LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

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\SOMVTR060419WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.113	4	7	19	rVB3	12830	16623	2.60%	0.229%
2	1.312	43	69	82	rBV3	180109	581909	91.08%	8.029%
3	1.576	145	151	164	rVB	79733	90300	14.13%	1.246%
4	2.123	312	321	332	rVB	185665	260318	40.74%	3.592%
5	2.309	372	379	393	rVB	47521	71162	11.14%	0.982%
6	2.650	476	485	496	rVB2	21142	42024	6.58%	0.580%
7	2.769	496	522	526	rBV2	73406	247107	38.68%	3.409%
8	3.753	814	828	830	rBV5	13137	19894	3.11%	0.274%
9	3.975	881	897	916	rBV2	45258	183307	28.69%	2.529%
10	4.396	1011	1028	1047	rBV	105633	261931	41.00%	3.614%
11	5.090	1226	1244	1268	rBV2	274349	638924	100.00%	8.815%
12	5.663	1406	1422	1440	rBV	197510	410423	64.24%	5.663%
13	6.071	1538	1549	1552	rBV4	18457	26807	4.20%	0.370%
14	6.116	1553	1563	1594	rVB	151441	322590	50.49%	4.451%
15	6.634	1712	1724	1738	rVB2	22716	45151	7.07%	0.623%
16	7.029	1834	1847	1866	rBV2	73558	136877	21.42%	1.889%
17	7.357	1931	1949	1969	rBV	303518	575033	90.00%	7.934%
18	7.662	2032	2044	2057	rBV2	40524	70218	10.99%	0.969%
19	8.138	2179	2192	2204	rBV	282669	520902	81.53%	7.187%
20	8.286	2232	2238	2249	rVB8	8327	13916	2.18%	0.192%
21	8.428	2271	2282	2297	rBV3	6456	16368	2.56%	0.226%
22	8.894	2413	2427	2454	rBV	286776	505923	79.18%	6.980%
23	9.145	2493	2505	2521	rVB	171244	272469	42.64%	3.759%
24	9.267	2530	2543	2557	rBV8	9725	26931	4.22%	0.372%
25	9.749	2684	2693	2704	rBV	27771	50685	7.93%	0.699%
26	9.852	2718	2725	2732	rBV	5571	9416	1.47%	0.130%
27	10.084	2782	2797	2805	rBV	5980	13307	2.08%	0.184%
28	10.260	2839	2852	2864	rBV	95959	152798	23.91%	2.108%
29	10.627	2955	2966	2979	rBV2	13103	23371	3.66%	0.322%
30	10.788	3004	3016	3020	rBV2	4598	8082	1.26%	0.112%
31	10.981	3069	3076	3088	rVB3	7636	12528	1.96%	0.173%
32	11.084	3099	3108	3119	rBV2	26378	44081	6.90%	0.608%
33	11.196	3130	3143	3152	rBV7	14992	26126	4.09%	0.360%
34	11.293	3162	3173	3190	rVB	291064	464436	72.69%	6.408%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

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\SOMVTR060419WMA.M
Title : TRACE VOA SOM01.0

35	11.576	3249	3261	3268	rBV5	8956	16623	2.60%	0.229%
36	11.669	3279	3290	3306	rBV	279674	450657	70.53%	6.218%
37	11.817	3324	3336	3343	rBV5	5649	9783	1.53%	0.135%
38	11.865	3343	3351	3372	rVB8	14069	28727	4.50%	0.396%
39	12.280	3470	3480	3492	rBV2	25031	45297	7.09%	0.625%
40	12.392	3504	3515	3525	rBV4	36099	60179	9.42%	0.830%
41	13.485	3846	3855	3861	rBV9	5856	7698	1.20%	0.106%
42	13.678	3903	3915	3925	rBV2	59817	93390	14.62%	1.289%
43	14.492	4159	4168	4176	rBV2	5710	10498	1.64%	0.145%
44	15.170	4372	4379	4387	rBV9	6617	10509	1.64%	0.145%
45	15.611	4508	4516	4524	rBV6	11628	17046	2.67%	0.235%
46	15.823	4577	4582	4591	rVB6	4735	6559	1.03%	0.090%
47	16.238	4698	4711	4737	rBV2	137894	287395	44.98%	3.965%
48	16.360	4742	4749	4762	rVB3	24256	41554	6.50%	0.573%

Sum of corrected areas: 7247852

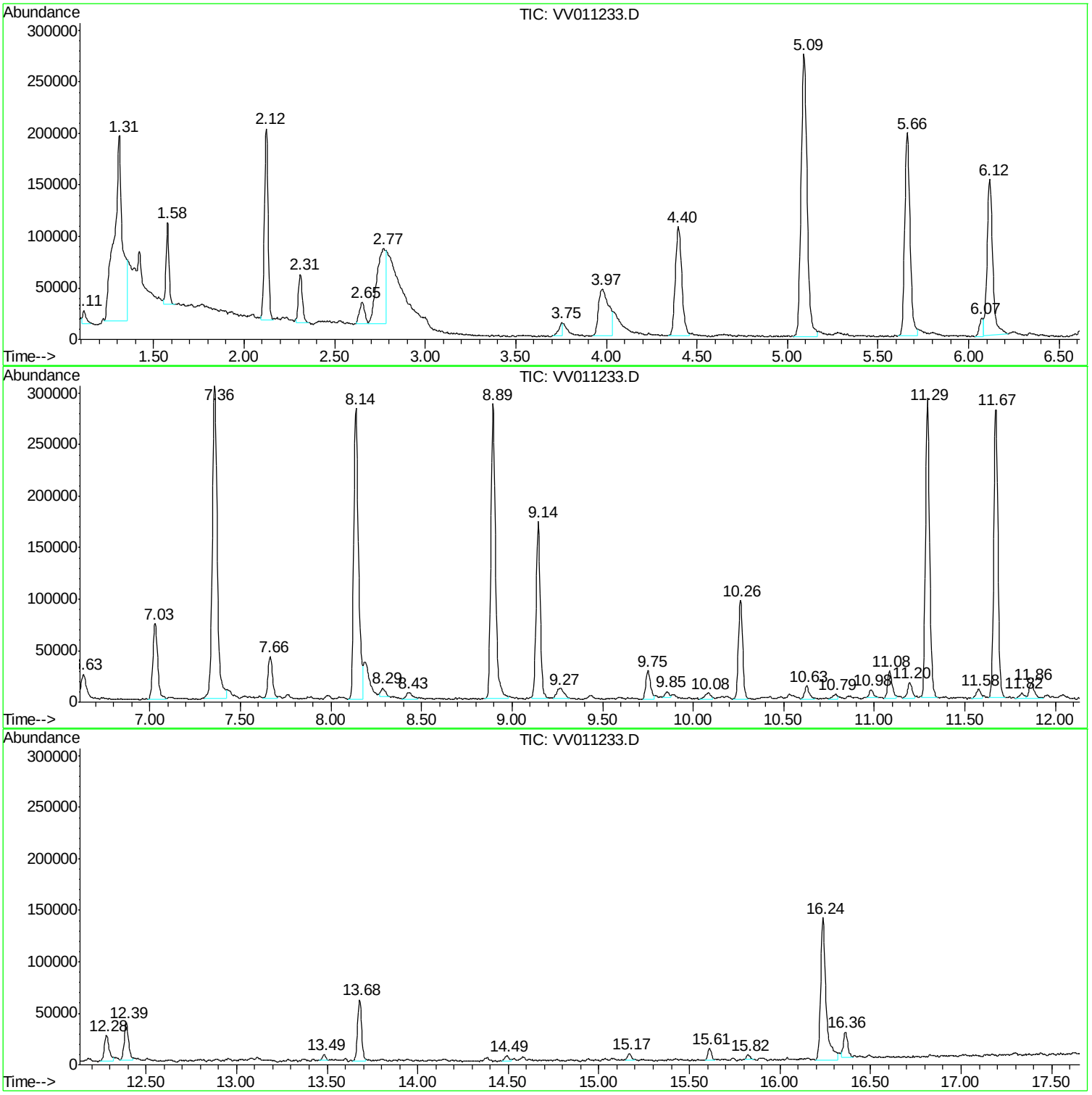
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

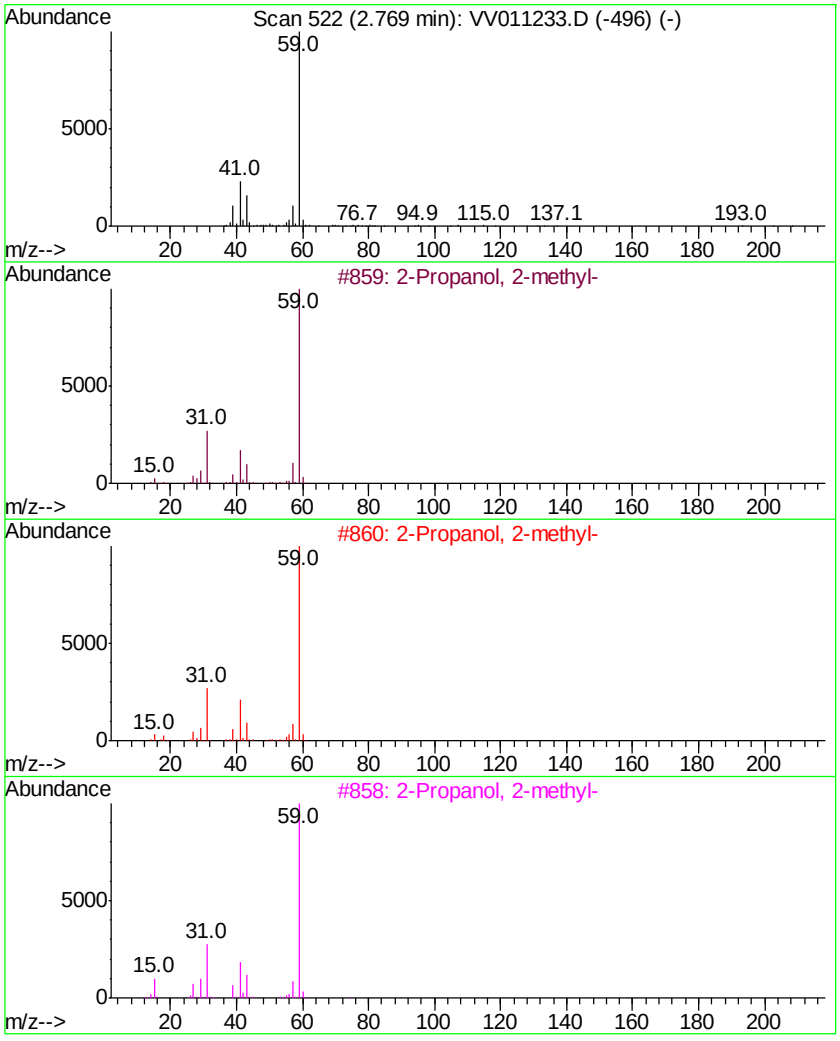
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

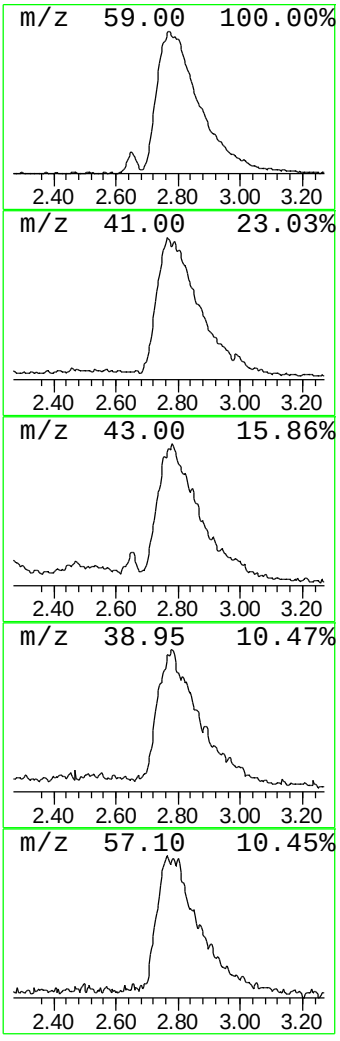
****

Peak Number 2 2-Propanol, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	3.01 ug/L	247107	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	72
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56
4	1,2-Butanediol	90	C4H10O2	000584-03-2	39
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

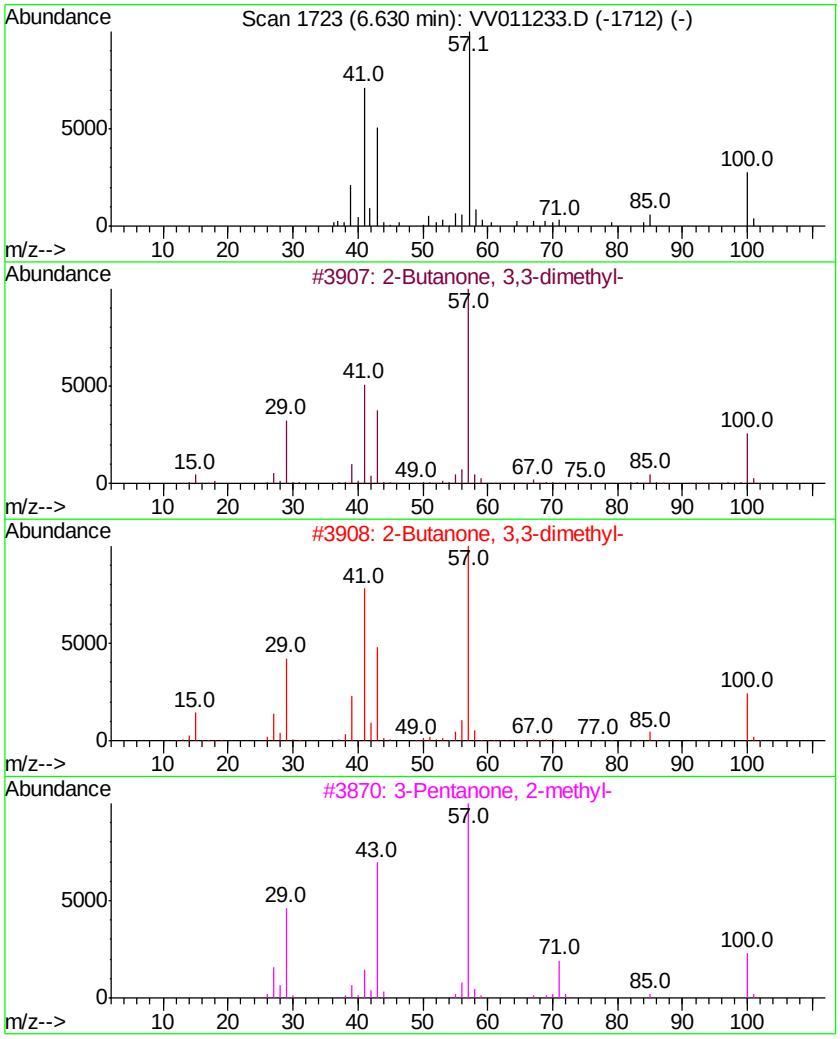
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

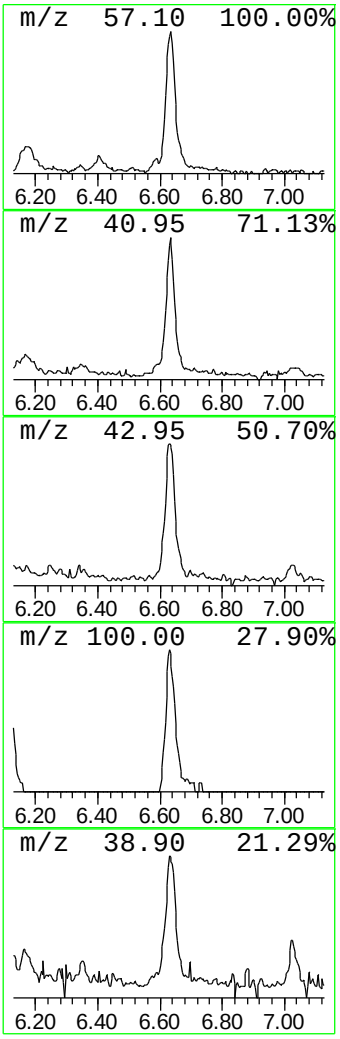
****

Peak Number 3 2-Butanone, 3,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	0.55 ug/L	45151	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	74
2	2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	64
3	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	59
4	3-Hexanone	100	C6H12O	000589-38-8	59
5	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

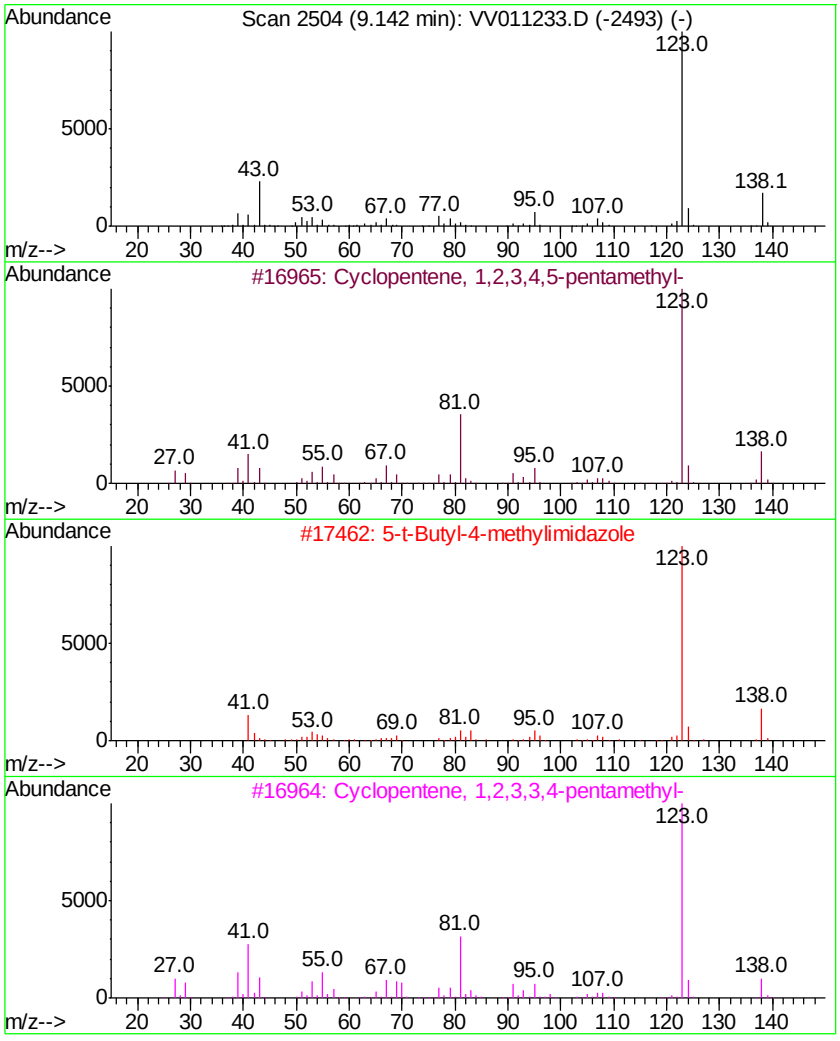
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

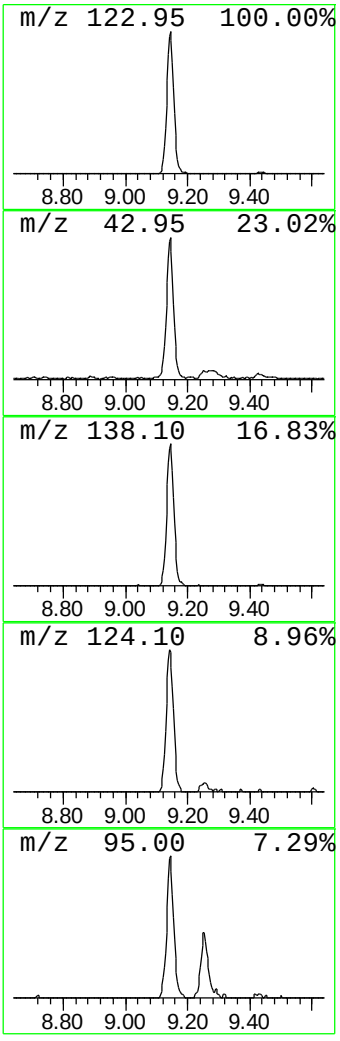
****

Peak Number 5 Cyclopentene, 1,2,3,4,5-pen... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	2.69 ug/L	272469	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3,4,5-pentamet...	138	C10H18	1000154-28-6	91
2	5-t-Butyl-4-methylimidazole	138	C8H14N2	146979-50-2	90
3	Cyclopentene, 1,2,3,3,4-pentamet...	138	C10H18	197390-29-7	78
4	1,3-Benzenediol, 4-ethyl-	138	C8H10O2	002896-60-8	72
5	1,6,6-Trimethyl-7-(3-oxobut-1-en...	236	C13H16O4	1000192-00-9	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

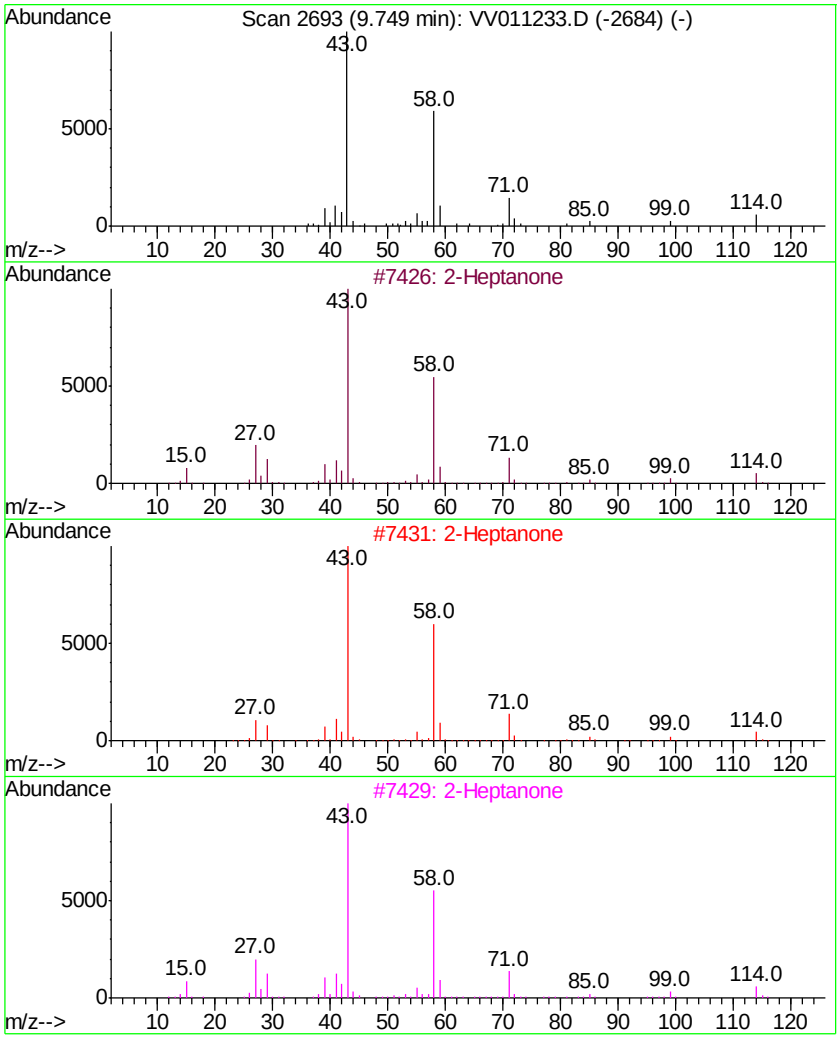
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

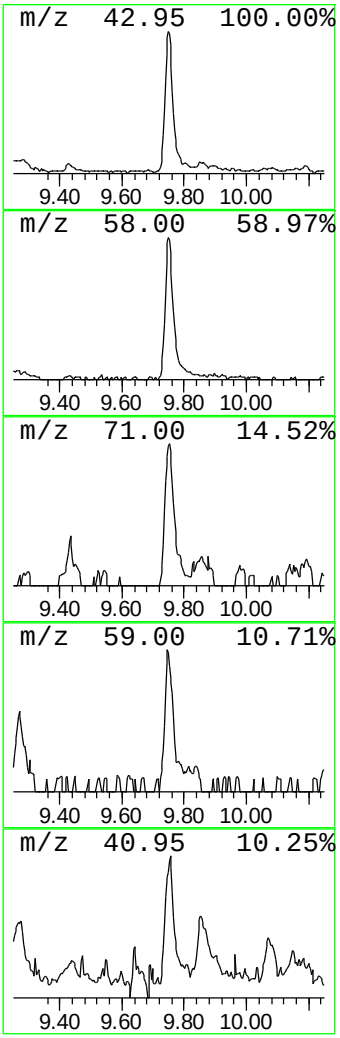
****

Peak Number 6 2-Heptanone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	0.50 ug/L	50685	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Heptanone	114	C7H14O	000110-43-0	91
3	2-Heptanone	114	C7H14O	000110-43-0	91
4	2-Heptanone	114	C7H14O	000110-43-0	80
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

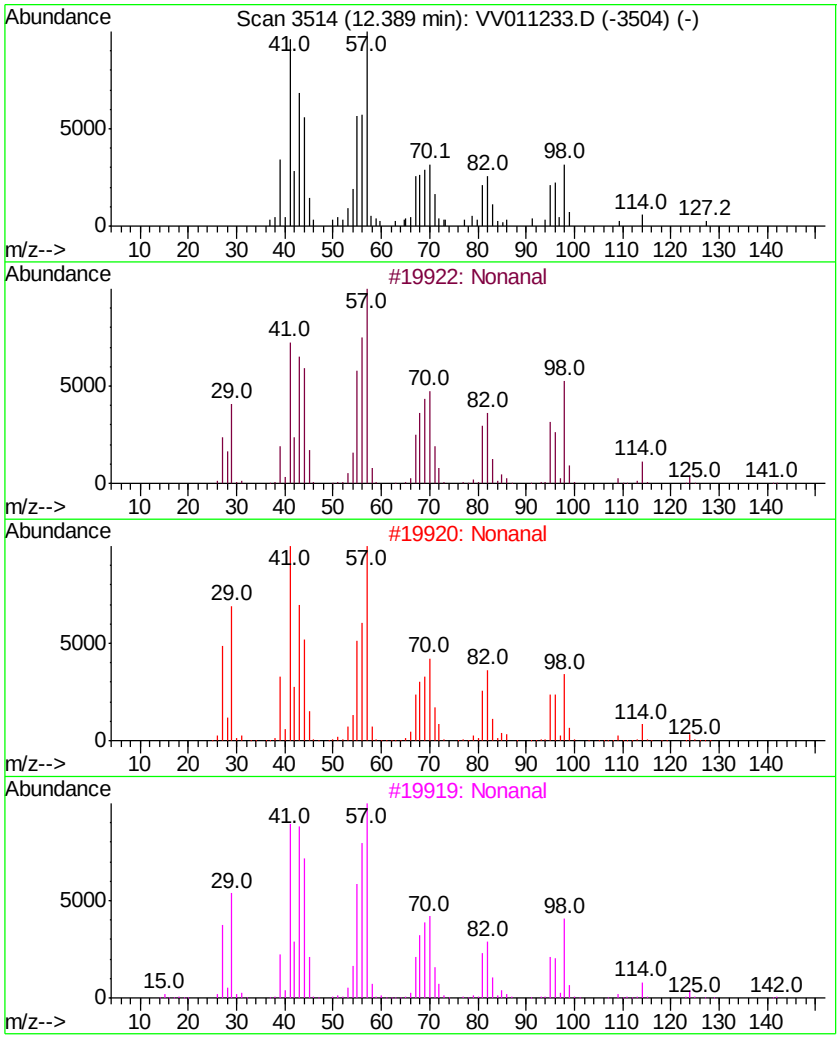
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

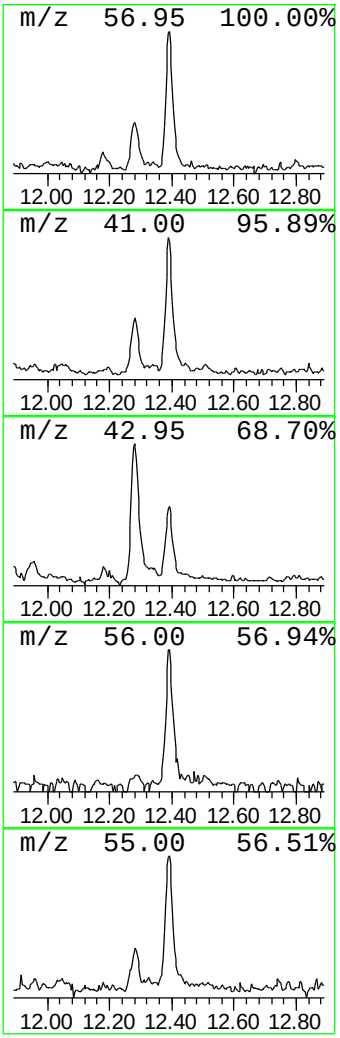
****

Peak Number 7 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	0.65 ug/L	60179	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	90
2	Nonanal	142	C9H18O	000124-19-6	87
3	Nonanal	142	C9H18O	000124-19-6	80
4	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	38
5	2,7-Octadiene, 4-methyl-	124	C9H16	1000061-78-0	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

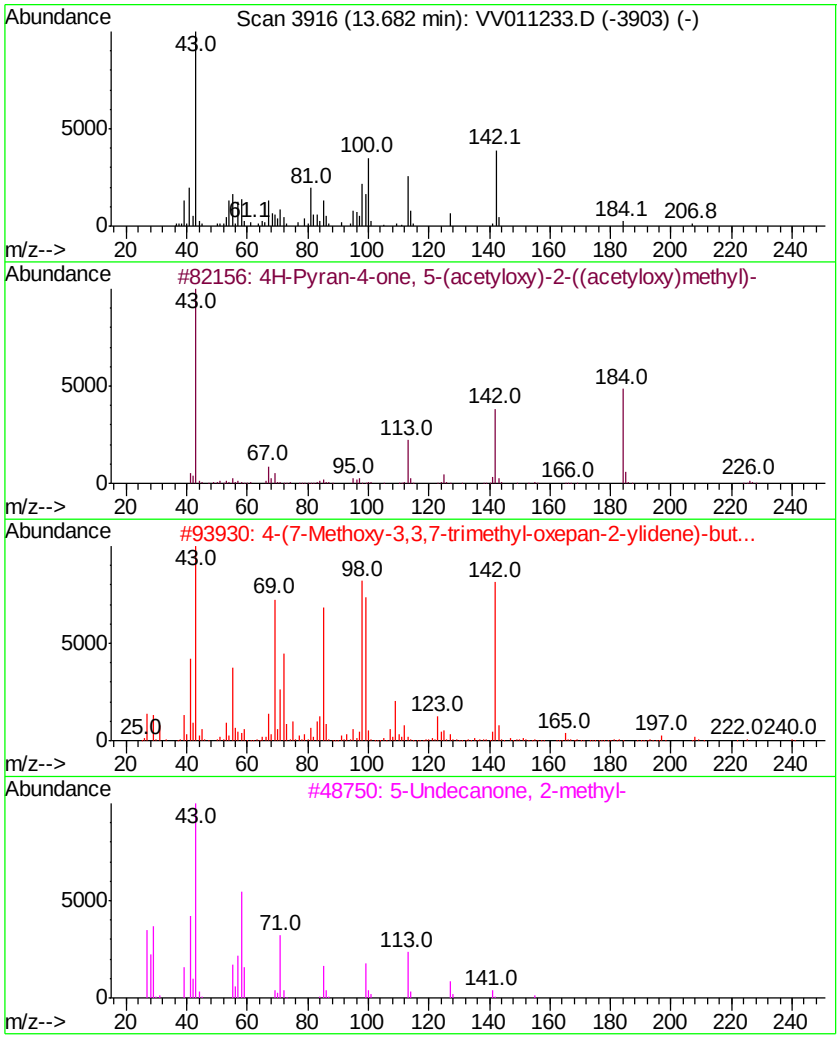
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

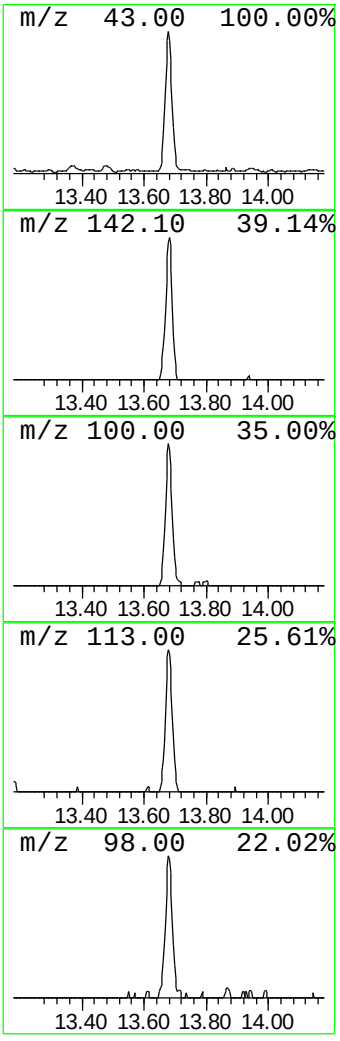
****

Peak Number 8 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	1.01 ug/L	93390	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Pyran-4-one, 5-(acetyloxy)-2-...	226	C10H10O6	026209-93-8	27
2	4-(7-Methoxy-3,3,7-trimethyl-oxe...	240	C14H24O3	107675-07-0	25
3	5-Undecanone, 2-methyl-	184	C12H24O	050639-02-6	16
4	6,8-Dioxabicyclo[3.2.1]octane, 1...	142	C8H14O2	028401-39-0	12
5	6-Dodecanone	184	C12H24O	006064-27-3	12





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

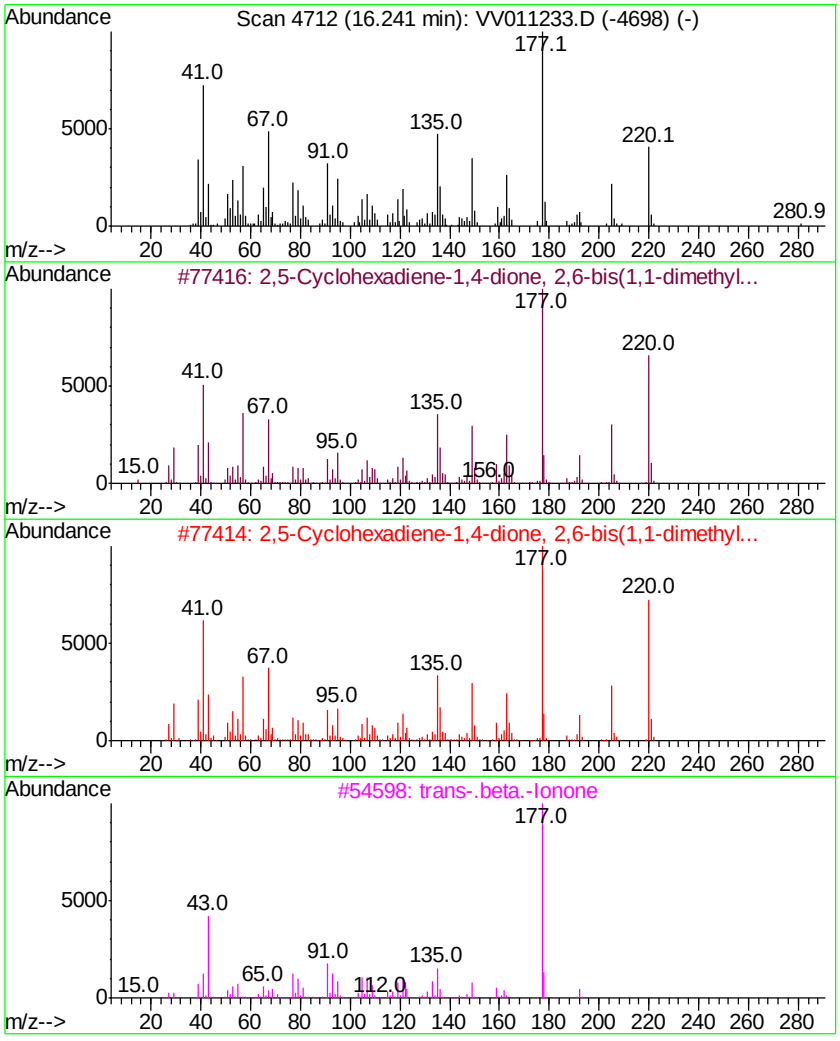
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

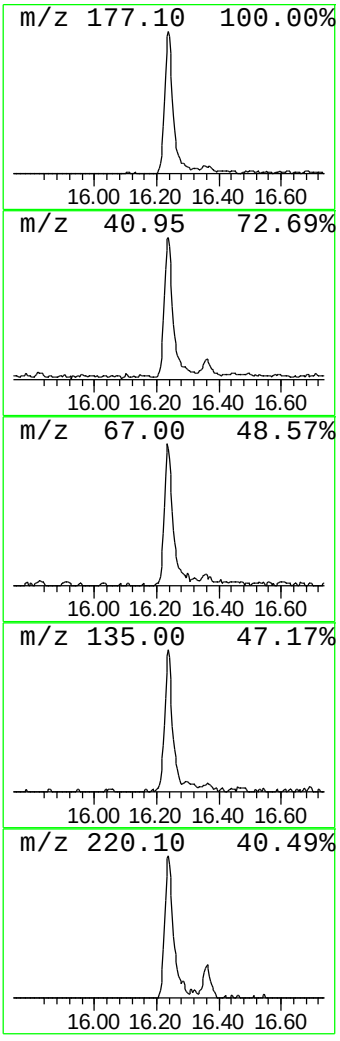
****

Peak Number 9 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	3.09 ug/L	287395	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	96
2	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	94
3	trans-.beta.-Ionone	192	C13H20O	000079-77-6	38
4	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	38
5	2H-1-Benzopyran, 3,5,6,8a-tetrah...	192	C13H20O	041678-29-9	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060519\
Data File : VV011233.D
Acq On : 05 Jun 2019 16:49
Operator : SY/MD
Sample : K3197-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.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
2-Propanol, 2-met...	2.77	3.0	ug/L	247107	1	5.66	410423	5.0
2-Butanone, 3,3-d...	6.63	0.6	ug/L	45151	1	5.66	410423	5.0
Cyclopentene, 1,2...	9.14	2.7	ug/L	272469	2	8.89	505923	5.0
2-Heptanone	9.75	0.5	ug/L	50685	2	8.89	505923	5.0
Nonanal	12.39	0.7	ug/L	60179	3	11.30	464436	5.0
unknown-01	13.68	1.0	ug/L	93390	3	11.30	464436	5.0
2,5-Cyclohexadien...	16.24	3.1	ug/L	287395	3	11.30	464436	5.0