LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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_R\METHODS\SOMRTR073018WMA.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	1.621	40	48	79	rBV	6086252	22687534	100.00%	34.417%
2	3.641	367	380	389	rBV	192537	647480	2.85%	0.982%
3	4.900	573	587	602	rBV2	300146	1148489	5.06%	1.742%
4	5.813	722	737	761	rBV	6121227	20255439	89.28%	30.727%
5	7.206	957	966	977	rBV2	230076	601409	2.65%	0.912%
6	7.857	1065	1073	1089	rBV2	470820	1282451	5.65%	1.945%
7	8.112	1106	1115	1127	rBV	356330	810211	3.57%	1.229%
8	8.465	1165	1173	1185	rBV	569107	1088522	4.80%	1.651%
9	8.903	1237	1245	1250	rBV	296040	592376	2.61%	0.899%
10	9.974	1414	1421	1428	rBV	855447	1409688	6.21%	2.138%
11	10.594	1516	1523	1533	rBV2	518272	959972	4.23%	1.456%
12	11.288	1631	1637	1644	rBV	861391	1298966	5.73%	1.971%
13	11.391	1649	1654	1665	rVV	333108	566020	2.49%	0.859%
14	11.829	1715	1726	1736	rBV	621846	1022345	4.51%	1.551%
15	12.365	1809	1814	1824	rVB3	183586	355269	1.57%	0.539%
16	12.614	1850	1855	1861	rVB	725071	970955	4.28%	1.473%
17	12.772	1874	1881	1886	rBV	534283	773876	3.41%	1.174%
18	12.912	1900	1904	1913	rVB3	168898	299431	1.32%	0.454%
19	13.040	1913	1925	1930	rBV8	150435	477755	2.11%	0.725%
20	13.222	1950	1955	1957	rVV	1033257	1443695	6.36%	2.190%
21	13.253	1957	1960	1967	rVB	1689934	2353340	10.37%	3.570%
22	13.356	1973	1977	1985	rVB2	339524	499559	2.20%	0.758%
23	13.466	1991	1995	1999	rBV2	315442	430390	1.90%	0.653%
24	13.514	1999	2003	2007	rBV	721029	976717	4.31%	1.482%
25	13.873	2051	2062	2066	rBV2	231453	505137	2.23%	0.766%
26	14.007	2080	2084	2089	rVB2	337953	484571	2.14%	0.735%
27	14.086	2090	2097	2100	rBV3	220189	432428	1.91%	0.656%
28	14.129	2100	2104	2110	rVB	318738	488662	2.15%	0.741%
29	14.457	2147	2158	2167	rVB2	528529	1057270	4.66%	1.604%

Sum of corrected areas: 65919957

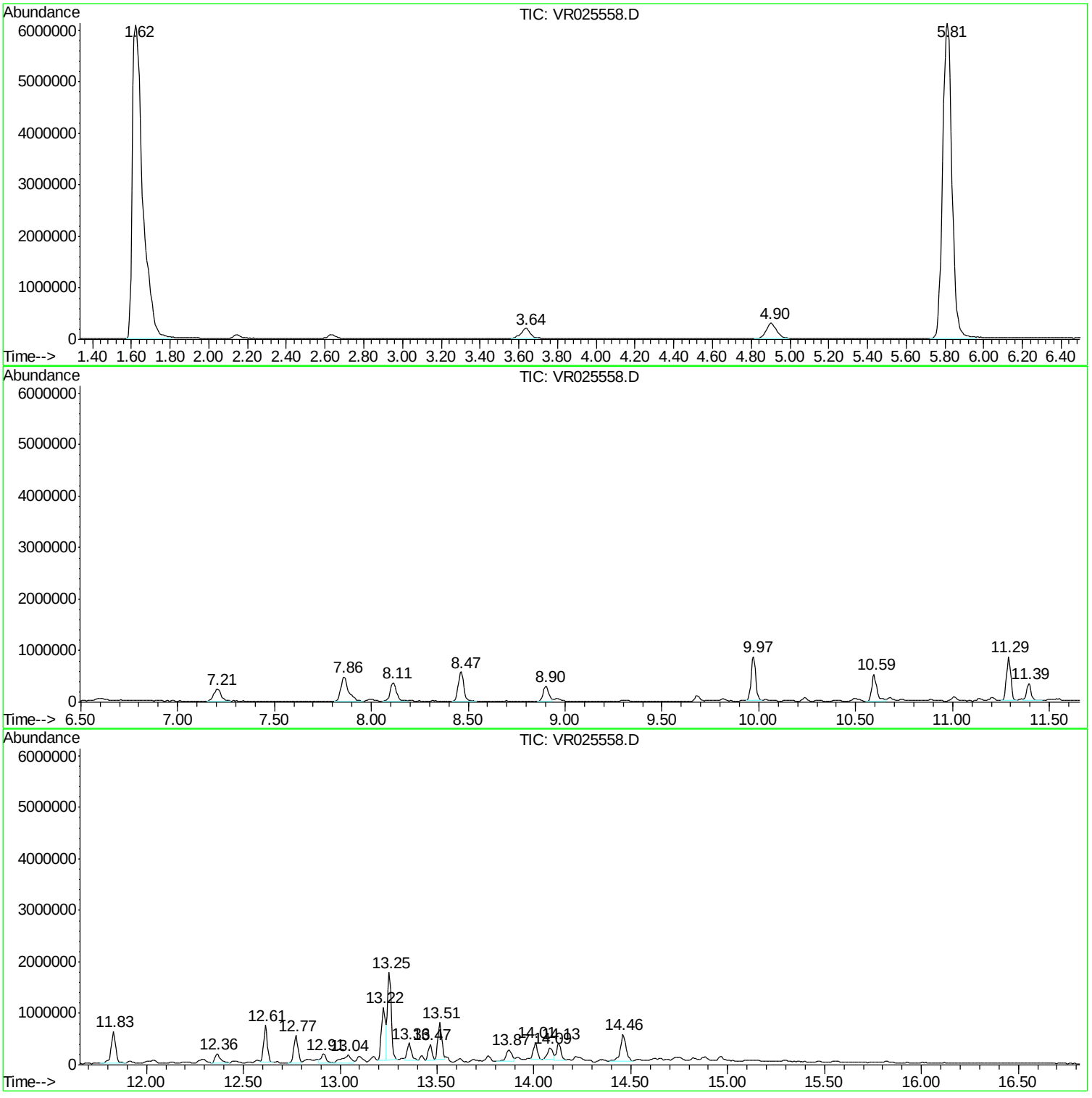
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.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_R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

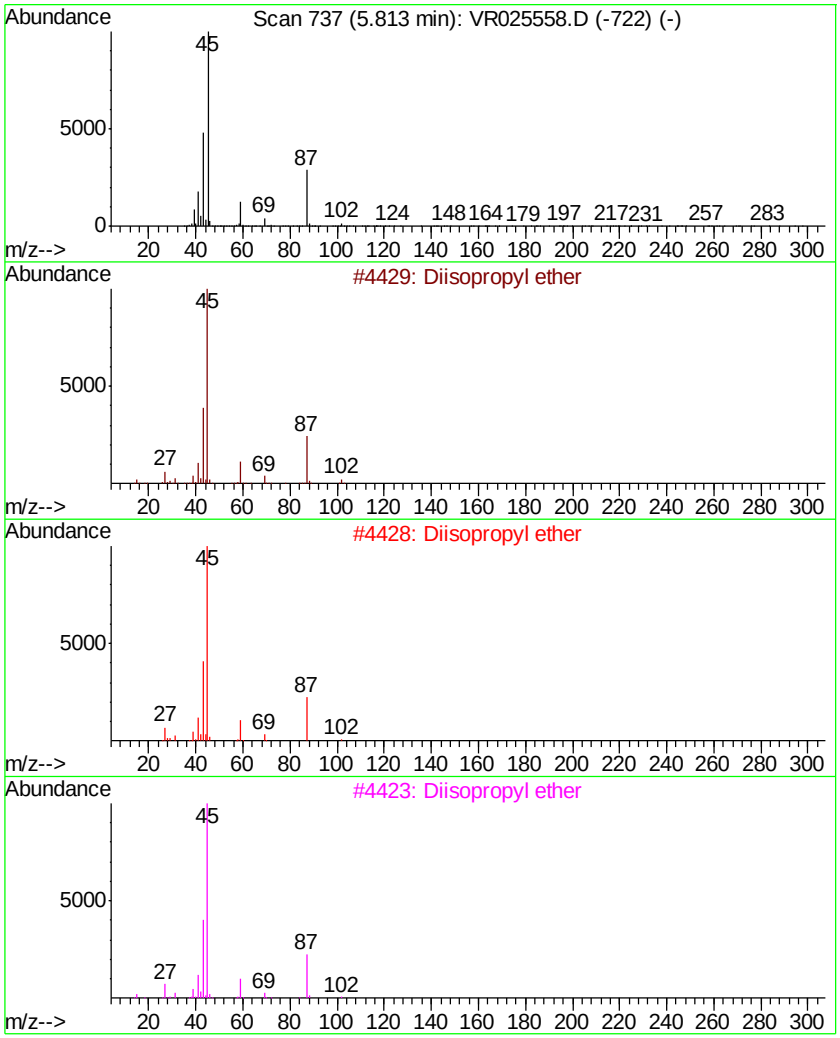
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

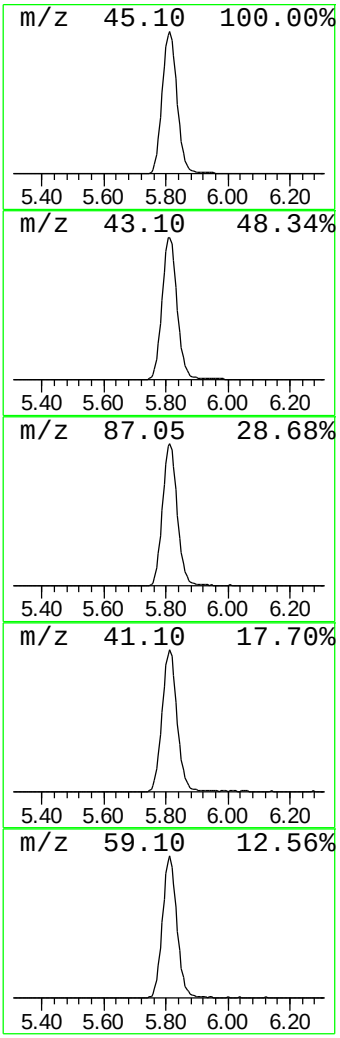
****

Peak Number 2 Diisopropyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.81	93.04 ug/L	20255400	1,4-Difluorobenzene	8.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	83
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78
5	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

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

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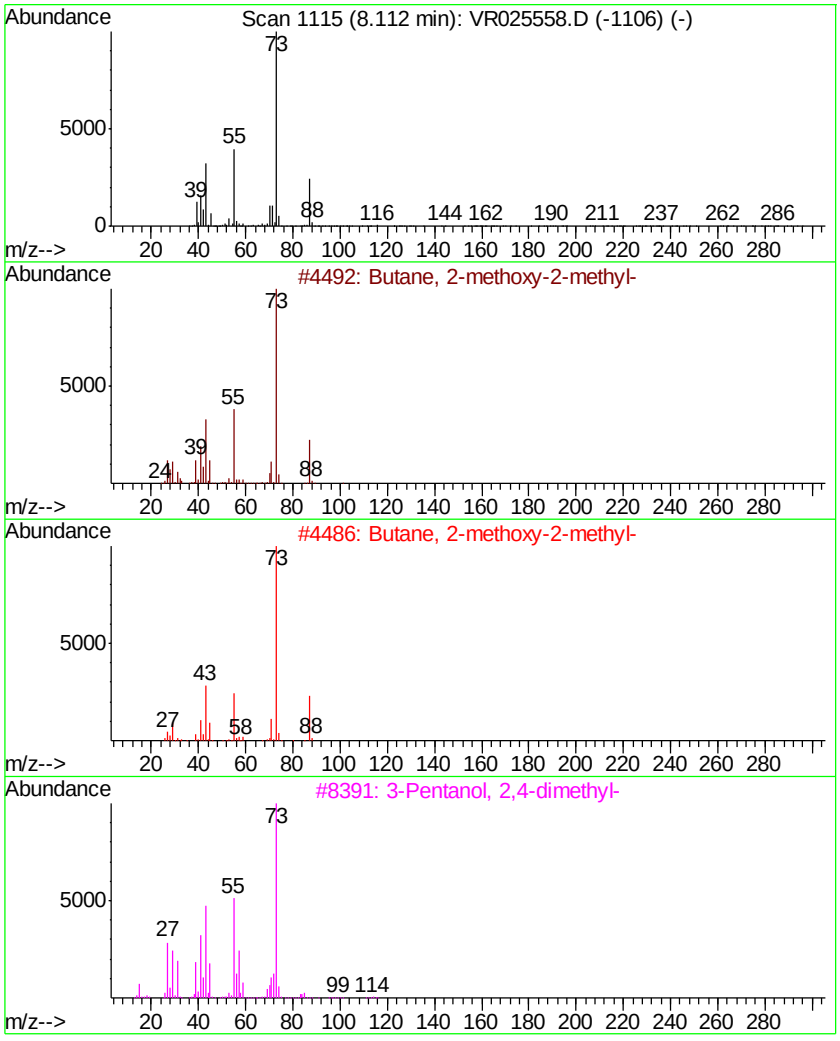
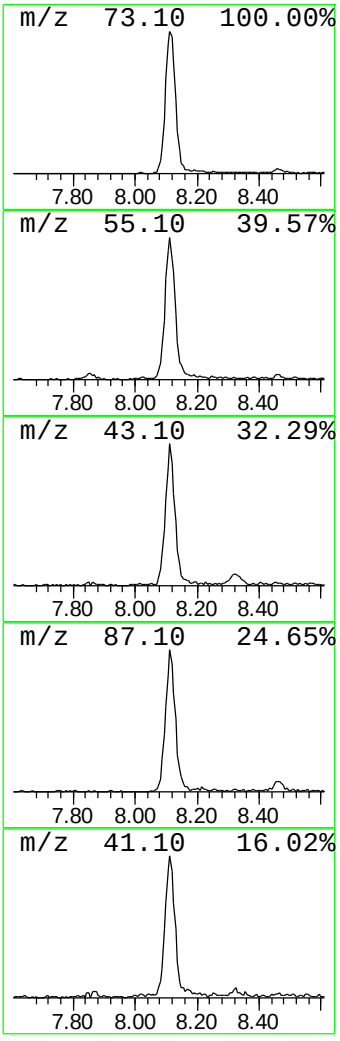
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	3.72 ug/L	810211	1,4-Difluorobenzene	8.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	38
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	28
4	Oxirane-2-carboxylic acid, ethyl...	116	C5H8O3	1000192-50-3	10
5	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

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

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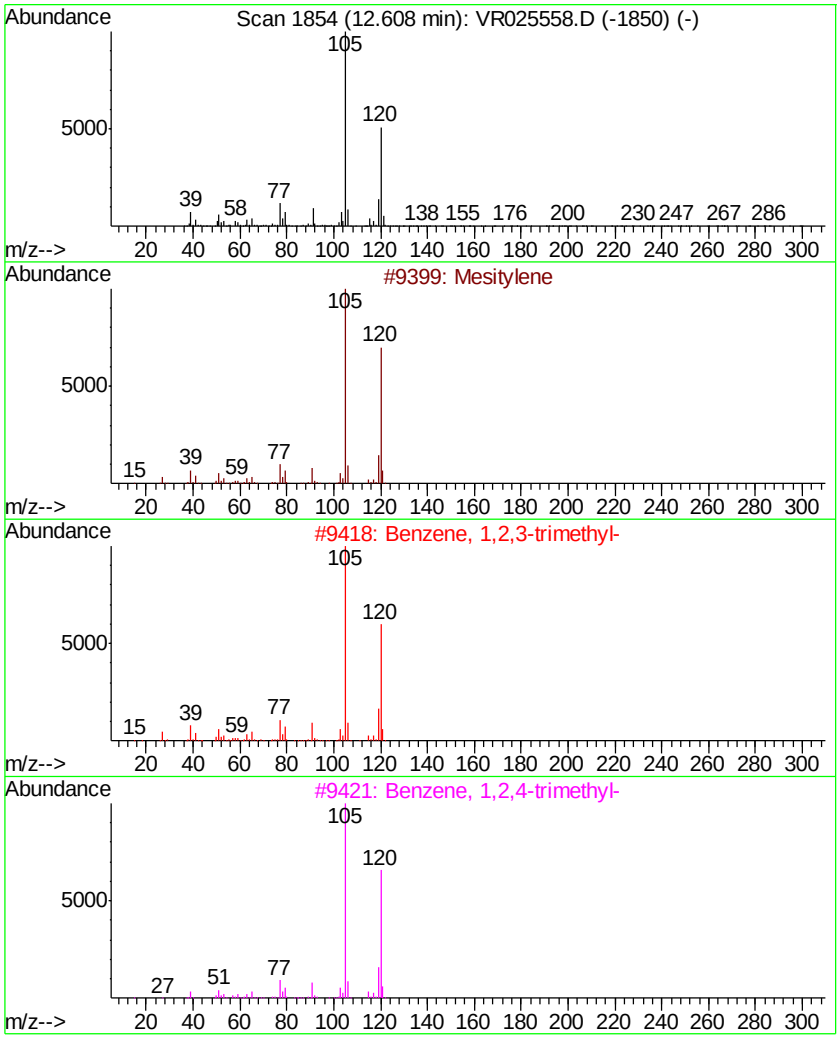
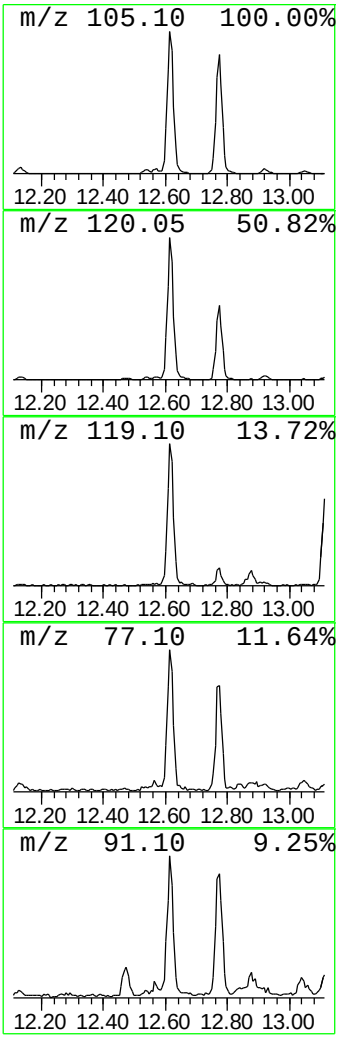
Peak Number 4 Mesitylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	3.36 ug/L	970955	1,4-Dichlorobenzene-d4	13.22

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

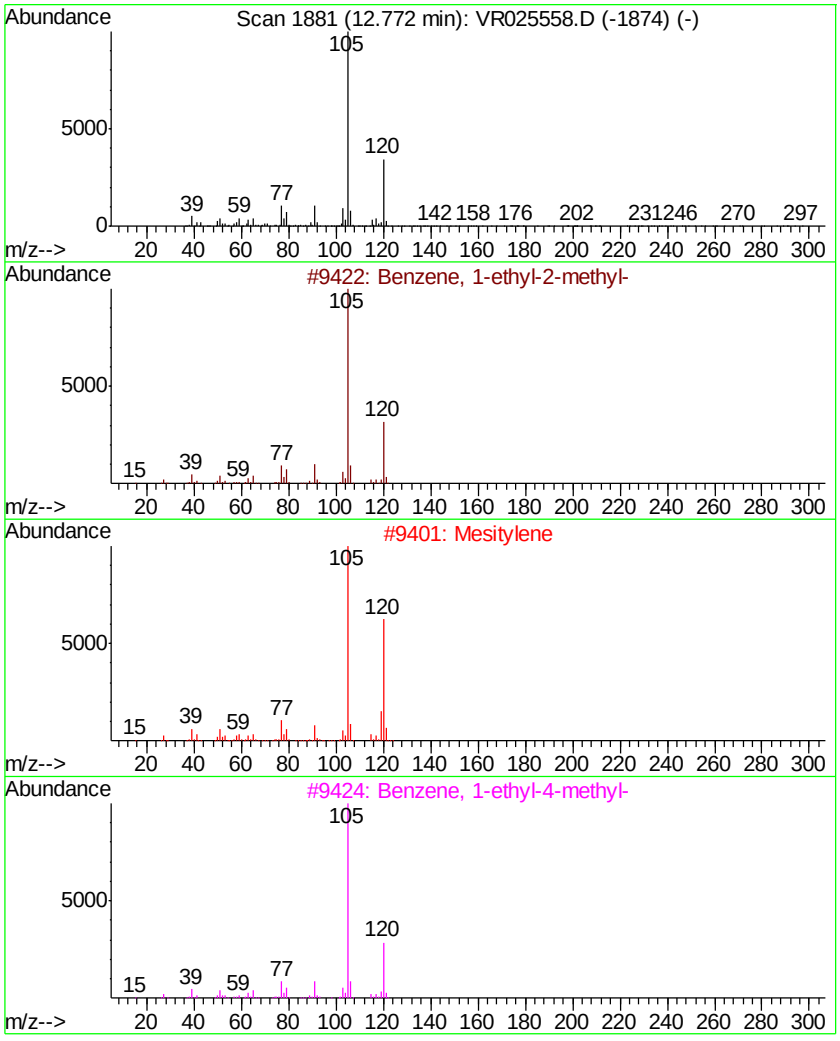
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

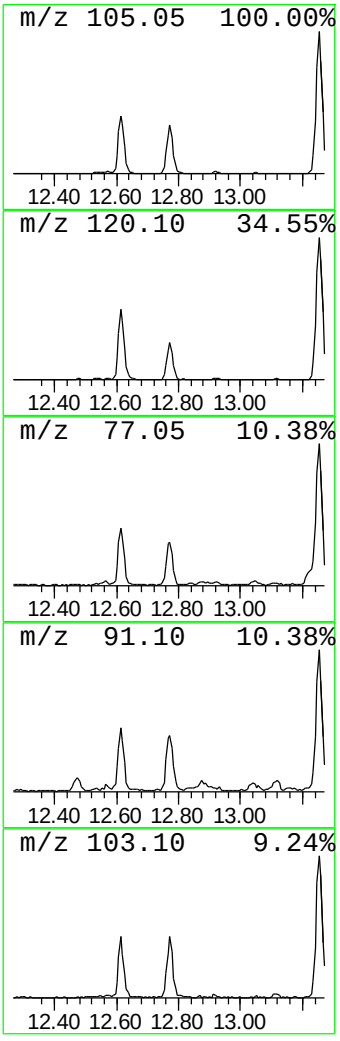
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.68 ug/L	773876	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

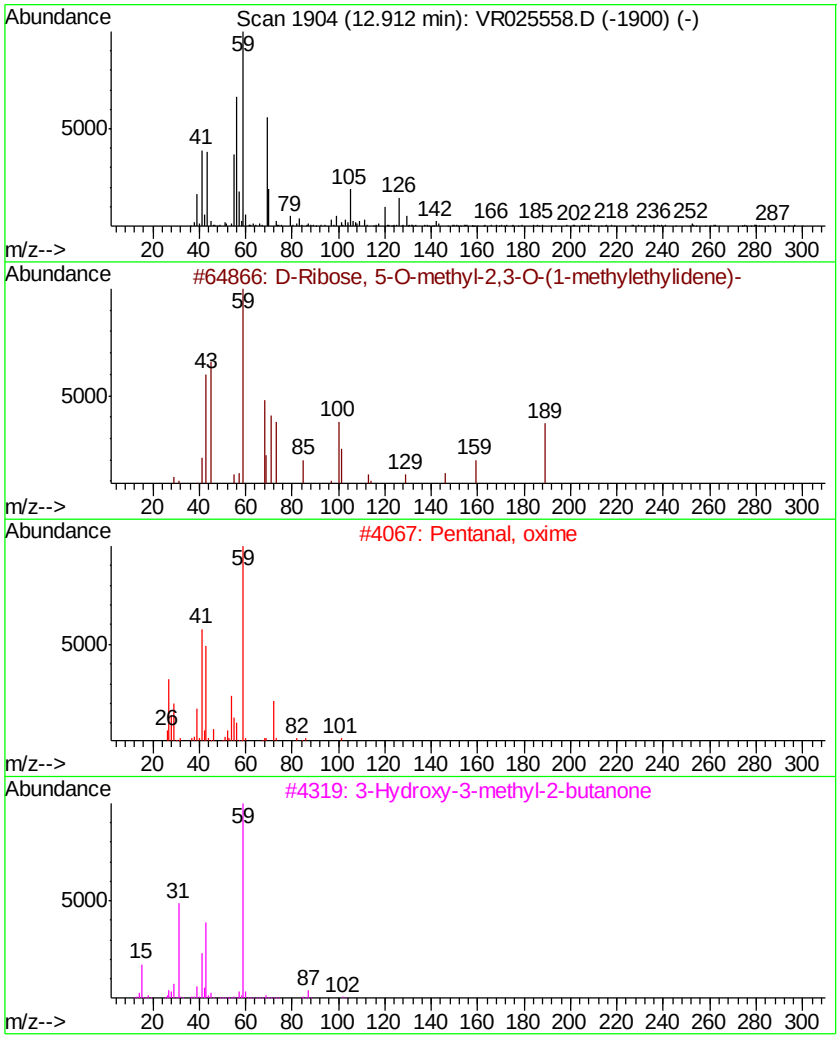
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

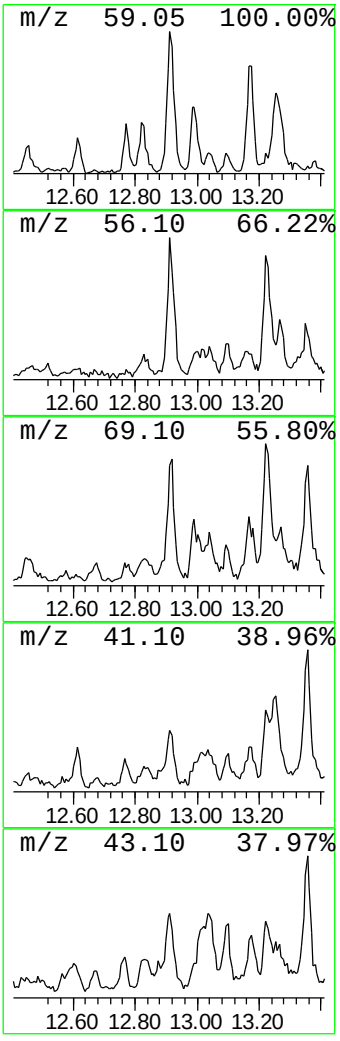
****

Peak Number 6 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	1.04 ug/L	299431	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Ribose, 5-O-methyl-2,3-O-(1-me...	204	C9H16O5	064018-53-7	38
2	Pentanal, oxime	101	C5H11NO	000628-79-5	38
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	35
4	2-Hydroxy-2,4-dimethyl-3-pentanone	130	C7H14O2	003212-67-7	35
5	.alpha.-D-Xylo-Hex-5-enofuranose...	186	C9H14O4	007284-07-3	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

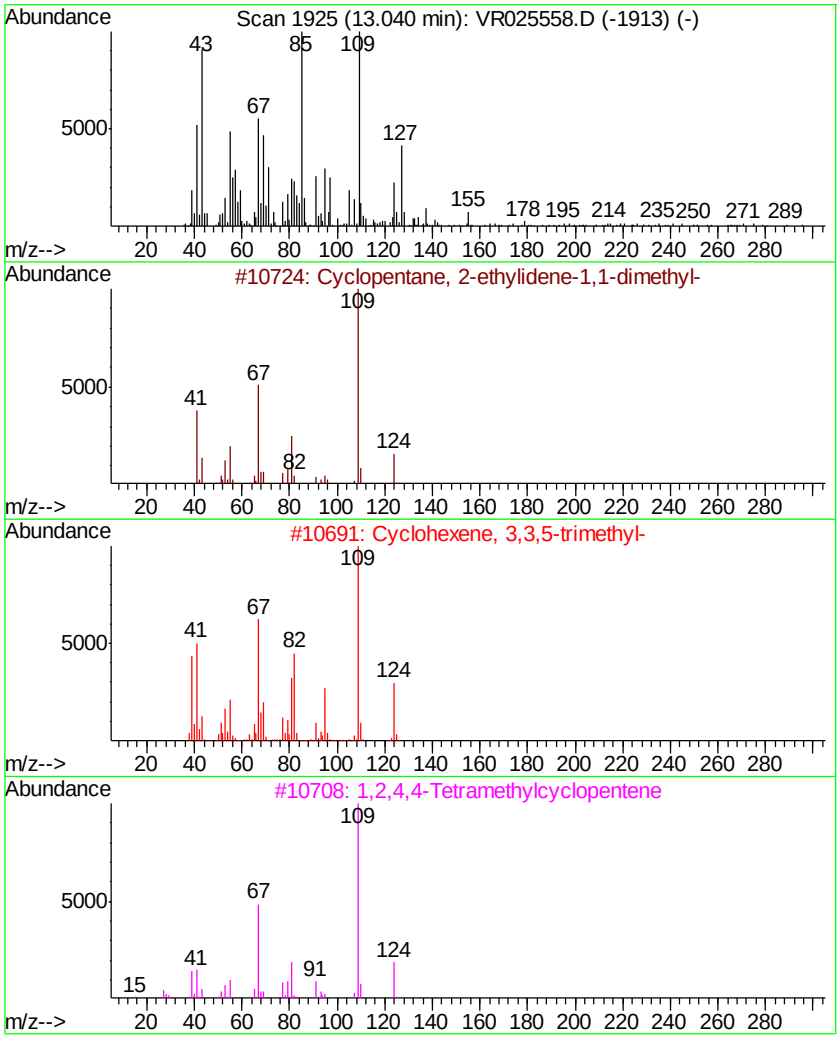
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

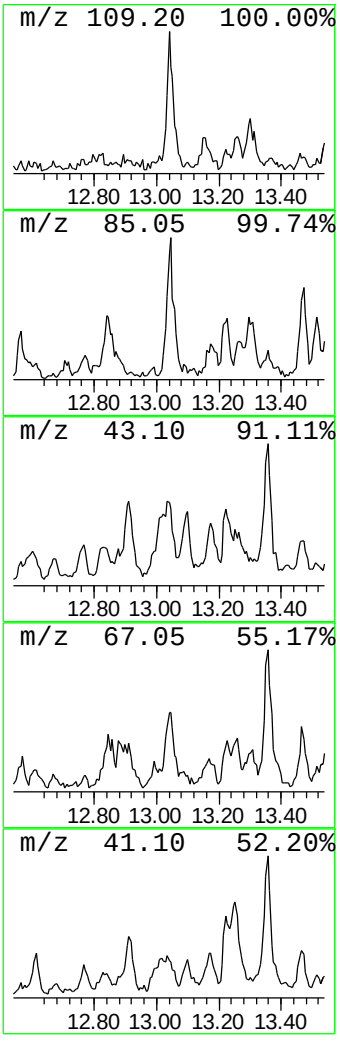
****

Peak Number 7 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	1.65 ug/L	477755	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	41
2	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	41
3	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	41
4	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	38
5	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

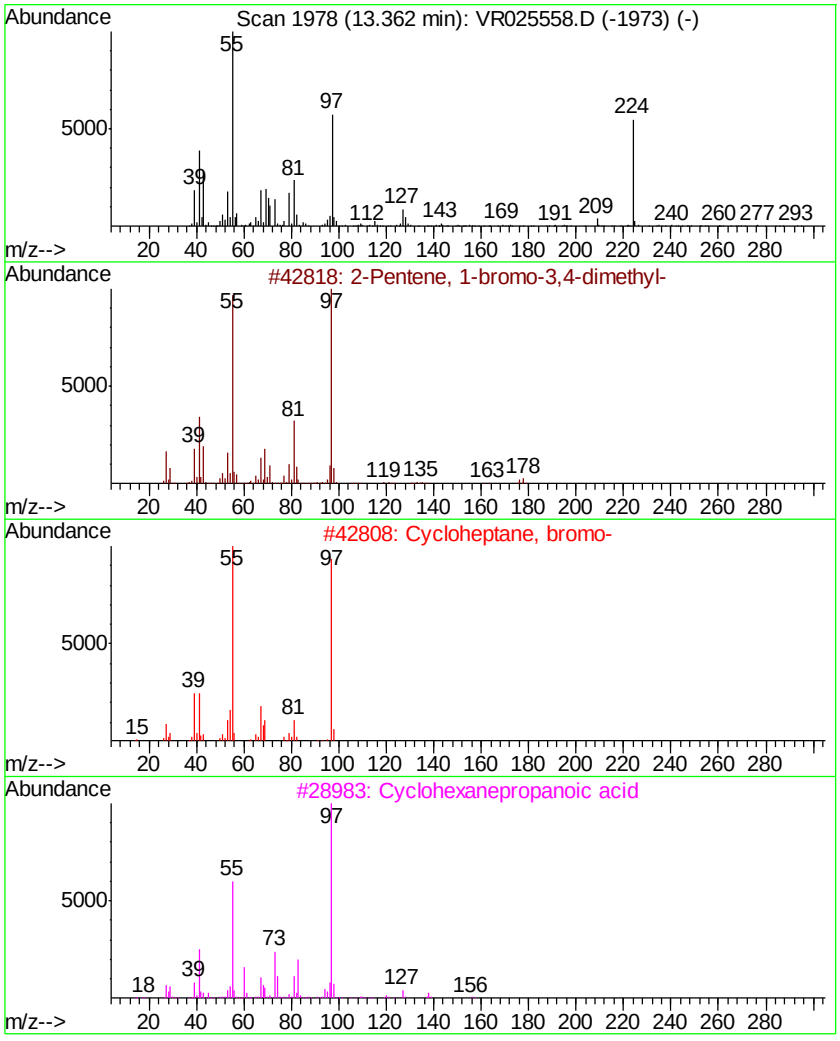
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

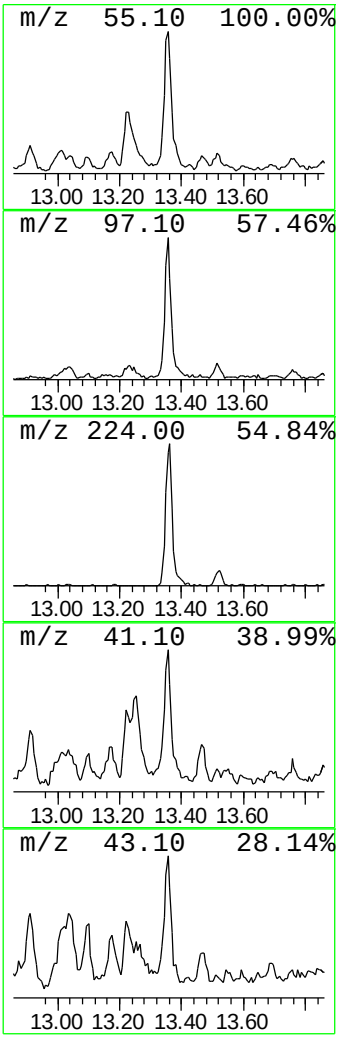
****

Peak Number 8 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	1.73 ug/L	499559	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 1-bromo-3,4-dimethyl-	176	C7H13Br	000922-99-6	38
2	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	37
3	Cyclohexanepropanoic acid	156	C9H16O2	000701-97-3	37
4	3-Hexen-1-ol, 2-ethyl-	128	C8H16O	053907-73-6	35
5	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
Data File : VR025558.D
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Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

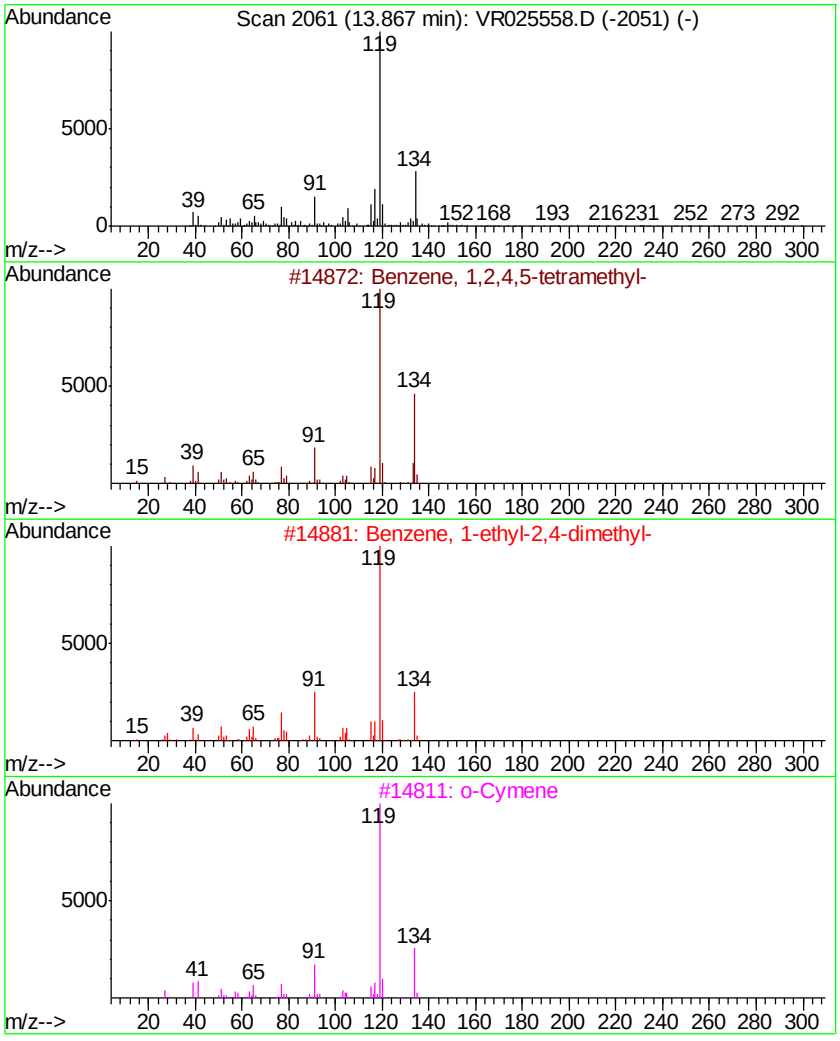
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

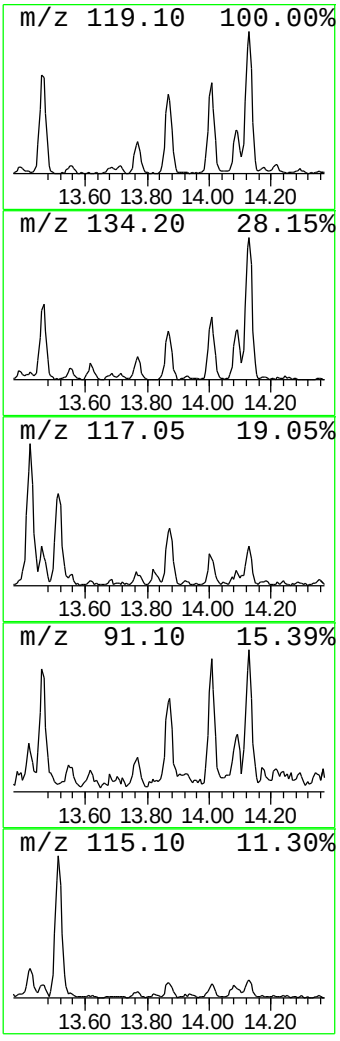
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	1.75 ug/L	505137	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
3	o-Cymene	134	C10H14	000527-84-4	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	83
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

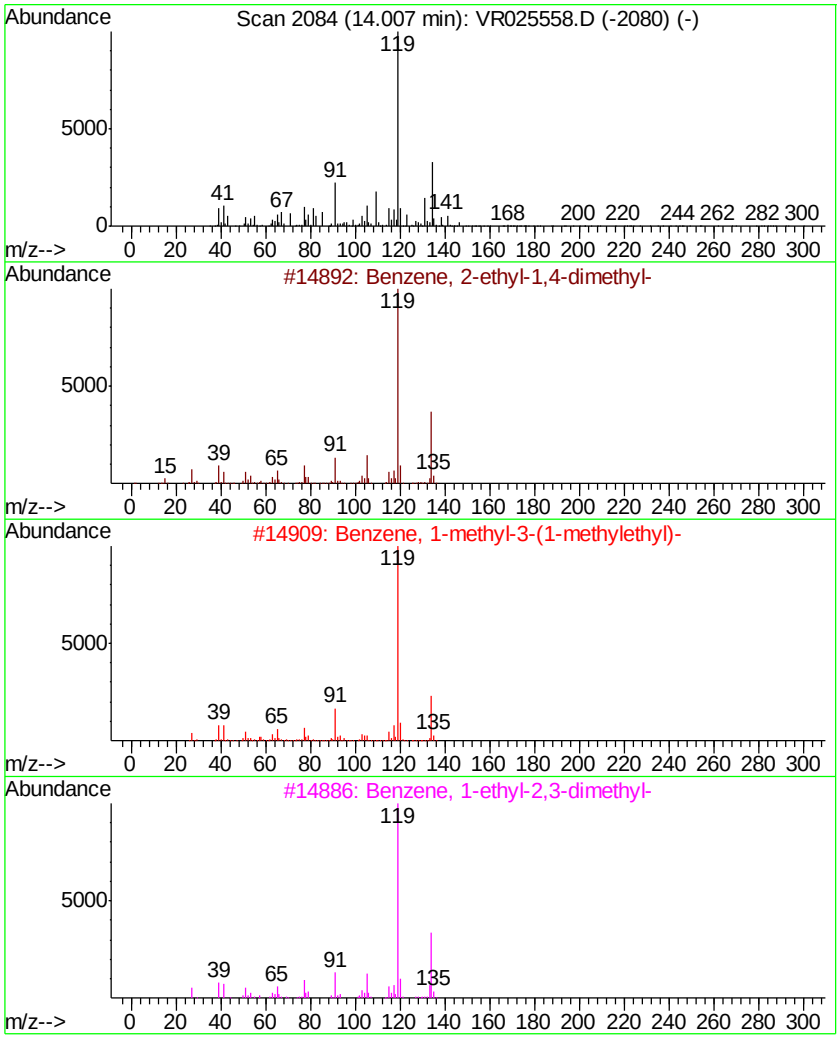
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

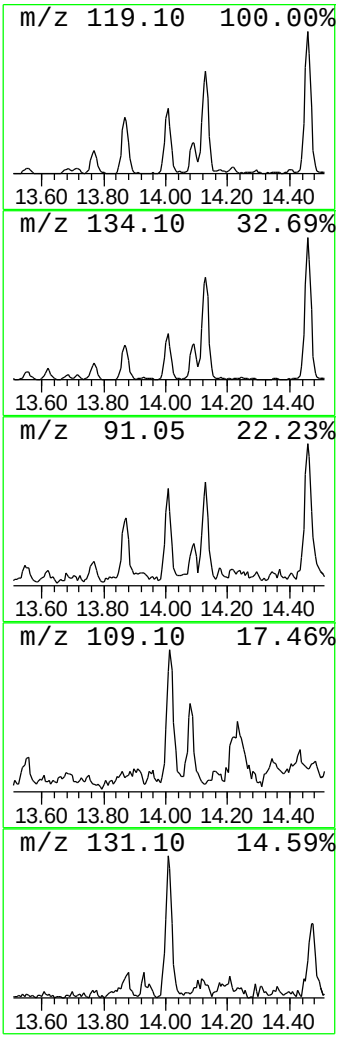
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	1.68 ug/L	484571	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0

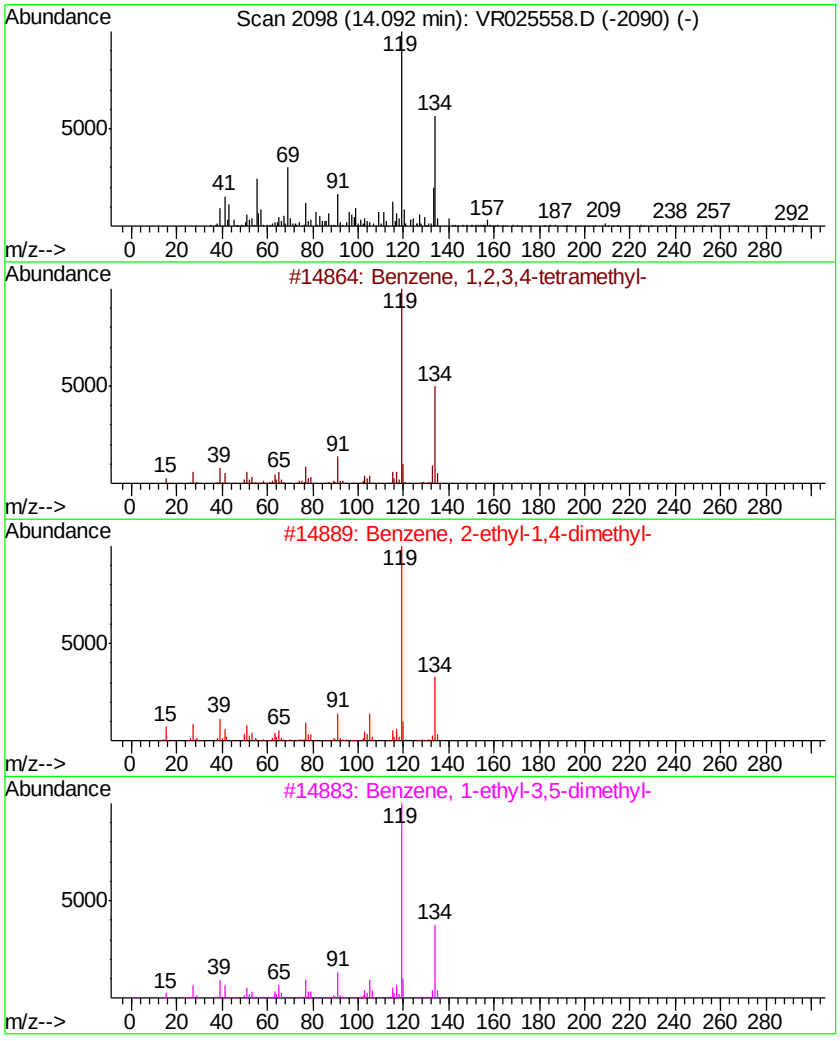
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

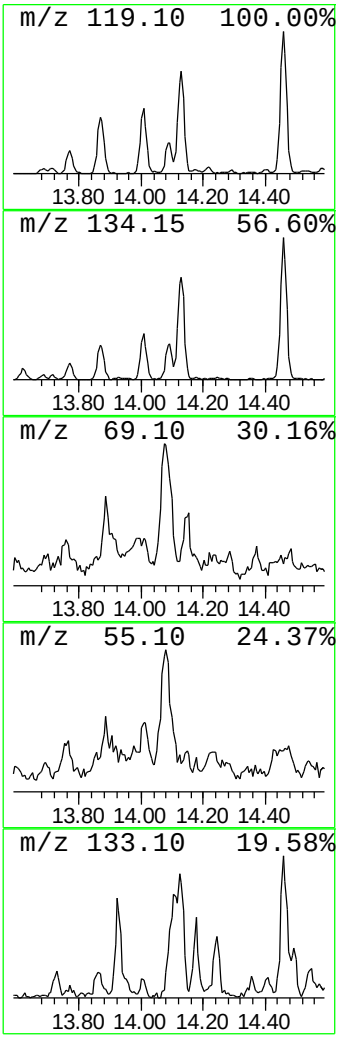
****

Peak Number 11 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	1.50 ug/L	432428	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	89
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
Data File : VR025558.D
Acq On : 6 Aug 2018 17:02
Operator : SY/MD
Sample : J4243-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AD3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.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
Diisopropyl ether	5.81	93.0	ug/L	20255400	1	8.47	1088520	5.0
Butane, 2-methoxy...	8.11	3.7	ug/L	810211	1	8.47	1088520	5.0
Mesitylene	12.61	3.4	ug/L	970955	3	13.22	1443700	5.0
Benzene, 1-ethyl-...	12.77	2.7	ug/L	773876	3	13.22	1443700	5.0
unknown-01	12.91	1.0	ug/L	299431	3	13.22	1443700	5.0
unknown-02	13.04	1.6	ug/L	477755	3	13.22	1443700	5.0
unknown-03	13.36	1.7	ug/L	499559	3	13.22	1443700	5.0
Benzene, 1,2,4,5-...	13.87	1.8	ug/L	505137	3	13.22	1443700	5.0
Benzene, 2-ethyl-...	14.01	1.7	ug/L	484571	3	13.22	1443700	5.0
Benzene, 1,2,3,4-...	14.09	1.5	ug/L	432428	3	13.22	1443700	5.0