LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032557.D
Acq On : 27 Sep 2018 20:09
Operator : SY/AP
Sample : J5136-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 249

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 01 06:49:26 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.030	13	29	45	rBV	2348699	3944189	6.10%	2.050%
2	3.249	86	97	114	rBV	2822890	4097521	6.34%	2.129%
3	3.364	122	133	141	rBV	1252251	1619560	2.51%	0.842%
4	3.917	294	305	324	rBV	1551706	2772100	4.29%	1.440%
5	4.085	347	357	374	rVB2	656926	937561	1.45%	0.487%
6	4.432	455	465	486	rVB	1971567	3098608	4.79%	1.610%
7	5.056	644	659	676	rBV	1080140	1959326	3.03%	1.018%
8	5.348	739	750	774	rVV	5004703	8956400	13.86%	4.654%
9	5.792	873	888	907	rBV3	3181001	6435264	9.96%	3.344%
10	7.322	1341	1364	1380	rBV	4264293	8017747	12.41%	4.166%
11	7.618	1444	1456	1480	rBV3	468889	988074	1.53%	0.513%
12	10.506	2338	2354	2369	rBV3	563291	1135069	1.76%	0.590%
13	10.596	2369	2382	2398	rVB4	399743	826021	1.28%	0.429%
14	11.859	2752	2775	2801	rBV2	6854006	18743796	29.00%	9.740%
15	12.271	2886	2903	2928	rBV	5210681	11596661	17.95%	6.026%
16	14.611	3612	3631	3655	rBV2	4477787	10235353	15.84%	5.319%
17	16.811	4301	4315	4332	rBV5	831319	1899480	2.94%	0.987%
18	16.910	4332	4346	4355	rVV2	659162	1533737	2.37%	0.797%
19	16.952	4355	4359	4377	rVB3	312163	661186	1.02%	0.344%
20	17.152	4400	4421	4446	rBV2	6181214	17816118	27.57%	9.258%
21	17.312	4446	4471	4507	rVV	20977840	64622796	100.00%	33.580%
22	18.380	4778	4803	4826	rBV3	3599596	9515211	14.72%	4.944%
23	18.634	4869	4882	4897	rVB4	244069	681555	1.05%	0.354%
24	19.705	5201	5215	5232	rBV5	1693863	3826223	5.92%	1.988%
25	21.679	5806	5829	5857	rVB2	1804997	5872364	9.09%	3.051%
26	25.219	6915	6930	6941	rBV5	343695	651943	1.01%	0.339%

Sum of corrected areas: 192443863

LSC Report - Integrated Chromatogram

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Data File : VL032557.D
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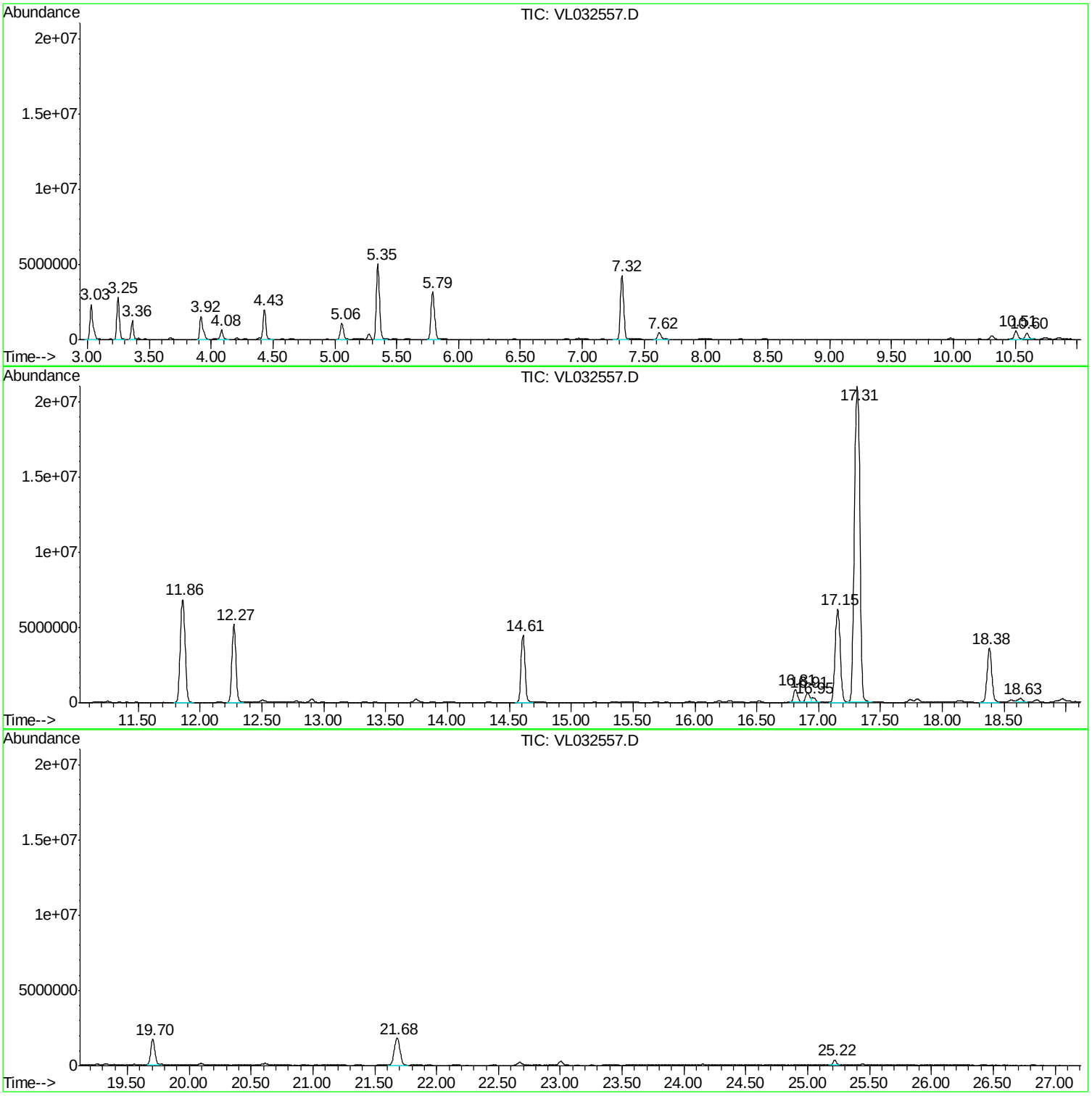
Operator : SY/AP
Sample : J5136-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 249

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032557.D
Acq On : 27 Sep 2018 20:09
Operator : SY/AP
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Misc : 400ml/MSVOA_L
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Instrument : MSVOA_L
ClientSampleId : 249

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018

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

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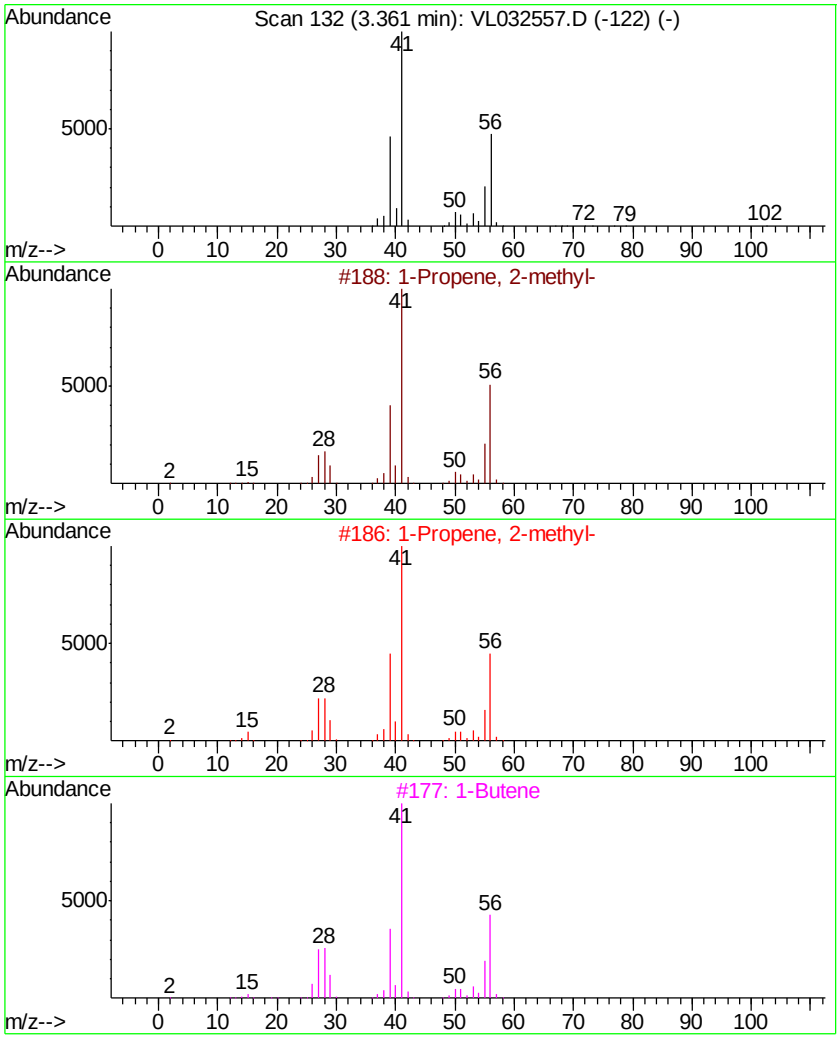
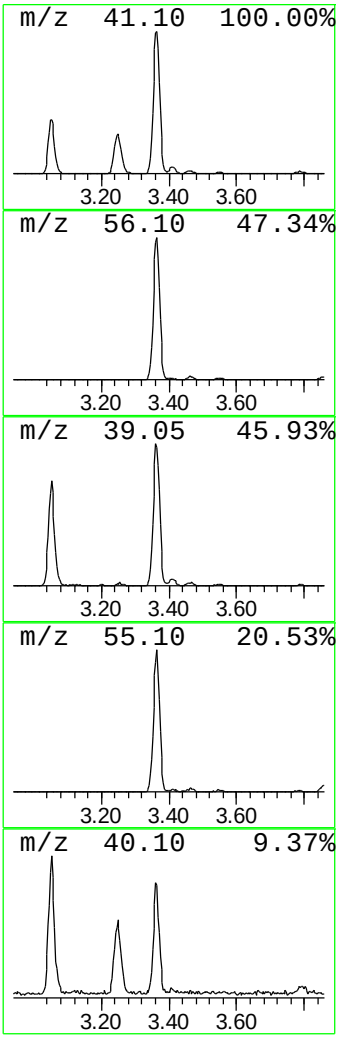
Peak Number 2 1-Propene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	2.52 ppbv	1619560	Bromochloromethane	5.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Butene	56	C4H8	000106-98-9	87
4	1-Butene	56	C4H8	000106-98-9	87
5	1-Butene	56	C4H8	000106-98-9	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032557.D
Acq On : 27 Sep 2018 20:09
Operator : SY/AP
Sample : J5136-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 249

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018

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

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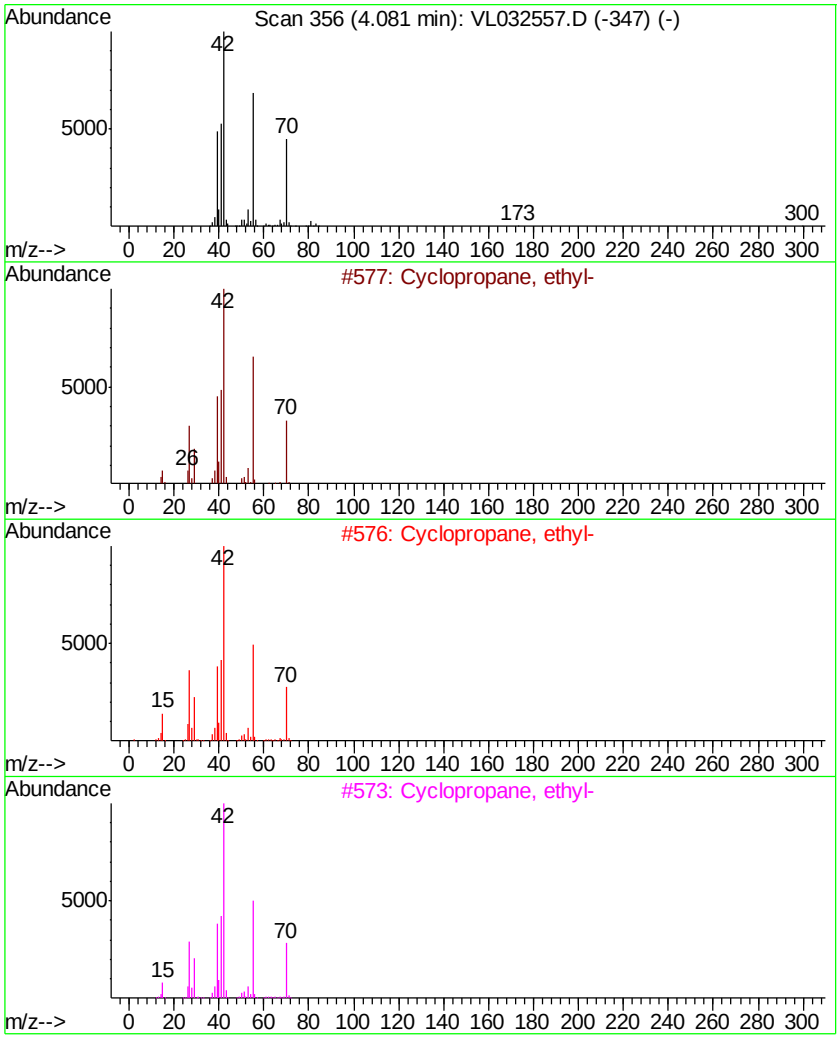
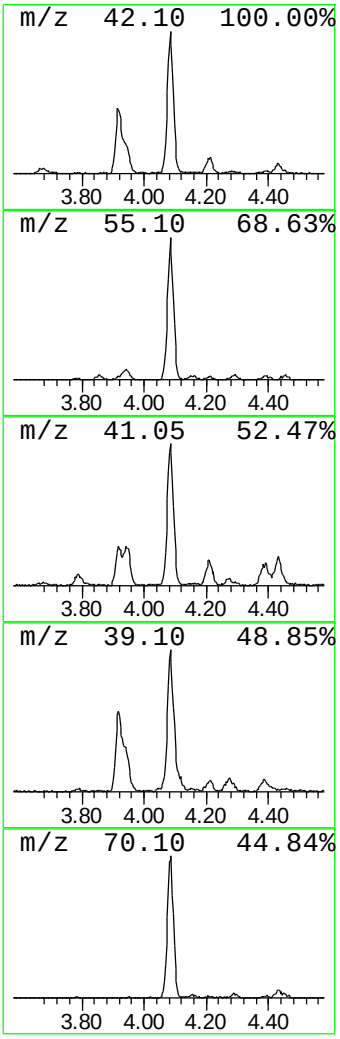
Peak Number 3 Cyclopropane, ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	1.46 ppbv	937561	Bromochloromethane	5.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	86
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	86
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	70
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
5	1-Pentene	70	C5H10	000109-67-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032557.D
Acq On : 27 Sep 2018 20:09
Operator : SY/AP
Sample : J5136-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 249

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018

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

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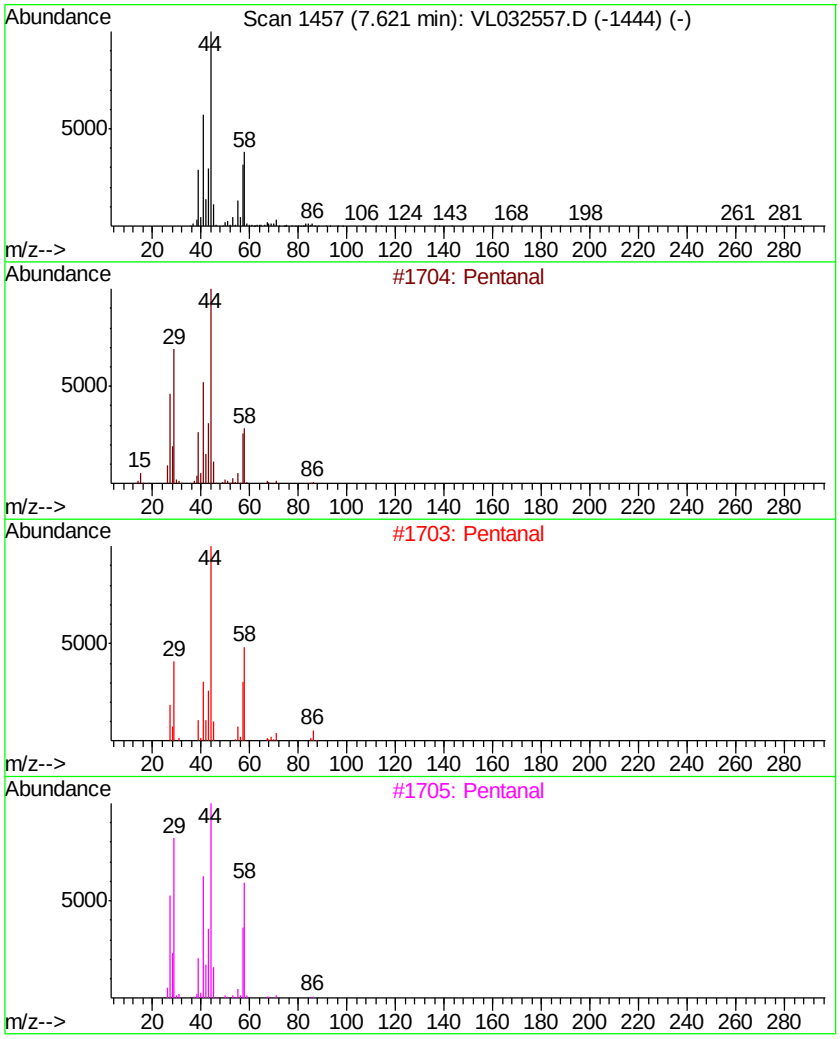
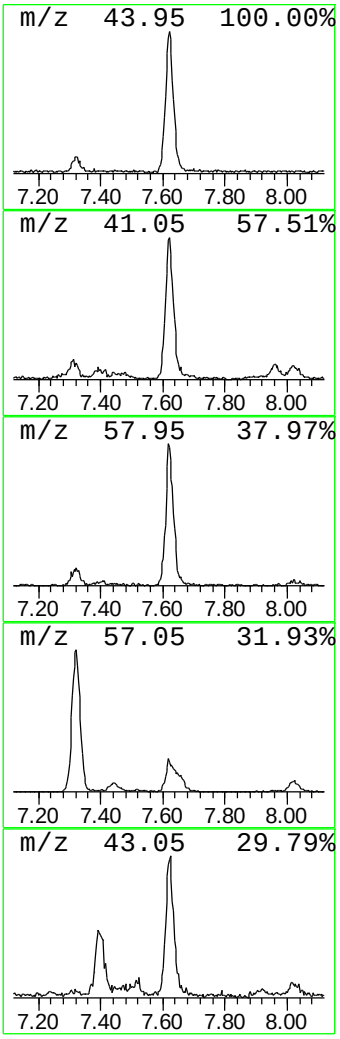
Peak Number 5 Pentanal Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	1.23 ppbv	988074	1,4-Difluorobenzene	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	78
2	Pentanal	86	C5H10O	000110-62-3	64
3	Pentanal	86	C5H10O	000110-62-3	64
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	43
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032557.D
Acq On : 27 Sep 2018 20:09
Operator : SY/AP
Sample : J5136-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 249

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018

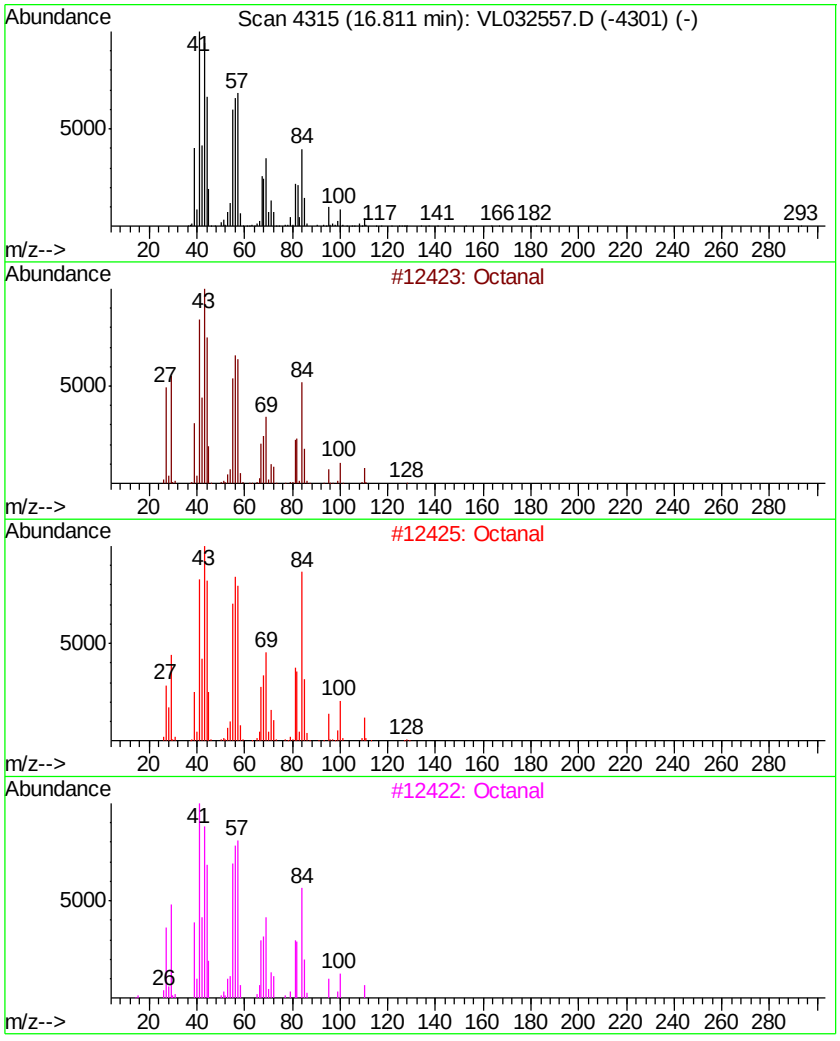
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

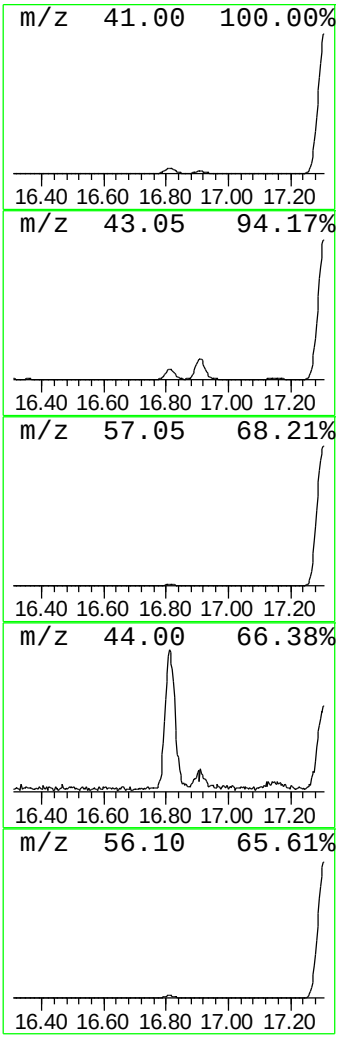
****

Peak Number 7 Octanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	1.64 ppbv	1899480	Chlorobenzene-d5	12.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	90
2	Octanal	128	C8H16O	000124-13-0	90
3	Octanal	128	C8H16O	000124-13-0	86
4	Octanal	128	C8H16O	000124-13-0	72
5	Octanal	128	C8H16O	000124-13-0	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032557.D
Acq On : 27 Sep 2018 20:09
Operator : SY/AP
Sample : J5136-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 249

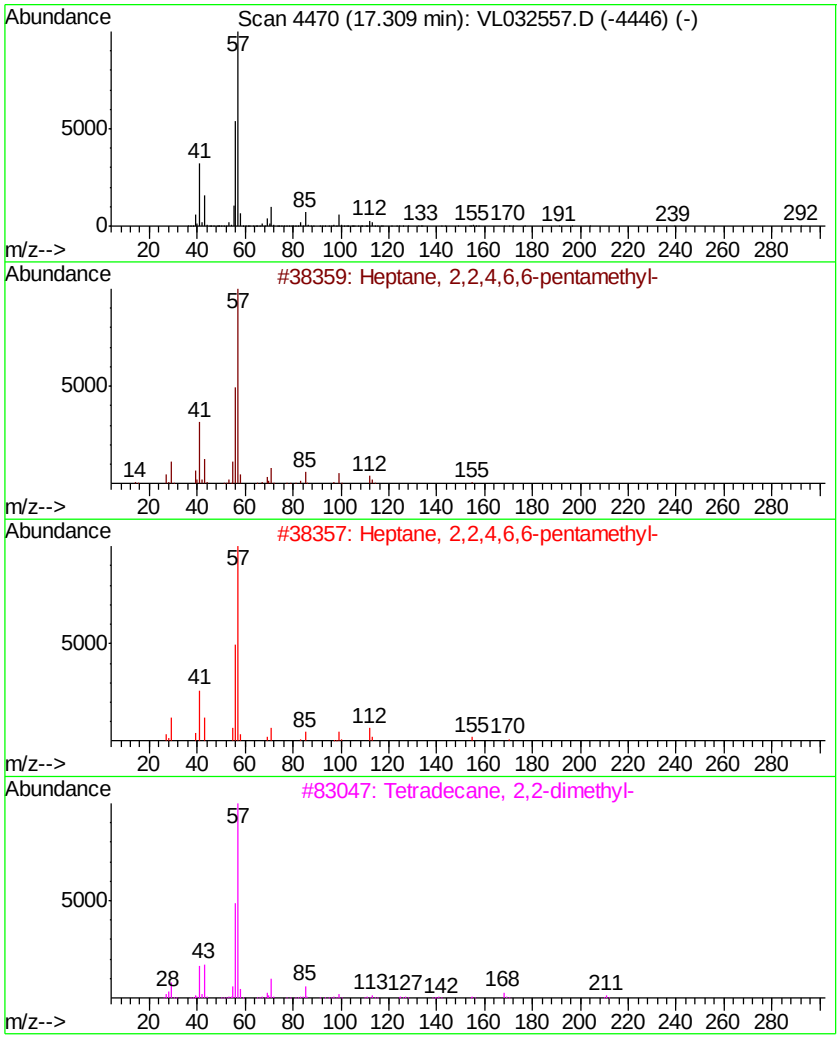
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018

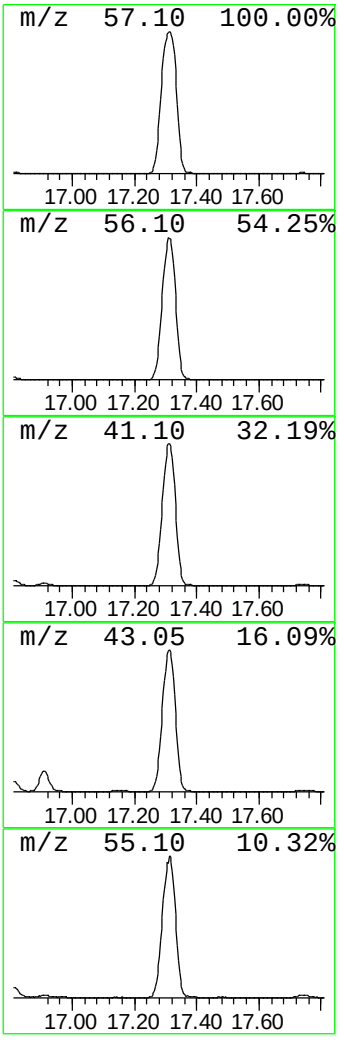
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	55.73 ppbv	64622800	Chlorobenzene-d5	12.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	83
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	83
3	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	83
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	83
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032557.D
Acq On : 27 Sep 2018 20:09
Operator : SY/AP
Sample : J5136-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 249

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018

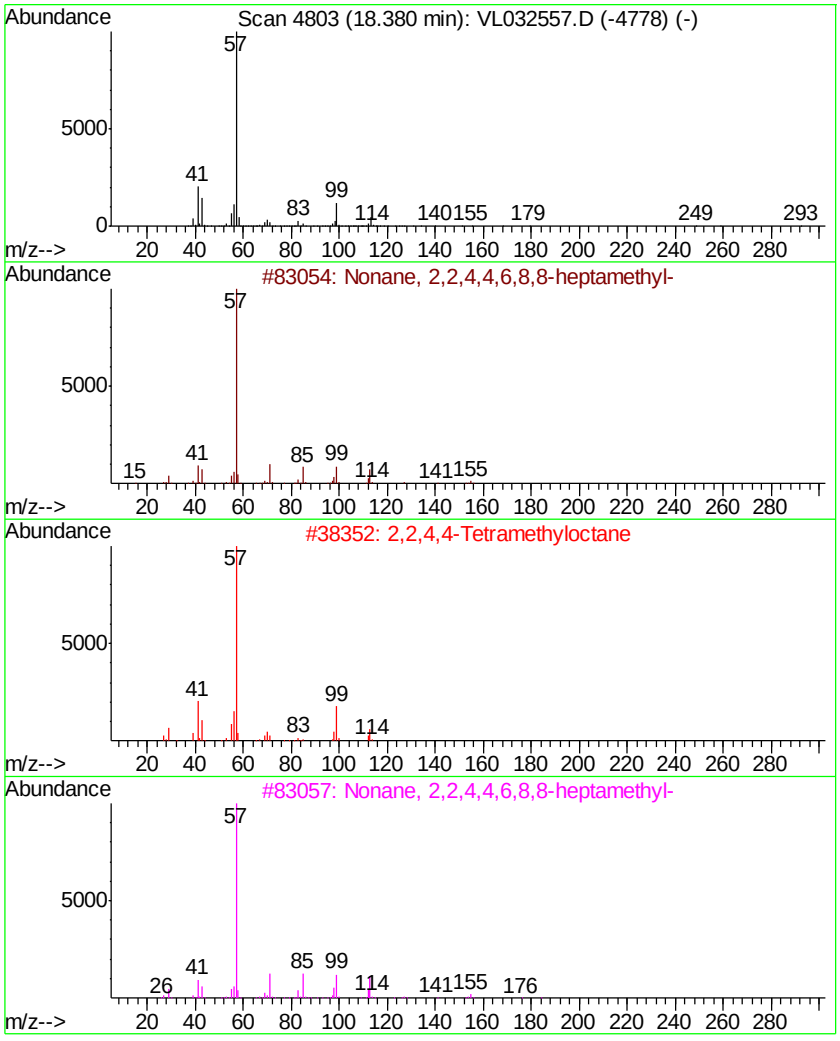
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

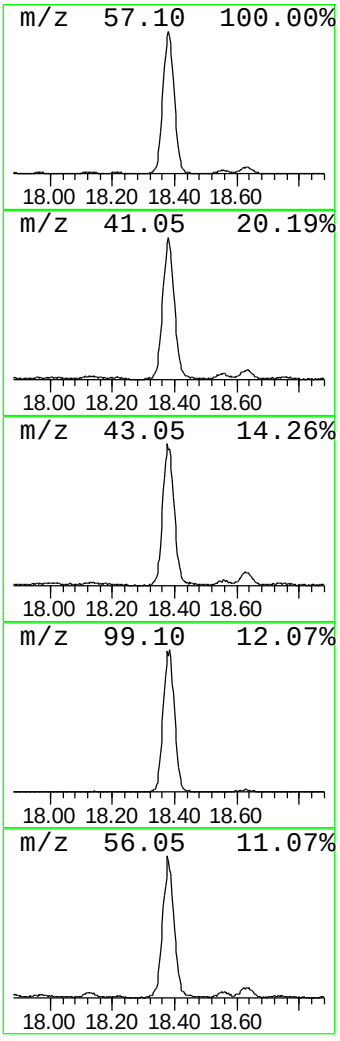
****

Peak Number 10 Nonane, 2,2,4,4,6,8,8-hepta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	8.21 ppbv	9515210	Chlorobenzene-d5	12.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	64
2	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	53
3	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	50
4	4-Bromoheptane	178	C7H15Br	000998-93-6	45
5	Heptane, 3-bromo-	178	C7H15Br	001974-05-6	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032557.D
Acq On : 27 Sep 2018 20:09
Operator : SY/AP
Sample : J5136-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 249

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018

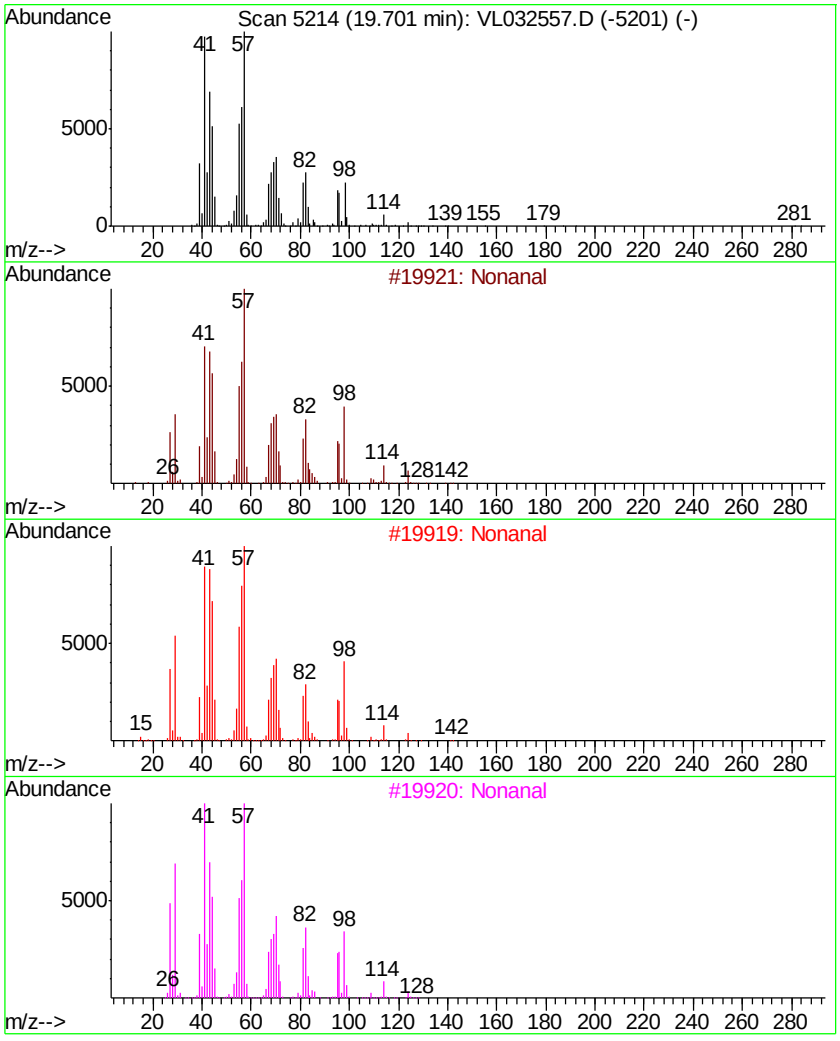
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

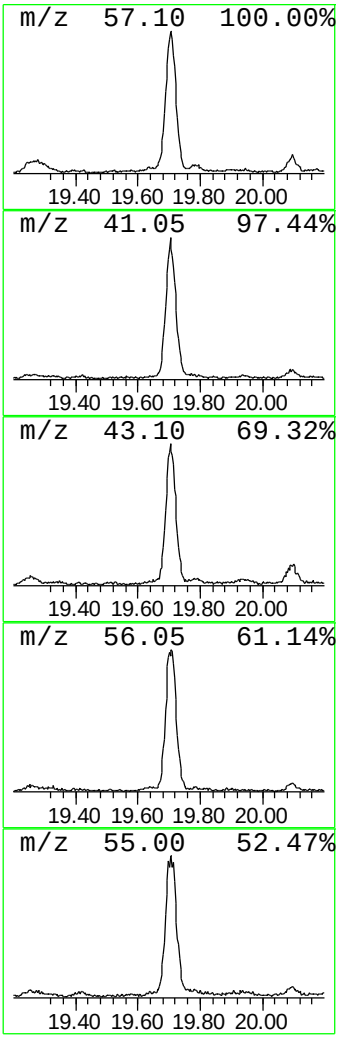
****

Peak Number 11 Nonanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	3.30 ppbv	3826220	Chlorobenzene-d5	12.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	64
2	Nonanal	142	C9H18O	000124-19-6	64
3	Nonanal	142	C9H18O	000124-19-6	64
4	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	43
5	2-Hepten-1-ol, (E)-	114	C7H14O	033467-76-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032557.D
Acq On : 27 Sep 2018 20:09
Operator : SY/AP
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Propene, 2-methyl-	3.36	2.5	ppbv	1619560	1	5.79	6435260	10.0
Cyclopropane, ethyl-	4.08	1.5	ppbv	937561	1	5.79	6435260	10.0
Pentanal	7.62	1.2	ppbv	988074	2	7.32	8017750	10.0
Octanal	16.81	1.6	ppbv	1899480	3	12.27	11596700	10.0
Heptane, 2,2,4,6,...	17.31	55.7	ppbv	64622800	3	12.27	11596700	10.0
Nonane, 2,2,4,4,6...	18.38	8.2	ppbv	9515210	3	12.27	11596700	10.0
Nonanal	19.70	3.3	ppbv	3826220	3	12.27	11596700	10.0