LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

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\SOMVTR111519WMA.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	1.312	61	69	82	rBV	253935	265221	15.17%	1.342%
2	1.579	144	152	160	rBV	200534	222346	12.72%	1.125%
3	1.643	164	172	184	rVB	478037	568507	32.52%	2.877%
4	1.817	219	226	236	rBV	122294	152913	8.75%	0.774%
5	1.913	250	256	264	rBV	32565	41765	2.39%	0.211%
6	1.994	275	281	288	rBV2	15995	20152	1.15%	0.102%
7	2.039	288	295	302	rVB	32448	43097	2.47%	0.218%
8	2.122	312	321	336	rBV	385381	556802	31.85%	2.818%
9	2.518	431	444	448	rBV5	41227	75547	4.32%	0.382%
10	2.598	462	469	484	rVB3	45973	92355	5.28%	0.467%
11	2.785	512	527	541	rBV2	51002	107870	6.17%	0.546%
12	3.071	606	616	626	rVB6	10607	19770	1.13%	0.100%
13	3.254	664	673	681	rVV6	13177	27378	1.57%	0.139%
14	3.306	681	689	700	rVB2	15797	32337	1.85%	0.164%
15	3.476	732	742	753	rBV2	8846	21722	1.24%	0.110%
16	3.617	775	786	801	rVB4	14475	35695	2.04%	0.181%
17	3.801	826	843	860	rBV3	78522	197902	11.32%	1.002%
18	3.958	880	892	936	rBV	107160	516752	29.56%	2.616%
19	4.396	1009	1028	1051	rBV2	287604	742134	42.45%	3.756%
20	4.720	1110	1129	1144	rBV5	41383	108638	6.21%	0.550%
21	5.090	1224	1244	1276	rBV2	659428	1696466	97.04%	8.587%
22	5.659	1407	1421	1443	rBV	425511	874917	50.05%	4.428%
23	5.949	1500	1511	1518	rBV6	14299	28560	1.63%	0.145%
24	6.113	1543	1562	1595	rBV	360888	783735	44.83%	3.967%
25	6.842	1778	1789	1799	rVB5	12074	21016	1.20%	0.106%
26	7.026	1835	1846	1863	rBV	170907	310992	17.79%	1.574%
27	7.209	1893	1903	1915	rVB	8197	17796	1.02%	0.090%
28	7.357	1934	1949	1961	rBV	763165	1335304	76.38%	6.759%
29	7.428	1961	1971	1992	rVB	312122	551706	31.56%	2.792%
30	7.659	2033	2043	2057	rBV	106668	181263	10.37%	0.917%
31	8.138	2180	2192	2225	rBV2	562143	1362040	77.91%	6.894%
32	8.891	2407	2426	2444	rBV	645166	1065435	60.95%	5.393%
33	9.051	2465	2476	2495	rBV	344453	542510	31.03%	2.746%
34	9.177	2502	2515	2533	rBV	1089725	1748180	100.00%	8.848%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4Dl2

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\SOMVTR111519WMA.M
Title : TRACE VOA SOM01.0

35	9.582	2624	2641	2664	rBV	250256	410661	23.49%	2.079%
36	9.971	2753	2762	2773	rVB3	21201	34104	1.95%	0.173%
37	10.257	2838	2851	2869	rBV	261676	416315	23.81%	2.107%
38	10.395	2880	2894	2911	rBV2	68250	150397	8.60%	0.761%
39	10.489	2911	2923	2941	rVV	215987	474673	27.15%	2.403%
40	10.579	2941	2951	2964	rVB	106210	163167	9.33%	0.826%
41	10.778	3001	3013	3031	rBV	96031	160334	9.17%	0.812%
42	10.955	3052	3068	3085	rBV	429462	653922	37.41%	3.310%
43	11.289	3160	3172	3187	rVV	695231	1076313	61.57%	5.448%
44	11.376	3190	3199	3211	rVB	92895	141447	8.09%	0.716%
45	11.569	3249	3259	3270	rBV3	68765	131121	7.50%	0.664%
46	11.665	3279	3289	3309	rVB	791430	1272986	72.82%	6.443%
47	11.955	3370	3379	3383	rBV4	15483	25801	1.48%	0.131%
48	12.058	3400	3411	3418	rBV	23831	38594	2.21%	0.195%
49	12.157	3432	3442	3454	rBV2	20651	38171	2.18%	0.193%
50	12.453	3526	3534	3542	rBV3	18214	28028	1.60%	0.142%
51	12.508	3542	3551	3565	rVB3	22467	41316	2.36%	0.209%
52	12.768	3625	3632	3641	rVB4	18001	28442	1.63%	0.144%
53	12.926	3669	3681	3689	rBV2	35486	57413	3.28%	0.291%
54	13.546	3865	3874	3888	rBV2	23031	45085	2.58%	0.228%

Sum of corrected areas: 19757113

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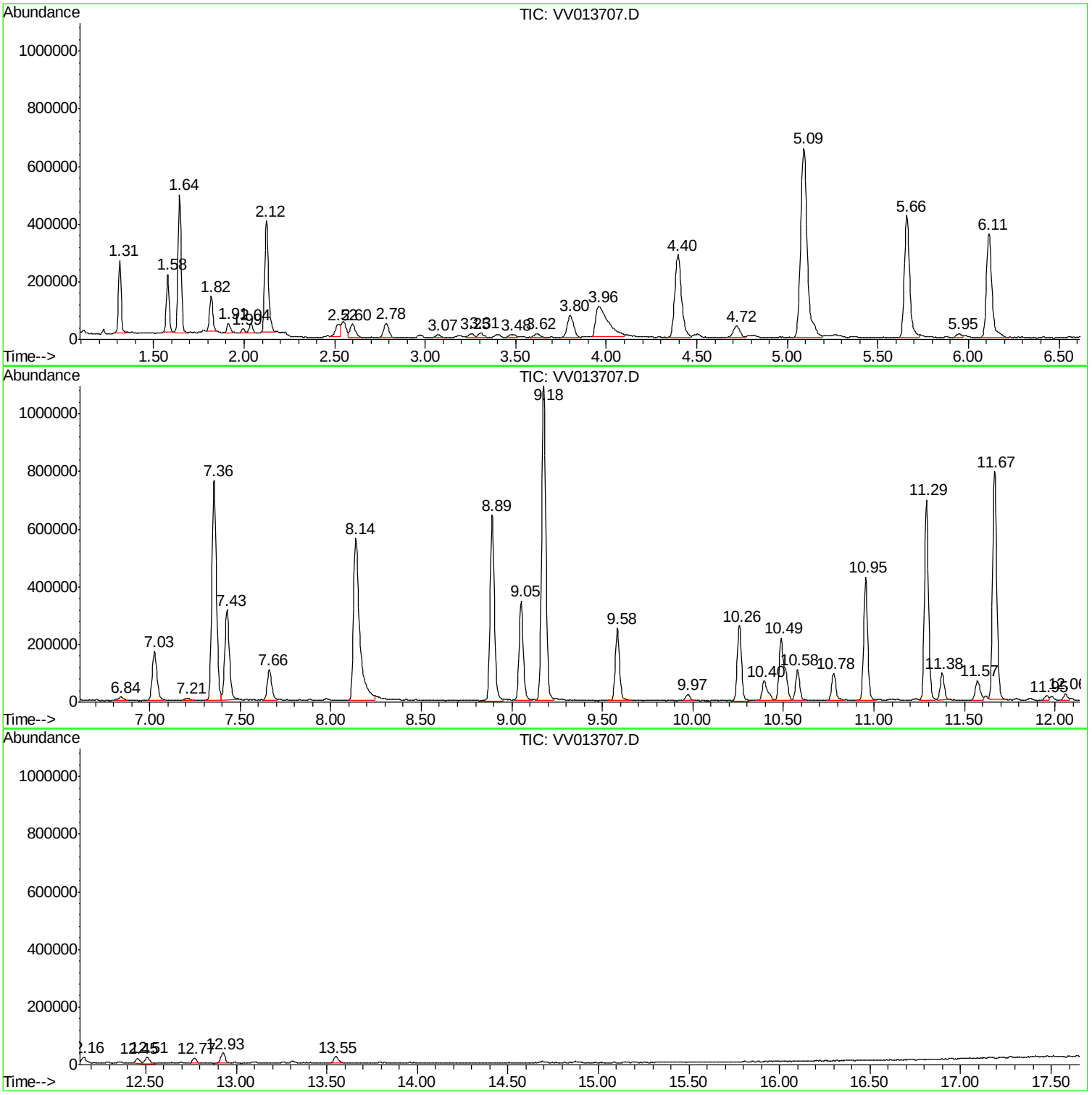
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.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\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

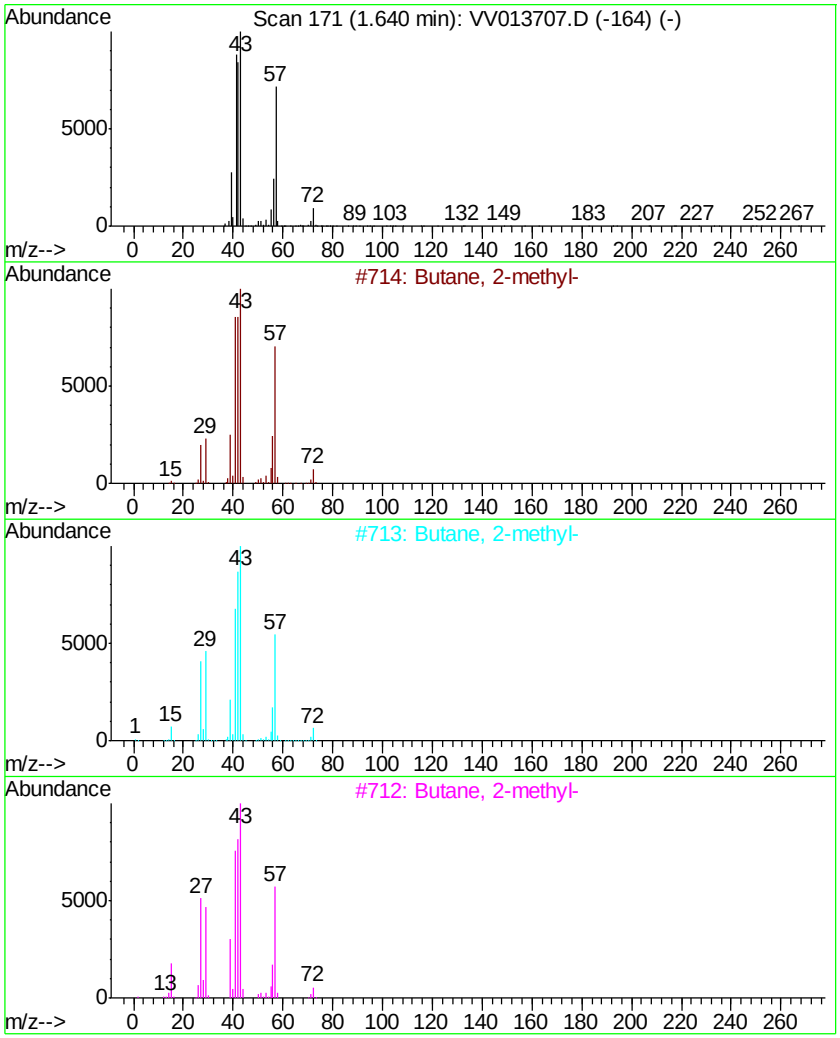
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

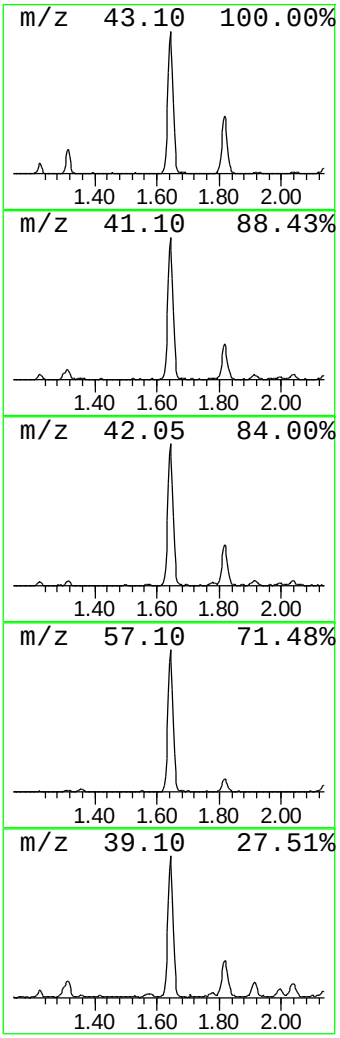
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.64	3.25 ug/L	568507	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Pentane	72	C5H12	000109-66-0	47
5	Pentane	72	C5H12	000109-66-0	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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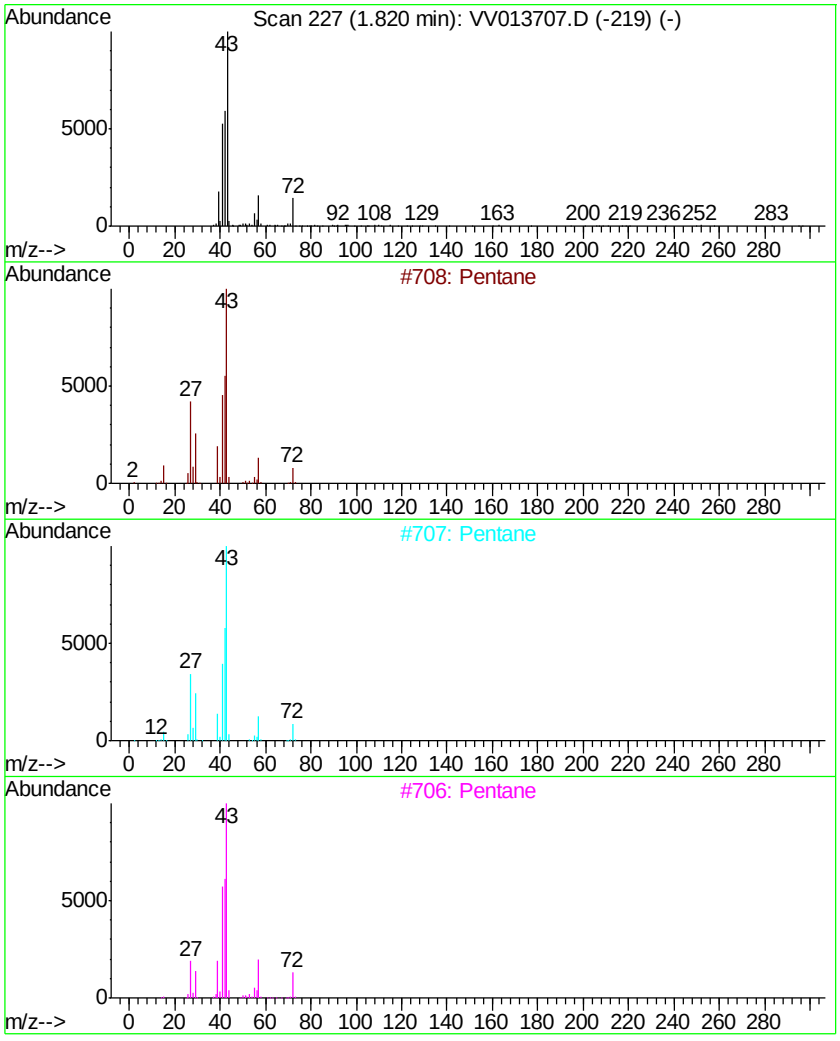
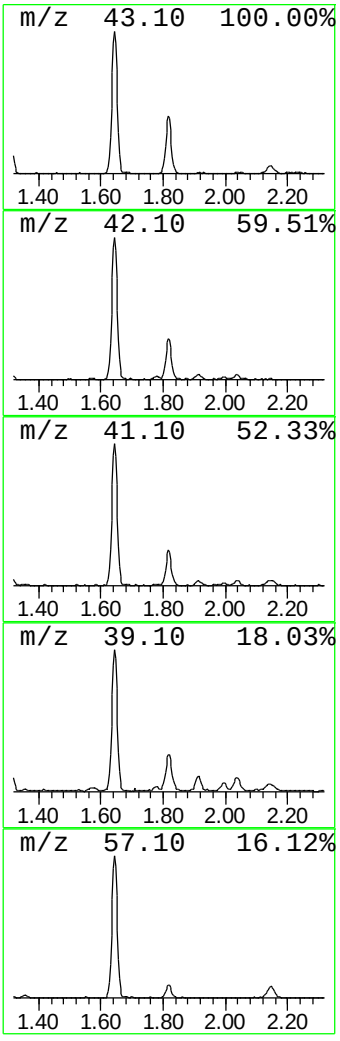
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	0.87 ug/L	152913	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	58
4	Pentane	72	C5H12	000109-66-0	53
5	Butane, 2-methyl-	72	C5H12	000078-78-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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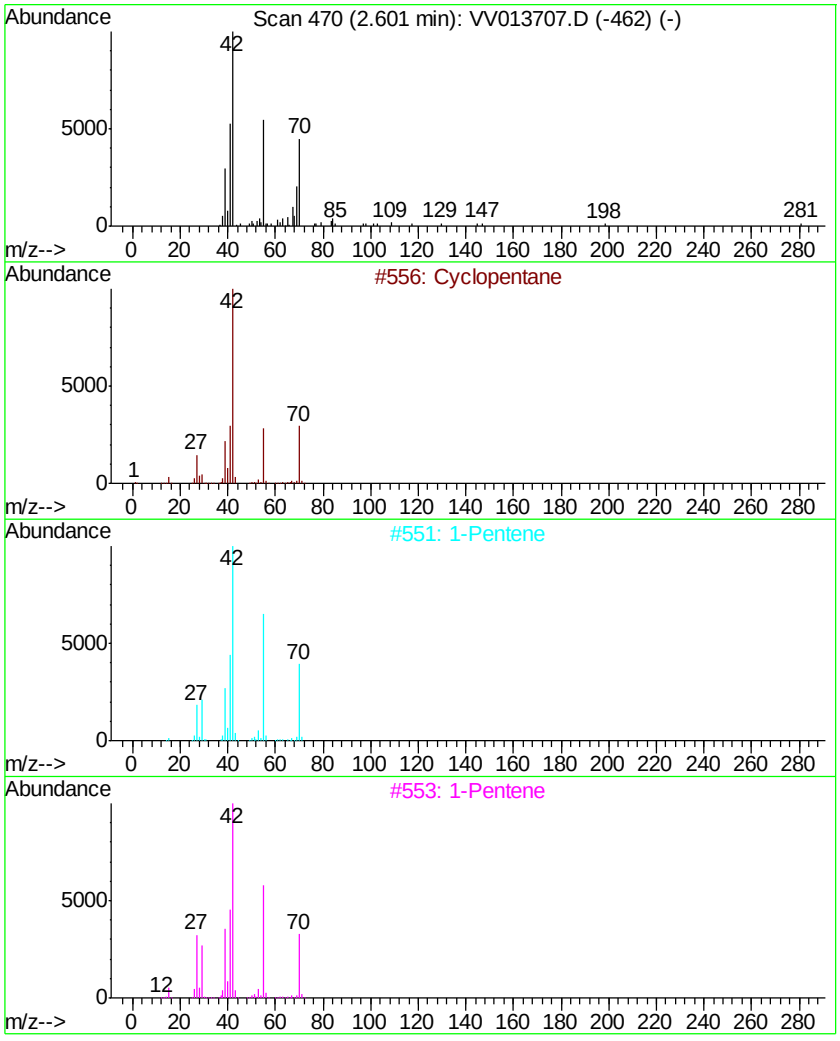
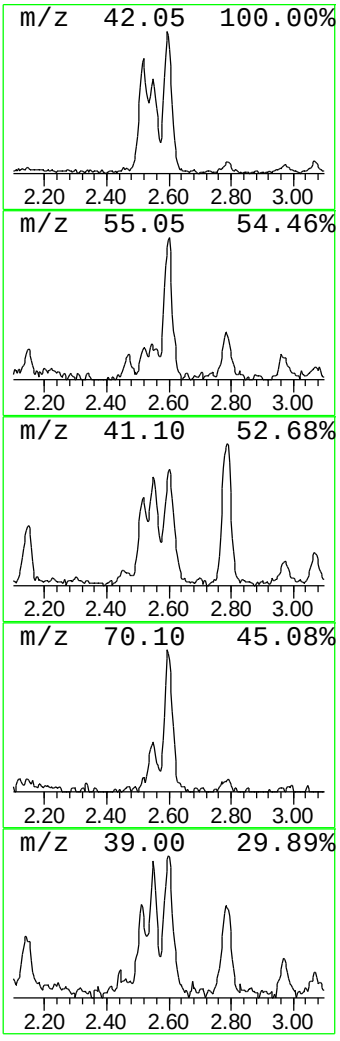
Peak Number 3 (DEL) Alkane: Cyclic2.60 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	0.53 ug/L	92355	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	64
2	1-Pentene	70	C5H10	000109-67-1	59
3	1-Pentene	70	C5H10	000109-67-1	45
4	Cyclopentane	70	C5H10	000287-92-3	9
5	1-Pentanol	88	C5H12O	000071-41-0	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

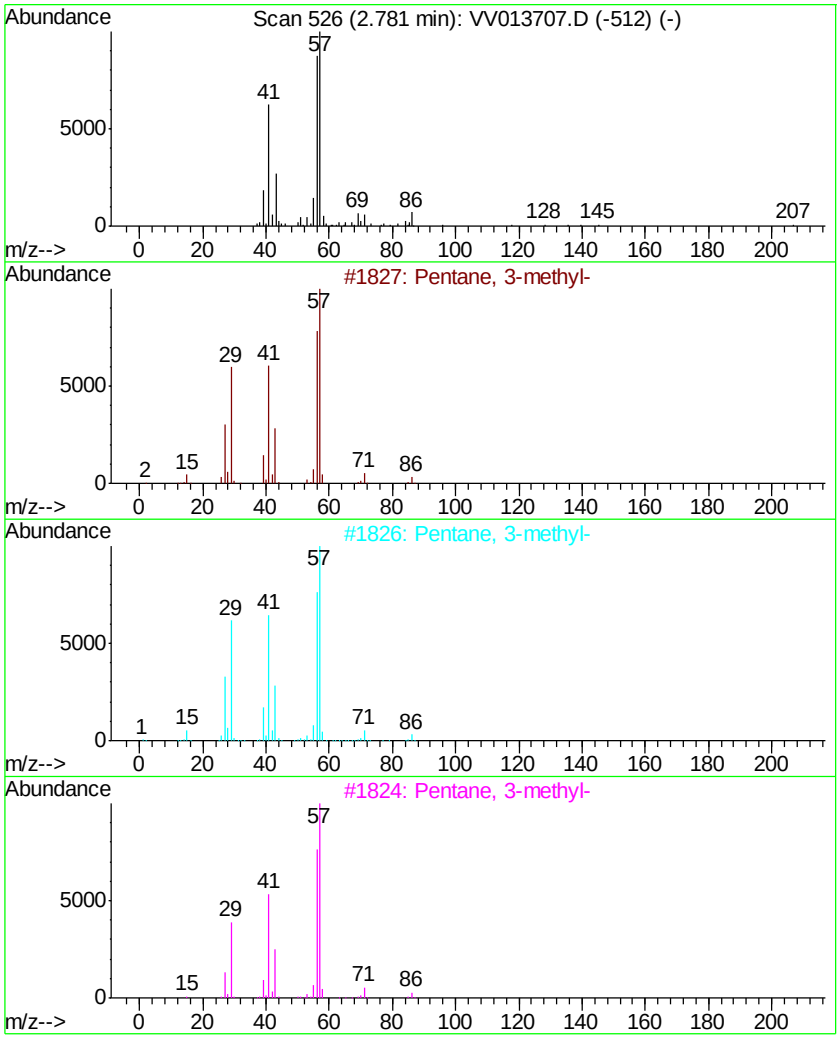
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

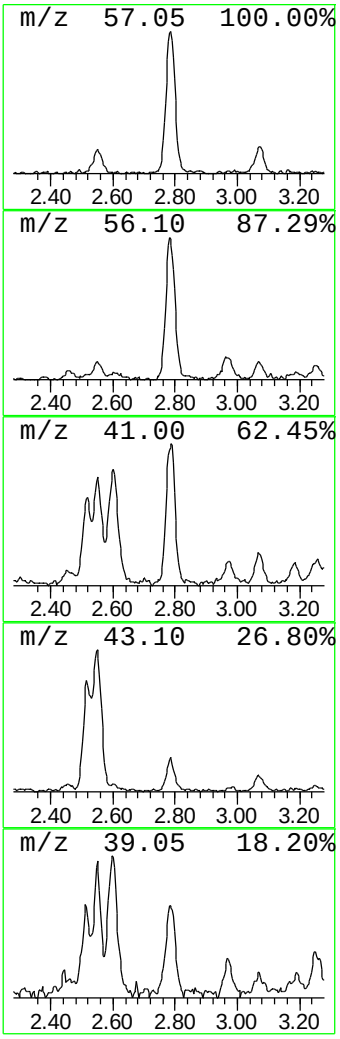
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	0.62 ug/L	107870	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	72
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

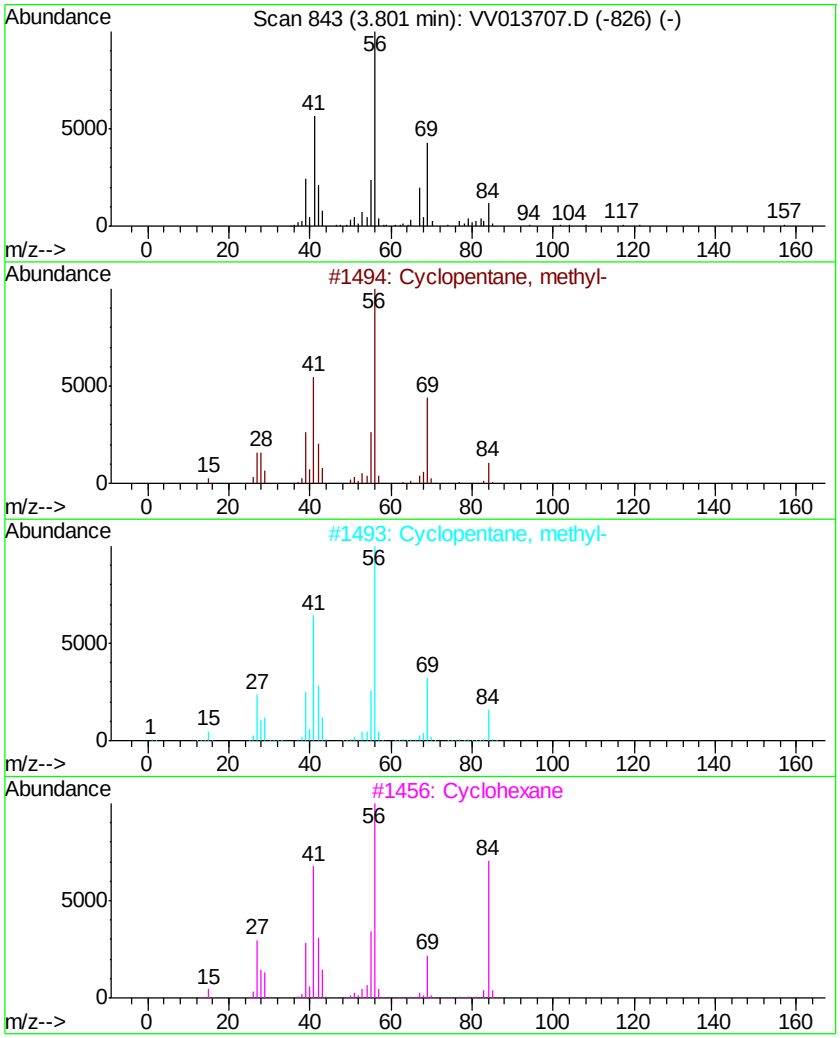
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

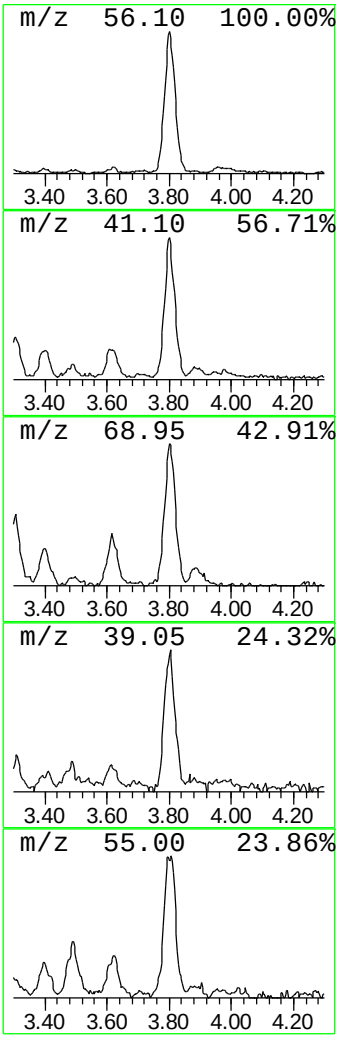
****

Peak Number 5 (DEL) Alkane: Cyclic3.80 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	1.13 ug/L	197902	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	81
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
3	Cyclohexane	84	C6H12	000110-82-7	59
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	58
5	1-Pentanol, 3-methyl-	102	C6H14O	000589-35-5	45





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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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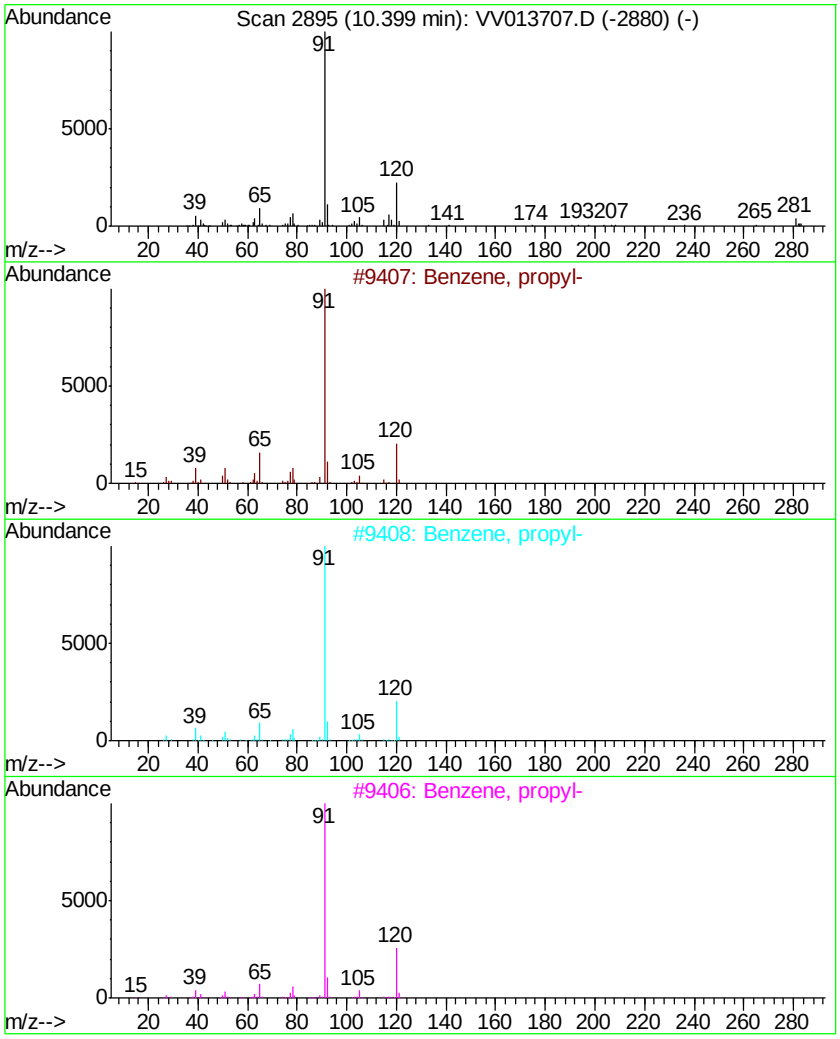
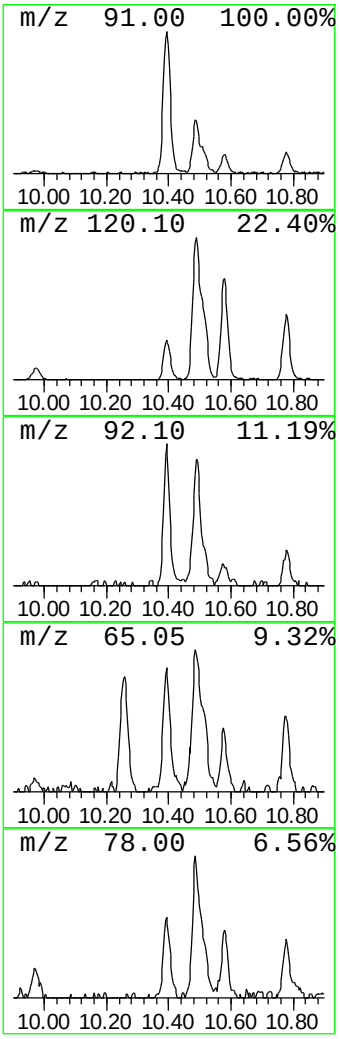
Peak Number 7 Benzene, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	0.70 ug/L	150397	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	Benzene, propyl-	120	C9H12	000103-65-1	81
3	Benzene, propyl-	120	C9H12	000103-65-1	74
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	46





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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

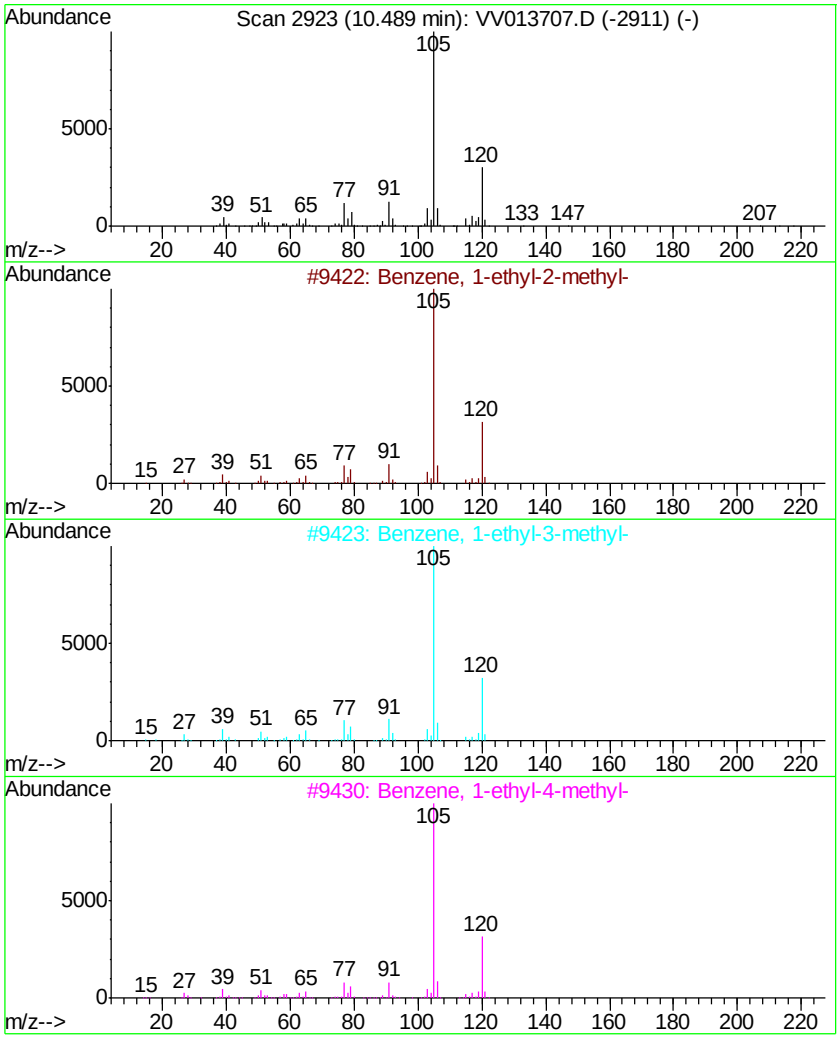
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

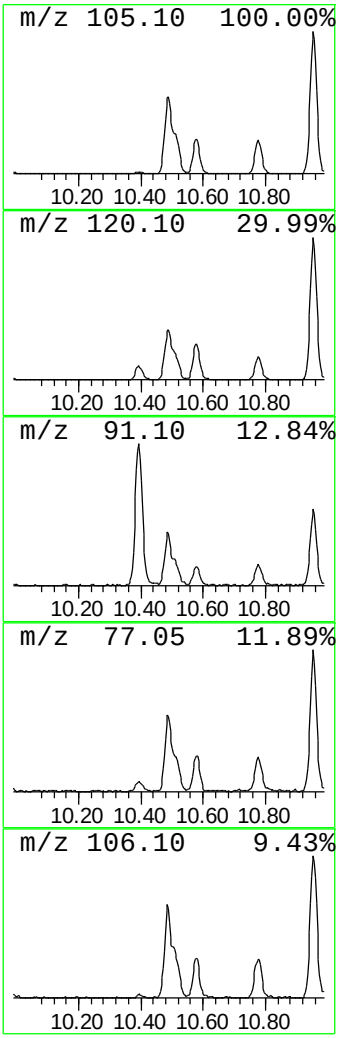
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	2.21 ug/L	474673	1,4-Dichlorobenzene-d4	11.29

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-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

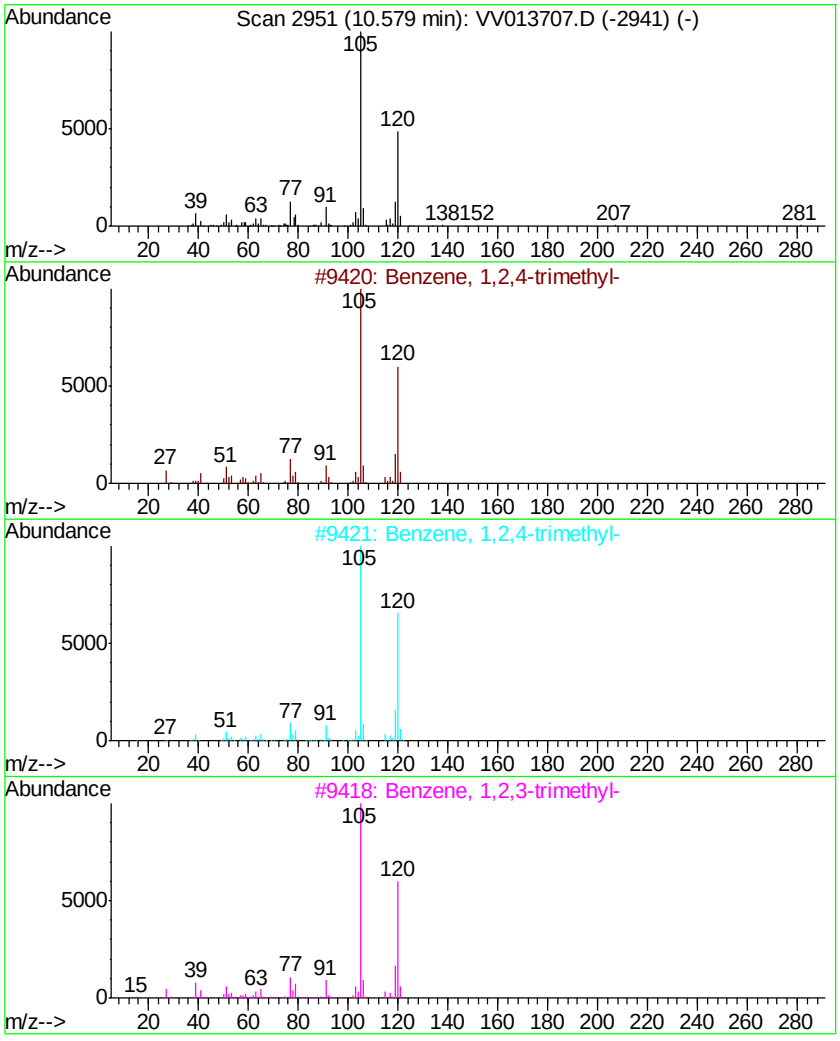
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

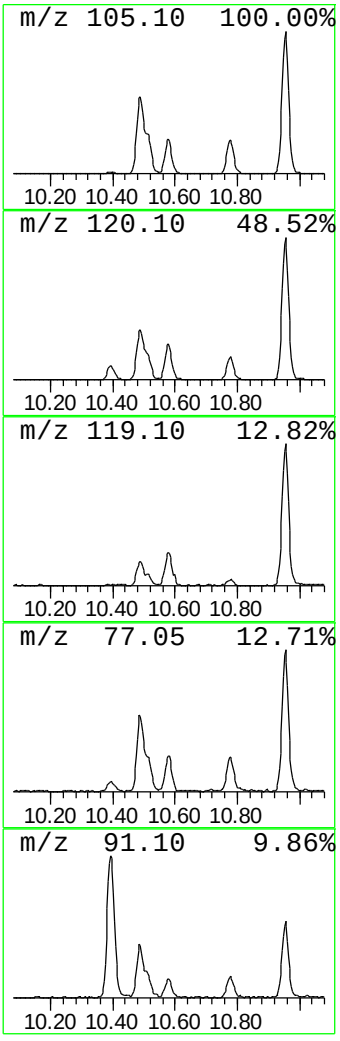
****

Peak Number 9 Benzene, 1,2,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	0.76 ug/L	163167	1,4-Dichlorobenzene-d4	11.29

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





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Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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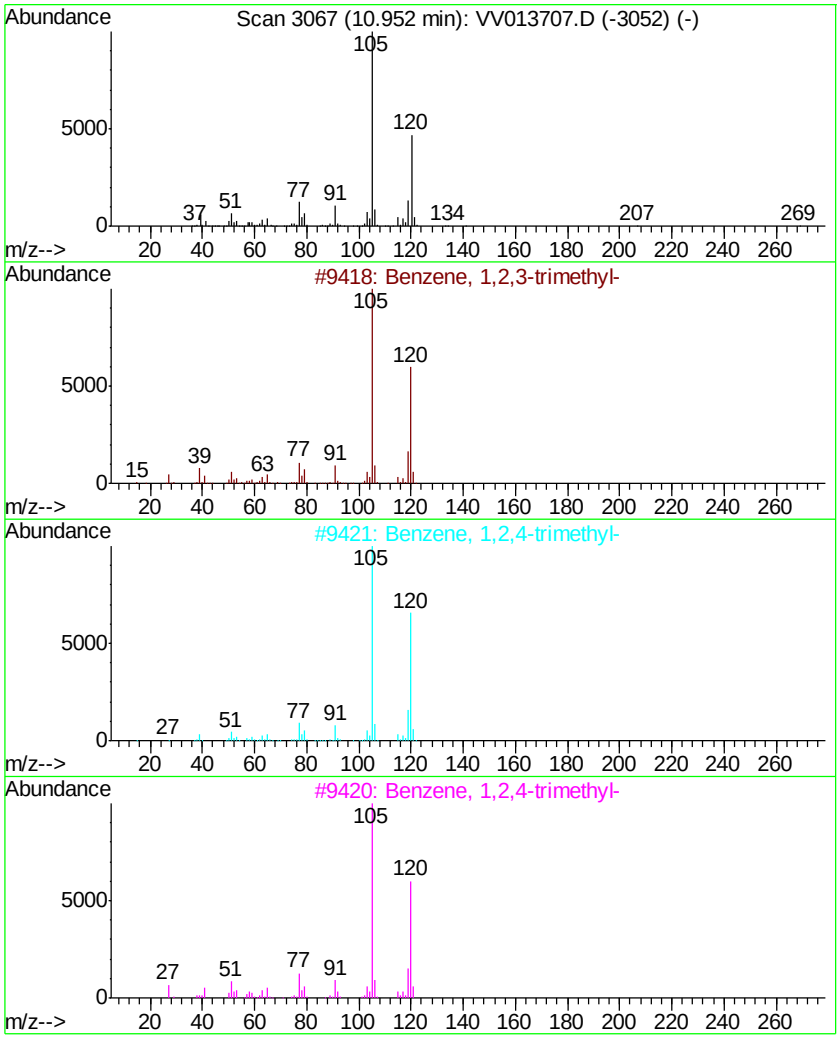
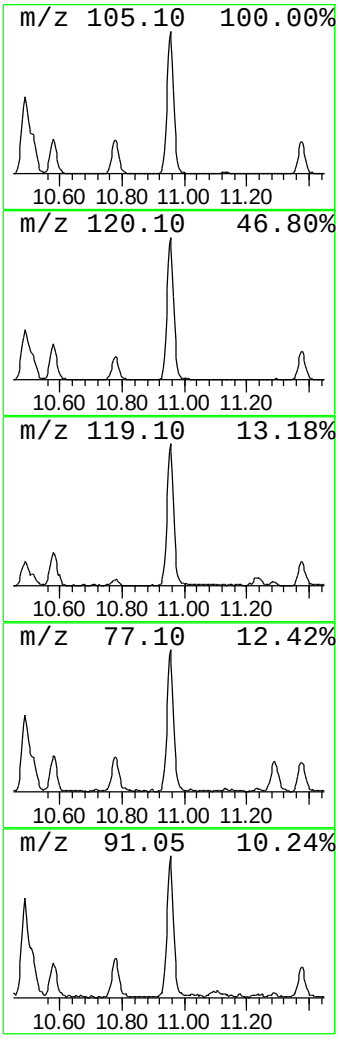
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	3.04 ug/L	653922	1,4-Dichlorobenzene-d4	11.29

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	95
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
5	Mesitylene	120	C9H12	000108-67-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DI2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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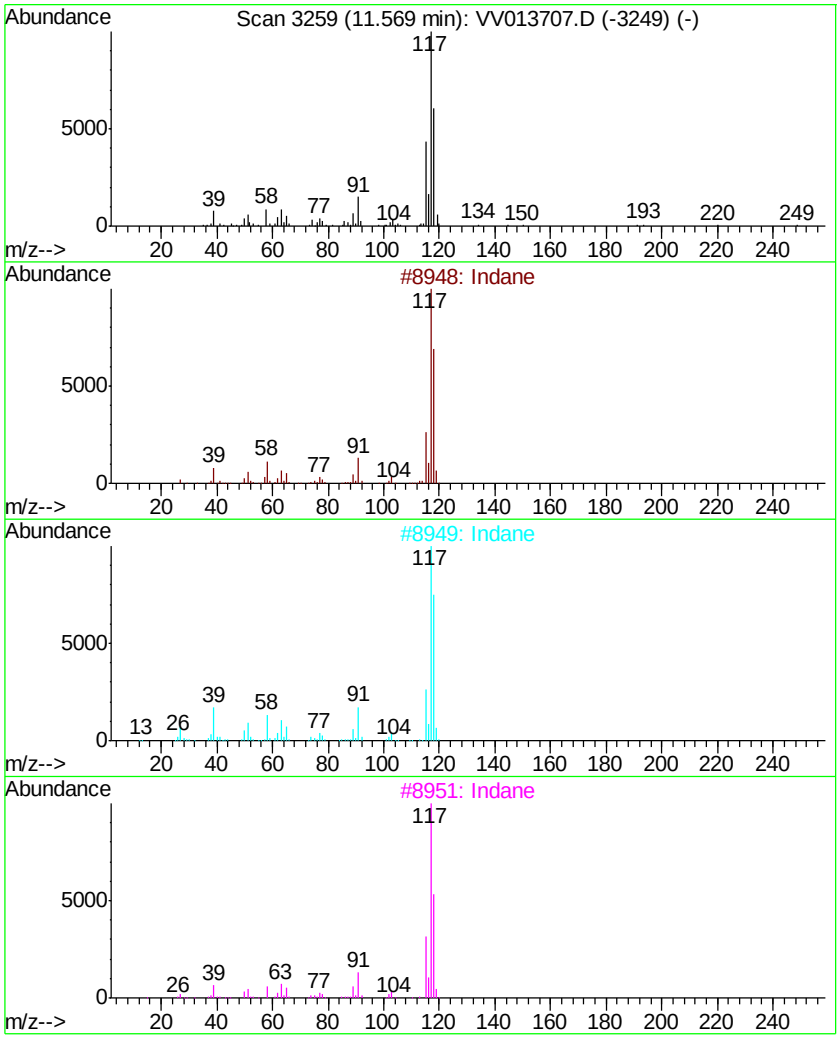
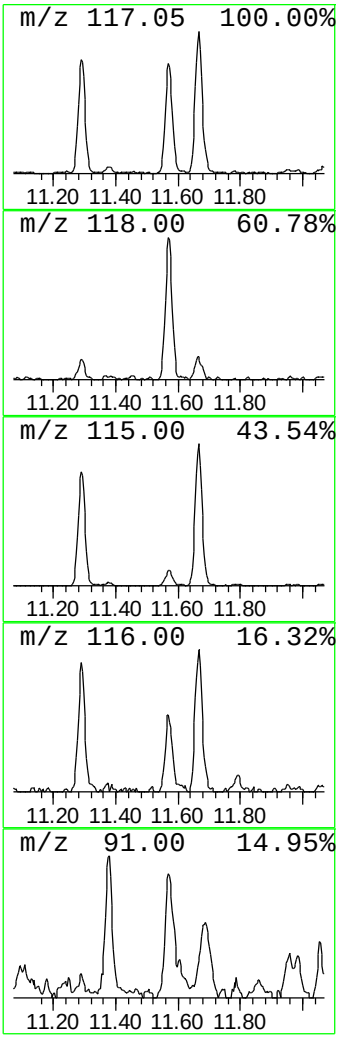
Peak Number 13 Indane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.61 ug/L	131121	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Indane	118	C9H10	000496-11-7	76
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	68
5	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112119\
Data File : VV013707.D
Acq On : 21 Nov 2019 12:44
Operator : SY/MD
Sample : K5910-21DL2 400X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4Dl2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.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...	1.64	3.3	ug/L	568507	1	5.66	874917	5.0
(DEL) Alkane: Str...	1.82	0.9	ug/L	152913	1	5.66	874917	5.0
(DEL) Alkane: Cyc...	2.60	0.5	ug/L	92355	1	5.66	874917	5.0
(DEL) Alkane: Str...	2.78	0.6	ug/L	107870	1	5.66	874917	5.0
(DEL) Alkane: Cyc...	3.80	1.1	ug/L	197902	1	5.66	874917	5.0
Benzene, propyl-	10.40	0.7	ug/L	150397	3	11.29	1076310	5.0
Benzene, 1-ethyl-...	10.49	2.2	ug/L	474673	3	11.29	1076310	5.0
Benzene, 1,2,4-tr...	10.58	0.8	ug/L	163167	3	11.29	1076310	5.0
Benzene, 1,2,3-tr...	10.95	3.0	ug/L	653922	3	11.29	1076310	5.0
Indane	11.57	0.6	ug/L	131121	3	11.29	1076310	5.0