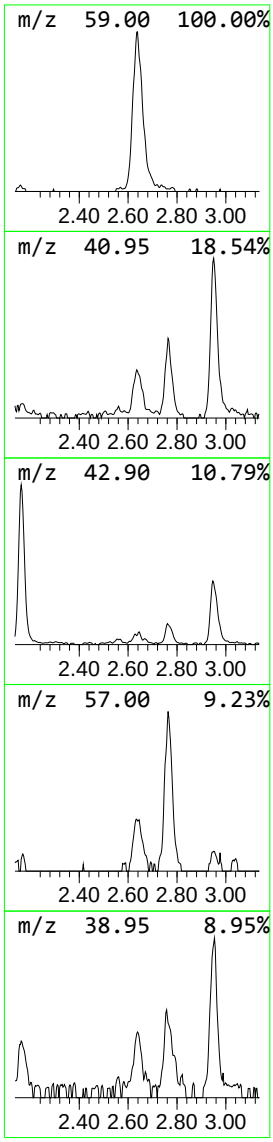
****

Peak Number 4 HEX-5-EN-3-OL Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.638	0.94 ug/L	35646	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	HEX-5-EN-3-OL	100	C6H12O	000688-99-3	78
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56
4	3-Pentanol	88	C5H12O	000584-02-1	50
5	5-Hexyn-3-ol	98	C6H10O	019780-84-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

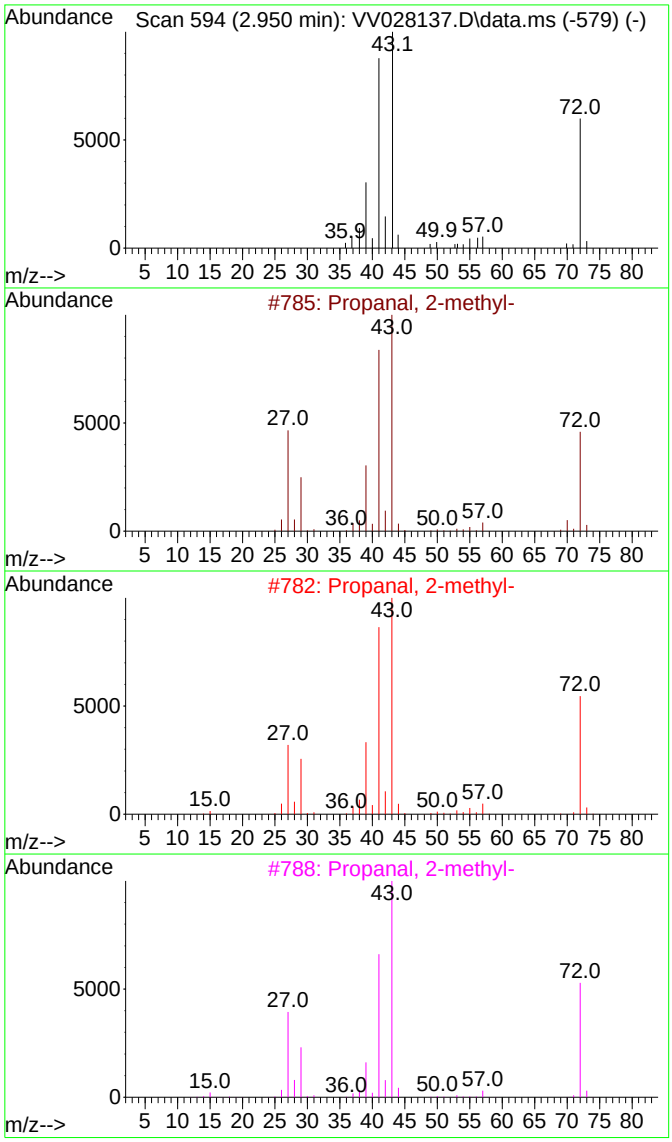
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

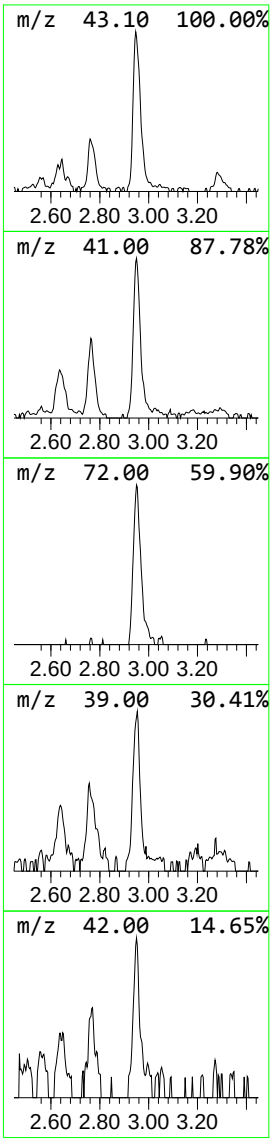
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Propanal, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.950	1.17 ug/L	44249	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	87
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	86
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	72
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	64
5	Butanal	72	C4H8O	000123-72-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

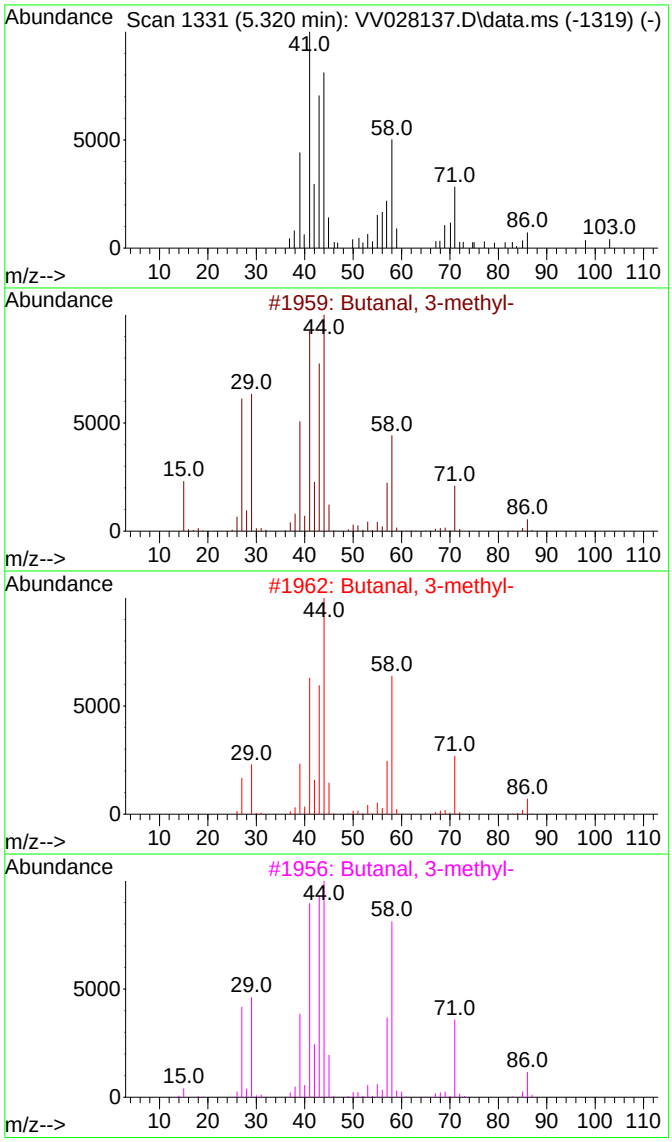
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

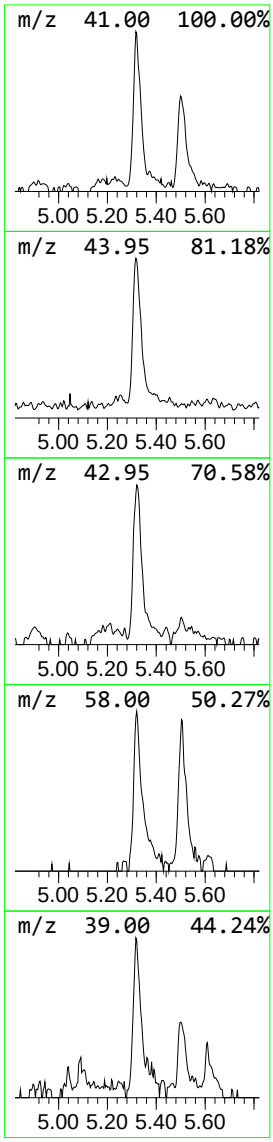
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Butanal, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.320	1.66 ug/L	62865	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	81
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	58
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	58
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	50
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

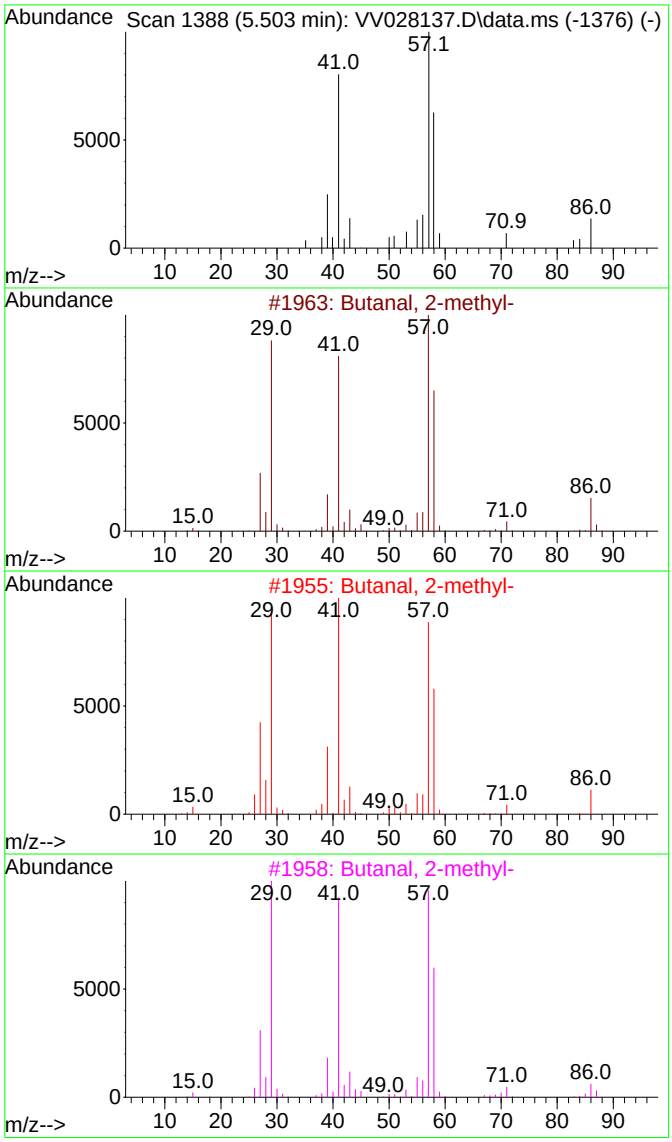
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

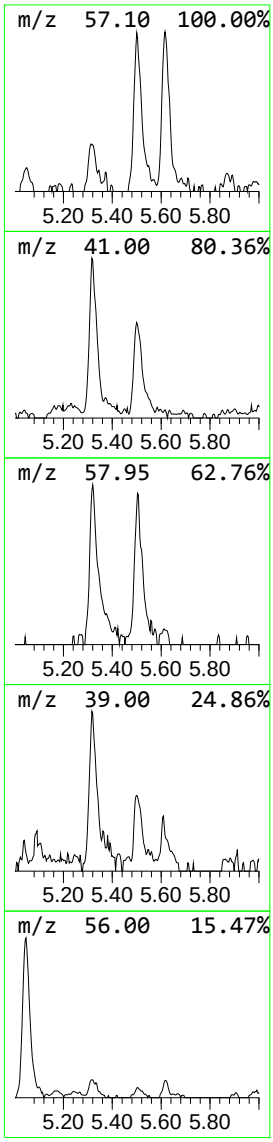
****

Peak Number 7 Butanal, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.503	0.78 ug/L	29584	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 2-methyl-	86	C5H10O	000096-17-3	80
2	Butanal, 2-methyl-	86	C5H10O	000096-17-3	64
3	Butanal, 2-methyl-	86	C5H10O	000096-17-3	53
4	Allyl ethyl ether	86	C5H10O	000557-31-3	38
5	Silacyclopentane	86	C4H10Si	000288-06-2	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

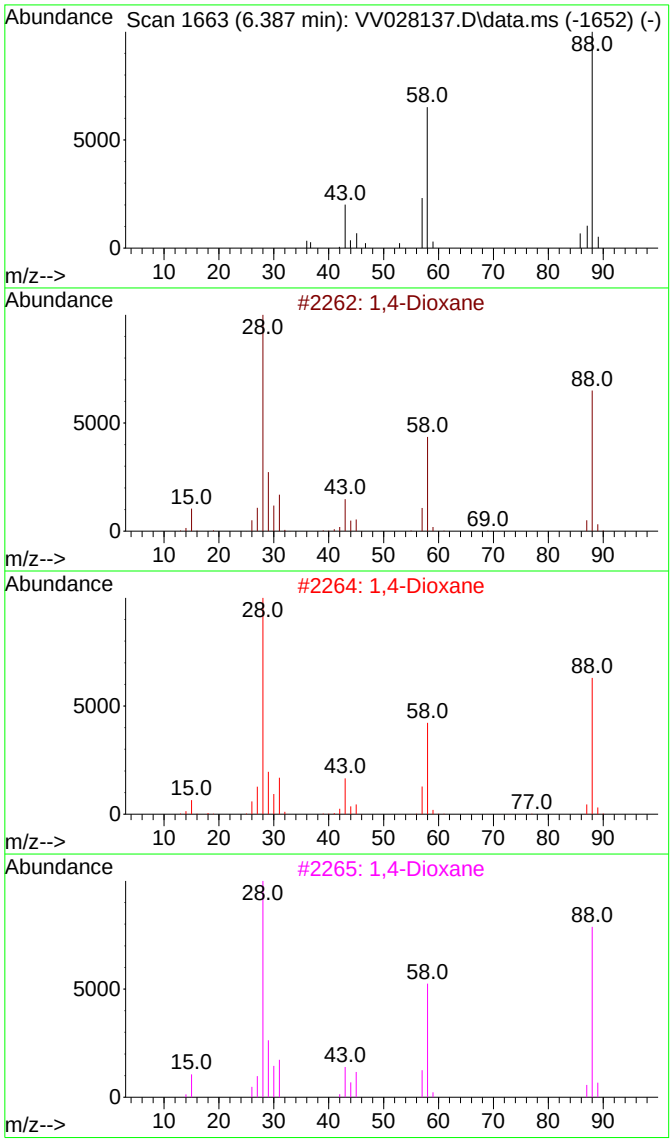
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

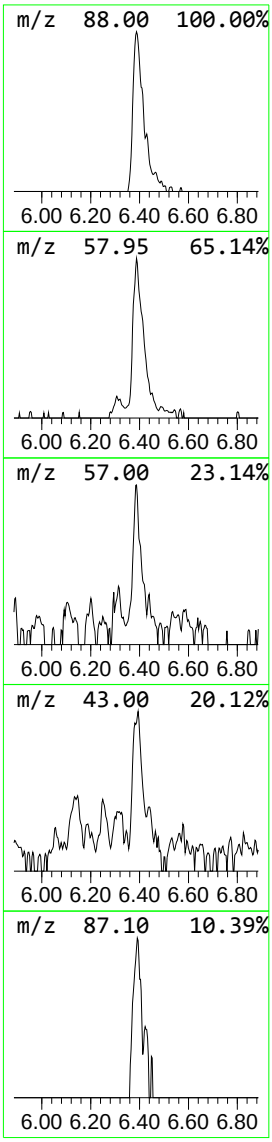
****

Peak Number 8 1,4-Dioxane Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.387	0.70 ug/L	26532	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	90
2	1,4-Dioxane	88	C4H8O2	000123-91-1	78
3	1,4-Dioxane	88	C4H8O2	000123-91-1	72
4	1,3,6-Trioxocane	118	C5H10O3	001779-19-7	64
5	1,2,3-Thiadiazole	86	C2H2N2S	000288-48-2	16





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

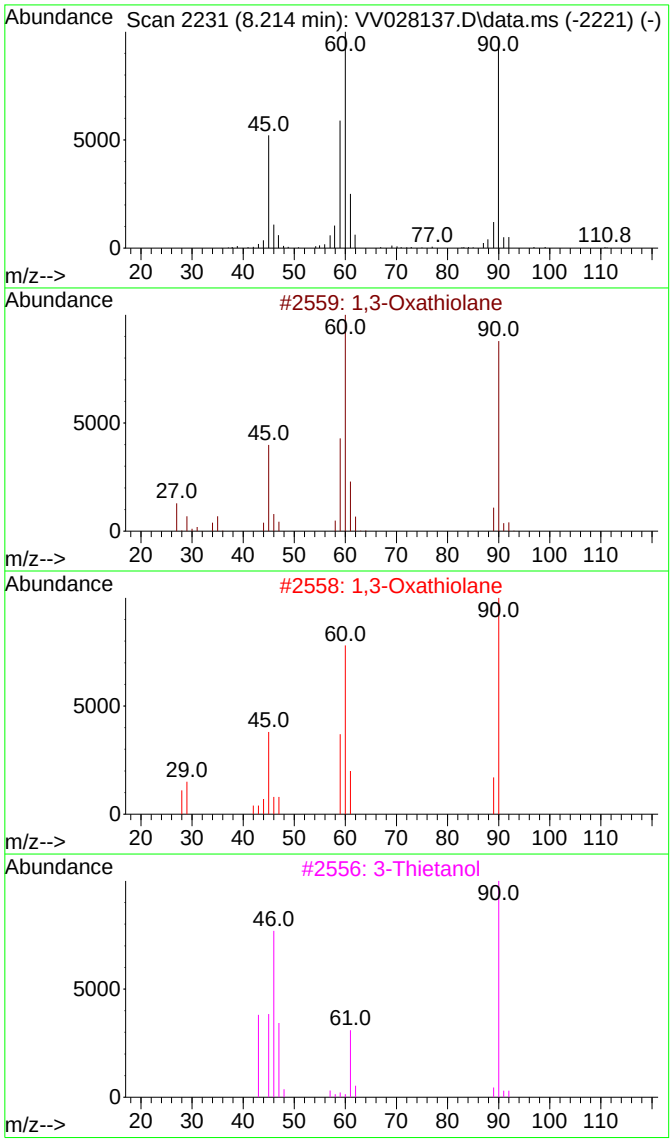
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

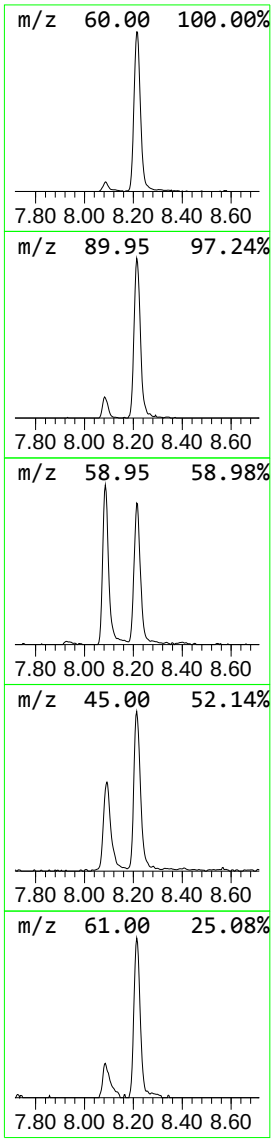
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,3-Oxathiolane Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.214	0.52 ug/L	269349	Chlorobenzene-d5	8.850

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Oxathiolane	90	C3H6OS	002094-97-5	97
2	1,3-Oxathiolane	90	C3H6OS	002094-97-5	78
3	3-Thietanol	90	C3H6OS	010304-16-2	53
4	Thiourea, methyl-	90	C2H6N2S	000598-52-7	50
5	Thiourea, methyl-	90	C2H6N2S	000598-52-7	50





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Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

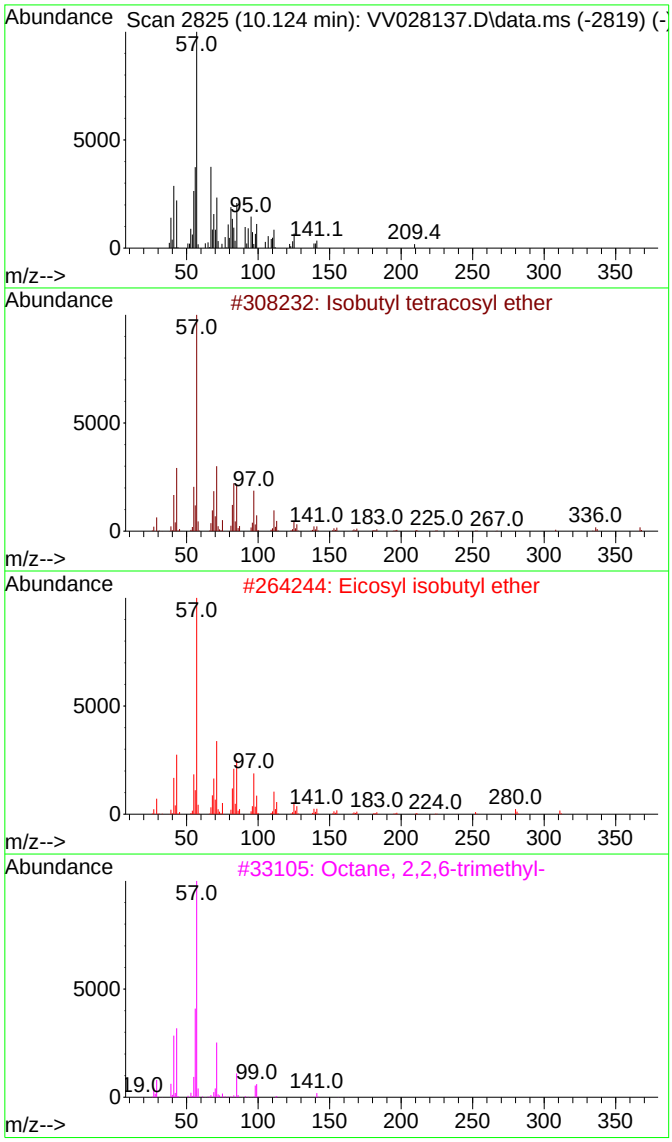
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

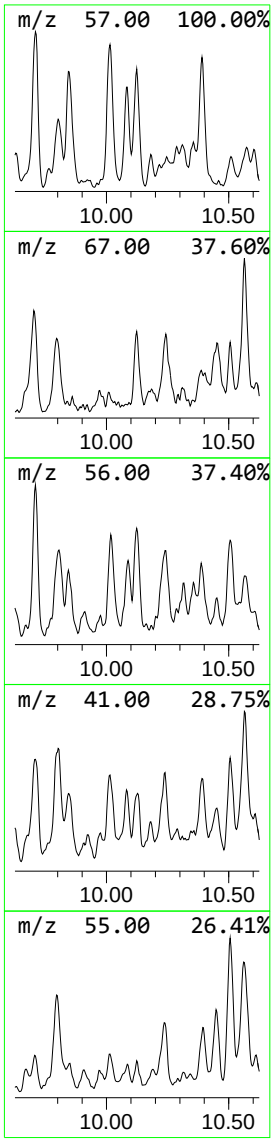
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Isobutyl tetracosyl ether Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.124	0.65 ug/L	50303	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl tetracosyl ether	410	C28H58O	1000406-33-2	50
2	Eicosyl isobutyl ether	354	C24H50O	1000406-33-0	47
3	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	47
4	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	43
5	Heptyl hexadecyl ether	340	C23H48O	1000406-39-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

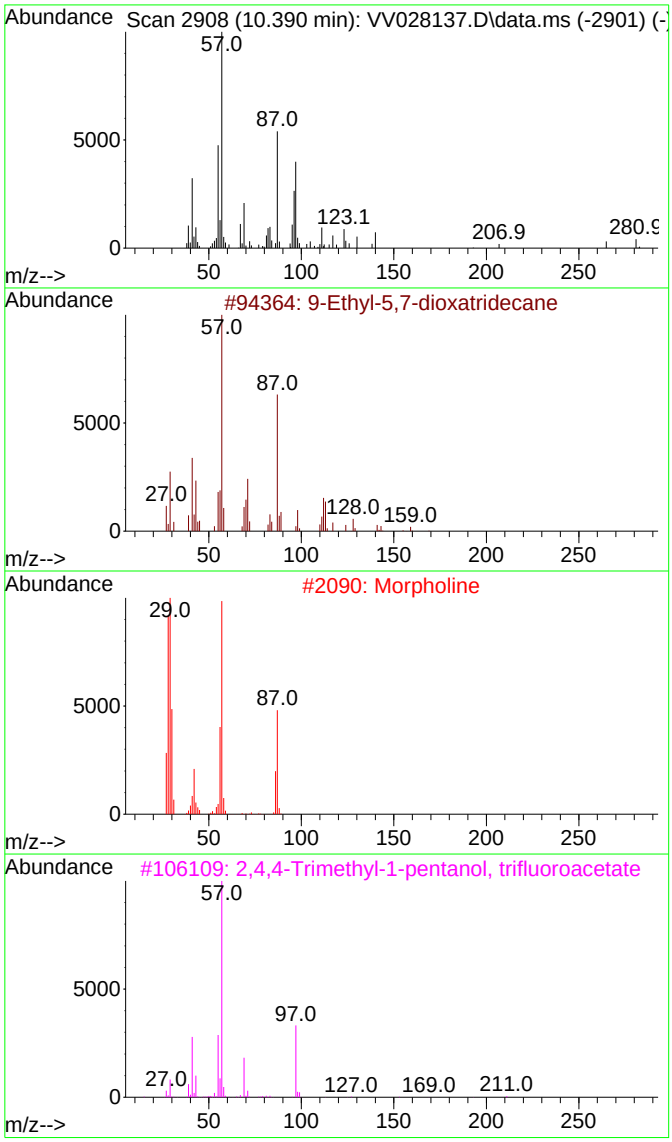
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

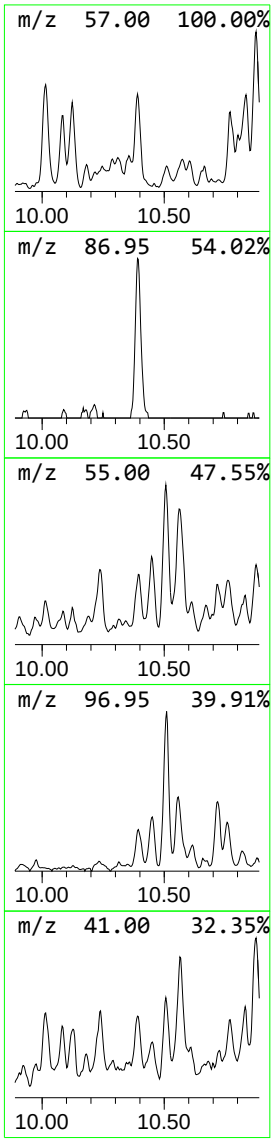
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.390	0.71 ug/L	55408	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Ethyl-5,7-dioxatridecane	216	C13H28O2	1010334-82-6	25
2	Morpholine	87	C4H9NO	000110-91-8	25
3	2,4,4-Trimethyl-1-pentanol, trif...	226	C10H17F3O2	1000365-19-5	22
4	Morpholine	87	C4H9NO	000110-91-8	22
5	2,4,4-Trimethyl-1-pentanol, hept...	326	C12H17F7O2	1010365-01-4	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

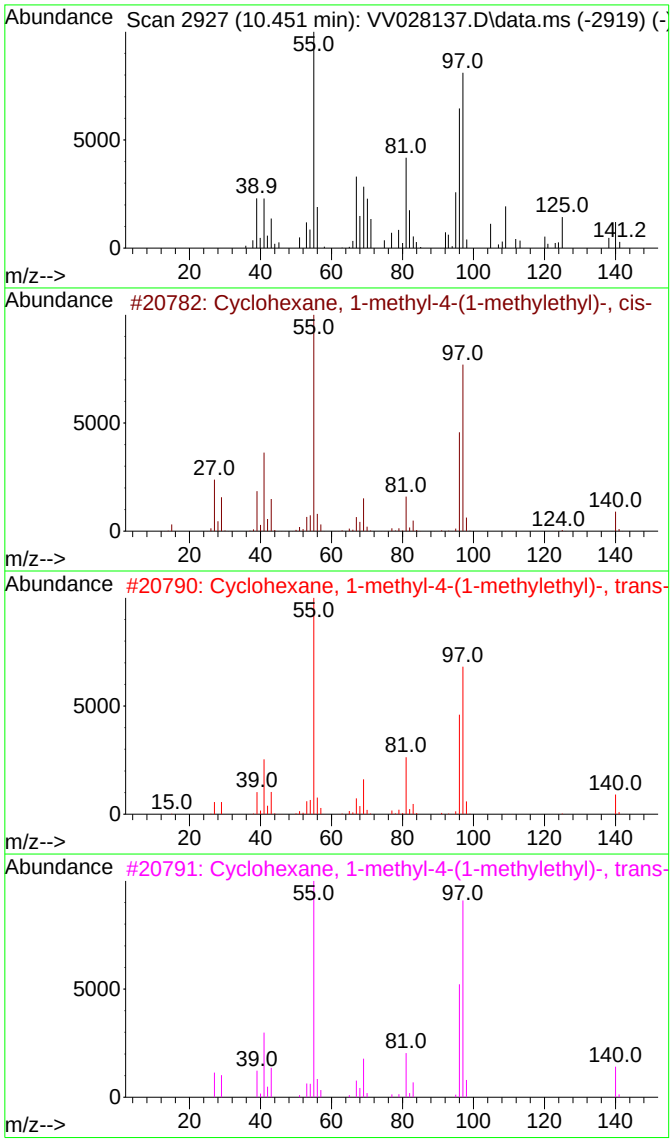
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

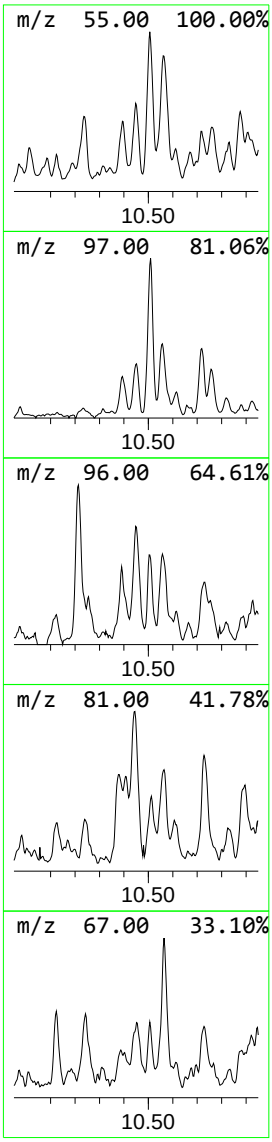
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic10.451 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	0.79 ug/L	61432	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	52
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	52
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	47
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

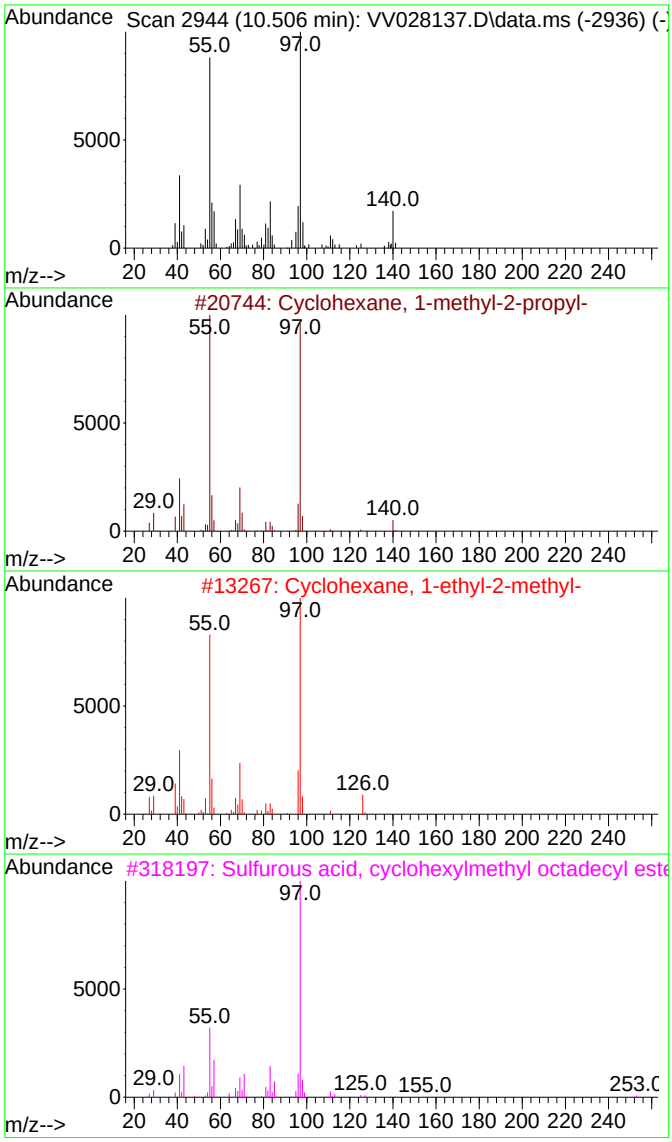
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

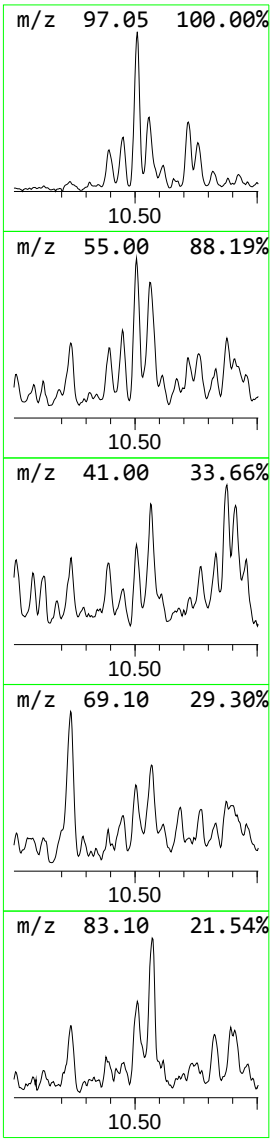
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic10.506 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	1.22 ug/L	94582	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	80
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
3	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	64
4	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	59





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Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

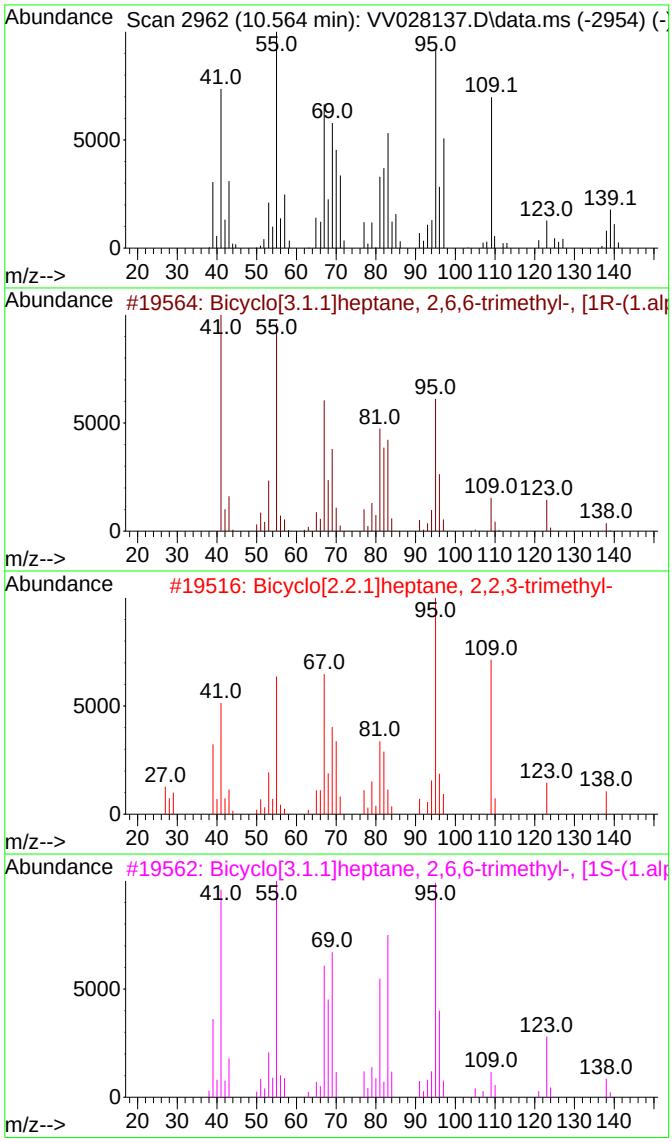
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

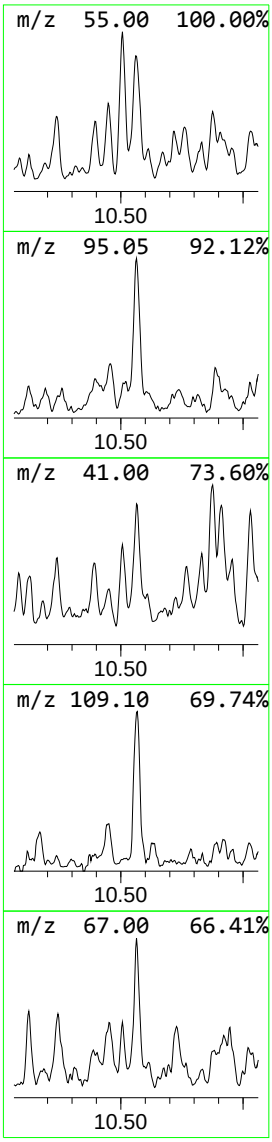
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.564	1.39 ug/L	107627	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	78
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	60
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	49
4	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	41
5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

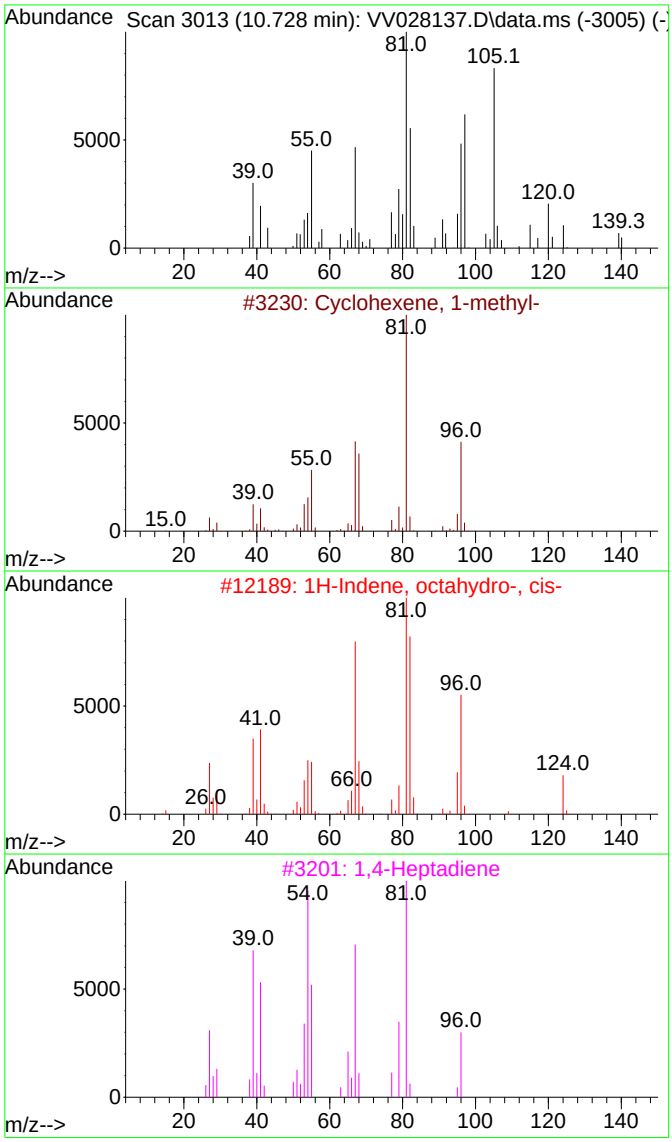
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

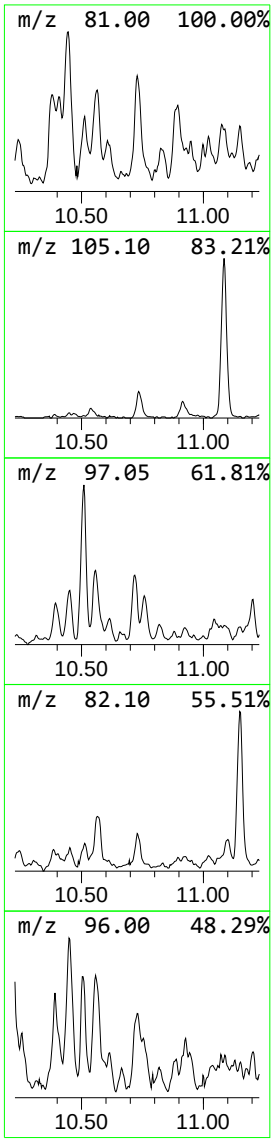
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 unknown-02 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.728	0.51 ug/L	39798	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	45
3	1,4-Heptadiene	96	C7H12	005675-22-9	43
4	3-Octyne, 2,2-dimethyl-	138	C10H18	019482-57-6	43
5	1H-Indene, octahydro-	124	C9H16	000496-10-6	43





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Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

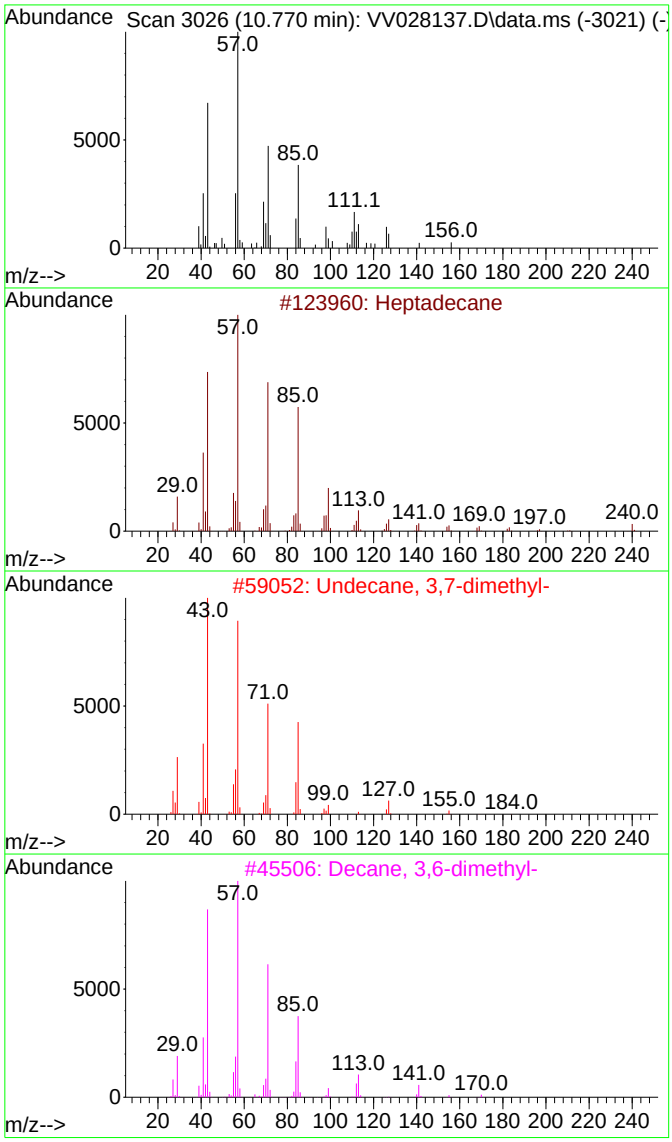
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

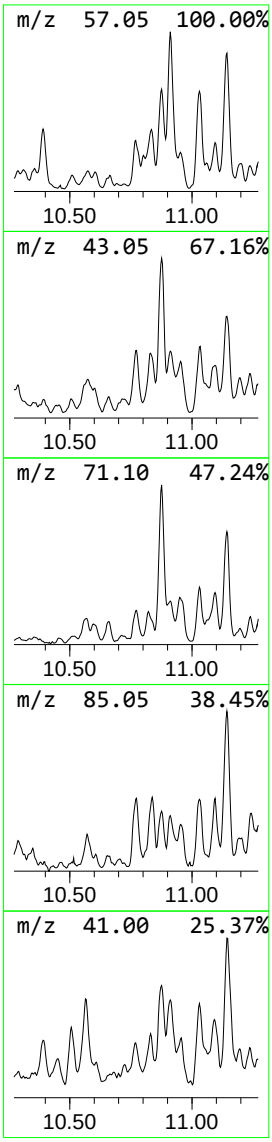
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.770	0.53 ug/L	40945	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	64
2	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	59
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	59
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	50
5	Nonyl tetradecyl ether	340	C23H48O	1000406-37-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

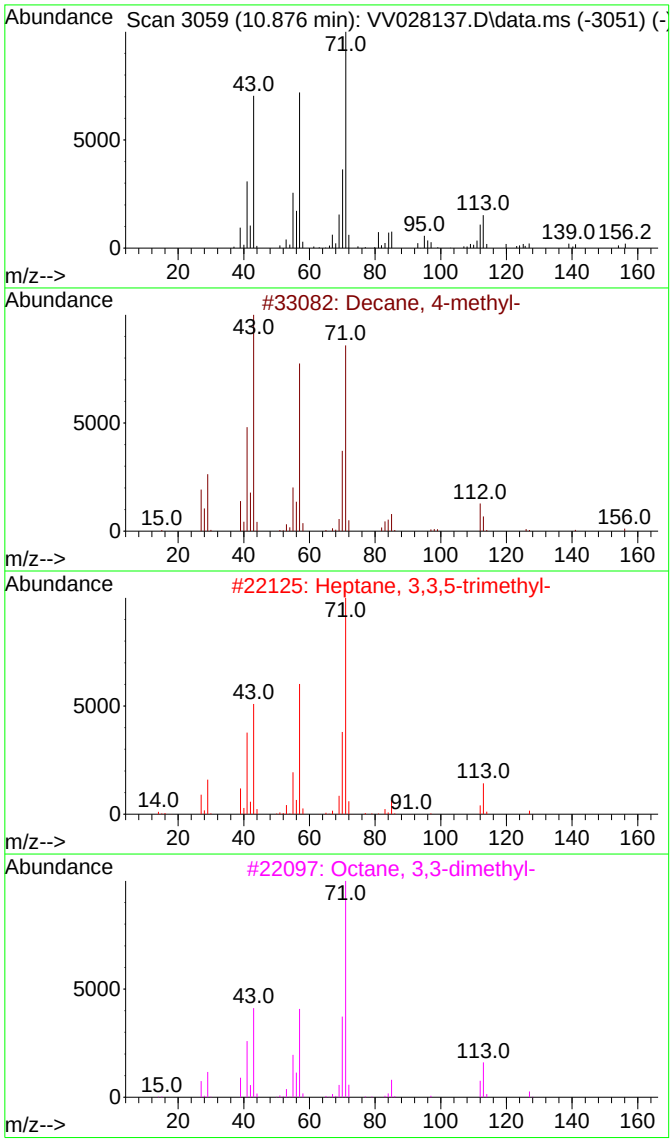
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

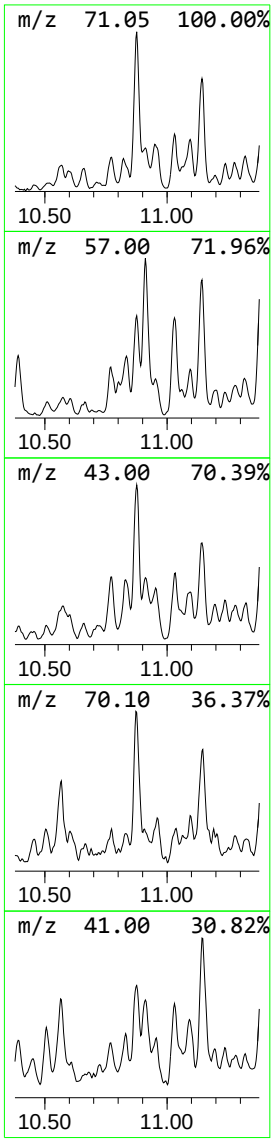
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.876	1.49 ug/L	115302	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	83
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	80
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4	Decane, 4-methyl-	156	C11H24	002847-72-5	68
5	Hexane, 3,3,4,4-tetramethyl-	142	C10H22	005171-84-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

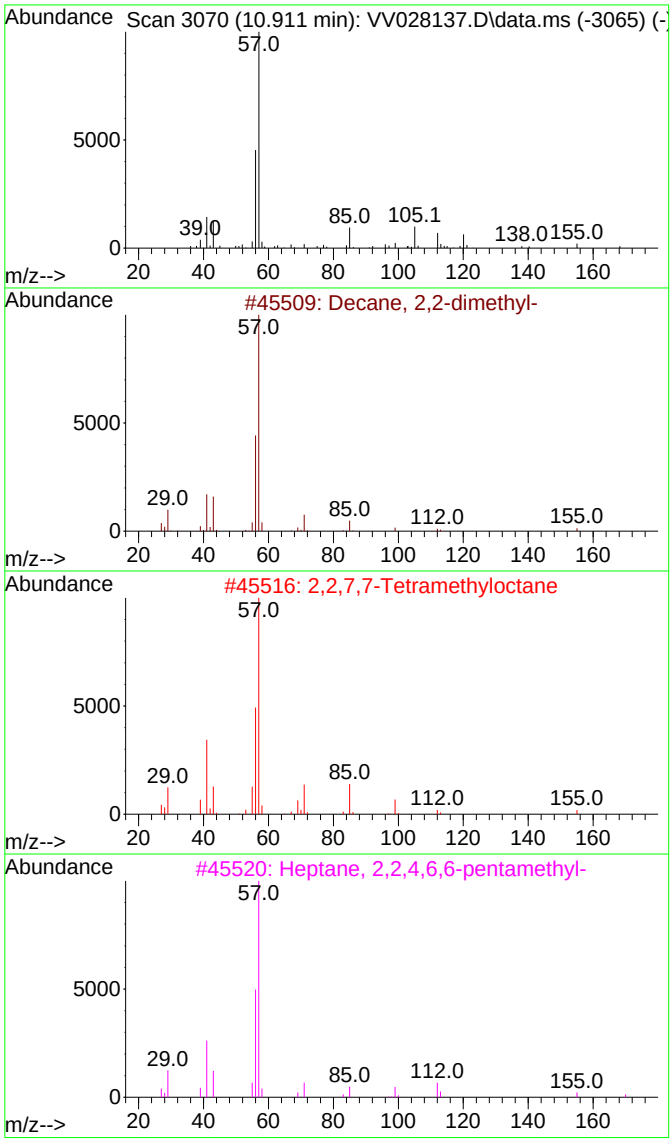
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

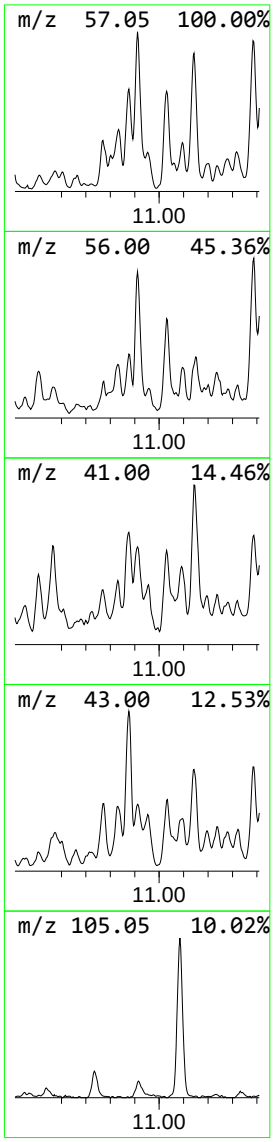
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.911	0.85 ug/L	65998	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	45
2	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	38
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	36
4	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	36
5	Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

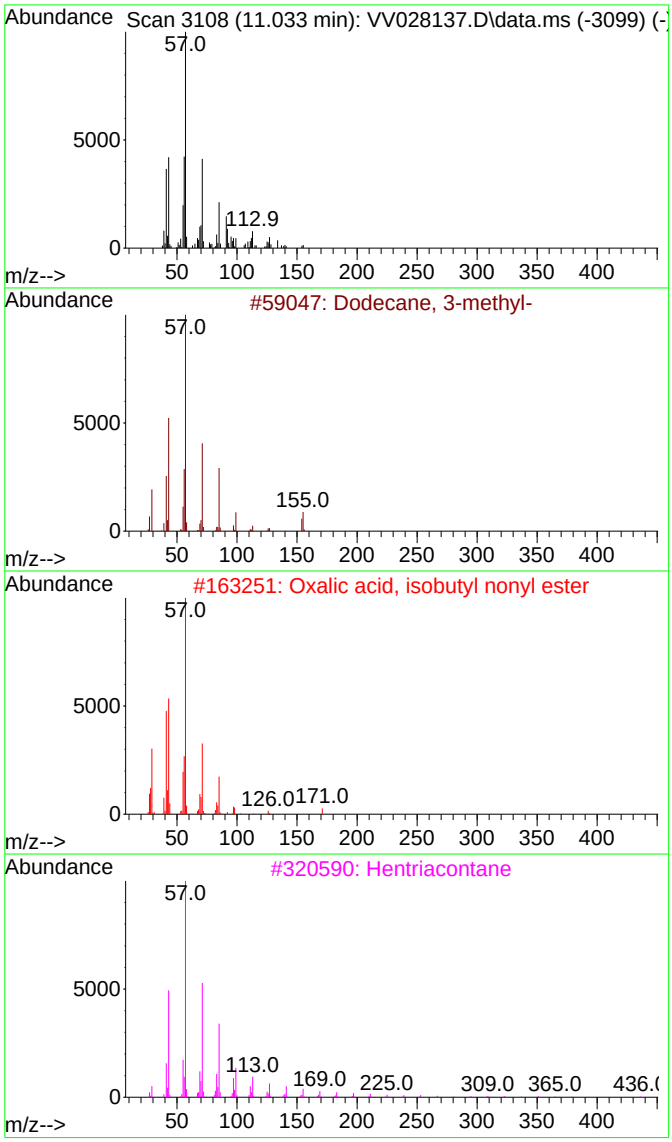
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

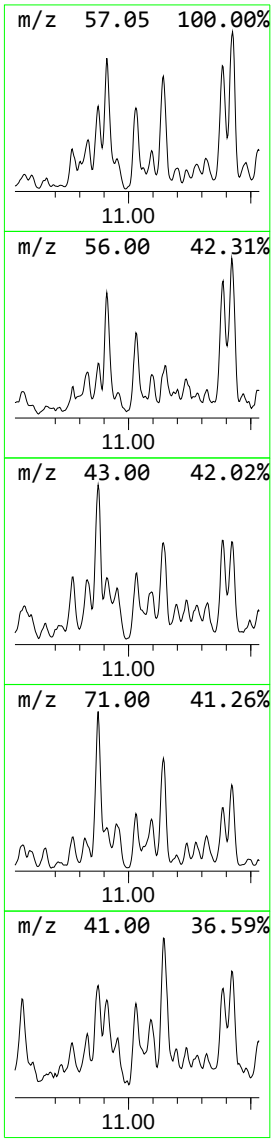
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.034	1.48 ug/L	114601	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
2	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	53
3	Hentriacontane	437	C31H64	000630-04-6	50
4	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	50
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

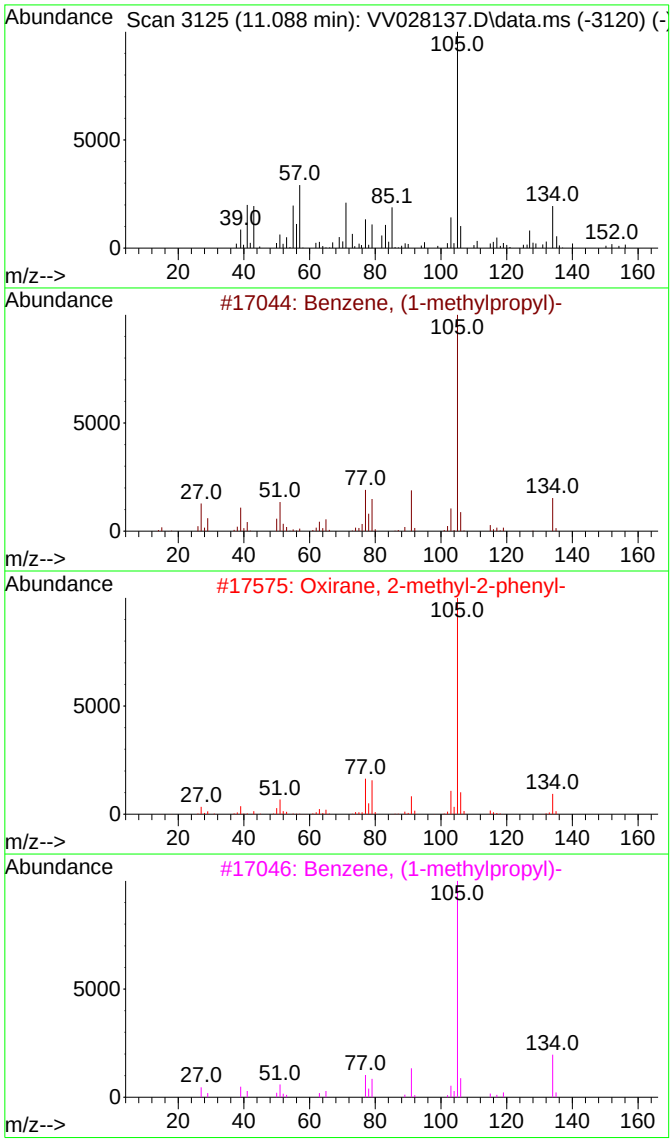
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

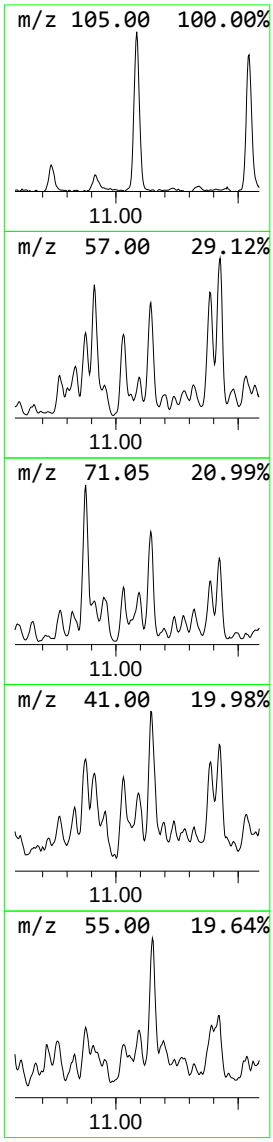
****

Peak Number 21 unknown-03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.088	1.45 ug/L	112233	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	47
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	46
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	46
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

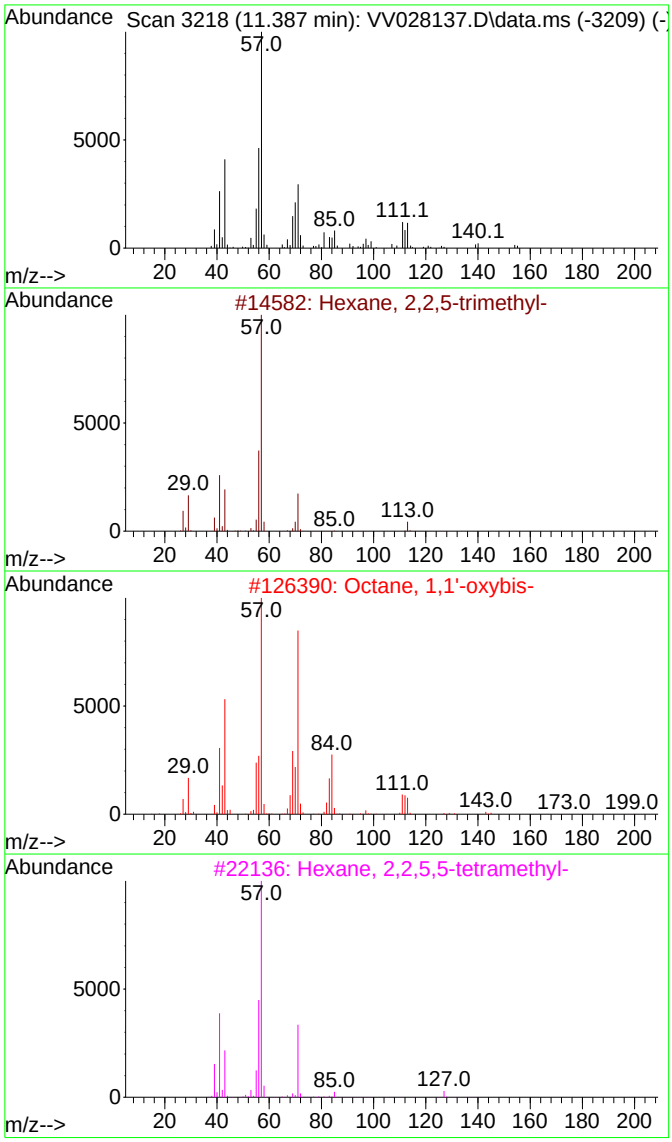
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

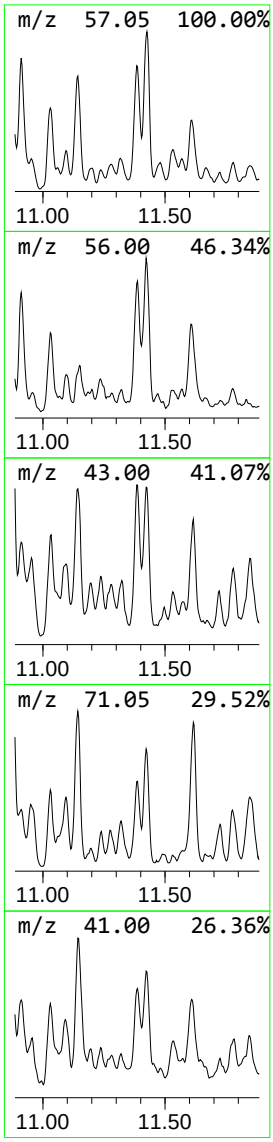
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.387	1.68 ug/L	130216	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
2	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	50
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47
4	Heptane, 5-ethyl-2,2,3-trimethyl-	170	C12H26	062199-06-8	45
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

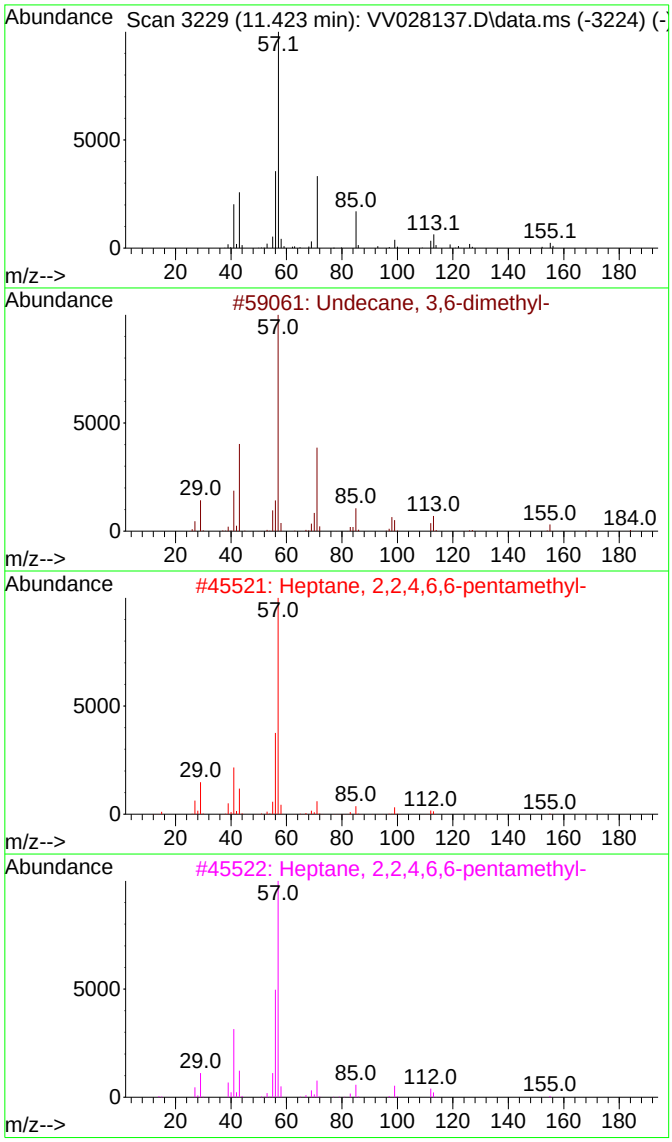
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

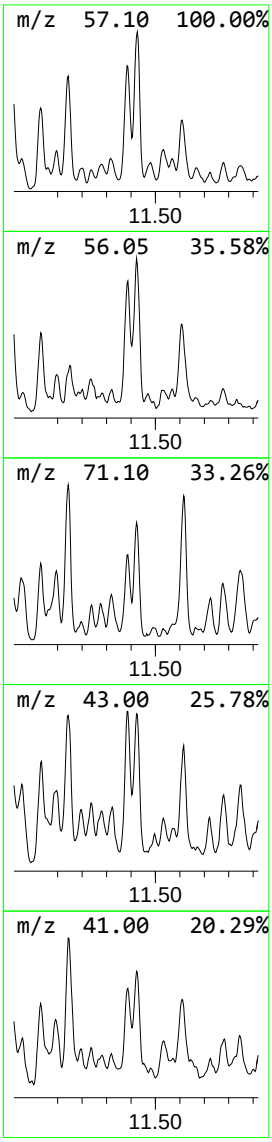
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.422	2.11 ug/L	163913	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

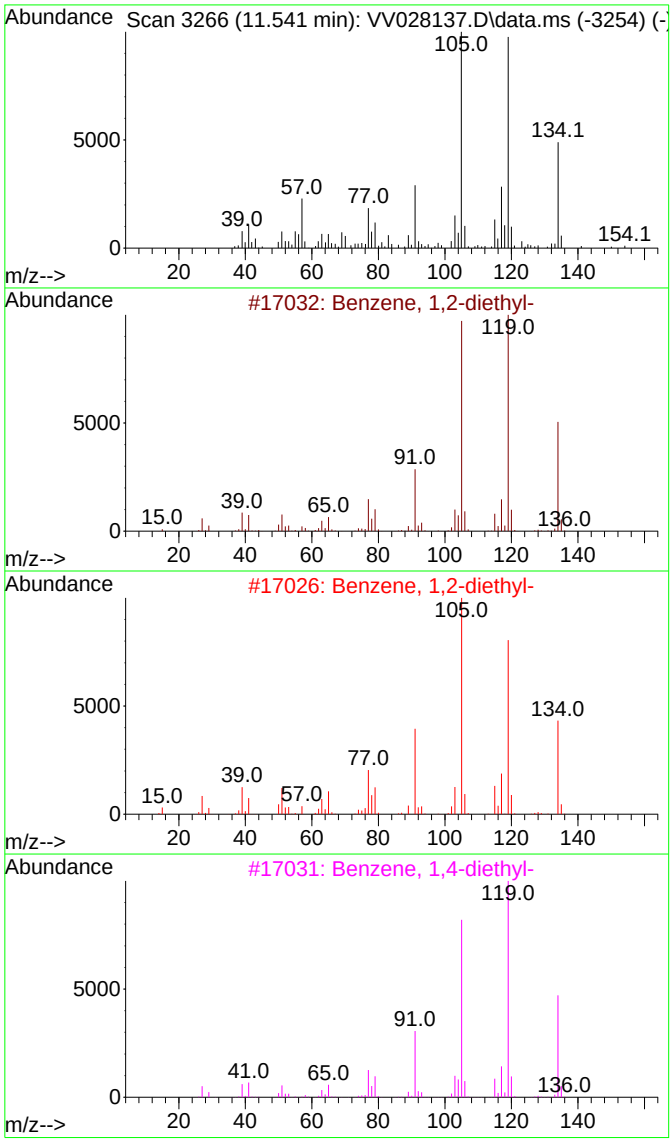
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

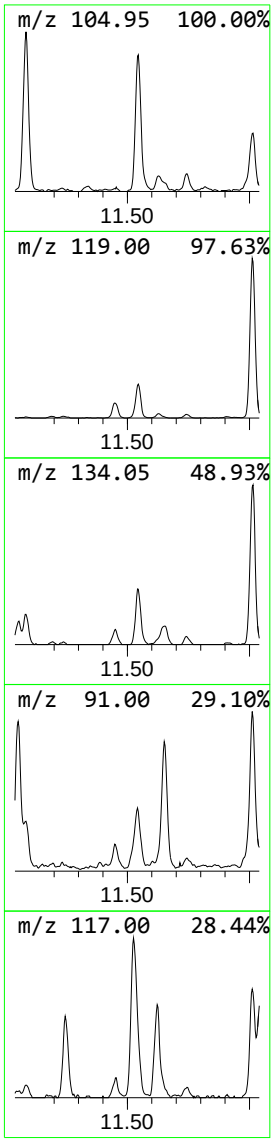
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1,2-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.541	2.87 ug/L	222700	1,4-Dichlorobenzene-d4	11.246

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

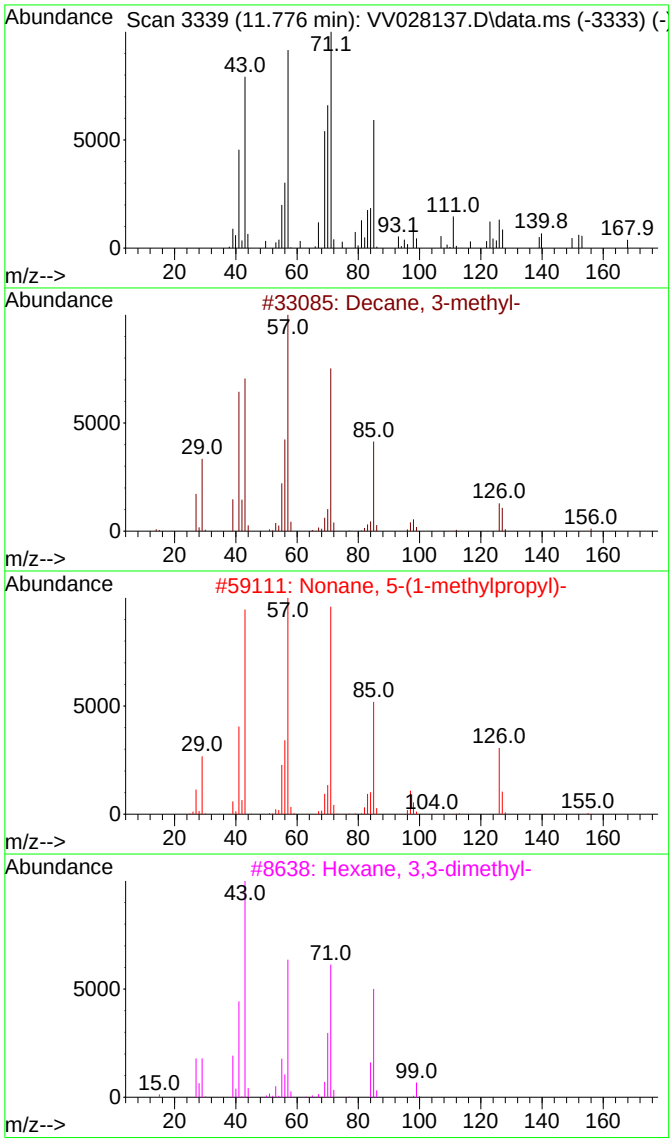
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

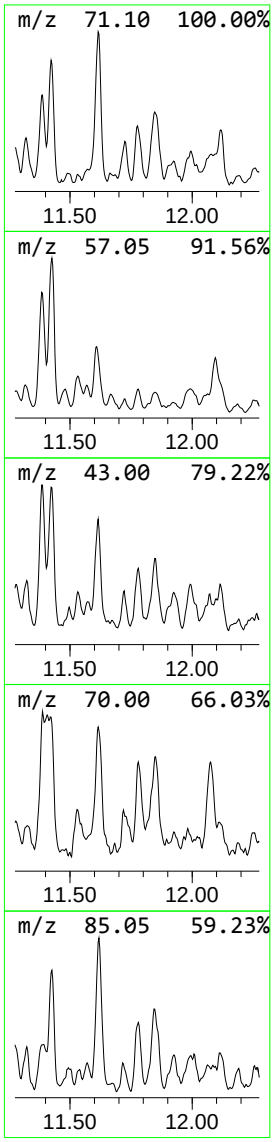
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.776	0.53 ug/L	41347	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	59
2	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	59
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
5	Carbonic acid, decyl undecyl ester	356	C22H44O3	1000383-16-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

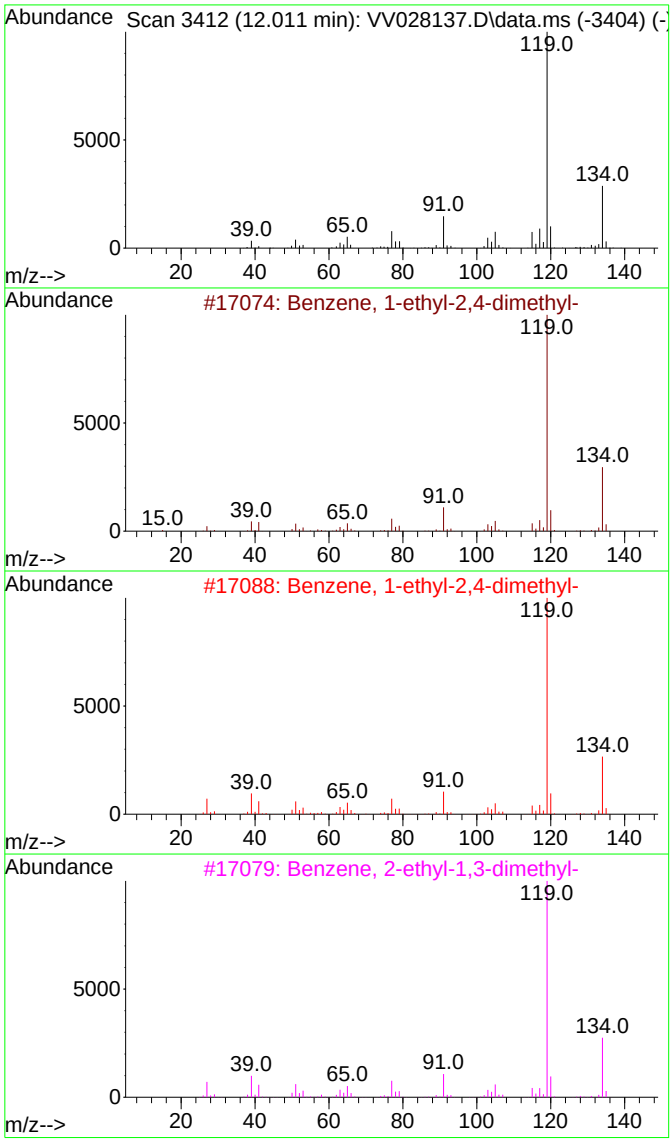
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

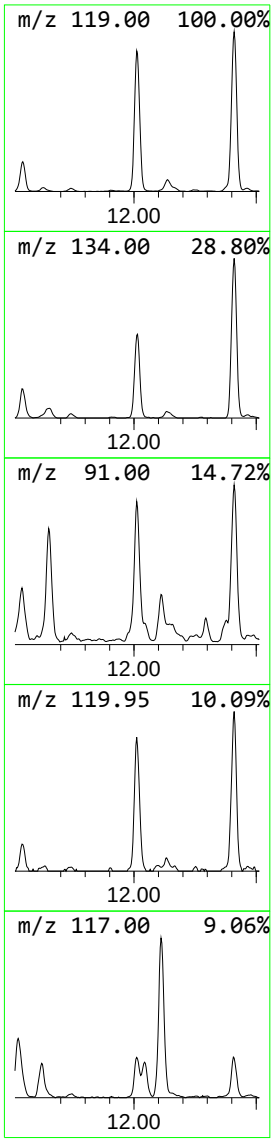
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.011	3.93 ug/L	305100	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

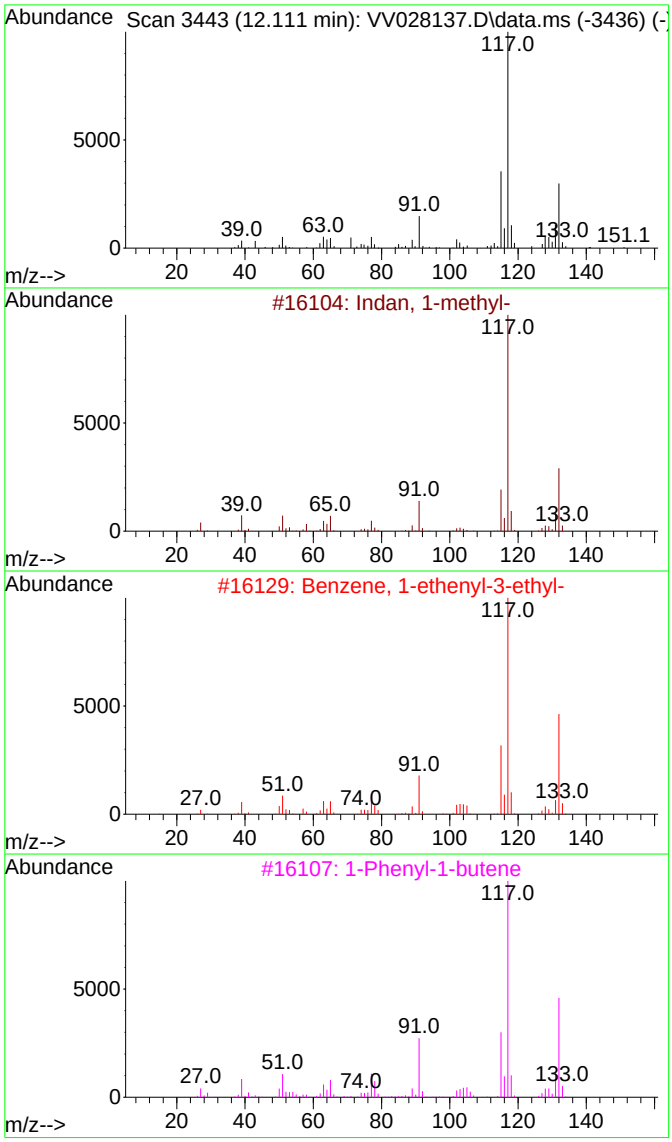
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

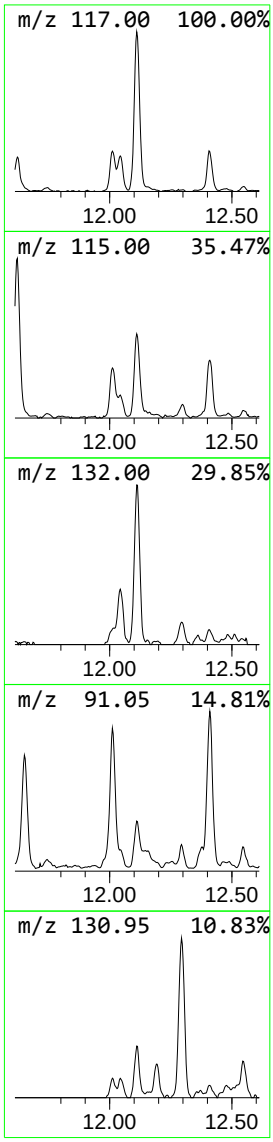
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Indan, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.111	1.62 ug/L	125726	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	91
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

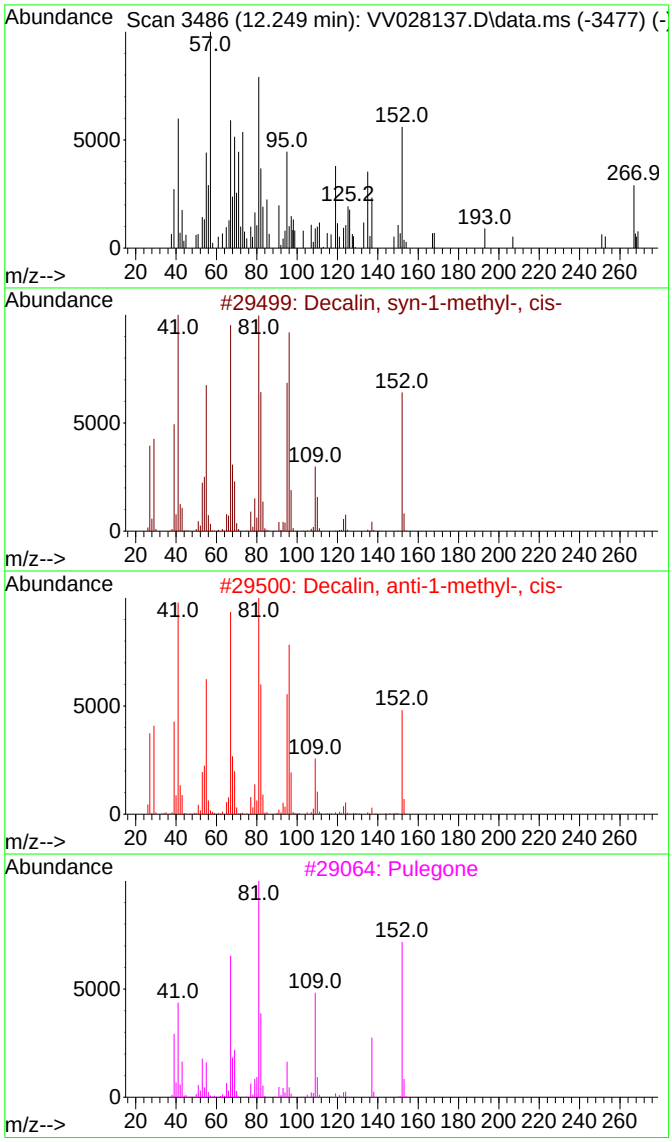
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

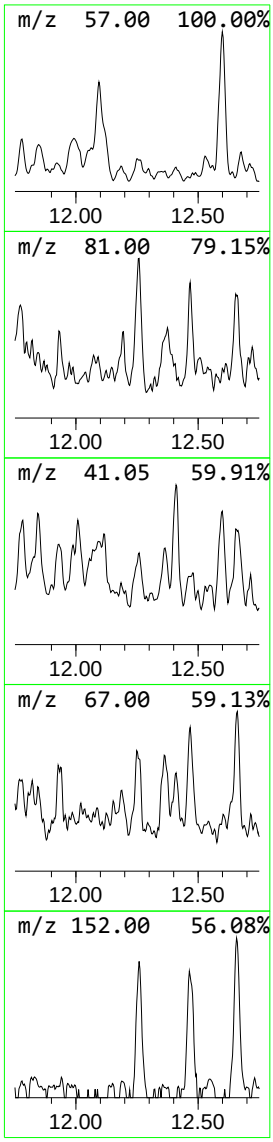
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Decalin, syn-1-methyl-, cis- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	0.74 ug/L	57258	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	70
2	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	55
3	Pulegone	152	C10H16O	000089-82-7	50
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	50
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

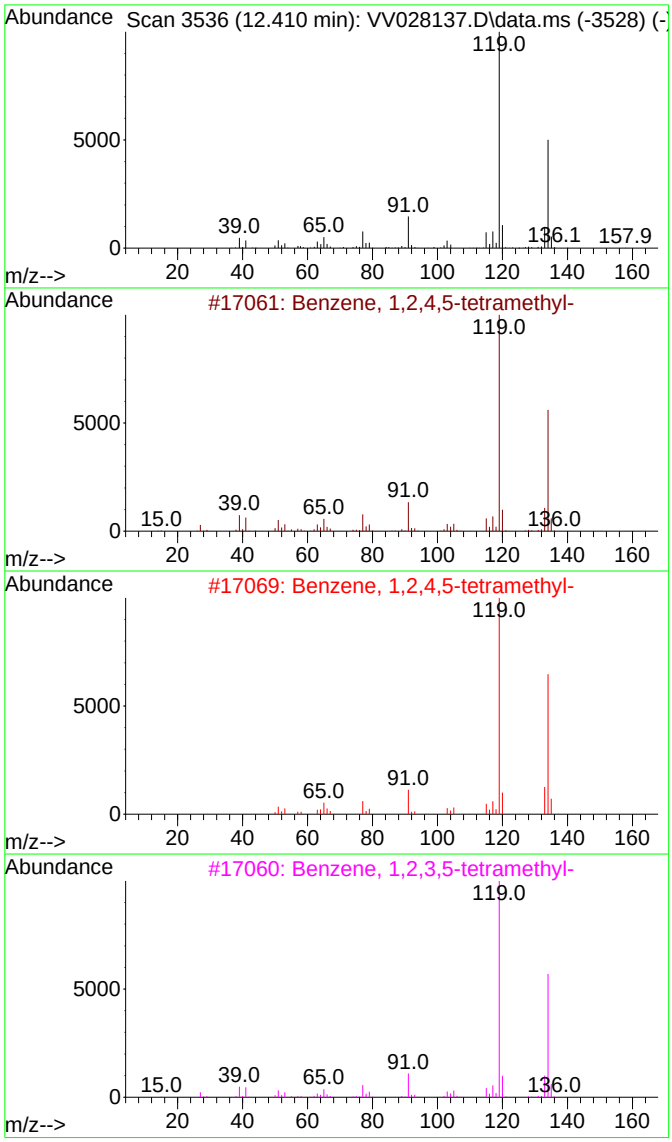
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

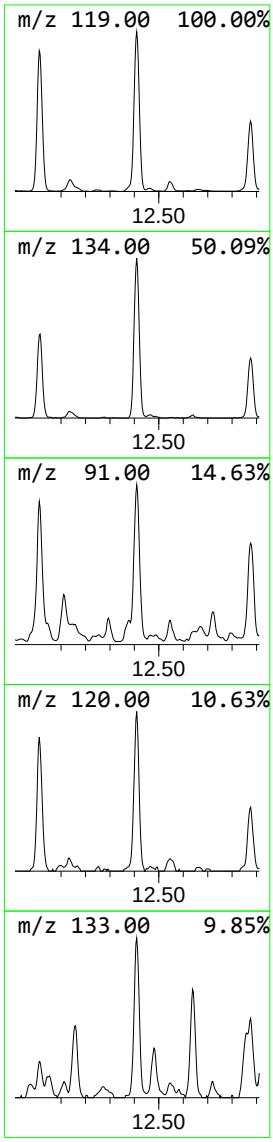
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	4.91 ug/L	381351	1,4-Dichlorobenzene-d4	11.246

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

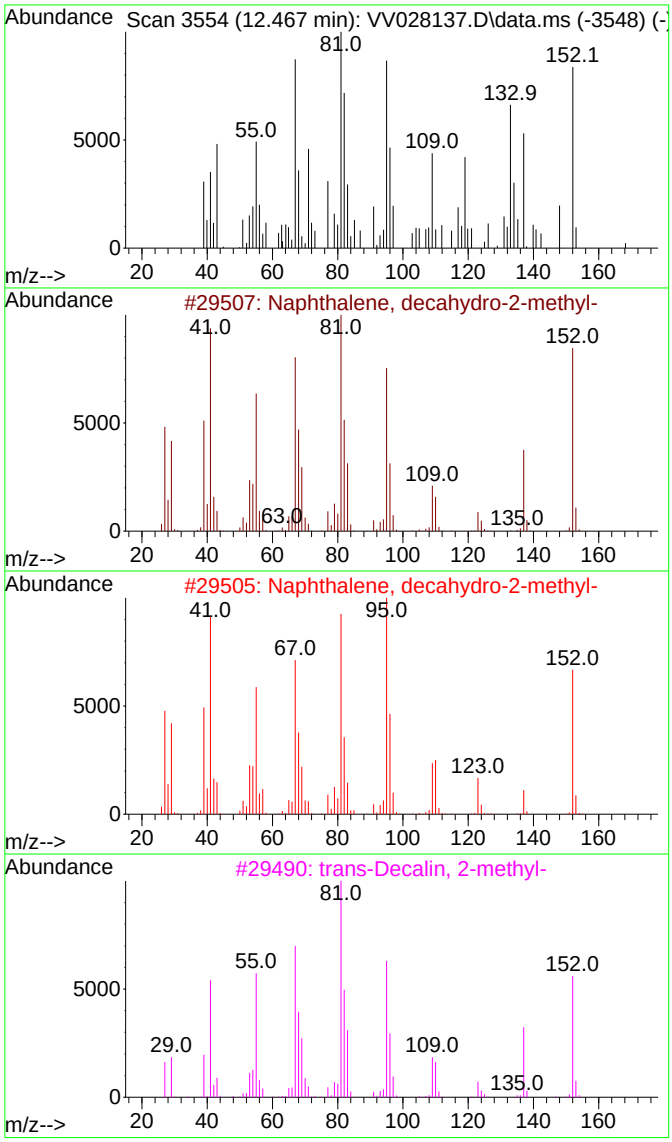
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

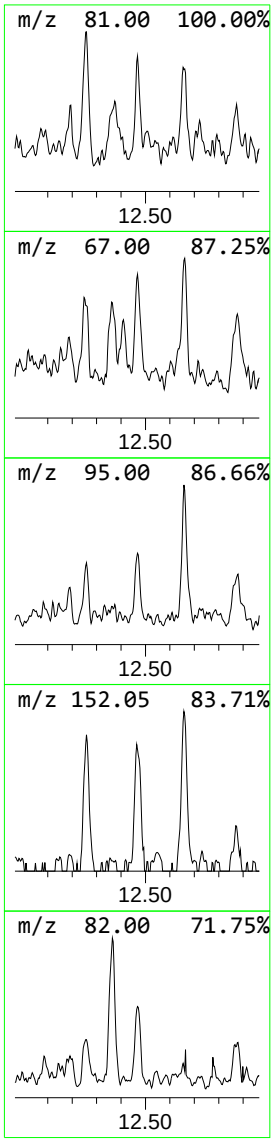
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Naphthalene, decahydro-2-me... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.467	0.55 ug/L	42640	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68
4	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	68
5	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

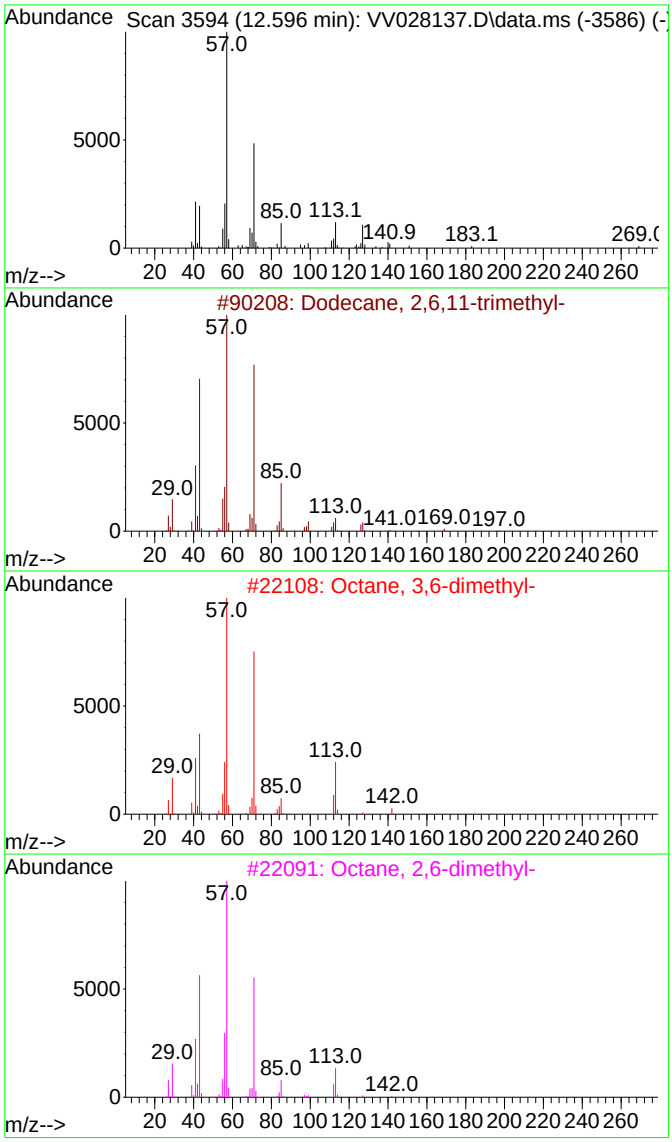
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

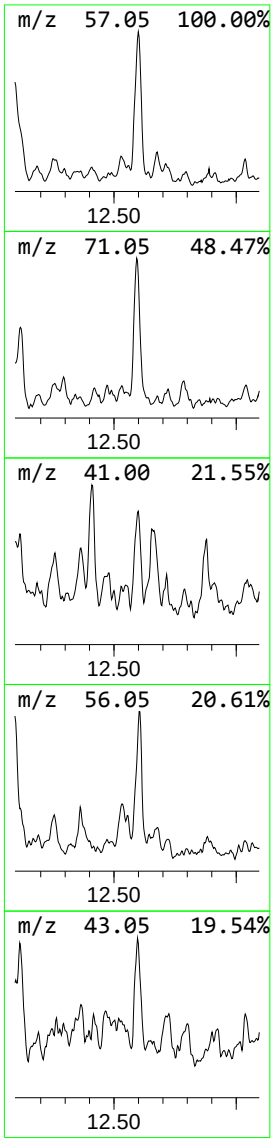
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.596	0.82 ug/L	63514	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	59
5	Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

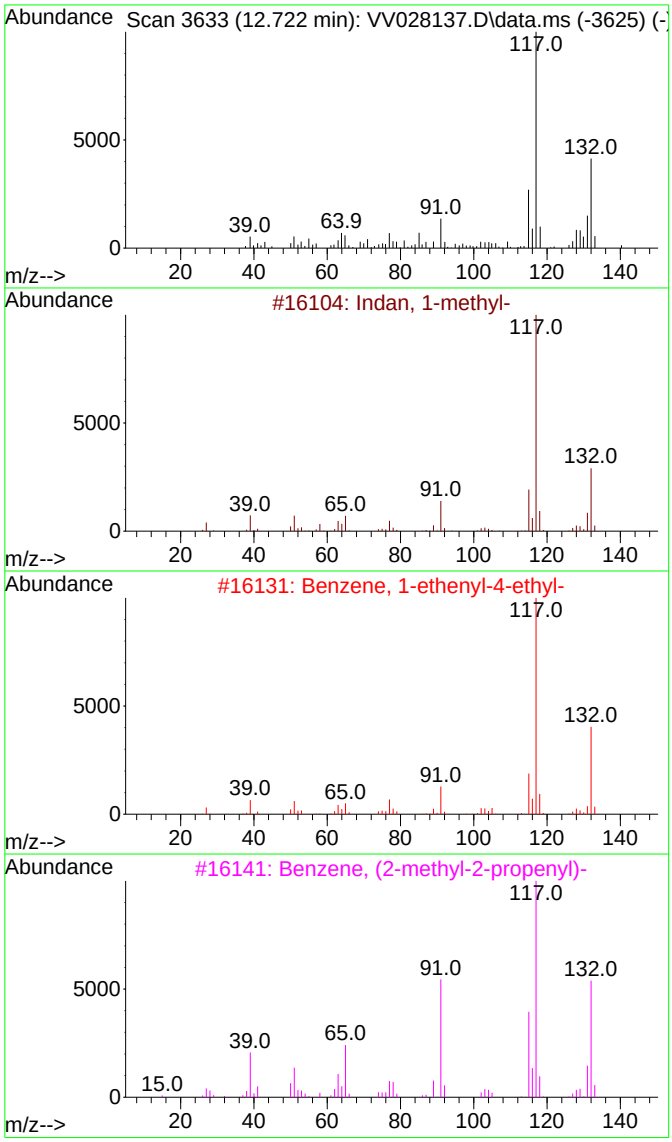
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

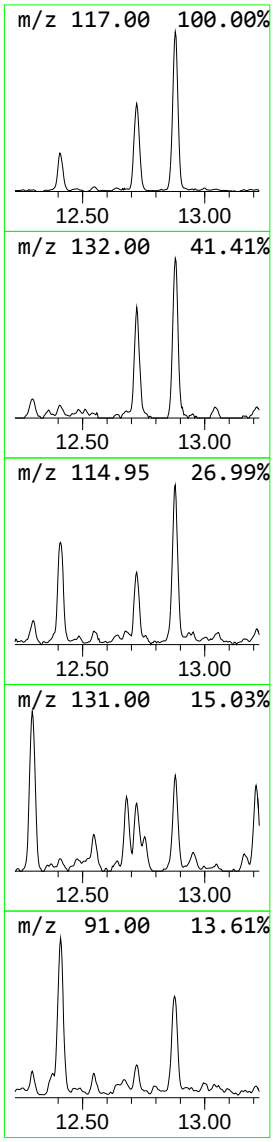
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.722	1.46 ug/L	113530	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

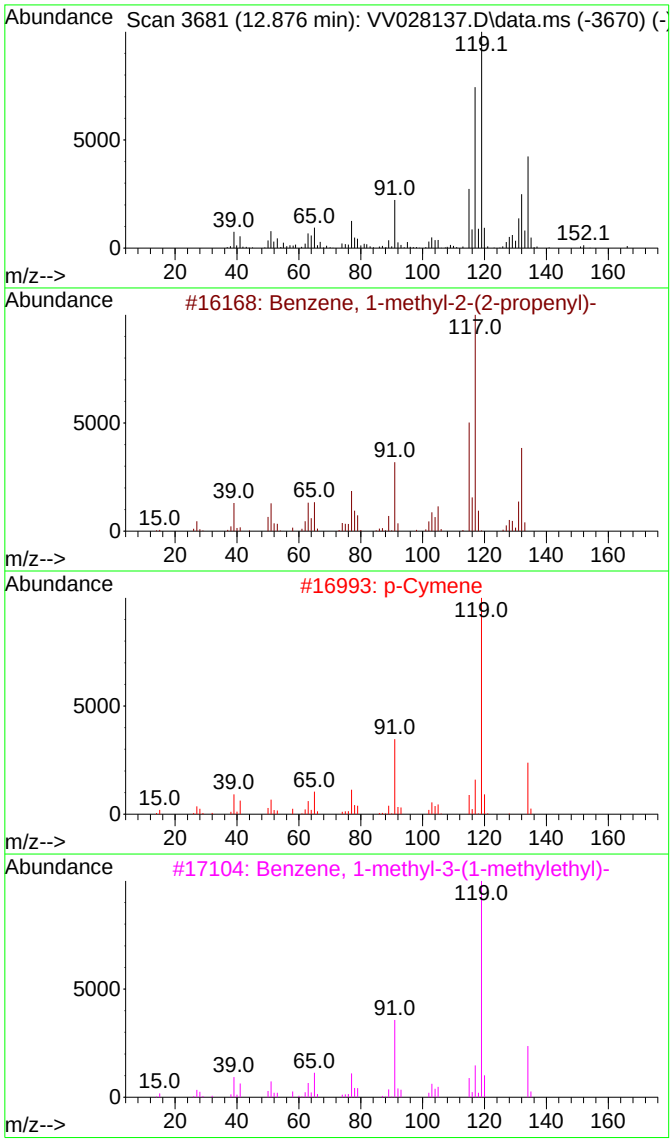
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

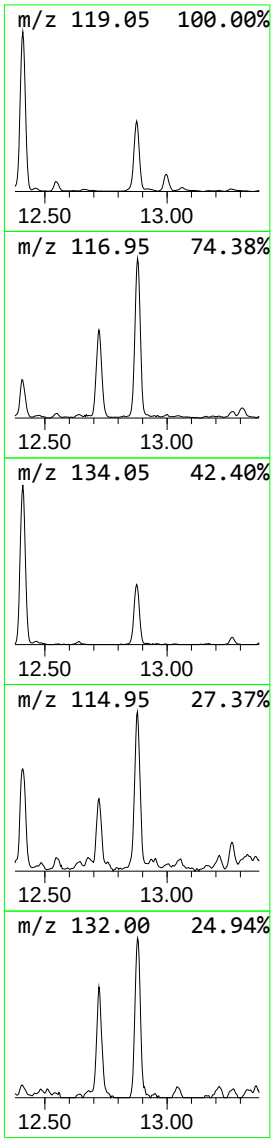
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.876	4.35 ug/L	337522	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
2	p-Cymene	134	C10H14	000099-87-6	55
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55
4	o-Cymene	134	C10H14	000527-84-4	50
5	o-Cymene	134	C10H14	000527-84-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

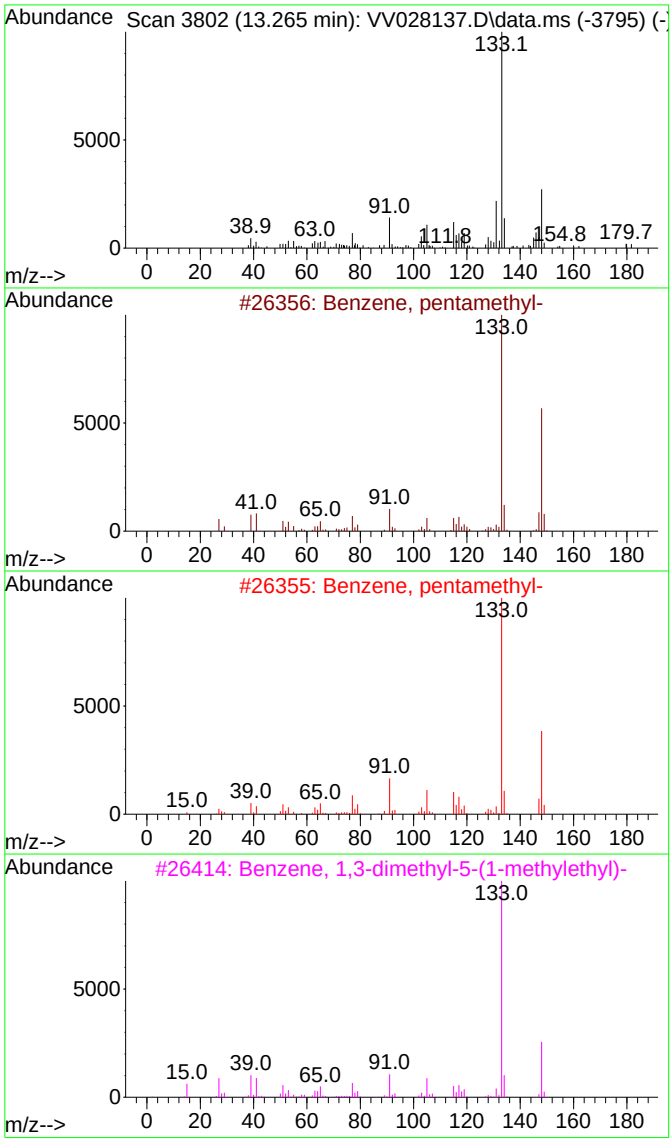
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

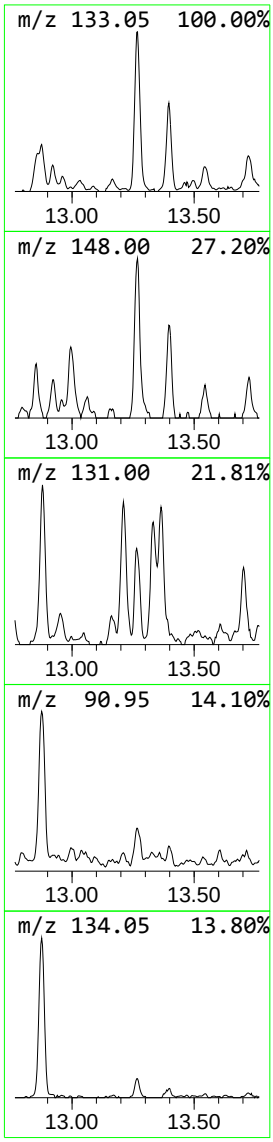
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, pentamethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.265	1.03 ug/L	79633	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	81
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	70
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	64
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

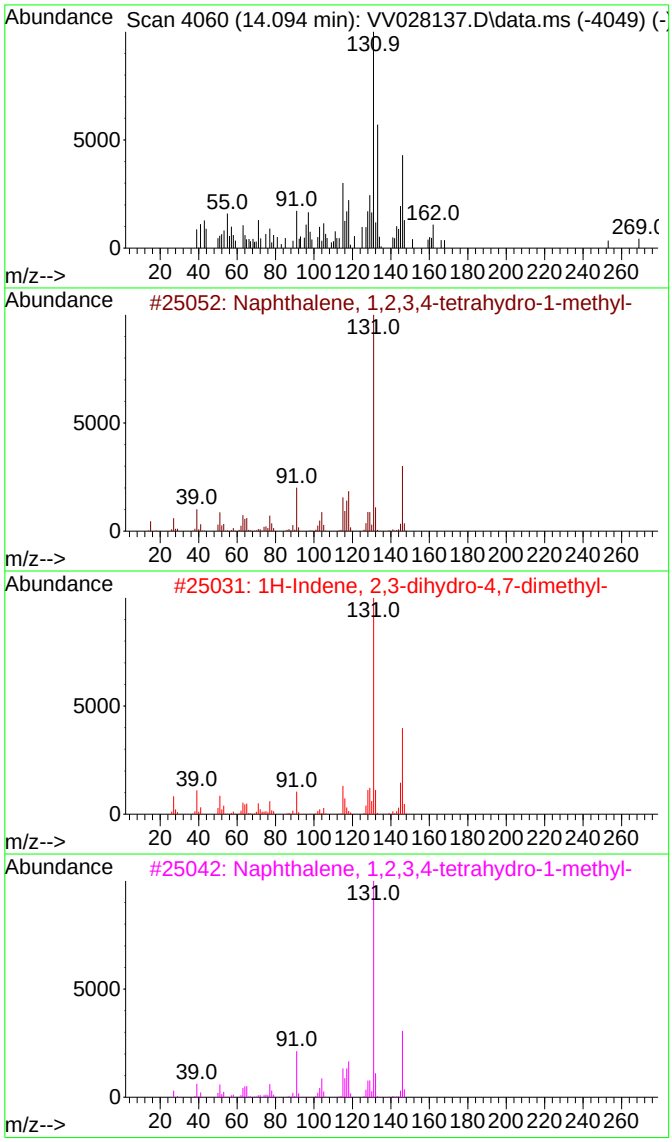
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

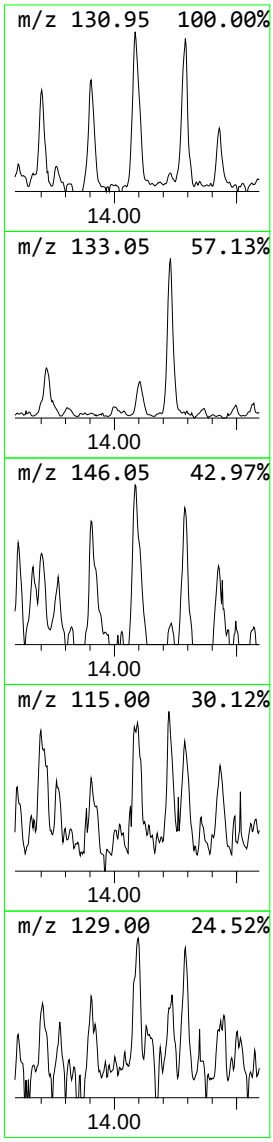
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.094	0.73 ug/L	57004	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	60
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	52
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	49
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

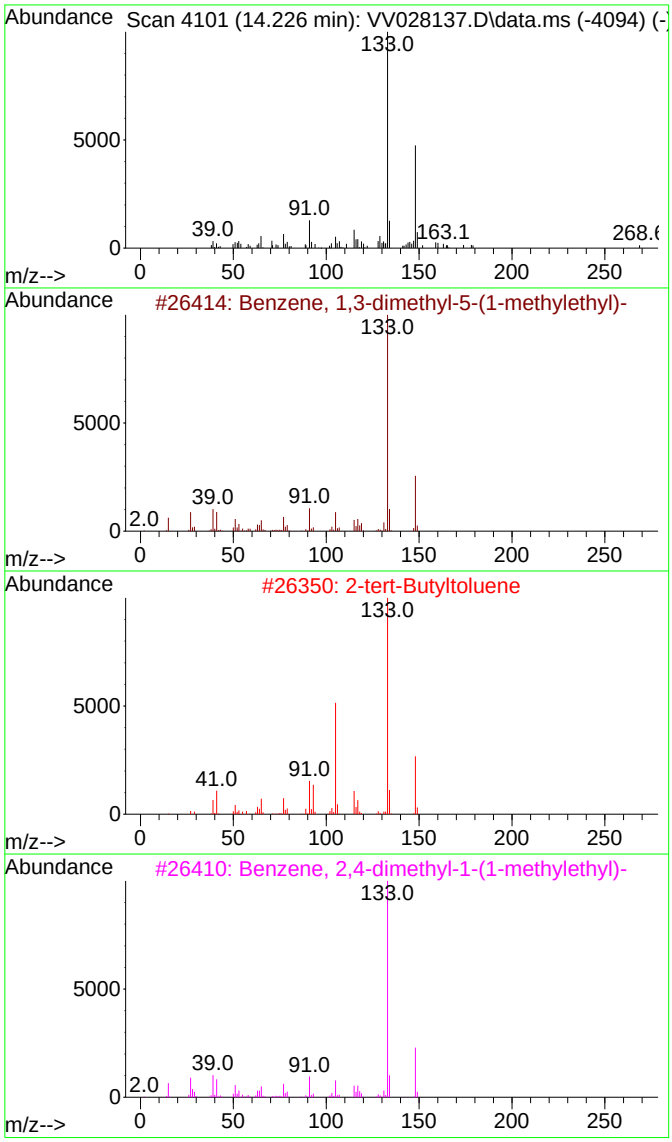
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

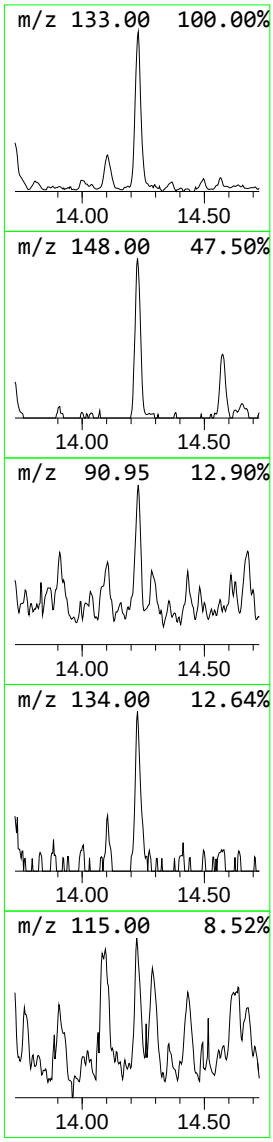
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.226	0.59 ug/L	45684	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
2	2-tert-Butyltoluene	148	C11H16	001074-92-6	90
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	86
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

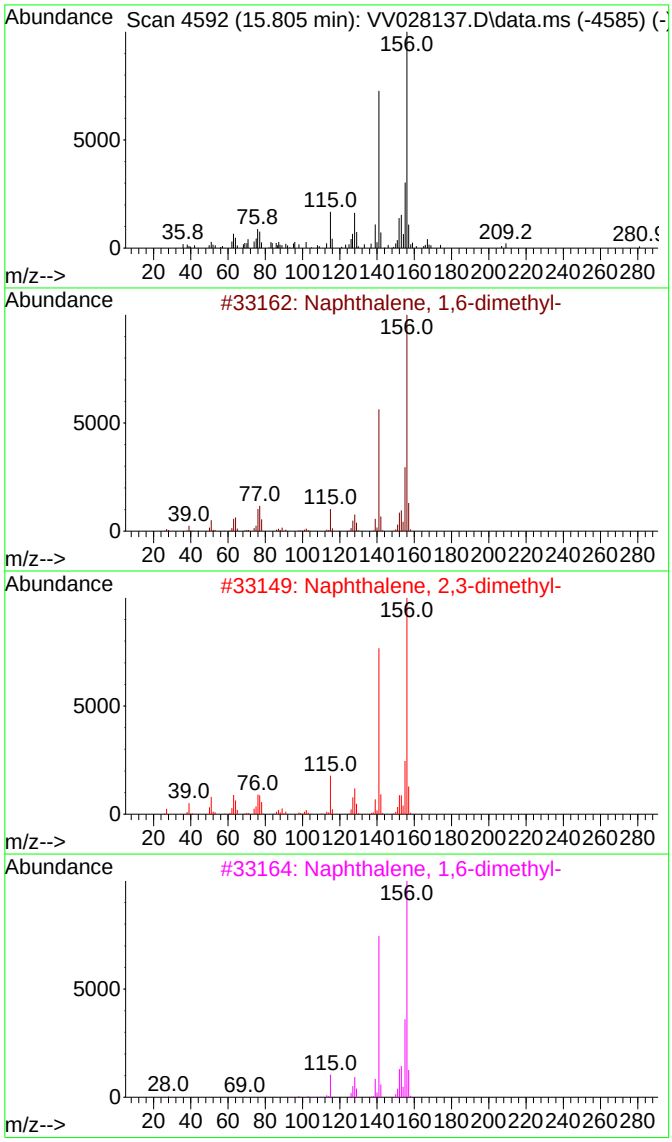
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

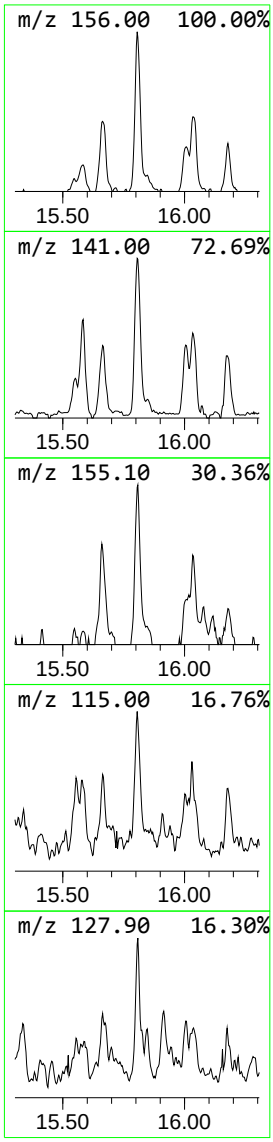
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Naphthalene, 1,6-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.805	0.70 ug/L	54214	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

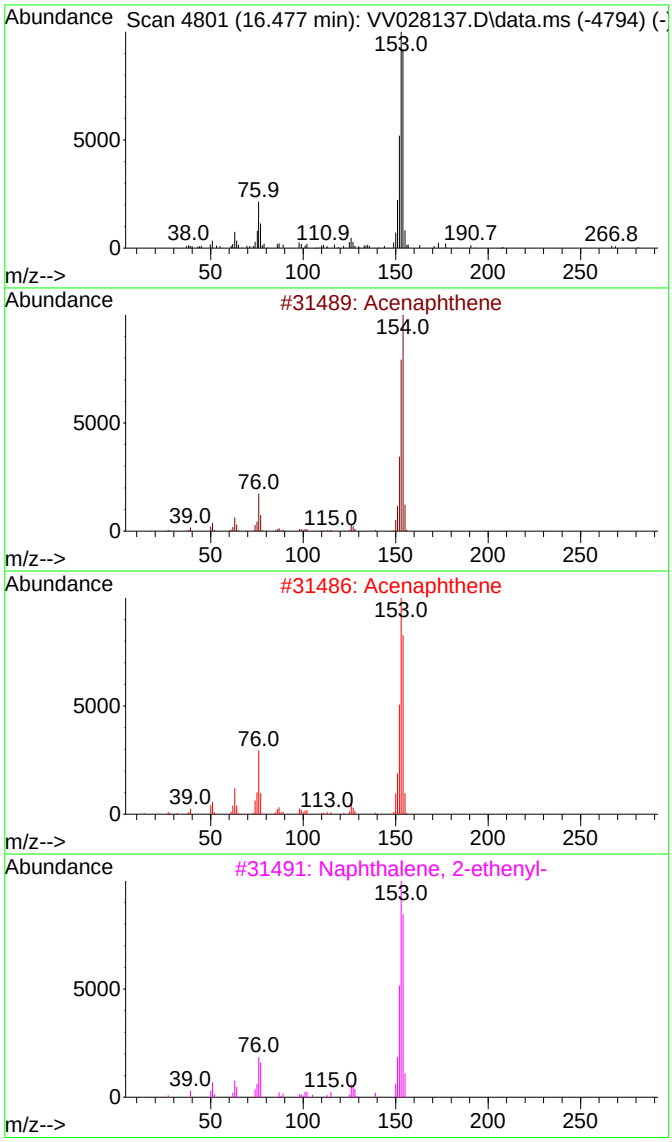
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0

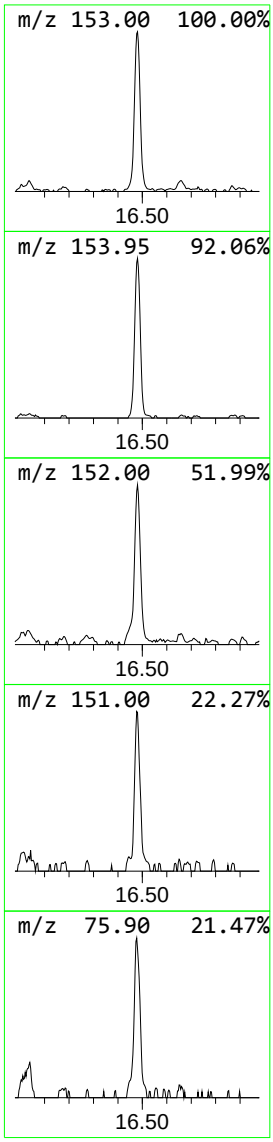
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Acenaphthene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.477	0.92 ug/L	71601	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	89
2	Acenaphthene	154	C12H10	000083-32-9	62
3	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	58
4	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	50
5	2,4,6-Trihydroxybenzaldehyde	154	C7H6O4	000487-70-7	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028137.D
Acq On : 27 Sep 2022 14:15
Operator : SY/MD
Sample : N4820-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.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
Acetaldehyde	1.375	0.7	ug/L	27220	1	5.616	188927	5.0
Ethyl ether	1.947	0.8	ug/L	31404	1	5.616	188927	5.0
HEX-5-EN-3-OL	2.638	0.9	ug/L	35646	1	5.616	188927	5.0
Propanal, 2-met...	2.950	1.2	ug/L	44249	1	5.616	188927	5.0
Butanal, 3-methyl-	5.320	1.7	ug/L	62865	1	5.616	188927	5.0
Butanal, 2-methyl-	5.503	0.8	ug/L	29584	1	5.616	188927	5.0
1,4-Dioxane	6.387	0.7	ug/L	26532	1	5.616	188927	5.0
1,3-Oxathiolane	8.214	0.5	ug/L	269349	2	8.850	2591730	5.0
Isobutyl tetrac...	10.124	0.7	ug/L	50303	3	11.246	388055	5.0
unknown-01	10.390	0.7	ug/L	55408	3	11.246	388055	5.0
(DEL) Alkane: C...	10.451	0.8	ug/L	61432	3	11.246	388055	5.0
(DEL) Alkane: C...	10.506	1.2	ug/L	94582	3	11.246	388055	5.0
Bicyclo[3.1.1]h...	10.564	1.4	ug/L	107627	3	11.246	388055	5.0
unknown-02	10.728	0.5	ug/L	39798	3	11.246	388055	5.0
(DEL) Alkane: S...	10.770	0.5	ug/L	40945	3	11.246	388055	5.0
(DEL) Alkane: S...	10.876	1.5	ug/L	115302	3	11.246	388055	5.0
(DEL) Alkane: S...	10.911	0.8	ug/L	65998	3	11.246	388055	5.0
(DEL) Alkane: S...	11.034	1.5	ug/L	114601	3	11.246	388055	5.0
unknown-03	11.088	1.5	ug/L	112233	3	11.246	388055	5.0
(DEL) Alkane: S...	11.387	1.7	ug/L	130216	3	11.246	388055	5.0
(DEL) Alkane: S...	11.422	2.1	ug/L	163913	3	11.246	388055	5.0
Benzene, 1,2-di...	11.541	2.9	ug/L	222700	3	11.246	388055	5.0
(DEL) Alkane: S...	11.776	0.5	ug/L	41347	3	11.246	388055	5.0
Benzene, 1-ethy...	12.011	3.9	ug/L	305100	3	11.246	388055	5.0
Indan, 1-methyl-	12.111	1.6	ug/L	125726	3	11.246	388055	5.0
Decalin, syn-1-...	12.249	0.7	ug/L	57258	3	11.246	388055	5.0
Benzene, 1,2,4,...	12.410	4.9	ug/L	381351	3	11.246	388055	5.0
Naphthalene, de...	12.467	0.6	ug/L	42640	3	11.246	388055	5.0
(DEL) Alkane: S...	12.596	0.8	ug/L	63514	3	11.246	388055	5.0
Benzene, 1-ethe...	12.722	1.5	ug/L	113530	3	11.246	388055	5.0
Benzene, 1-meth...	12.876	4.3	ug/L	337522	3	11.246	388055	5.0
Benzene, pentam...	13.265	1.0	ug/L	79633	3	11.246	388055	5.0
Naphthalene, 1,...	14.094	0.7	ug/L	57004	3	11.246	388055	5.0
Benzene, 1,3-di...	14.226	0.6	ug/L	45684	3	11.246	388055	5.0
Naphthalene, 1,...	15.805	0.7	ug/L	54214	3	11.246	388055	5.0
Acenaphthene	16.477	0.9	ug/L	71601	3	11.246	388055	5.0