LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

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_U\METHOD\SOMUTR111620WMA.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	1.417	16	24	39	rVB	204101	221697	7.39%	2.143%
2	1.700	97	112	124	rBV	593198	870869	29.05%	8.419%
3	1.842	147	156	170	rBV3	42718	59454	1.98%	0.575%
4	2.015	201	210	213	rBV	31231	43565	1.45%	0.421%
5	2.282	285	293	300	rBV	23467	34523	1.15%	0.334%
6	2.610	385	395	411	rVV2	28334	60995	2.03%	0.590%
7	2.703	415	424	440	rVB2	54913	99418	3.32%	0.961%
8	3.504	660	673	692	rBV2	48638	99821	3.33%	0.965%
9	4.713	1036	1049	1060	rBV4	15152	36113	1.20%	0.349%
10	4.809	1061	1079	1135	rVV	1296192	2998260	100.00%	28.986%
11	5.195	1184	1199	1216	rVB	57023	125447	4.18%	1.213%
12	5.867	1386	1408	1417	rBV2	106546	272396	9.09%	2.633%
13	5.919	1418	1424	1443	rVB2	60678	123204	4.11%	1.191%
14	5.999	1443	1449	1464	rBV	39498	49516	1.65%	0.479%
15	6.173	1494	1503	1523	rVB2	16934	33238	1.11%	0.321%
16	6.385	1556	1569	1584	rBV	90322	162145	5.41%	1.568%
17	6.687	1636	1663	1676	rBV2	305525	908861	30.31%	8.787%
18	6.809	1690	1701	1714	rVB2	72484	137220	4.58%	1.327%
19	7.645	1947	1961	1974	rBV2	32689	55608	1.85%	0.538%
20	7.967	2046	2061	2071	rBV	111857	191169	6.38%	1.848%
21	8.034	2071	2082	2101	rVB	434479	728432	24.30%	7.042%
22	8.237	2132	2145	2160	rVB2	22754	37995	1.27%	0.367%
23	8.472	2200	2218	2230	rBV3	22552	40559	1.35%	0.392%
24	8.687	2269	2285	2318	rBV	166878	340234	11.35%	3.289%
25	8.832	2318	2330	2351	rVB3	22675	40803	1.36%	0.394%
26	9.449	2509	2522	2543	rVB	124410	225645	7.53%	2.181%
27	9.597	2554	2568	2588	rBV	94893	165126	5.51%	1.596%
28	9.719	2592	2606	2624	rBV	204693	370212	12.35%	3.579%
29	10.121	2719	2731	2758	rVB	270061	455655	15.20%	4.405%
30	10.767	2919	2932	2948	rVB	60796	100700	3.36%	0.974%
31	11.009	2998	3007	3026	rVB2	15369	35792	1.19%	0.346%
32	11.475	3140	3152	3164	rBV2	77268	118662	3.96%	1.147%
33	11.574	3173	3183	3197	rBV2	18284	32424	1.08%	0.313%
34	11.816	3245	3258	3272	rVB2	133131	227468	7.59%	2.199%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

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_U\METHOD\SOMUTR111620WMA.M
Title : TRACE VOA SOM01.0

35	11.896	3272	3283	3295	rBV	59481	94327	3.15%	0.912%
36	12.095	3325	3345	3363	rBV3	35854	76692	2.56%	0.741%
37	12.192	3364	3375	3388	rVB2	145795	247140	8.24%	2.389%
38	12.568	3484	3492	3502	rVB	29099	41345	1.38%	0.400%
39	13.021	3624	3633	3650	rVB2	20599	32969	1.10%	0.319%
40	13.449	3756	3766	3780	rVB5	26972	50761	1.69%	0.491%
41	14.182	3983	3994	4005	rVB2	19451	32967	1.10%	0.319%
42	14.275	4010	4023	4035	rBV	22790	35924	1.20%	0.347%
43	14.677	4134	4148	4164	rVB5	19147	42122	1.40%	0.407%
44	15.005	4241	4250	4260	rBV4	23315	35937	1.20%	0.347%
45	15.185	4296	4306	4310	rBV4	24982	37263	1.24%	0.360%
46	15.259	4321	4329	4341	rVB4	23433	39978	1.33%	0.386%
47	15.912	4519	4532	4549	rBV5	27891	73175	2.44%	0.707%

Sum of corrected areas: 10343826

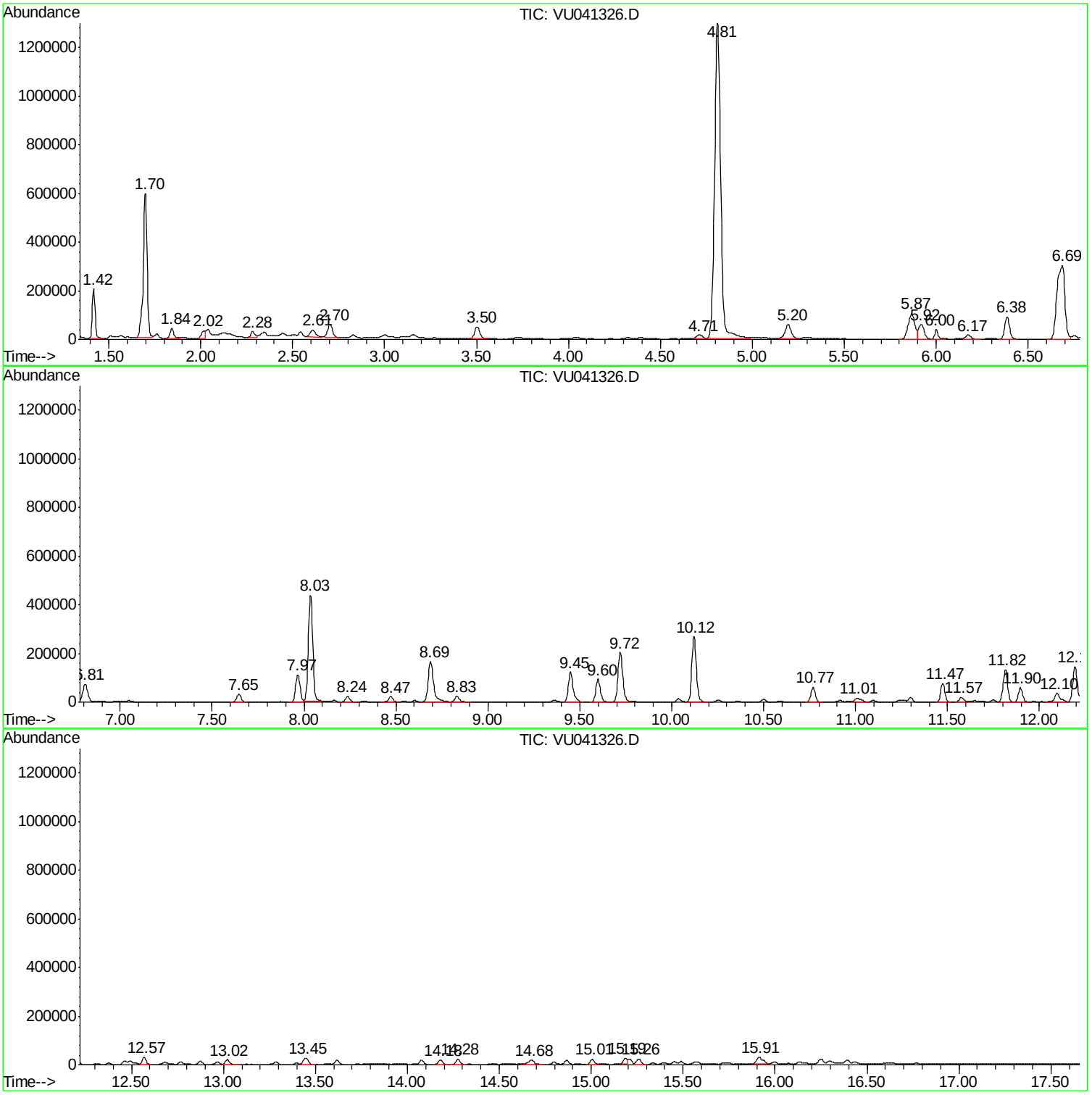
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.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 U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

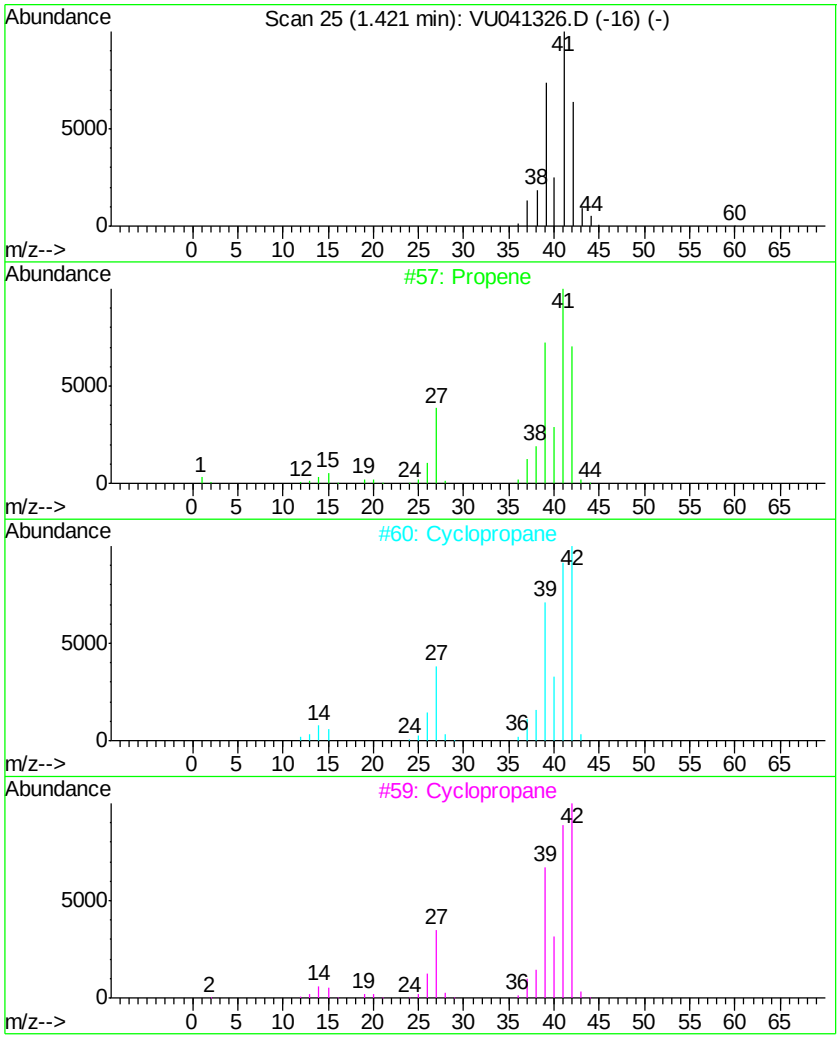
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

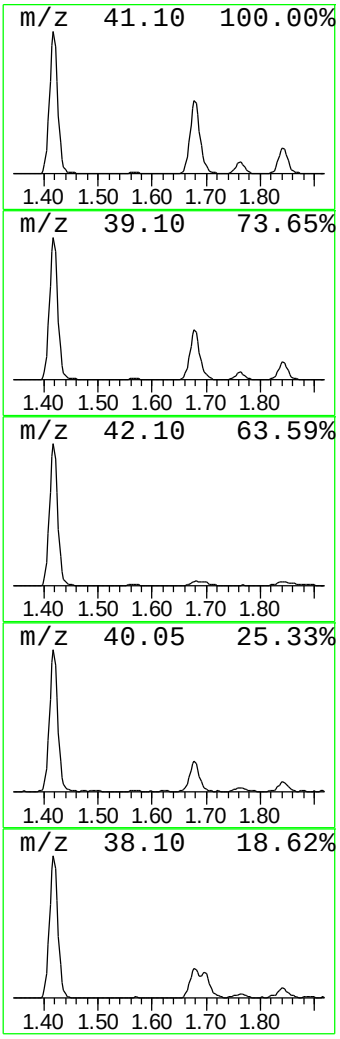
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	6.84 ug/L	221697	1,4-Difluorobenzene	6.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Cyclopropane	42	C3H6	000075-19-4	64
3	Cyclopropane	42	C3H6	000075-19-4	64
4	Propene	42	C3H6	000115-07-1	40
5	Cyclopropene	40	C3H4	002781-85-3	16





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

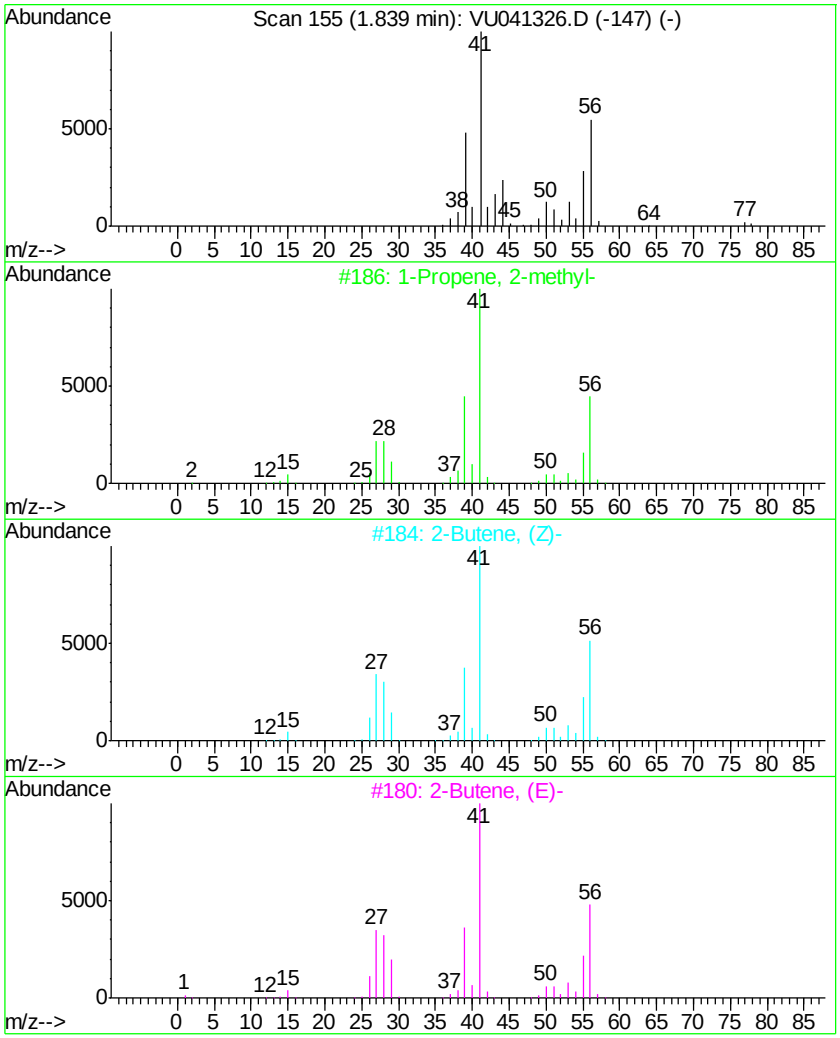
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

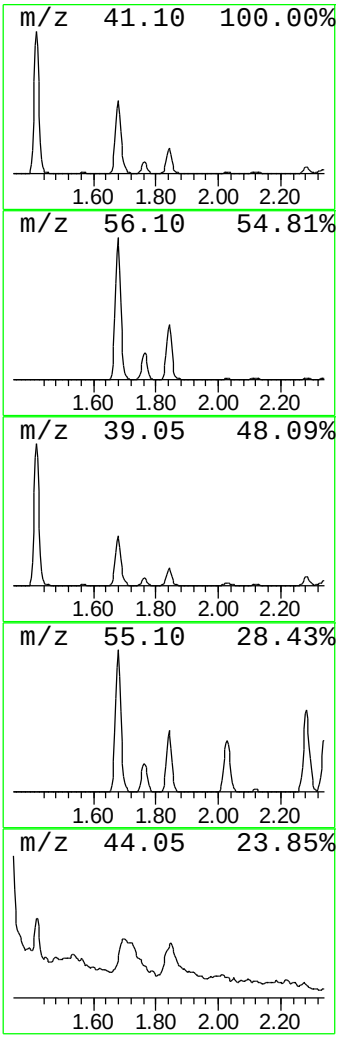
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.84	1.83 ug/L	59454	1,4-Difluorobenzene	6.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	58
2	2-Butene, (Z)-	56	C4H8	000590-18-1	58
3	2-Butene, (E)-	56	C4H8	000624-64-6	52
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	52
5	2-Butene, (E)-	56	C4H8	000624-64-6	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

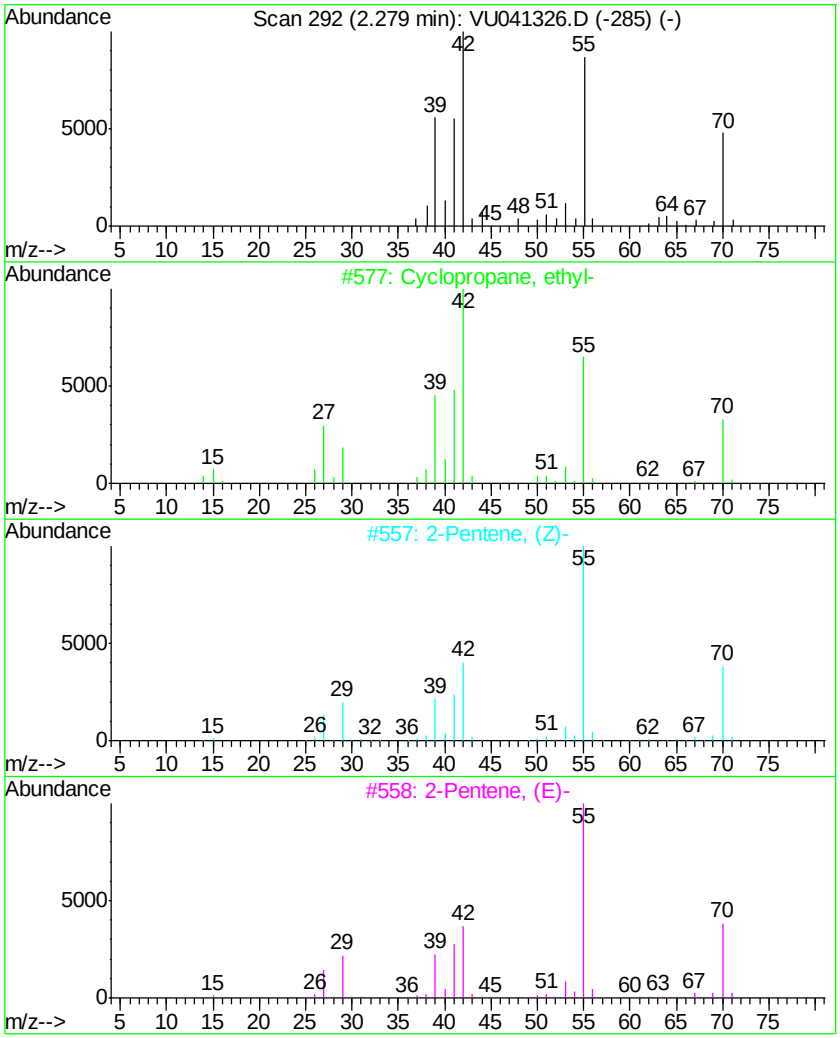
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

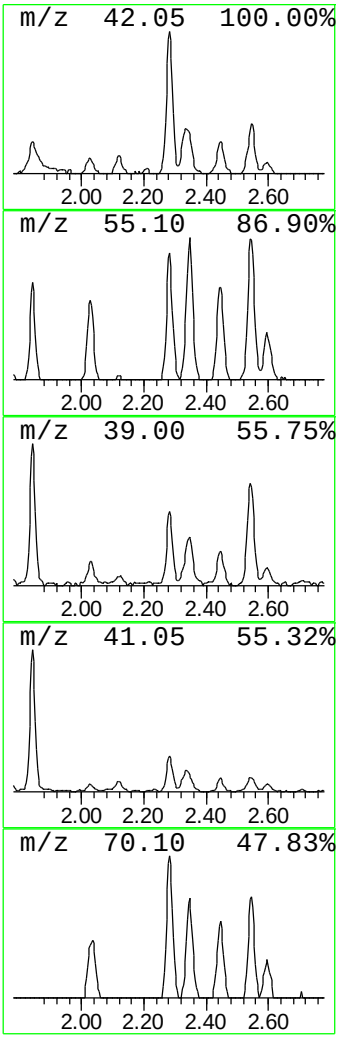
****

Peak Number 3 (DEL) Alkane: Cyclic2.28 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.28	1.06 ug/L	34523	1,4-Difluorobenzene	6.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
3	2-Pentene, (E)-	70	C5H10	000646-04-8	80
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	80
5	2-Pentene	70	C5H10	000109-68-2	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

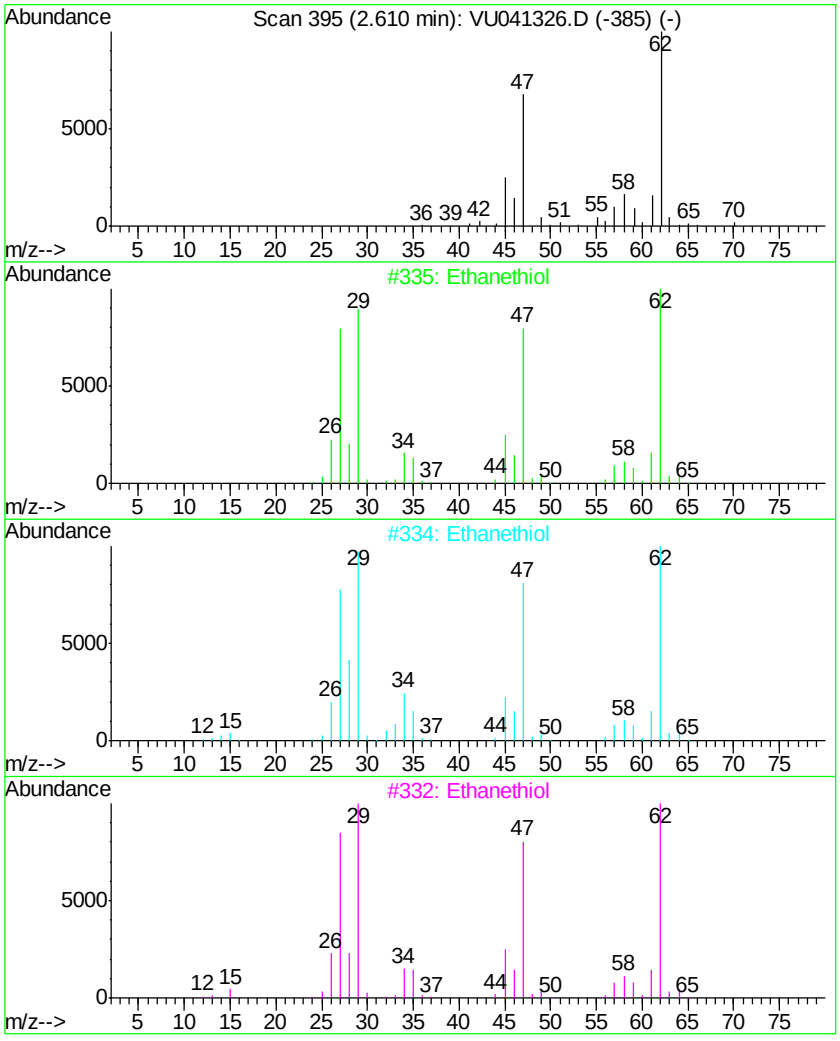
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

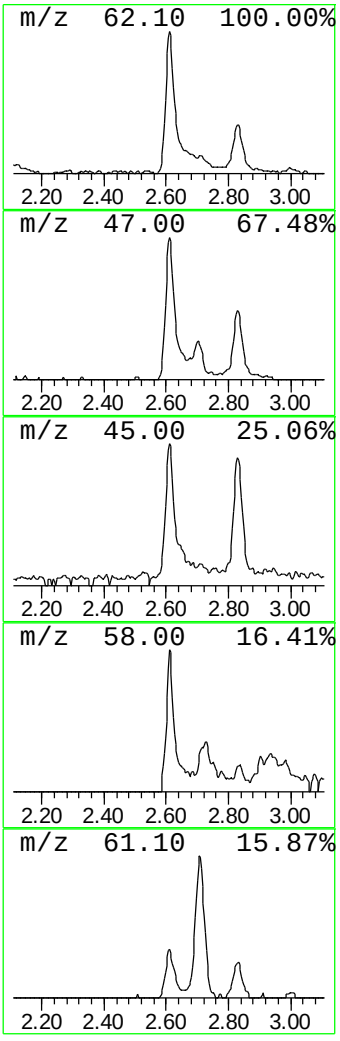
****

Peak Number 4 Ethanethiol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.61	1.88 ug/L	60995	1,4-Difluorobenzene	6.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanethiol	62	C2H6S	000075-08-1	91
2	Ethanethiol	62	C2H6S	000075-08-1	91
3	Ethanethiol	62	C2H6S	000075-08-1	91
4	Ethanethiol	62	C2H6S	000075-08-1	91
5	Ethanethiol	62	C2H6S	000075-08-1	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

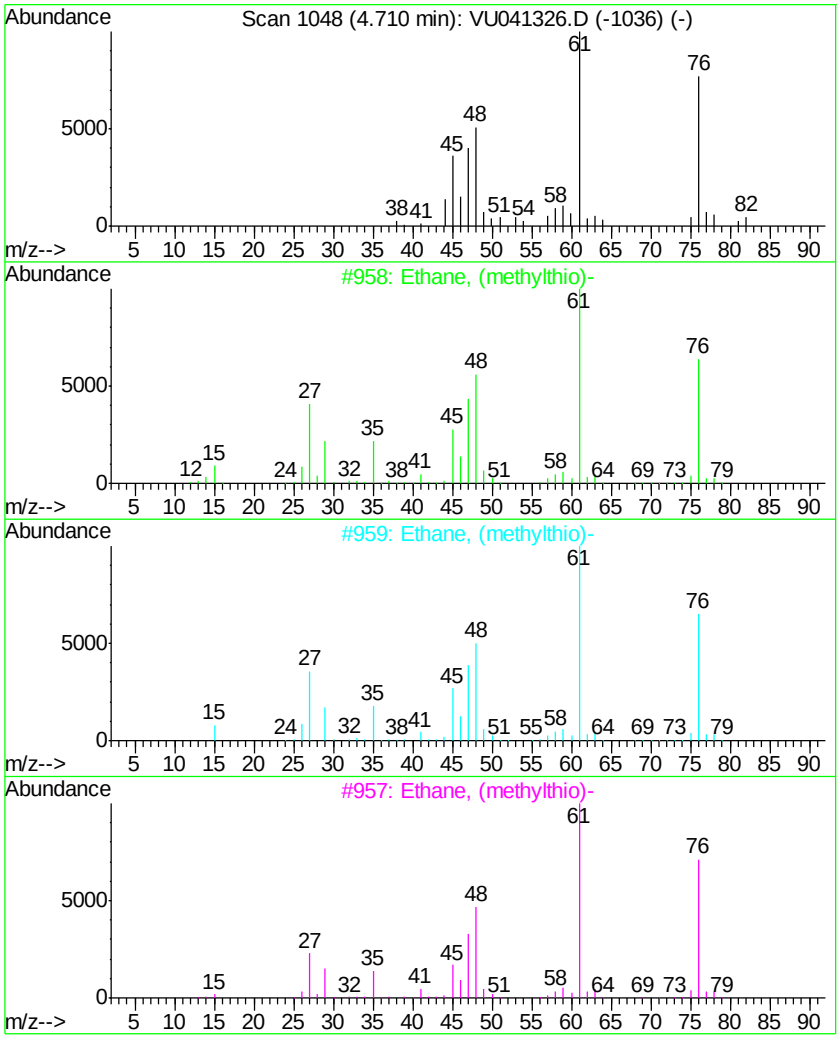
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

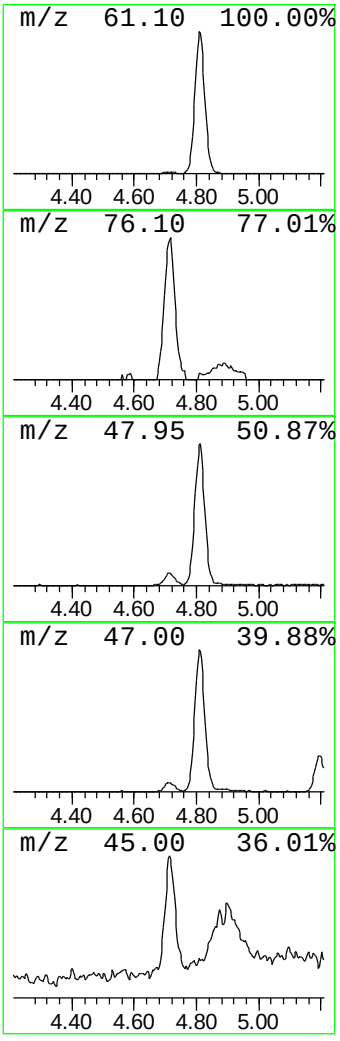
****

Peak Number 5 Ethane, (methylthio)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	1.11 ug/L	36113	1,4-Difluorobenzene	6.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, (methylthio)-	76	C3H8S	000624-89-5	94
2	Ethane, (methylthio)-	76	C3H8S	000624-89-5	94
3	Ethane, (methylthio)-	76	C3H8S	000624-89-5	91
4	Trimethylphosphine	76	C3H9P	000594-09-2	64
5	Trimethylphosphine	76	C3H9P	000594-09-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

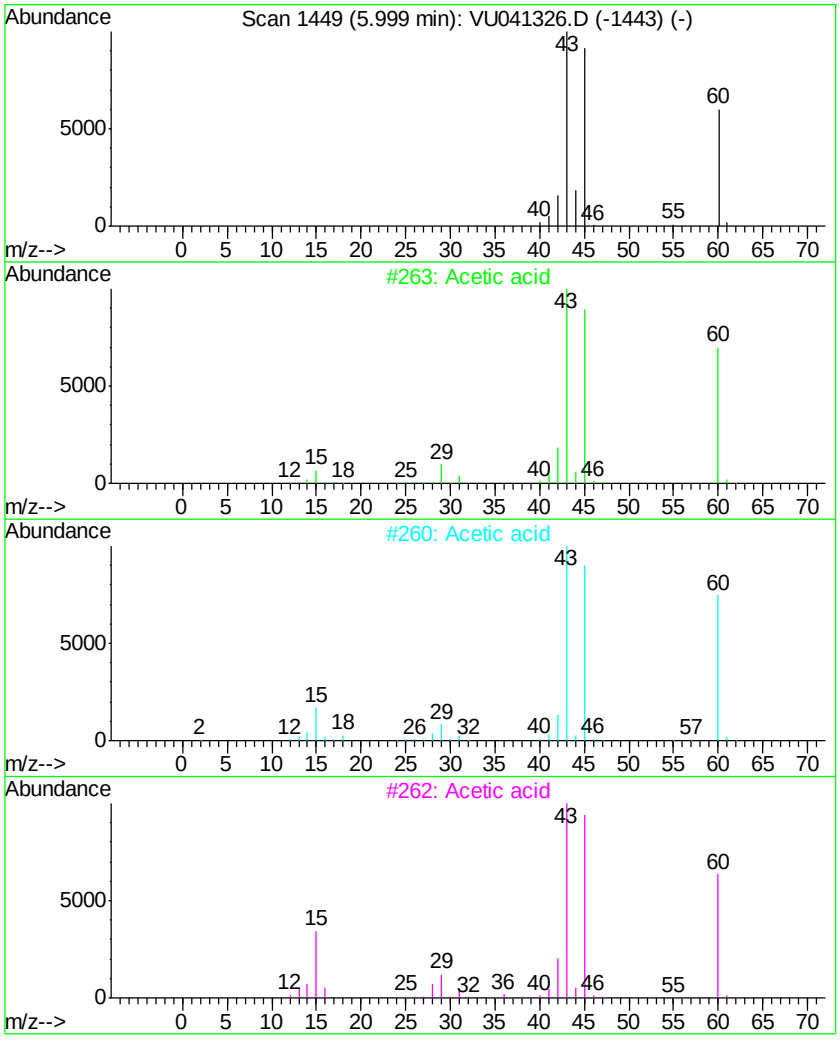
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

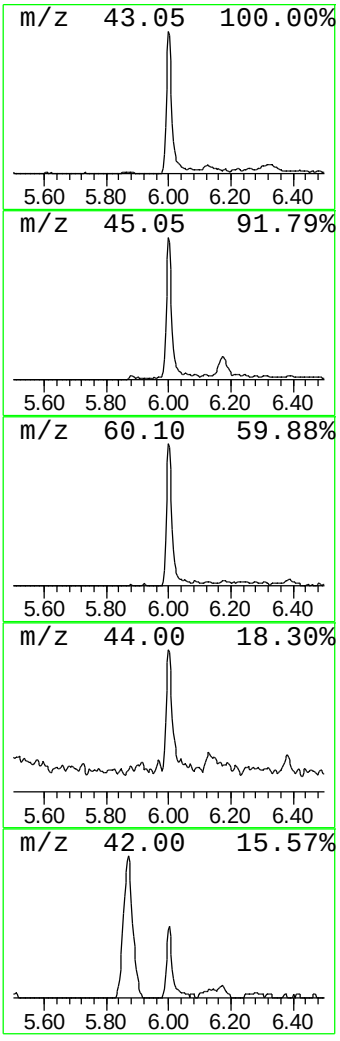
****

Peak Number 6 Acetic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	1.53 ug/L	49516	1,4-Difluorobenzene	6.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	83
2	Acetic acid	60	C2H4O2	000064-19-7	83
3	Acetic acid	60	C2H4O2	000064-19-7	78
4	Acetic acid	60	C2H4O2	000064-19-7	74
5	Acetic acid	60	C2H4O2	000064-19-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

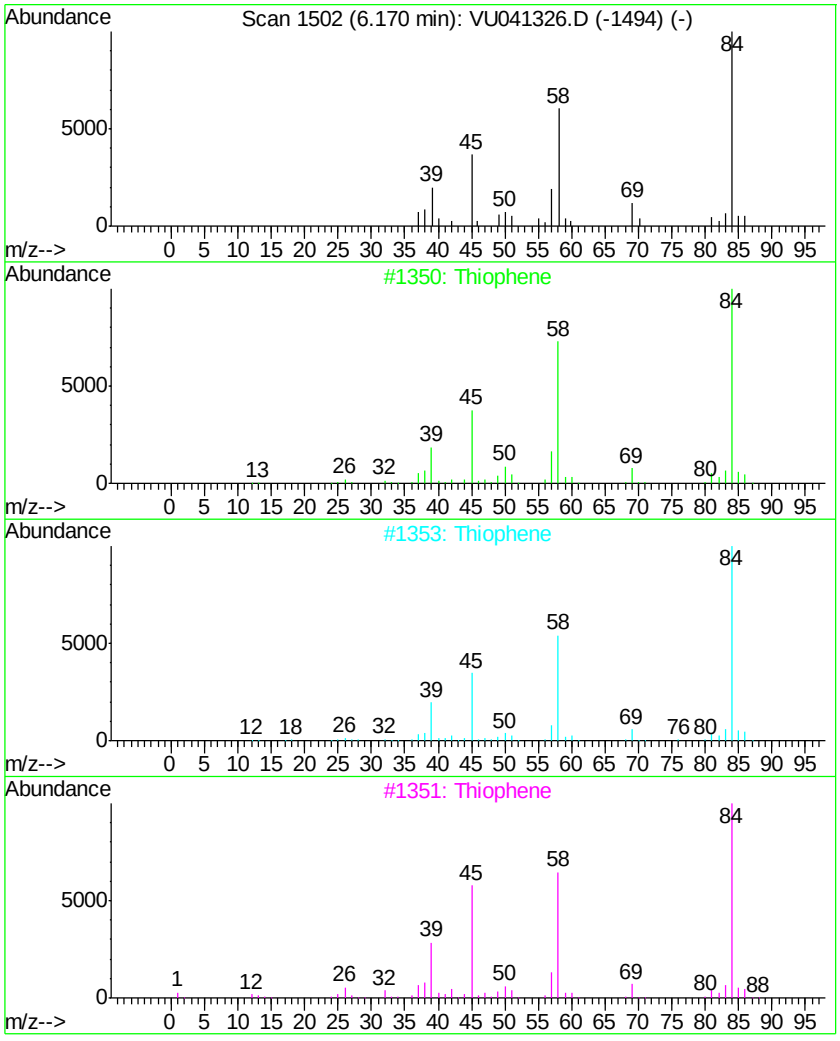
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

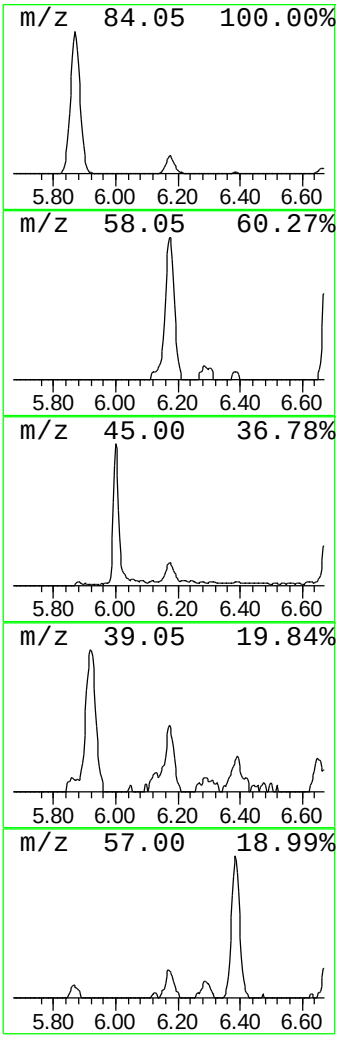
****

Peak Number 7 Thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	1.02 ug/L	33238	1,4-Difluorobenzene	6.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	90
2	Thiophene	84	C4H4S	000110-02-1	86
3	Thiophene	84	C4H4S	000110-02-1	78
4	Thiophene	84	C4H4S	000110-02-1	72
5	Propanal	58	C3H6O	000123-38-6	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

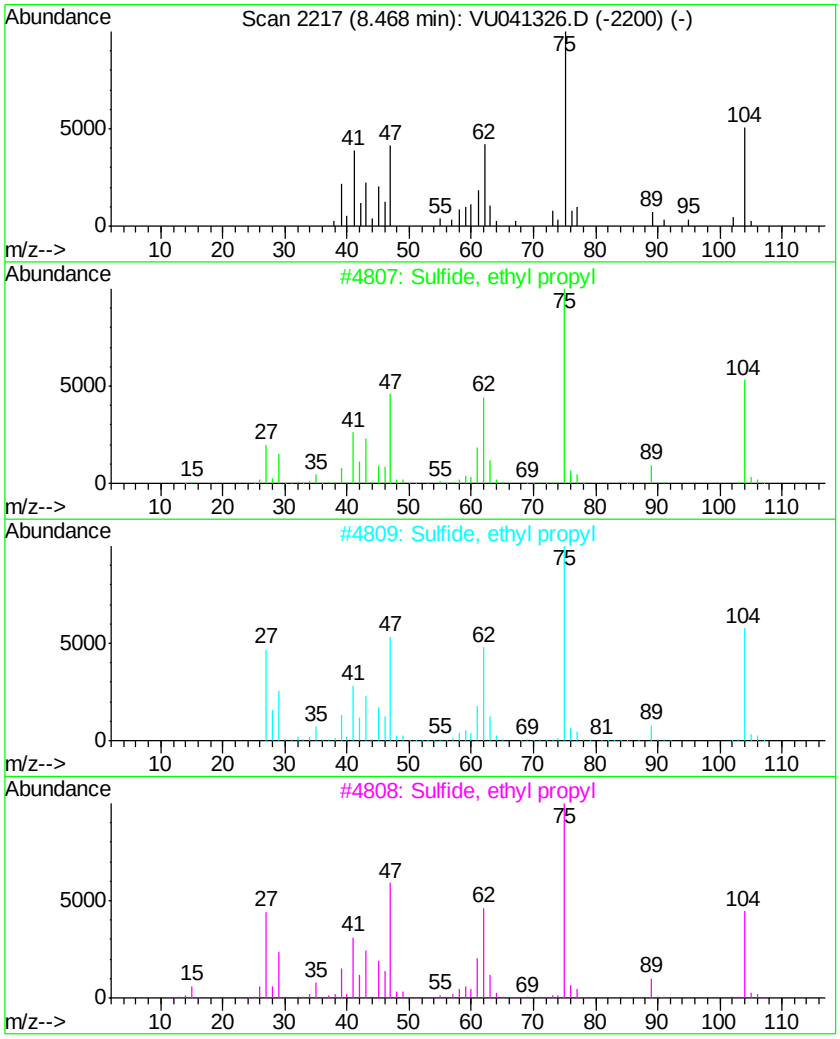
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

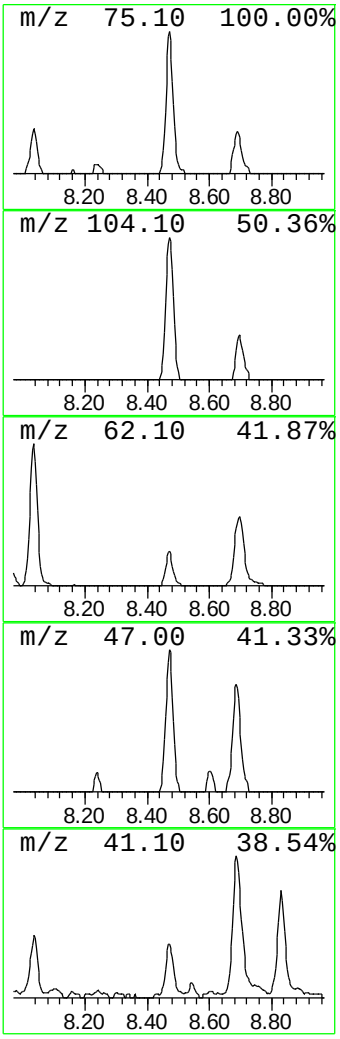
****

Peak Number 9 Sulfide, ethyl propyl Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	0.90 ug/L	40559	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	90
2	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	90
3	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	83
4	Diethyl sulfide	90	C4H10S	000352-93-2	42
5	Diethyl sulfide	90	C4H10S	000352-93-2	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

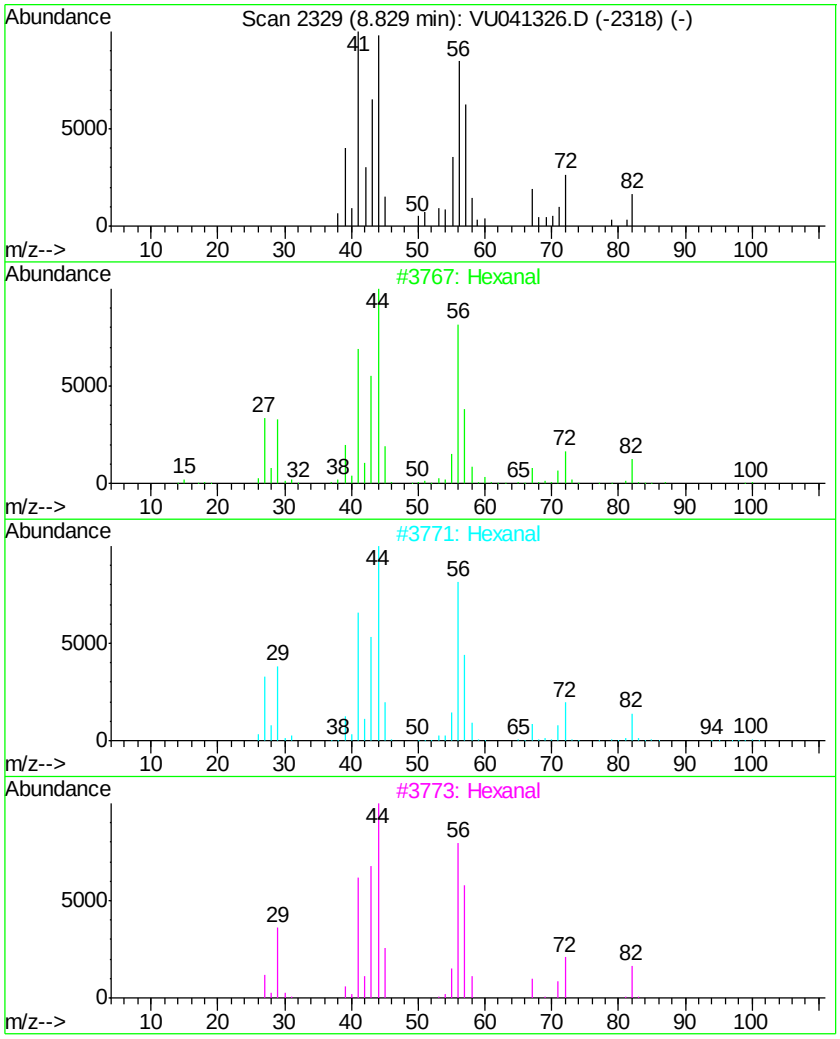
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

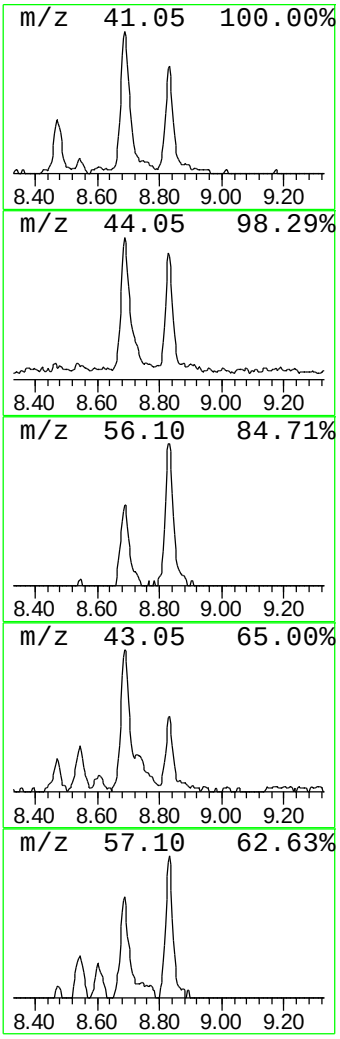
****

Peak Number 10 Hexanal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	0.90 ug/L	40803	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	59
2	Hexanal	100	C6H12O	000066-25-1	59
3	Hexanal	100	C6H12O	000066-25-1	53
4	Hexanal	100	C6H12O	000066-25-1	50
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

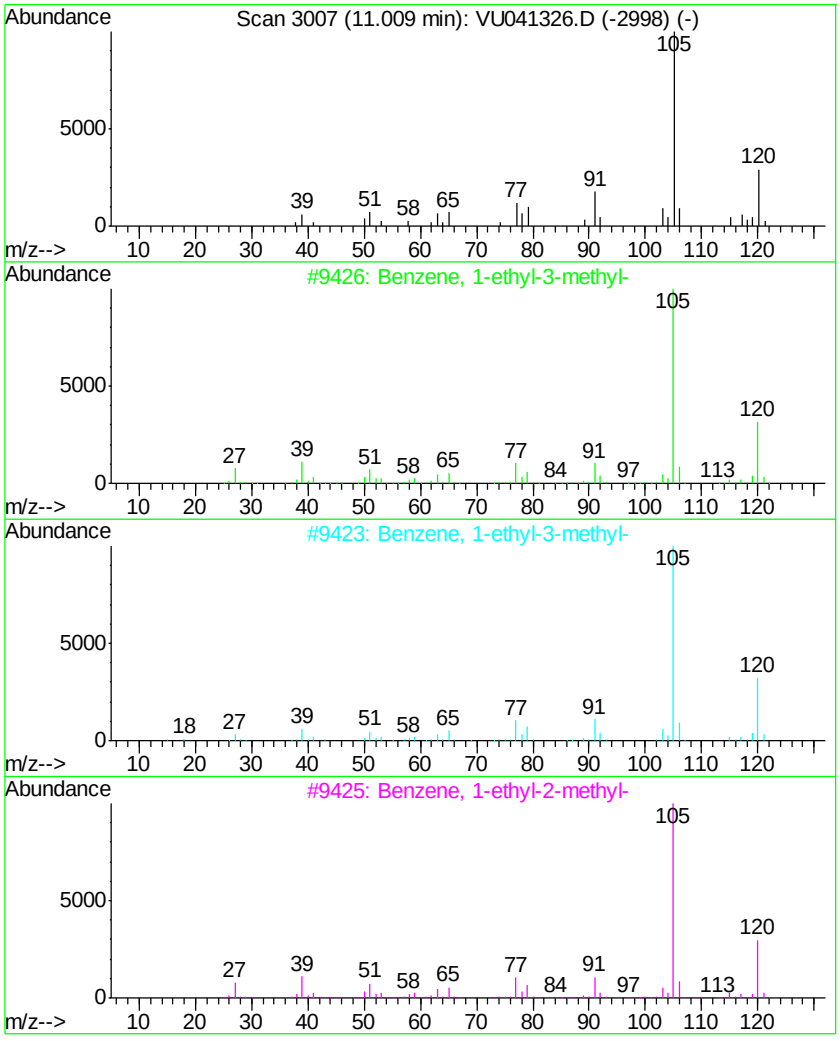
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

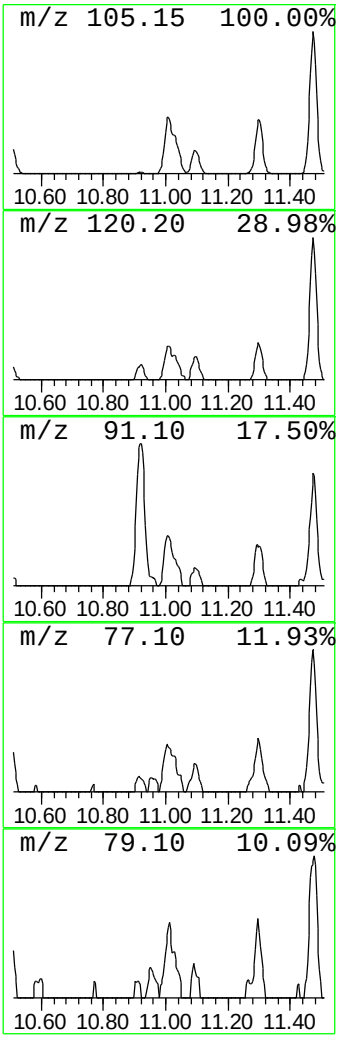
****

Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	0.79 ug/L	35792	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

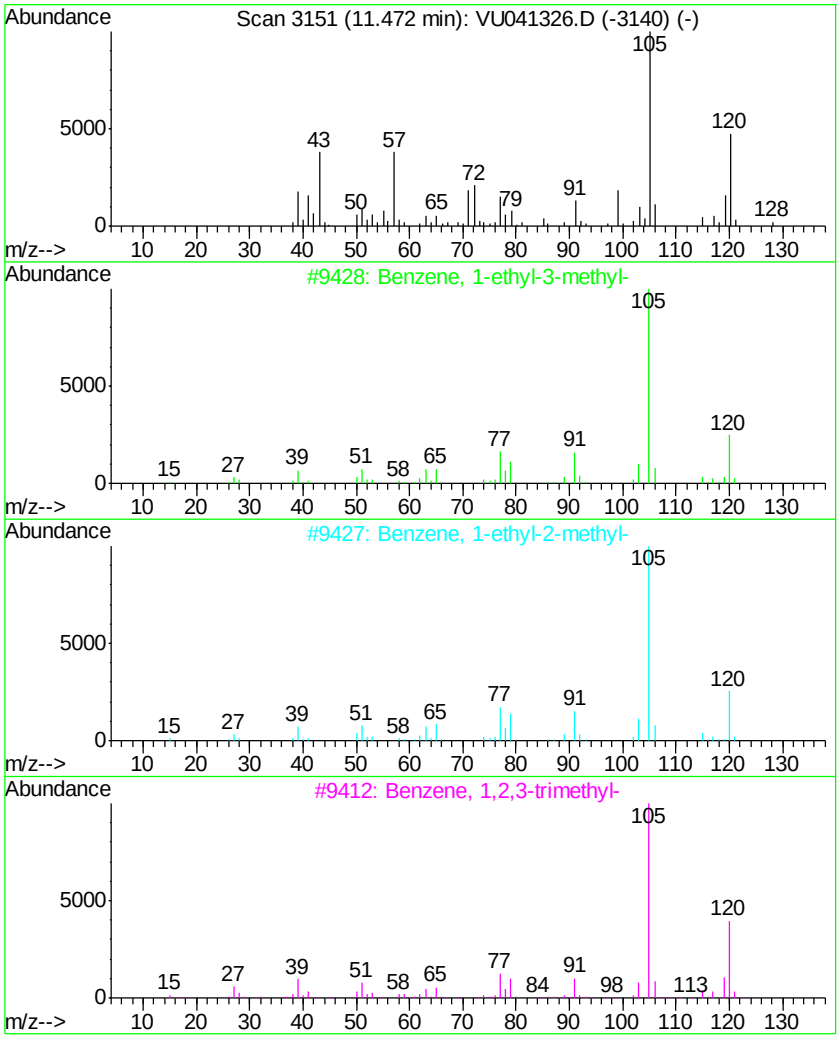
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

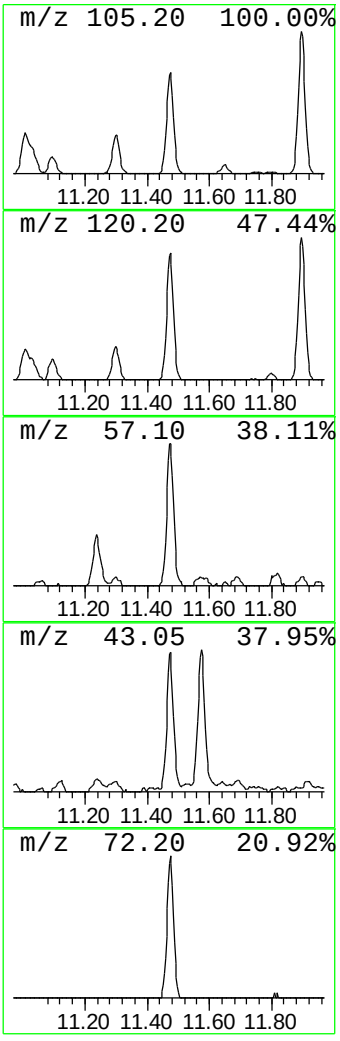
****

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	2.61 ug/L	118662	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	86
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

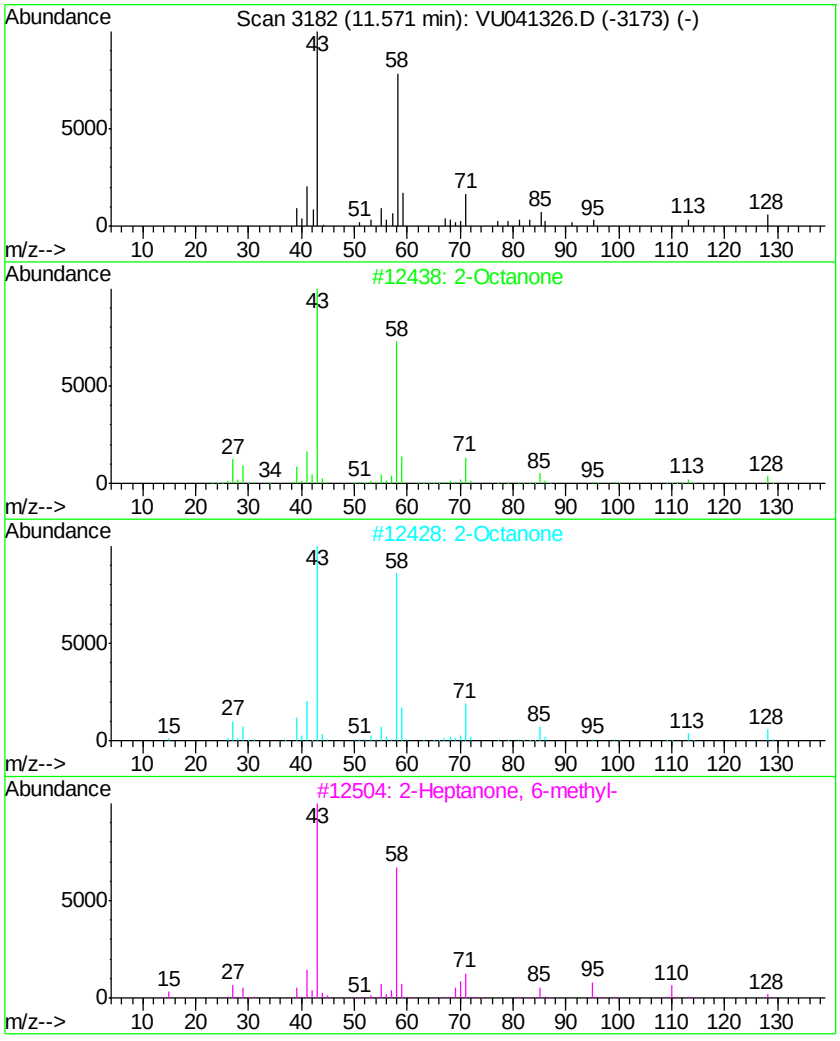
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

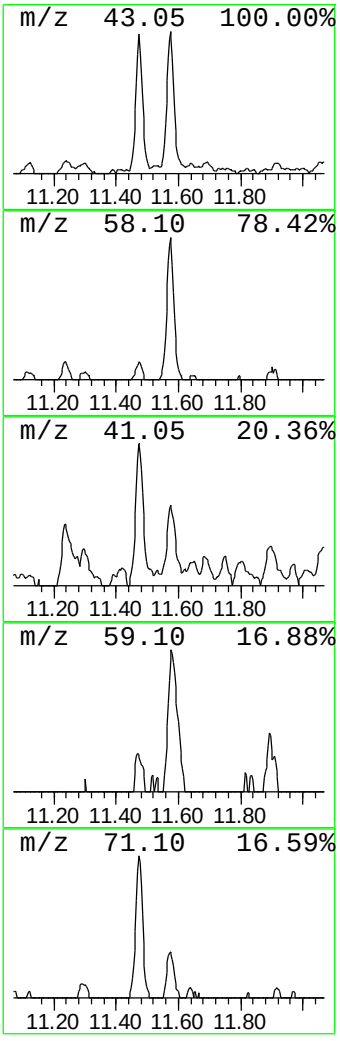
****

Peak Number 13 2-Octanone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.71 ug/L	32424	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	91
2	2-Octanone	128	C8H16O	000111-13-7	90
3	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	78
4	2-Octanone	128	C8H16O	000111-13-7	78
5	2-Octanone	128	C8H16O	000111-13-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

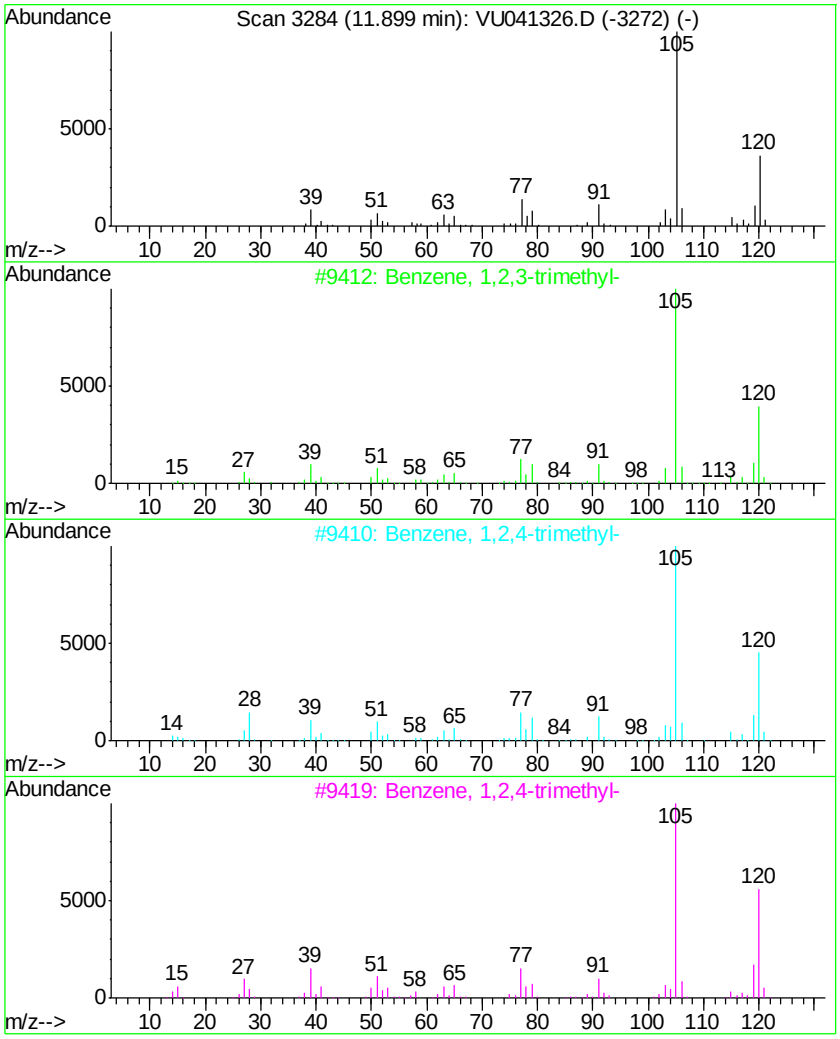
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

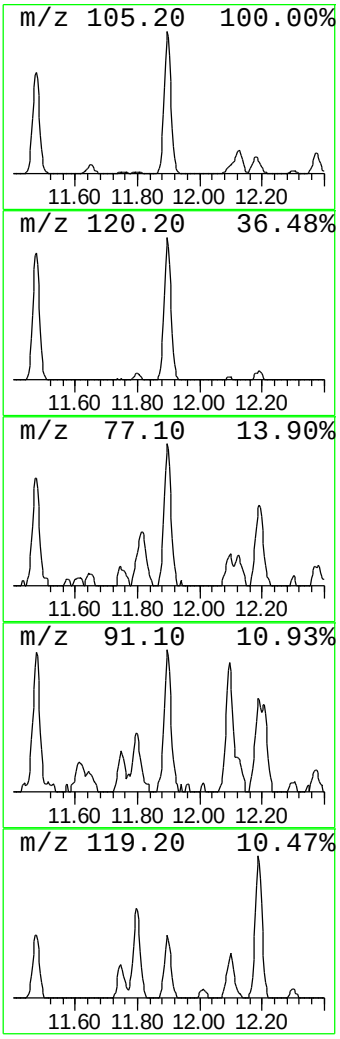
****

Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.07 ug/L	94327	1,4-Dichlorobenzene-d4	11.82

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	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

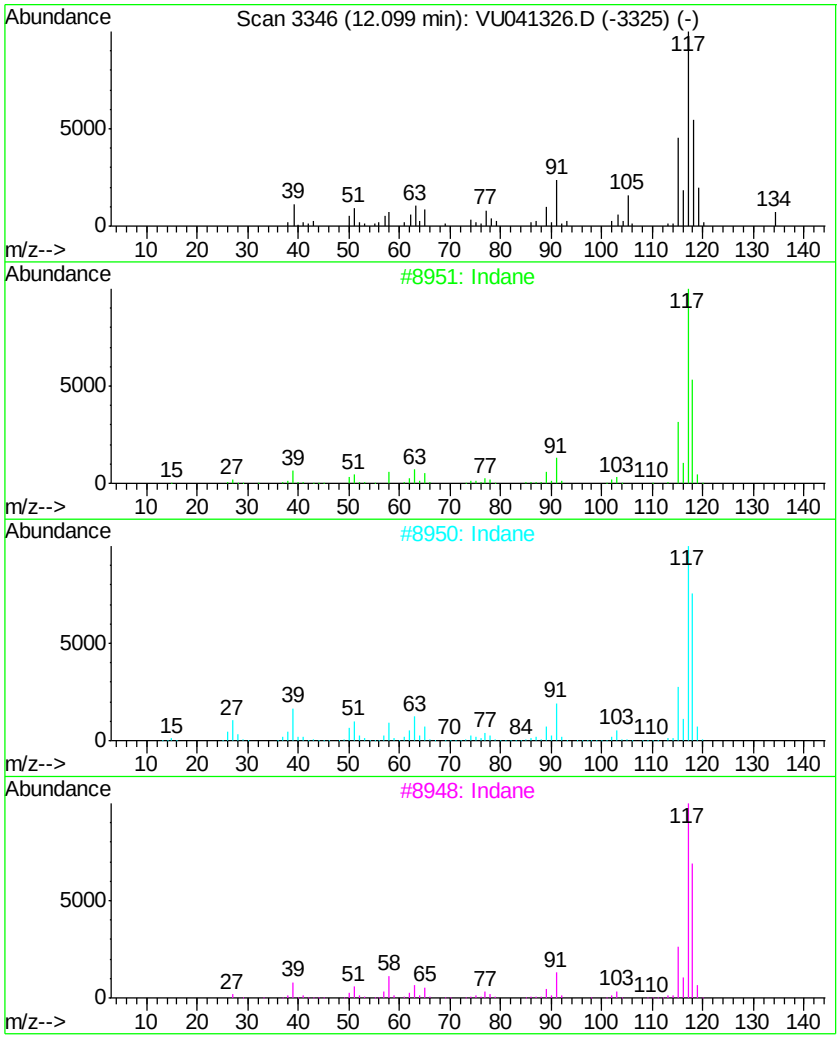
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

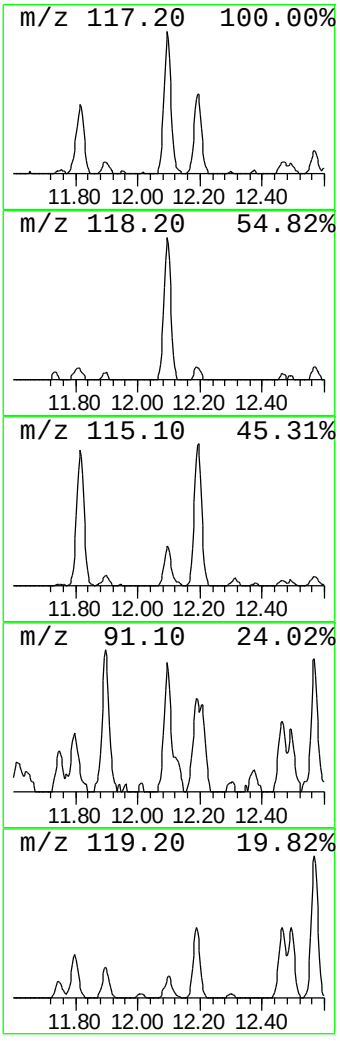
****

Peak Number 15 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	1.69 ug/L	76692	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	64
2	Indane	118	C9H10	000496-11-7	64
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	58
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

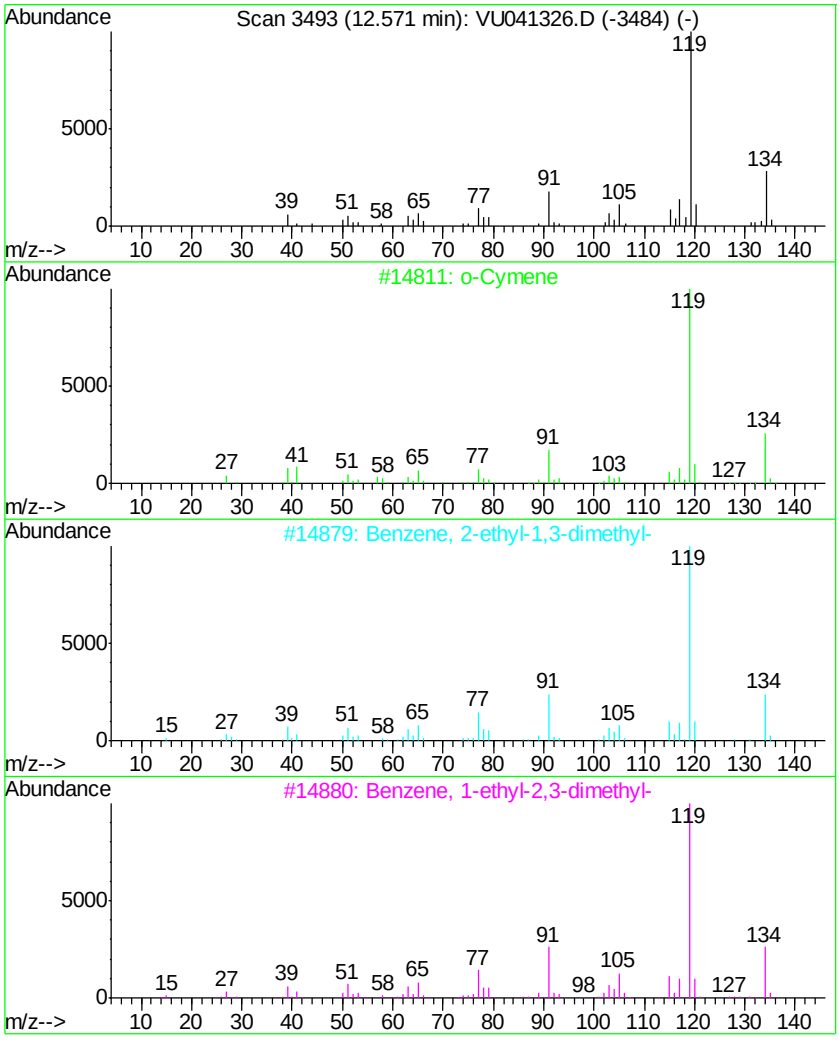
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

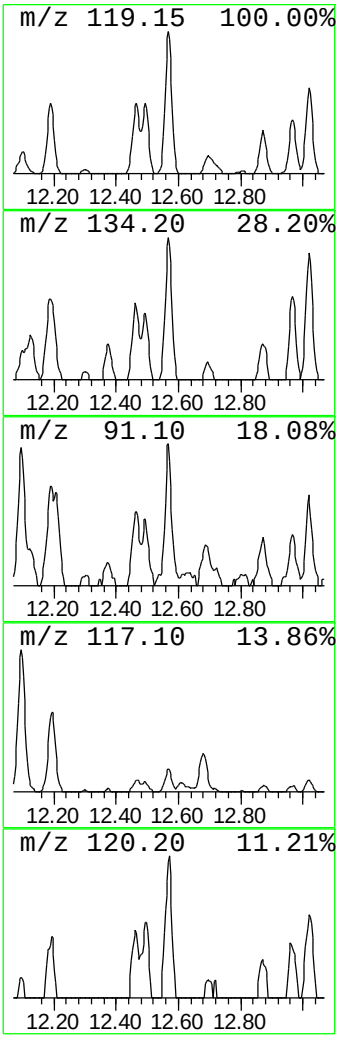
****

Peak Number 16 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	0.91 ug/L	41345	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

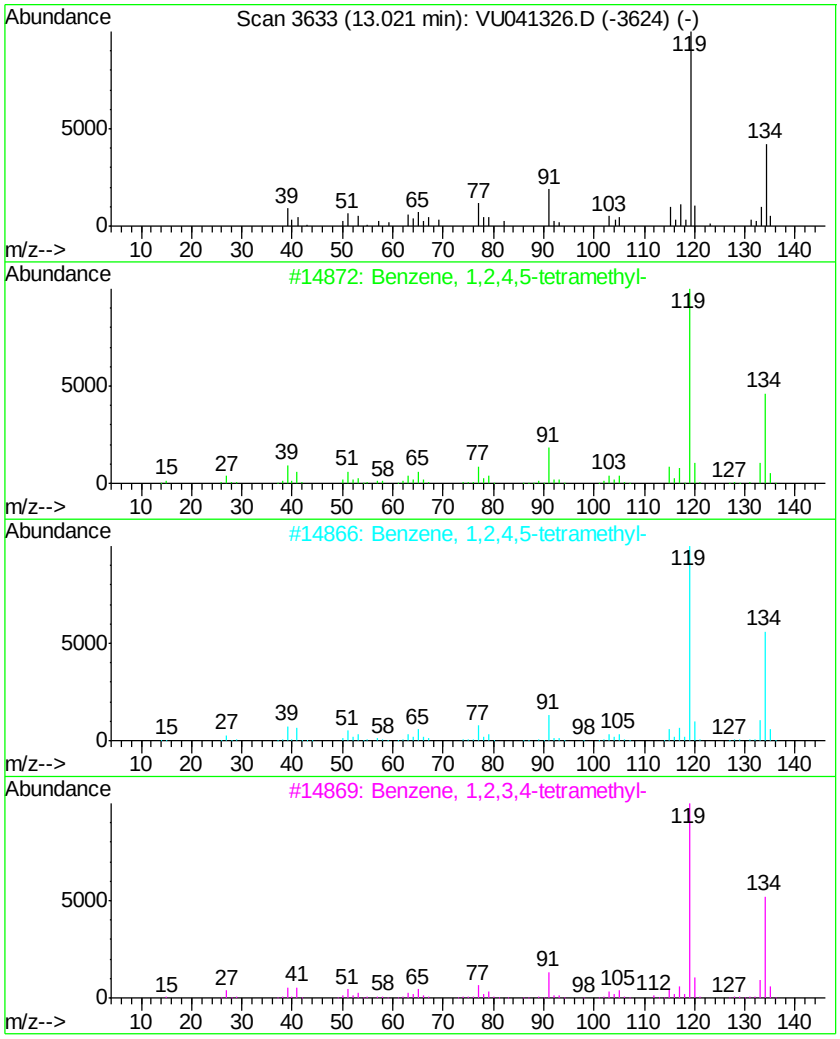
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

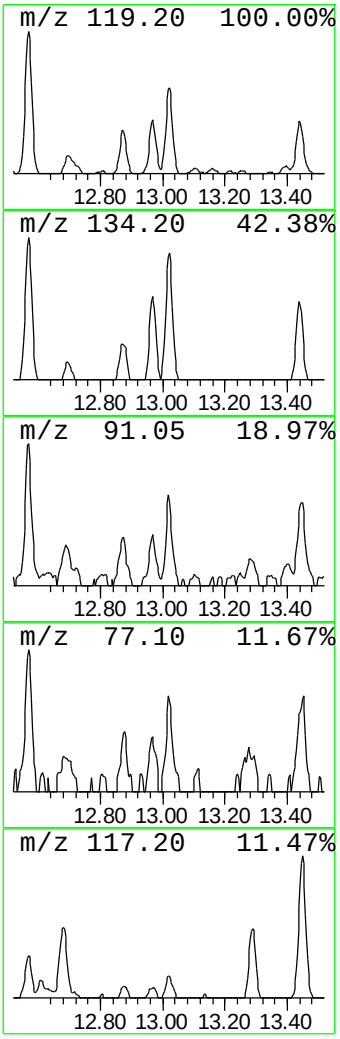
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	0.72 ug/L	32969	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

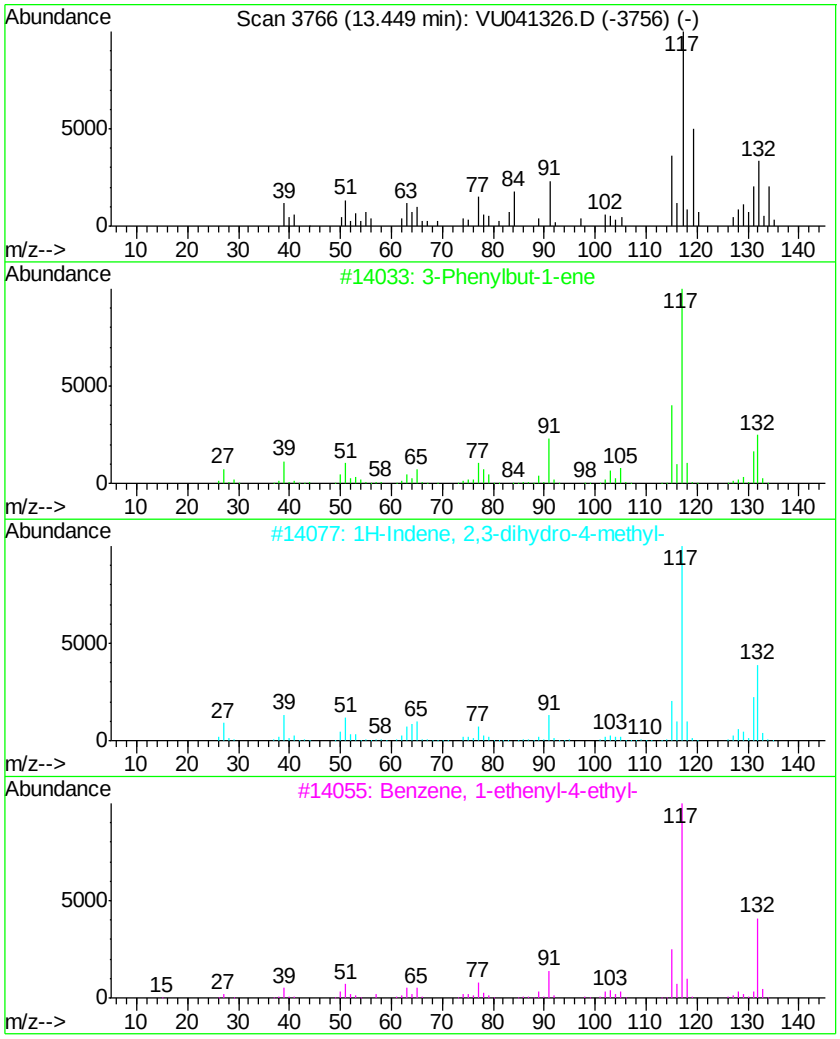
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

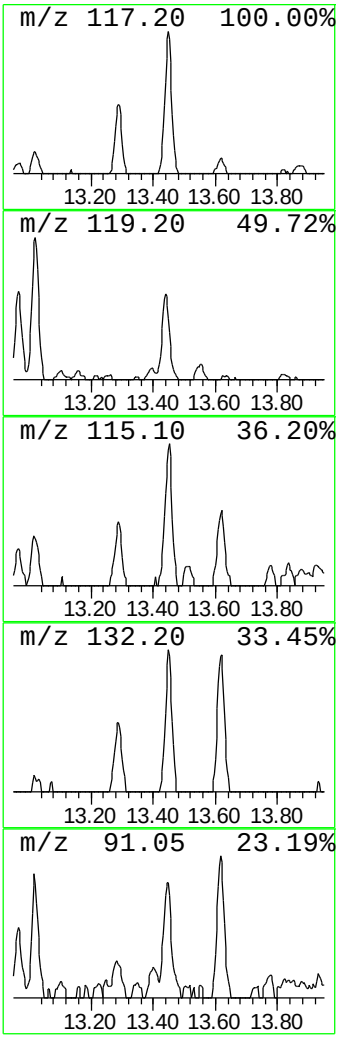
****

Peak Number 18 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	1.12 ug/L	50761	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	60
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	60
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

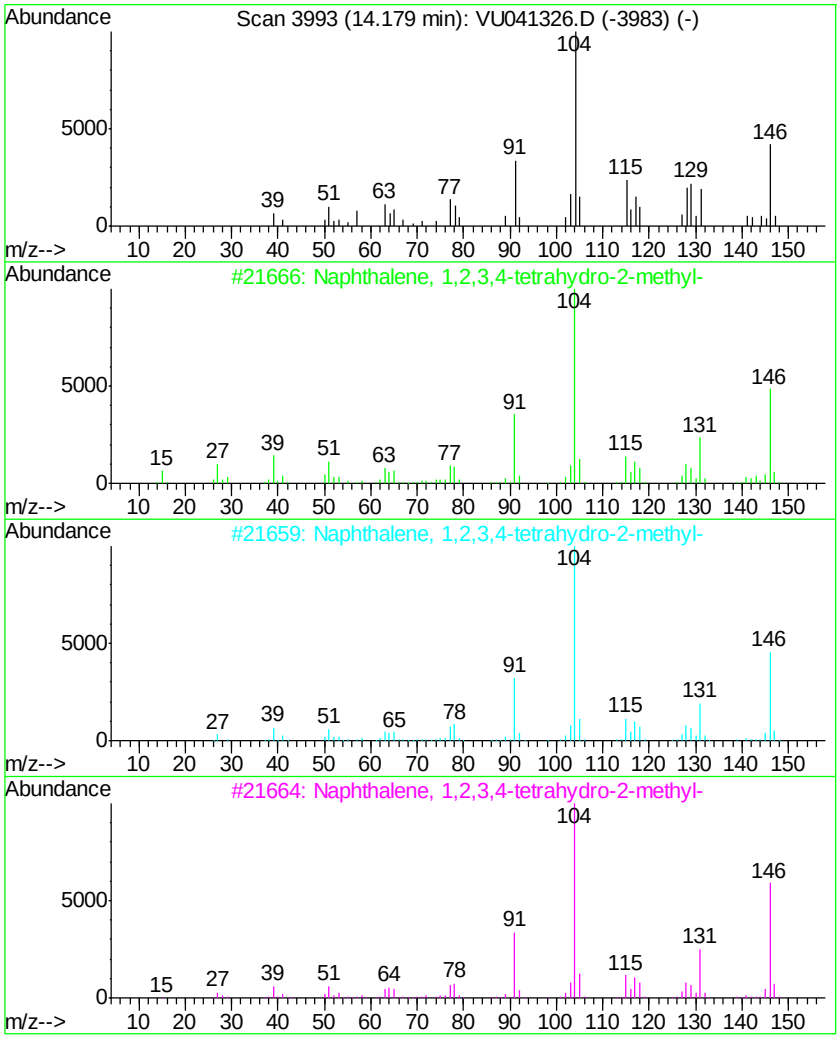
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

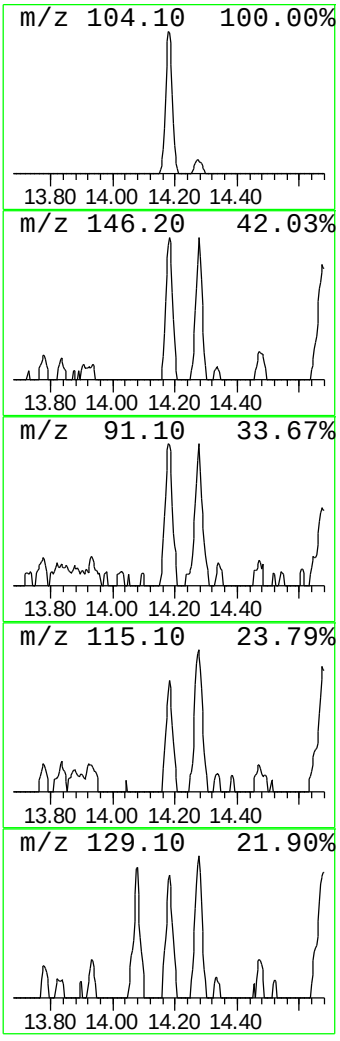
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	0.72 ug/L	32967	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	76
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

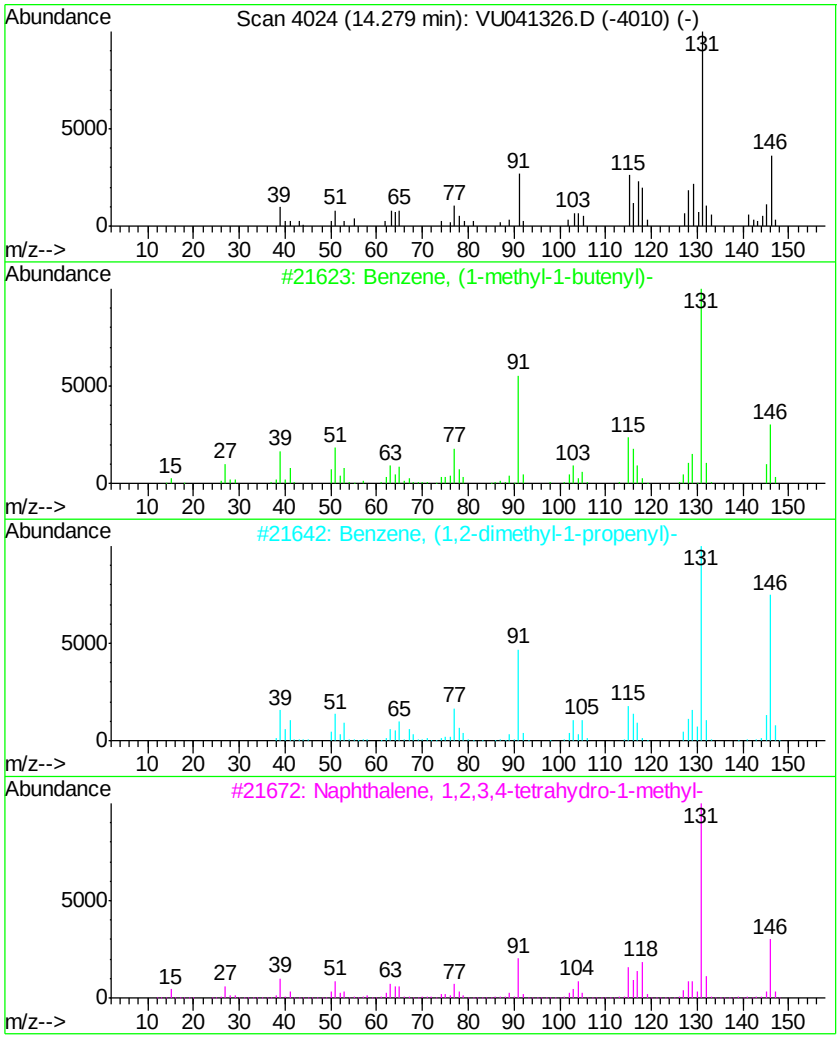
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

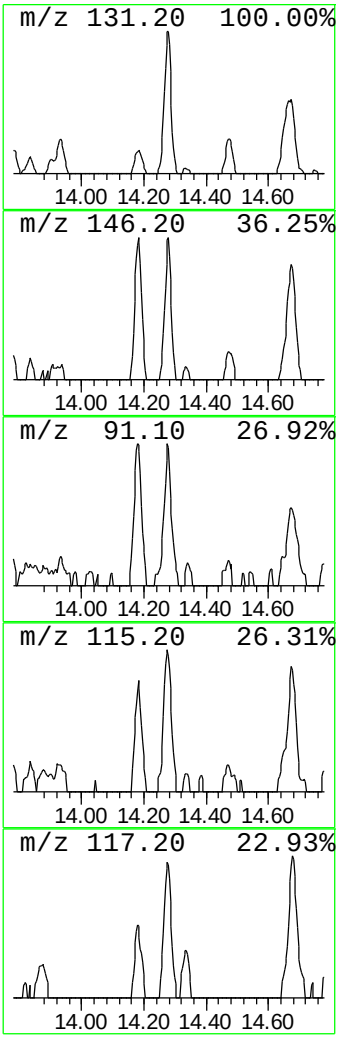
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, (1-methyl-1-butenyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	0.79 ug/L	35924	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	81
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

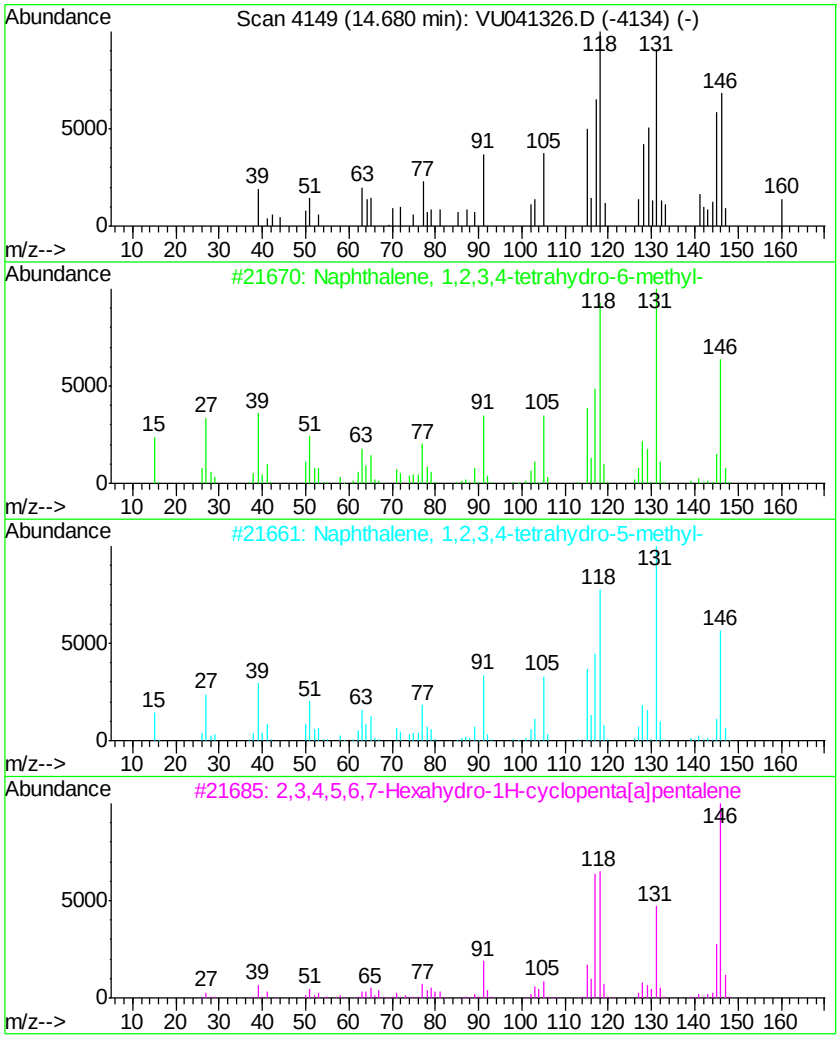
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

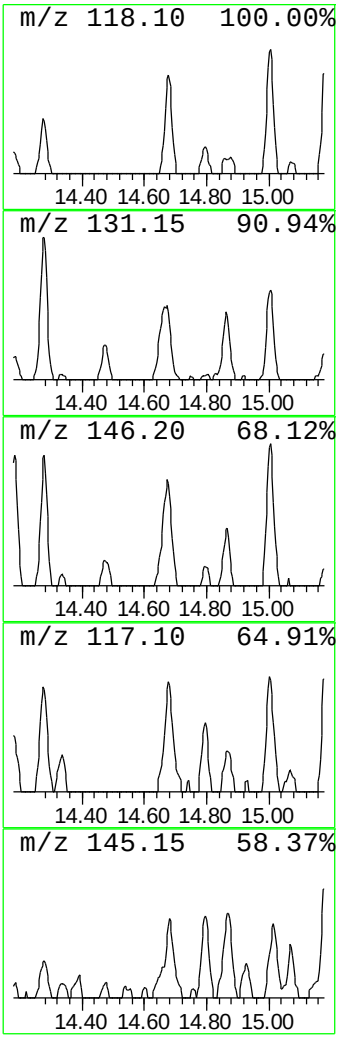
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	0.93 ug/L	42122	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	86
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

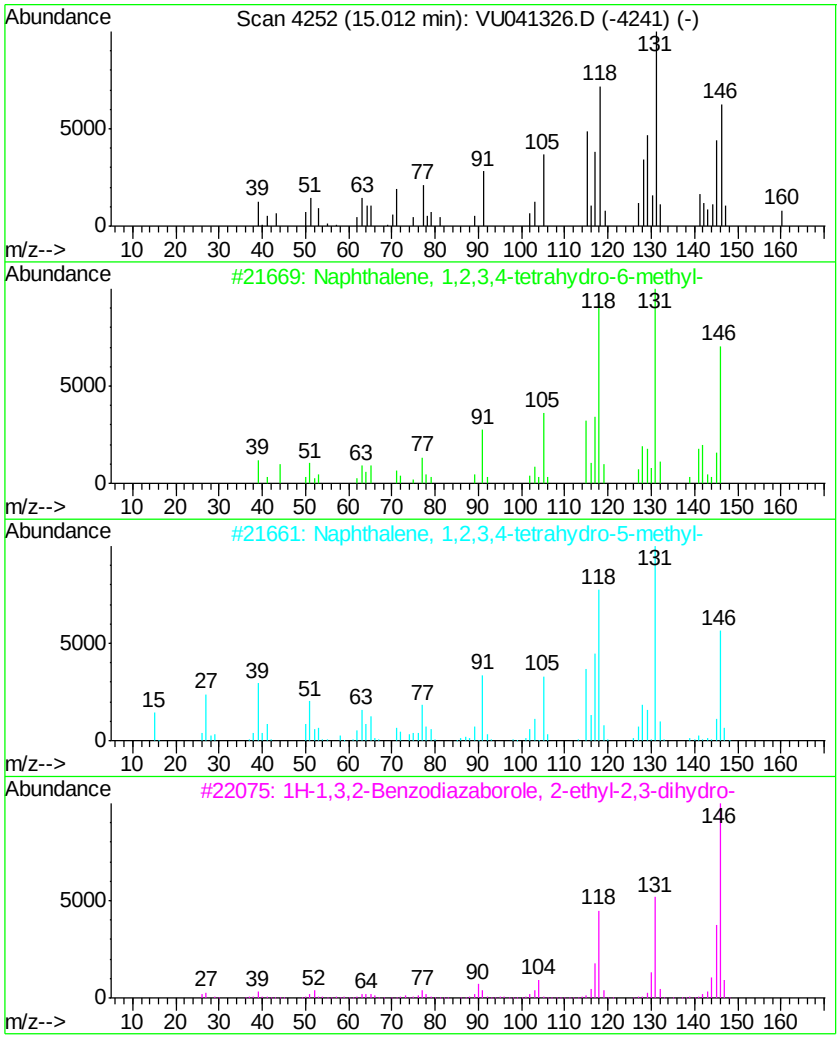
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

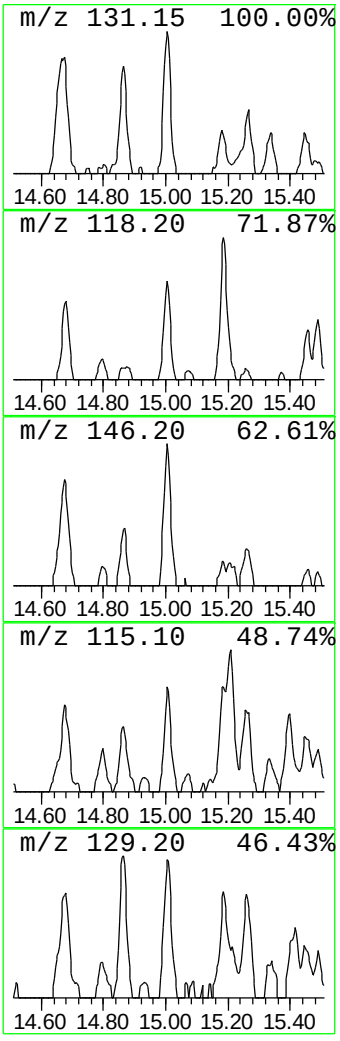
****

Peak Number 22 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	0.79 ug/L	35937	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	91
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

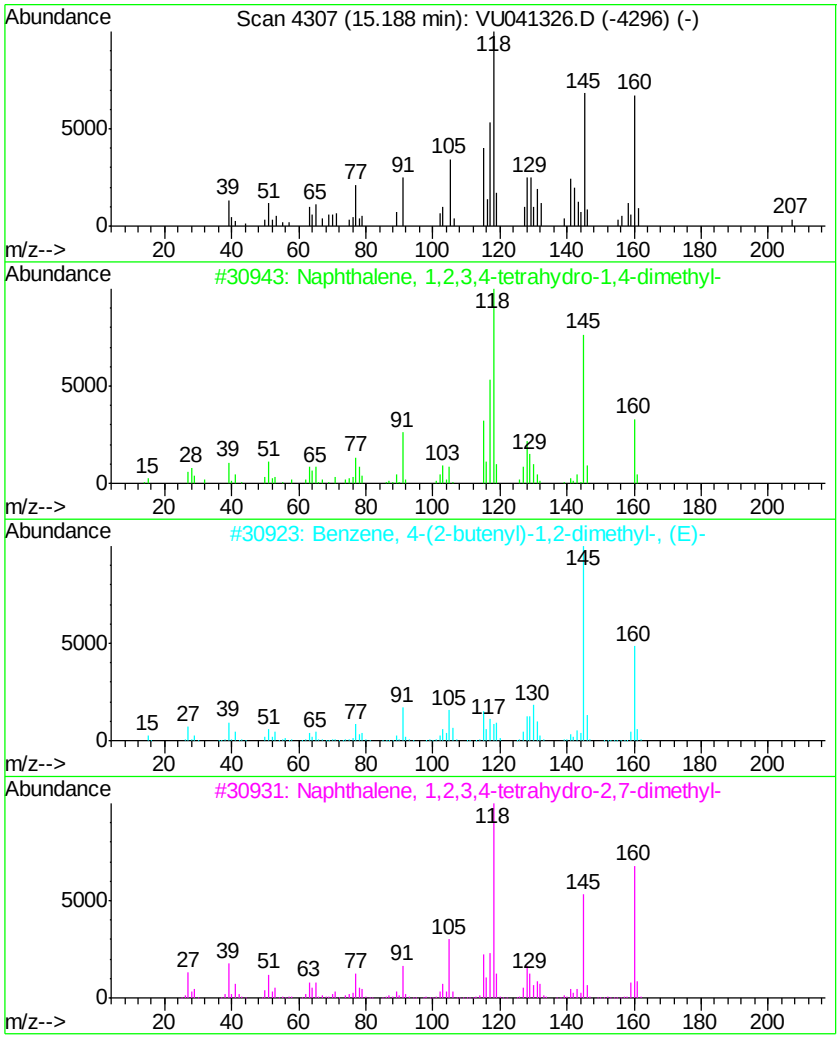
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

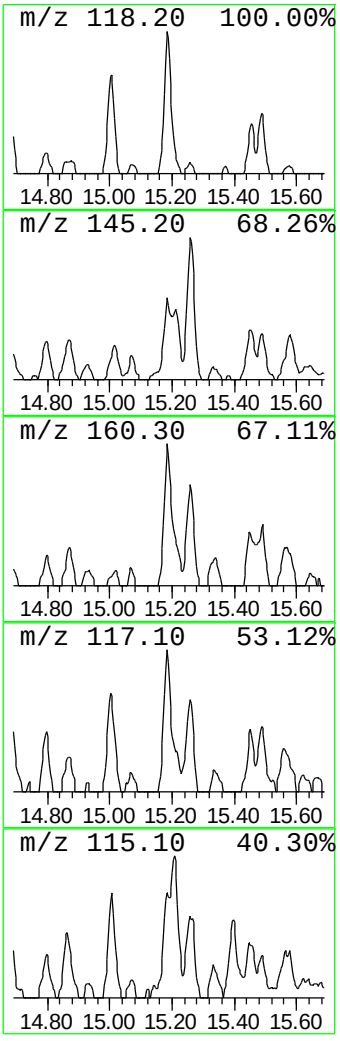
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	0.82 ug/L	37263	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	83
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	58
5	Hex-3-ene-1,5-diyne, 3,4-diisopr...	160	C12H16	1000211-22-8	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

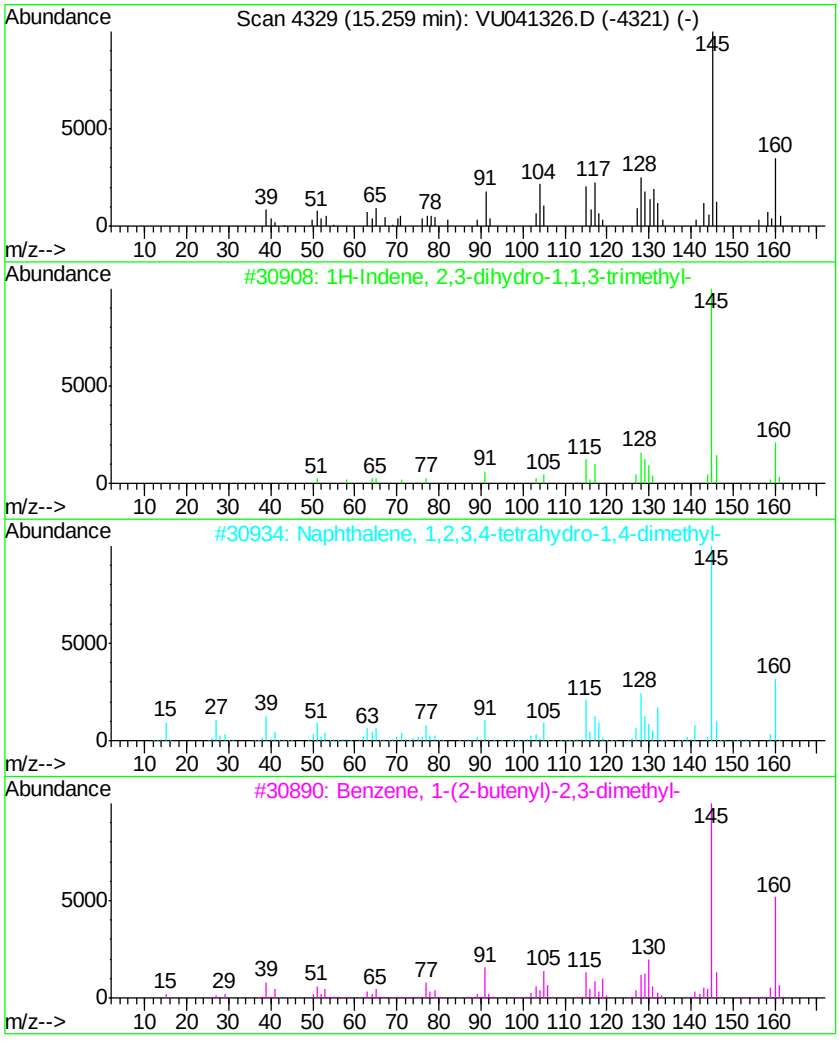
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

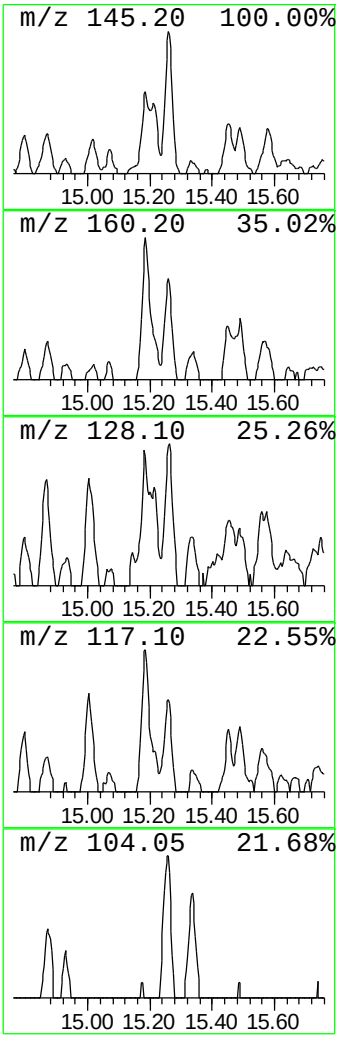
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	0.88 ug/L	39978	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	86
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	70
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	64
4	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	62
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

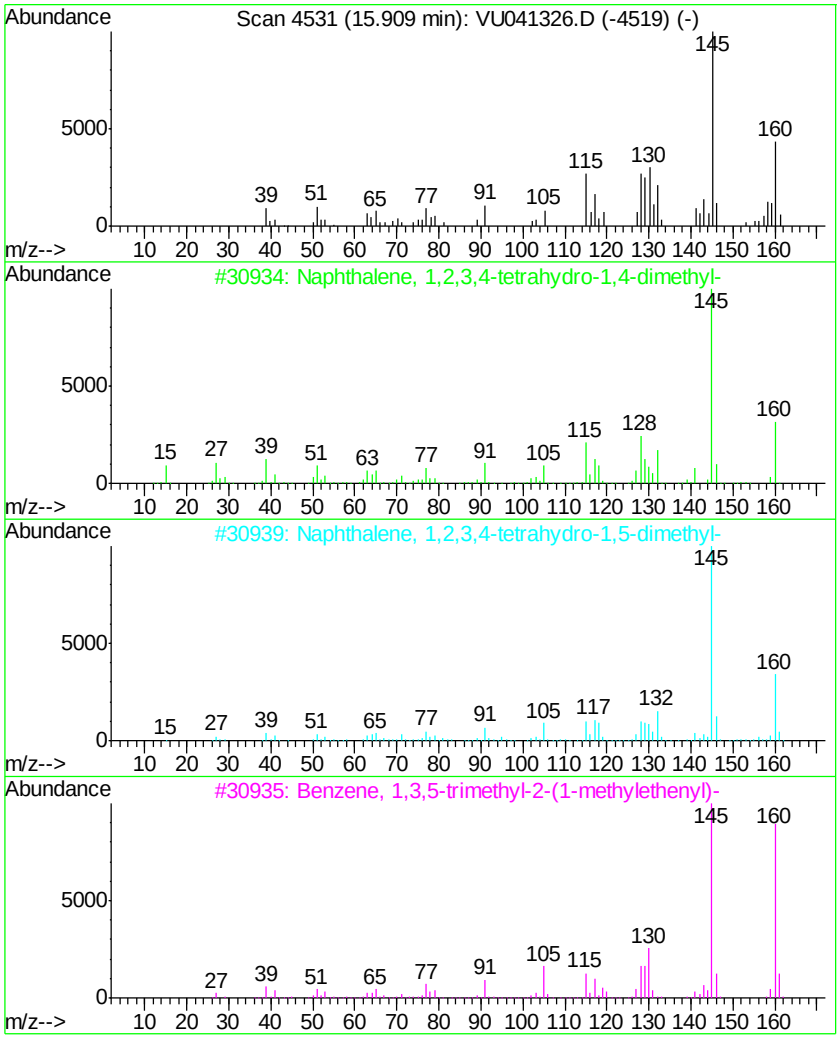
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

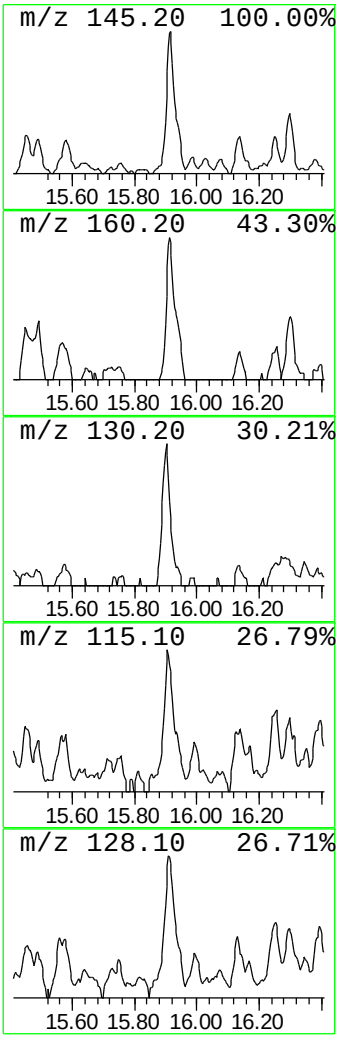
****

Peak Number 25 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	1.61 ug/L	73175	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	89
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	70
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	70
4	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	70
5	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Data File : VU041326.D
Acq On : 18 Nov 2020 21:00
Operator : SY/MD
Sample : L4790-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.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...	1.42	6.8	ug/L	221697	1	6.38	162145	5.0
(DEL) Alkane: Str...	1.84	1.8	ug/L	59454	1	6.38	162145	5.0
(DEL) Alkane: Cyc...	2.28	1.1	ug/L	34523	1	6.38	162145	5.0
Ethanethiol	2.61	1.9	ug/L	60995	1	6.38	162145	5.0
Ethane, (methylth...	4.71	1.1	ug/L	36113	1	6.38	162145	5.0
Acetic acid	6.00	1.5	ug/L	49516	1	6.38	162145	5.0
Thiophene	6.17	1.0	ug/L	33238	1	6.38	162145	5.0
Sulfide, ethyl pr...	8.47	0.9	ug/L	40559	2	9.45	225645	5.0
Hexanal	8.83	0.9	ug/L	40803	2	9.45	225645	5.0
Benzene, 1-ethyl-...	11.01	0.8	ug/L	35792	3	11.82	227468	5.0
Benzene, 1-ethyl-...	11.47	2.6	ug/L	118662	3	11.82	227468	5.0
2-Octanone	11.57	0.7	ug/L	32424	3	11.82	227468	5.0
Benzene, 1,2,3-tr...	11.90	2.1	ug/L	94327	3	11.82	227468	5.0
Indane	12.10	1.7	ug/L	76692	3	11.82	227468	5.0
o-Cymene	12.57	0.9	ug/L	41345	3	11.82	227468	5.0
Benzene, 1,2,4,5-...	13.02	0.7	ug/L	32969	3	11.82	227468	5.0
3-Phenylbut-1-ene	13.45	1.1	ug/L	50761	3	11.82	227468	5.0
Naphthalene, 1,2,...	14.18	0.7	ug/L	32967	3	11.82	227468	5.0
Benzene, (1-methy...	14.28	0.8	ug/L	35924	3	11.82	227468	5.0
Naphthalene, 1,2,...	14.68	0.9	ug/L	42122	3	11.82	227468	5.0
Naphthalene, 1,2,...	15.01	0.8	ug/L	35937	3	11.82	227468	5.0
Naphthalene, 1,2,...	15.19	0.8	ug/L	37263	3	11.82	227468	5.0
1H-Indene, 2,3-di...	15.26	0.9	ug/L	39978	3	11.82	227468	5.0
1H-Inden-1-one, 2...	15.91	1.6	ug/L	73175	3	11.82	227468	5.0