LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

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\SFAMVTR102522WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV028737.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.947	272	282	299	rBV	2249011	2949468	6.58%	3.887%
2	3.281	681	697	729	rBV	1139956	2616730	5.84%	3.448%
3	5.043	1227	1245	1252	rBV2	232090	531639	1.19%	0.701%
4	5.092	1252	1260	1279	rVB	430486	948359	2.12%	1.250%
5	5.612	1410	1422	1444	rBV	250476	513124	1.14%	0.676%
6	8.088	2180	2192	2209	rBV	288196	583793	1.30%	0.769%
7	8.876	2418	2437	2471	rBV	27912311	44822243	100.00%	59.069%
8	9.471	2609	2622	2633	rBV	436407	678905	1.51%	0.895%
9	9.924	2750	2763	2780	rBV	7353669	11032638	24.61%	14.539%
10	10.262	2859	2868	2879	rVB	516623	752903	1.68%	0.992%
11	10.345	2881	2894	2908	rVV2	739099	1248470	2.79%	1.645%
12	10.728	3003	3013	3037	rVB	466879	725718	1.62%	0.956%
13	10.857	3041	3053	3062	rBV	380699	582914	1.30%	0.768%
14	11.242	3163	3173	3176	rBV	450344	637928	1.42%	0.841%
15	11.342	3192	3204	3228	rVB3	337600	619117	1.38%	0.816%
16	11.519	3249	3259	3277	rBV2	745372	1487654	3.32%	1.960%
17	11.622	3278	3291	3312	rVB6	449768	1101804	2.46%	1.452%
18	12.008	3396	3411	3427	rBV	858458	1361138	3.04%	1.794%
19	12.403	3517	3534	3544	rBV	645490	1060268	2.37%	1.397%
20	12.873	3660	3680	3690	rBV2	530180	908945	2.03%	1.198%
21	16.297	4732	4745	4759	rBV	474770	717751	1.60%	0.946%

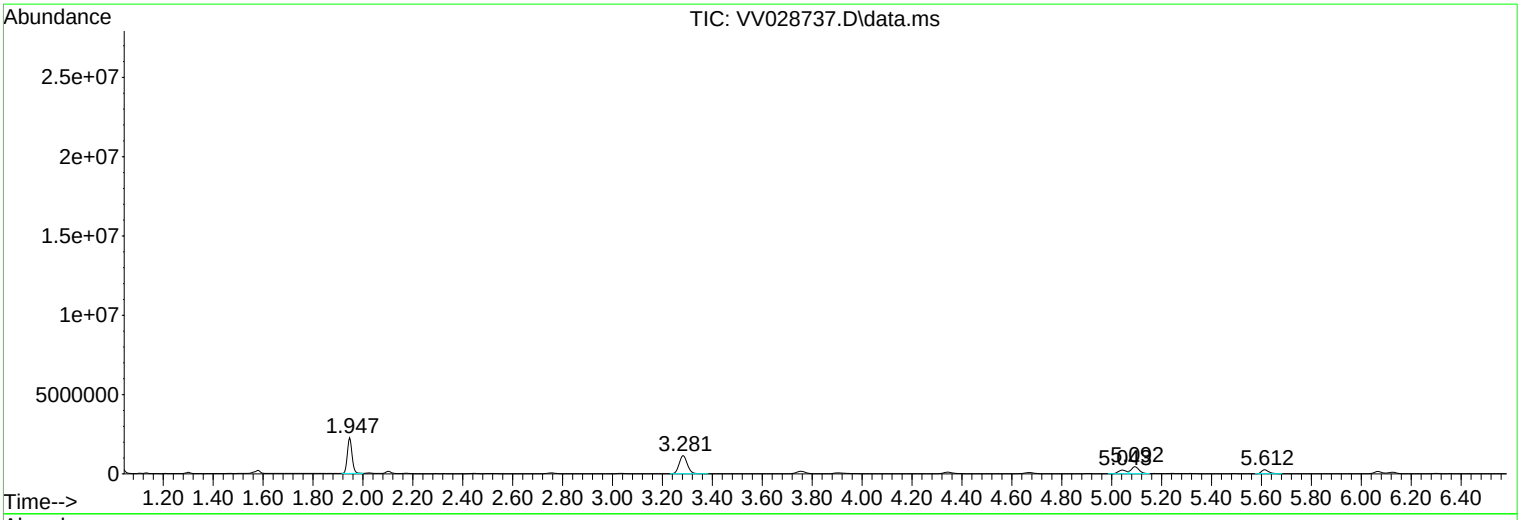
Sum of corrected areas: 75881509

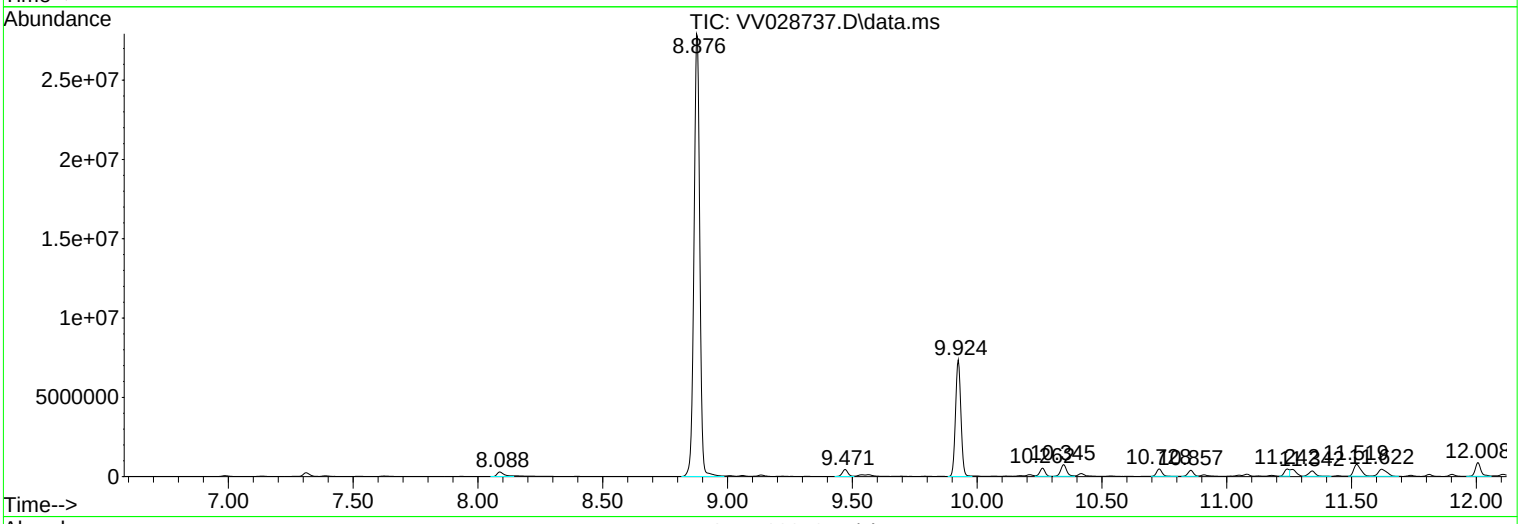
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

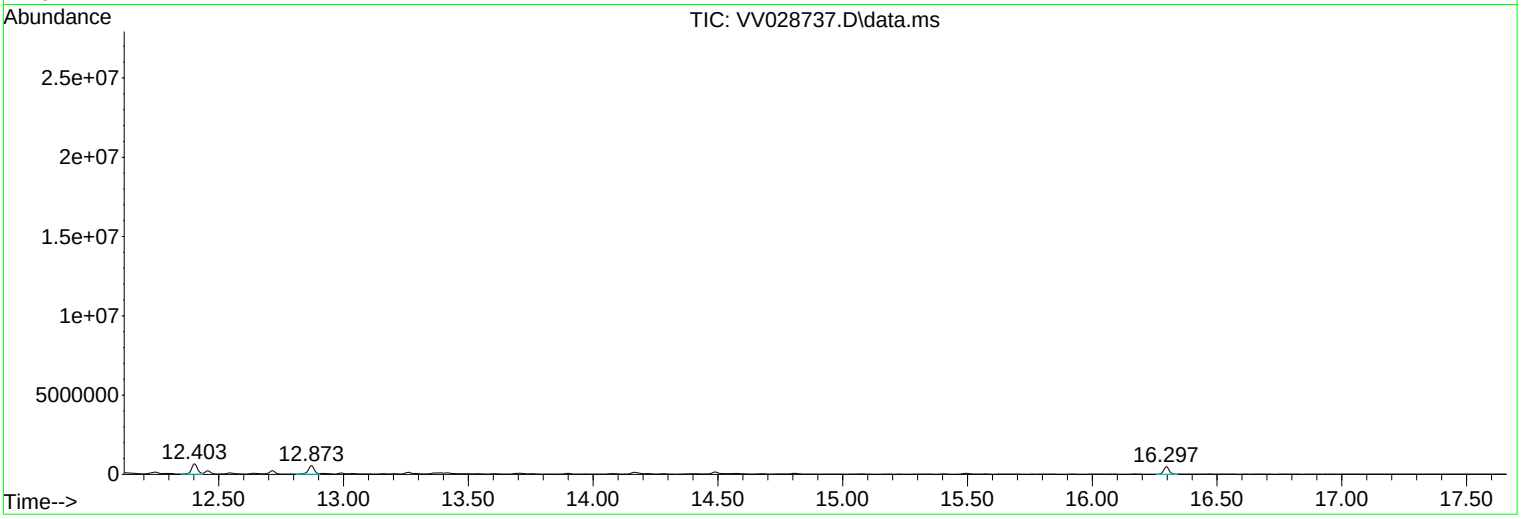
Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

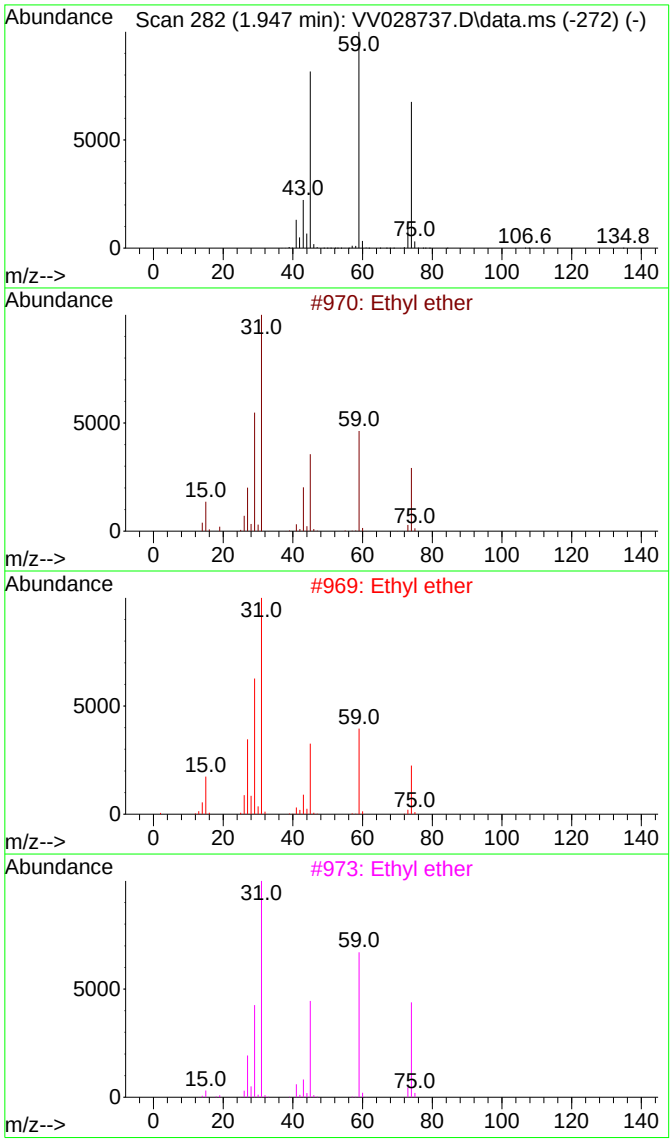
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

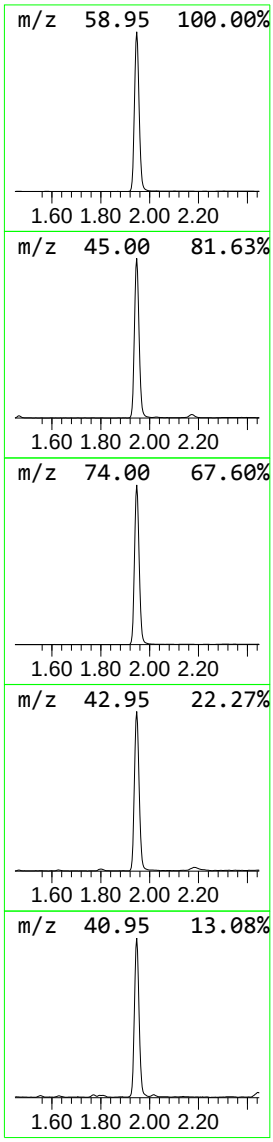
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Ethyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.947	28.74 ug/L	2949470	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	90
4	Ethyl ether	74	C4H10O	000060-29-7	72
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

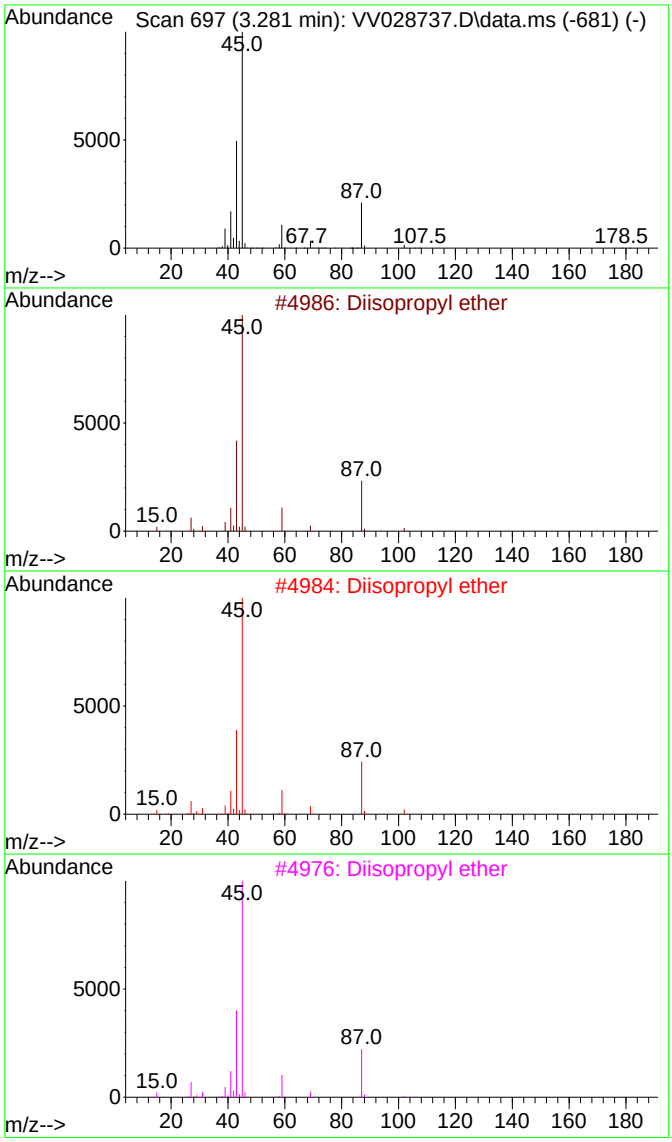
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

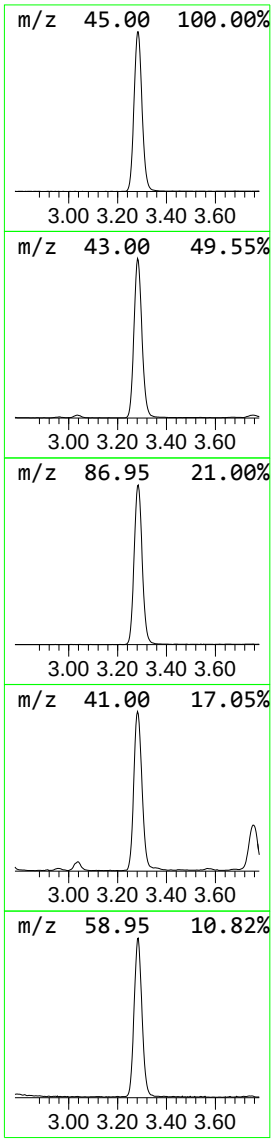
****

Peak Number 2 Diisopropyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.281	25.50 ug/L	2616730	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	91
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	Diisopropyl ether	102	C6H14O	000108-20-3	83
5	Diisopropyl ether	102	C6H14O	000108-20-3	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

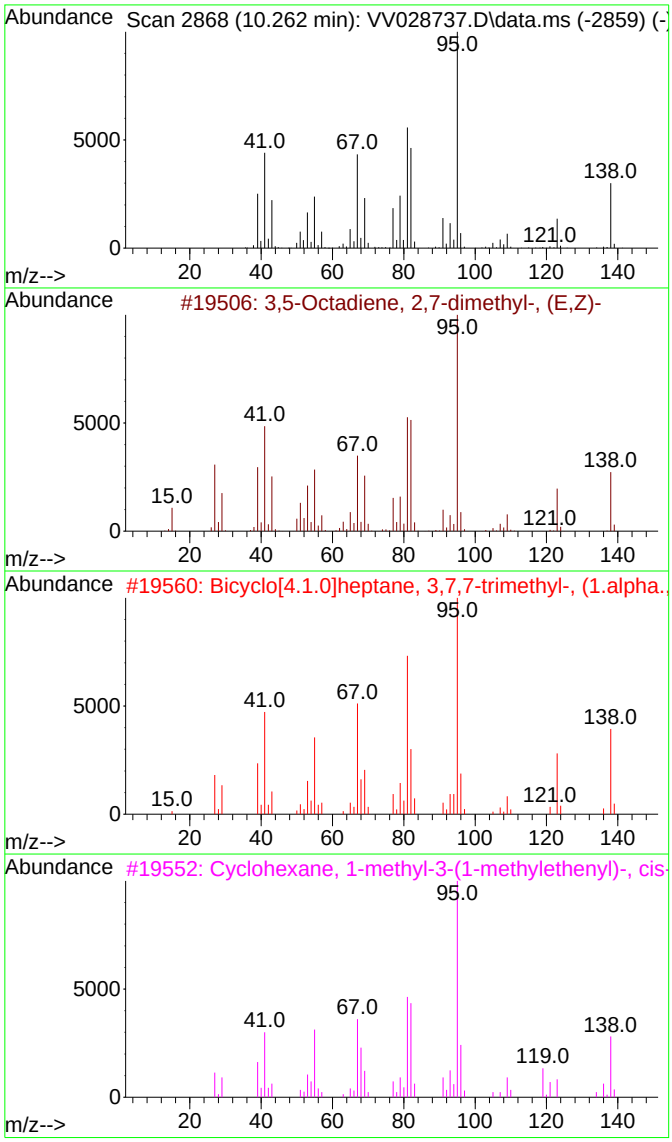
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

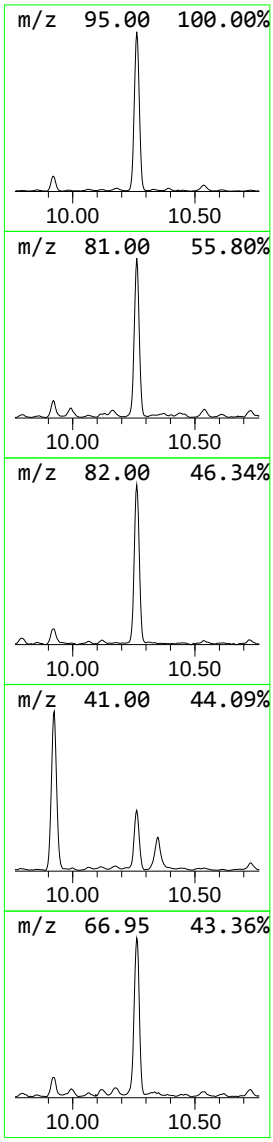
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 3,5-Octadiene, 2,7-dimethyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.262	5.90 ug/L	752903	1,4-Dichlorobenzene-d4	11.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Octadiene, 2,7-dimethyl-, (E...	138	C10H18	055682-64-9	80
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	64
3	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	64
4	(2Z,4E)-3,7-Dimethyl-2,4-octadiene	138	C10H18	1000374-08-4	64
5	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

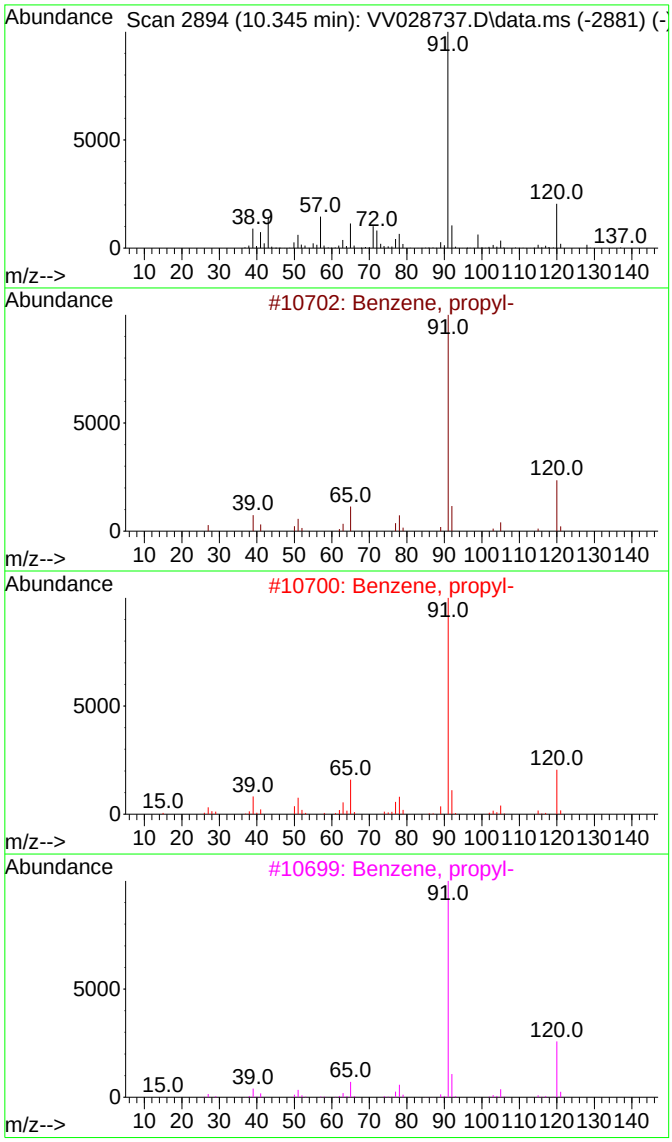
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

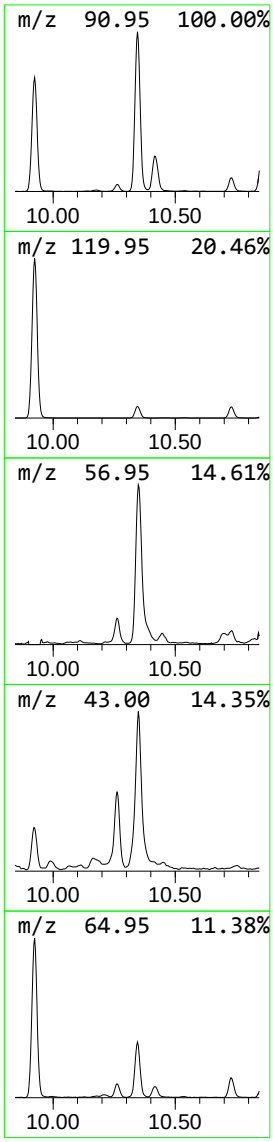
****

Peak Number 4 Benzene, propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.345	9.79 ug/L	1248470	1,4-Dichlorobenzene-d4	11.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	83
3	Benzene, propyl-	120	C9H12	000103-65-1	64
4	Benzene, propyl-	120	C9H12	000103-65-1	64
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

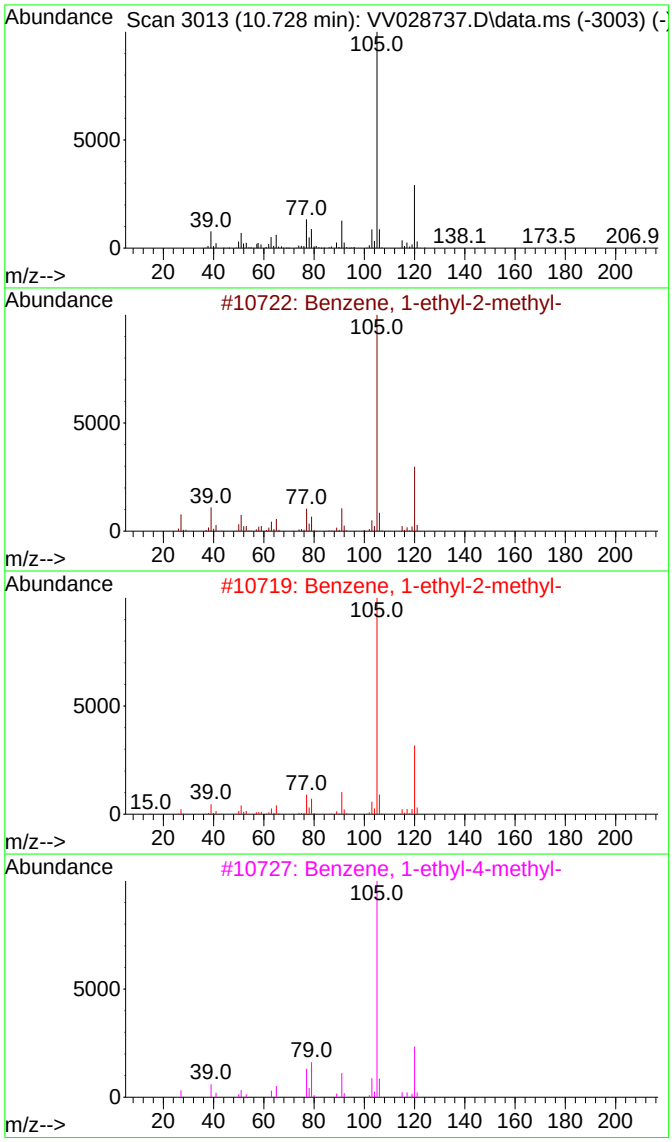
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

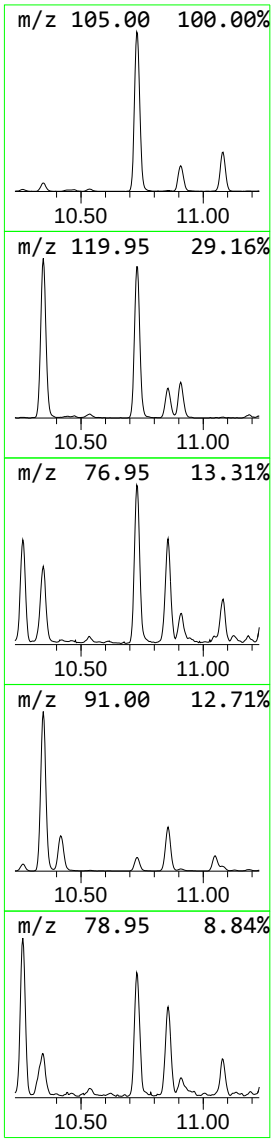
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.728	5.69 ug/L	725718	1,4-Dichlorobenzene-d4	11.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

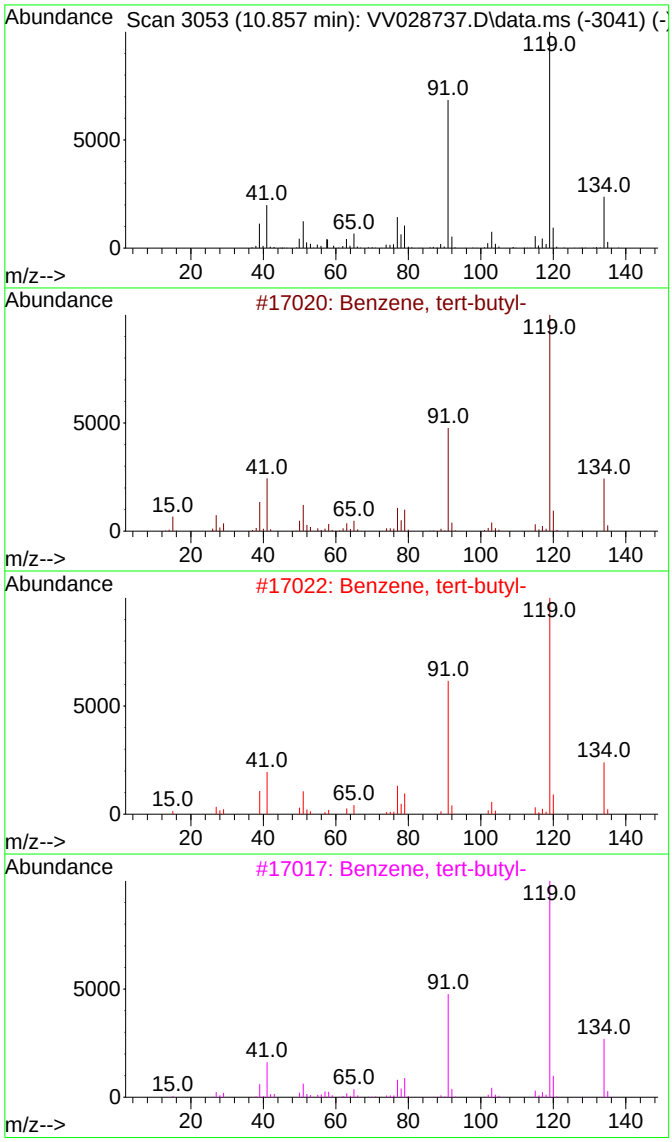
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

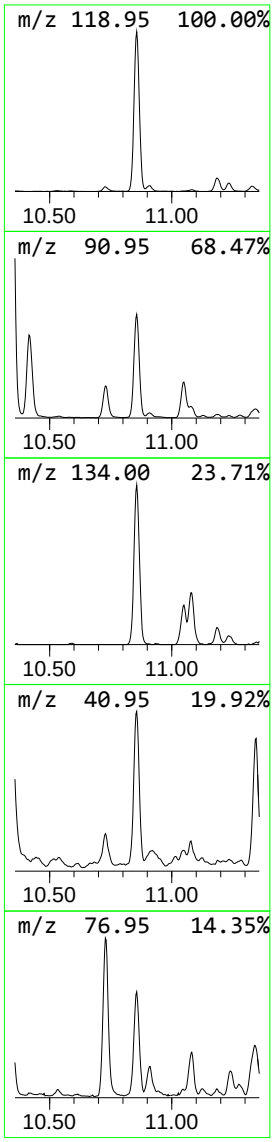
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, tert-butyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.857	4.57 ug/L	582914	1,4-Dichlorobenzene-d4	11.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	96
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	96
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
4	Benzene, tert-butyl-	134	C10H14	000098-06-6	87
5	o-Cymene	134	C10H14	000527-84-4	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

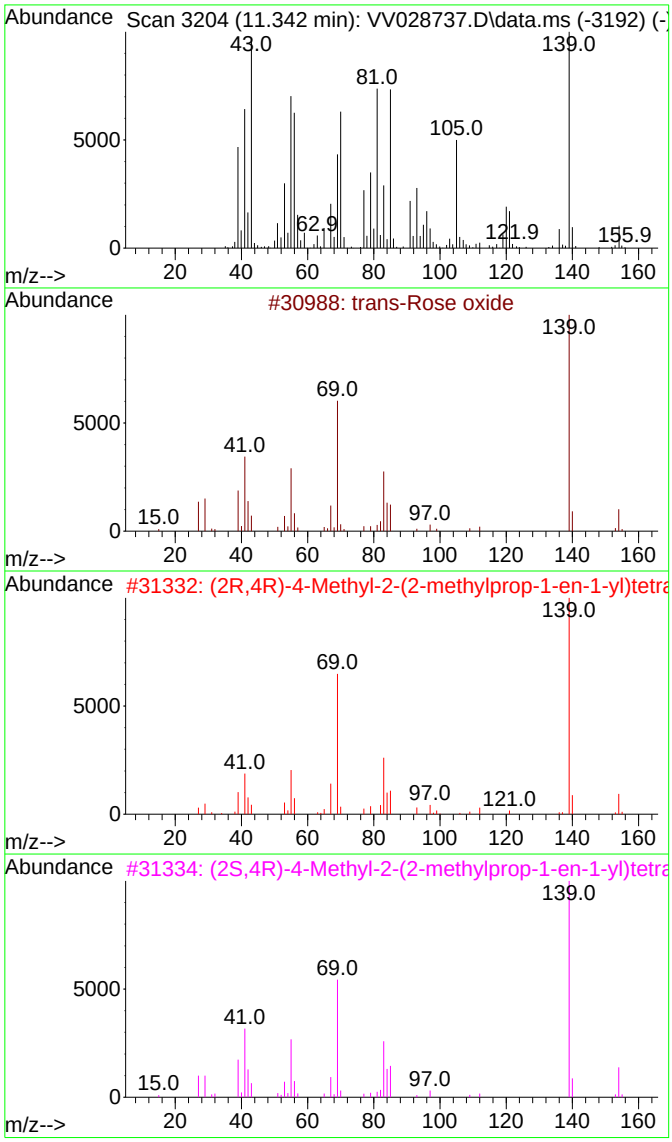
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

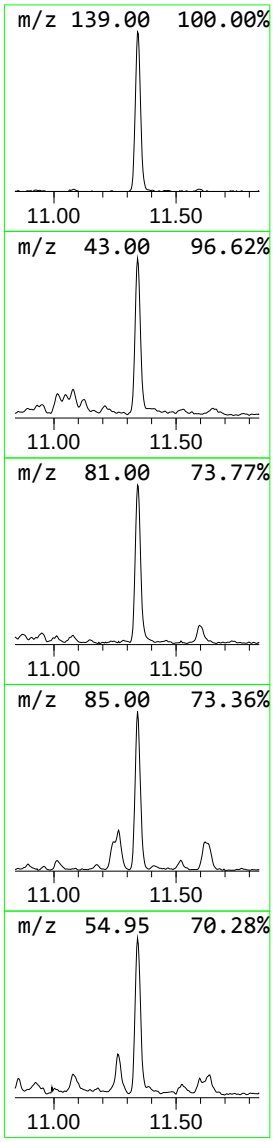
****

Peak Number 7 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.342	4.85 ug/L	619117	1,4-Dichlorobenzene-d4	11.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Rose oxide	154	C10H18O	000876-18-6	20
2	(2R,4R)-4-Methyl-2-(2-methylprop...	154	C10H18O	005258-11-7	20
3	(2S,4R)-4-Methyl-2-(2-methylprop...	154	C10H18O	003033-23-6	18
4	(2S,4R)-4-Methyl-2-(2-methylprop...	154	C10H18O	003033-23-6	14
5	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	14





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Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

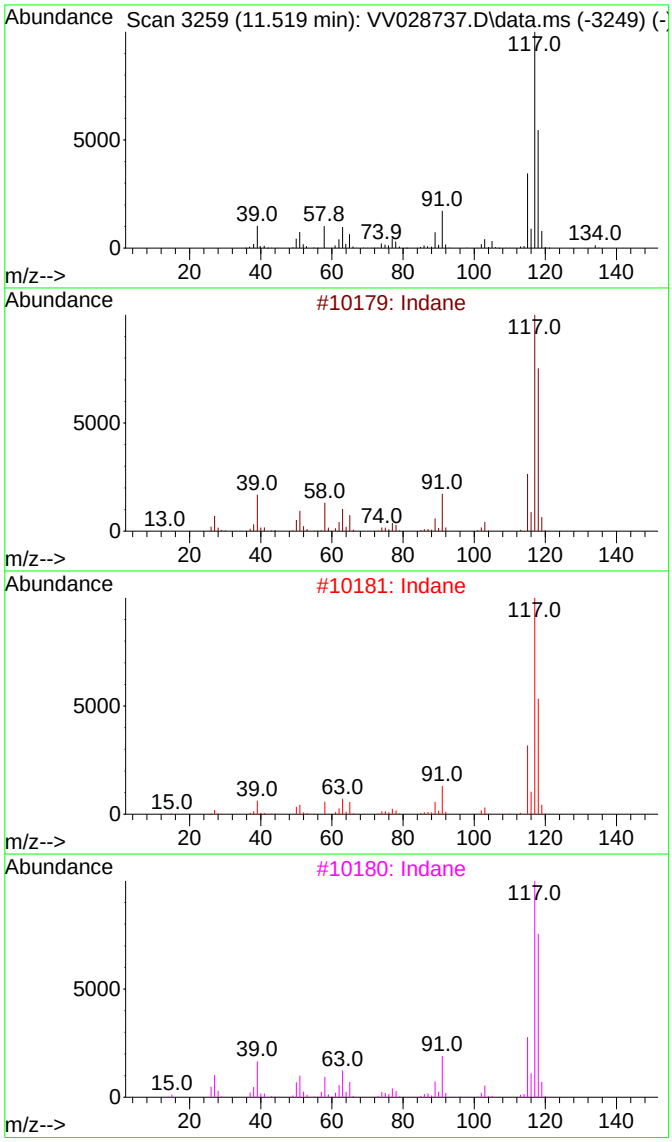
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

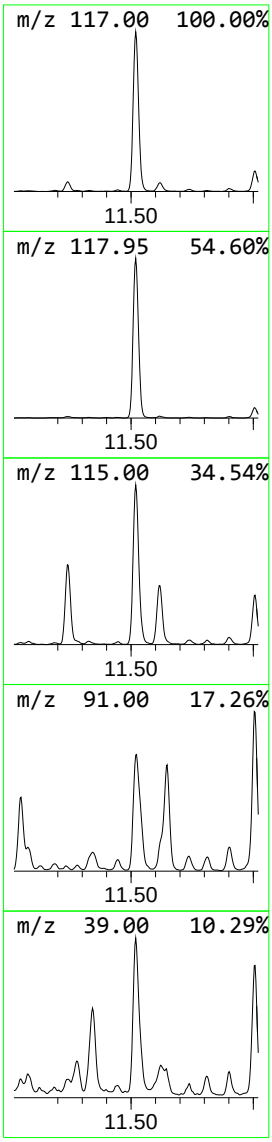
****

Peak Number 8 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.519	11.66 ug/L	1487650	1,4-Dichlorobenzene-d4	11.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





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Data File : VV028737.D
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ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

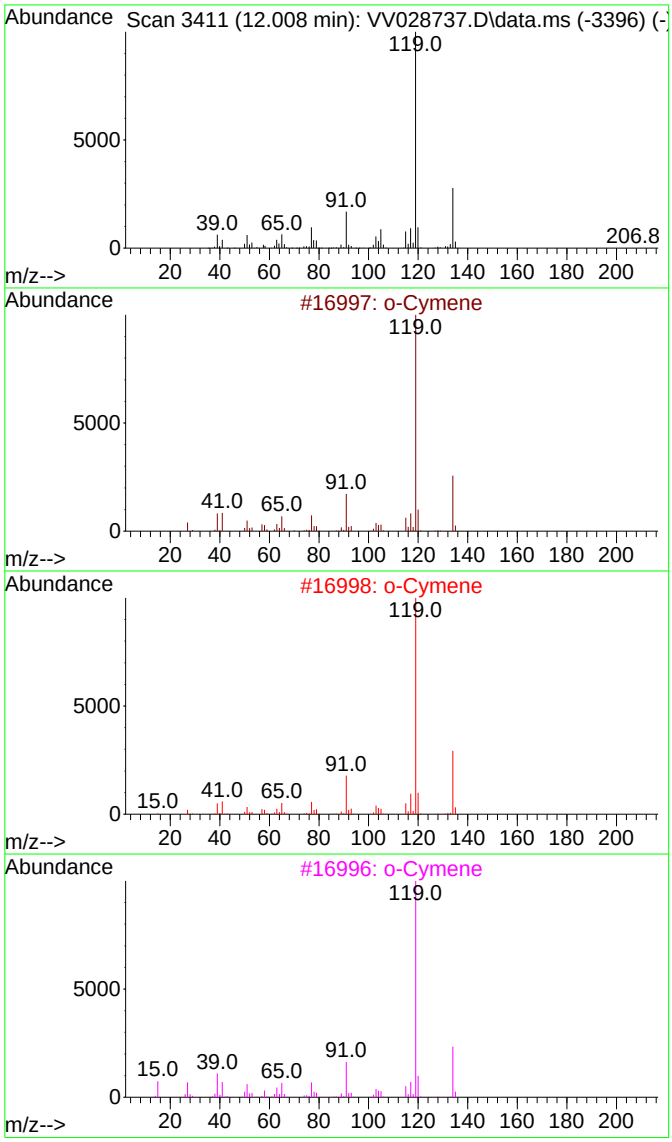
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

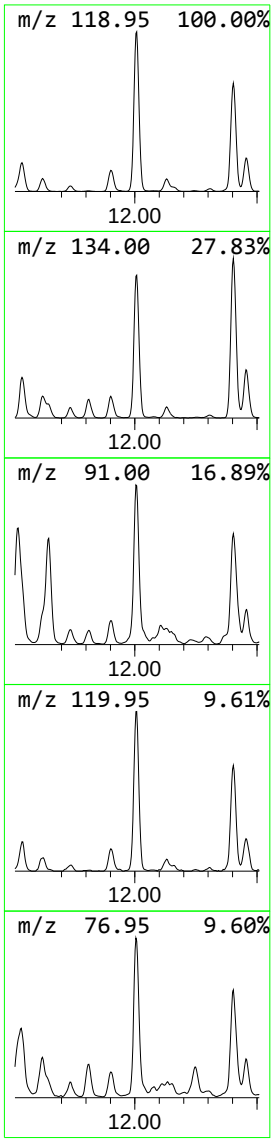
****

Peak Number 9 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.008	10.67 ug/L	1361140	1,4-Dichlorobenzene-d4	11.242

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





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Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

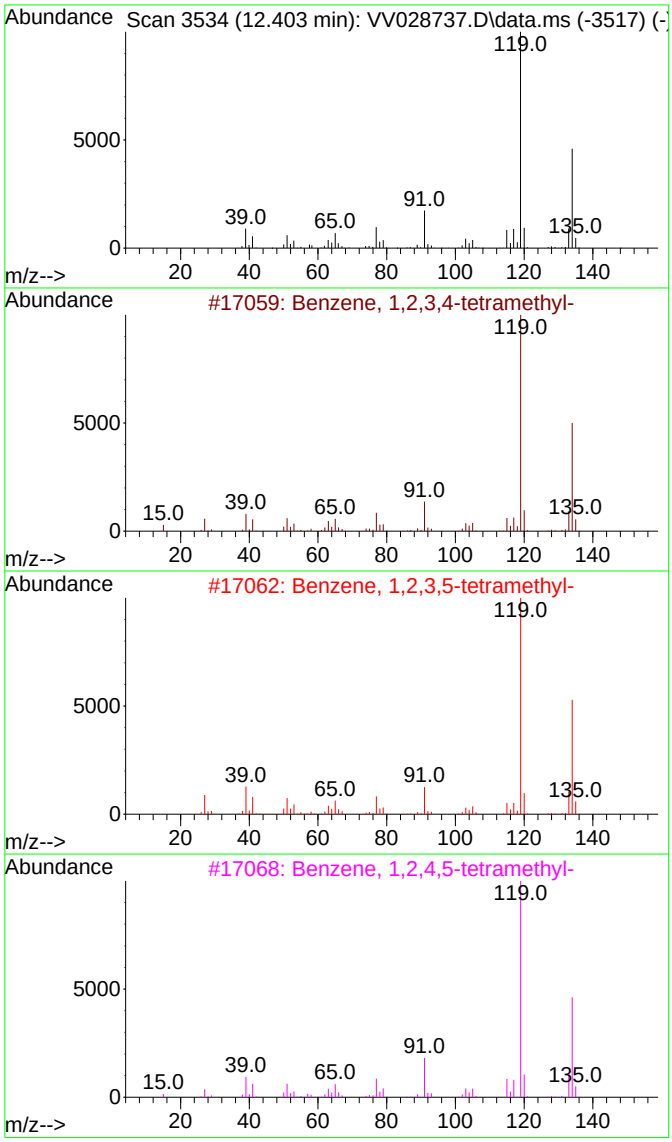
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

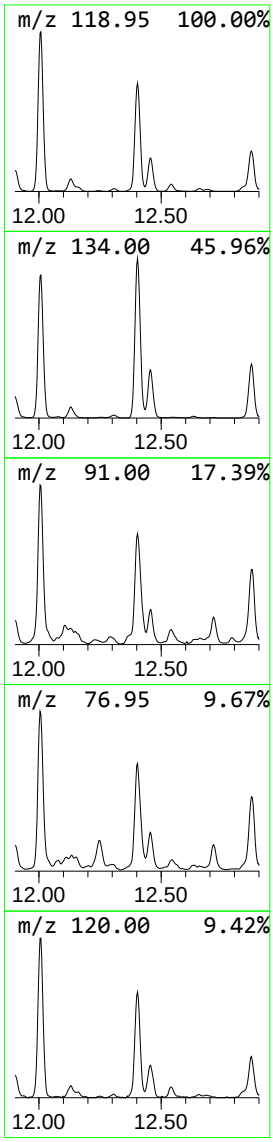
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.403	8.31 ug/L	1060270	1,4-Dichlorobenzene-d4	11.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

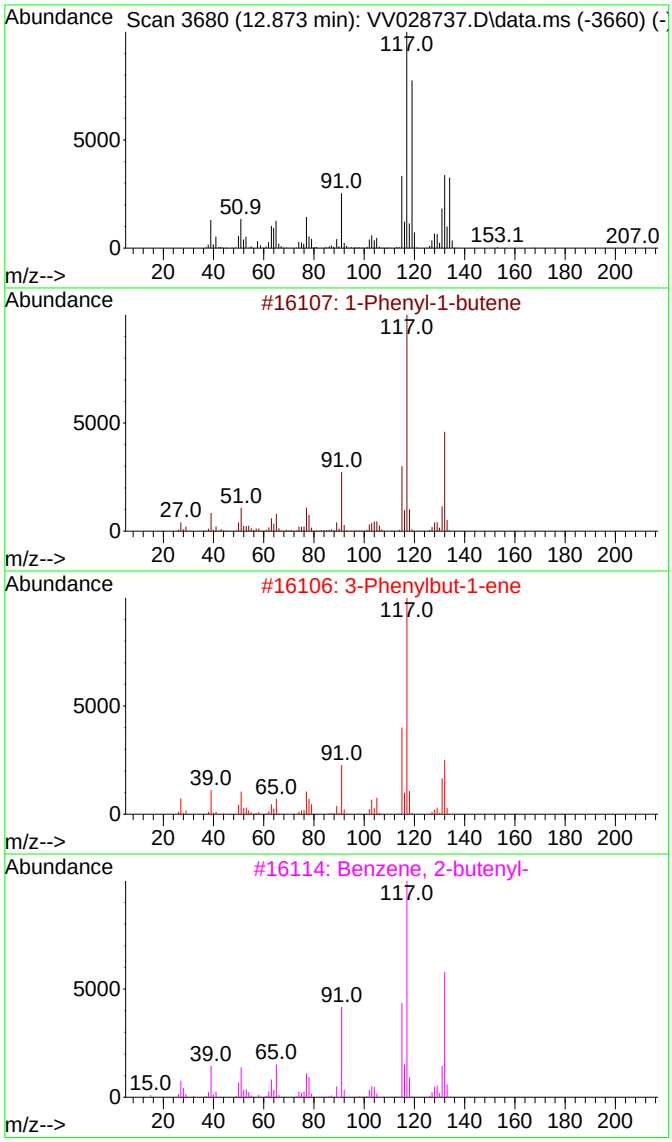
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

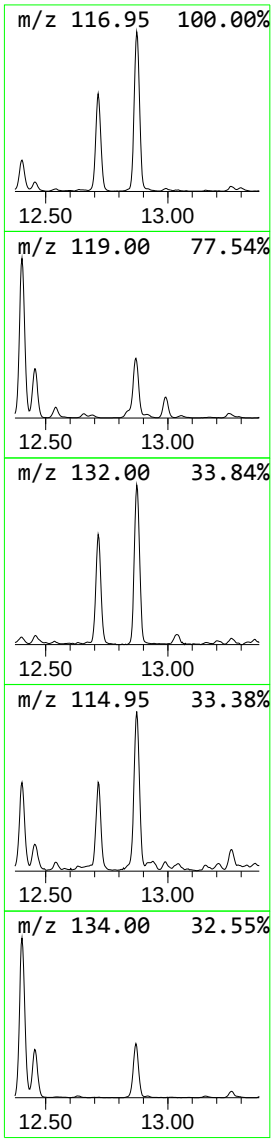
****

Peak Number 11 1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.873	7.12 ug/L	908945	1,4-Dichlorobenzene-d4	11.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	60
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

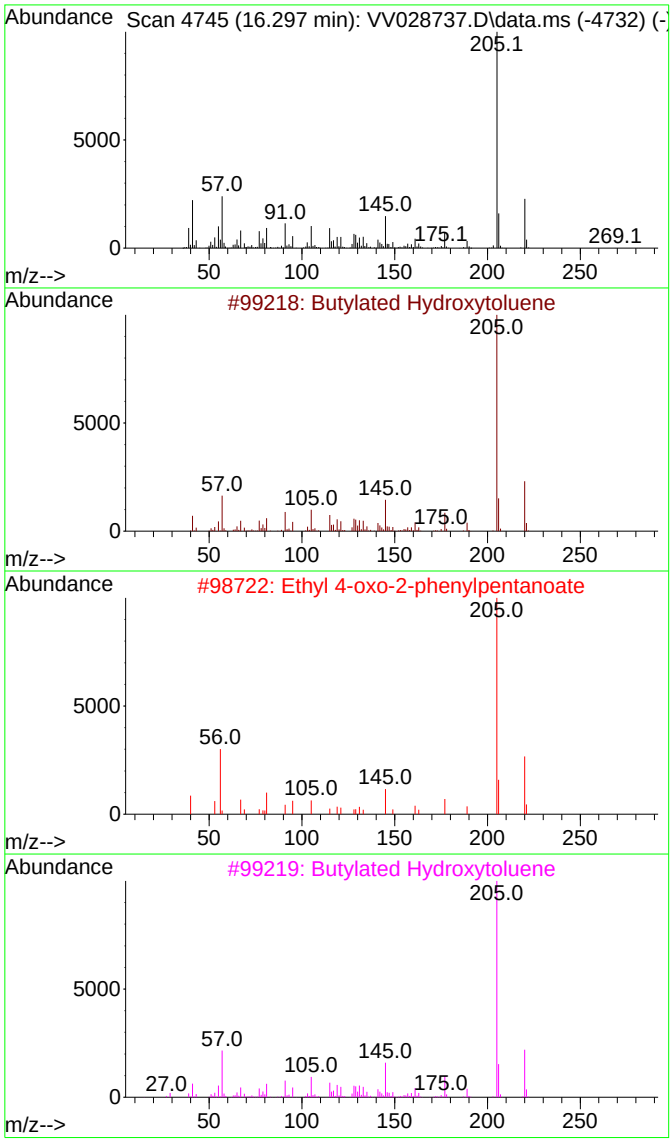
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

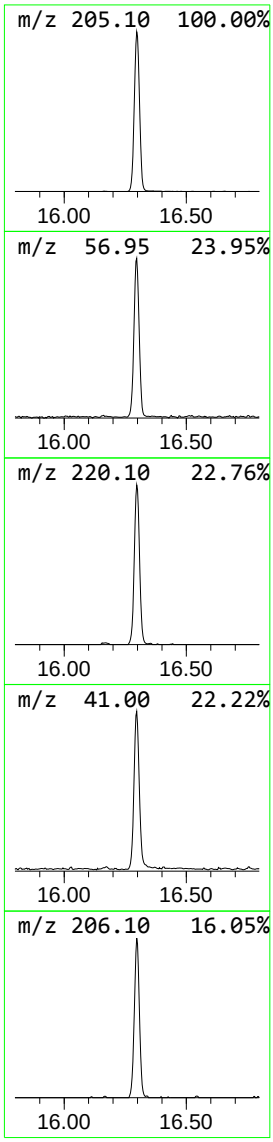
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Butylated Hydroxytoluene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.297	5.63 ug/L	717751	1,4-Dichlorobenzene-d4	11.242

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	98
2	Ethyl 4-oxo-2-phenylpentanoate	220	C13H16O3	1000427-11-2	95
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	95
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94
5	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
Data File : VV028737.D
Acq On : 27 Oct 2022 23:51
Operator : SY/MD
Sample : N5232-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHAB9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethyl ether	1.947	28.7	ug/L	2949470	1	5.612	513124	5.0
Diisopropyl ether	3.281	25.5	ug/L	2616730	1	5.612	513124	5.0
3,5-Octadiene, ...	10.262	5.9	ug/L	752903	3	11.242	637928	5.0
Benzene, propyl-	10.345	9.8	ug/L	1248470	3	11.242	637928	5.0
Benzene, 1-ethy...	10.728	5.7	ug/L	725718	3	11.242	637928	5.0
Benzene, tert-b...	10.857	4.6	ug/L	582914	3	11.242	637928	5.0
unknown-01	11.342	4.8	ug/L	619117	3	11.242	637928	5.0
Indane	11.519	11.7	ug/L	1487650	3	11.242	637928	5.0
o-Cymene	12.008	10.7	ug/L	1361140	3	11.242	637928	5.0
Benzene, 1,2,3,...	12.403	8.3	ug/L	1060270	3	11.242	637928	5.0
1-Phenyl-1-butene	12.873	7.1	ug/L	908945	3	11.242	637928	5.0
Butylated Hydro...	16.297	5.6	ug/L	717751	3	11.242	637928	5.0