LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

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\SOMVTR122719WMA.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	1.119	3	9	11	rBV	208873	192717	7.42%	0.869%
2	1.225	37	42	46	rBV	67889	60497	2.33%	0.273%
3	1.251	46	50	59	rVV	77954	91479	3.52%	0.412%
4	1.315	61	70	77	rVB2	90961	153508	5.91%	0.692%
5	1.396	89	95	113	rBV	134191	222273	8.55%	1.002%
6	1.582	146	153	165	rVB	256751	302086	11.62%	1.362%
7	2.315	374	381	391	rVB	104849	155573	5.99%	0.701%
8	2.769	511	522	537	rBV	43154	93249	3.59%	0.420%
9	2.991	583	591	609	rVB	88391	177248	6.82%	0.799%
10	3.759	814	830	847	rBV9	36072	114726	4.41%	0.517%
11	3.949	876	889	910	rBV	205480	653760	25.16%	2.947%
12	4.399	1013	1029	1053	rBV	464354	1200262	46.19%	5.411%
13	5.090	1226	1244	1273	rBV2	1027997	2598624	100.00%	11.715%
14	5.367	1316	1330	1358	rBV2	193889	465457	17.91%	2.098%
15	5.550	1376	1387	1399	rBV2	71965	155080	5.97%	0.699%
16	5.659	1408	1421	1441	rBV	829741	1631907	62.80%	7.357%
17	5.958	1504	1514	1529	rVB2	57575	113961	4.39%	0.514%
18	6.113	1548	1562	1584	rBV	602727	1226243	47.19%	5.528%
19	6.338	1623	1632	1642	rBV3	34367	65724	2.53%	0.296%
20	7.029	1832	1847	1863	rVB2	87997	182474	7.02%	0.823%
21	7.273	1912	1923	1934	rBV2	108213	245183	9.44%	1.105%
22	7.334	1934	1942	1957	rVB2	99769	220882	8.50%	0.996%
23	7.482	1979	1988	2004	rVB2	41304	85704	3.30%	0.386%
24	7.662	2034	2044	2049	rBV	63894	103568	3.99%	0.467%
25	7.695	2050	2054	2067	rVV	58858	101346	3.90%	0.457%
26	8.064	2159	2169	2179	rBV5	19938	38615	1.49%	0.174%
27	8.132	2179	2190	2223	rVV	1054956	2046028	78.74%	9.224%
28	8.283	2229	2237	2252	rVB2	121867	204366	7.86%	0.921%
29	8.891	2411	2426	2443	rBV	1253718	2071076	79.70%	9.337%
30	8.974	2443	2452	2466	rVB	238618	411336	15.83%	1.854%
31	9.071	2473	2482	2493	rBV	24144	48482	1.87%	0.219%
32	9.315	2548	2558	2568	rBV	20657	33060	1.27%	0.149%
33	9.852	2715	2725	2737	rBV5	55950	96365	3.71%	0.434%
34	9.910	2737	2743	2753	rVB3	20127	30776	1.18%	0.139%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

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\SOMVTR122719WMA.M
Title : TRACE VOA SOM01.0

35	9.968	2753	2761	2771	rBV2	22376	42073	1.62%	0.190%
36	10.257	2840	2851	2864	rBV	418554	648827	24.97%	2.925%
37	10.328	2864	2873	2880	rVV	44773	67695	2.61%	0.305%
38	10.411	2880	2899	2911	rVV	193875	344207	13.25%	1.552%
39	10.530	2923	2936	2950	rBV3	50899	109137	4.20%	0.492%
40	10.823	3021	3027	3034	rVB2	20939	32282	1.24%	0.146%
41	10.958	3058	3069	3090	rBV	436258	781944	30.09%	3.525%
42	11.193	3134	3142	3154	rBV3	68267	105637	4.07%	0.476%
43	11.289	3159	3172	3195	rVB	1224860	1896255	72.97%	8.548%
44	11.460	3214	3225	3233	rBV	120654	181171	6.97%	0.817%
45	11.505	3235	3239	3249	rVB4	27006	36959	1.42%	0.167%
46	11.579	3250	3262	3277	rBV2	83515	176104	6.78%	0.794%
47	11.665	3277	3289	3306	rBV	1073592	1715615	66.02%	7.734%
48	11.942	3365	3375	3384	rBV	19862	34844	1.34%	0.157%
49	12.386	3504	3513	3533	rBV2	184486	267970	10.31%	1.208%
50	13.476	3844	3852	3867	rVB4	74763	115167	4.43%	0.519%
51	13.591	3878	3888	3896	rVB4	20403	32885	1.27%	0.148%

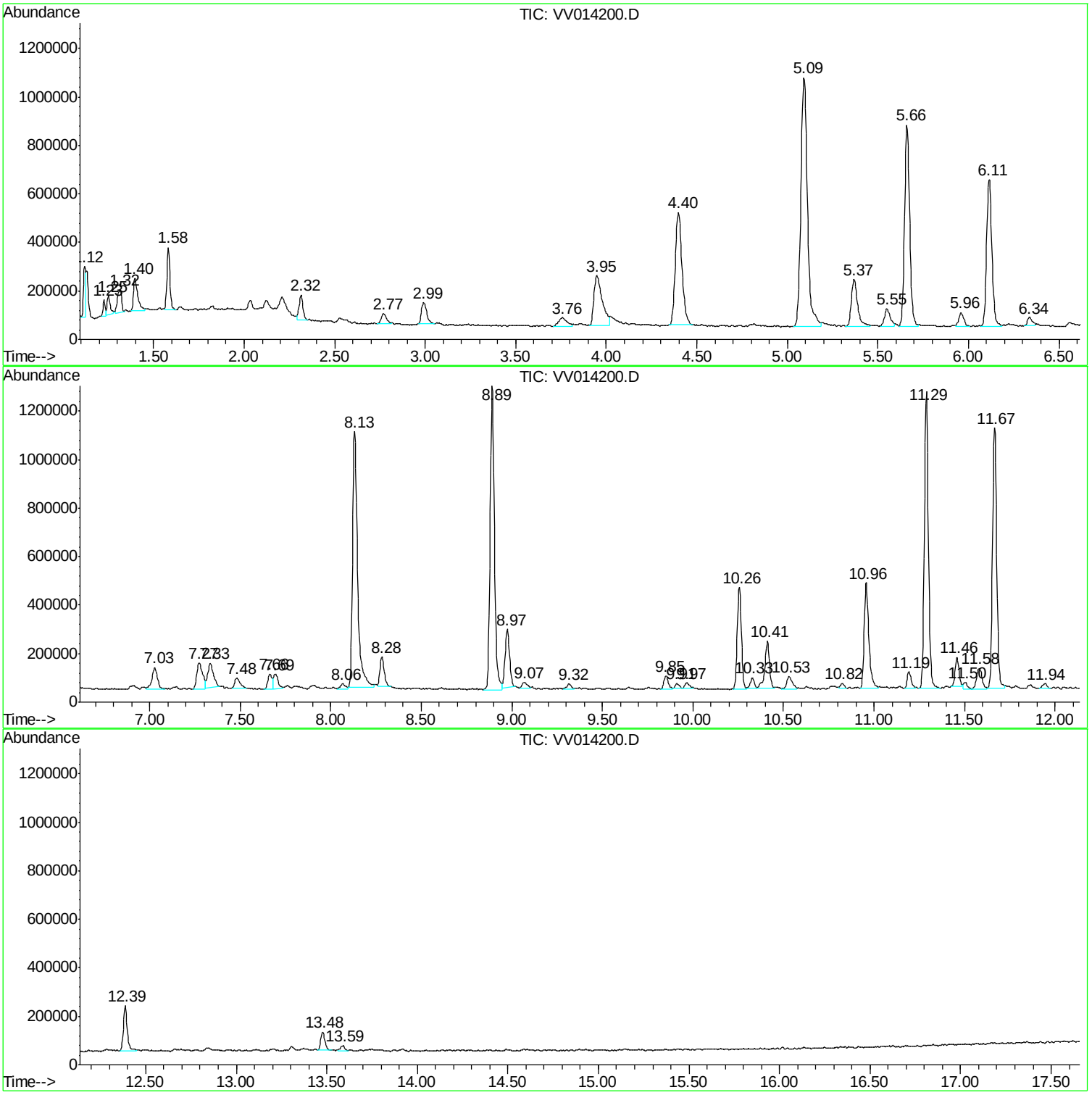
Sum of corrected areas: 22182407

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF6X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.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\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

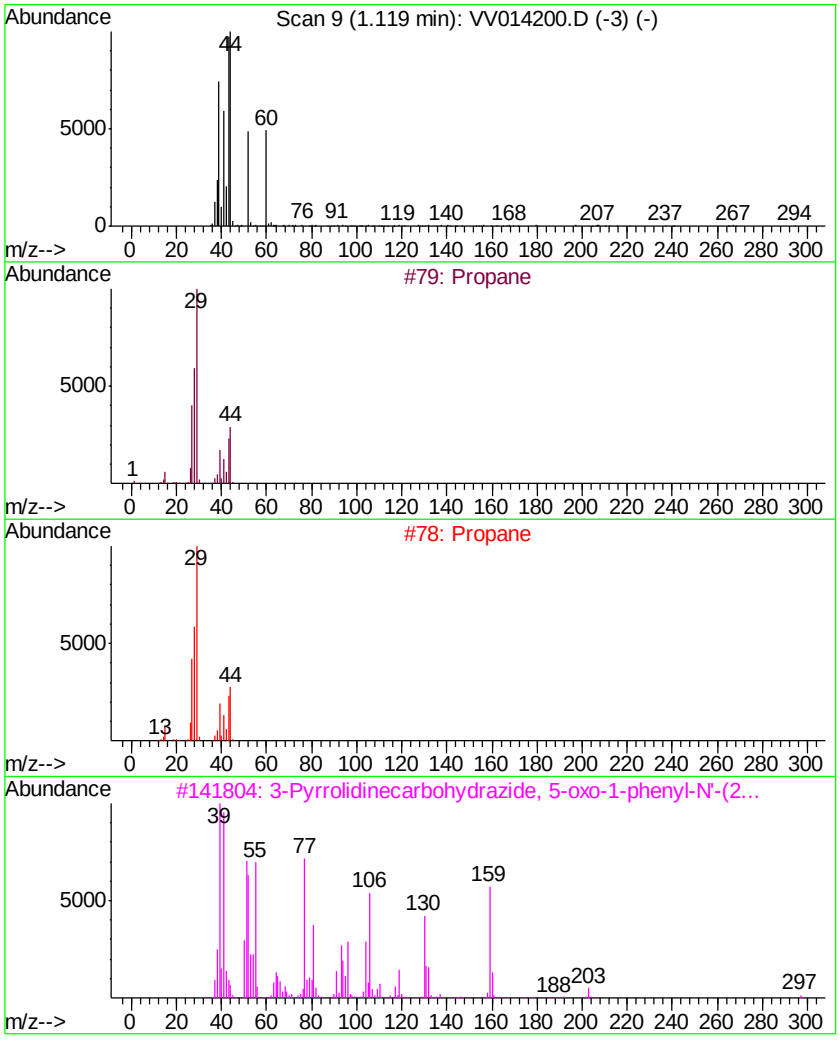
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

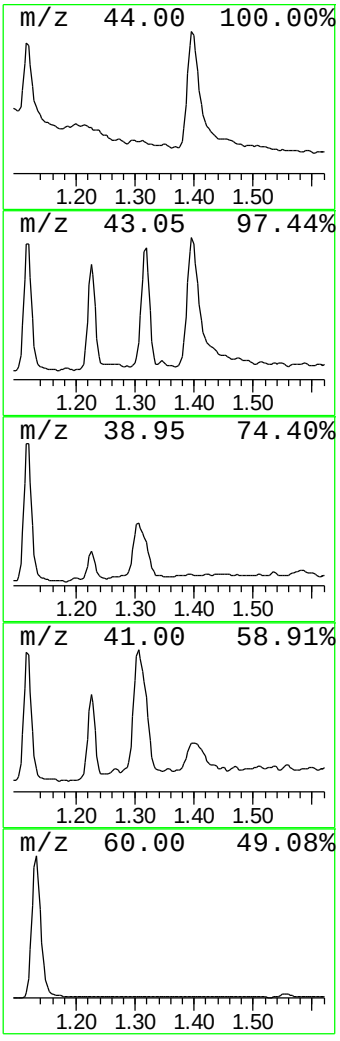
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.12	0.59 ug/L	192717	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	53
2	Propane	44	C3H8	000074-98-6	53
3	3-Pyrrolidinecarbohydrazide, 5-o...	297	C16H15N3O3	1000296-42-5	45
4	2-Oxabicyclo[2.2.0]hex-5-en-3-one	96	C5H4O2	022980-23-0	36
5	Chromium, bis[.mu.-[(1-.eta.:2,3...	268	C12H20Cr2	012295-17-9	36





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

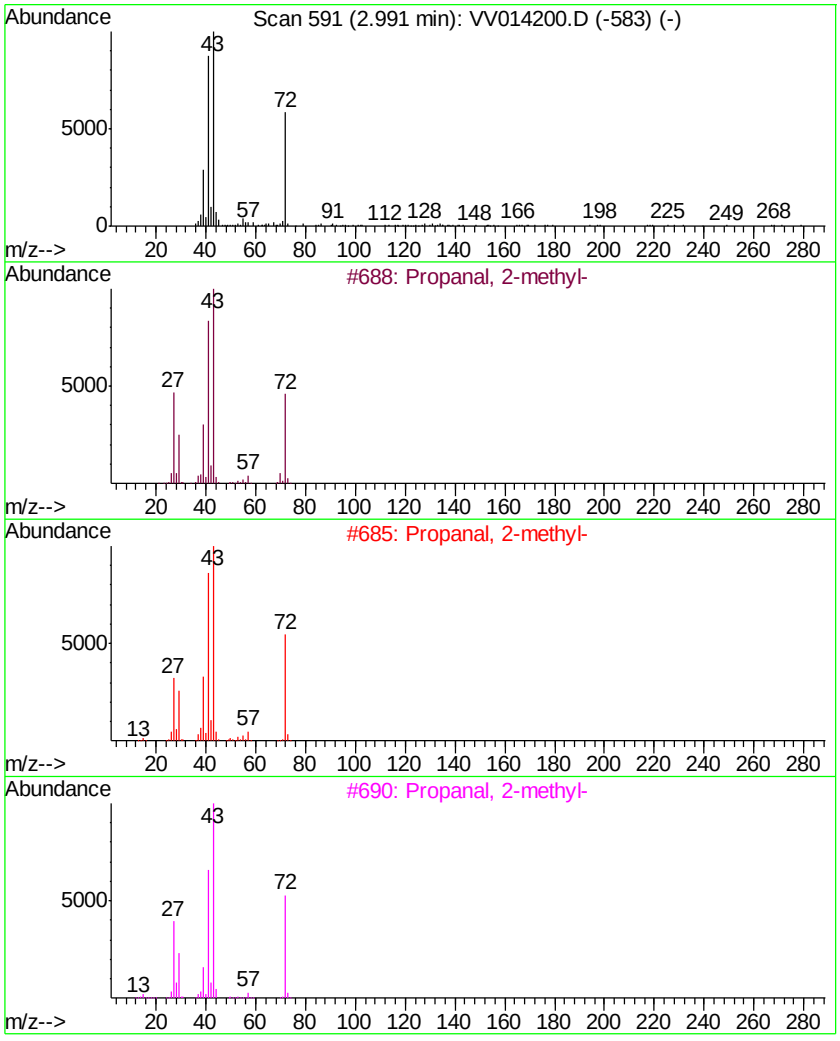
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

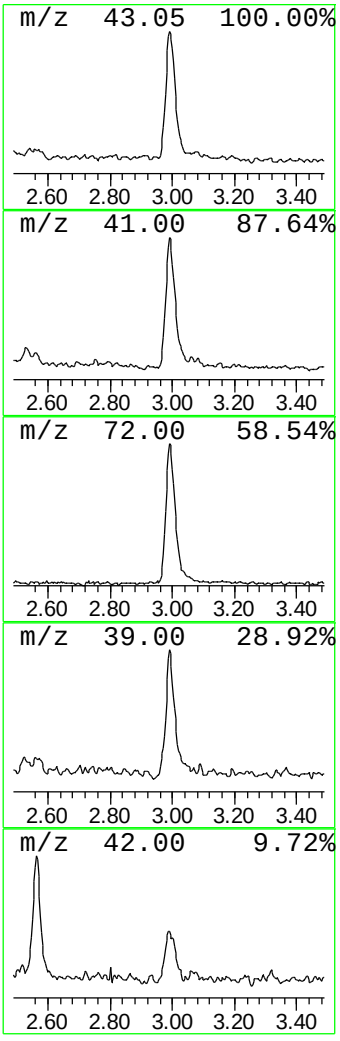
****

Peak Number 3 Propanal, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	0.54 ug/L	177248	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	80
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	80
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	72
4	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	50
5	Isobutylene epoxide	72	C4H8O	000558-30-5	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

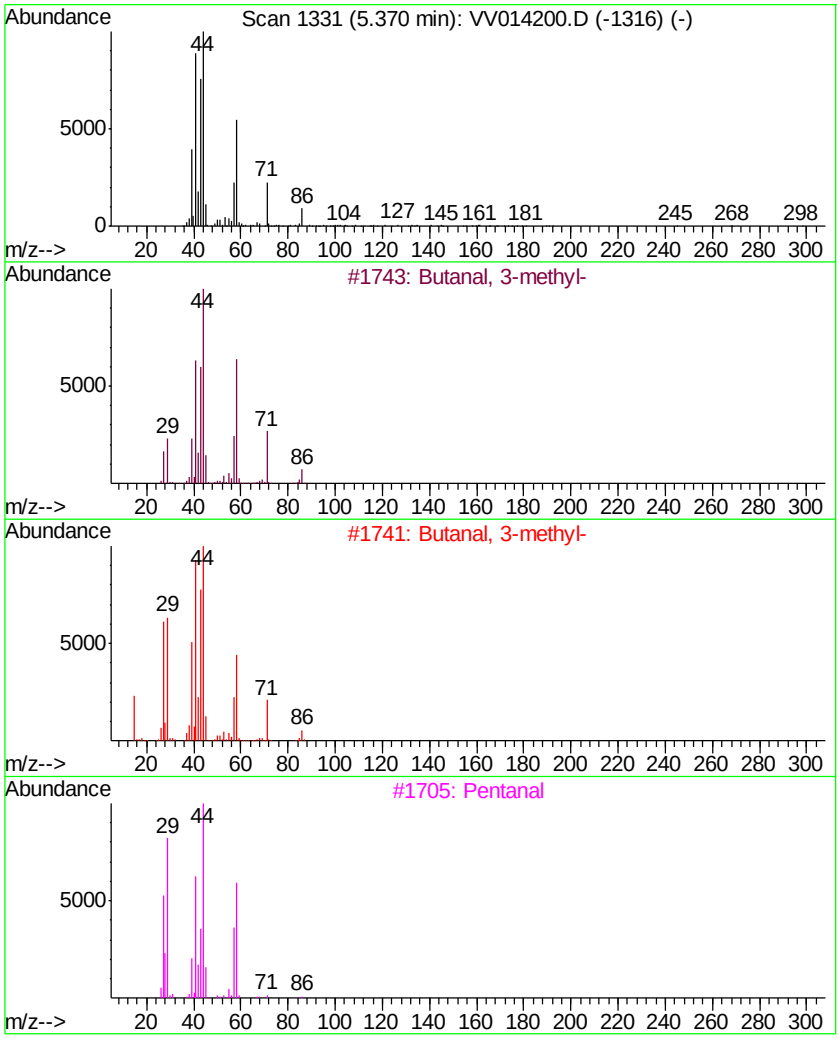
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

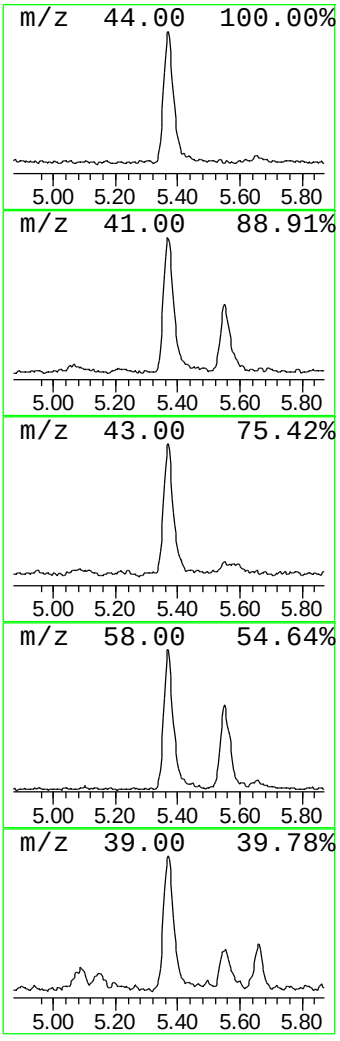
****

Peak Number 4 Butanal, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	1.43 ug/L	465457	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	76
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	74
3	Pentanal	86	C5H10O	000110-62-3	47
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	42
5	Pentanal	86	C5H10O	000110-62-3	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

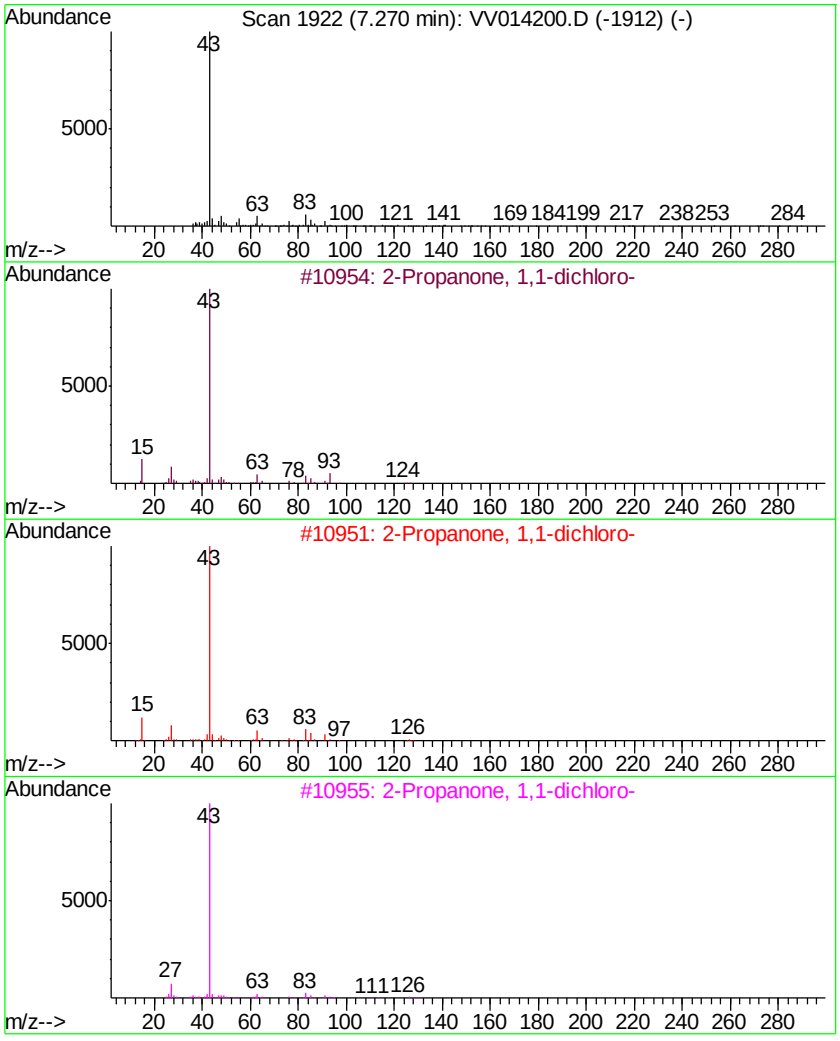
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

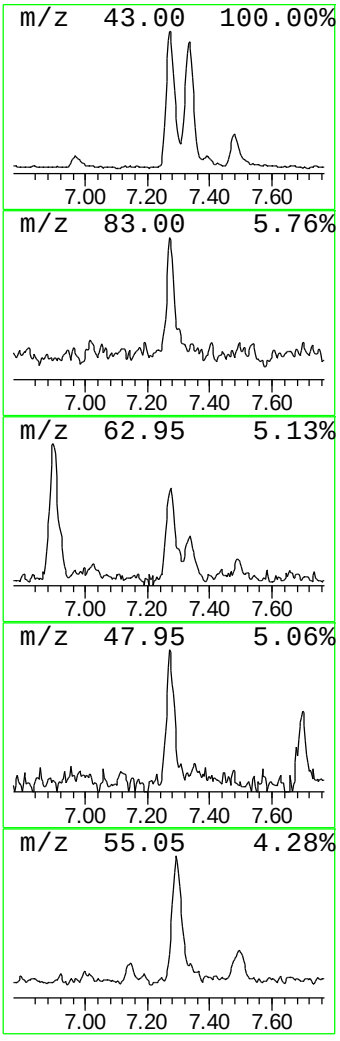
****

Peak Number 6 2-Propanone, 1,1-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	0.75 ug/L	245183	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	78
2	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	72
3	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	64
4	Acetyl chloride	78	C2H3ClO	000075-36-5	32
5	Ethanol, 2-chloro-, acetate	122	C4H7ClO2	000542-58-5	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

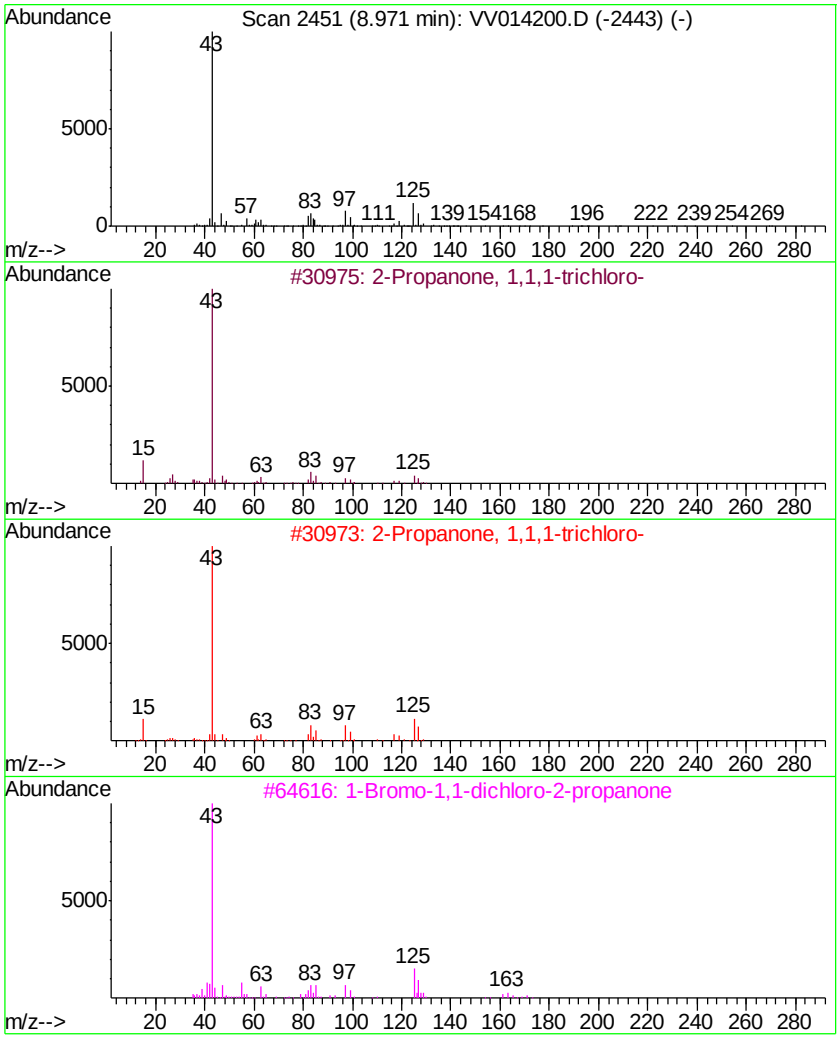
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

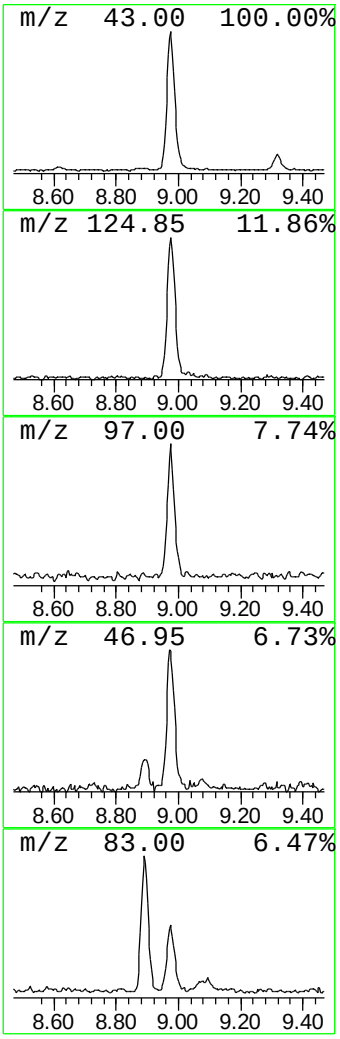
****

Peak Number 7 2-Propanone, 1,1,1-trichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	0.99 ug/L	411336	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	72
2	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	50
3	1-Bromo-1,1-dichloro-2-propanone	204	C3H3BrCl2O	001751-16-2	39
4	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	25
5	Trichloroacetic acid, propyl ester	204	C5H7Cl3O2	013313-91-2	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

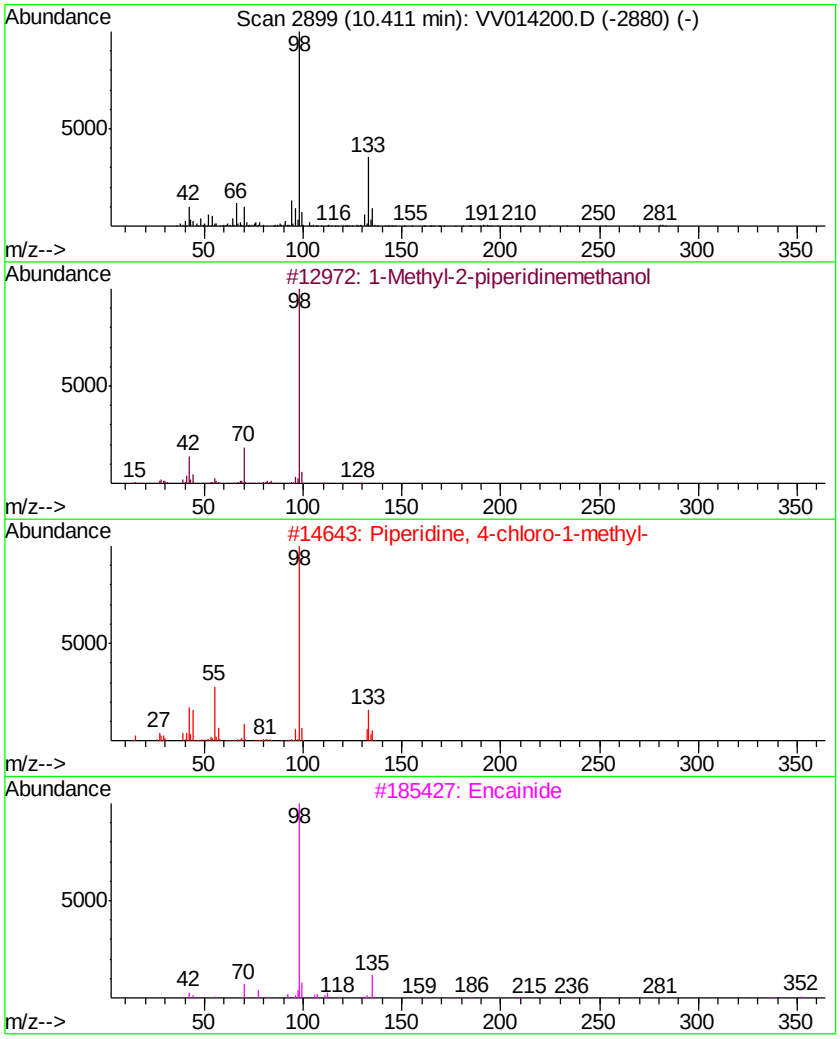
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

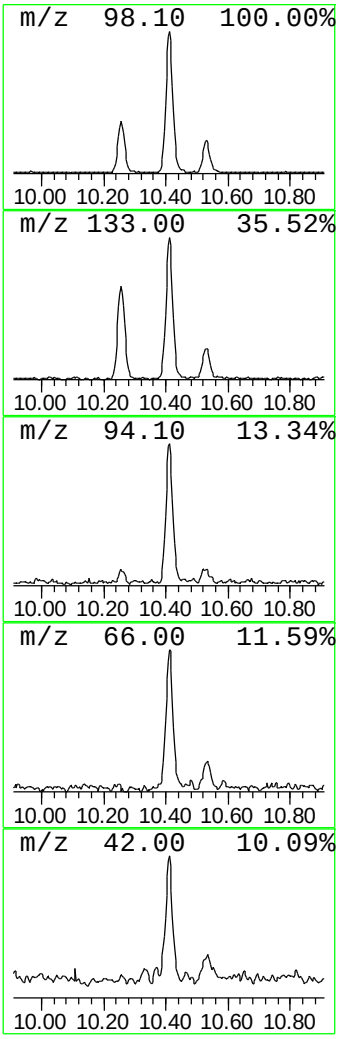
****

Peak Number 8 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	0.91 ug/L	344207	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-2-piperidinemethanol	129	C7H15NO	020845-34-5	47
2	Piperidine, 4-chloro-1-methyl-	133	C6H12ClN	005570-77-4	45
3	Encainide	352	C22H28N2O2	037612-13-8	40
4	Mepivacaine	246	C15H22N2O	000096-88-8	38
5	2-[3,4-Dichlorophenyl-4-[[[1-met...	467	C17H18Cl5N5	061362-15-0	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

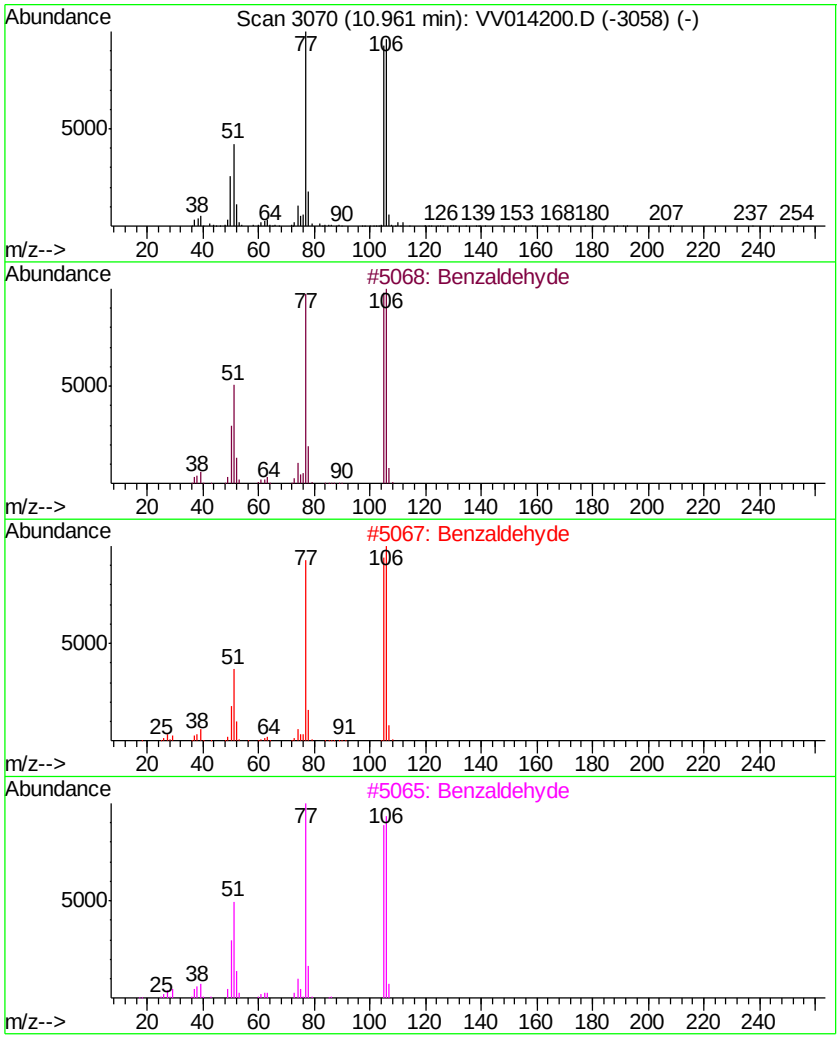
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

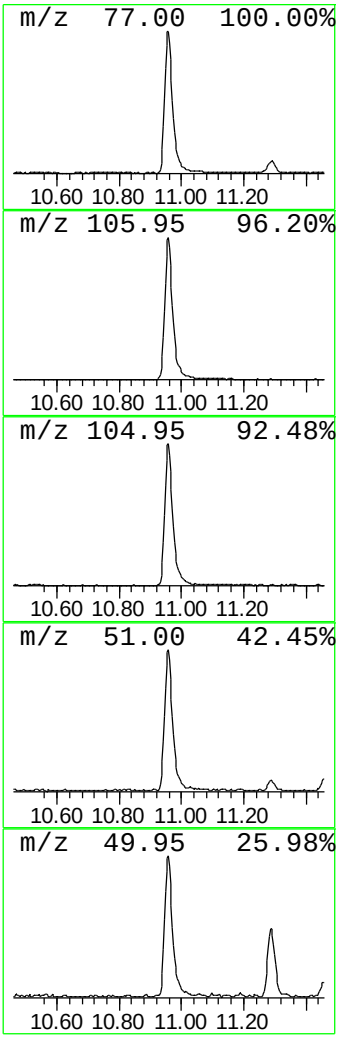
****

Peak Number 9 Benzaldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	2.06 ug/L	781944	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde	106	C7H6O	000100-52-7	97
2	Benzaldehyde	106	C7H6O	000100-52-7	97
3	Benzaldehyde	106	C7H6O	000100-52-7	95
4	Benzaldehyde	106	C7H6O	000100-52-7	94
5	Benzeneacetonitrile, .alpha.-hyd...	133	C8H7NO	000532-28-5	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

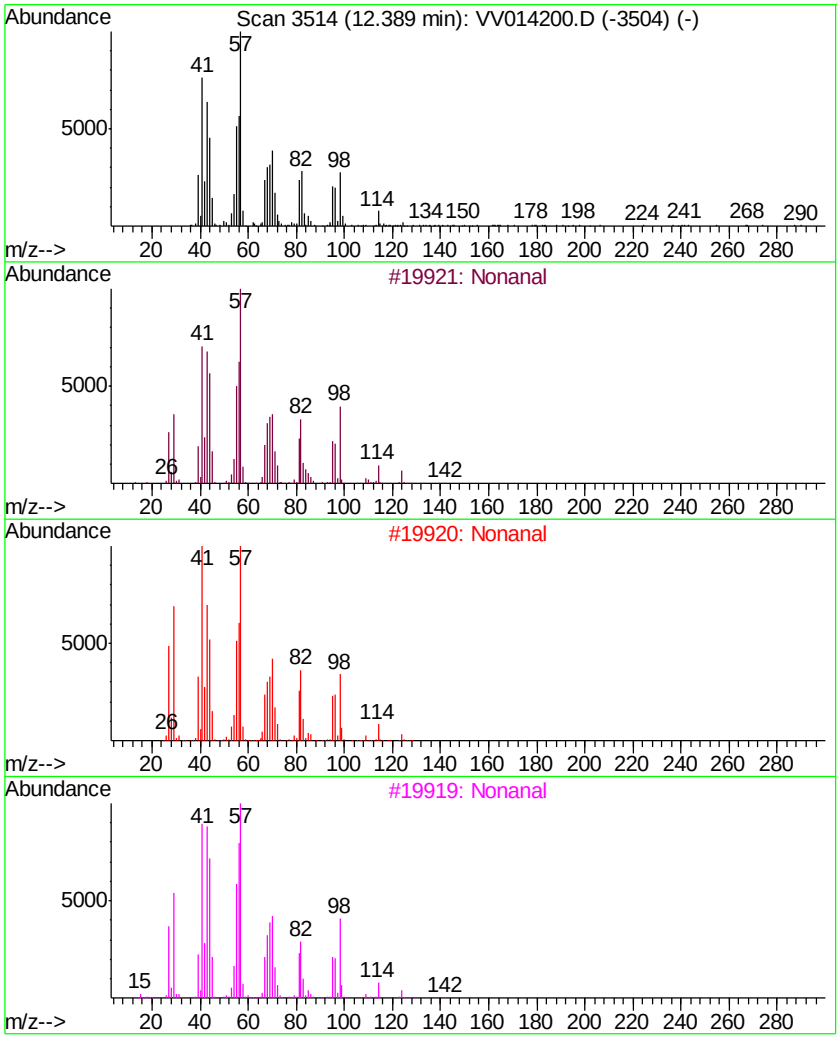
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

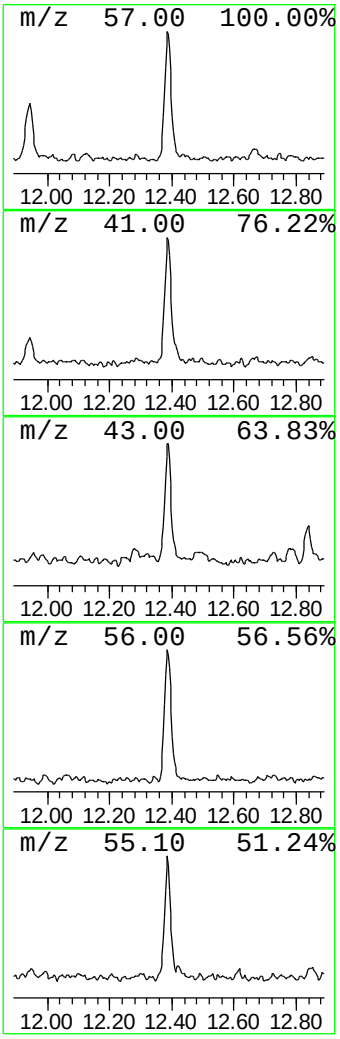
****

Peak Number 10 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	0.71 ug/L	267970	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Nonanal	142	C9H18O	000124-19-6	91
3	Nonanal	142	C9H18O	000124-19-6	86
4	2-Nonen-1-ol, (Z)-	142	C9H18O	041453-56-9	60
5	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV122719\
Data File : VV014200.D
Acq On : 27 Dec 2019 19:07
Operator : SY/MD
Sample : K6432-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.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
(DEL) Alkane: Str...	1.12	0.6	ug/L	192717	1	5.66	1631910	5.0
Propanal, 2-methyl-	2.99	0.5	ug/L	177248	1	5.66	1631910	5.0
Butanal, 3-methyl-	5.37	1.4	ug/L	465457	1	5.66	1631910	5.0
2-Propanone, 1,1-...	7.27	0.8	ug/L	245183	1	5.66	1631910	5.0
2-Propanone, 1,1,...	8.97	1.0	ug/L	411336	2	8.89	2071080	5.0
unknown-01	10.41	0.9	ug/L	344207	3	11.29	1896260	5.0
Benzaldehyde	10.96	2.1	ug/L	781944	3	11.29	1896260	5.0
Nonanal	12.39	0.7	ug/L	267970	3	11.29	1896260	5.0