LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

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\SOMVTR052620WMA.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	1.316	61	70	76	rBV2	53381	59835	1.54%	0.392%
2	1.361	76	84	89	rBV	25621	39117	1.01%	0.256%
3	1.579	146	152	164	rVB	34703	43958	1.13%	0.288%
4	2.039	288	295	308	rVB	28462	41406	1.07%	0.271%
5	2.123	312	321	338	rVB2	72004	128146	3.30%	0.840%
6	2.235	342	356	376	rBV	15308	67437	1.74%	0.442%
7	2.795	515	530	555	rBV	590074	1303537	33.57%	8.545%
8	3.595	767	779	796	rVB2	18839	44275	1.14%	0.290%
9	3.946	878	888	908	rBV4	26893	76532	1.97%	0.502%
10	4.377	1006	1022	1040	rBV	57349	144476	3.72%	0.947%
11	4.479	1042	1054	1072	rVB	44323	105220	2.71%	0.690%
12	5.071	1222	1238	1272	rBV2	144172	344463	8.87%	2.258%
13	5.325	1275	1317	1384	rBV5	164188	1278929	32.94%	8.384%
14	5.643	1404	1416	1435	rBV	142322	311716	8.03%	2.043%
15	6.097	1544	1557	1577	rBV2	77622	158853	4.09%	1.041%
16	6.672	1721	1736	1754	rVB2	25424	55218	1.42%	0.362%
17	6.801	1760	1776	1779	rBV2	65335	119116	3.07%	0.781%
18	7.010	1823	1841	1859	rBV	39341	71447	1.84%	0.468%
19	7.122	1861	1876	1887	rBV2	94515	253552	6.53%	1.662%
20	7.196	1888	1899	1931	rVV	164700	513945	13.24%	3.369%
21	7.338	1931	1943	1958	rVB	180648	310347	7.99%	2.034%
22	7.547	1989	2008	2031	rBV2	189308	552788	14.24%	3.624%
23	7.643	2032	2038	2056	rVB2	22887	44759	1.15%	0.293%
24	8.116	2174	2185	2201	rBV	191720	348490	8.97%	2.284%
25	8.875	2394	2421	2432	rBV2	221530	447185	11.52%	2.931%
26	8.984	2446	2455	2469	rVB2	94820	170185	4.38%	1.116%
27	10.238	2828	2845	2861	rVB2	55941	92348	2.38%	0.605%
28	11.270	3155	3166	3181	rBV	238449	363213	9.35%	2.381%
29	11.553	3243	3254	3272	rBV2	43231	74245	1.91%	0.487%
30	11.646	3272	3283	3298	rVB	175152	274824	7.08%	1.802%
31	12.977	3684	3697	3713	rBV2	25585	43232	1.11%	0.283%
32	13.524	3847	3867	3894	rVV	2465891	3882997	100.00%	25.454%
33	13.646	3896	3905	3916	rVB	47592	77228	1.99%	0.506%
34	14.656	4207	4219	4238	rVB	249376	390459	10.06%	2.560%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

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\SOMVTR052620WMA.M
Title : TRACE VOA SOM01.0

35	14.839	4265	4276	4289	rVB	118438	184814	4.76%	1.211%
36	15.389	4432	4447	4458	rBV	103927	161196	4.15%	1.057%
37	15.575	4493	4505	4513	rBV2	36620	60760	1.56%	0.398%
38	15.691	4528	4541	4559	rBV	72413	126560	3.26%	0.830%
39	15.836	4575	4586	4593	rBV	99682	158879	4.09%	1.041%
40	15.874	4593	4598	4612	rVB	55327	81252	2.09%	0.533%
41	16.061	4639	4656	4667	rBV2	37366	83487	2.15%	0.547%
42	16.312	4722	4734	4746	rBV3	40919	70761	1.82%	0.464%
43	16.511	4777	4796	4832	rBV	626177	1120091	28.85%	7.342%
44	16.688	4843	4851	4860	rBV2	23425	38875	1.00%	0.255%
45	16.810	4877	4889	4906	rVB	332019	532133	13.70%	3.488%
46	17.418	5066	5078	5097	rBV	202632	351754	9.06%	2.306%
47	17.537	5104	5115	5125	rBV5	28412	51167	1.32%	0.335%

Sum of corrected areas: 15255207

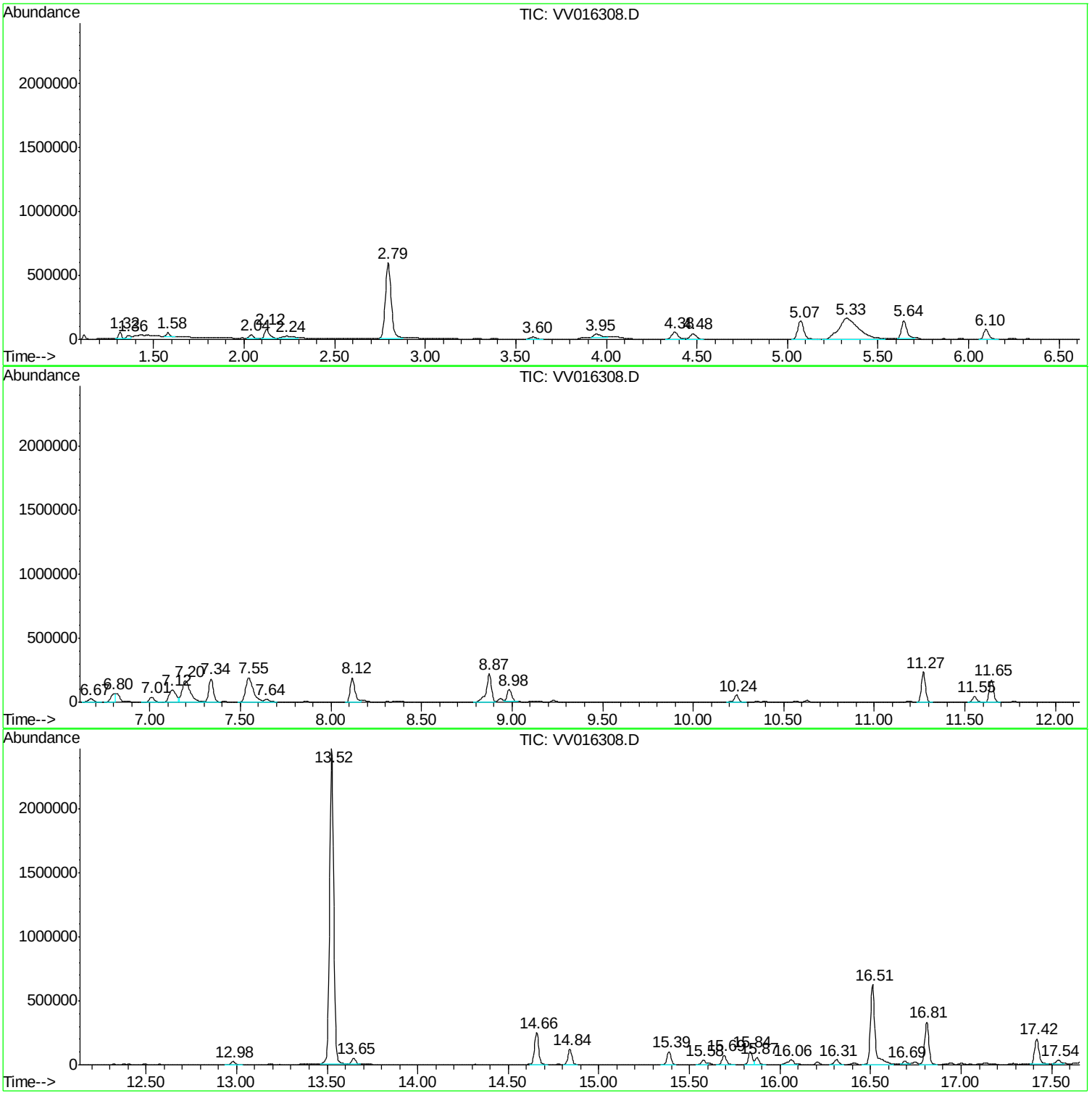
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

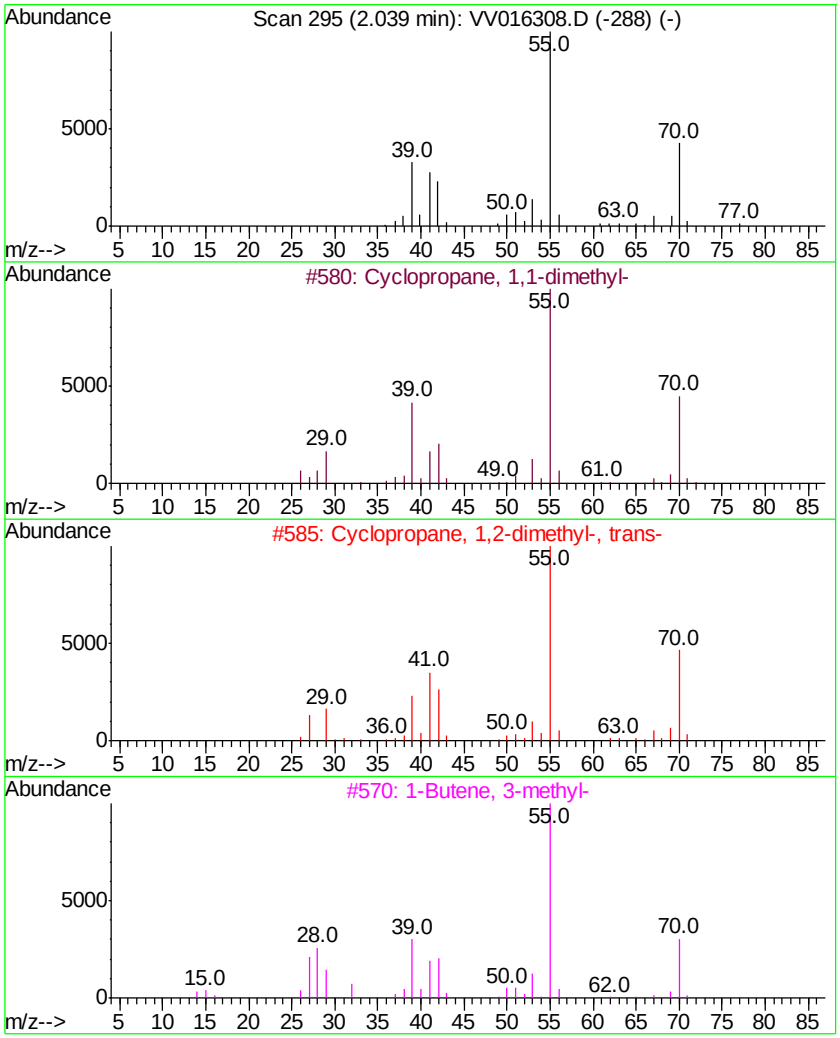
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

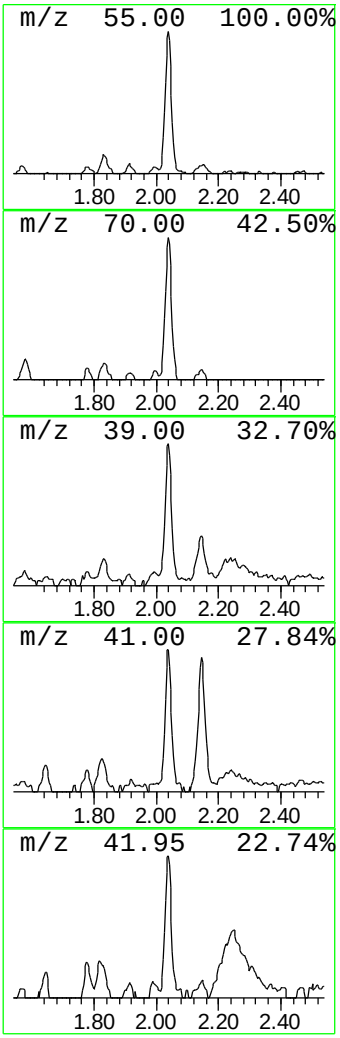
****

Peak Number 1 (DEL) Alkane: Cyclic2.04 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	0.66 ug/L	41406	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	90
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	90
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	87
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

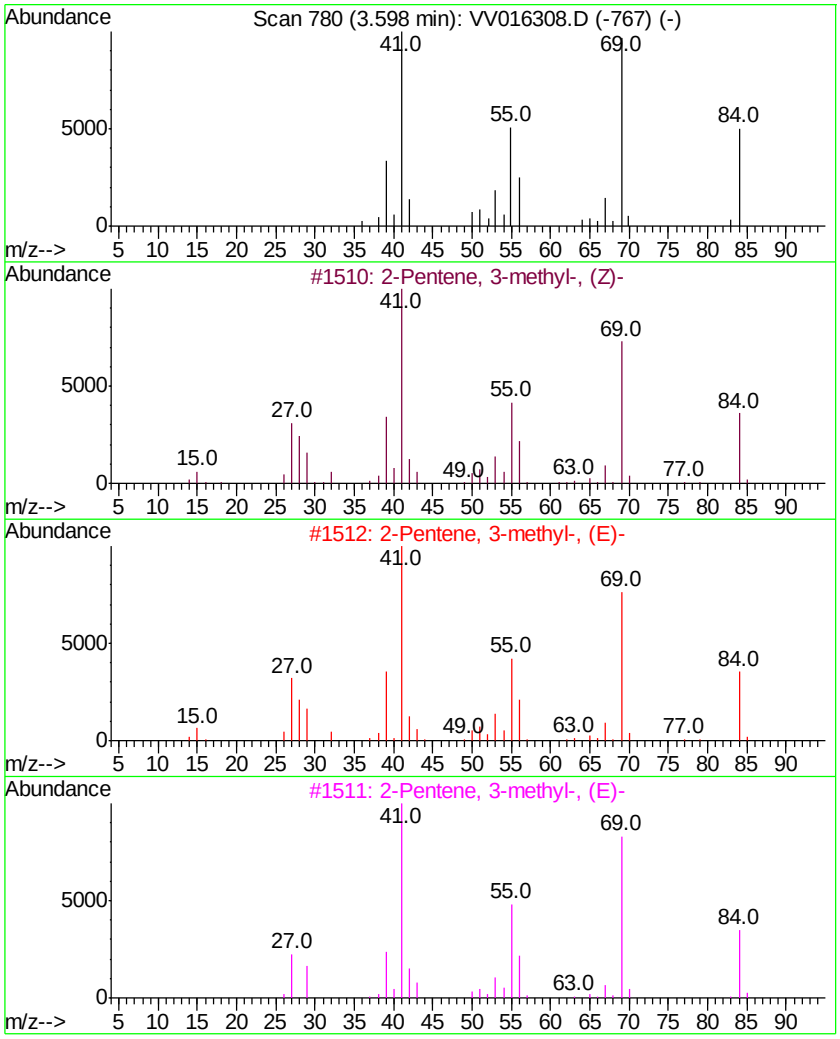
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

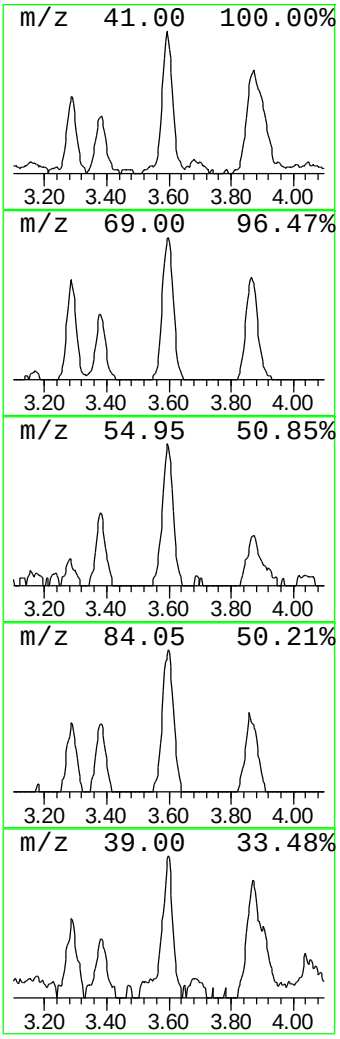
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.71 ug/L	44275	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

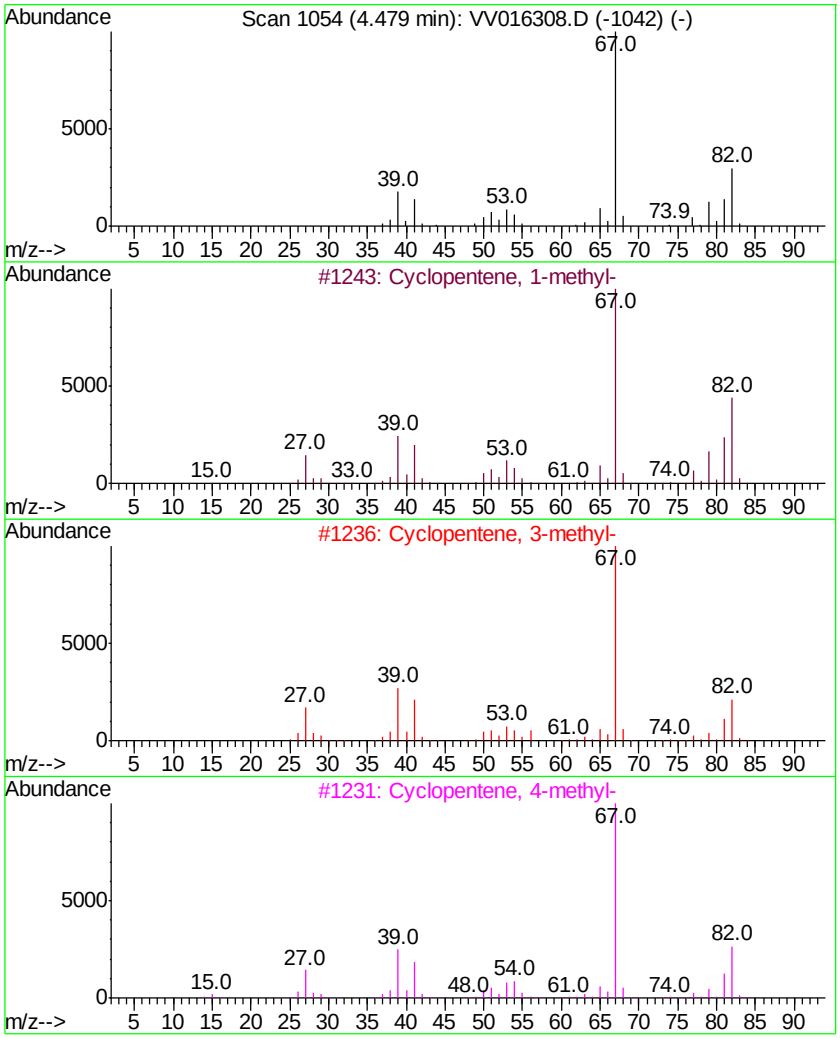
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

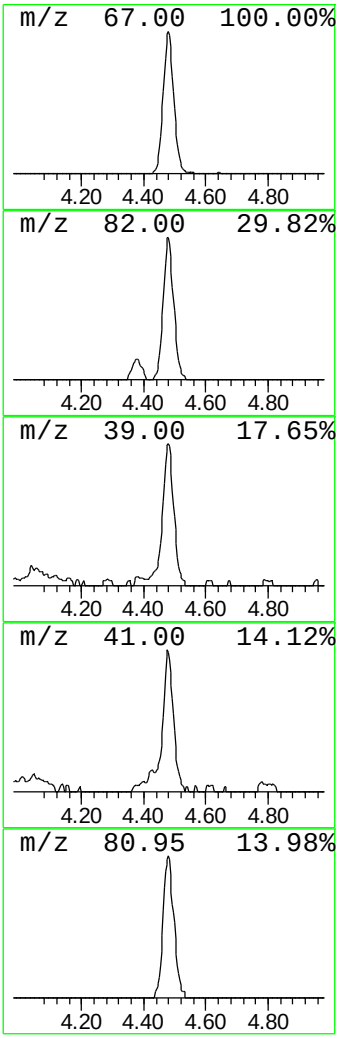
****

Peak Number 3 Cyclopentene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	1.69 ug/L	105220	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
3	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	86
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

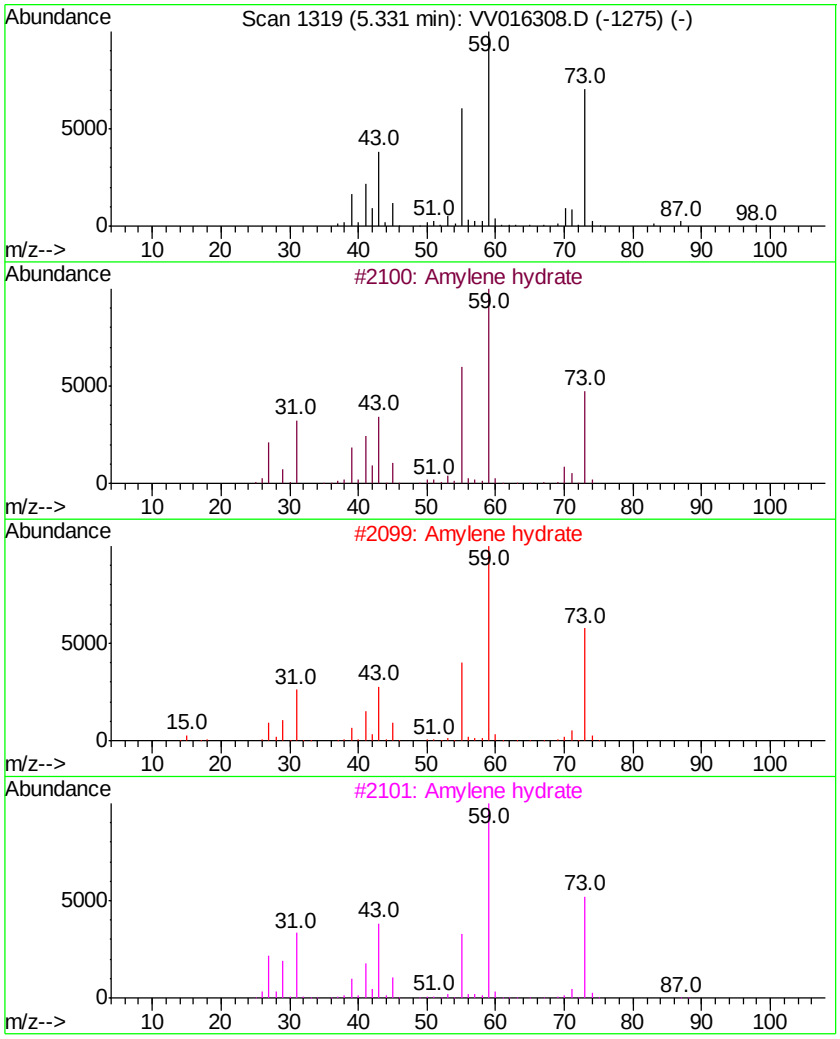
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

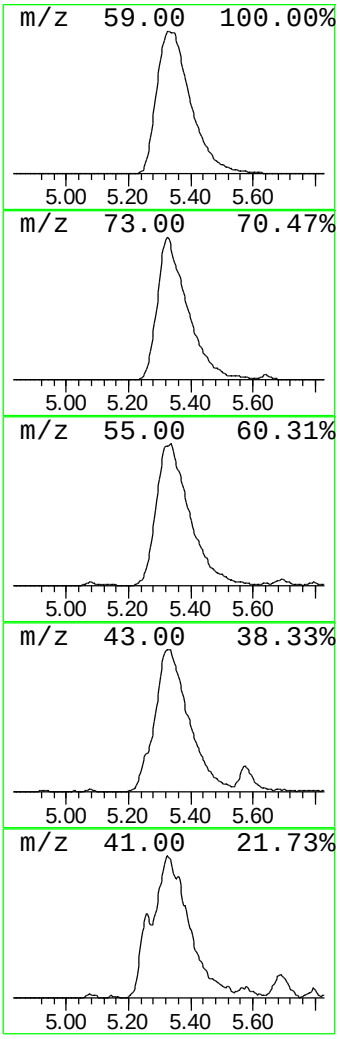
****

Peak Number 4 Amylene hydrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	20.51 ug/L	1278930	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	83
2	Amylene hydrate	88	C5H12O	000075-85-4	72
3	Amylene hydrate	88	C5H12O	000075-85-4	64
4	Butanamide	87	C4H9NO	000541-35-5	59
5	Butanamide	87	C4H9NO	000541-35-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

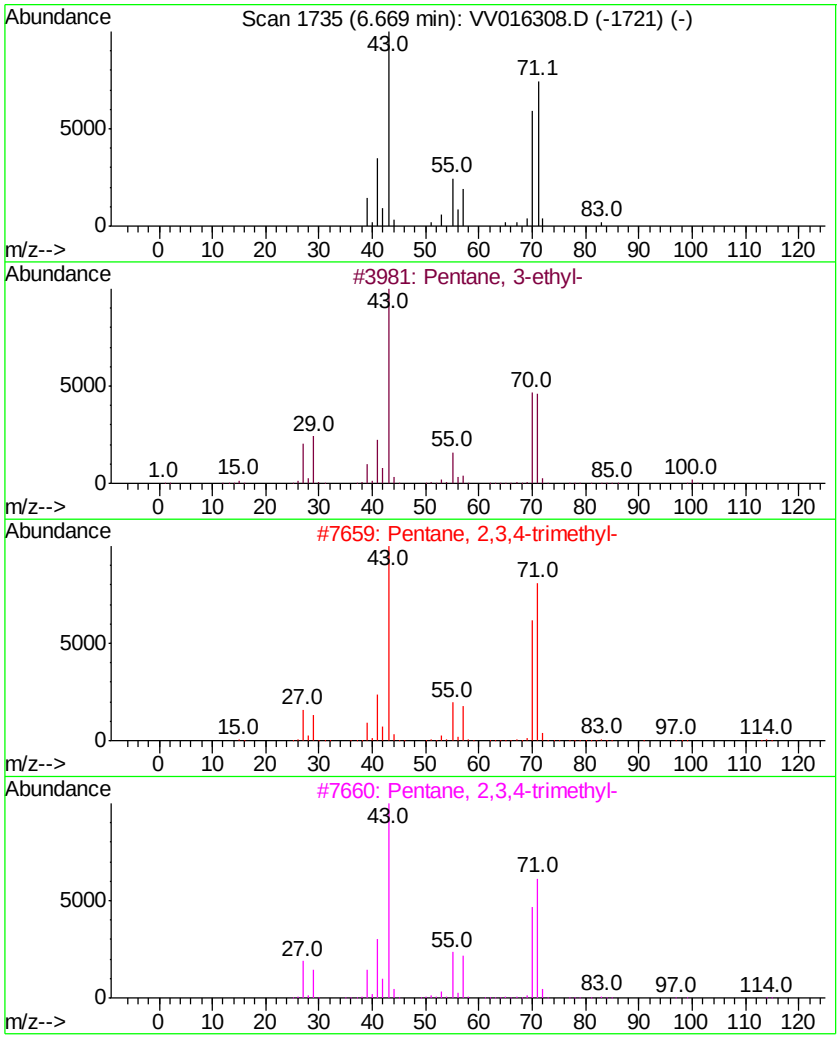
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

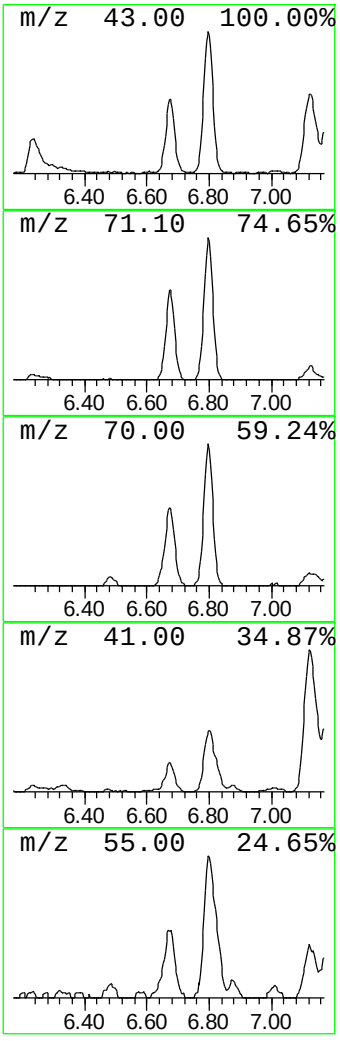
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	0.89 ug/L	55218	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	74
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

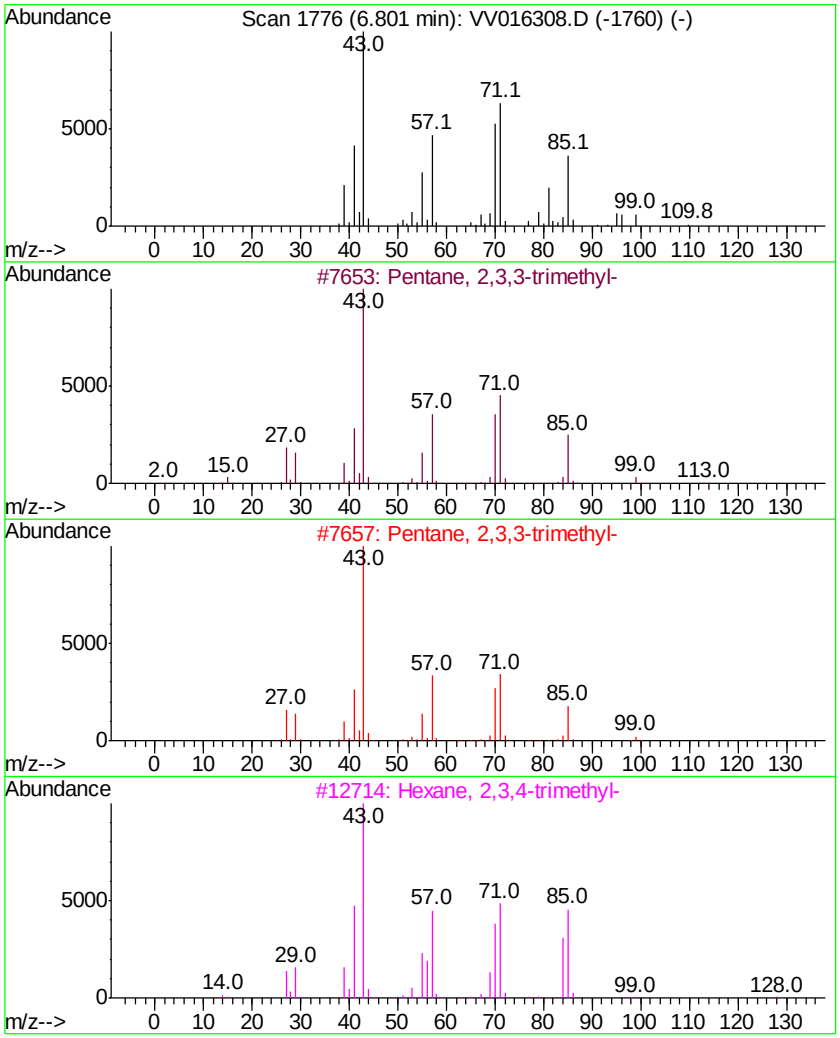
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

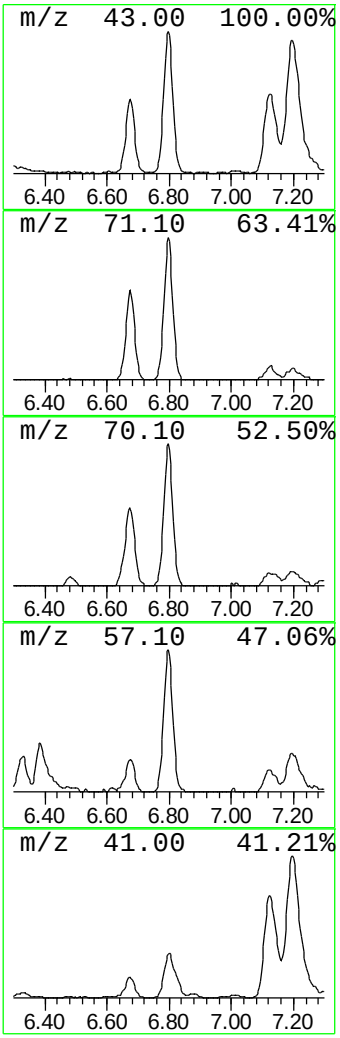
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	1.91 ug/L	119116	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	72
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

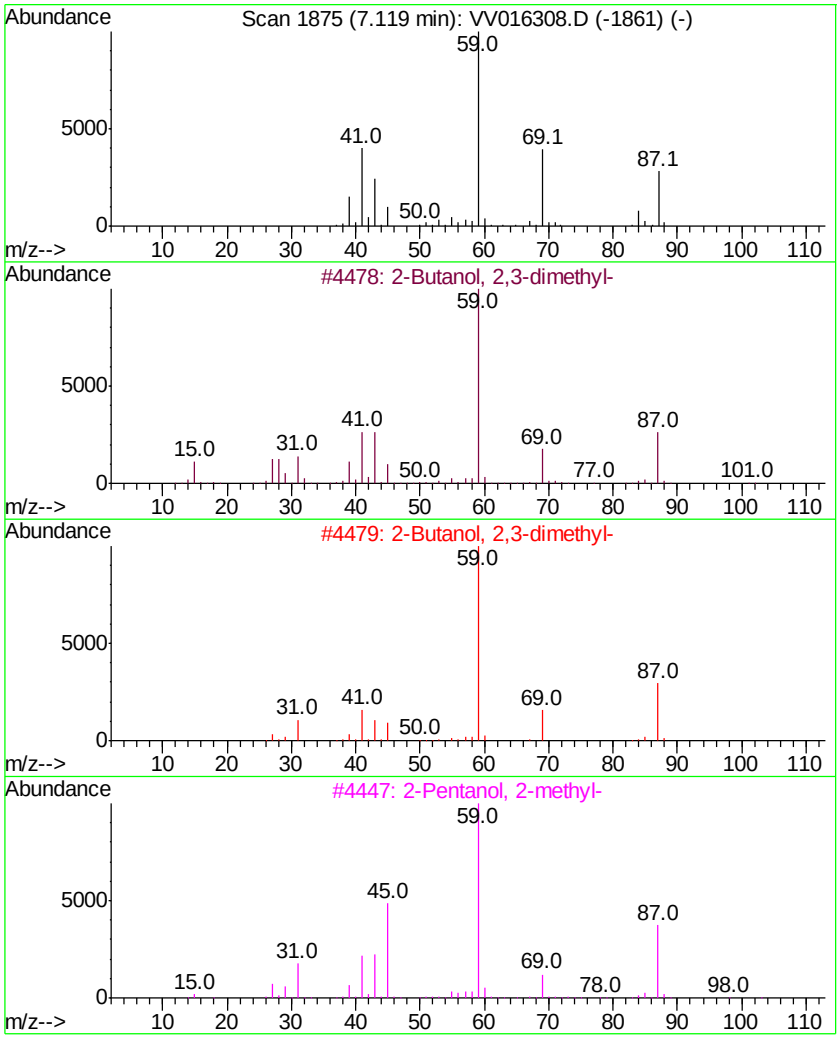
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

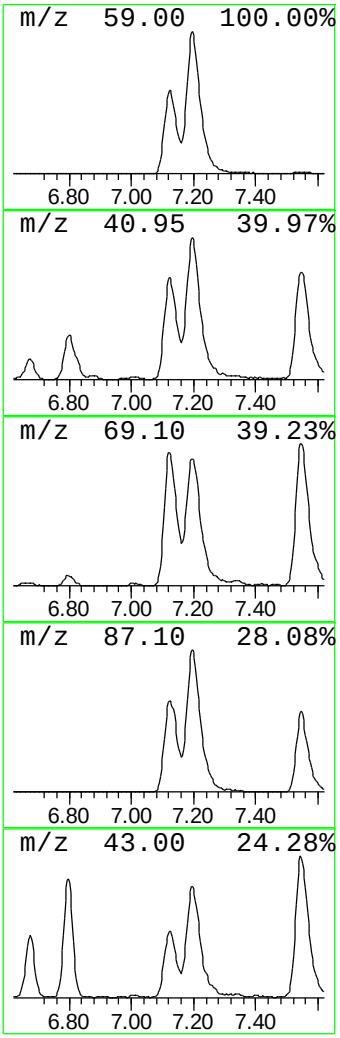
****

Peak Number 8 2-Butanol, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	4.07 ug/L	253552	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	83
2	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	83
3	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	72
4	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	72
5	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

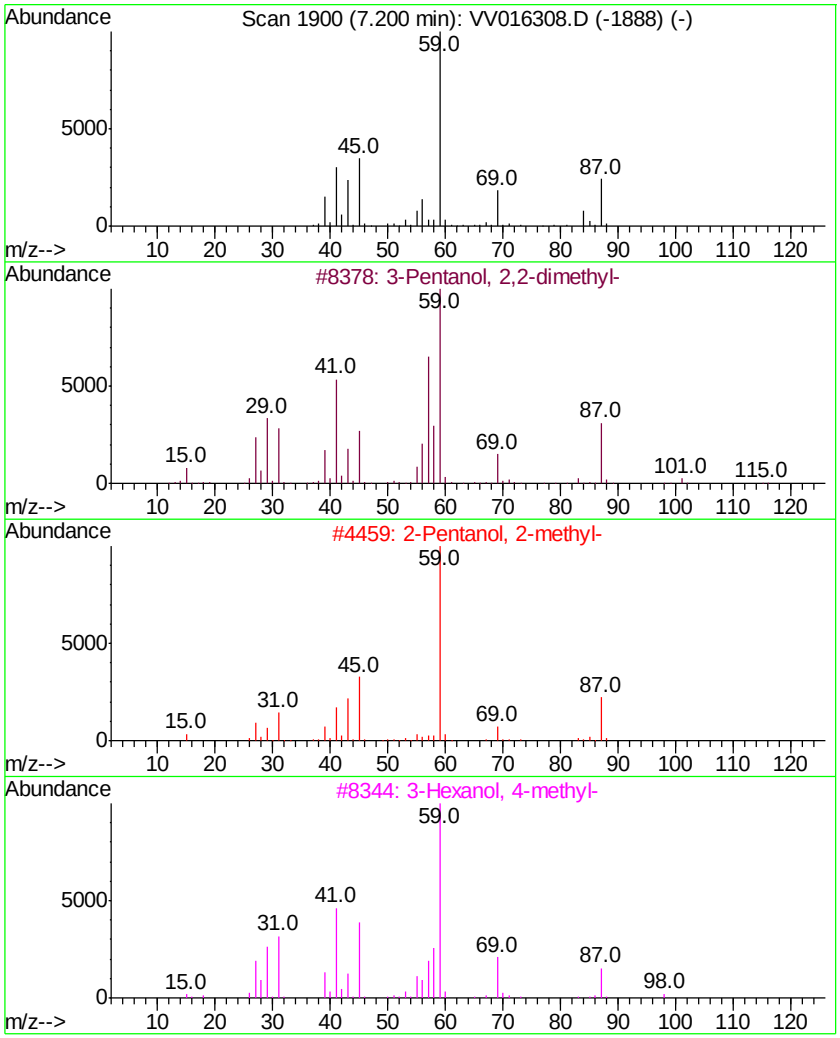
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

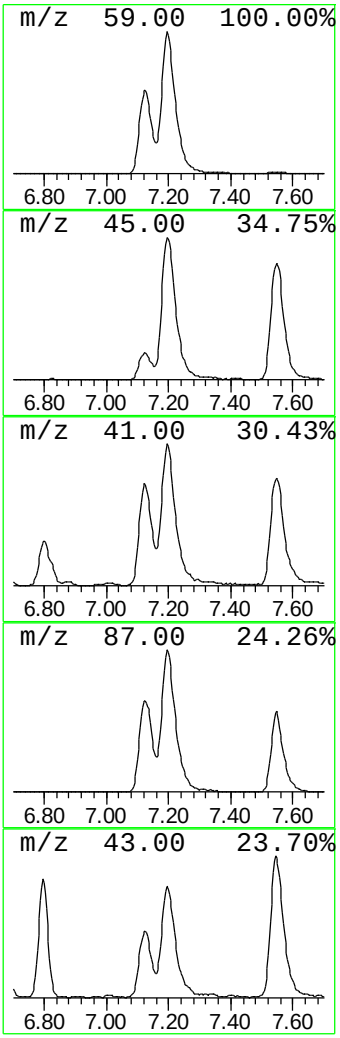
****

Peak Number 9 3-Pentanol, 2,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	8.24 ug/L	513945	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	72
2	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	72
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	72
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	64
5	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

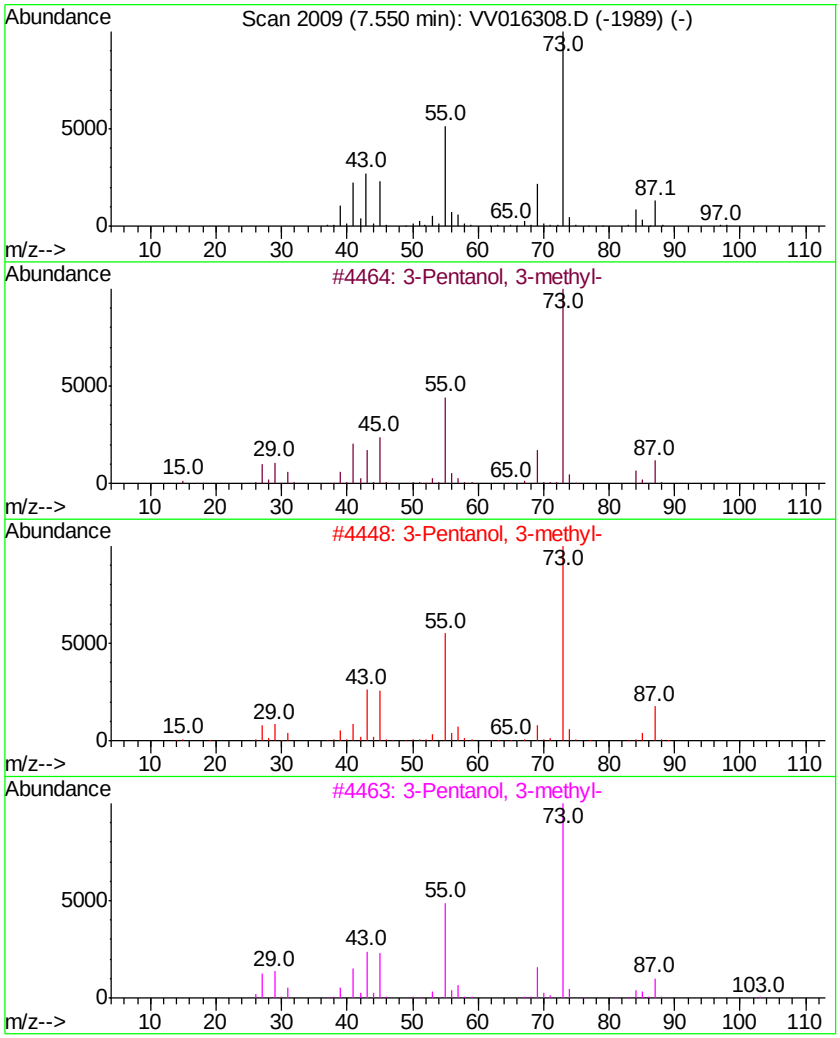
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

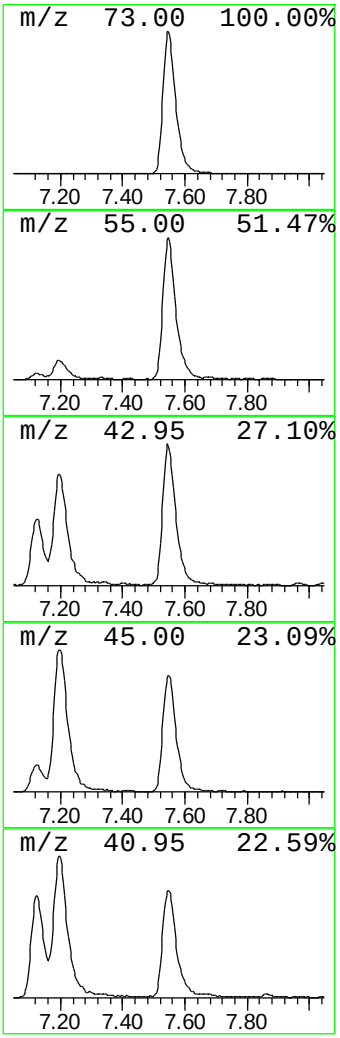
****

Peak Number 10 3-Pentanol, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	6.18 ug/L	552788	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	90
2	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	78
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	74
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	47
5	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	40





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Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

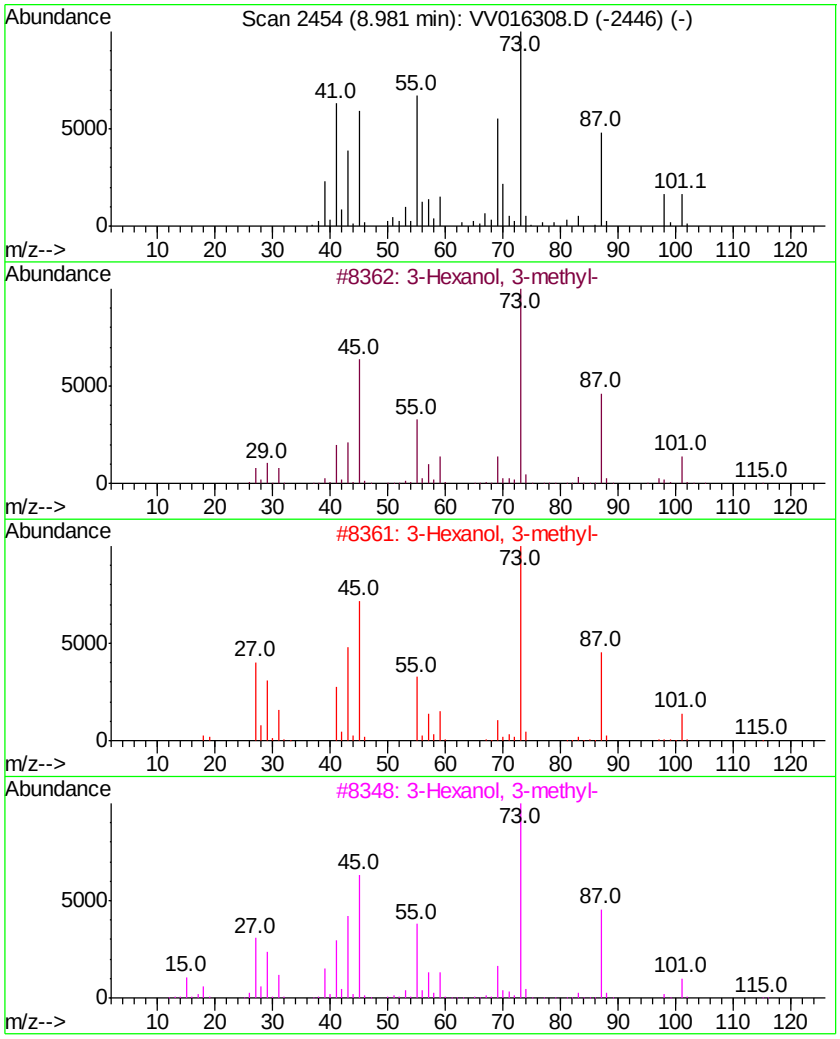
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

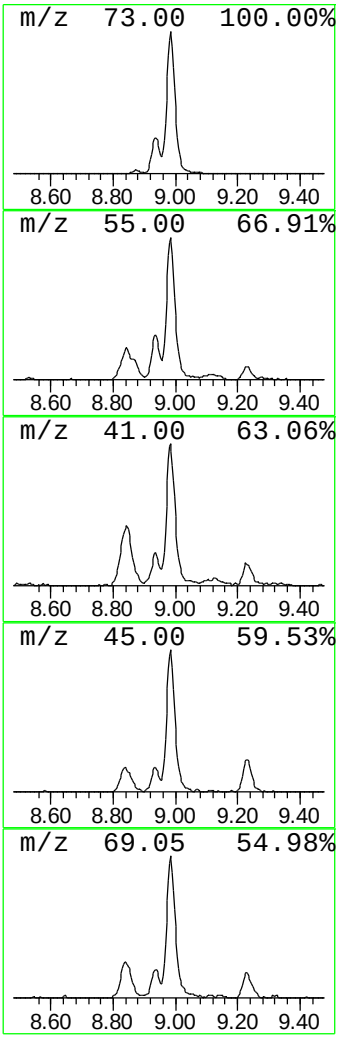
****

Peak Number 11 3-Hexanol, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	1.90 ug/L	170185	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	64
2	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	64
3	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	64
4	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	50
5	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

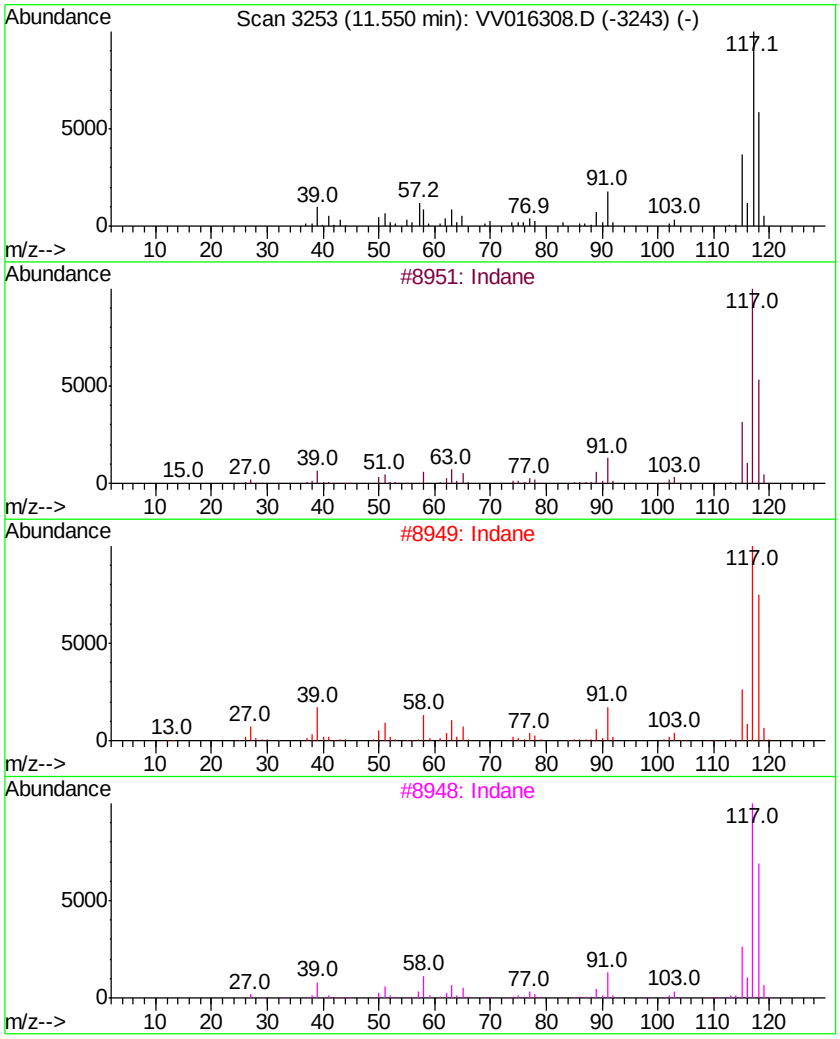
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

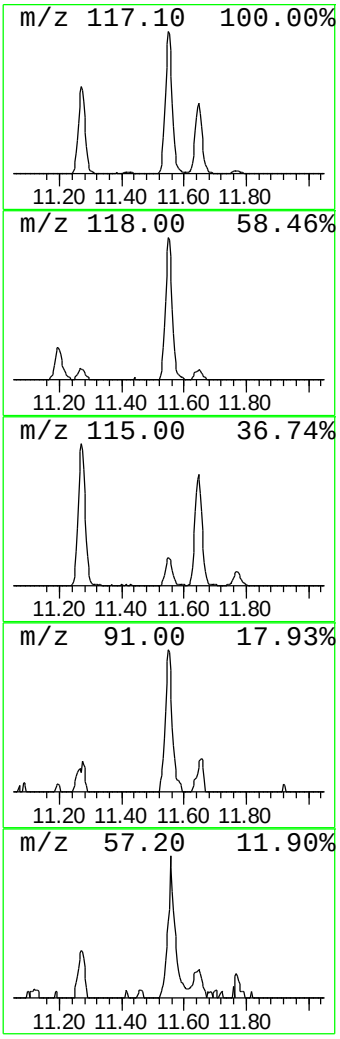
****

Peak Number 12 Indane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	1.02 ug/L	74245	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	81
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	74
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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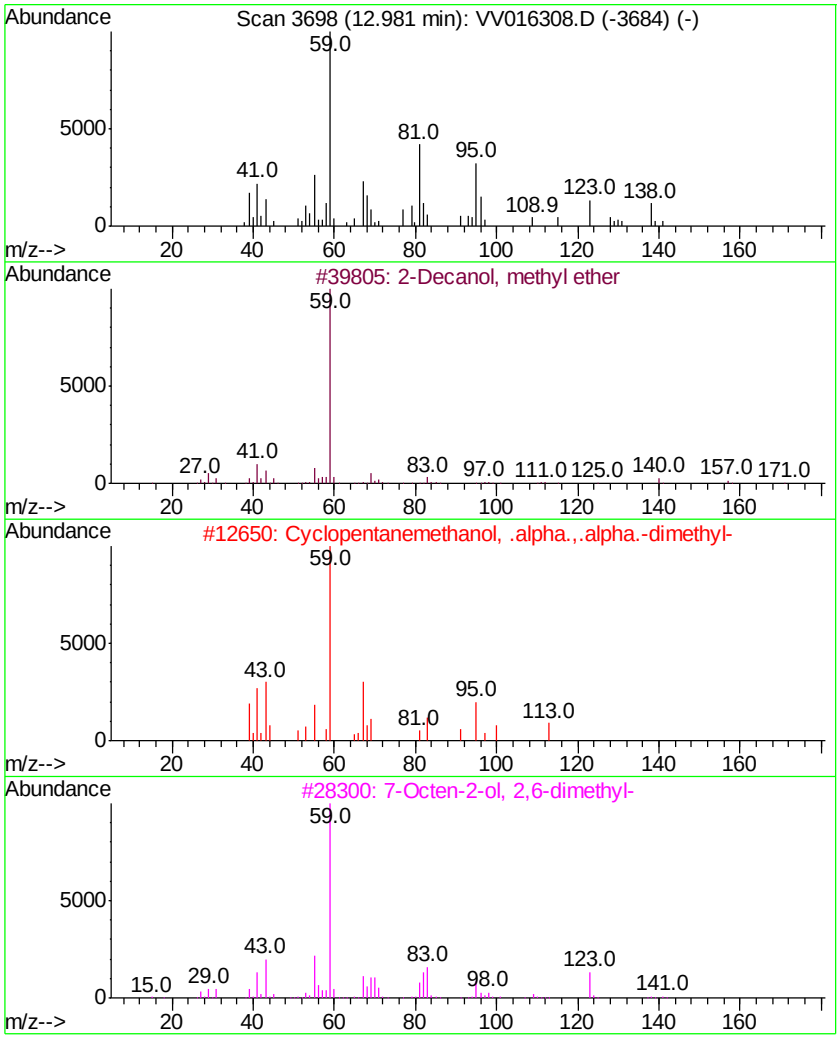
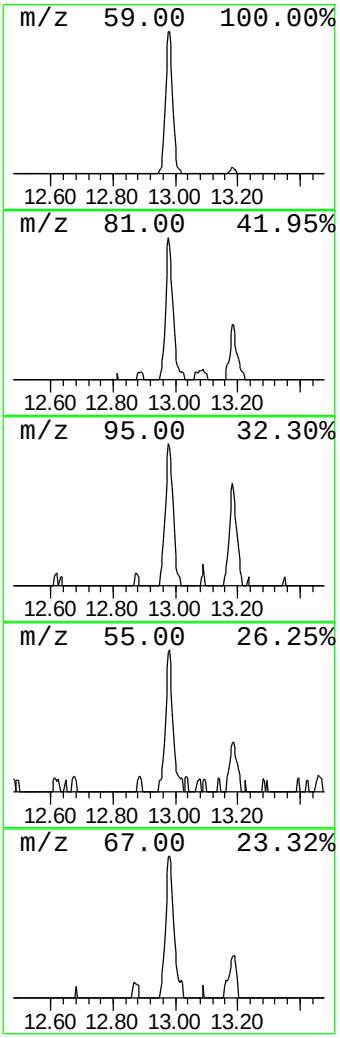
Peak Number 13 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	0.60 ug/L	43232	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decanol, methyl ether	172	C11H24O	1000333-83-9	35
2	Cyclopentanemethanol, .alpha.,.a...	128	C8H16O	001462-06-2	33
3	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	28
4	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	25
5	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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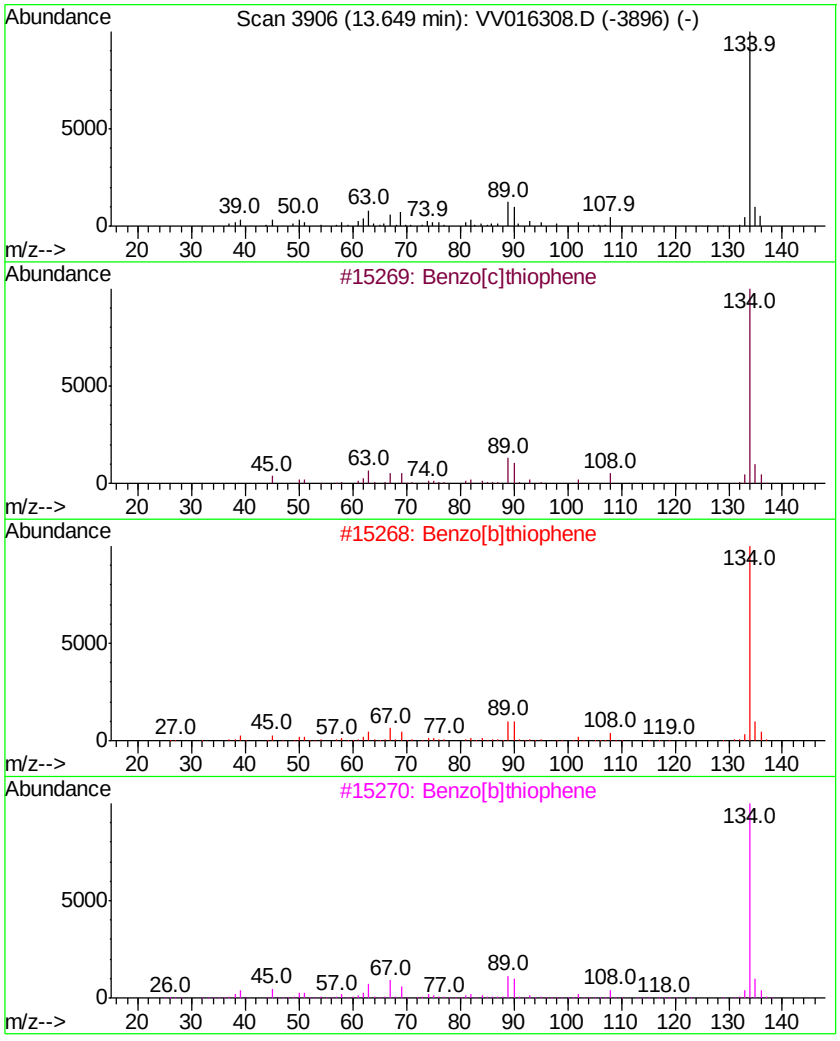
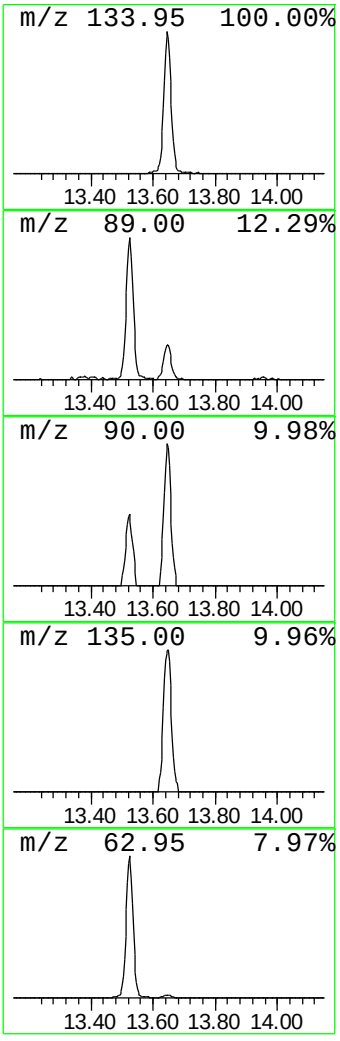
Peak Number 15 Benzo[c]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	1.06 ug/L	77228	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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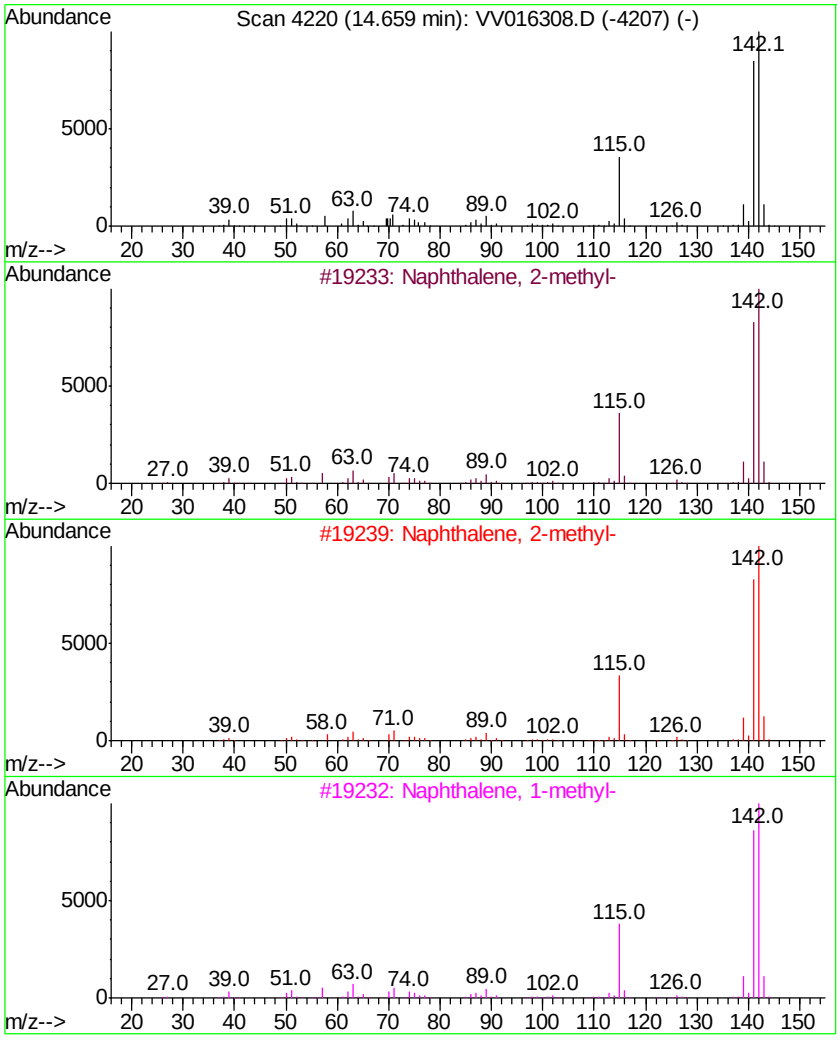
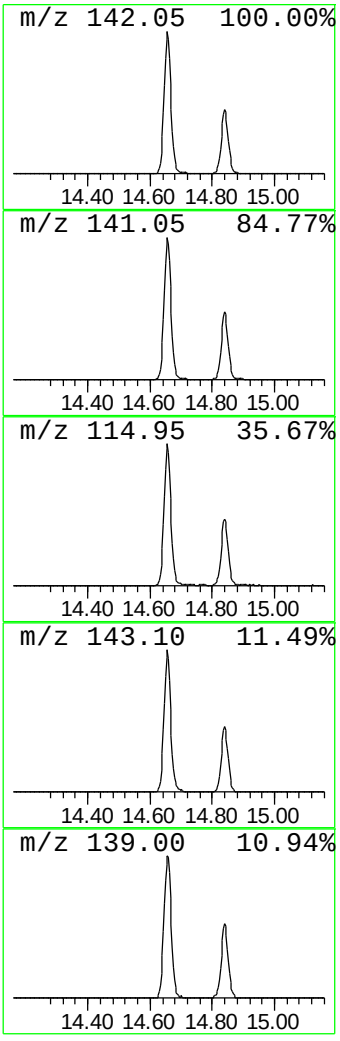
Peak Number 16 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	5.38 ug/L	390459	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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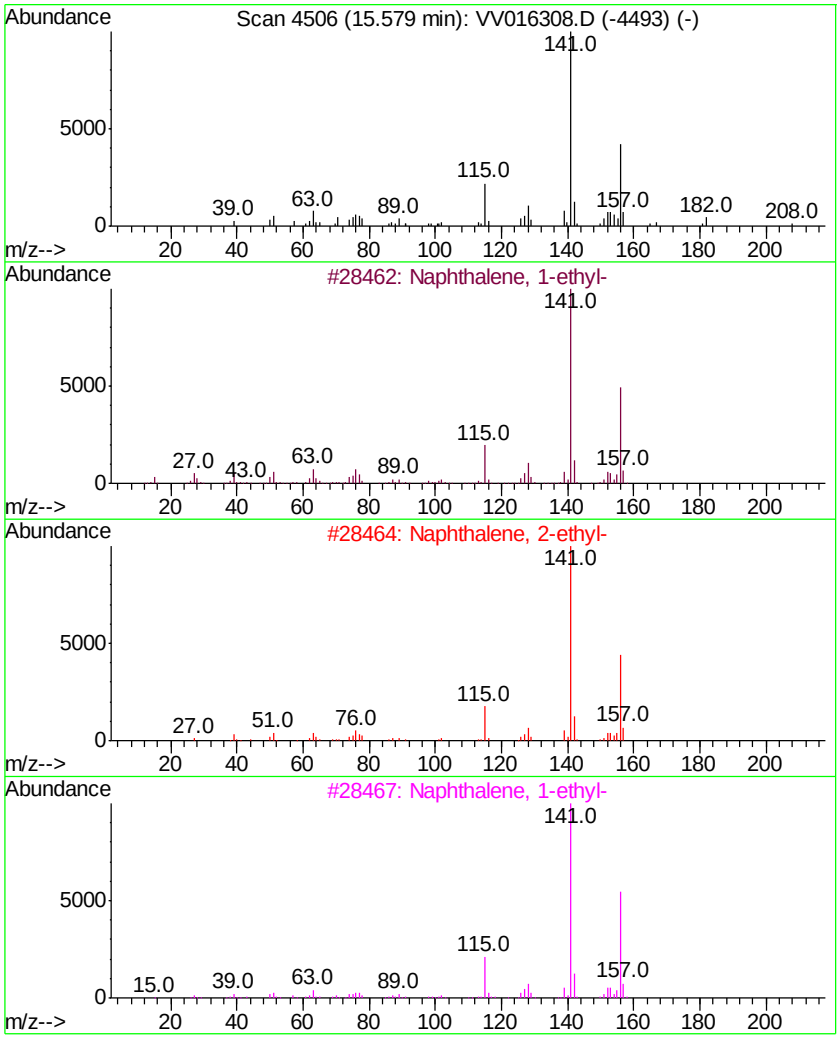
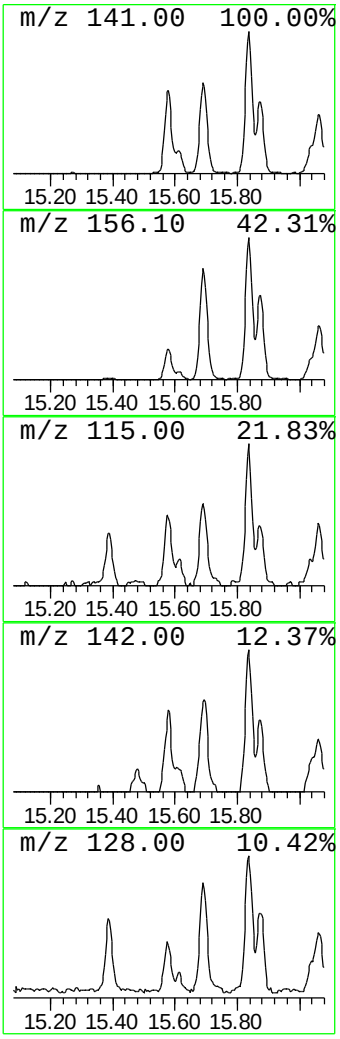
Peak Number 19 Naphthalene, 1-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	0.84 ug/L	60760	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





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Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

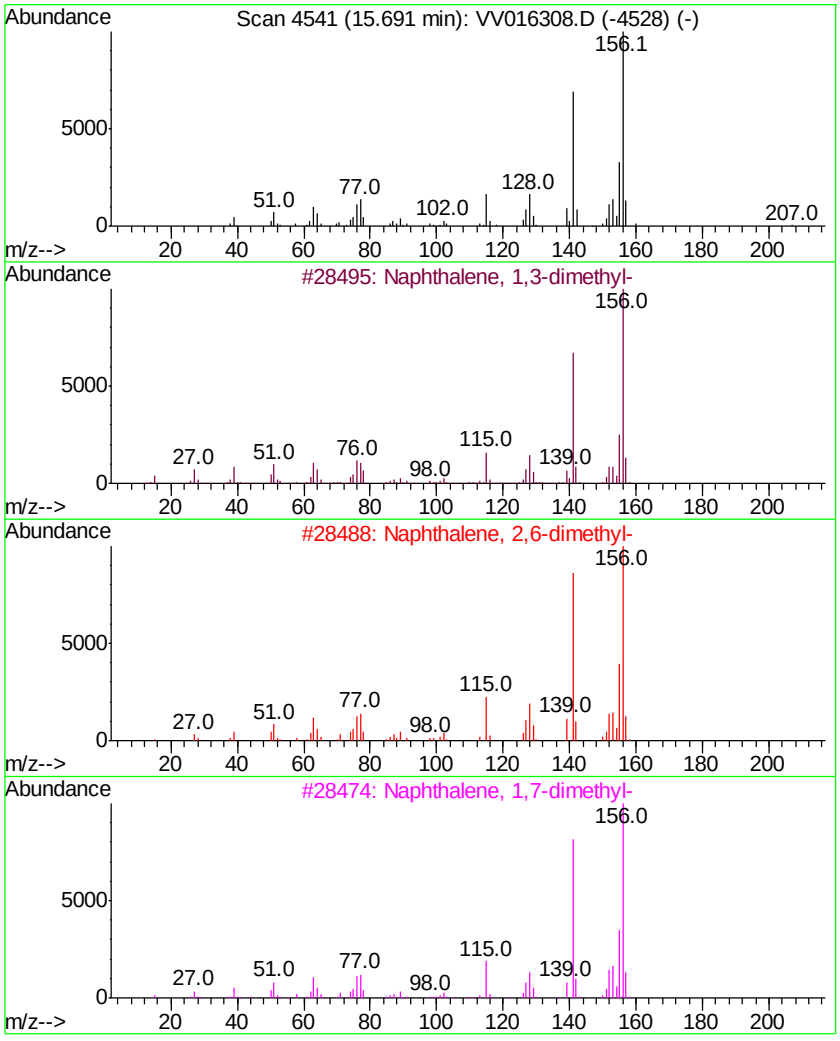
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

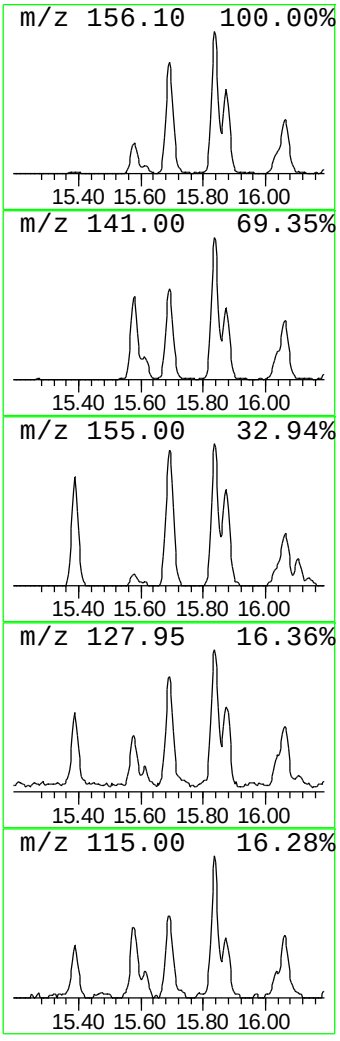
****

Peak Number 20 Naphthalene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	1.74 ug/L	126560	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98





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Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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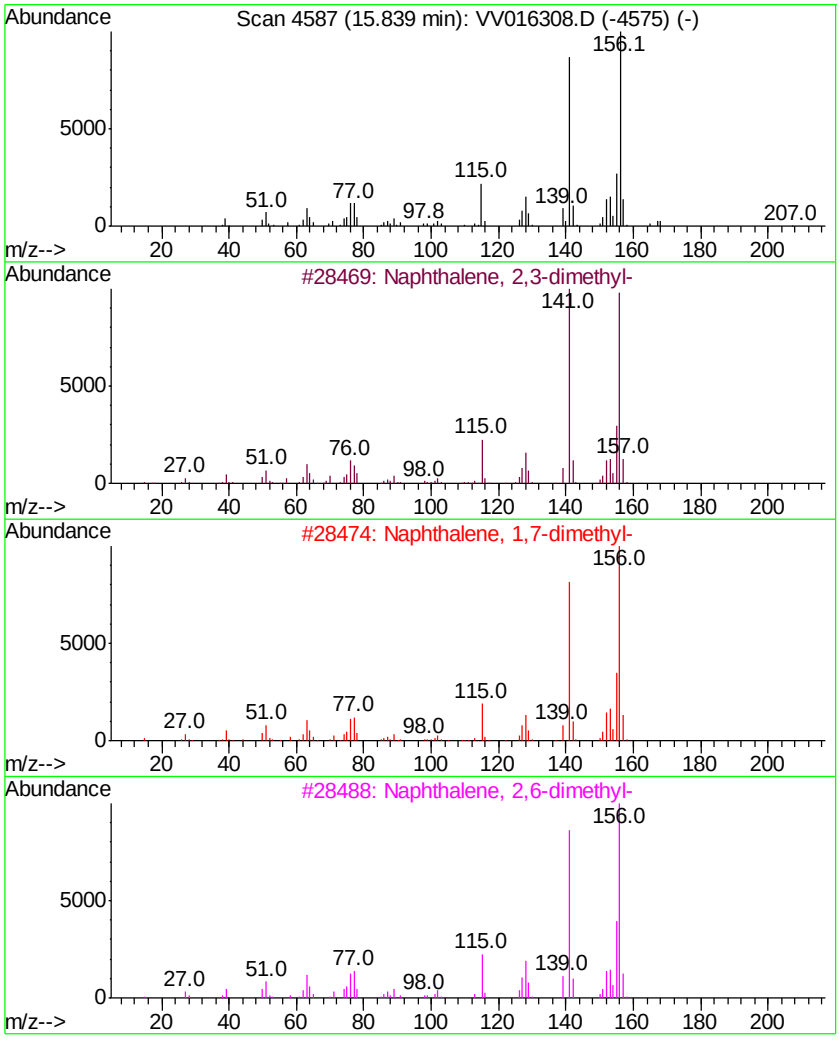
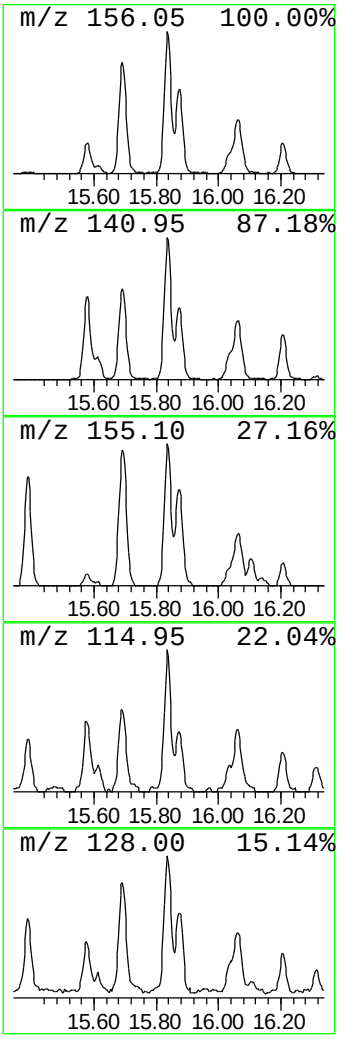
Peak Number 21 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	2.19 ug/L	158879	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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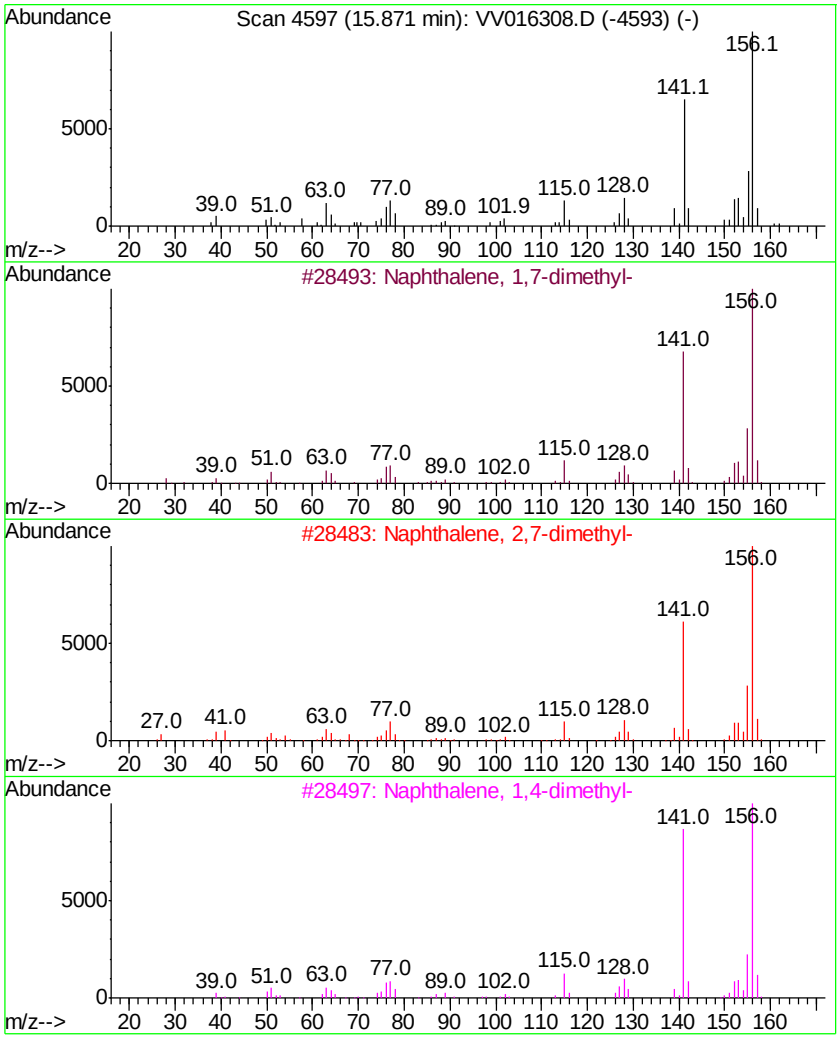
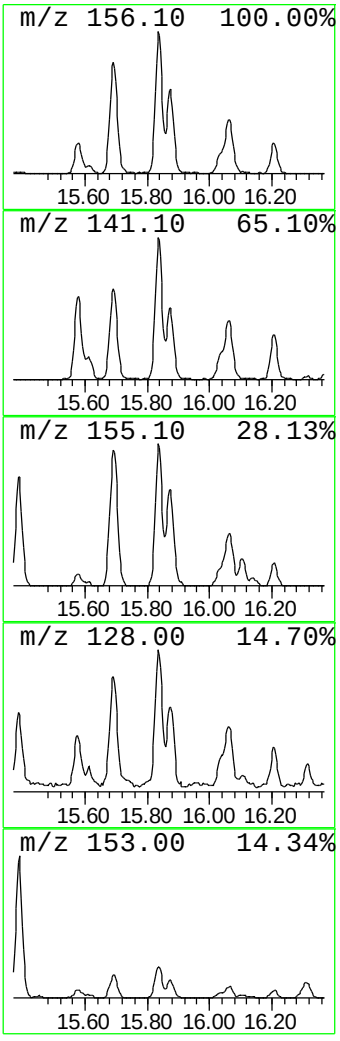
Peak Number 22 Naphthalene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	1.12 ug/L	81252	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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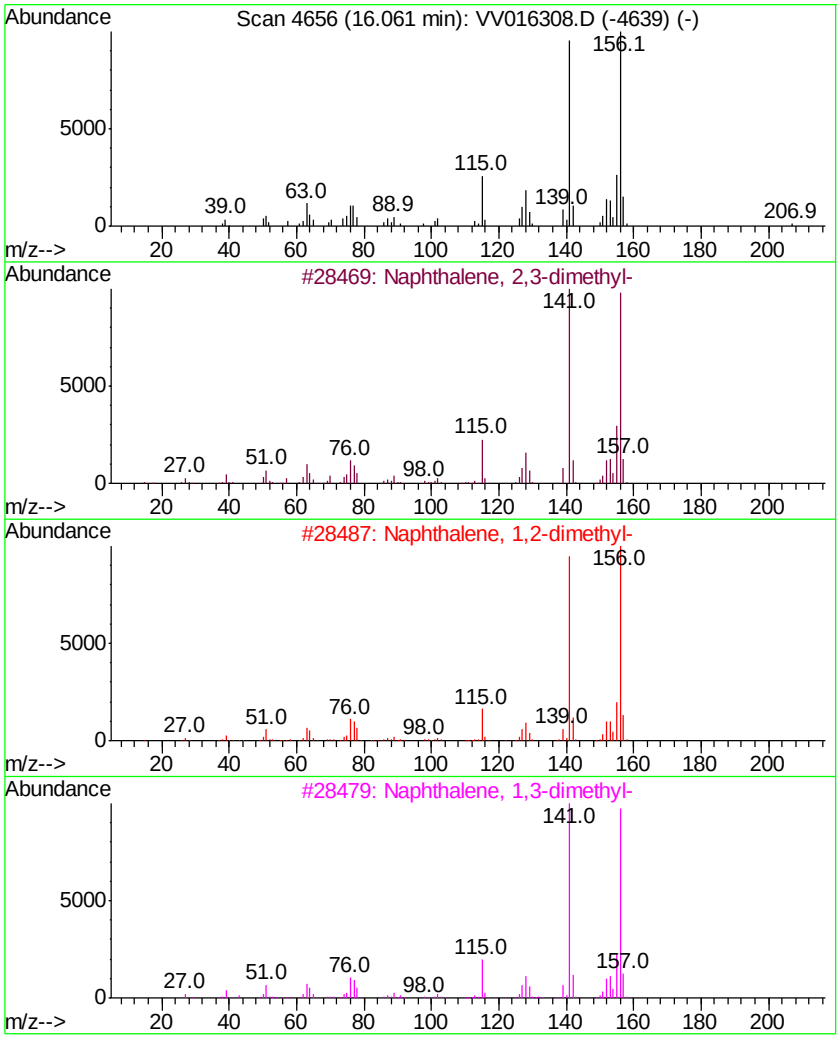
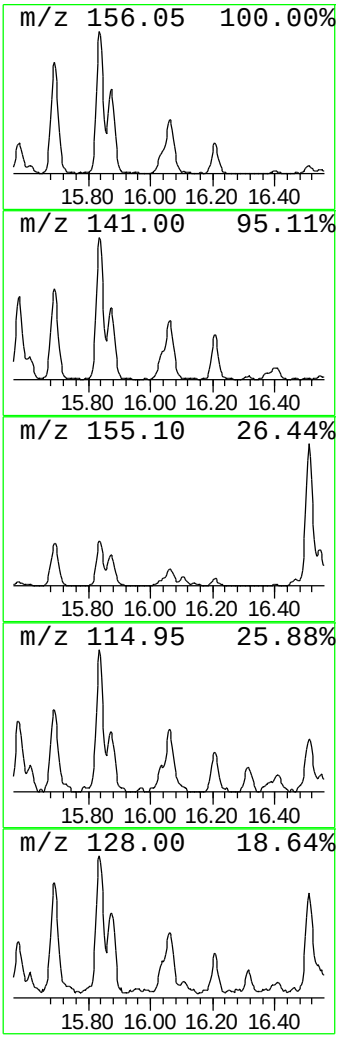
Peak Number 23 Naphthalene, 1,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	1.15 ug/L	83487	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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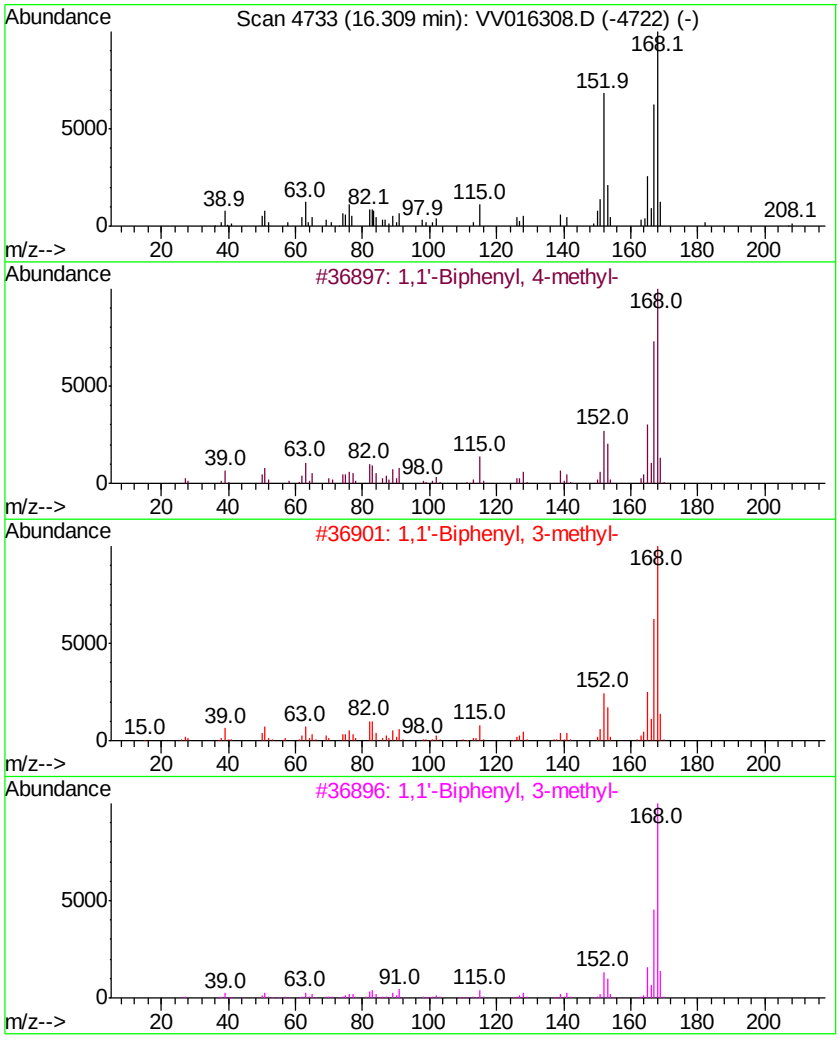
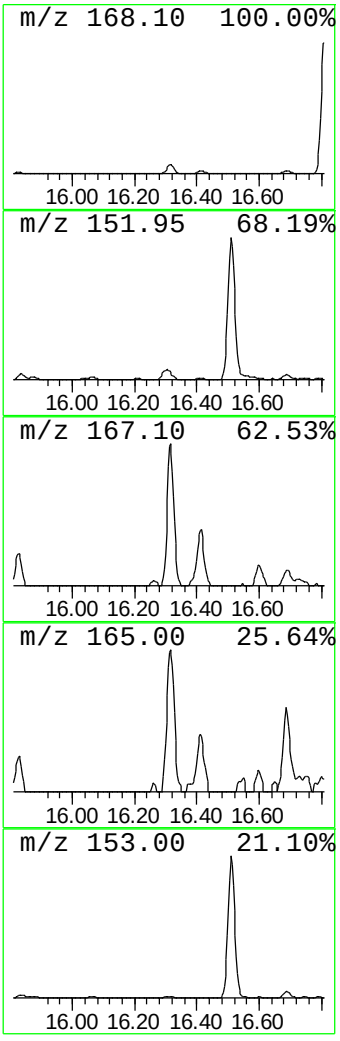
Peak Number 24 1,1'-Biphenyl, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	0.97 ug/L	70761	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	95
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	93
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	70
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	70
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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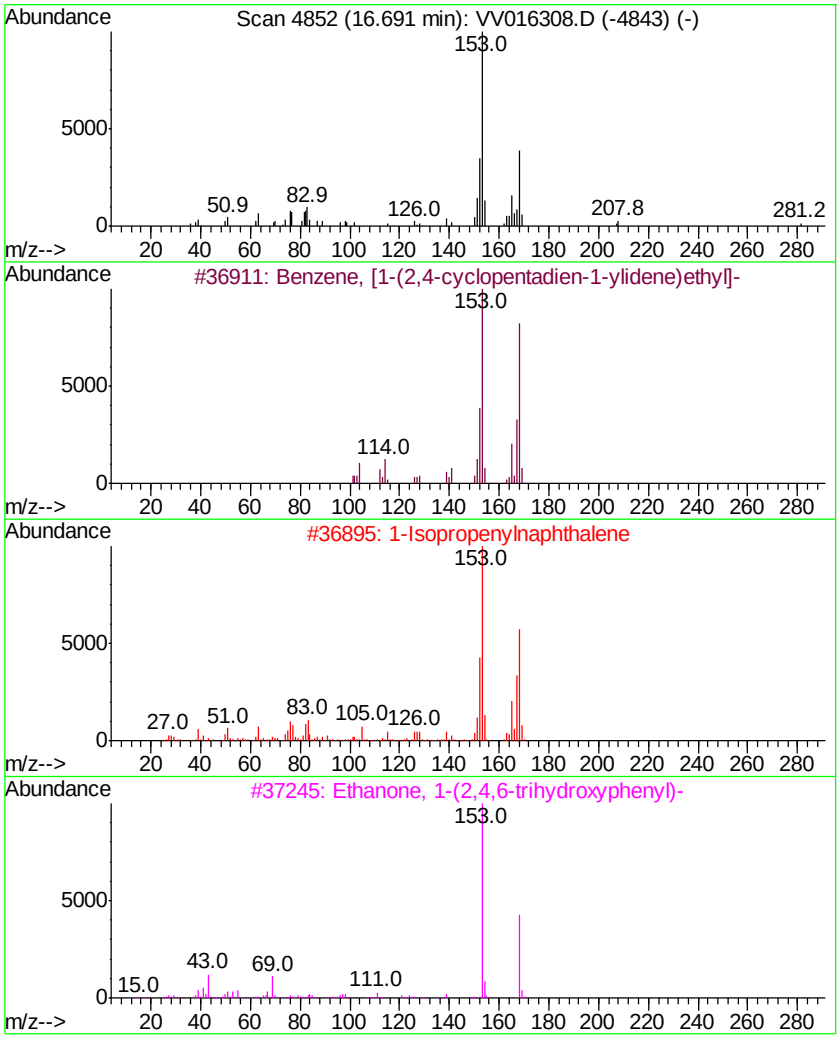
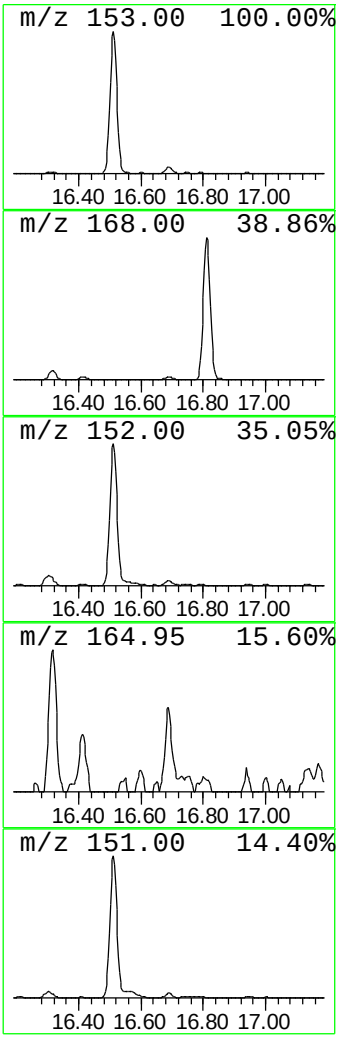
Peak Number 26 Benzene, [1-(2,4-cyclopenta... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	0.54 ug/L	38875	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	62
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	58
4	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	53
5	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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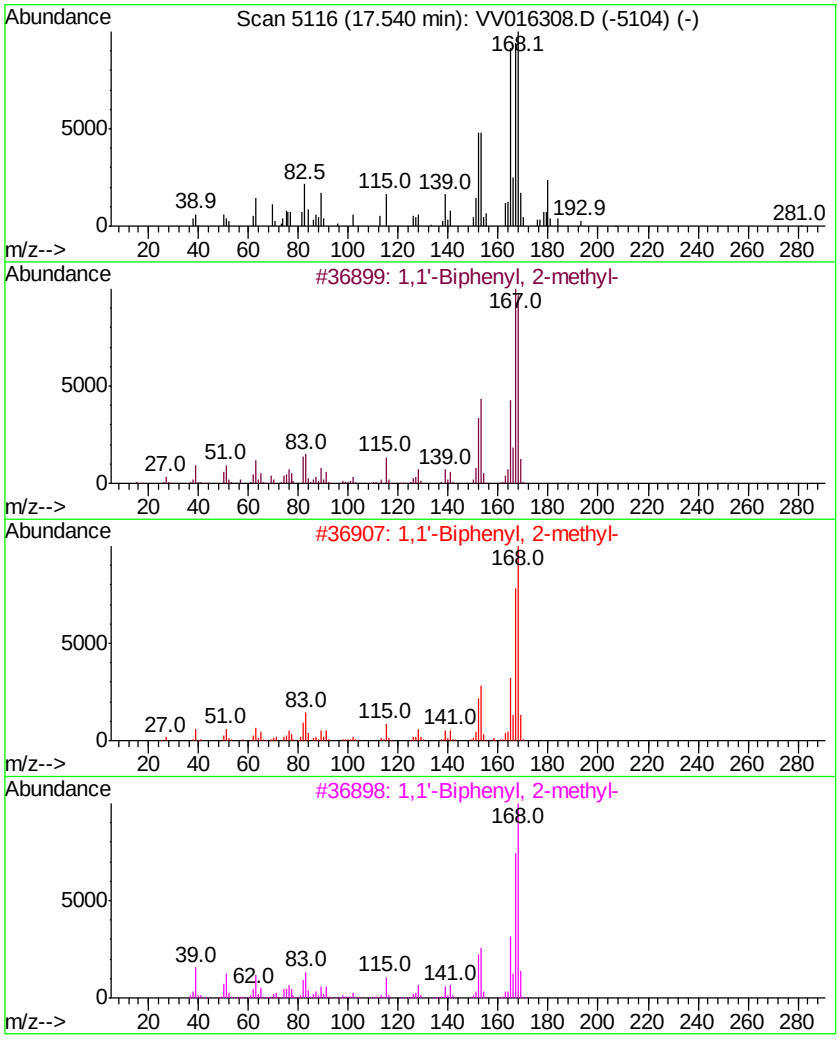
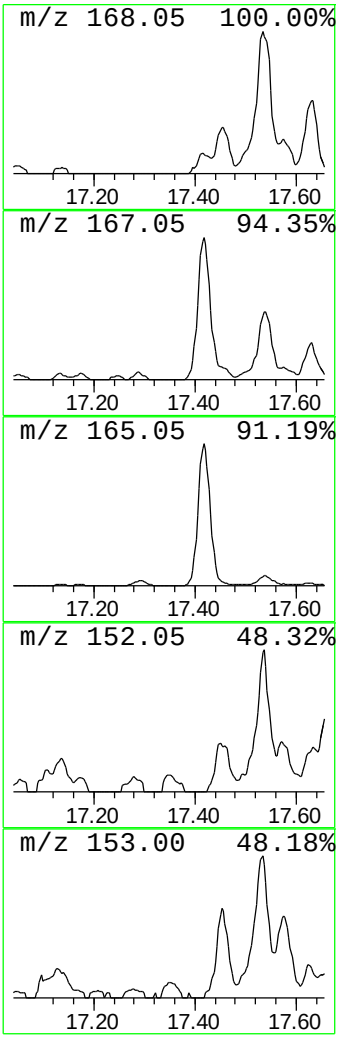
Peak Number 29 1,1'-Biphenyl, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	0.70 ug/L	51167	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	55
5	Diphenylmethane	168	C13H12	000101-81-5	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052820\
Data File : VV016308.D
Acq On : 29 May 2020 04:44
Operator : SY/MD
Sample : L2662-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9B16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.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: Cyc...	2.04	0.7	ug/L	41406	1	5.64	311716	5.0
(DEL) Alkane: Str...	3.60	0.7	ug/L	44275	1	5.64	311716	5.0
Cyclopentene, 1-m...	4.48	1.7	ug/L	105220	1	5.64	311716	5.0
Amylene hydrate	5.33	20.5	ug/L	1278930	1	5.64	311716	5.0
(DEL) Alkane: Str...	6.67	0.9	ug/L	55218	1	5.64	311716	5.0
(DEL) Alkane: Str...	6.80	1.9	ug/L	119116	1	5.64	311716	5.0
2-Butanol, 2,3-di...	7.12	4.1	ug/L	253552	1	5.64	311716	5.0
3-Pentanol, 2,2-d...	7.20	8.2	ug/L	513945	1	5.64	311716	5.0
3-Pentanol, 3-met...	7.55	6.2	ug/L	552788	2	8.87	447185	5.0
3-Hexanol, 3-methyl-	8.98	1.9	ug/L	170185	2	8.87	447185	5.0
Indane	11.55	1.0	ug/L	74245	3	11.27	363213	5.0
unknown-01	12.98	0.6	ug/L	43232	3	11.27	363213	5.0
Benzo[c]thiophene	13.65	1.1	ug/L	77228	3	11.27	363213	5.0
Naphthalene, 1-me...	14.66	5.4	ug/L	390459	3	11.27	363213	5.0
Naphthalene, 1-et...	15.58	0.8	ug/L	60760	3	11.27	363213	5.0
Naphthalene, 1,3-...	15.69	1.7	ug/L	126560	3	11.27	363213	5.0
Naphthalene, 2,3-...	15.84	2.2	ug/L	158879	3	11.27	363213	5.0
Naphthalene, 1,7-...	15.87	1.1	ug/L	81252	3	11.27	363213	5.0
Naphthalene, 1,6-...	16.06	1.1	ug/L	83487	3	11.27	363213	5.0
1,1'-Biphenyl, 4-...	16.31	1.0	ug/L	70761	3	11.27	363213	5.0
Benzene, [1-(2,4-...	16.69	0.5	ug/L	38875	3	11.27	363213	5.0
1,1'-Biphenyl, 2-...	17.54	0.7	ug/L	51167	3	11.27	363213	5.0