LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

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\SOMVTR061720WMA.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	1.116	3	8	21	rVB	755127	684936	7.25%	2.648%
2	1.322	60	72	82	rBV	3275147	3753114	39.74%	14.510%
3	1.428	99	105	110	rBV	114851	133392	1.41%	0.516%
4	1.576	146	151	165	rVB2	103718	150358	1.59%	0.581%
5	1.782	208	215	222	rBV	95569	117287	1.24%	0.453%
6	2.132	314	324	339	rVB3	201472	349086	3.70%	1.350%
7	2.782	511	526	550	rBV	1425486	2489033	26.36%	9.623%
8	3.942	868	887	924	rBV	3865435	9443139	100.00%	36.509%
9	4.383	1009	1024	1044	rBV	110788	268620	2.84%	1.039%
10	5.077	1224	1240	1251	rBV3	224981	563510	5.97%	2.179%
11	5.646	1405	1417	1441	rBV	220578	449381	4.76%	1.737%
12	5.939	1491	1508	1535	rBV	1478701	2866091	30.35%	11.081%
13	6.097	1548	1557	1574	rVB	124254	239727	2.54%	0.927%
14	7.010	1830	1841	1857	rBV	64743	118154	1.25%	0.457%
15	7.341	1932	1944	1957	rBV	264576	459948	4.87%	1.778%
16	7.412	1957	1966	1981	rVB	159030	272198	2.88%	1.052%
17	8.109	2171	2183	2215	rBV	241795	450986	4.78%	1.744%
18	8.875	2409	2421	2438	rBV	331314	541378	5.73%	2.093%
19	9.161	2499	2510	2522	rBV2	77871	130230	1.38%	0.503%
20	10.238	2827	2845	2864	rVB2	95179	160091	1.70%	0.619%
21	11.270	3156	3166	3181	rBV	360806	553135	5.86%	2.139%
22	11.357	3181	3193	3207	rVB	113436	175812	1.86%	0.680%
23	11.553	3241	3254	3263	rBV3	78690	160501	1.70%	0.621%
24	11.646	3273	3283	3305	rVB3	357574	634667	6.72%	2.454%
25	12.038	3390	3405	3423	rVB	69827	123932	1.31%	0.479%
26	12.161	3425	3443	3458	rBV3	37109	96433	1.02%	0.373%
27	12.337	3487	3498	3508	rBV	66645	106741	1.13%	0.413%
28	12.434	3519	3528	3536	rBV	69562	98866	1.05%	0.382%
29	12.489	3536	3545	3558	rVB	94868	138196	1.46%	0.534%
30	15.389	4425	4447	4457	rBV3	56612	136064	1.44%	0.526%

Sum of corrected areas: 25865006

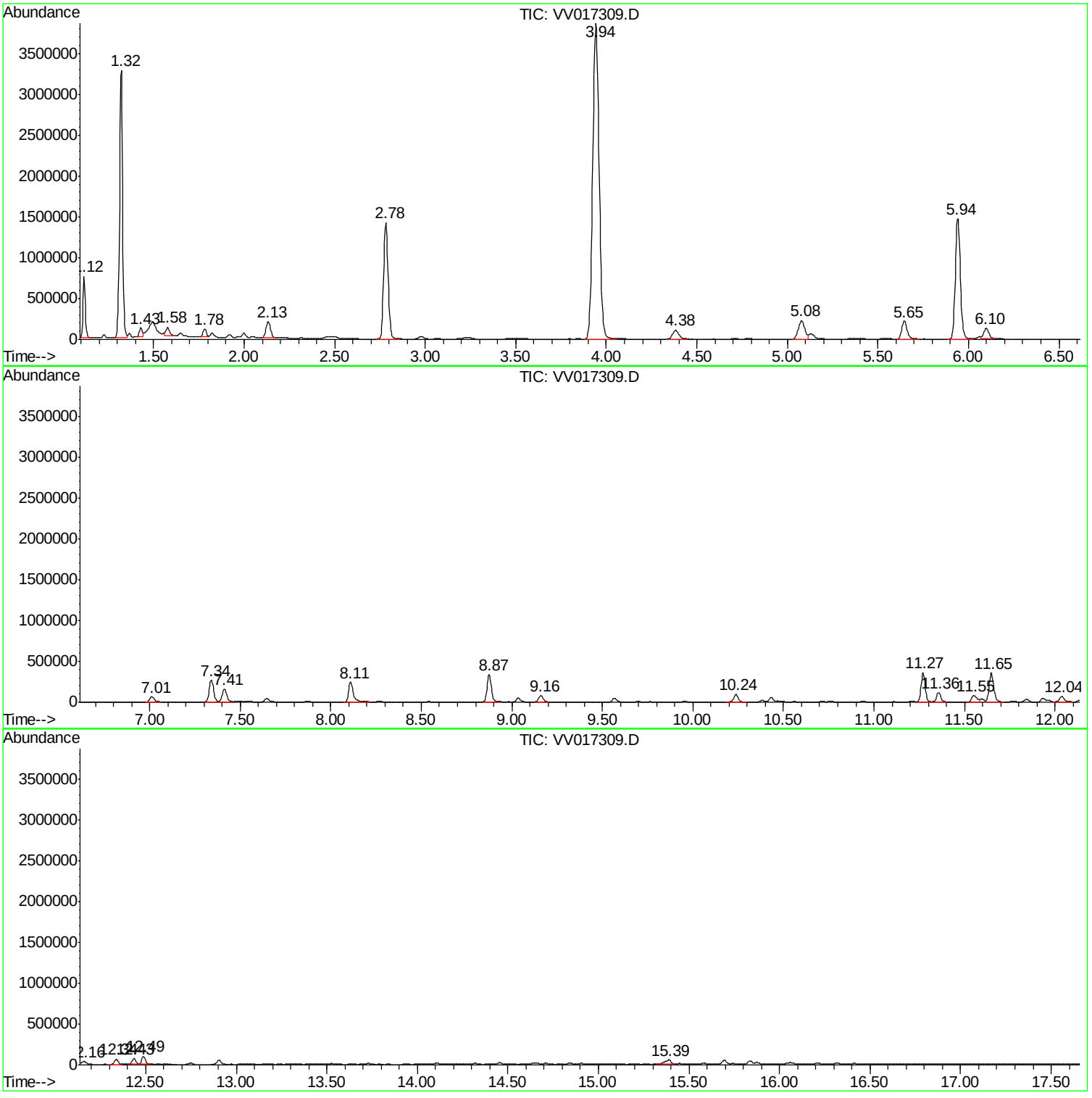
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.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\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

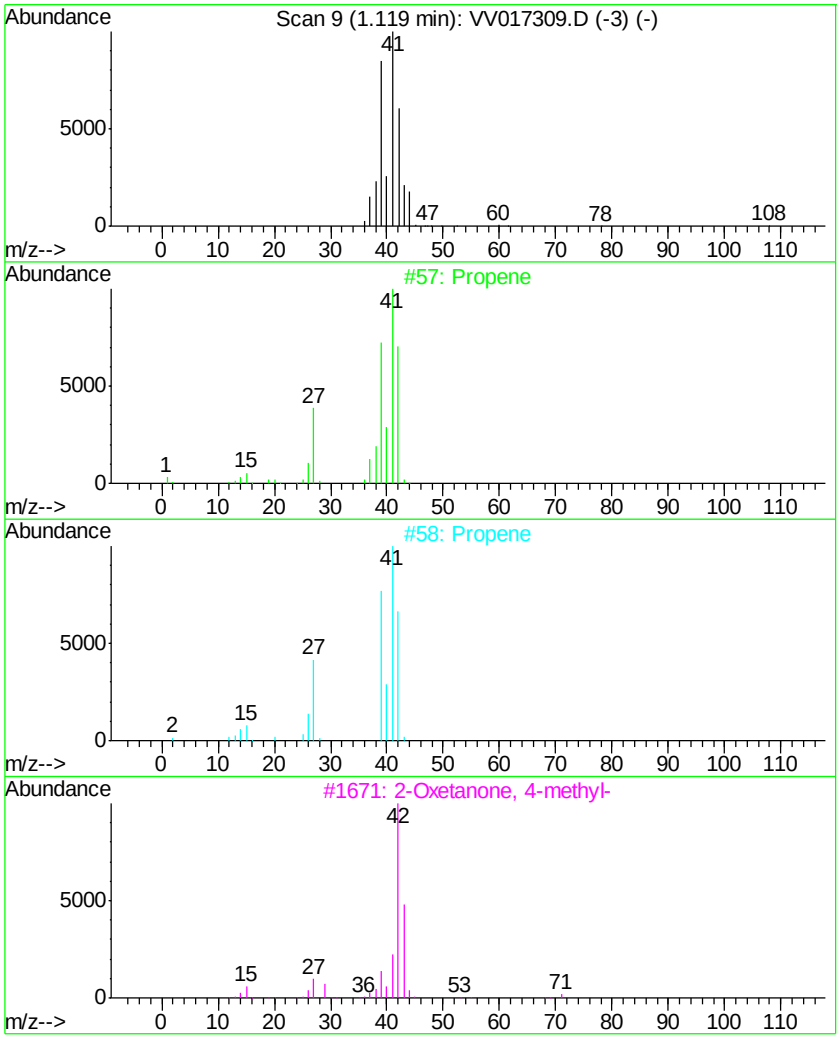
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

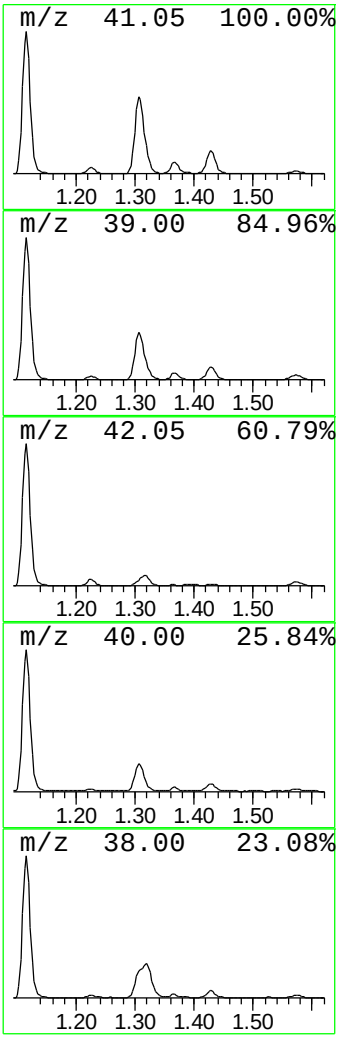
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.12	7.62 ug/L	684936	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	9
4	Cyclopropene	40	C3H4	002781-85-3	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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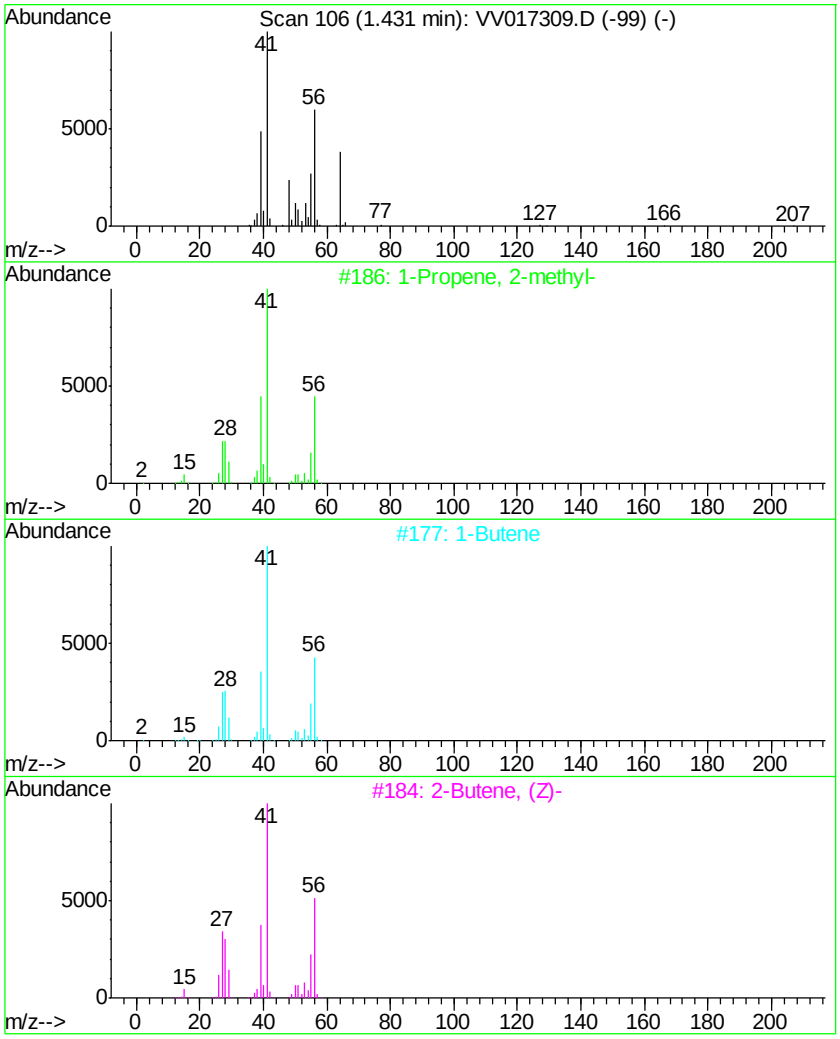
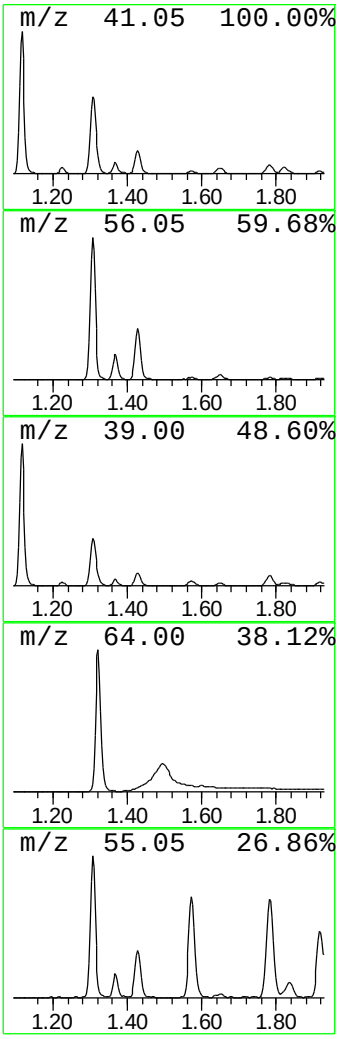
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.43	1.48 ug/L	133392	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	62
2	1-Butene	56	C4H8	000106-98-9	58
3	2-Butene, (Z)-	56	C4H8	000590-18-1	58
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	53
5	2-Butene	56	C4H8	000107-01-7	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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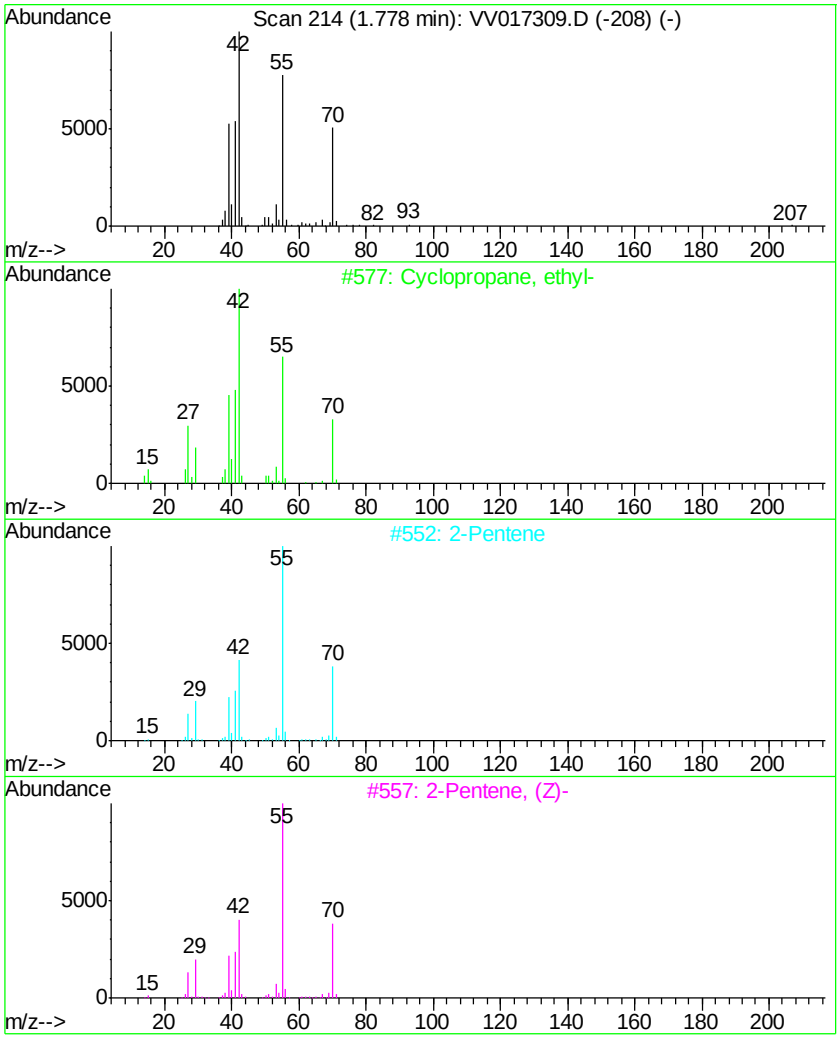
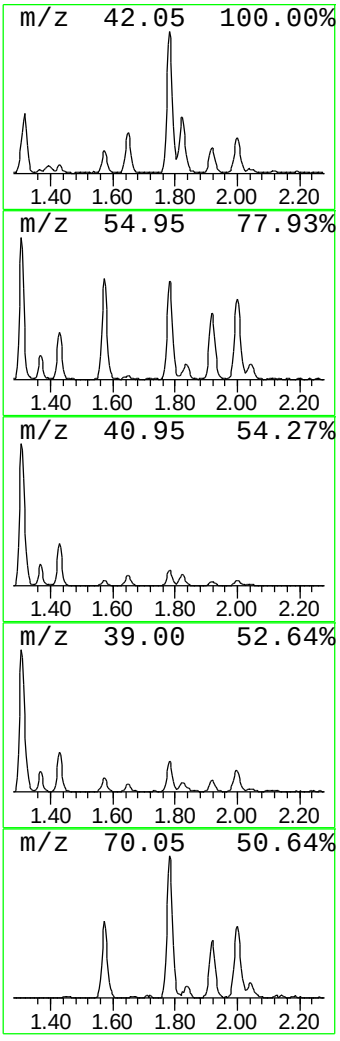
Peak Number 3 (DEL) Alkane: Cyclic1.78 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	1.30 ug/L	117287	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	87
2	2-Pentene	70	C5H10	000109-68-2	80
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	80
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	72
5	1-Pentene	70	C5H10	000109-67-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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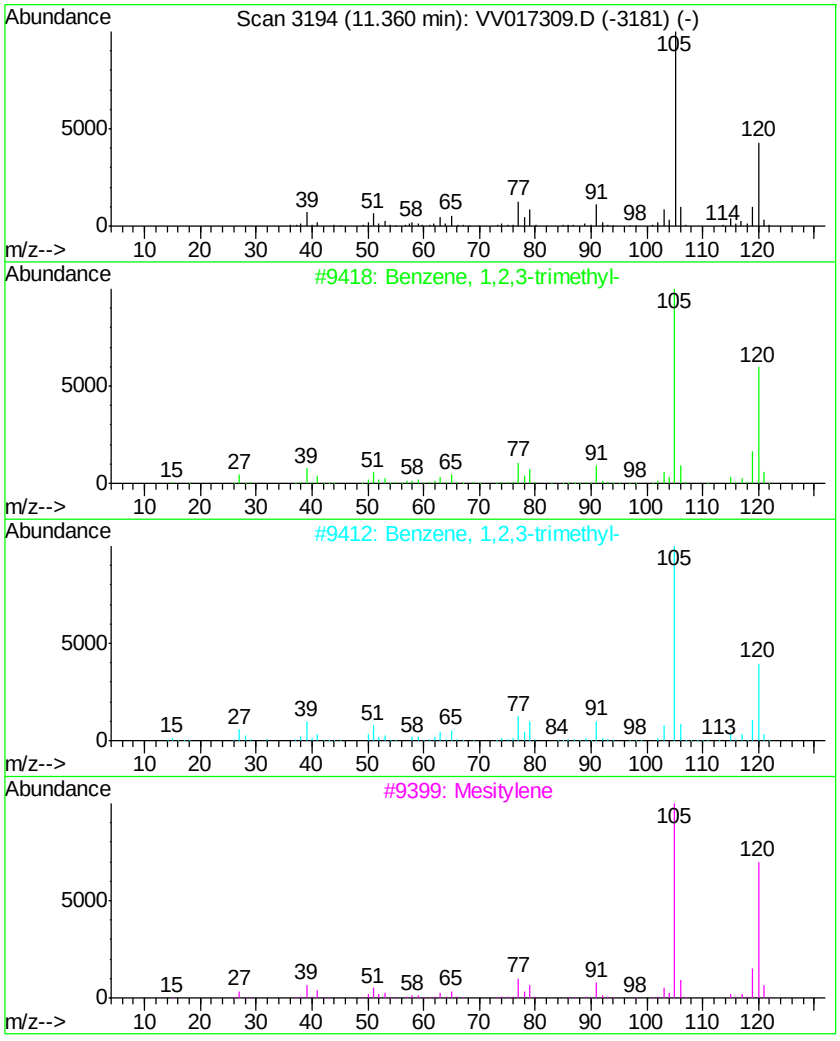
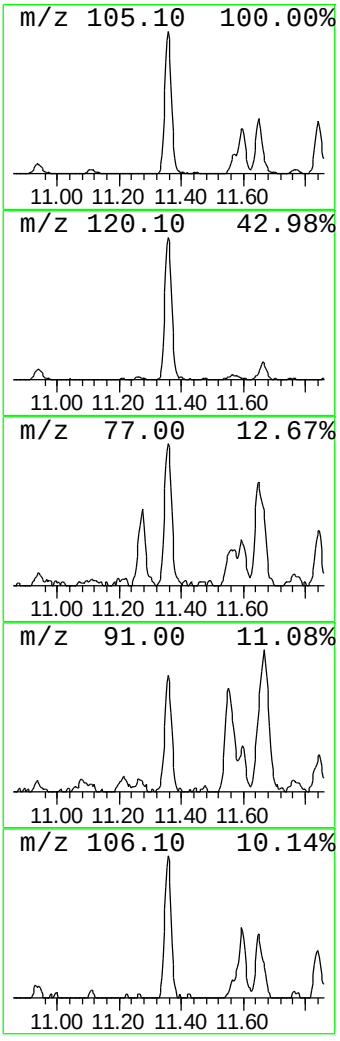
Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	1.59 ug/L	175812	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

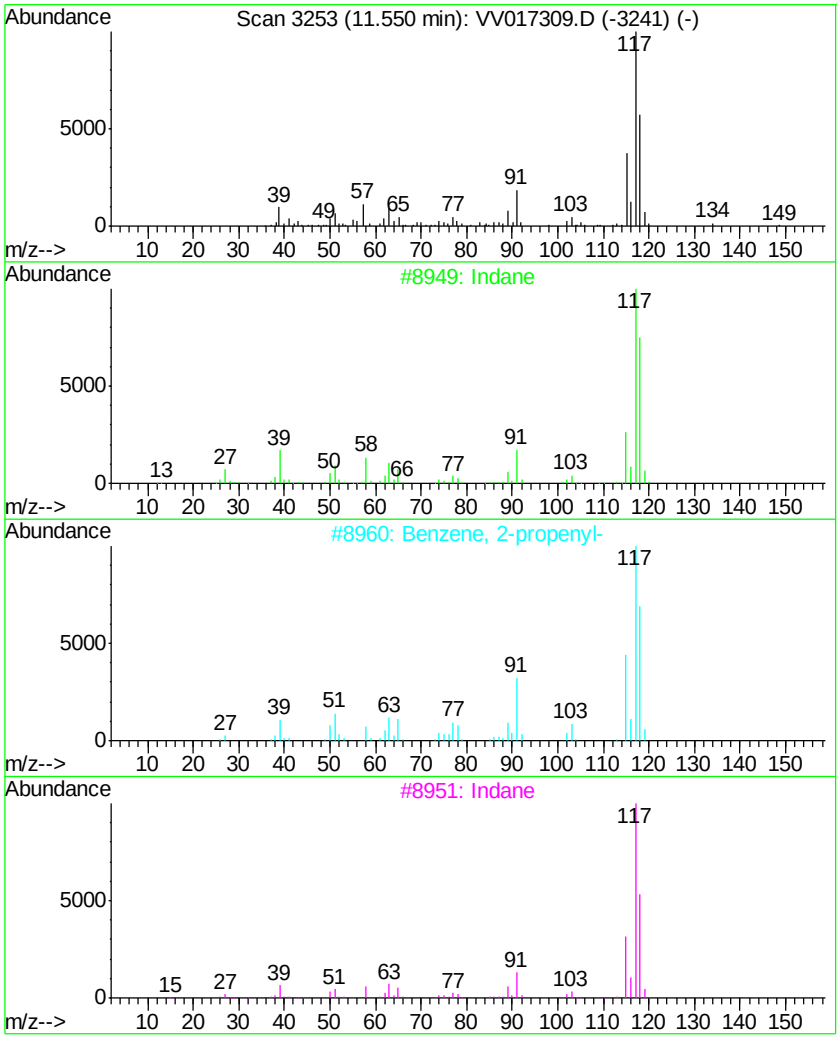
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

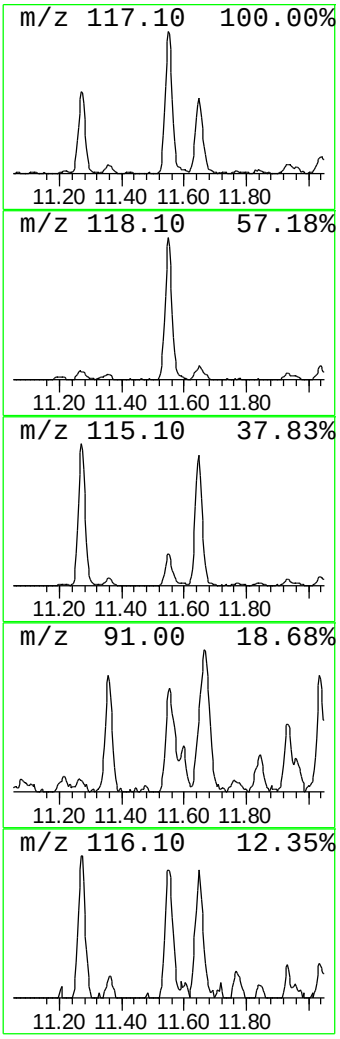
****

Peak Number 6 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	1.45 ug/L	160501	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Indane	118	C9H10	000496-11-7	81
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	76
5	Indane	118	C9H10	000496-11-7	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

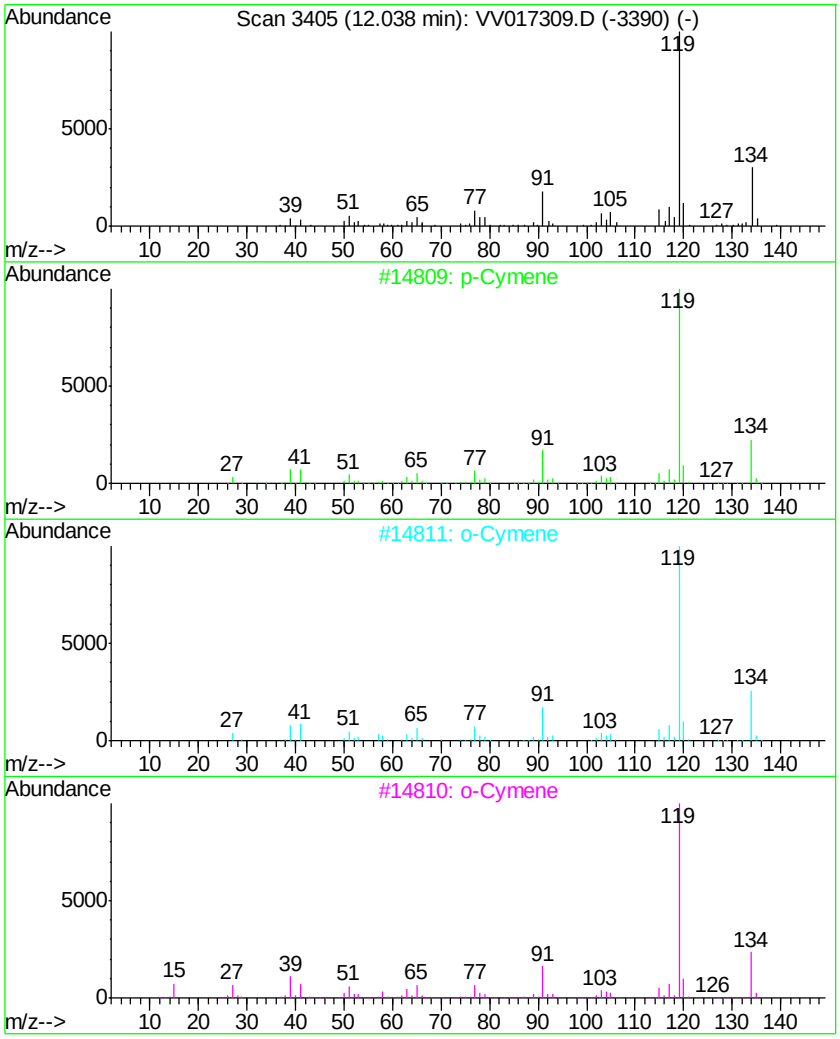
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

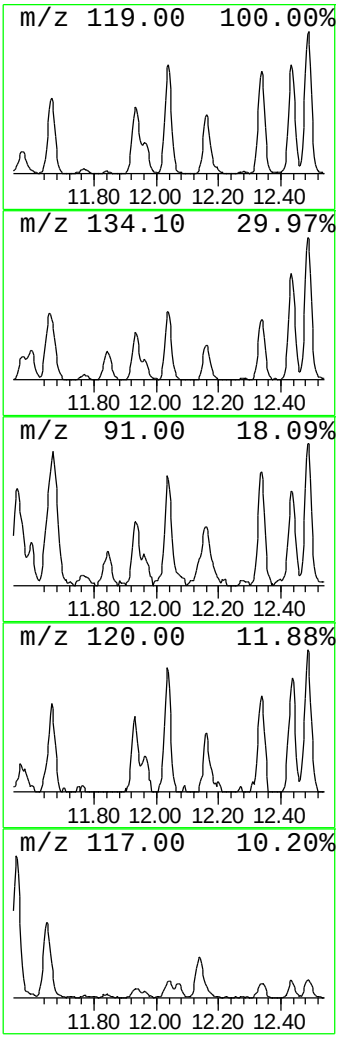
****

Peak Number 7 p-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	1.12 ug/L	123932	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
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Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

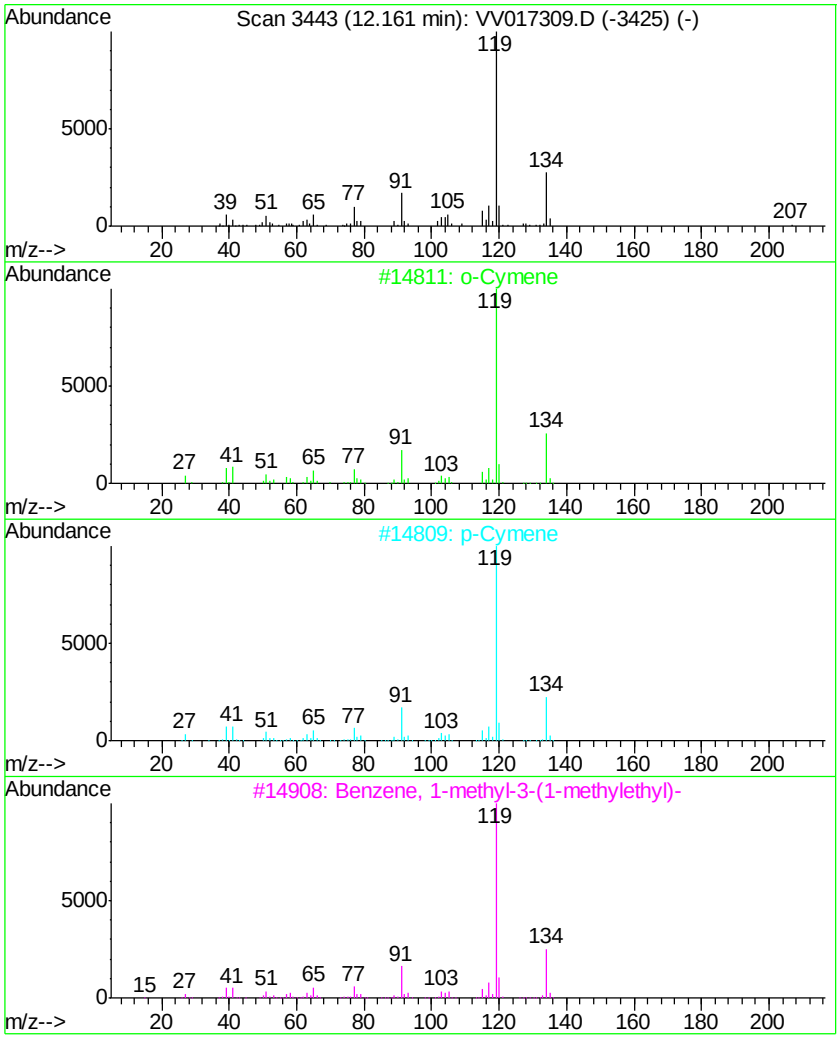
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

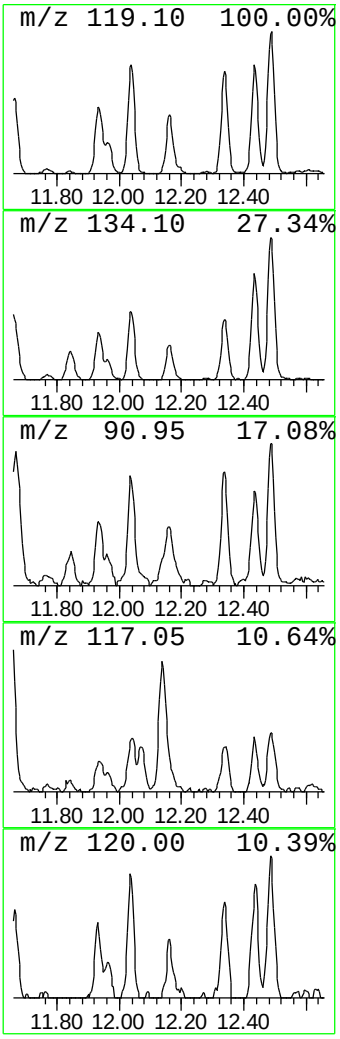
****

Peak Number 8 o-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	0.87 ug/L	96433	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
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Operator : SY/MD
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

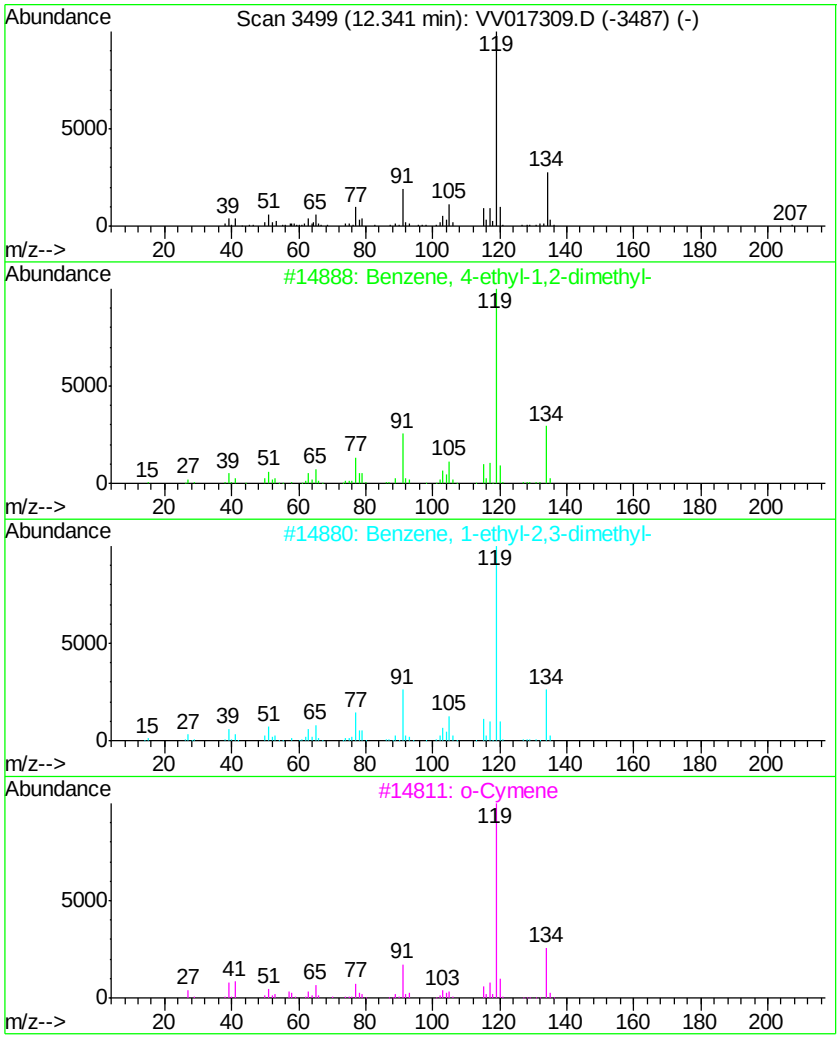
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

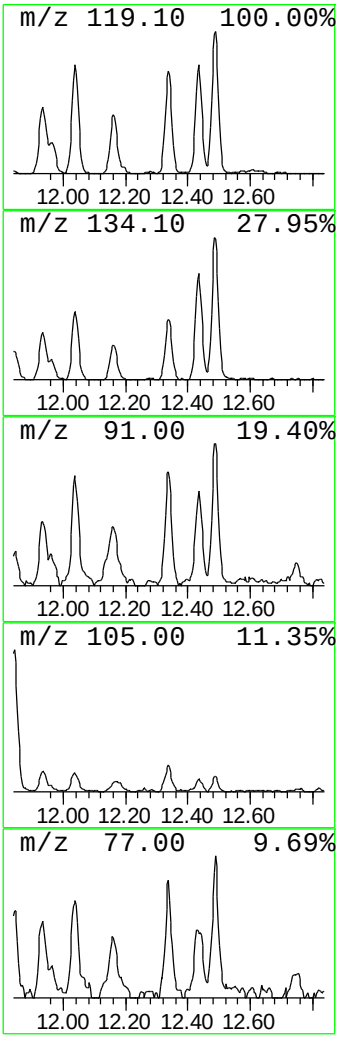
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	0.96 ug/L	106741	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





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Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

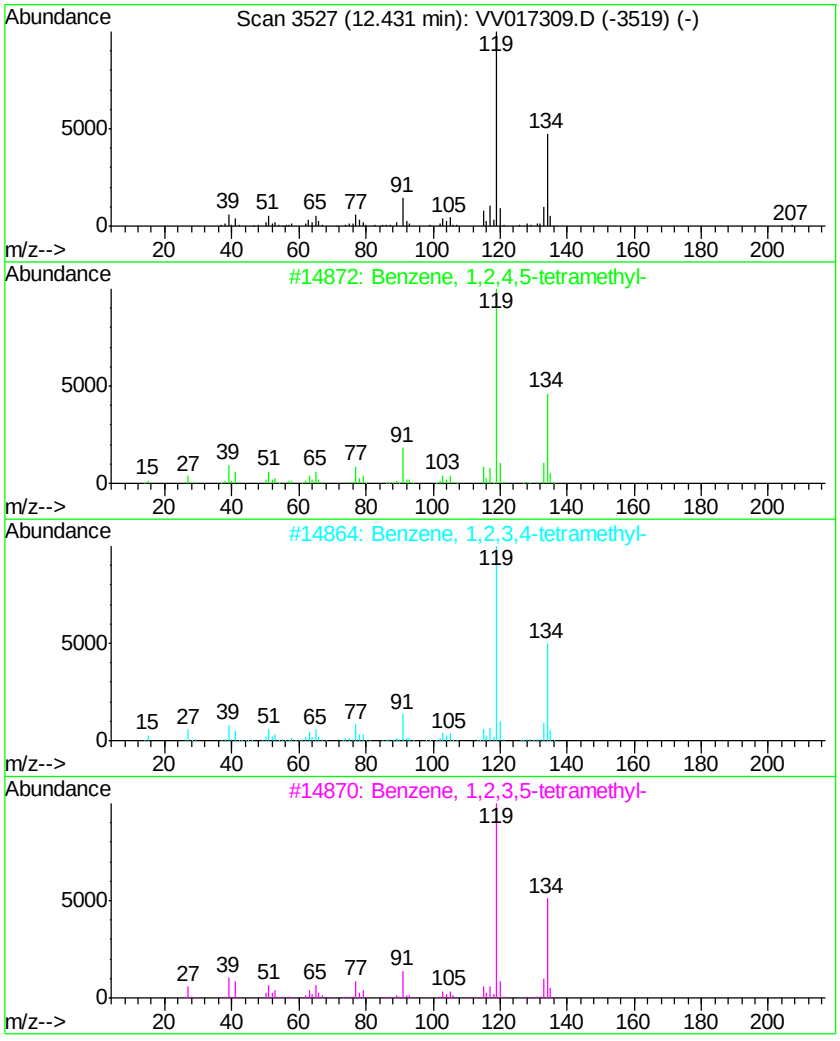
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

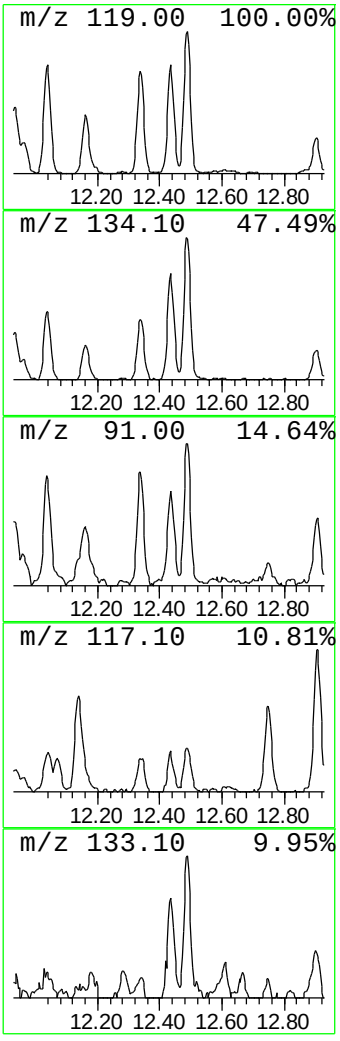
****

Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	0.89 ug/L	98866	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

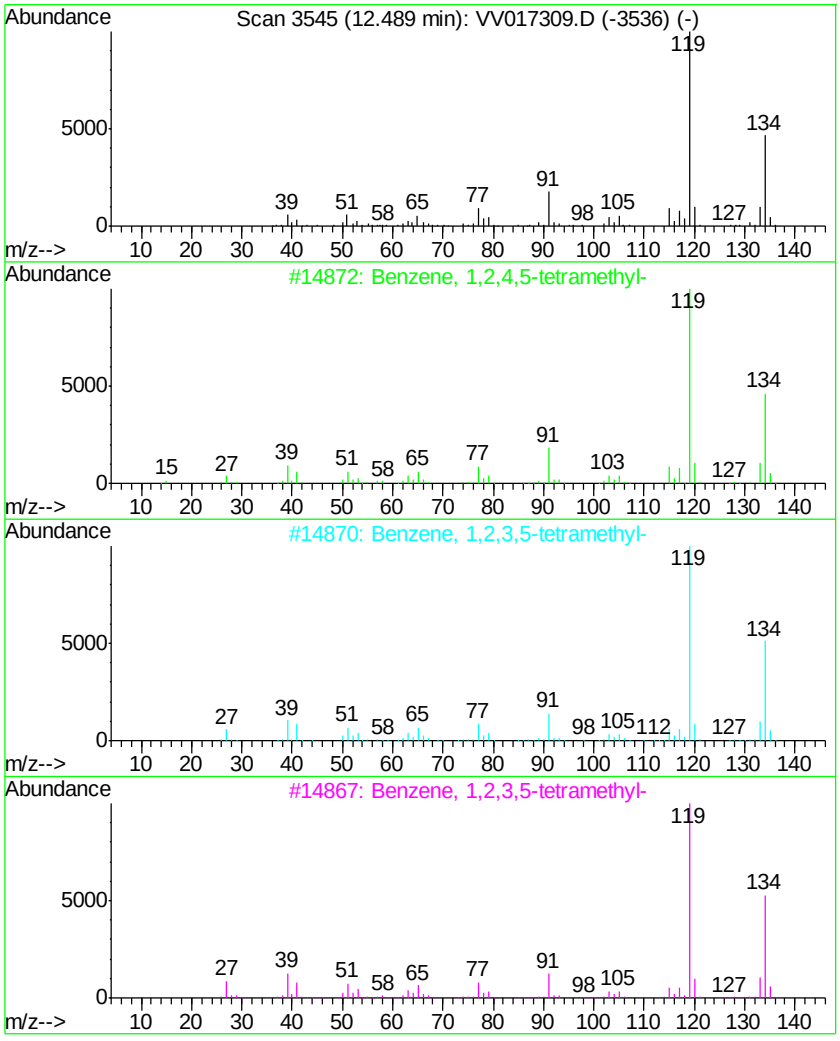
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

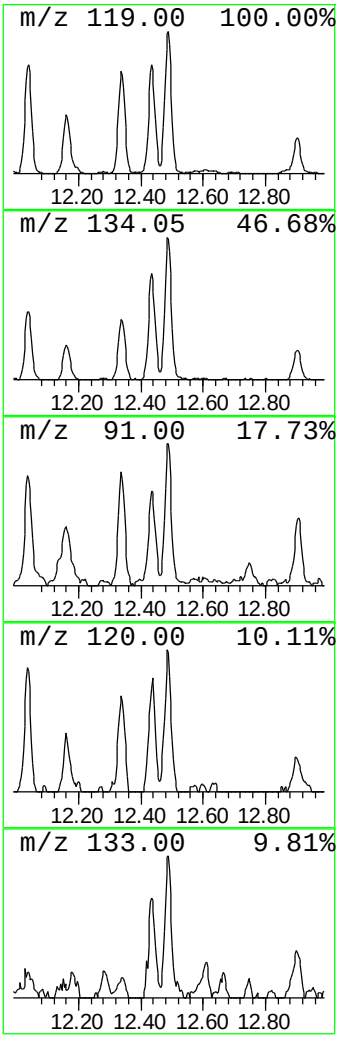
****

Peak Number 11 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	1.25 ug/L	138196	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017309.D
Acq On : 02 Jul 2020 14:32
Operator : SY/MD
Sample : L3154-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4307

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.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	7.6	ug/L	684936	1	5.65	449381	5.0
(DEL) Alkane: Str...	1.43	1.5	ug/L	133392	1	5.65	449381	5.0
(DEL) Alkane: Cyc...	1.78	1.3	ug/L	117287	1	5.65	449381	5.0
Benzene, 1,2,3-tr...	11.36	1.6	ug/L	175812	3	11.27	553135	5.0
Indane	11.55	1.5	ug/L	160501	3	11.27	553135	5.0
p-Cymene	12.04	1.1	ug/L	123932	3	11.27	553135	5.0
o-Cymene	12.16	0.9	ug/L	96433	3	11.27	553135	5.0
Benzene, 4-ethyl-...	12.34	1.0	ug/L	106741	3	11.27	553135	5.0
Benzene, 1,2,4,5-...	12.43	0.9	ug/L	98866	3	11.27	553135	5.0
Benzene, 1,2,3,5-...	12.49	1.3	ug/L	138196	3	11.27	553135	5.0