LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

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\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC: VV015823.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.113	3	7	14	rVB2	5527	5625	1.30%	0.074%
2	1.222	37	41	48	rVB	5635	5469	1.27%	0.071%
3	1.312	61	69	81	rVB	65261	68866	15.96%	0.900%
4	1.428	93	105	112	rBV	12761	35544	8.23%	0.465%
5	1.576	145	151	164	rVB	53733	63277	14.66%	0.827%
6	2.122	311	321	332	rVB	99621	143503	33.25%	1.876%
7	2.296	364	375	391	rBV	16334	33703	7.81%	0.441%
8	3.907	864	876	902	rBV3	57976	177762	41.18%	2.324%
9	4.376	1004	1022	1050	rBV	72201	189875	43.99%	2.482%
10	5.074	1222	1239	1277	rBV3	164324	429120	99.42%	5.610%
11	5.643	1403	1416	1440	rBV2	154054	312430	72.38%	4.084%
12	6.093	1538	1556	1586	rBV	97459	204107	47.29%	2.668%
13	7.010	1828	1841	1858	rBV2	42868	78835	18.26%	1.031%
14	7.338	1932	1943	1959	rBV	197881	348741	80.80%	4.559%
15	7.415	1960	1967	1979	rVB3	12099	22486	5.21%	0.294%
16	7.498	1982	1993	2002	rBV3	4536	9051	2.10%	0.118%
17	7.646	2029	2039	2057	rBV2	24550	44636	10.34%	0.584%
18	7.730	2058	2065	2076	rVB3	3638	6297	1.46%	0.082%
19	8.109	2171	2183	2216	rBV	219119	401064	92.92%	5.243%
20	8.875	2403	2421	2439	rBV	236748	394849	91.48%	5.162%
21	9.039	2464	2472	2476	rBV3	5255	7275	1.69%	0.095%
22	9.161	2498	2510	2525	rBV	90628	150958	34.97%	1.973%
23	9.235	2526	2533	2550	rVB2	5620	10977	2.54%	0.144%
24	9.566	2625	2636	2656	rBV	68255	114675	26.57%	1.499%
25	9.695	2662	2676	2688	rBV3	24862	42138	9.76%	0.551%
26	9.762	2688	2697	2709	rVB2	11622	19627	4.55%	0.257%
27	9.952	2745	2756	2775	rVB3	20463	42154	9.77%	0.551%
28	10.238	2833	2845	2859	rBV	66395	106961	24.78%	1.398%
29	10.376	2878	2888	2895	rBV	26826	44143	10.23%	0.577%
30	10.408	2895	2898	2908	rVV4	14878	21713	5.03%	0.284%
31	10.495	2908	2925	2936	rVV	43633	100789	23.35%	1.318%
32	10.563	2939	2946	2956	rVB	8671	13005	3.01%	0.170%
33	10.759	2997	3007	3015	rBV	36398	55289	12.81%	0.723%
34	10.936	3047	3062	3074	rBV	106300	164974	38.22%	2.157%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

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\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

35	11.010	3077	3085	3097	rVB2	24843	37444	8.68%	0.489%
36	11.077	3097	3106	3113	rBV5	12070	17596	4.08%	0.230%
37	11.158	3120	3131	3140	rVB10	4862	9691	2.25%	0.127%
38	11.270	3155	3166	3183	rVB	262294	410236	95.04%	5.363%
39	11.357	3184	3193	3204	rBV	26465	43028	9.97%	0.562%
40	11.421	3206	3213	3225	rVB3	14141	21336	4.94%	0.279%
41	11.476	3225	3230	3241	rVB10	5253	8336	1.93%	0.109%
42	11.550	3241	3253	3265	rBV	164627	264600	61.30%	3.459%
43	11.646	3273	3283	3303	rVB	202727	336761	78.02%	4.402%
44	11.772	3311	3322	3331	rBV2	67093	116662	27.03%	1.525%
45	11.929	3361	3371	3377	rBV5	9279	17872	4.14%	0.234%
46	11.961	3377	3381	3392	rVB2	10499	14829	3.44%	0.194%
47	12.038	3394	3405	3411	rBV	14344	22323	5.17%	0.292%
48	12.084	3411	3419	3427	rVV5	13011	20912	4.84%	0.273%
49	12.138	3427	3436	3443	rBV	38969	59448	13.77%	0.777%
50	12.183	3444	3450	3458	rVB5	20213	31568	7.31%	0.413%
51	12.231	3459	3465	3471	rBV6	7743	10326	2.39%	0.135%
52	12.334	3488	3497	3503	rBV7	15345	27137	6.29%	0.355%
53	12.383	3503	3512	3522	rVB	75270	117285	27.17%	1.533%
54	12.485	3533	3544	3550	rBV2	156362	316169	73.25%	4.133%
55	12.530	3551	3558	3566	rVB	289455	431624	100.00%	5.643%
56	12.627	3584	3588	3595	rVB7	5173	6458	1.50%	0.084%
57	12.685	3600	3606	3612	rVV8	4576	6108	1.42%	0.080%
58	12.749	3614	3626	3640	rVB2	49587	82368	19.08%	1.077%
59	12.907	3655	3675	3687	rBV4	74830	148876	34.49%	1.946%
60	12.971	3687	3695	3709	rVB	50993	84543	19.59%	1.105%
61	13.080	3716	3729	3746	rVB	96301	156188	36.19%	2.042%
62	13.170	3748	3757	3762	rBV8	7412	12205	2.83%	0.160%
63	13.244	3773	3780	3786	rBV5	18832	27674	6.41%	0.362%
64	13.292	3788	3795	3811	rVB6	22782	51980	12.04%	0.680%
65	13.460	3840	3847	3855	rVB5	15193	24387	5.65%	0.319%
66	13.524	3855	3867	3873	rBV2	92093	165674	38.38%	2.166%
67	13.563	3874	3879	3891	rVB2	85807	160478	37.18%	2.098%
68	13.685	3908	3917	3927	rBV	161080	257463	59.65%	3.366%
69	13.733	3928	3932	3940	rVB2	20104	26728	6.19%	0.349%
70	13.788	3941	3949	3959	rVB2	42154	62221	14.42%	0.813%
71	13.839	3959	3965	3976	rBV6	8801	15180	3.52%	0.198%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

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\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

72	13.939	3986	3996	4003	rBV6	7396	14141	3.28%	0.185%
73	14.006	4006	4017	4028	rVB6	12660	32266	7.48%	0.422%
74	14.128	4043	4055	4056	rBV9	5855	9423	2.18%	0.123%
75	14.244	4083	4091	4092	rBV7	5577	6440	1.49%	0.084%
76	14.521	4165	4177	4188	rVB7	5447	12164	2.82%	0.159%
77	14.591	4190	4199	4207	rBV6	8005	12268	2.84%	0.160%
78	14.643	4208	4215	4219	rBV3	4107	5708	1.32%	0.075%
79	14.704	4228	4234	4245	rVB6	4453	6973	1.62%	0.091%
80	14.842	4266	4277	4288	rBV	31407	51899	12.02%	0.678%
81	15.392	4441	4448	4460	rVB7	2642	4536	1.05%	0.059%

Sum of corrected areas: 7649450

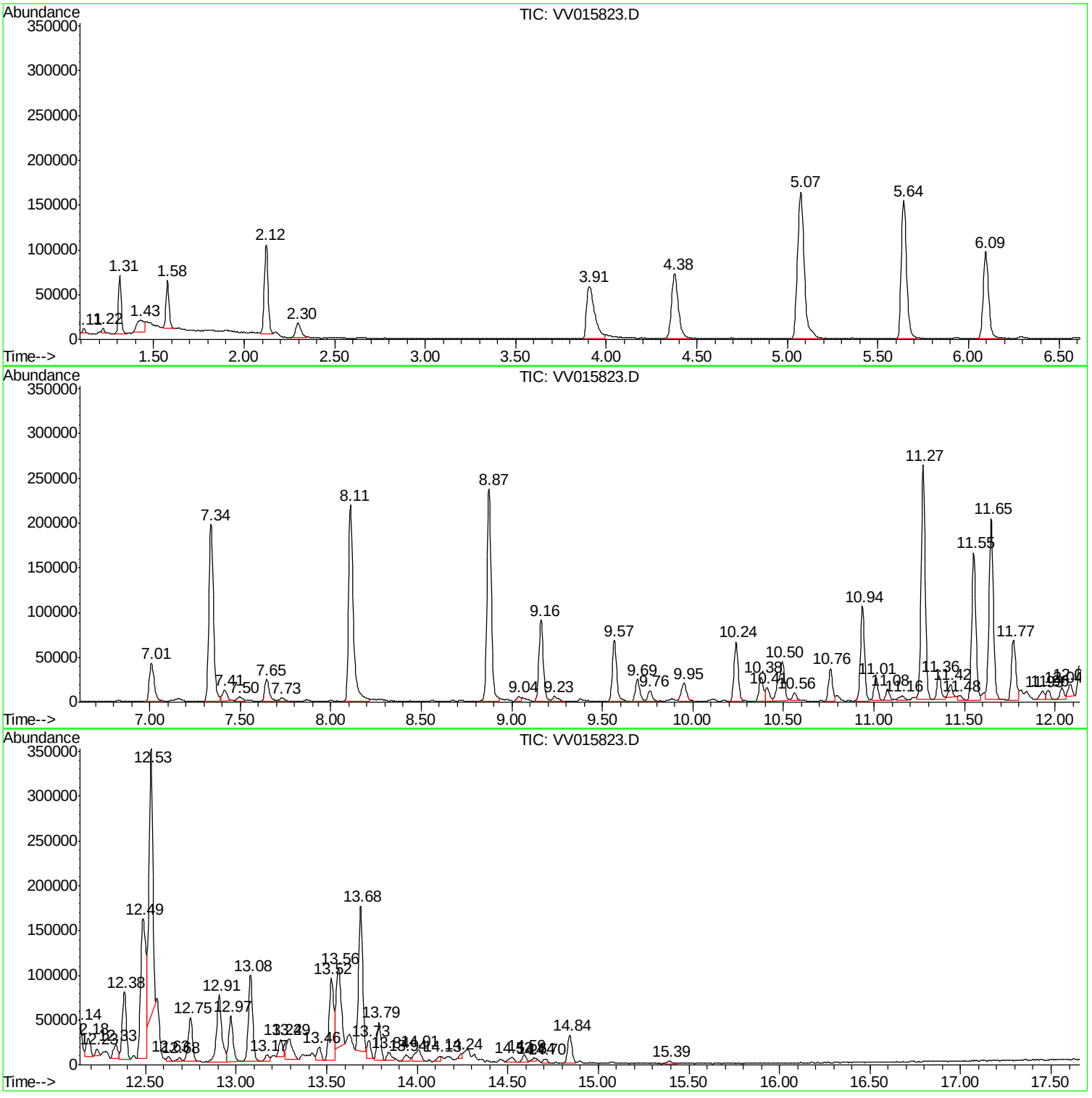
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

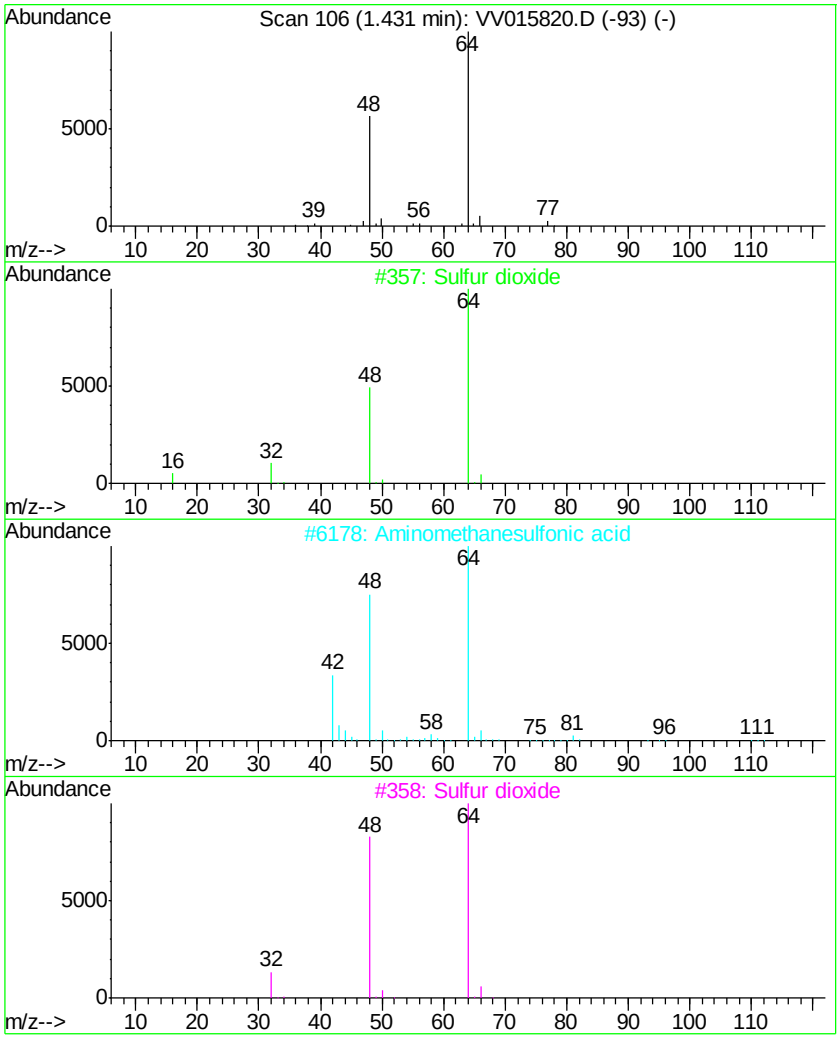
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

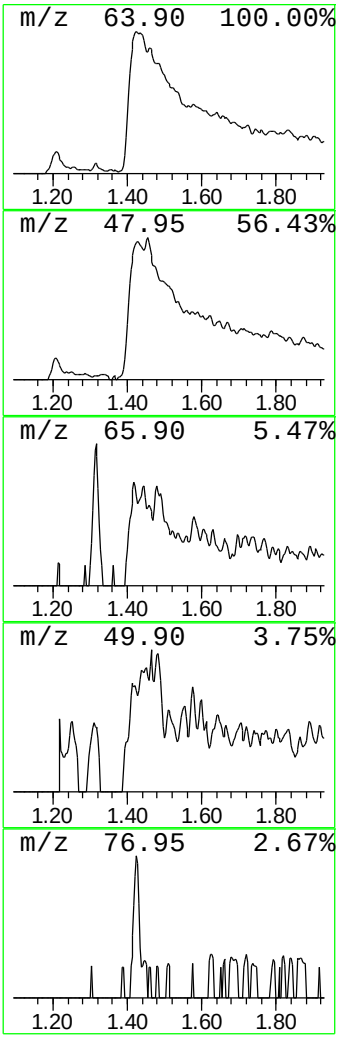
****

Peak Number 1 Sulfur dioxide Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.43	0.57 ug/L	35544	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	Sulfur dioxide	64	O2S	007446-09-5	74
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
5	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

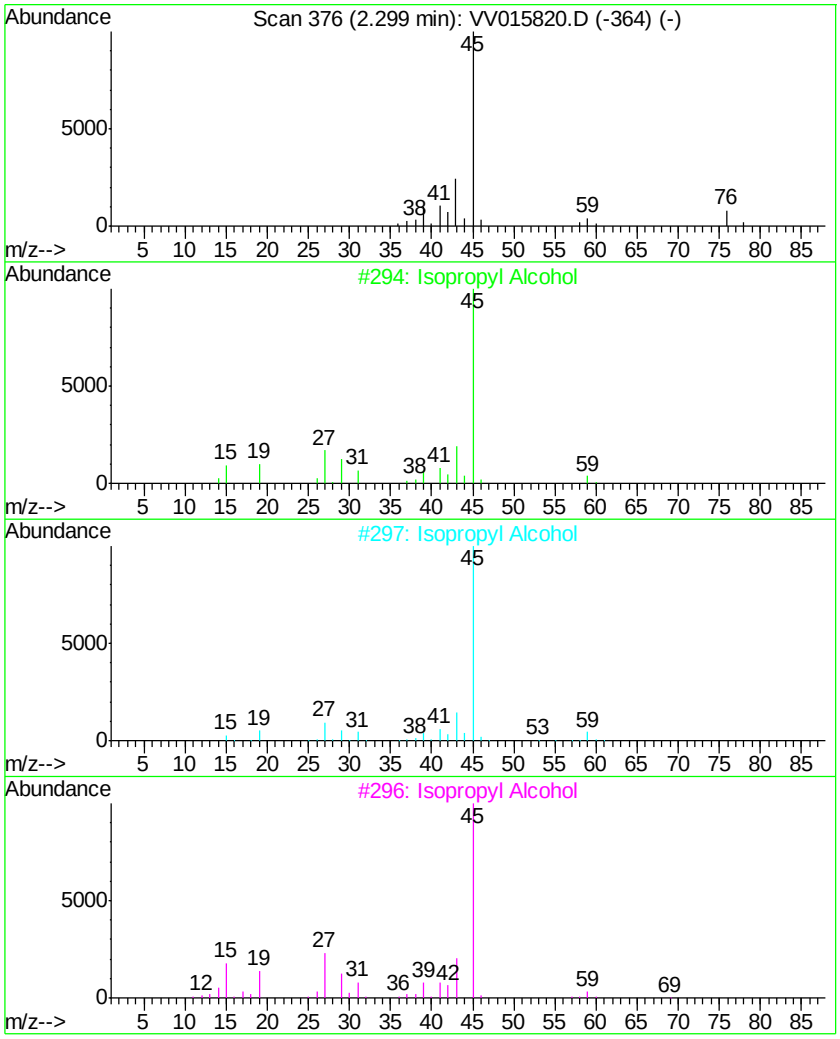
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

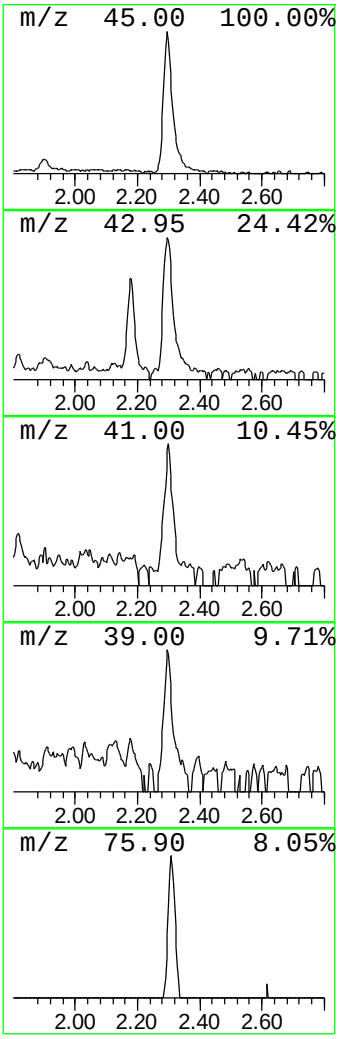
****

Peak Number 2 Isopropyl Alcohol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	0.54 ug/L	33703	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
4	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	40
5	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

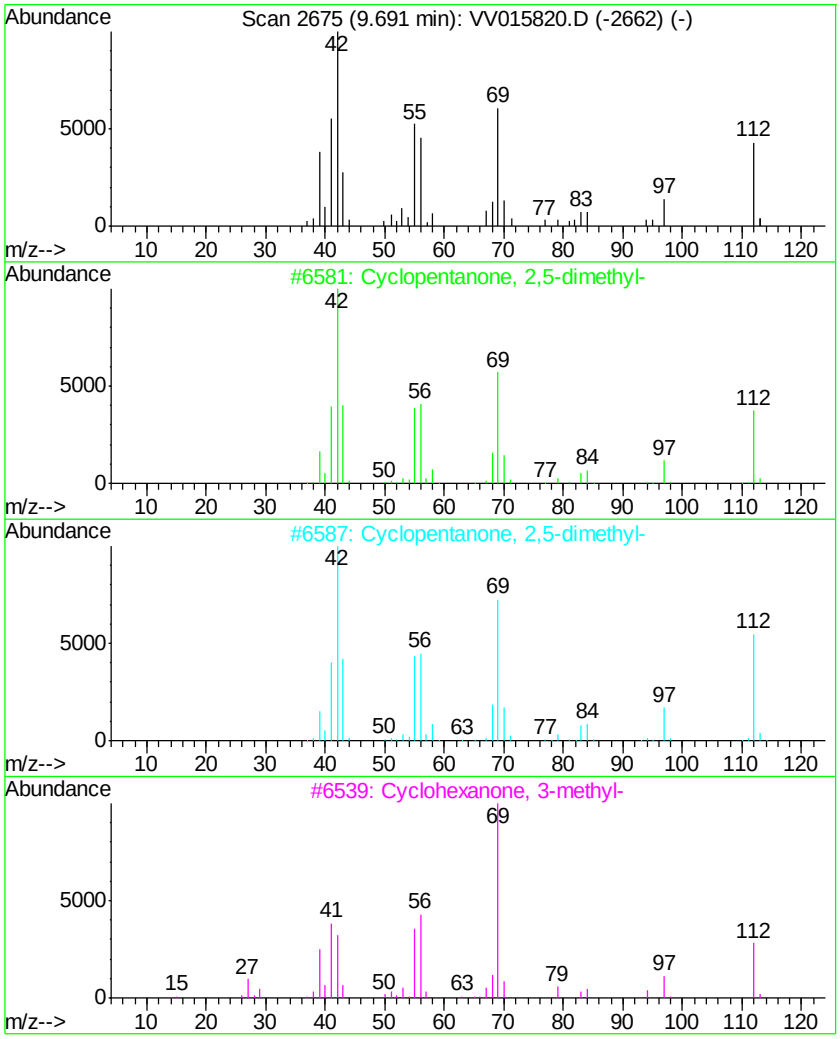
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

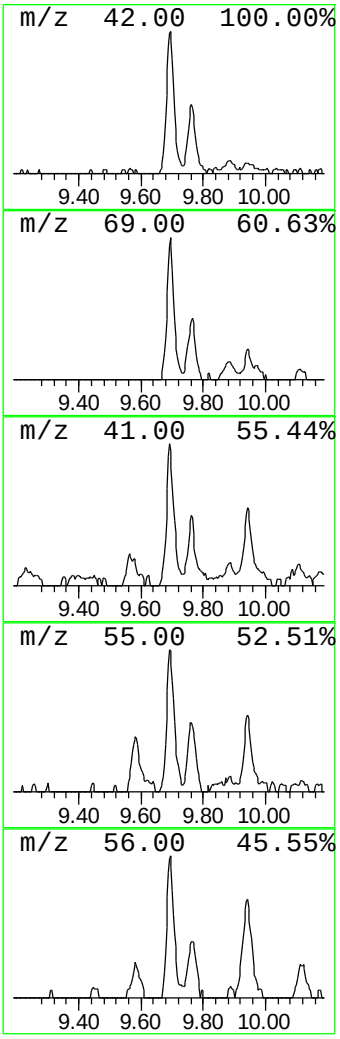
****

Peak Number 4 Cyclopentanone, 2,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	0.53 ug/L	42138	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	95
2	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	91
3	Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	68
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

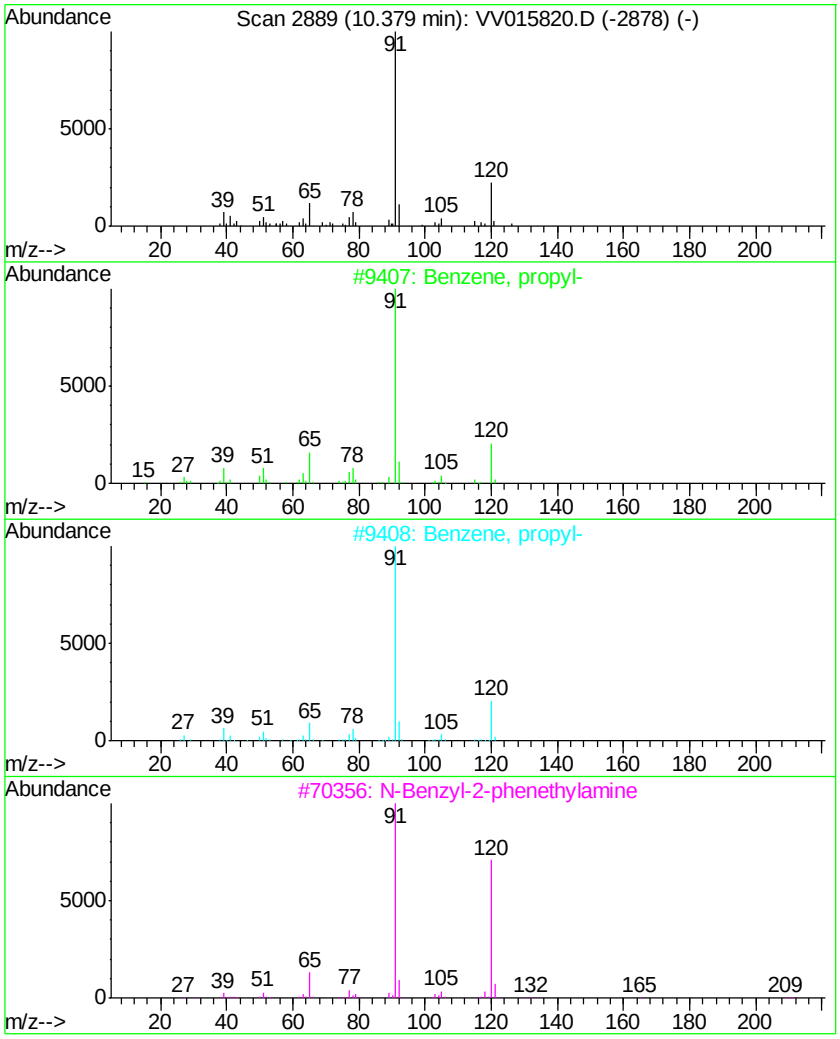
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

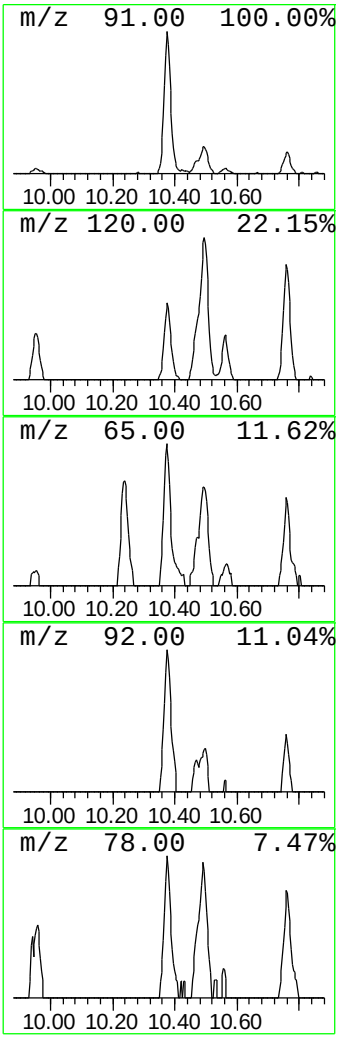
****

Peak Number 5 Benzene, propyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	0.54 ug/L	44143	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
4	Benzene, propyl-	120	C9H12	000103-65-1	80
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

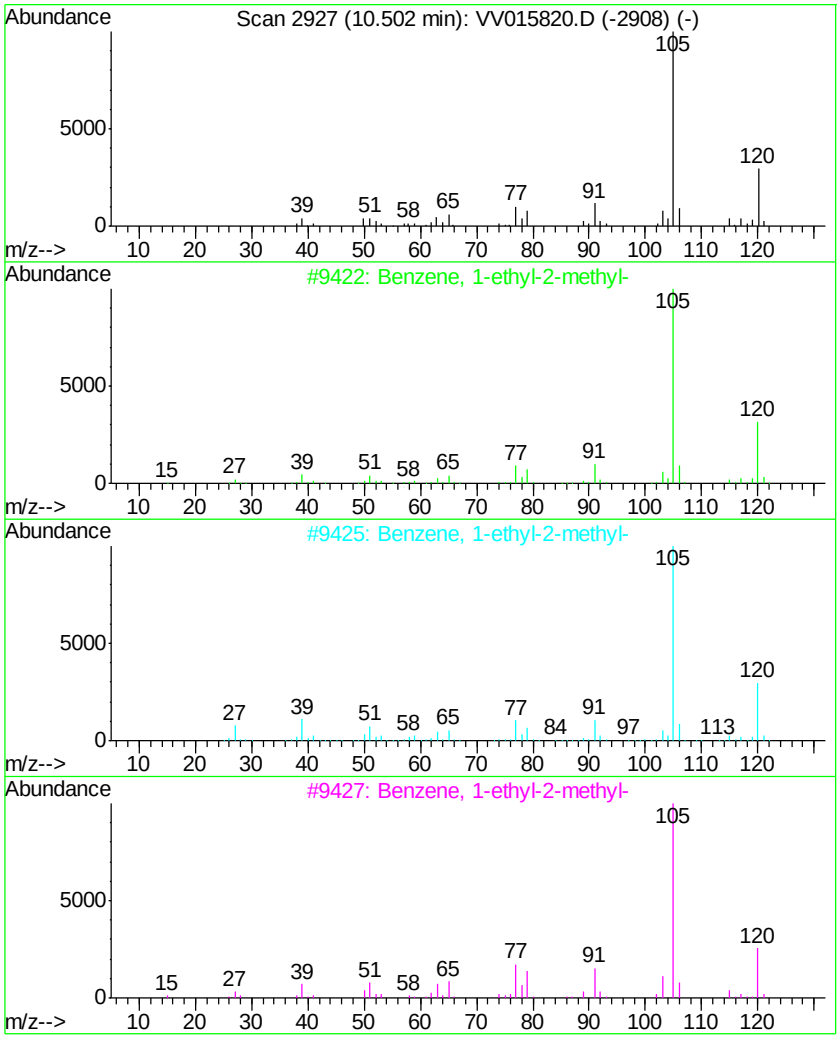
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

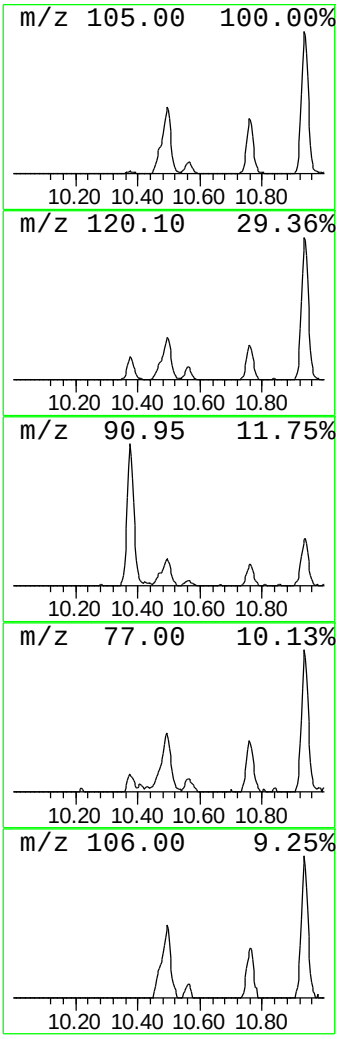
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	1.23 ug/L	100789	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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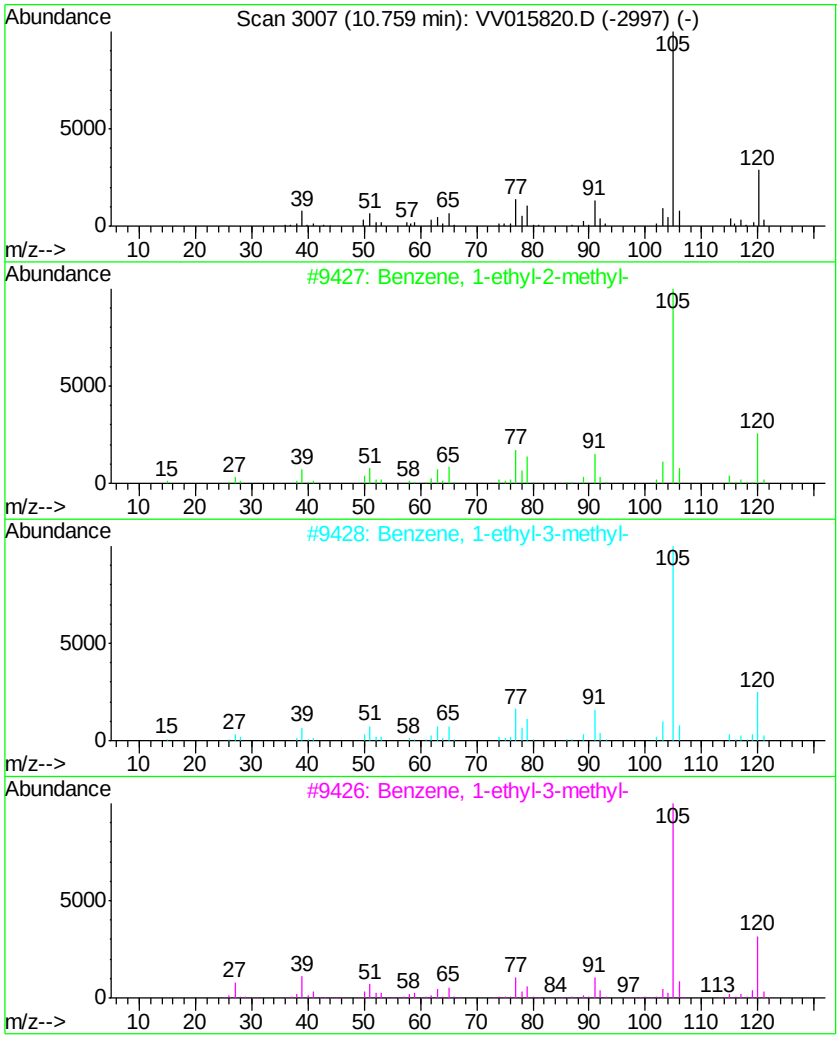
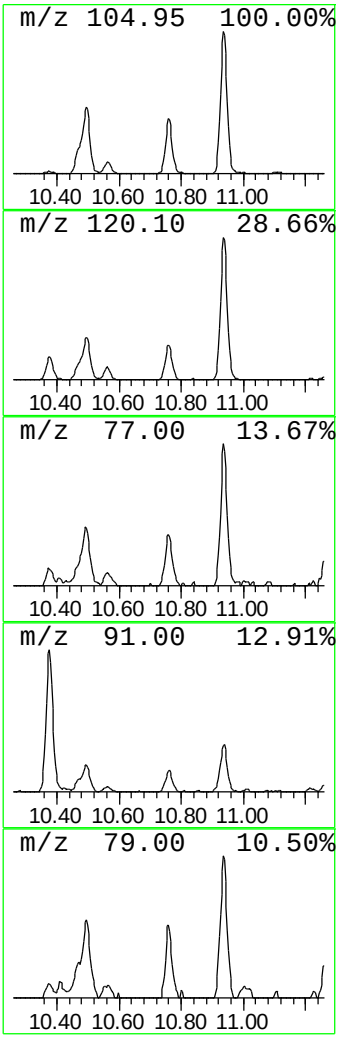
Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	0.67 ug/L	55289	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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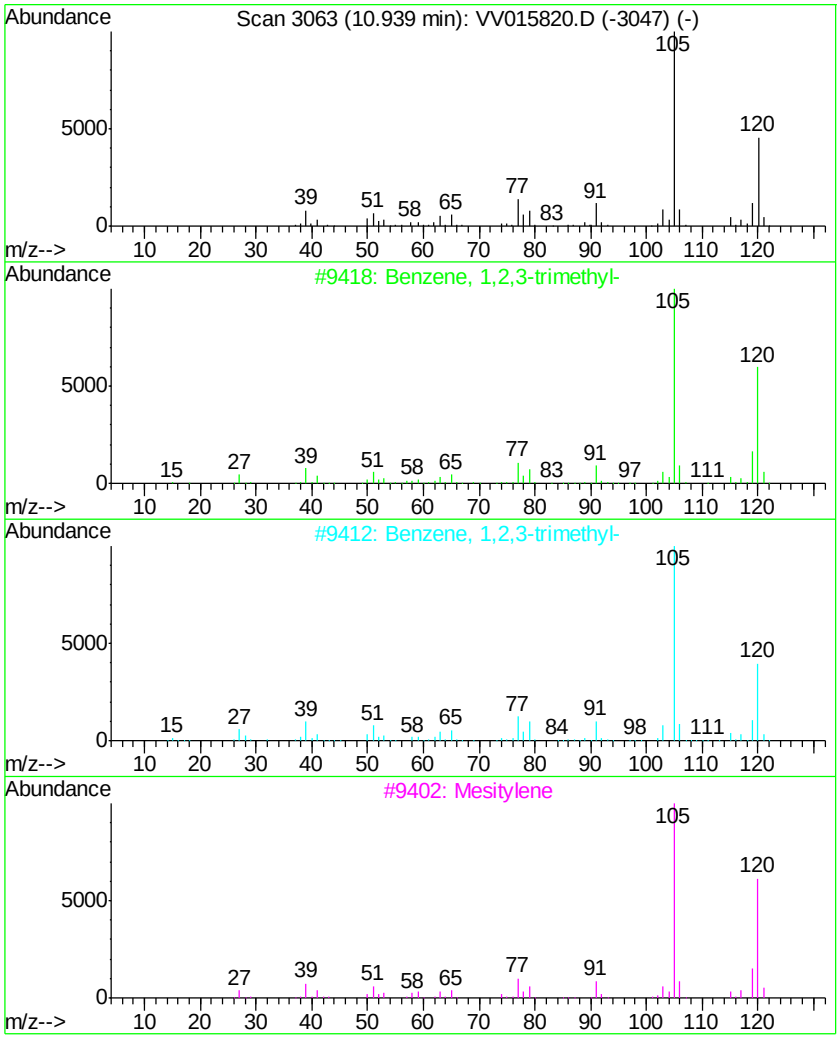
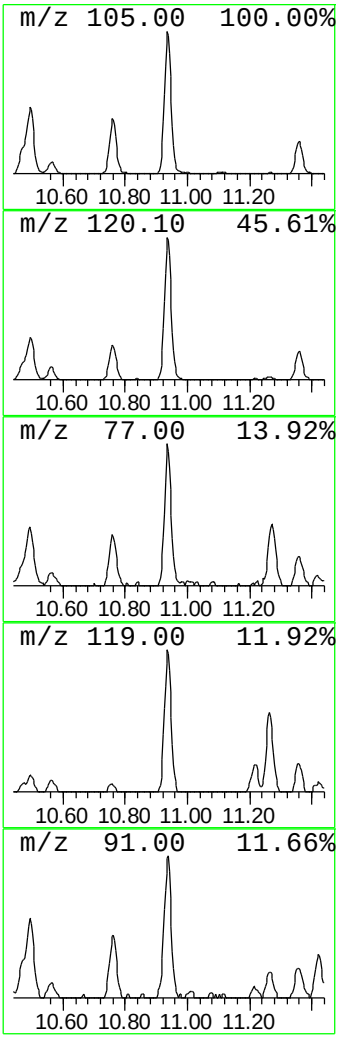
Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	2.01 ug/L	164974	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Mesitylene	120	C9H12	000108-67-8	97
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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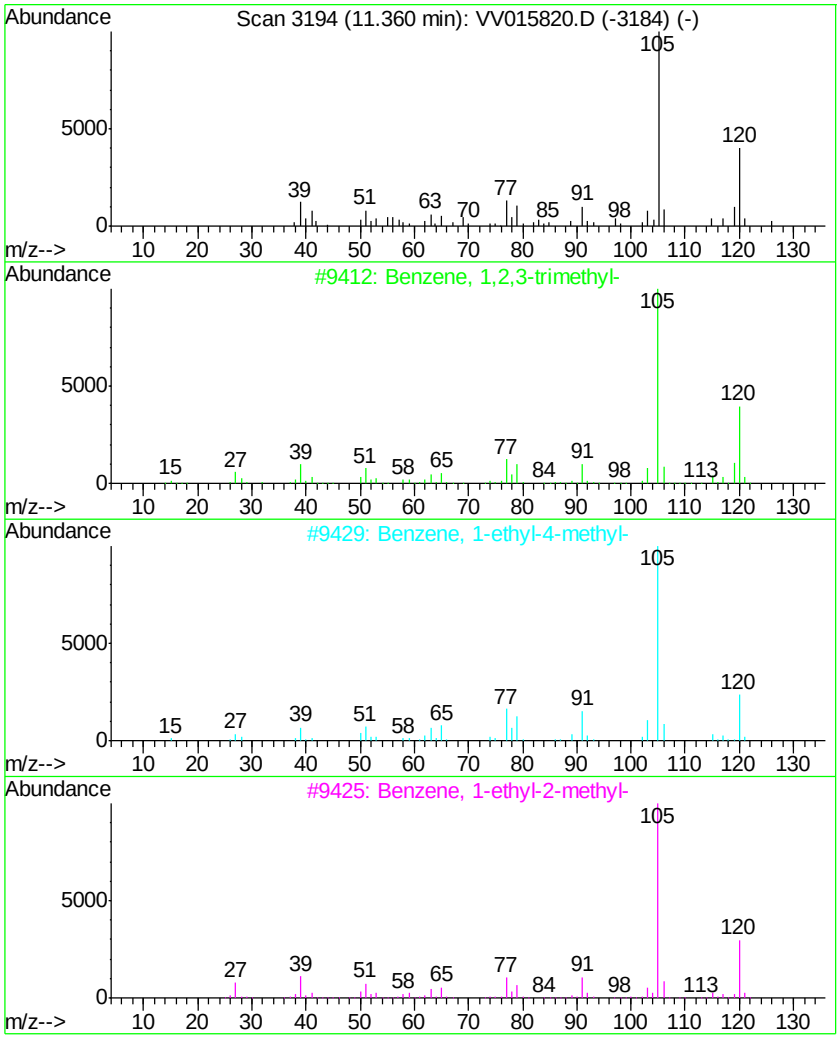
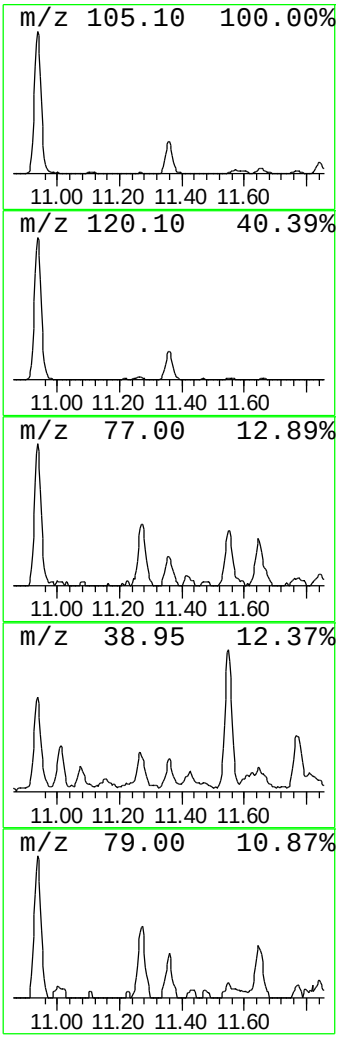
Peak Number 9 Benzene, 1-ethyl-4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	0.52 ug/L	43028	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

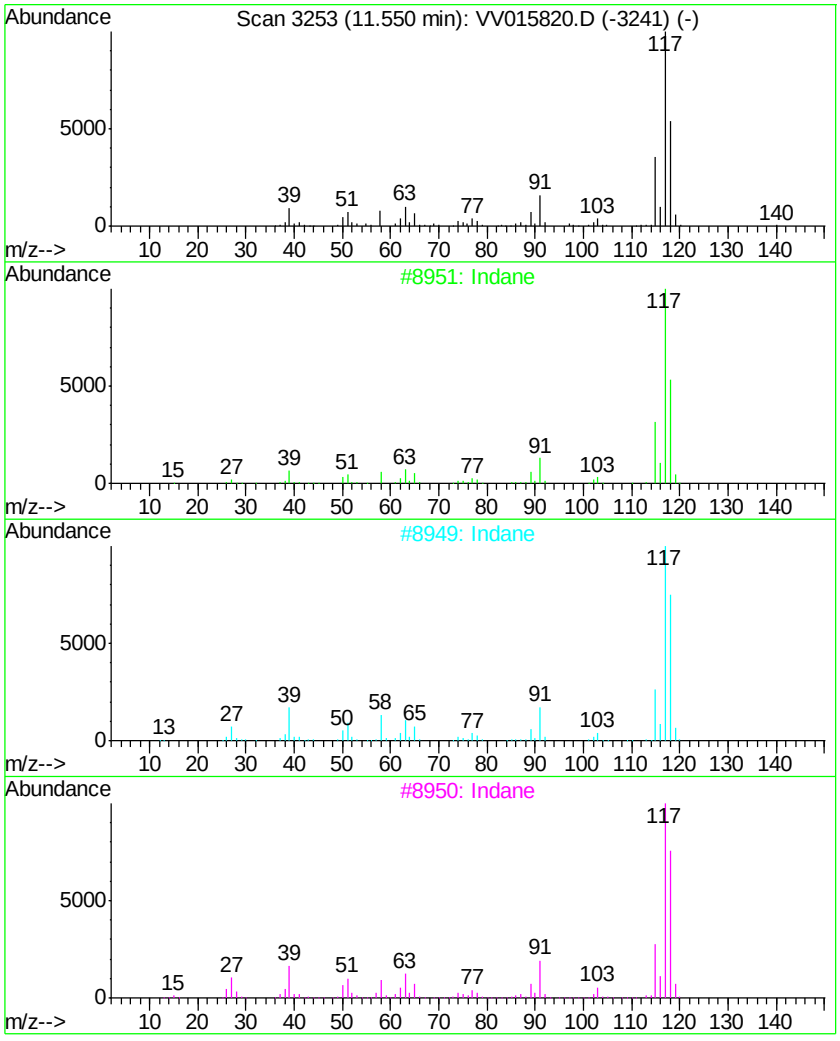
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

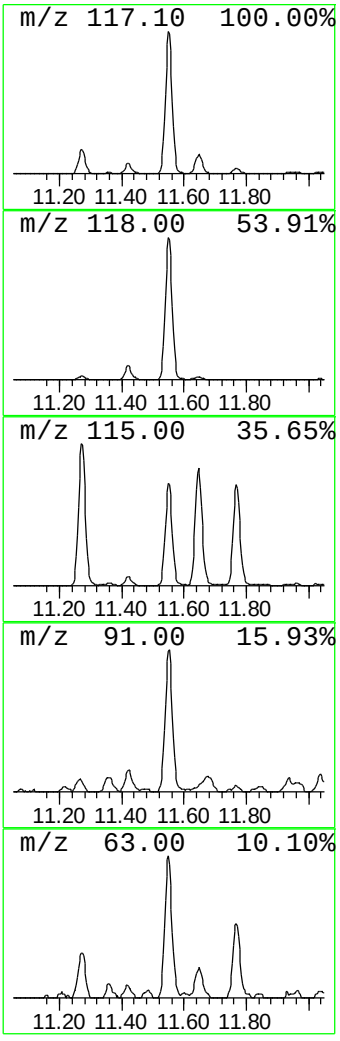
****

Peak Number 10 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	3.22 ug/L	264600	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Indane	118	C9H10	000496-11-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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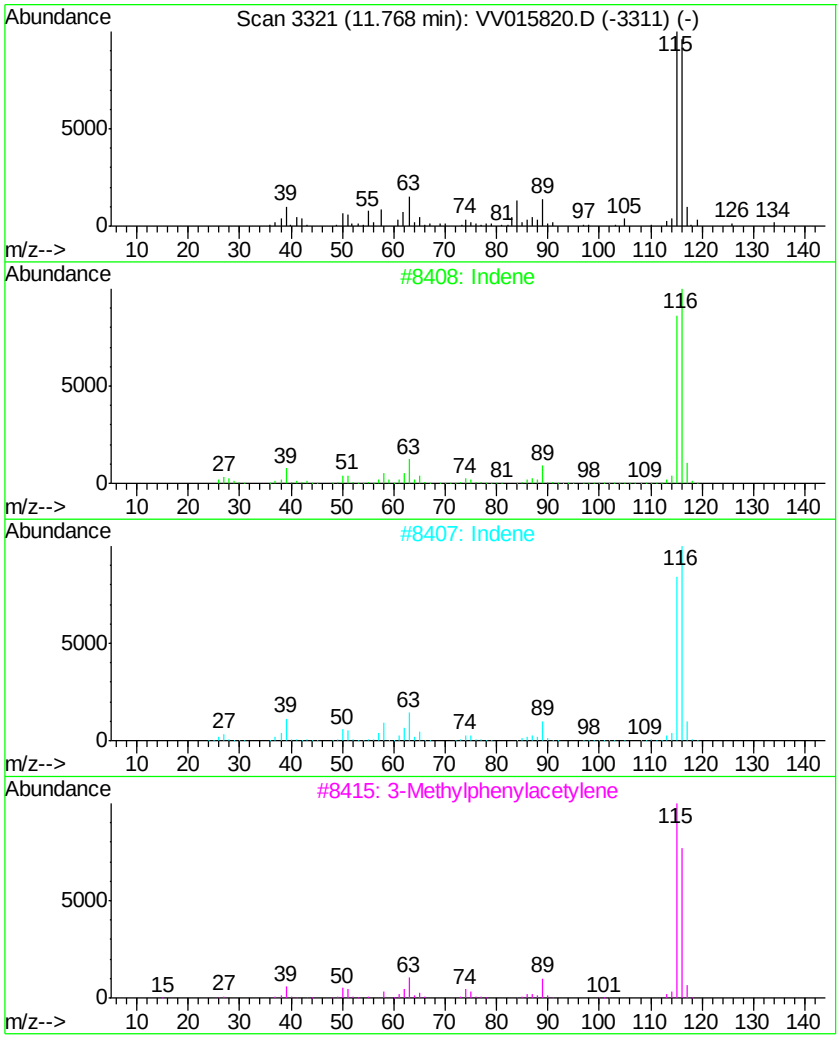
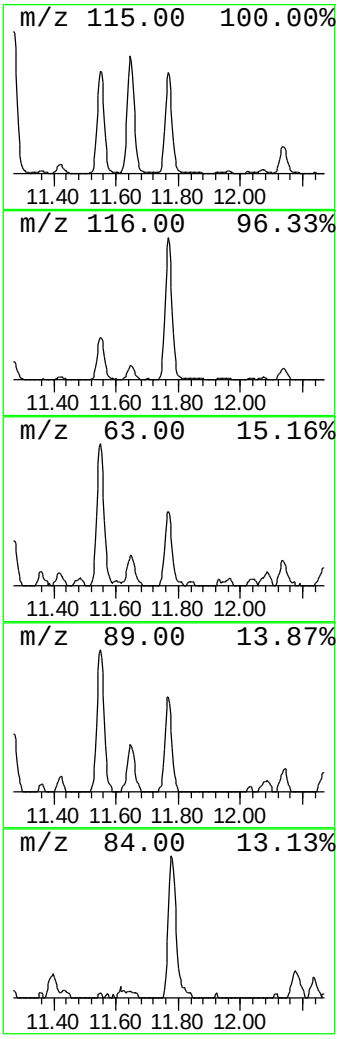
Peak Number 11 Indene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	1.42 ug/L	116662	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	90
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90
5	Indene	116	C9H8	000095-13-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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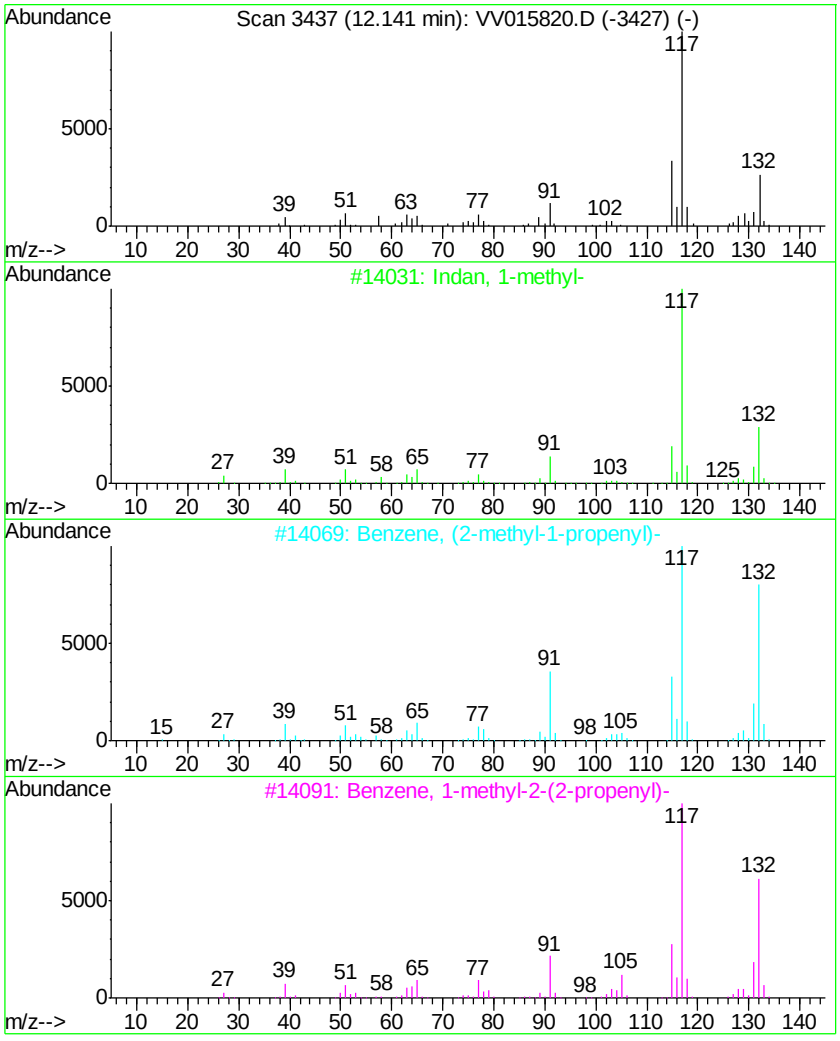
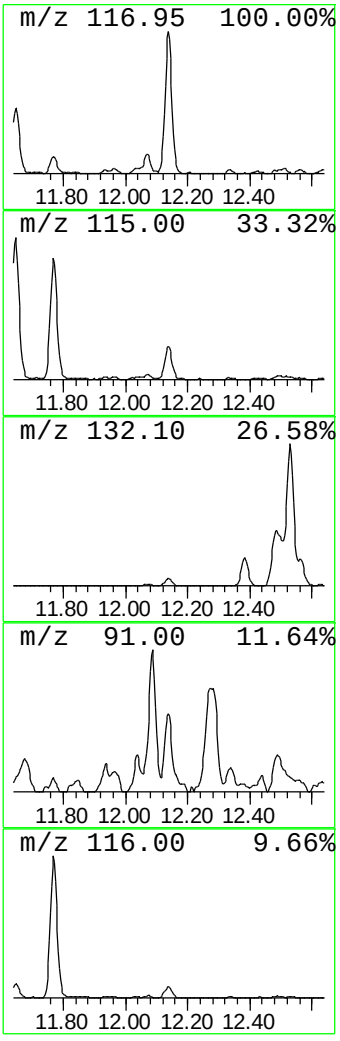
Peak Number 12 Indan, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	0.72 ug/L	59448	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
4	Indan, 1-methyl-	132	C10H12	000767-58-8	74
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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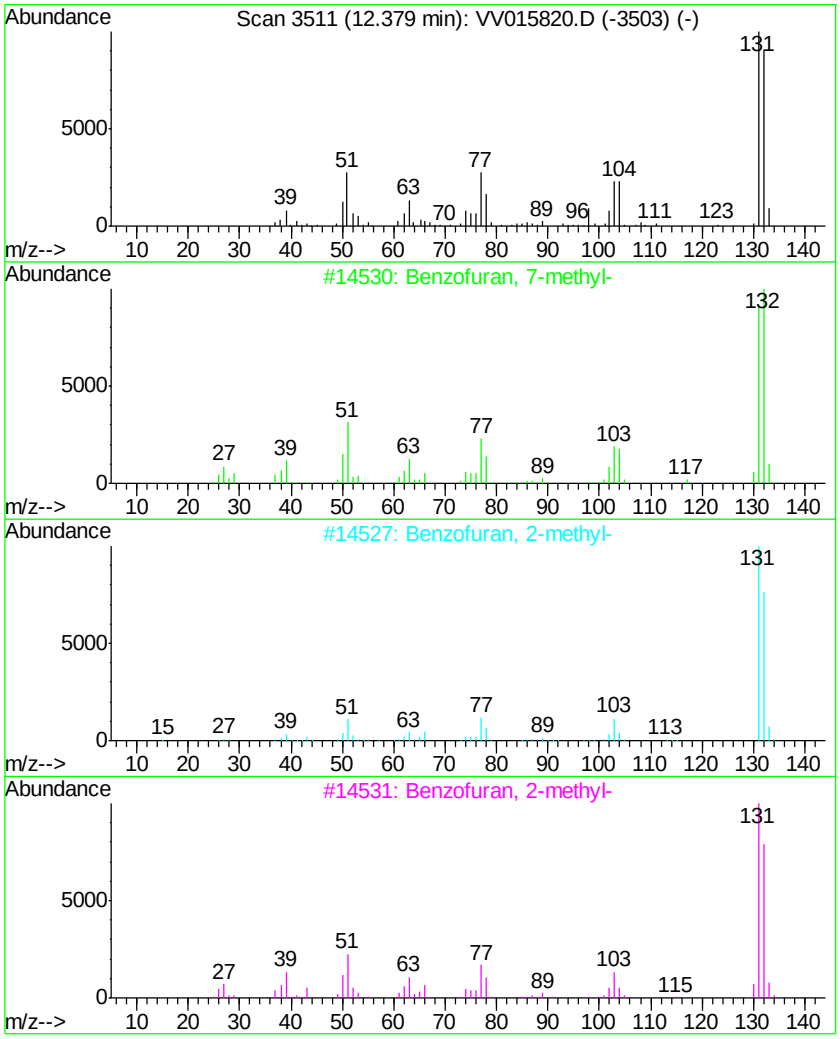
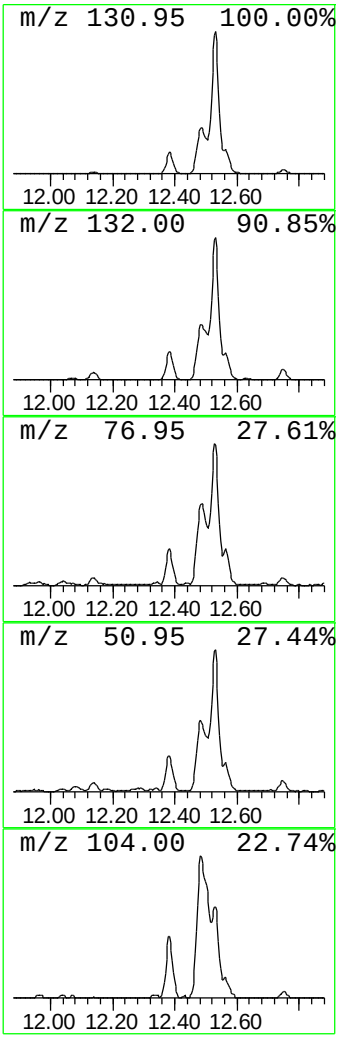
Peak Number 13 Benzofuran, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	1.43 ug/L	117285	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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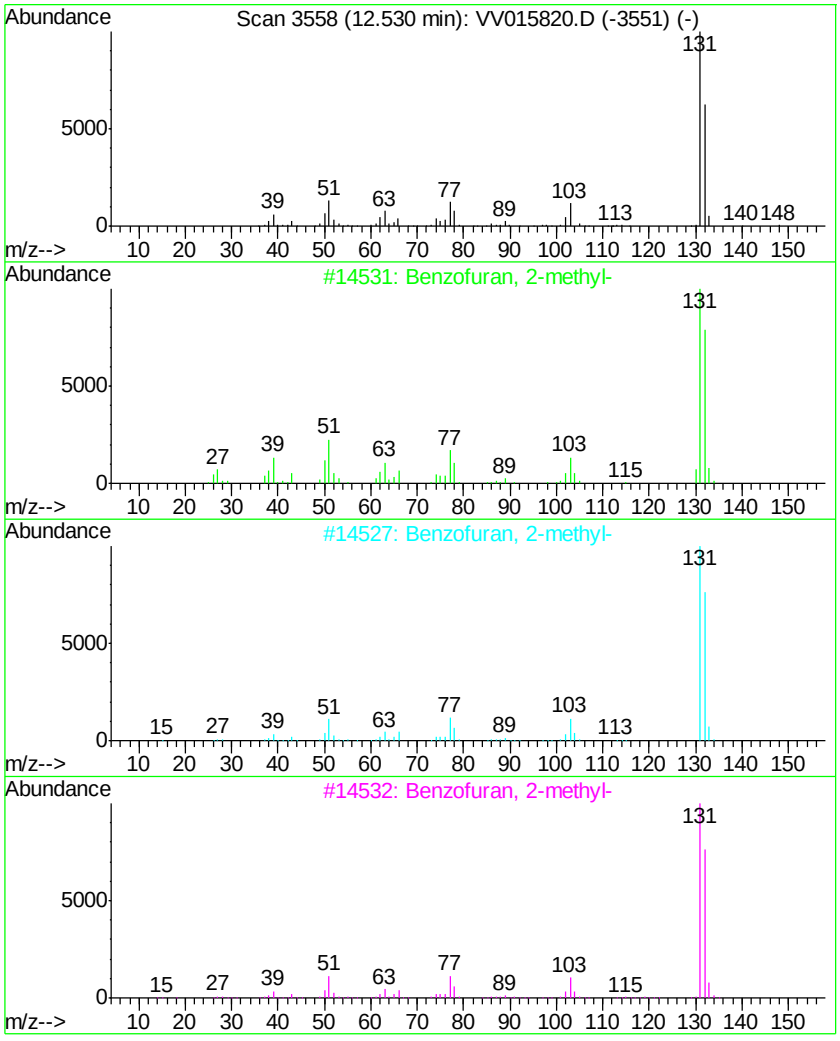
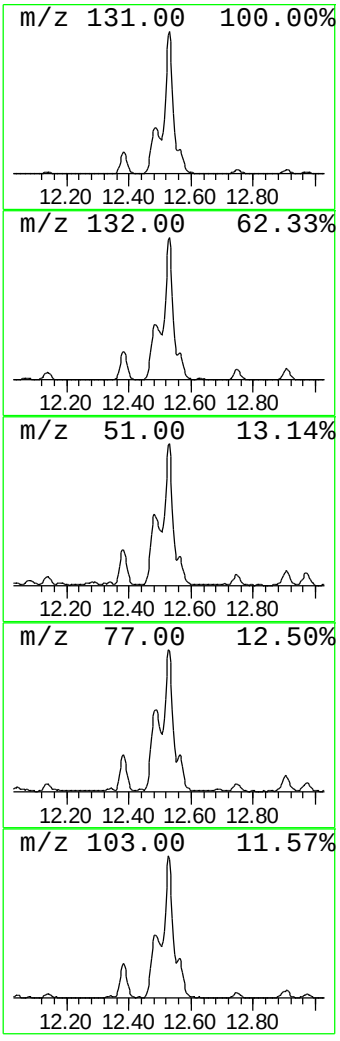
Peak Number 15 Benzofuran, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	5.26 ug/L	431624	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	86
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

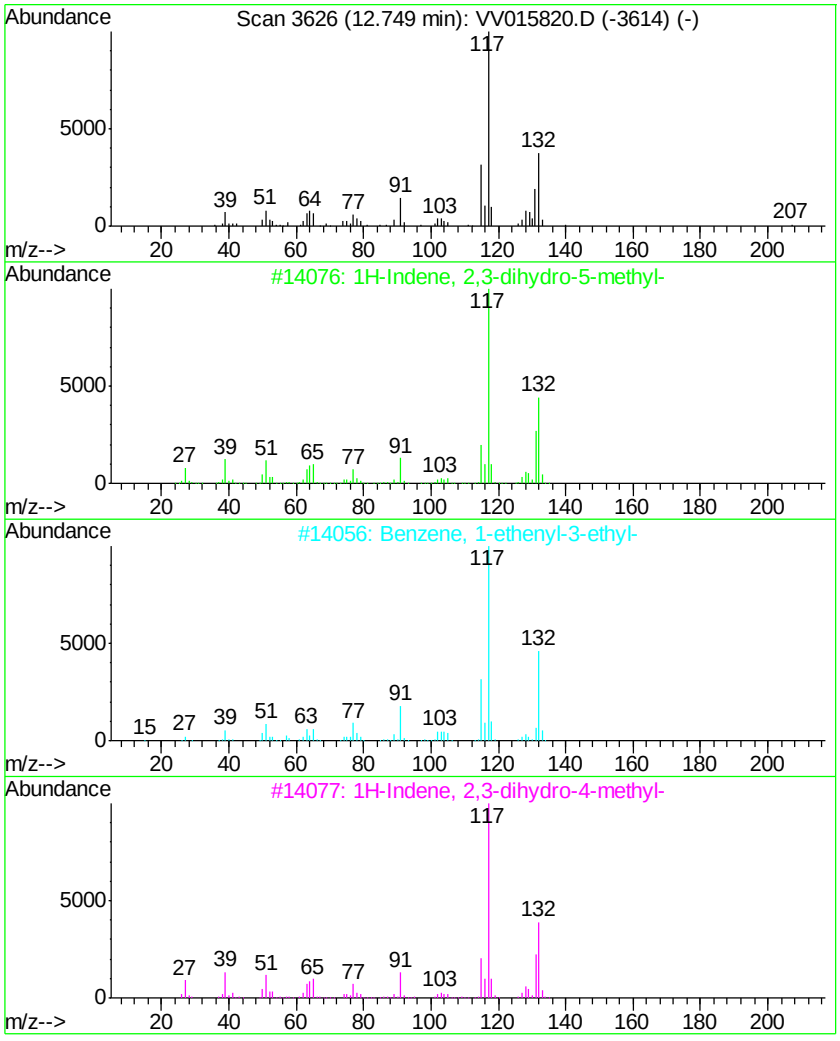
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

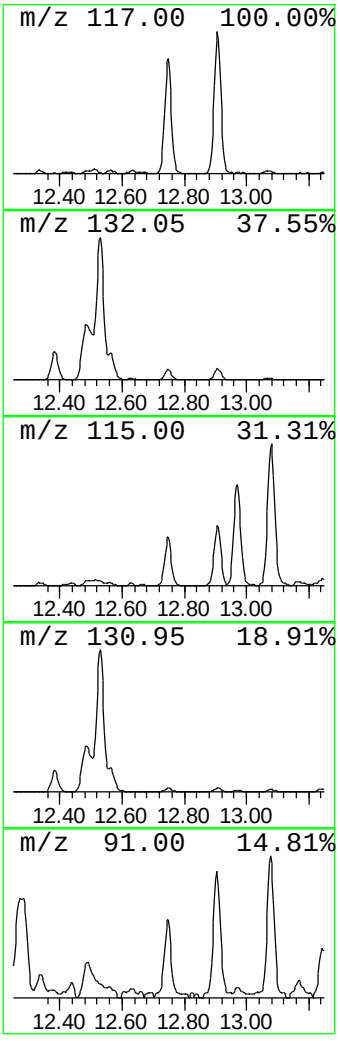
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	1.00 ug/L	82368	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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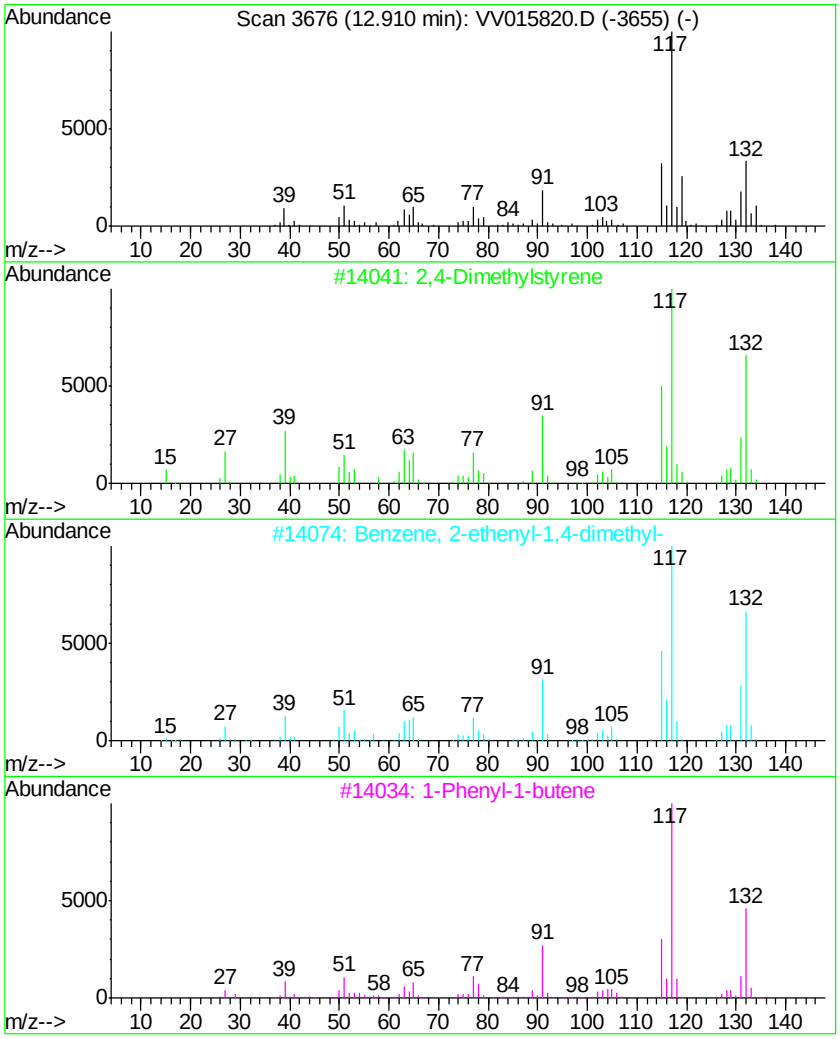
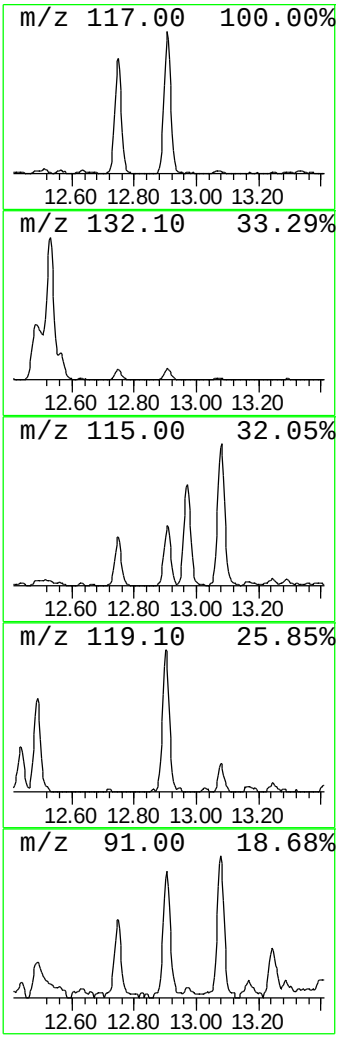
Peak Number 17 2,4-Dimethylstyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	1.81 ug/L	148876	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	78
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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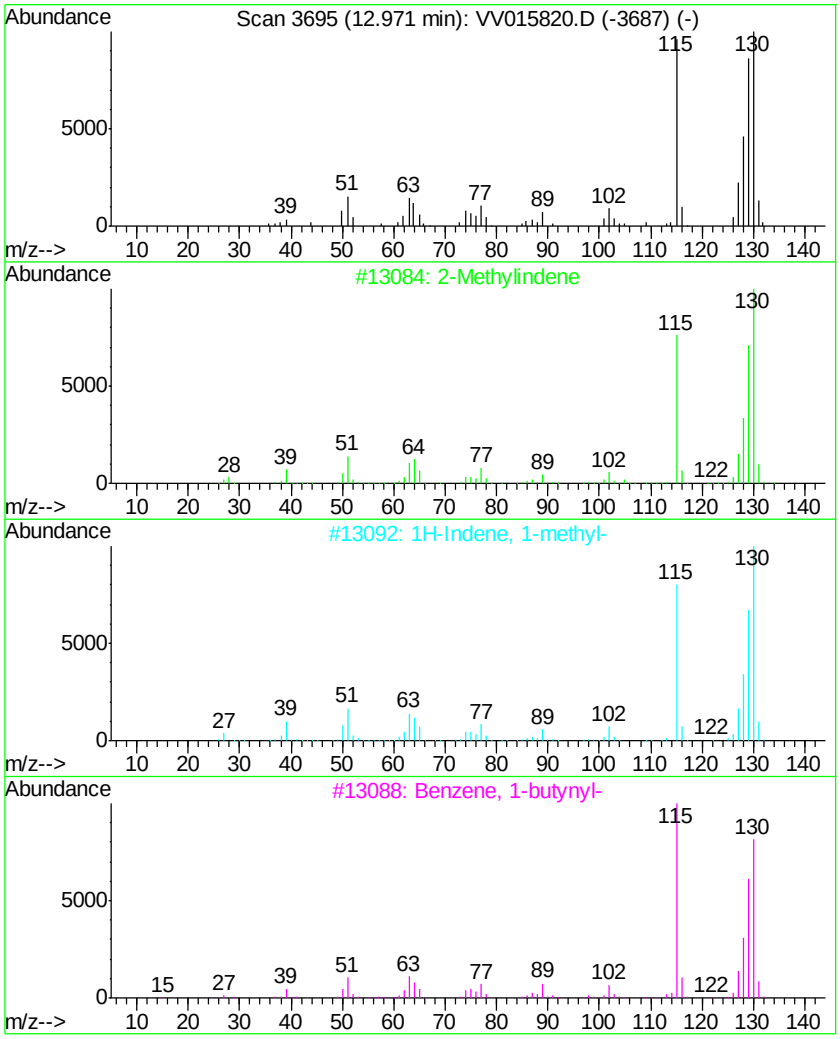
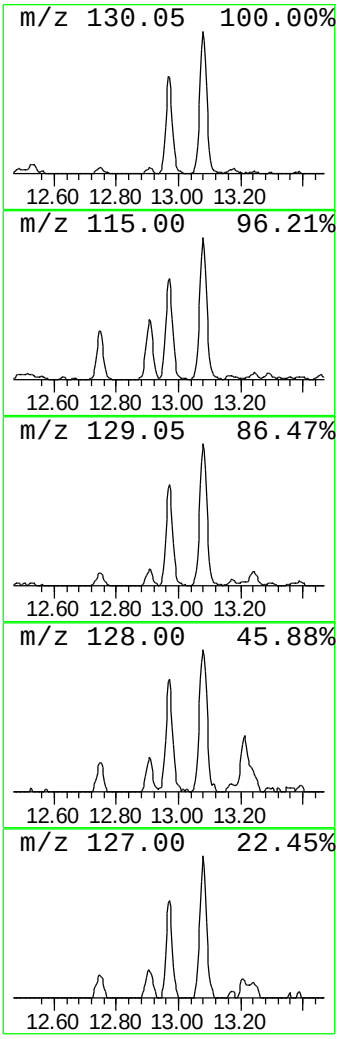
Peak Number 18 2-Methylindene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	1.03 ug/L	84543	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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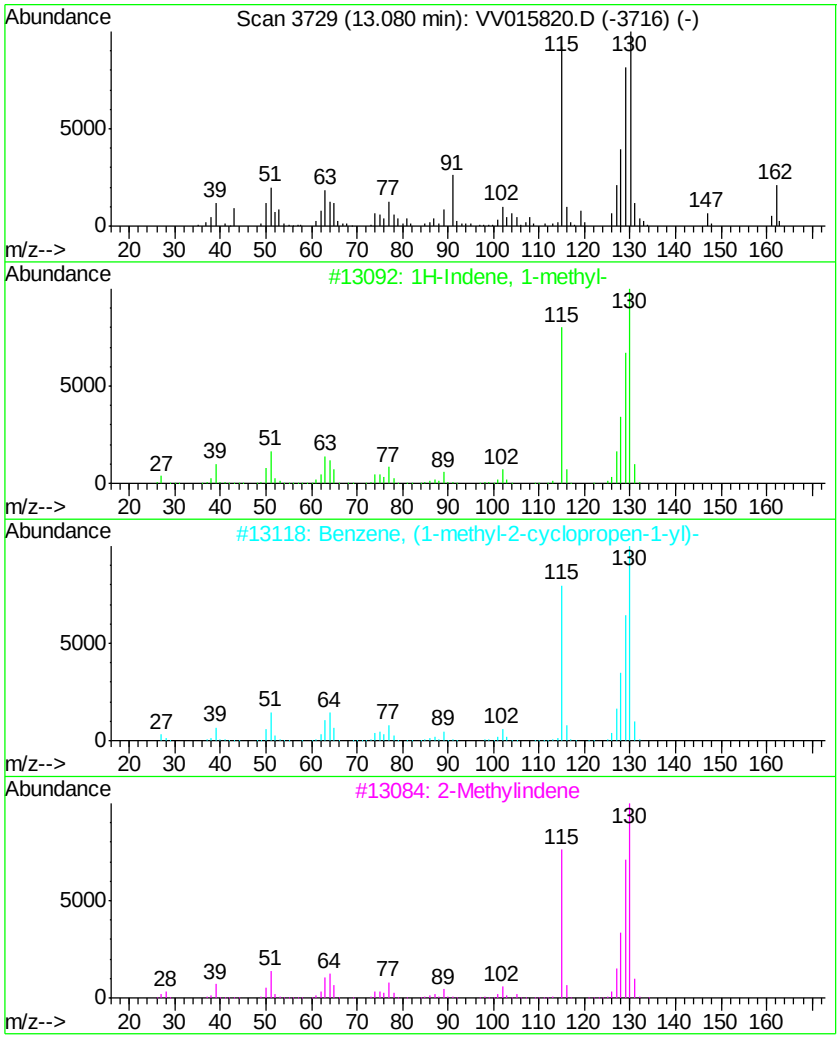
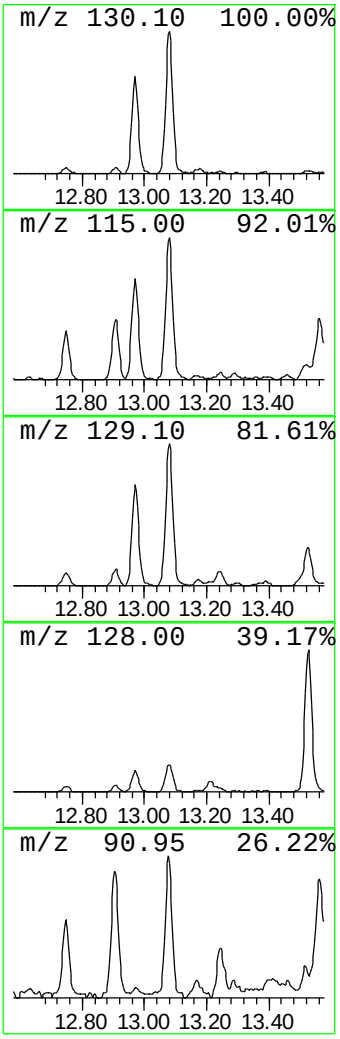
Peak Number 19 1H-Indene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	1.90 ug/L	156188	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	2-Methylindene	130	C10H10	002177-47-1	96
4	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	95
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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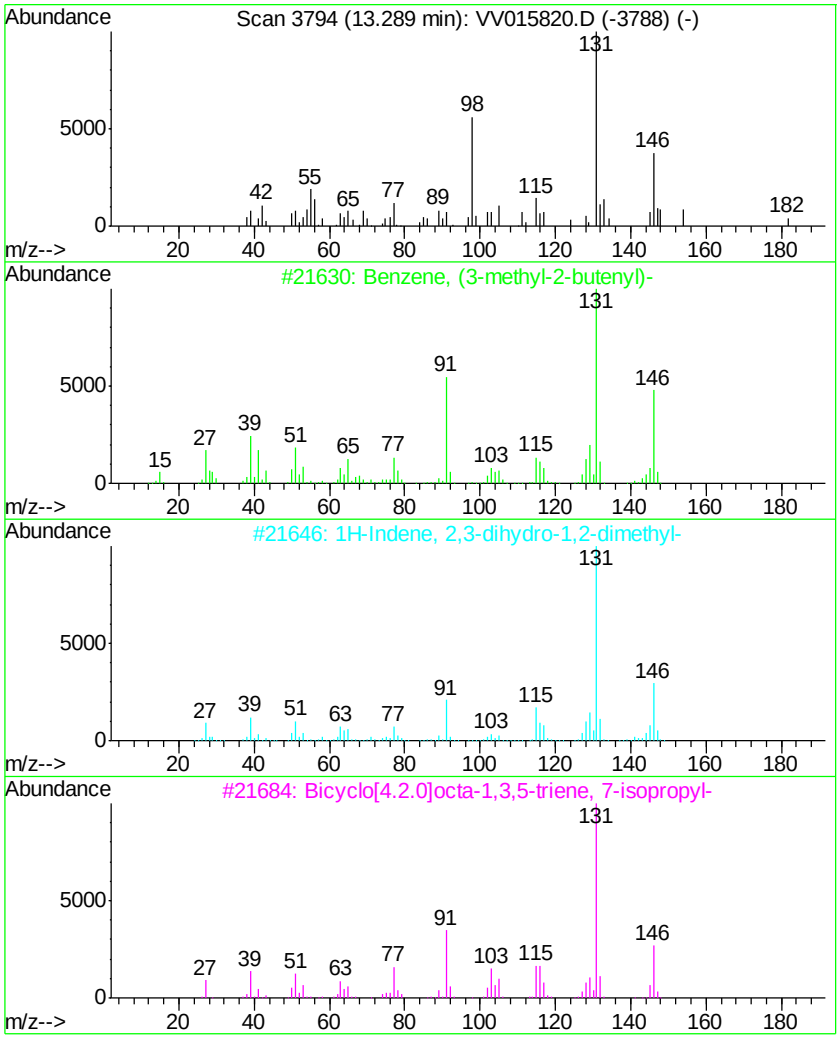
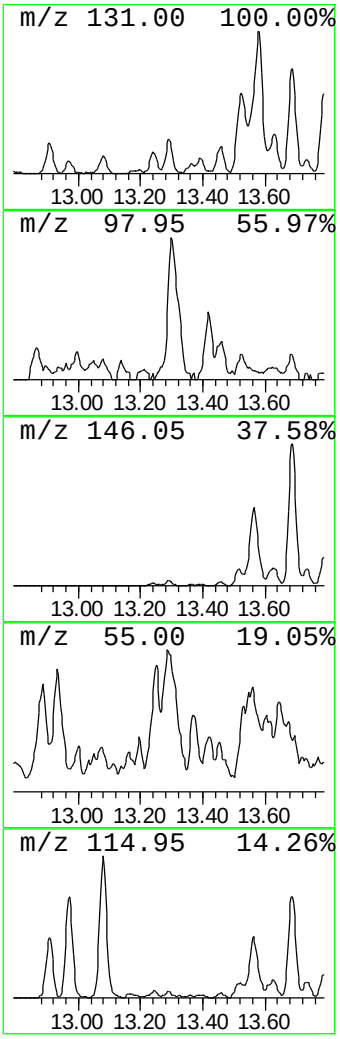
Peak Number 20 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	0.63 ug/L	51980	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	43
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	41
4	Benzene, (2-methyl-1-methylenepr...	146	C11H14	017498-71-4	41
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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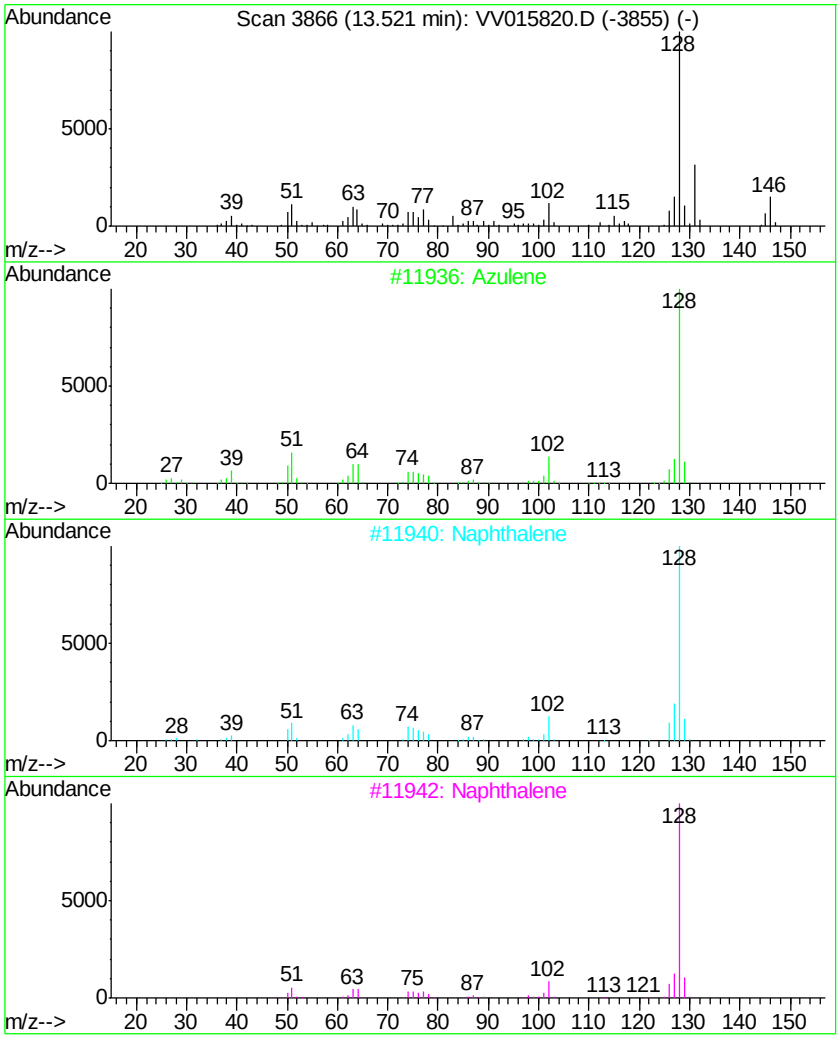
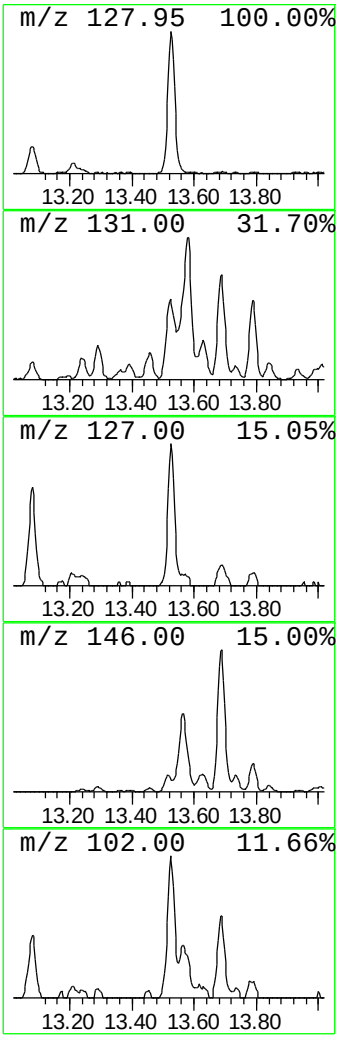
Peak Number 21 Azulene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	2.02 ug/L	165674	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	96
2	Naphthalene	128	C10H8	000091-20-3	94
3	Naphthalene	128	C10H8	000091-20-3	94
4	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	89
5	Naphthalene	128	C10H8	000091-20-3	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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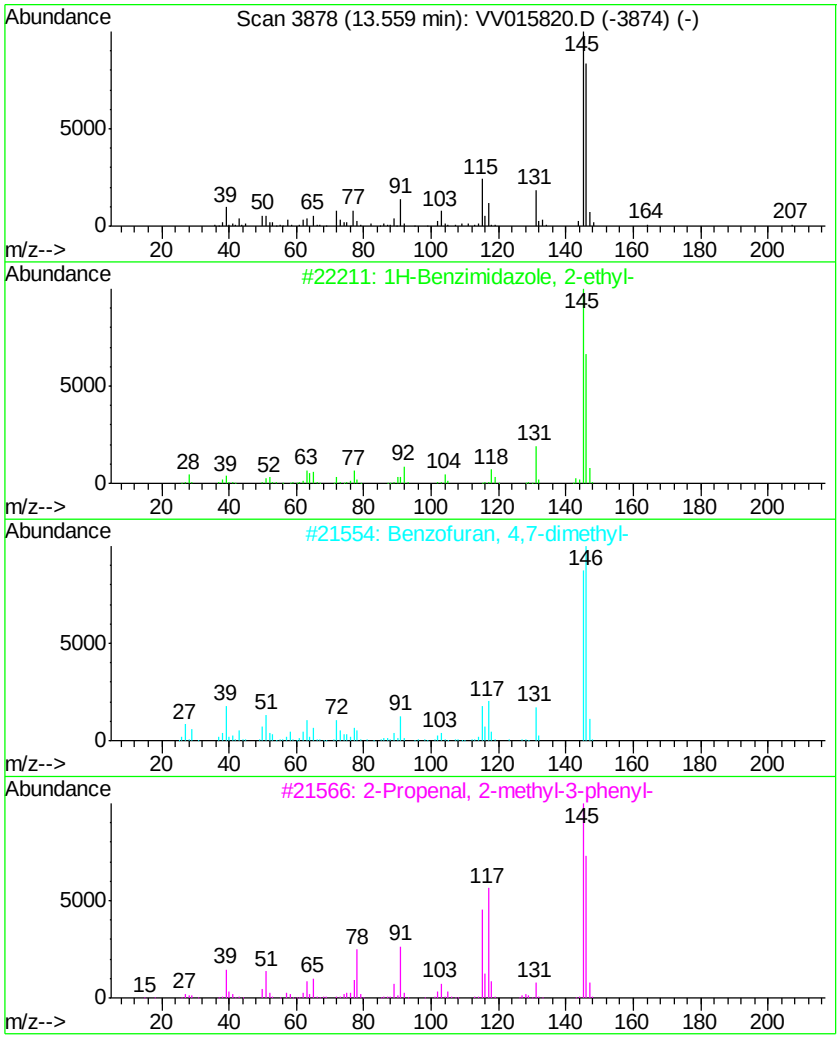
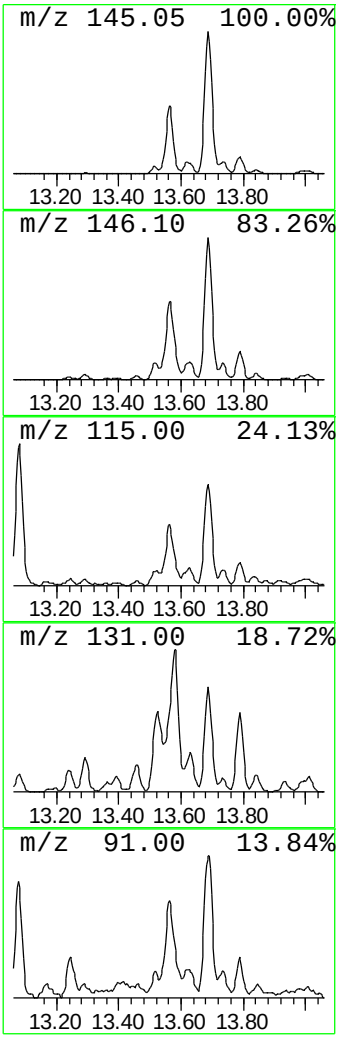
Peak Number 22 1H-Benzimidazole, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	1.96 ug/L	160478	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	72
2	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	64
3	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	64
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	59
5	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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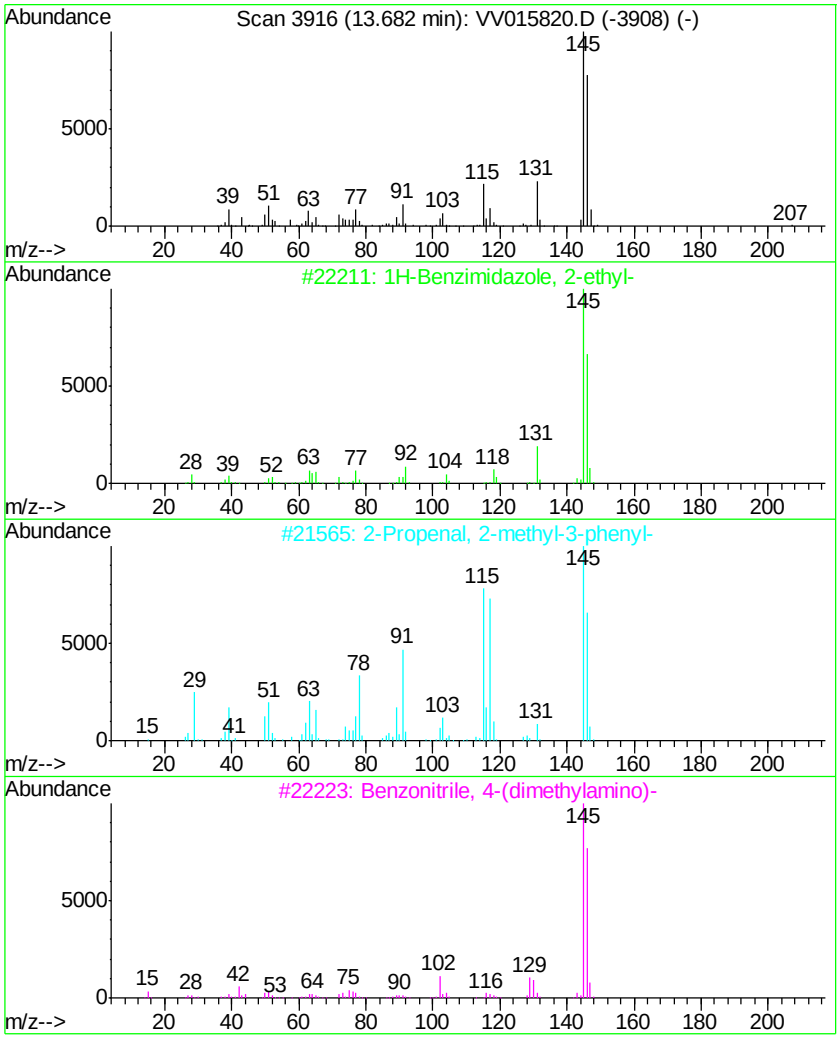
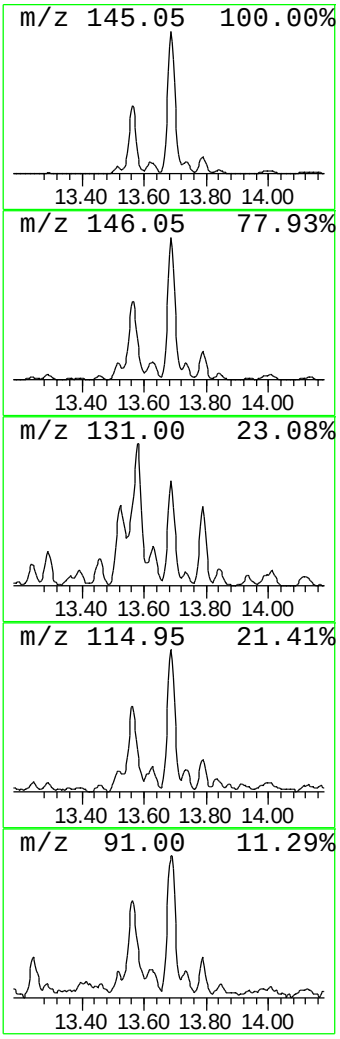
Peak Number 23 Benzonitrile, 4-(dimethylam... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	3.14 ug/L	257463	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	72
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	64
3	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
5	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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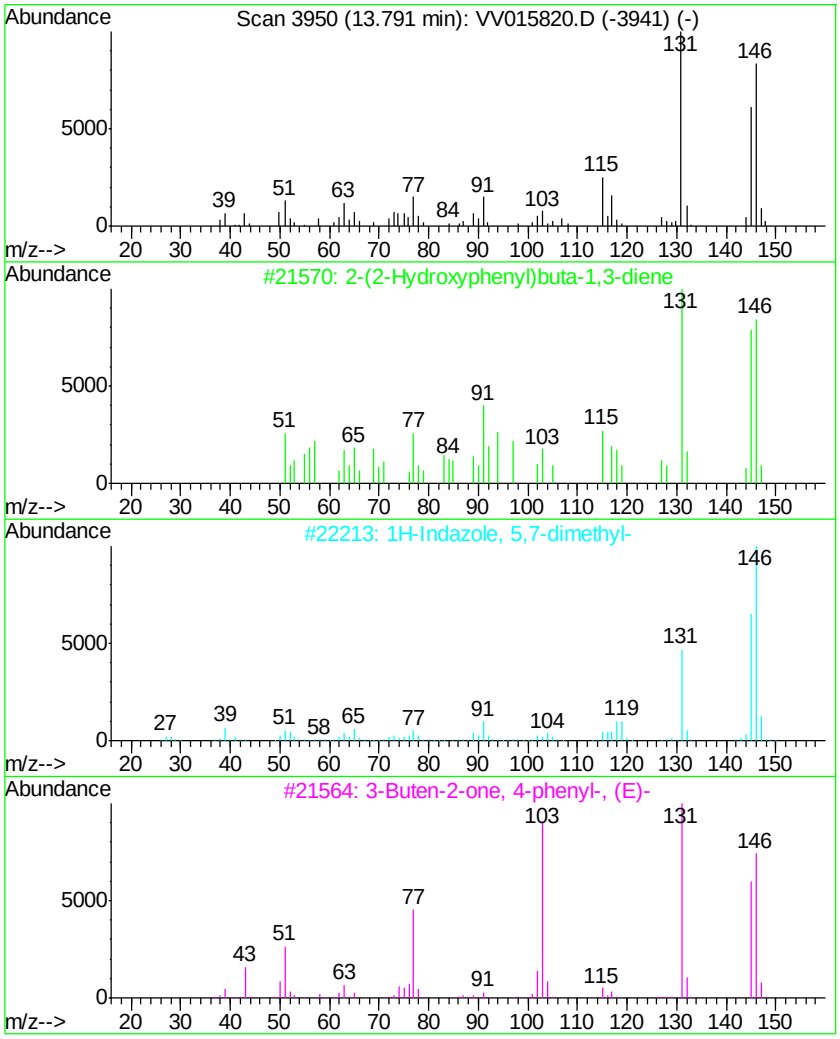
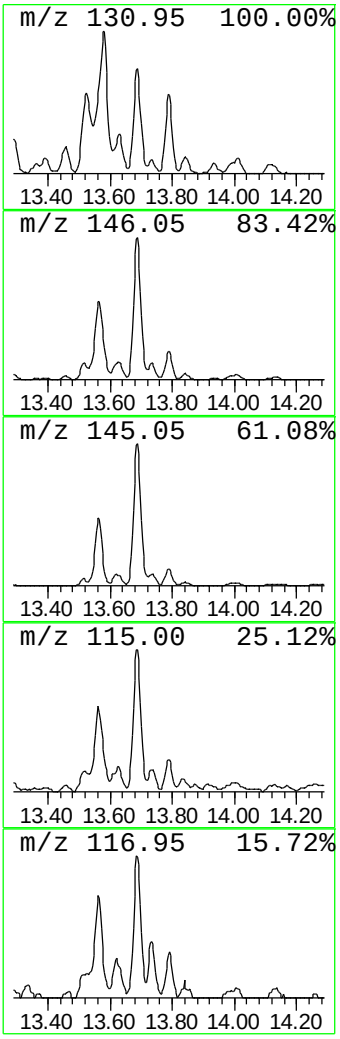
Peak Number 24 2-(2-Hydroxyphenyl)buta-1,3... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	0.76 ug/L	62221	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	91
2	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	83
3	3-Buten-2-one, 4-phenyl-, (E)-	146	C10H10O	001896-62-4	80
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	74
5	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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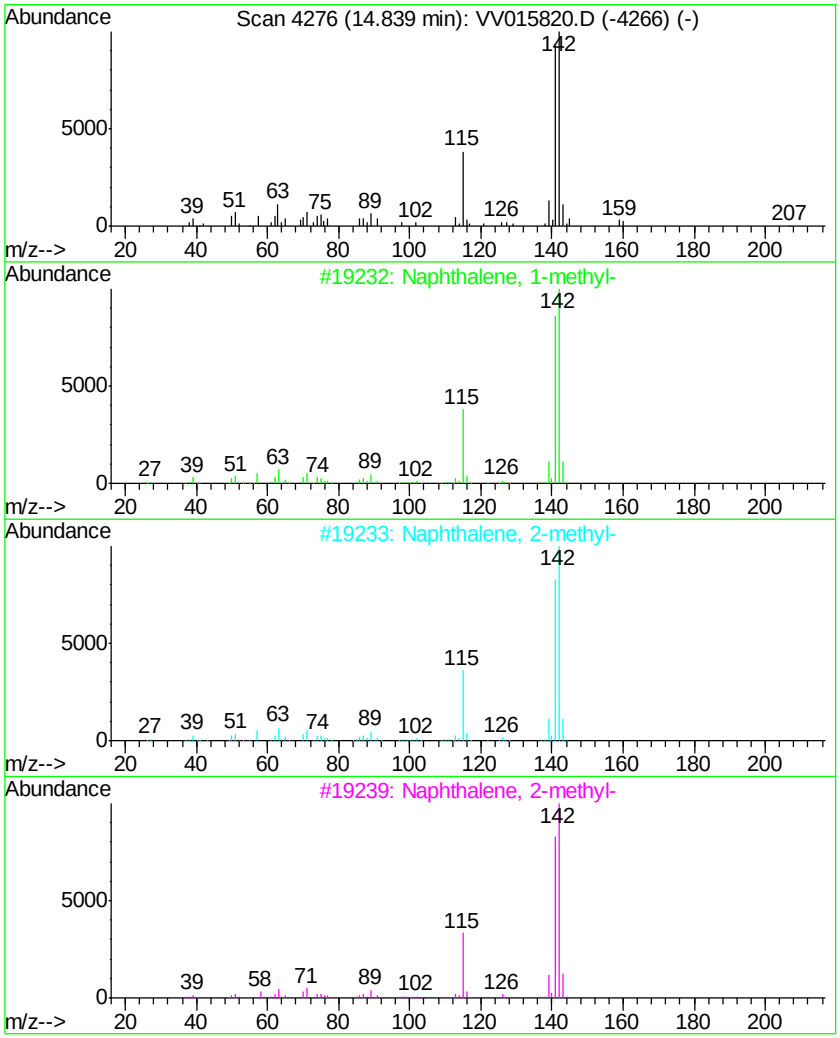
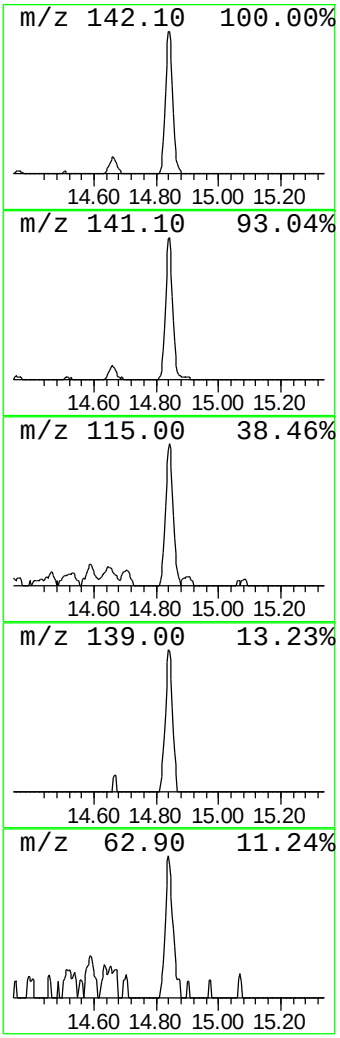
Peak Number 25 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	0.63 ug/L	51899	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015820.D
Acq On : 30 Apr 2020 04:03
Operator : SY/MD
Sample : L2431-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.43	0.6	ug/L	35544	1	5.64	312430	5.0
Isopropyl Alcohol	2.30	0.5	ug/L	33703	1	5.64	312430	5.0
Cyclopentanone, 2...	9.69	0.5	ug/L	42138	2	8.87	394849	5.0
Benzene, propyl-	10.38	0.5	ug/L	44143	3	11.27	410236	5.0
Benzene, 1-ethyl-...	10.50	1.2	ug/L	100789	3	11.27	410236	5.0
Benzene, 1-ethyl-...	10.76	0.7	ug/L	55289	3	11.27	410236	5.0
Benzene, 1,2,3-tr...	10.94	2.0	ug/L	164974	3	11.27	410236	5.0
Benzene, 1-ethyl-...	11.36	0.5	ug/L	43028	3	11.27	410236	5.0
Indane	11.55	3.2	ug/L	264600	3	11.27	410236	5.0
Indene	11.77	1.4	ug/L	116662	3	11.27	410236	5.0
Indan, 1-methyl-	12.14	0.7	ug/L	59448	3	11.27	410236	5.0
Benzofuran, 7-met...	12.38	1.4	ug/L	117285	3	11.27	410236	5.0
Benzofuran, 2-met...	12.53	5.3	ug/L	431624	3	11.27	410236	5.0
1H-Indene, 2,3-di...	12.75	1.0	ug/L	82368	3	11.27	410236	5.0
2,4-Dimethylstyrene	12.91	1.8	ug/L	148876	3	11.27	410236	5.0
2-Methylindene	12.97	1.0	ug/L	84543	3	11.27	410236	5.0
1H-Indene, 1-methyl-	13.08	1.9	ug/L	156188	3	11.27	410236	5.0
unknown-01	13.29	0.6	ug/L	51980	3	11.27	410236	5.0
Azulene	13.52	2.0	ug/L	165674	3	11.27	410236	5.0
1H-Benzimidazole,...	13.56	2.0	ug/L	160478	3	11.27	410236	5.0
Benzonitrile, 4-(...	13.68	3.1	ug/L	257463	3	11.27	410236	5.0
2-(2-Hydroxypheny...	13.79	0.8	ug/L	62221	3	11.27	410236	5.0
Naphthalene, 1-me...	14.84	0.6	ug/L	51899	3	11.27	410236	5.0