LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

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_X\METHOD\SOMXTR100220WMA.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	1.386	46	49	56	rVB	68498	72599	3.22%	0.562%
2	1.697	95	100	110	rVB	59784	71647	3.18%	0.554%
3	2.343	200	206	216	rBV	132161	210316	9.34%	1.627%
4	3.148	330	338	349	rBB2	23012	53072	2.36%	0.410%
5	3.501	386	396	406	rBV2	27711	63304	2.81%	0.490%
6	4.373	528	539	551	rVB2	54159	162415	7.21%	1.256%
7	4.562	555	570	581	rBV2	165604	532637	23.65%	4.120%
8	5.141	651	665	678	rBV	83216	254169	11.28%	1.966%
9	5.464	704	718	727	rBV3	111312	353781	15.71%	2.736%
10	6.044	802	813	827	rBV2	198188	591361	26.25%	4.574%
11	6.830	932	942	954	rBV	148125	361968	16.07%	2.800%
12	7.366	1020	1030	1039	rBV	128310	277831	12.33%	2.149%
13	8.372	1189	1195	1205	rBV	81597	135422	6.01%	1.047%
14	8.695	1241	1248	1253	rBV	317797	487654	21.65%	3.772%
15	8.763	1253	1259	1278	rVB	1497926	2252575	100.00%	17.422%
16	8.994	1292	1297	1308	rVB	57523	86087	3.82%	0.666%
17	9.427	1361	1368	1384	rBV	402600	602985	26.77%	4.664%
18	9.738	1414	1419	1426	rBV	18757	27691	1.23%	0.214%
19	10.098	1472	1478	1488	rBV	306436	437597	19.43%	3.385%
20	10.232	1495	1500	1507	rBV	132450	179689	7.98%	1.390%
21	10.342	1512	1518	1526	rVB	369552	487182	21.63%	3.768%
22	10.683	1568	1574	1580	rBV	261058	332424	14.76%	2.571%
23	11.000	1621	1626	1634	rVB	43522	55436	2.46%	0.429%
24	11.232	1657	1664	1671	rBV	136805	172966	7.68%	1.338%
25	11.341	1677	1682	1688	rBV	101374	124612	5.53%	0.964%
26	11.421	1689	1695	1702	rVV	351608	631816	28.05%	4.887%
27	11.488	1702	1706	1712	rVB	107093	139366	6.19%	1.078%
28	11.610	1720	1726	1730	rBV	1154157	1387174	61.58%	10.729%
29	11.652	1730	1733	1739	rVB	230416	277734	12.33%	2.148%
30	11.793	1750	1756	1763	rVB	601608	722809	32.09%	5.590%
31	11.866	1763	1768	1772	rBV	29173	35611	1.58%	0.275%
32	12.061	1795	1800	1806	rBV	355876	438729	19.48%	3.393%
33	12.128	1806	1811	1816	rVB	153879	189671	8.42%	1.467%
34	12.280	1831	1836	1844	rBV	94079	131298	5.83%	1.015%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

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_X\METHOD\SOMXTR100220WMA.M
Title : TRACE VOA SOM01.0

35	12.359	1844	1849	1859	rVB	379708	498593	22.13%	3.856%
36	13.817	2083	2088	2092	rBV	67548	89194	3.96%	0.690%

Sum of corrected areas: 12929415

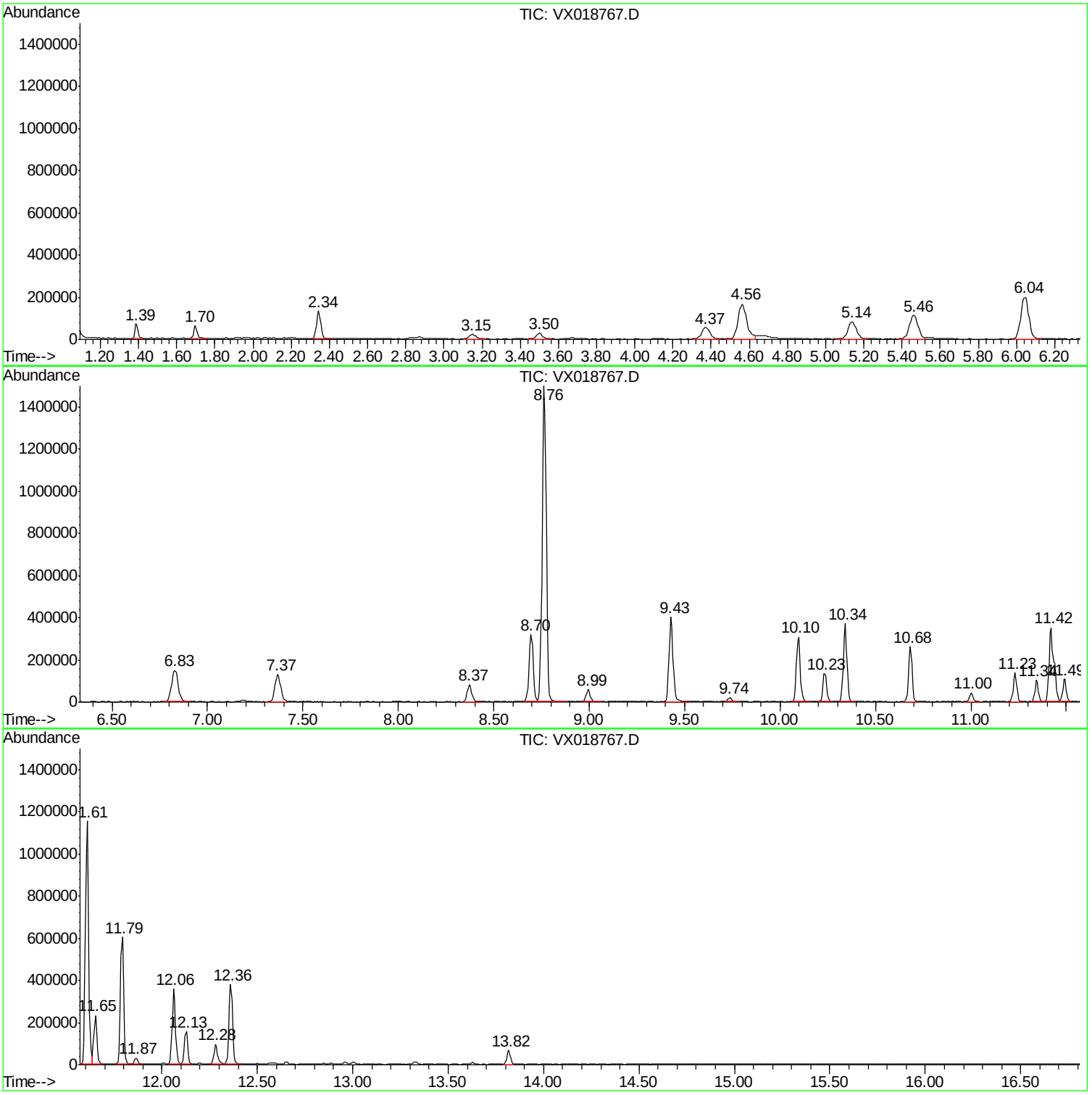
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.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 X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

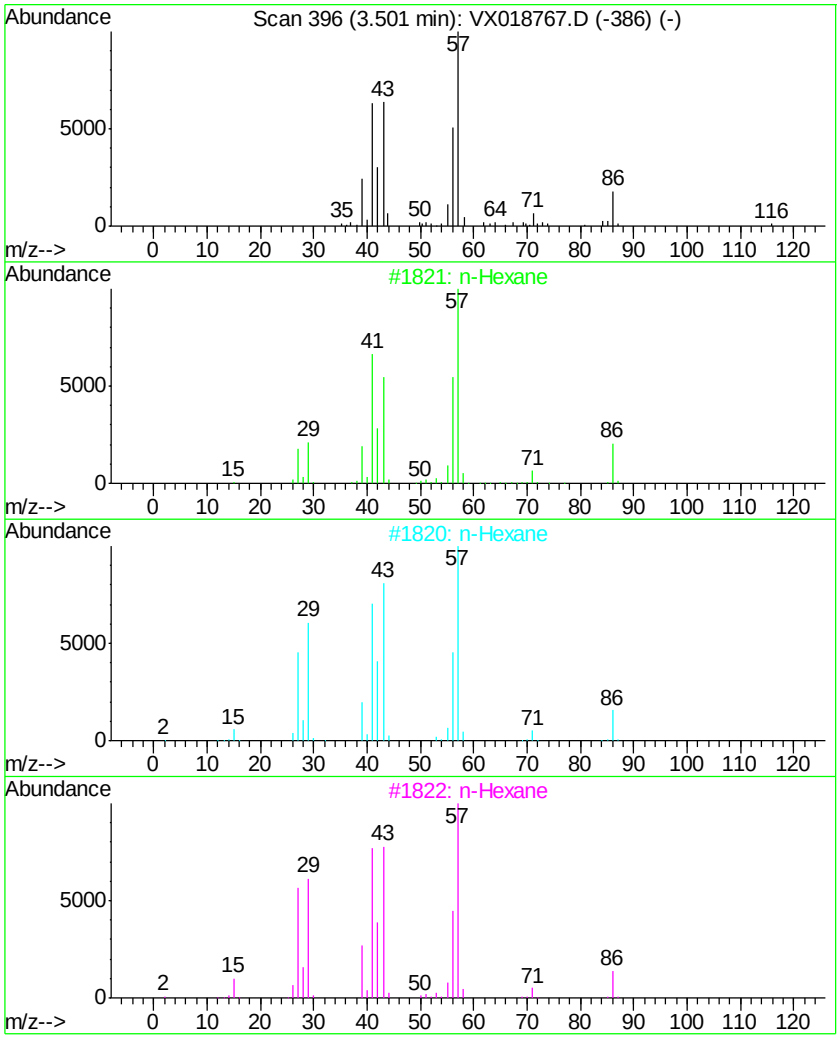
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

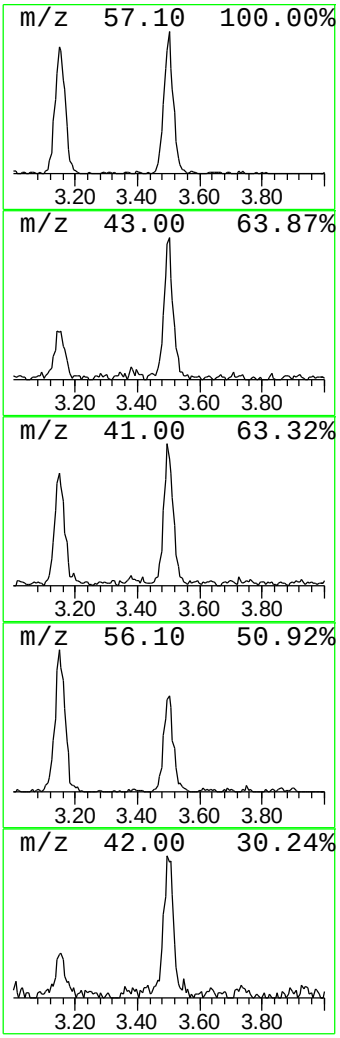
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	0.87 ug/L	63304	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	87
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	59
4	Cyclopropane, propyl-	84	C6H12	002415-72-7	47
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

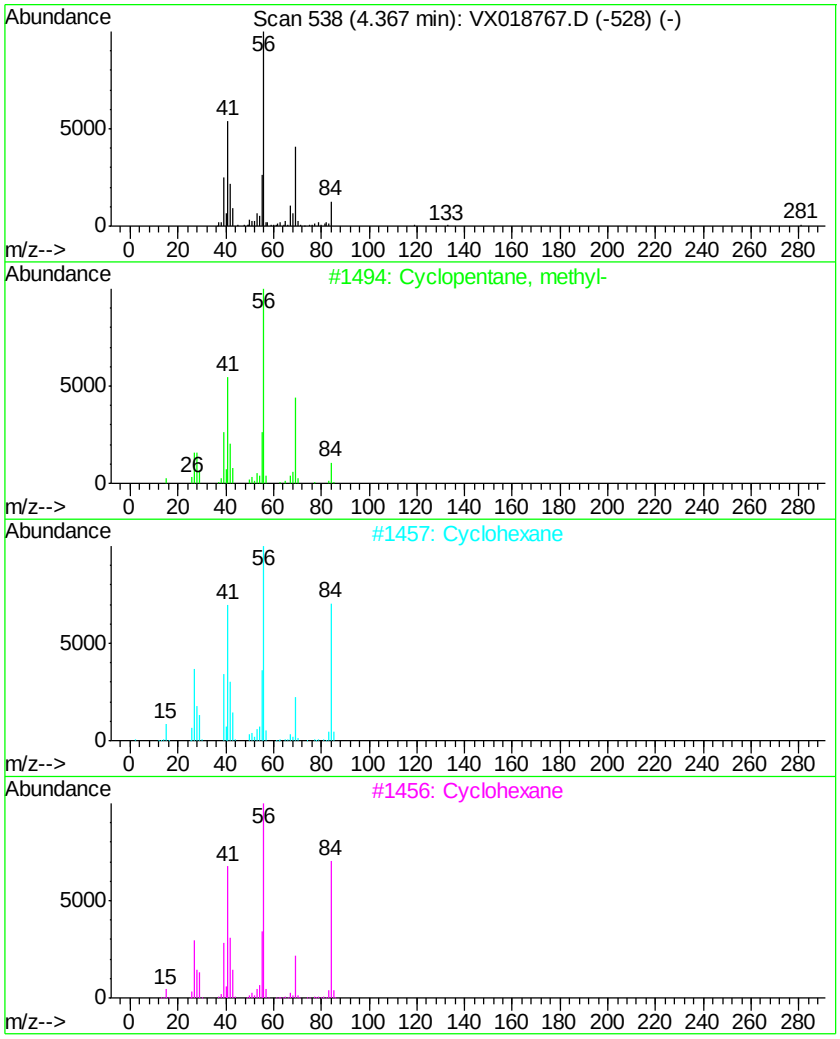
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

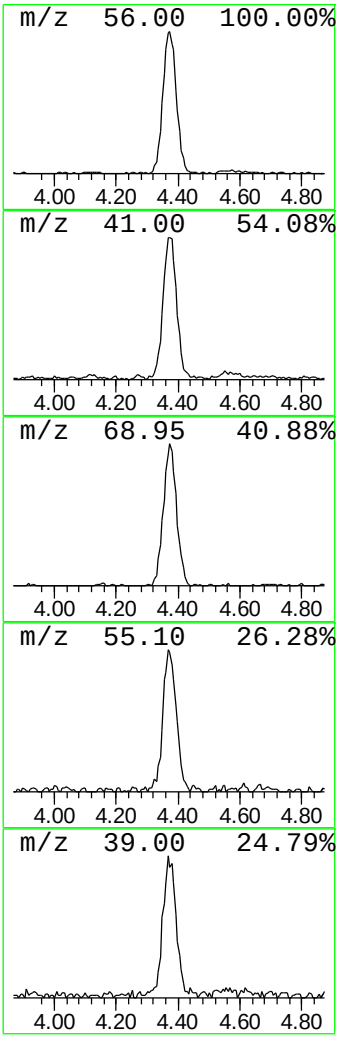
****

Peak Number 2 (DEL) Alkane: Cyclic4.37 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	2.24 ug/L	162415	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	80
3	Cyclohexane	84	C6H12	000110-82-7	80
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
5	Cyclohexane	84	C6H12	000110-82-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

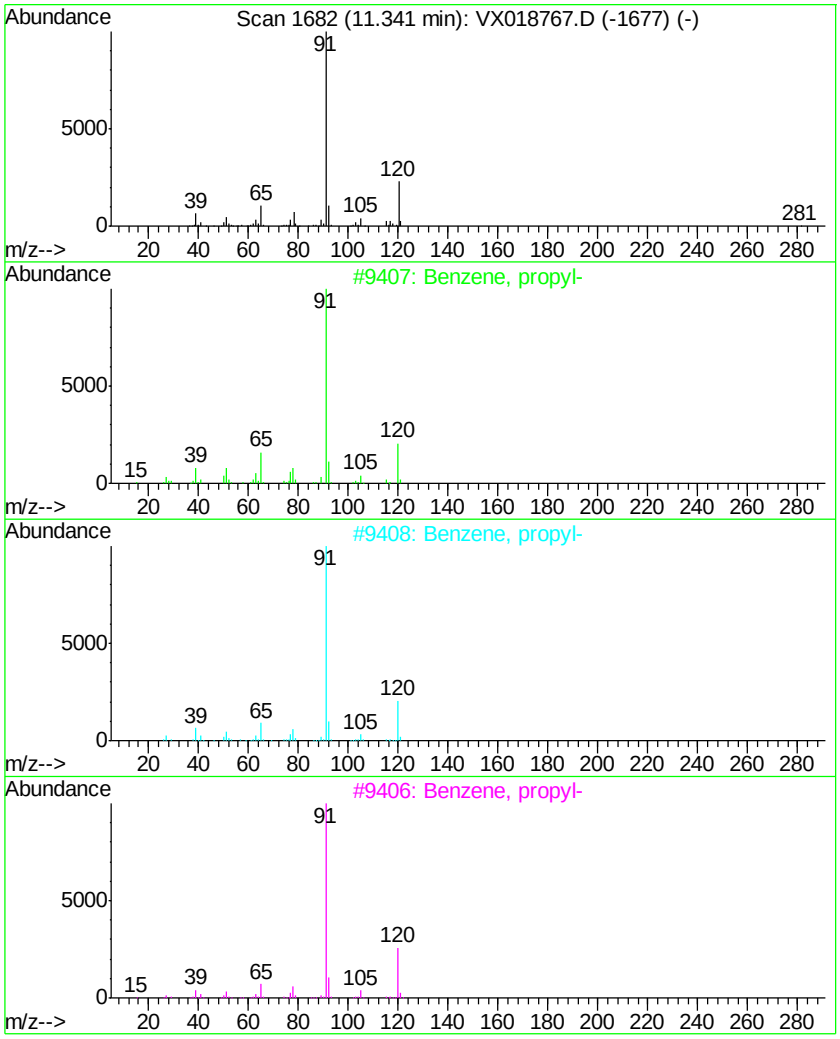
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

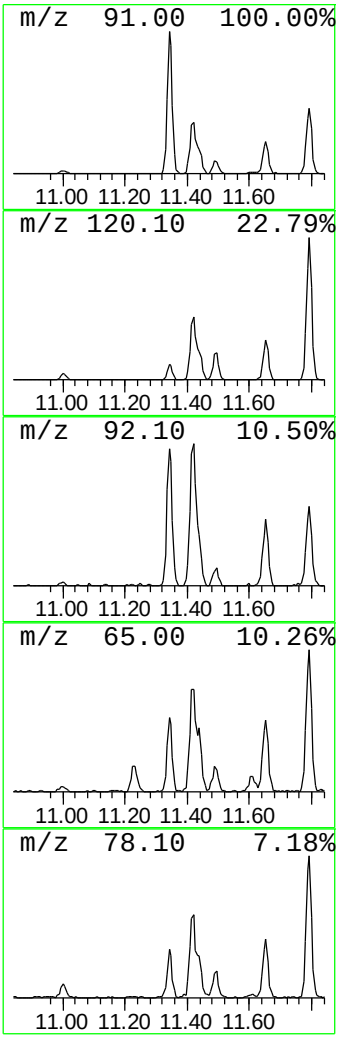
****

Peak Number 4 Benzene, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	1.42 ug/L	124612	1,4-Dichlorobenzene-d4	12.06

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	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

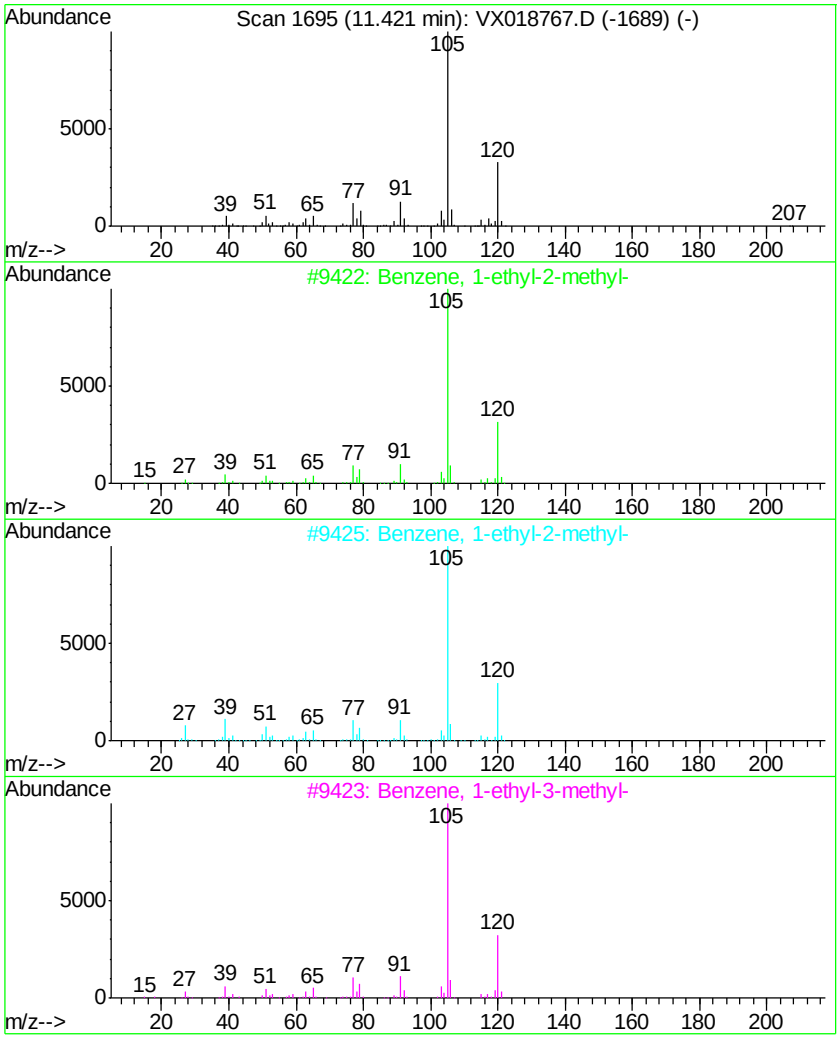
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

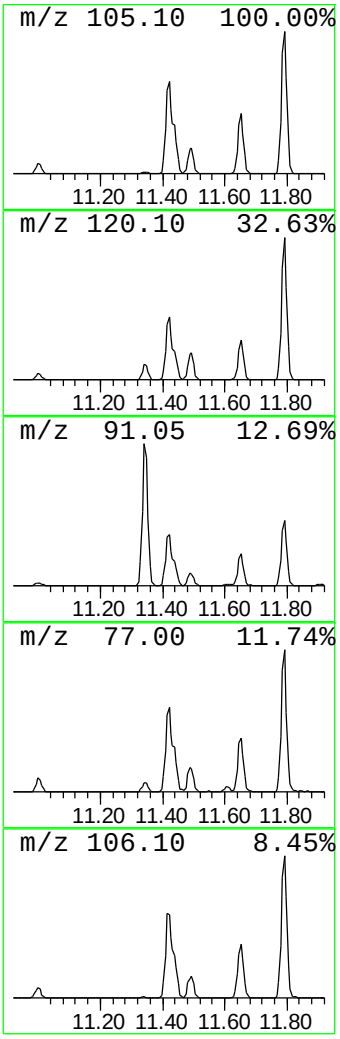
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	7.20 ug/L	631816	1,4-Dichlorobenzene-d4	12.06

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-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

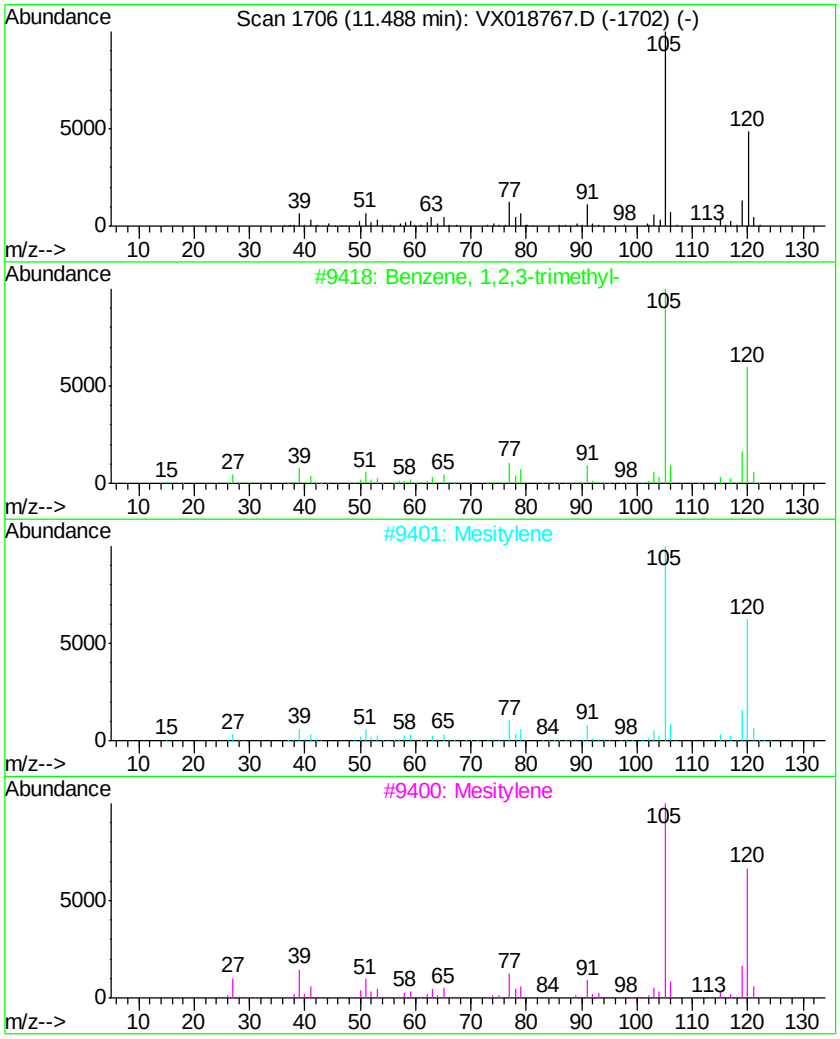
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

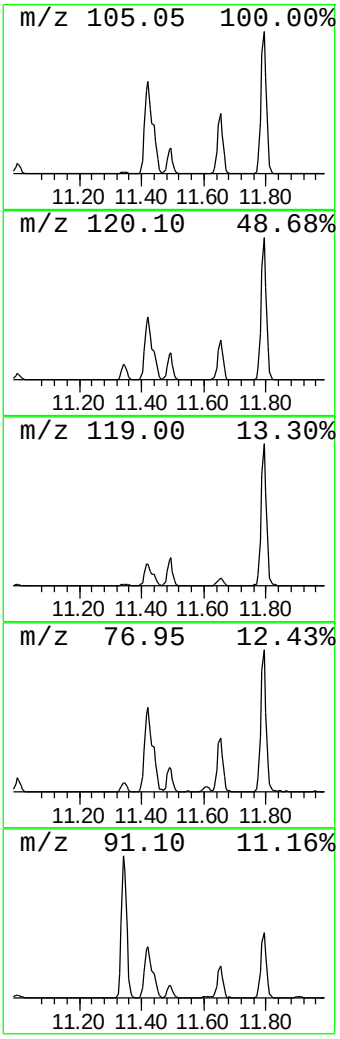
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	1.59 ug/L	139366	1,4-Dichlorobenzene-d4	12.06

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

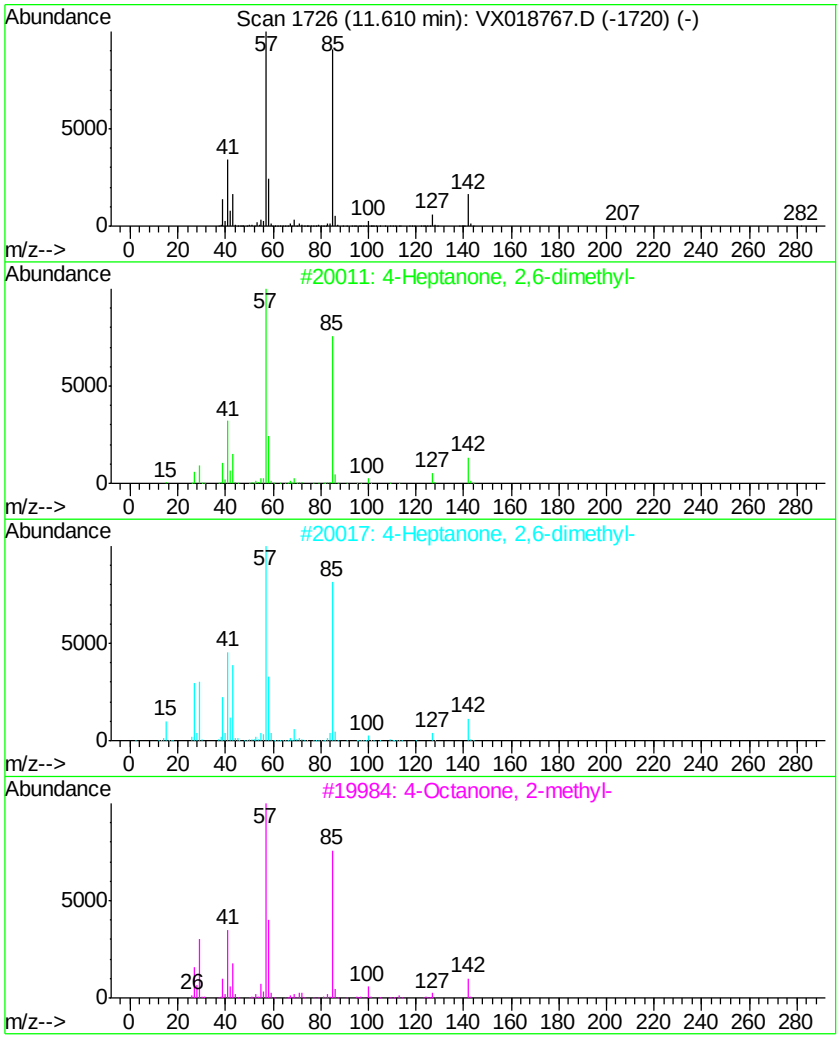
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

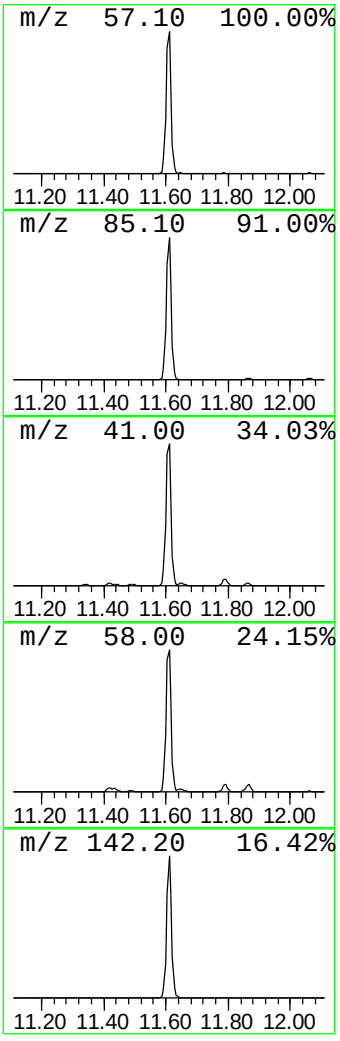
****

Peak Number 7 4-Heptanone, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	15.81 ug/L	1387170	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	94
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	64
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	59
4	5-Nonanone	142	C9H18O	000502-56-7	59
5	5-Nonanone	142	C9H18O	000502-56-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

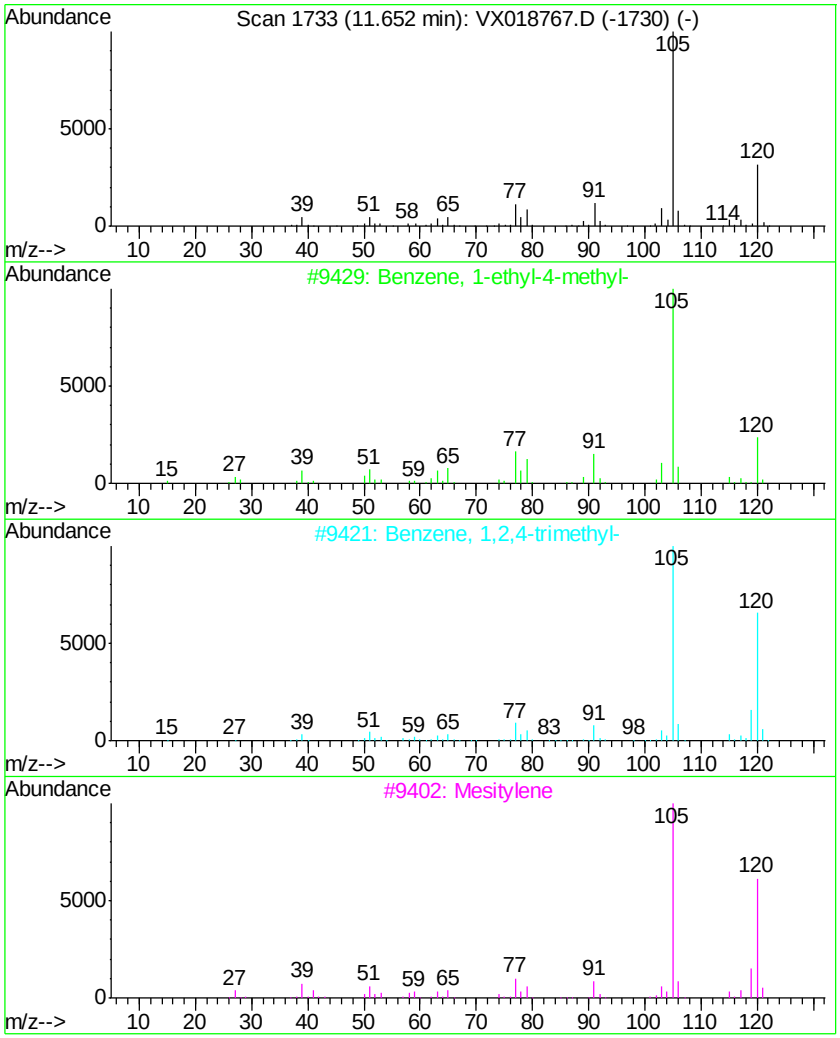
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

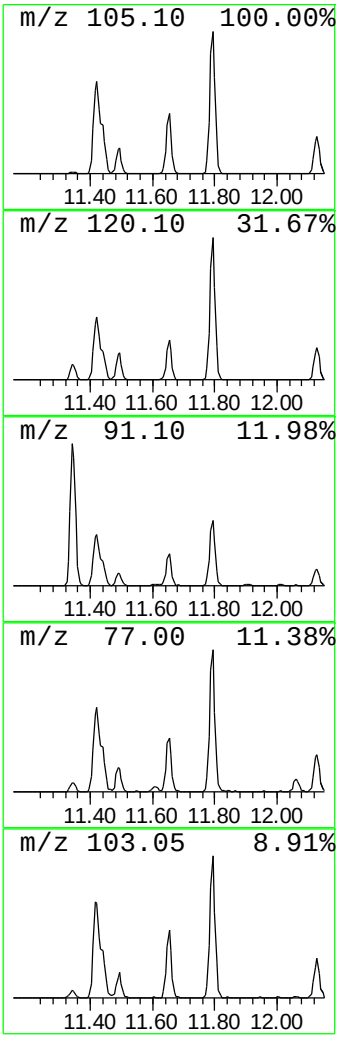
****

Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	3.17 ug/L	277734	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

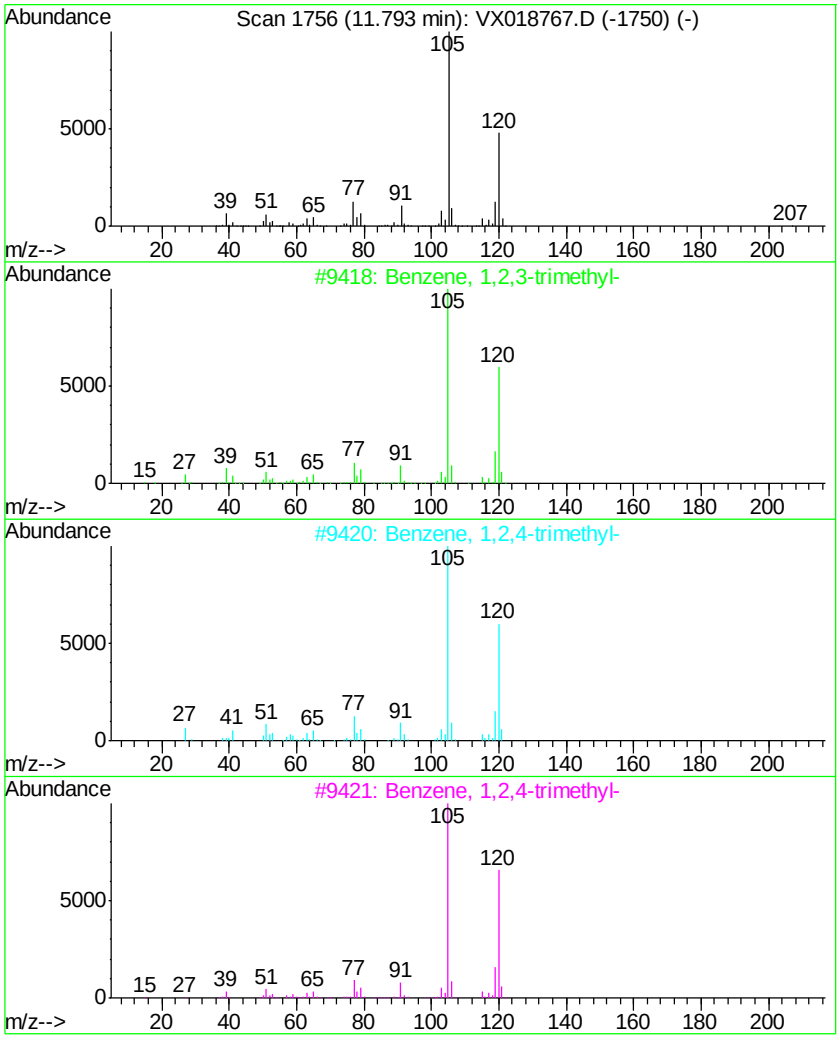
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

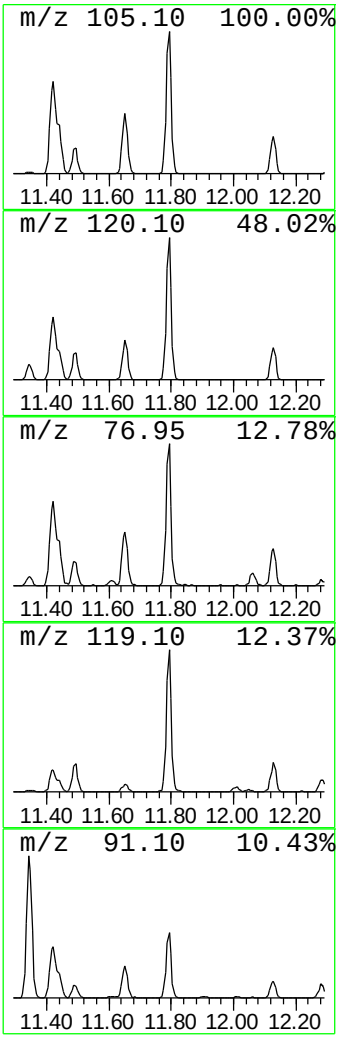
****

Peak Number 9 Benzene, 1,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	8.24 ug/L	722809	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

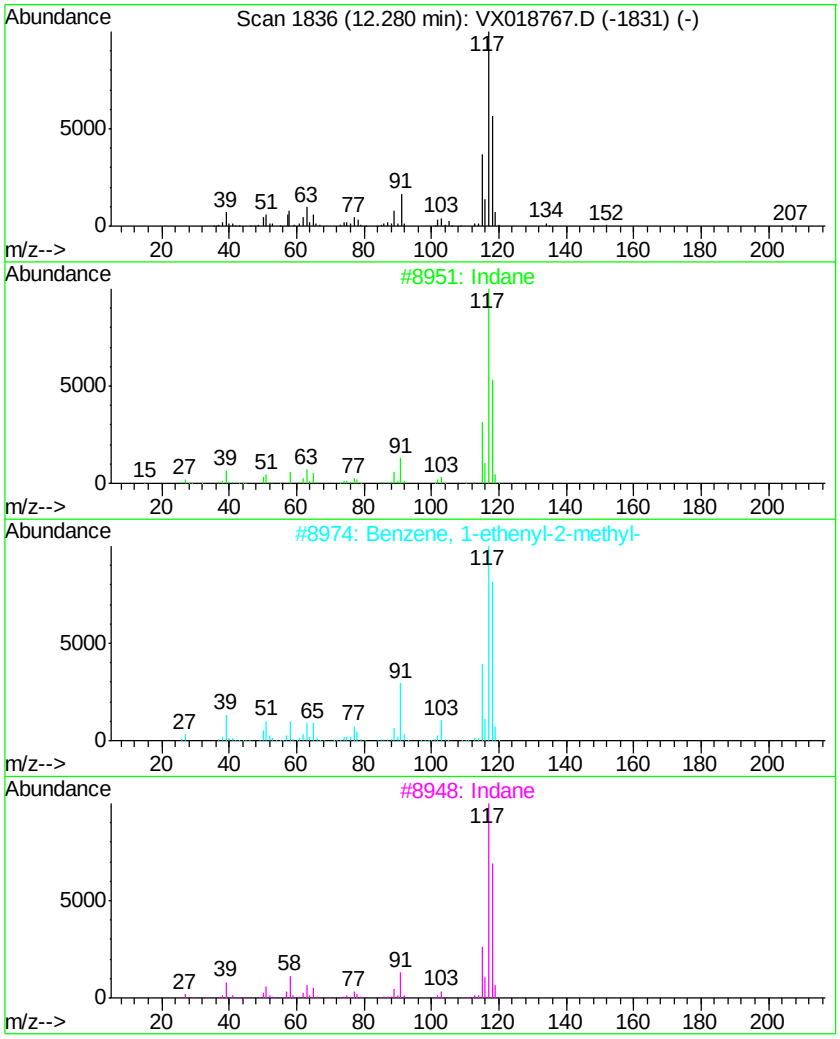
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

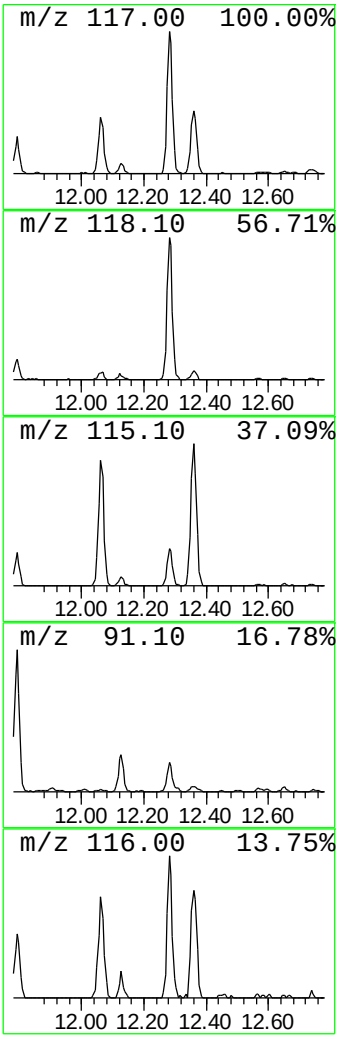
****

Peak Number 10 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	1.50 ug/L	131298	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
3	Indane	118	C9H10	000496-11-7	81
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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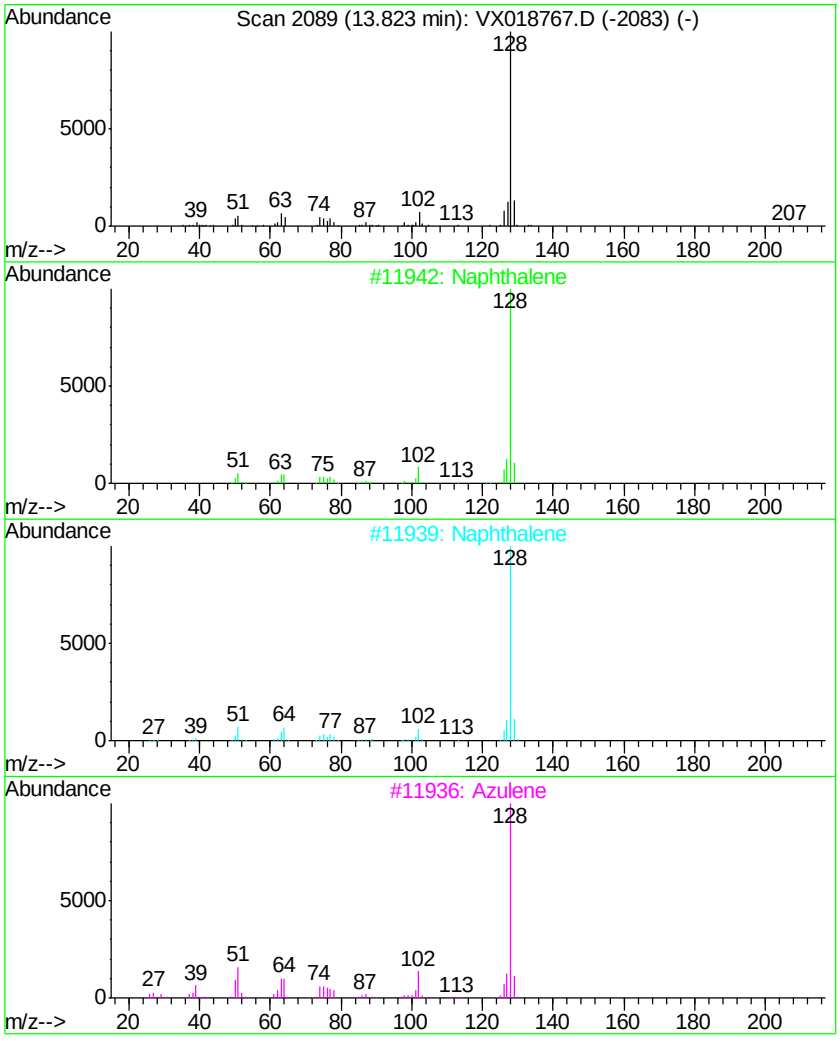
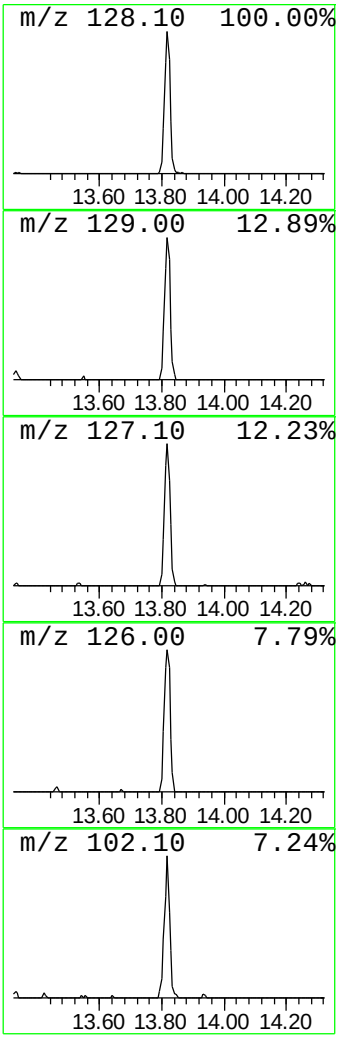
Peak Number 11 Azulene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	1.02 ug/L	89194	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	91
3	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Naphthalene	128	C10H8	000091-20-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100520\
Data File : VX018767.D
Acq On : 05 Oct 2020 15:47
Operator : JC/SP
Sample : L4239-01DL 40X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3M9DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.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...	3.50	0.9	ug/L	63304	1	6.83	361968	5.0
(DEL) Alkane: Cyc...	4.37	2.2	ug/L	162415	1	6.83	361968	5.0
Benzene, propyl-	11.34	1.4	ug/L	124612	3	12.06	438729	5.0
Benzene, 1-ethyl-...	11.42	7.2	ug/L	631816	3	12.06	438729	5.0
Benzene, 1,2,3-tr...	11.49	1.6	ug/L	139366	3	12.06	438729	5.0
4-Heptanone, 2,6-...	11.61	15.8	ug/L	1387170	3	12.06	438729	5.0
Benzene, 1-ethyl-...	11.65	3.2	ug/L	277734	3	12.06	438729	5.0
Benzene, 1,2,4-tr...	11.79	8.2	ug/L	722809	3	12.06	438729	5.0
Indane	12.28	1.5	ug/L	131298	3	12.06	438729	5.0
Azulene	13.82	1.0	ug/L	89194	3	12.06	438729	5.0