LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.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	1.783	13	17	38	rVB2	2398579	9561196	100.00%	13.852%
2	1.989	46	51	64	rVB3	143818	405108	4.24%	0.587%
3	2.123	65	73	83	rBV2	1928464	5494447	57.47%	7.960%
4	2.336	102	108	130	rVB	554009	1589853	16.63%	2.303%
5	2.616	141	154	165	rBV4	365321	1329154	13.90%	1.926%
6	2.725	165	172	176	rBV2	165385	406685	4.25%	0.589%
7	2.969	204	212	221	rBV	1166966	3126306	32.70%	4.529%
8	3.066	221	228	246	rVB4	890480	3037632	31.77%	4.401%
9	3.224	246	254	264	rVB	185563	436804	4.57%	0.633%
10	3.370	269	278	287	rBV2	399238	1035832	10.83%	1.501%
11	3.462	287	293	296	rBV3	73266	157782	1.65%	0.229%
12	3.608	308	317	331	rBV	308610	1003407	10.49%	1.454%
13	4.052	381	390	403	rVB	64984	199940	2.09%	0.290%
14	4.277	411	427	444	rBV4	350374	1549459	16.21%	2.245%
15	4.441	446	454	461	rBV4	82676	313448	3.28%	0.454%
16	4.891	509	528	551	rBV2	1887457	6960900	72.80%	10.085%
17	5.244	570	586	602	rBV4	482579	1972304	20.63%	2.857%
18	5.408	605	613	626	rVB2	93959	293533	3.07%	0.425%
19	5.585	631	642	650	rBV2	109378	340940	3.57%	0.494%
20	5.688	650	659	669	rVV3	139249	426417	4.46%	0.618%
21	6.047	703	718	736	rVV5	145188	597069	6.24%	0.865%
22	6.211	736	745	757	rVB6	35988	113275	1.18%	0.164%
23	6.595	798	808	813	rBV2	107838	318179	3.33%	0.461%
24	6.674	813	821	833	rVB	952471	2639010	27.60%	3.823%
25	7.081	876	888	896	rBV8	50594	180720	1.89%	0.262%
26	7.203	896	908	915	rBV	382616	1146233	11.99%	1.661%
27	7.398	932	940	949	rVB6	69311	244822	2.56%	0.355%
28	7.580	961	970	987	rVB3	120378	430488	4.50%	0.624%
29	7.738	990	996	1005	rVB3	55281	127496	1.33%	0.185%
30	7.854	1005	1015	1021	rBV	786890	1947704	20.37%	2.822%
31	8.134	1052	1061	1066	rBV3	124238	304609	3.19%	0.441%
32	8.195	1066	1071	1083	rVB2	186933	451131	4.72%	0.654%
33	8.462	1105	1115	1122	rBV	998376	1945993	20.35%	2.819%
34	8.718	1147	1157	1167	rBV4	161966	365887	3.83%	0.530%

LSC Area Percent Report

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Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Title : TRACE VOA SOM01.0

35	8.900	1180	1187	1200	rBV	483430	1019692	10.66%	1.477%
36	9.393	1263	1268	1275	rVB5	64284	129564	1.36%	0.188%
37	9.545	1282	1293	1298	rBV7	49002	113394	1.19%	0.164%
38	9.685	1310	1316	1326	rBV	231637	426344	4.46%	0.618%
39	9.868	1336	1346	1354	rBV	621777	1024394	10.71%	1.484%
40	9.971	1356	1363	1368	rBV	1260332	2037986	21.32%	2.953%
41	10.032	1368	1373	1382	rVB	436570	770530	8.06%	1.116%
42	10.239	1401	1407	1412	rBV	145497	247679	2.59%	0.359%
43	10.592	1459	1465	1474	rBV	528381	851295	8.90%	1.233%
44	10.908	1510	1517	1524	rBV	382223	603609	6.31%	0.874%
45	11.291	1570	1580	1591	rBV	1185624	1828150	19.12%	2.649%
46	11.395	1591	1597	1604	rBV	834394	1190839	12.45%	1.725%
47	11.504	1607	1615	1622	rBV	511059	887748	9.28%	1.286%
48	11.833	1663	1669	1678	rVB	1053475	1555934	16.27%	2.254%
49	12.131	1713	1718	1722	rBV	78802	114318	1.20%	0.166%
50	12.362	1751	1756	1761	rBV	186759	277711	2.90%	0.402%
51	12.776	1818	1824	1831	rBV3	117451	239317	2.50%	0.347%
52	12.922	1841	1848	1854	rBV	442814	595903	6.23%	0.863%
53	13.226	1892	1898	1902	rBV	918982	1444247	15.11%	2.092%
54	13.420	1921	1930	1940	rBV	937209	1445139	15.11%	2.094%
55	13.518	1940	1946	1954	rVB	705702	1069763	11.19%	1.550%
56	13.603	1954	1960	1963	rBV	113826	164836	1.72%	0.239%
57	13.645	1963	1967	1971	rVB	92395	130654	1.37%	0.189%
58	13.864	1998	2003	2009	rVB2	161160	247265	2.59%	0.358%
59	14.479	2096	2104	2110	rBV2	86323	154456	1.62%	0.224%

Sum of corrected areas: 69024530

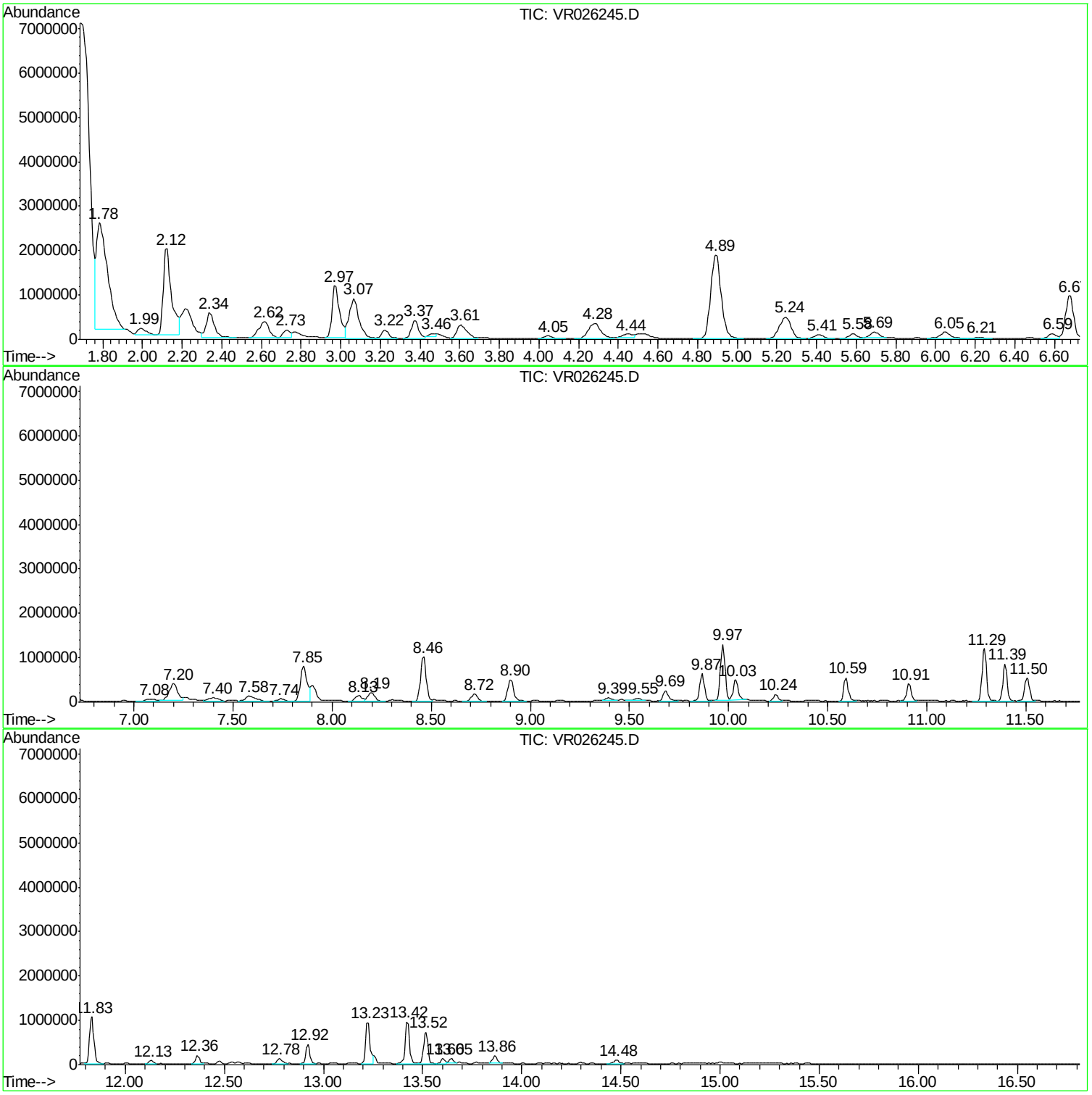
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

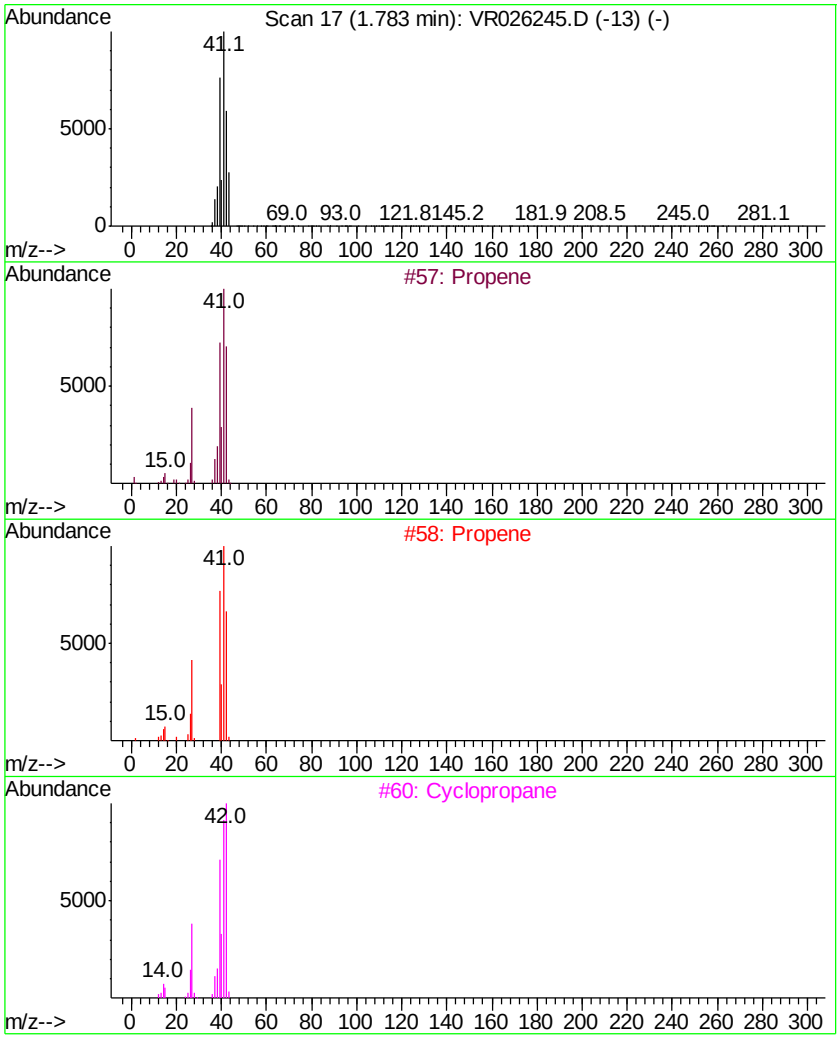
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

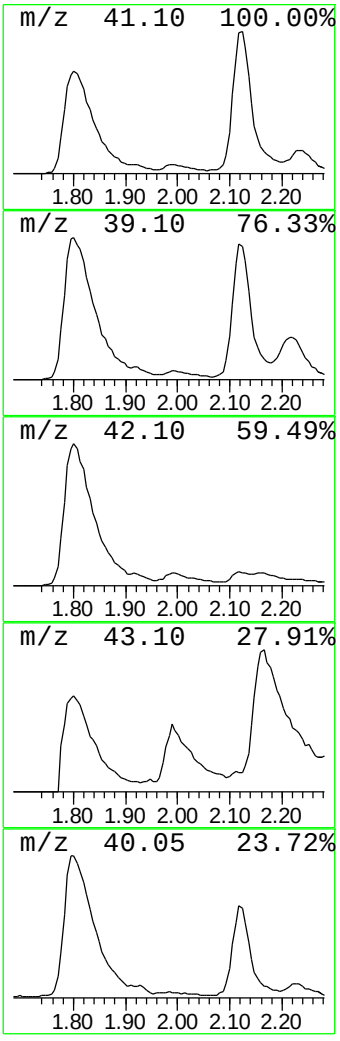
****

Peak Number 1 (DEL) Alkane: Cyclic1.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	24.57 ug/L	9561200	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	45
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropene	40	C3H4	002781-85-3	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

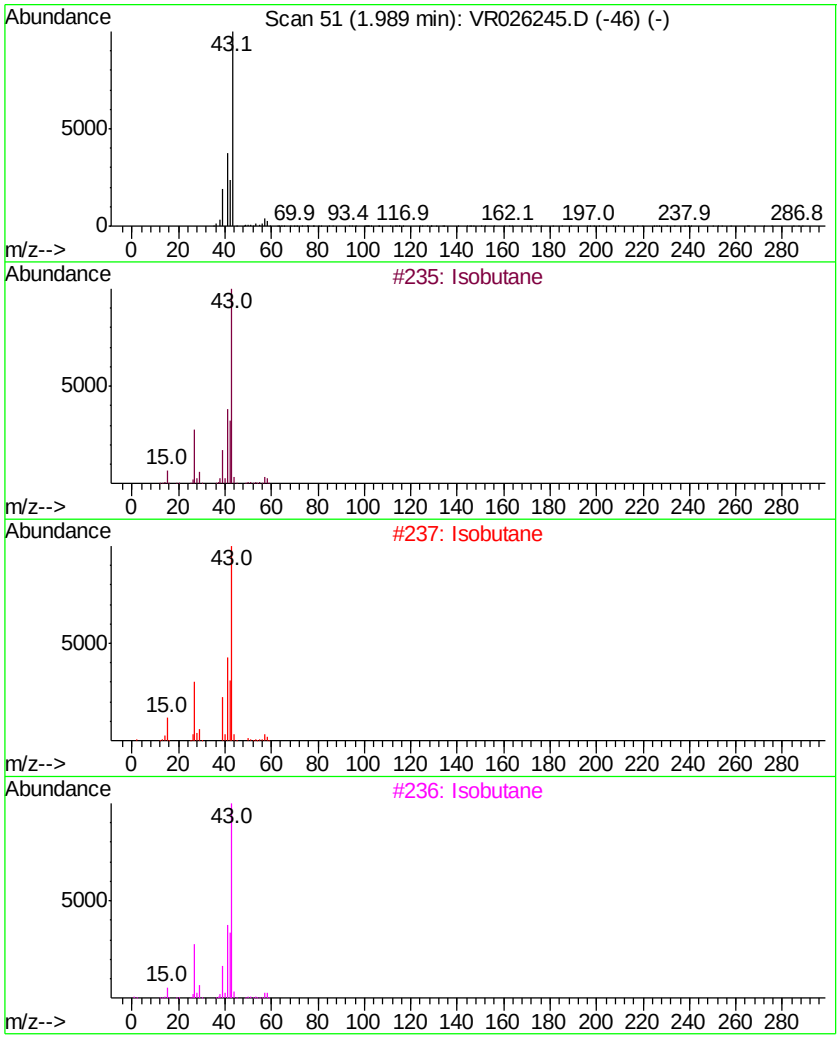
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

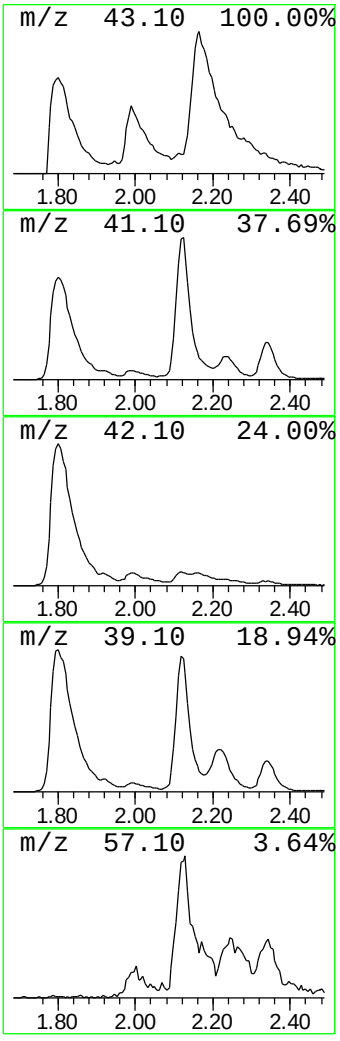
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.99	1.04 ug/L	405108	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	42
2	Isobutane	58	C4H10	000075-28-5	9
3	Isobutane	58	C4H10	000075-28-5	9
4	Isobutane	58	C4H10	000075-28-5	5
5	Pentane	72	C5H12	000109-66-0	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

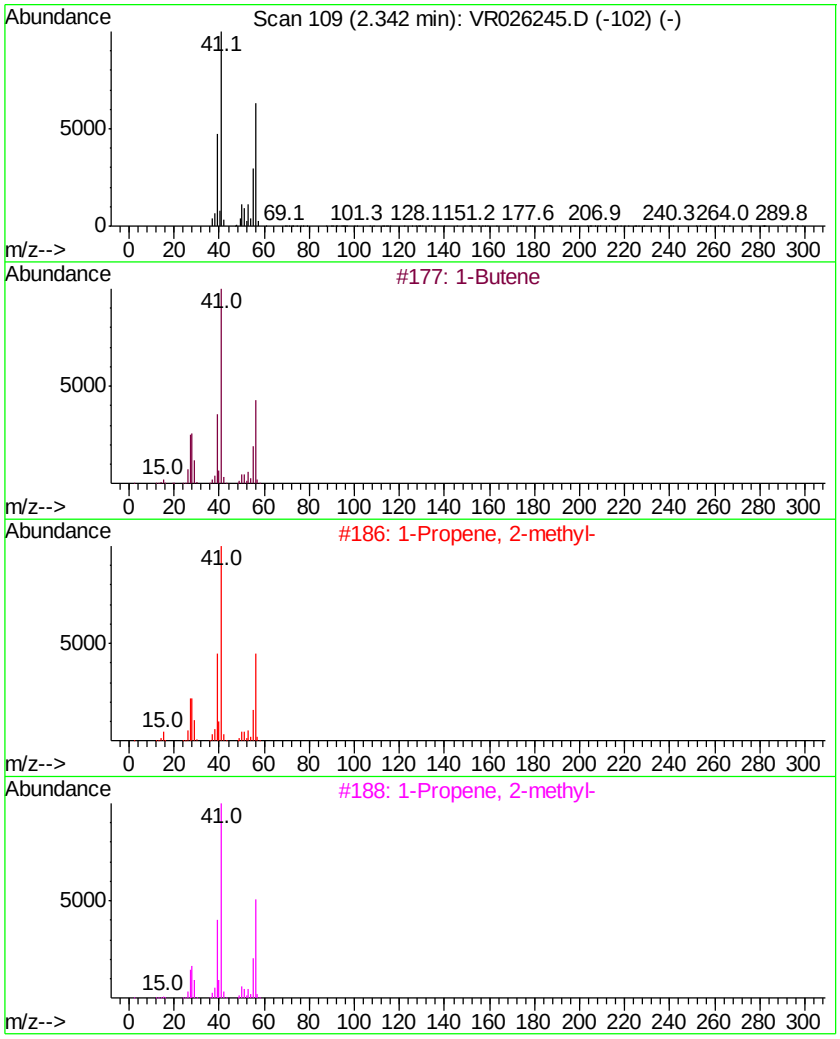
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

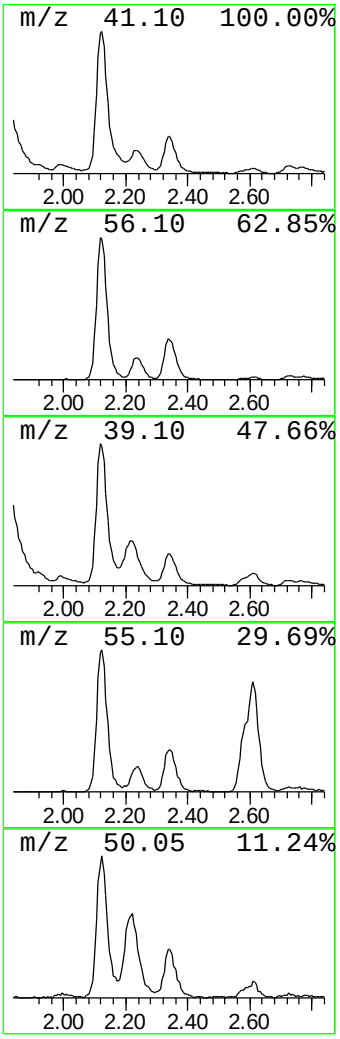
****

Peak Number 3 (DEL) Alkane: Cyclic2.34 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	4.08 ug/L	1589850	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	80
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	72
4	2-Butene, (Z)-	56	C4H8	000590-18-1	68
5	2-Butene, (E)-	56	C4H8	000624-64-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

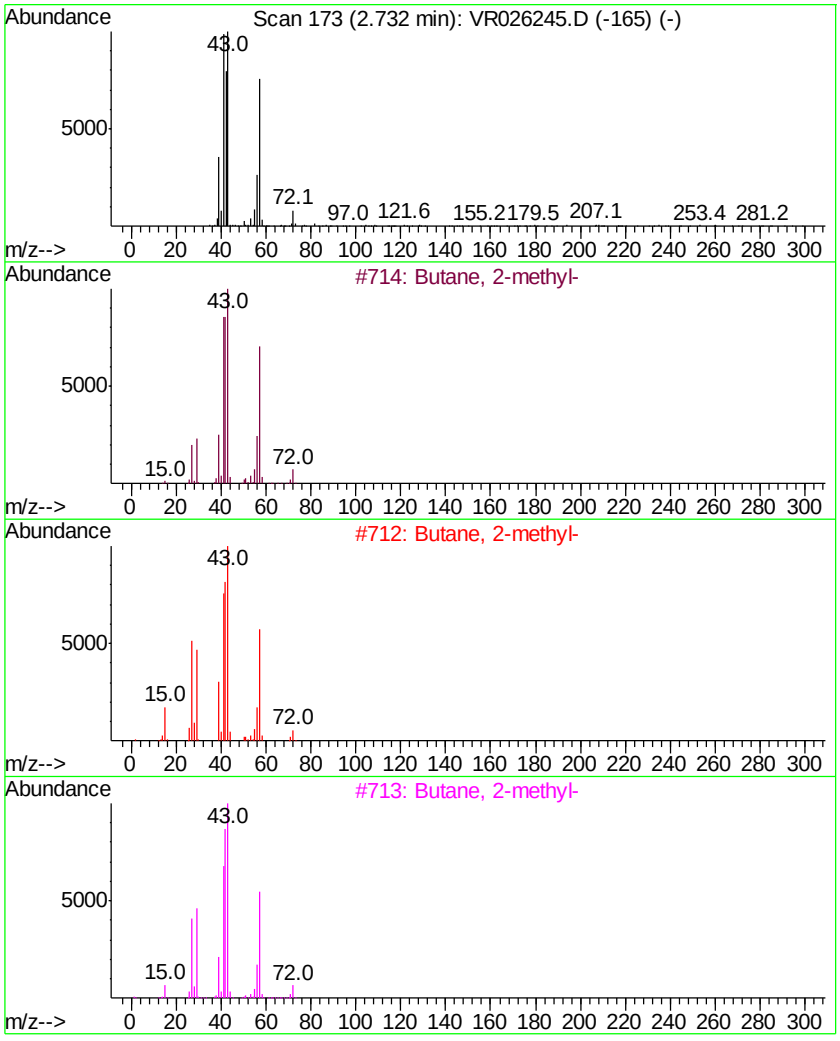
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

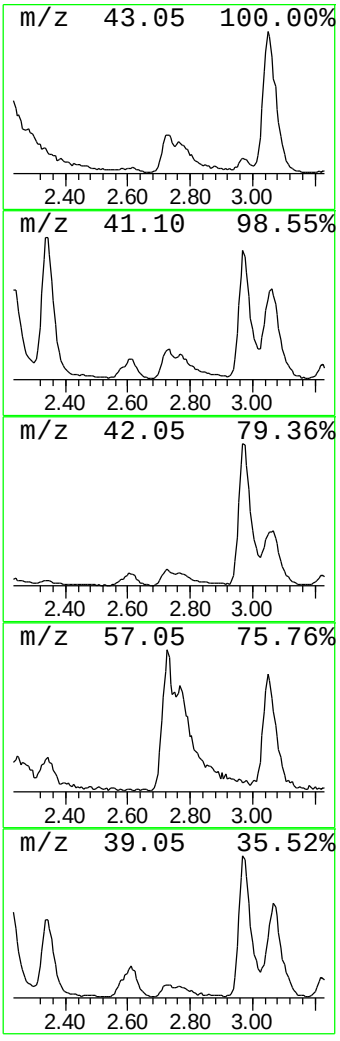
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.73	1.04 ug/L	406685	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	80
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	3-Buten-1-ol	72	C4H8O	000627-27-0	25
5	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

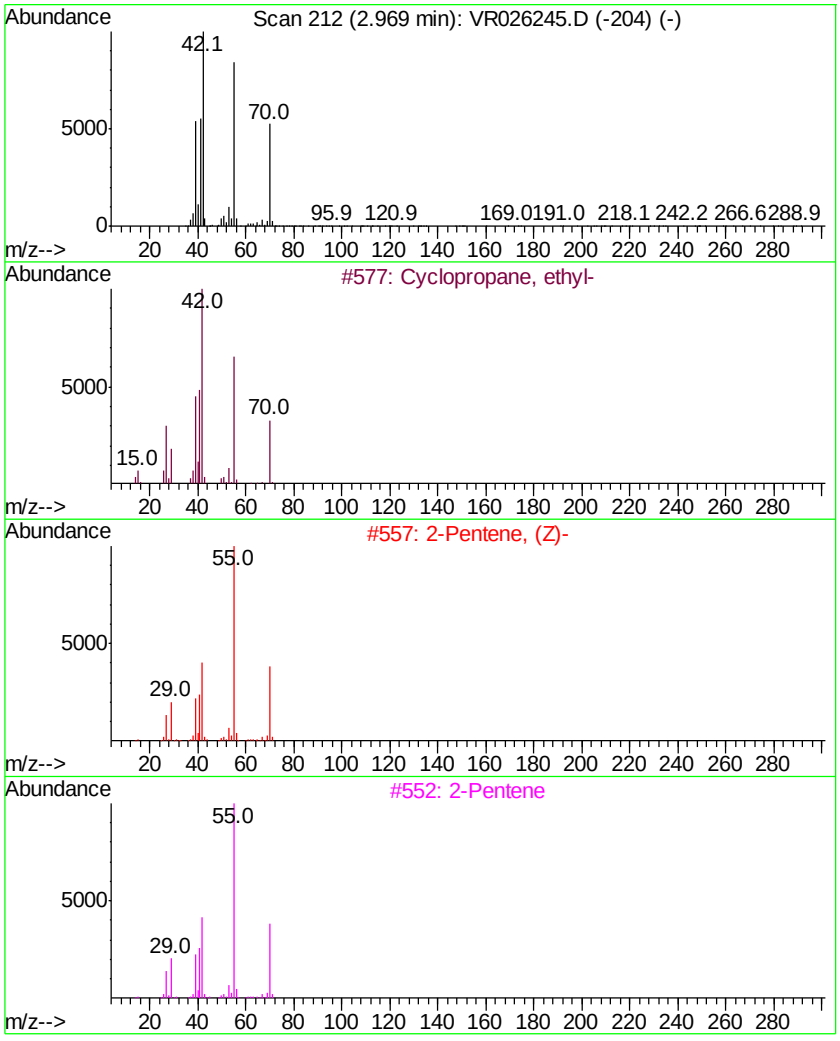
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

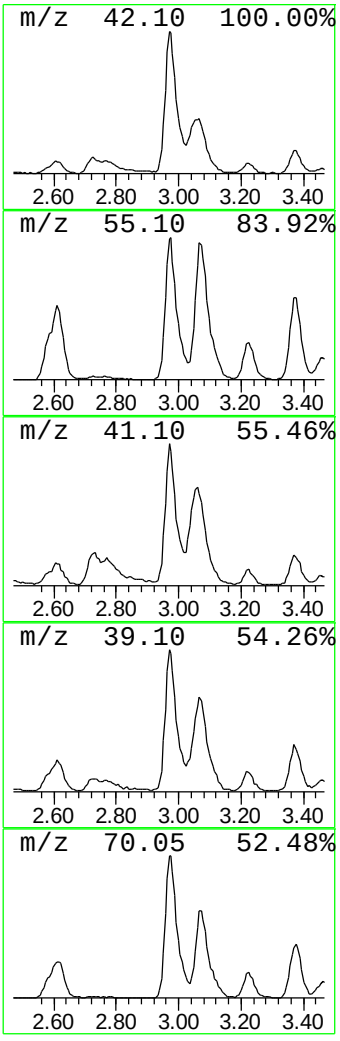
****

Peak Number 5 (DEL) Alkane: Cyclic2.97 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	8.03 ug/L	3126310	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	90
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
3	2-Pentene	70	C5H10	000109-68-2	80
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76
5	1-Pentene	70	C5H10	000109-67-1	64





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Operator : SY/MD
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Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

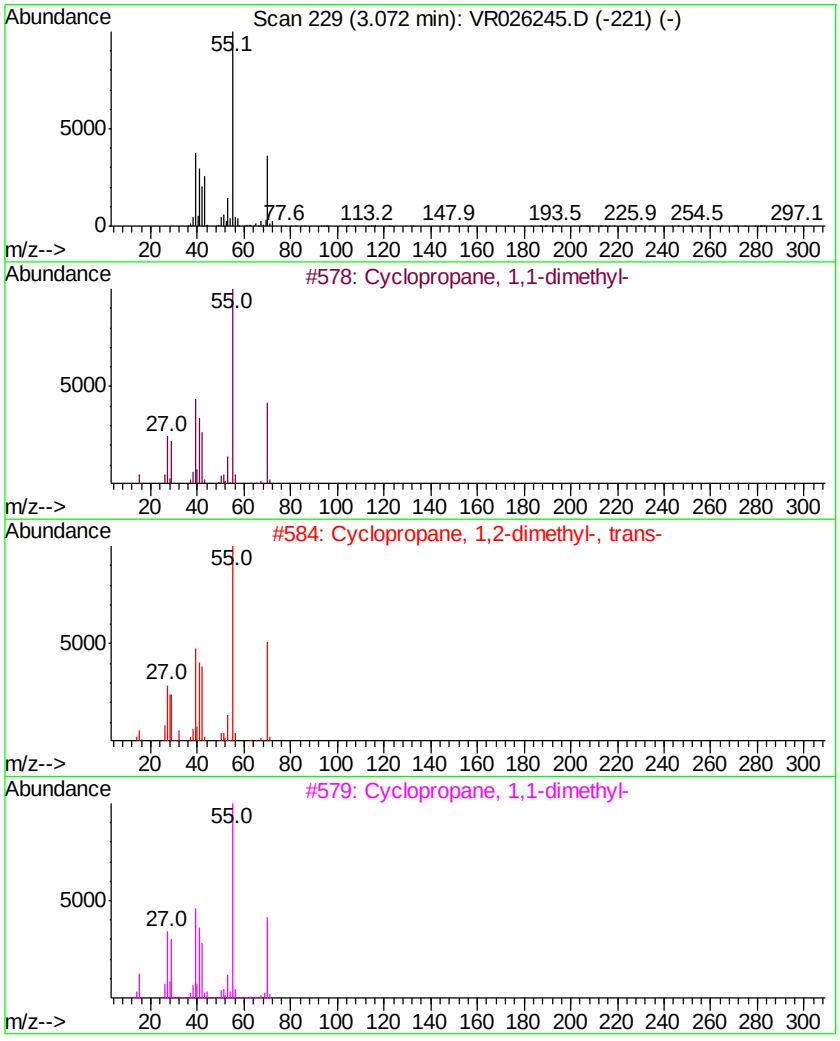
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

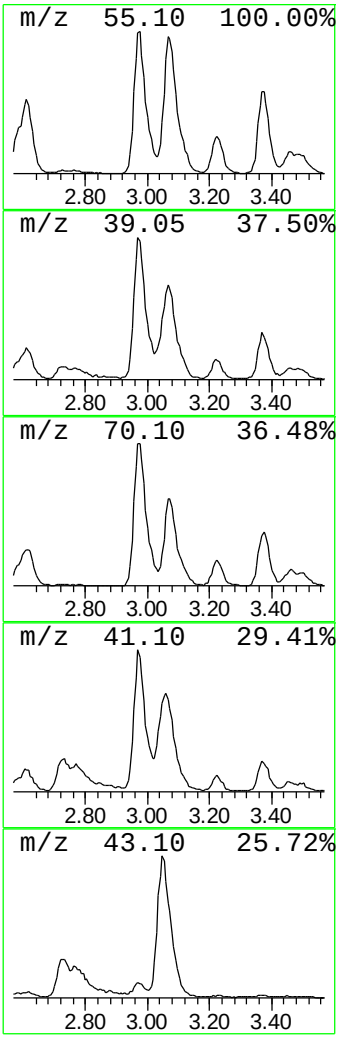
****

Peak Number 6 (DEL) Alkane: Cyclic3.07 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	7.80 ug/L	3037630	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	83
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	81
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	68
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	60





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Acq On : 21 Nov 2018 00:53
Operator : SY/MD
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Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

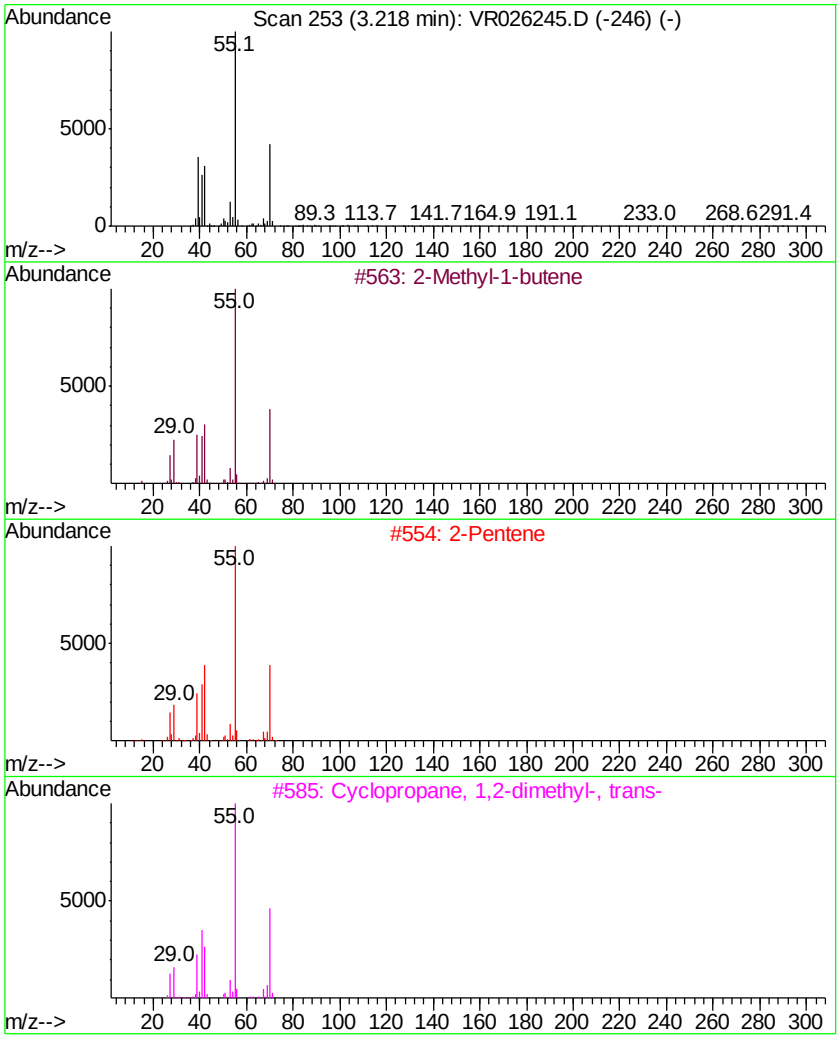
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

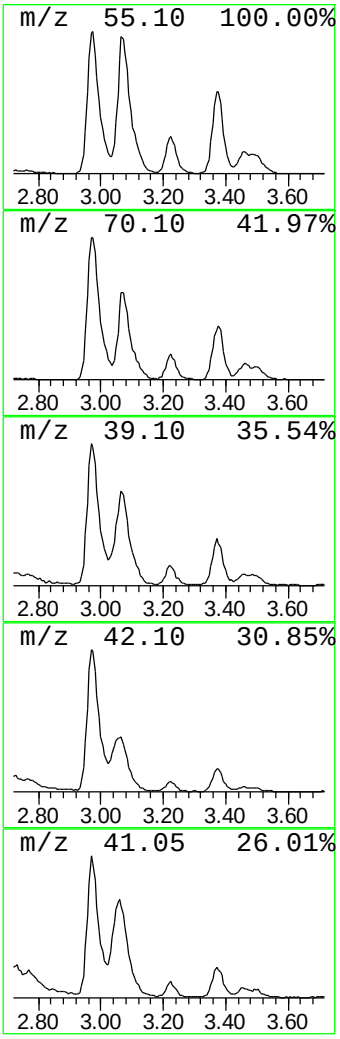
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic3.22 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	1.12 ug/L	436804	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	87
2	2-Pentene	70	C5H10	000109-68-2	87
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

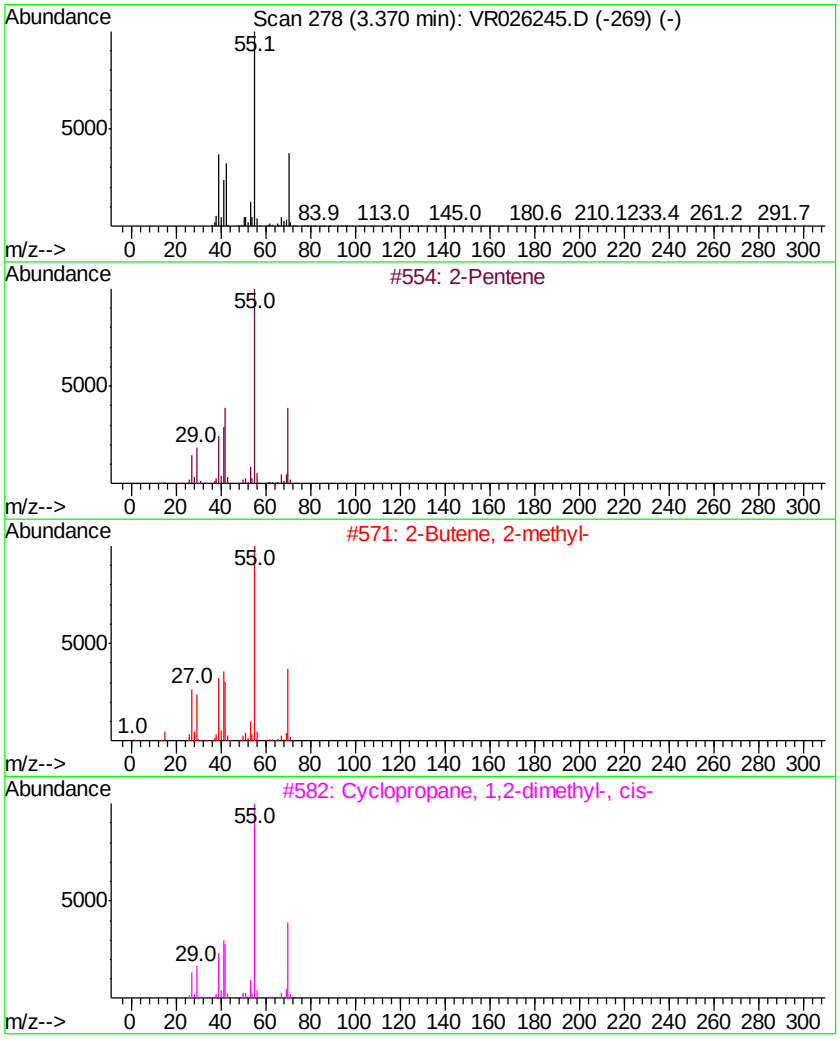
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

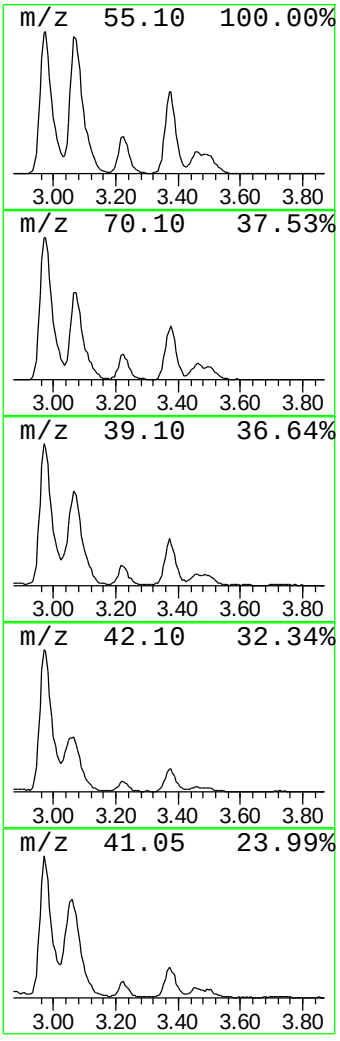
****

Peak Number 8 (DEL) Alkane: Cyclic3.37 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.37	2.66 ug/L	1035830	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene	70	C5H10	000109-68-2	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
4	2-Methyl-1-butene	70	C5H10	000563-46-2	91
5	2-Pentene, (E)-	70	C5H10	000646-04-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

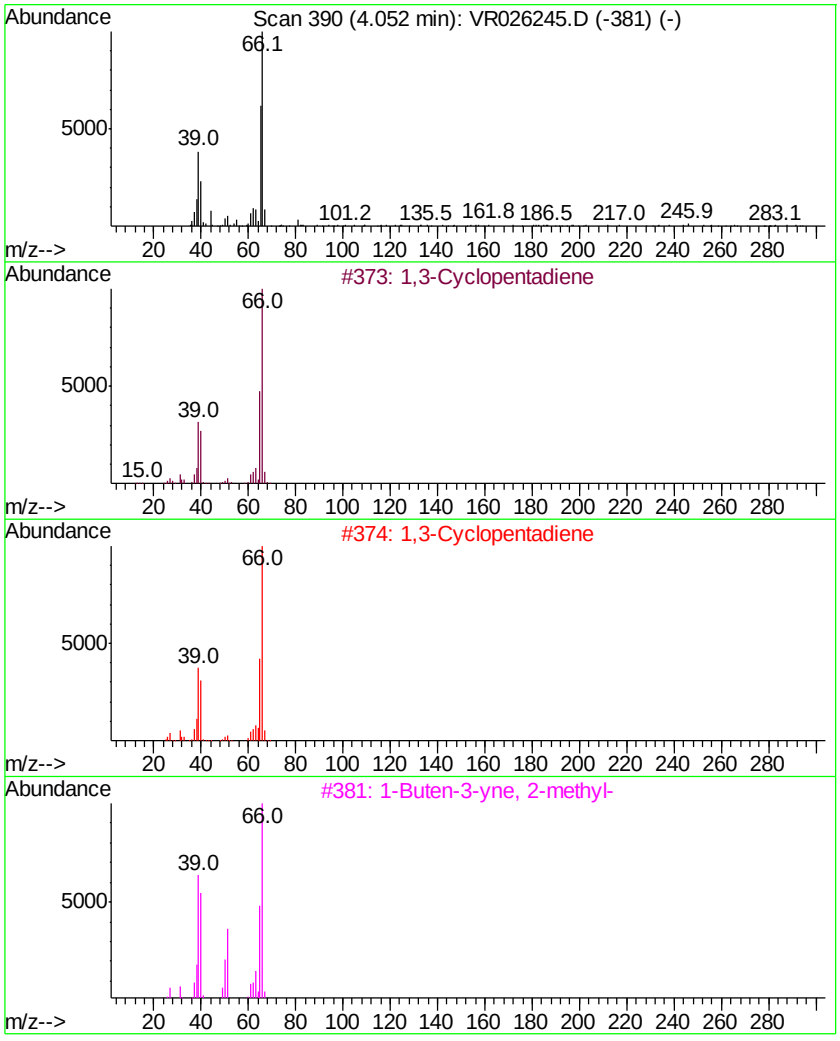
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

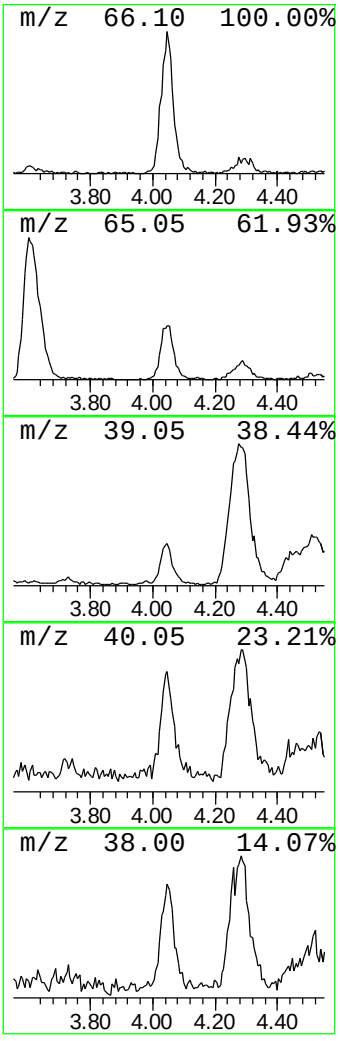
****

Peak Number 9 1,3-Cyclopentadiene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.05	0.51 ug/L	199940	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene	66	C5H6	000542-92-7	91
2	1,3-Cyclopentadiene	66	C5H6	000542-92-7	87
3	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	86
4	1,4,4a,8a-Tetrahydro-1,4-methano...	174	C11H10O2	001200-89-1	78
5	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

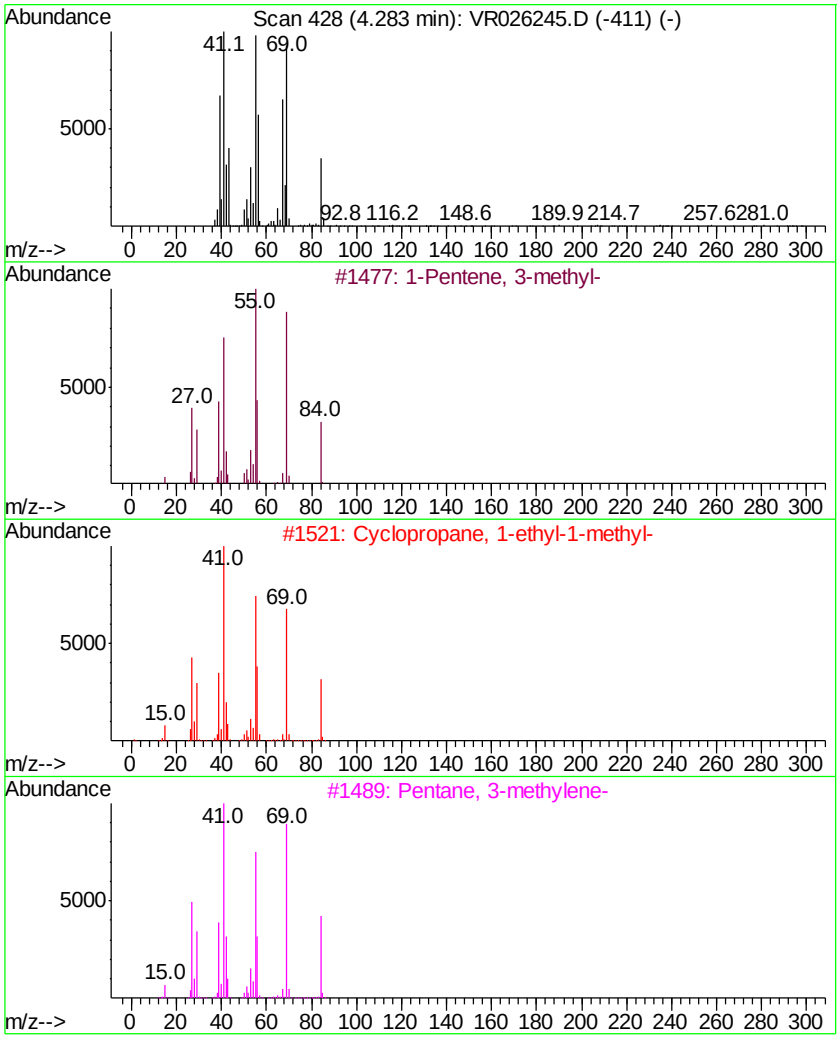
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

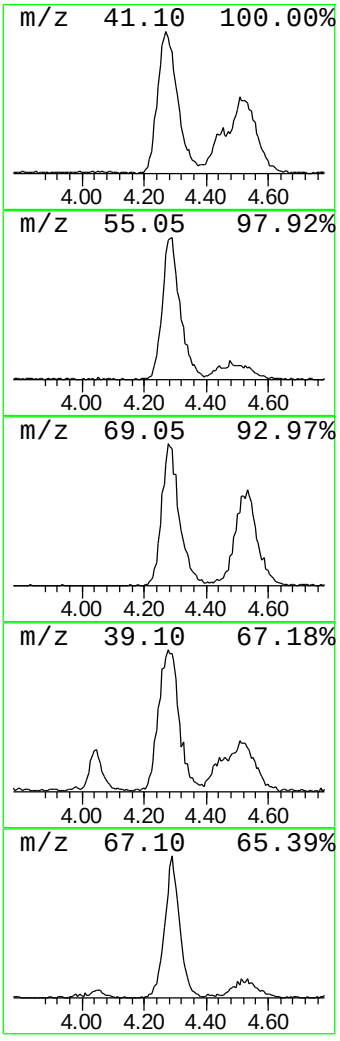
****

Peak Number 10 (DEL) Alkane: Cyclic4.28 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	3.98 ug/L	1549460	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	64
2	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	64
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	49
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	49
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

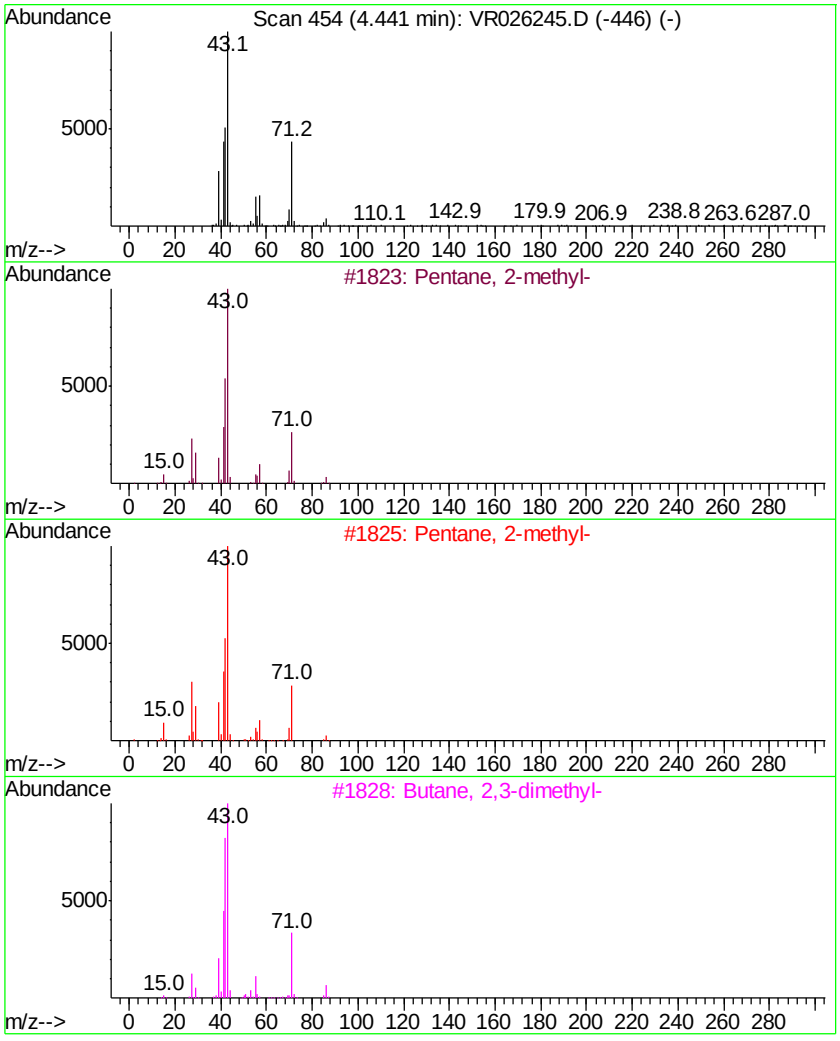
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

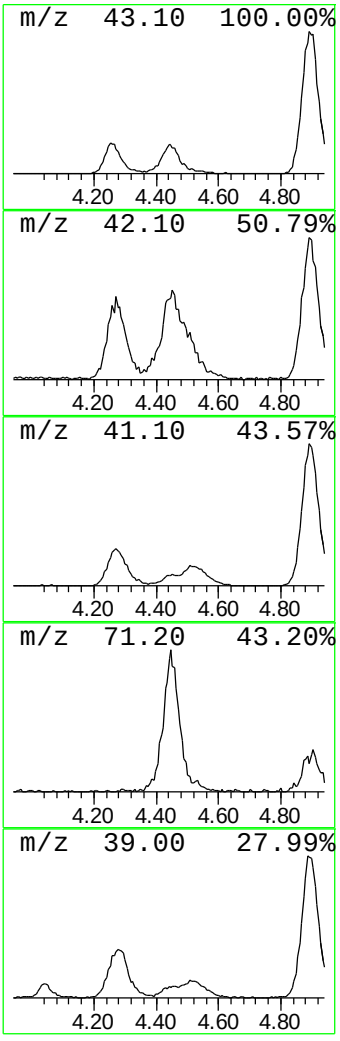
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.44	0.81 ug/L	313448	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	43
4	Propanoic acid, 2-methyl-, 2-pro...	128	C7H12O2	015727-77-2	37
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

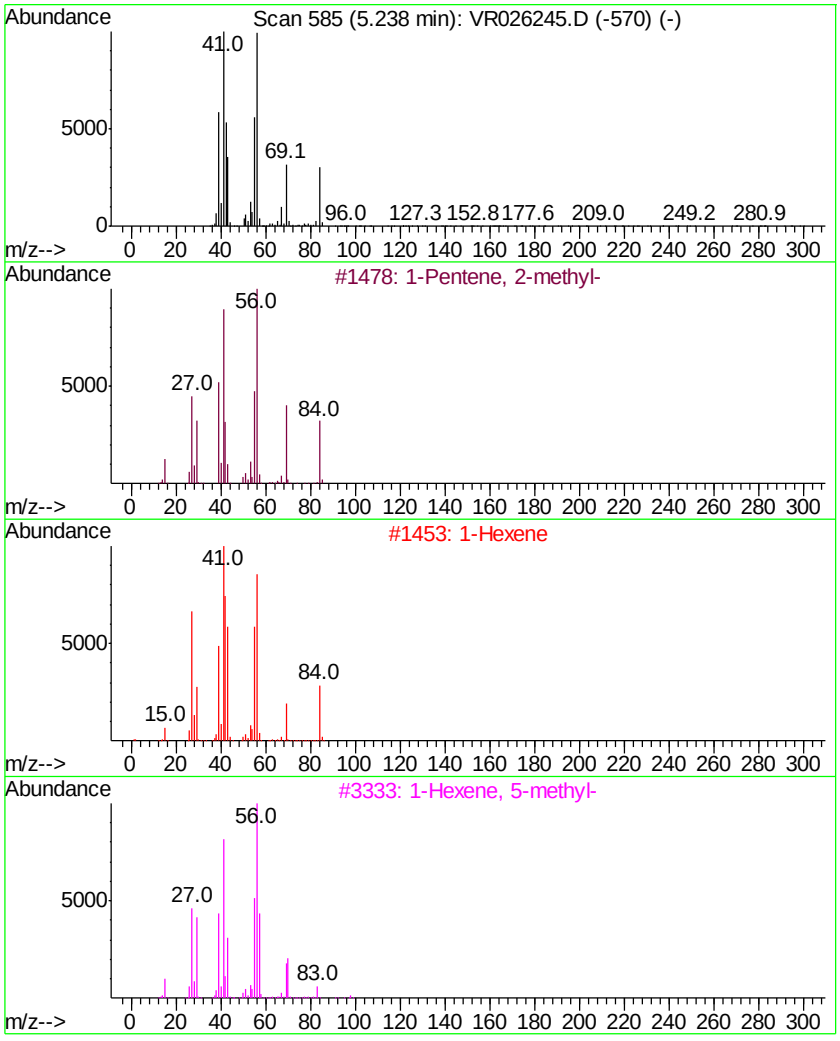
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

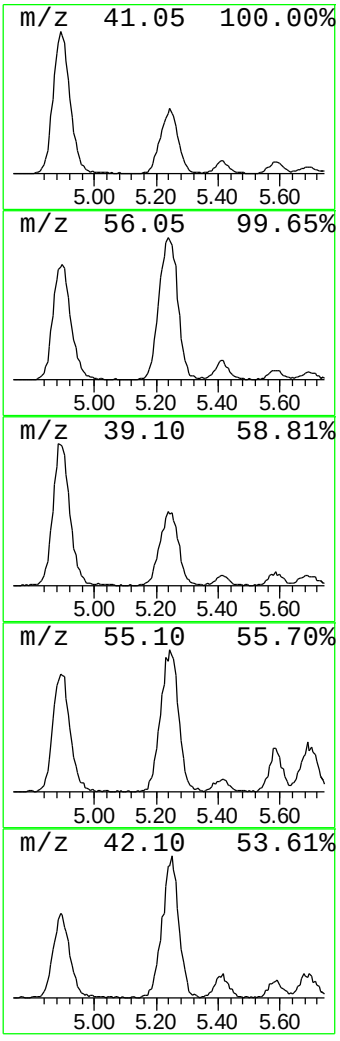
****

Peak Number 12 (DEL) Alkane: Cyclic5.24 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	5.07 ug/L	1972300	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
2	1-Hexene	84	C6H12	000592-41-6	64
3	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	53
4	1-Heptene	98	C7H14	000592-76-7	53
5	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

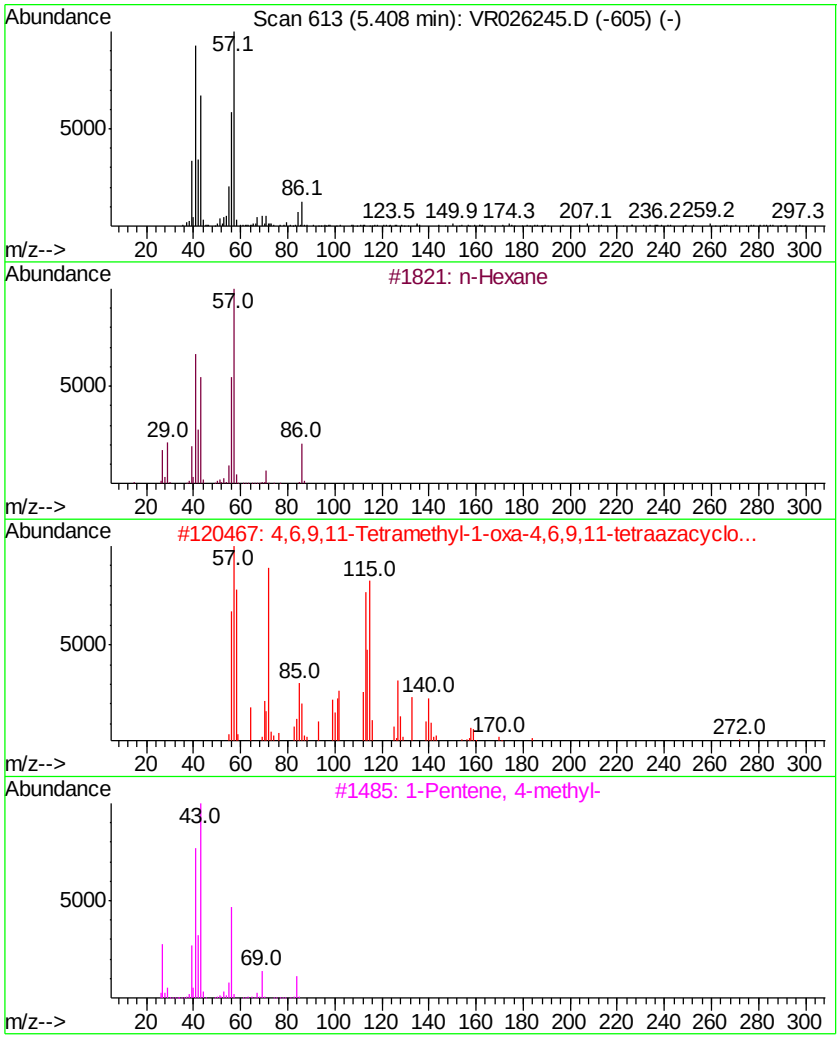
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

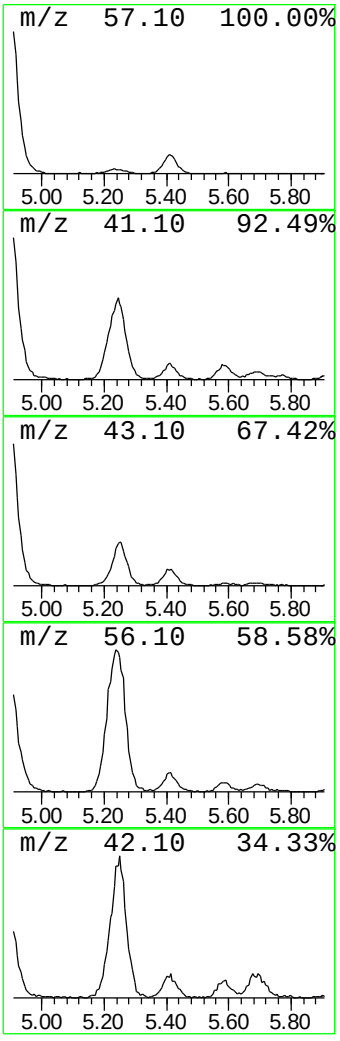
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.41	0.75 ug/L	293533	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	80
2	4,6,9,11-Tetramethyl-1-oxa-4,6,9...	272	C12H24N4O3	1000139-36-0	59
3	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	53
4	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	49
5	Cyclohexane	84	C6H12	000110-82-7	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

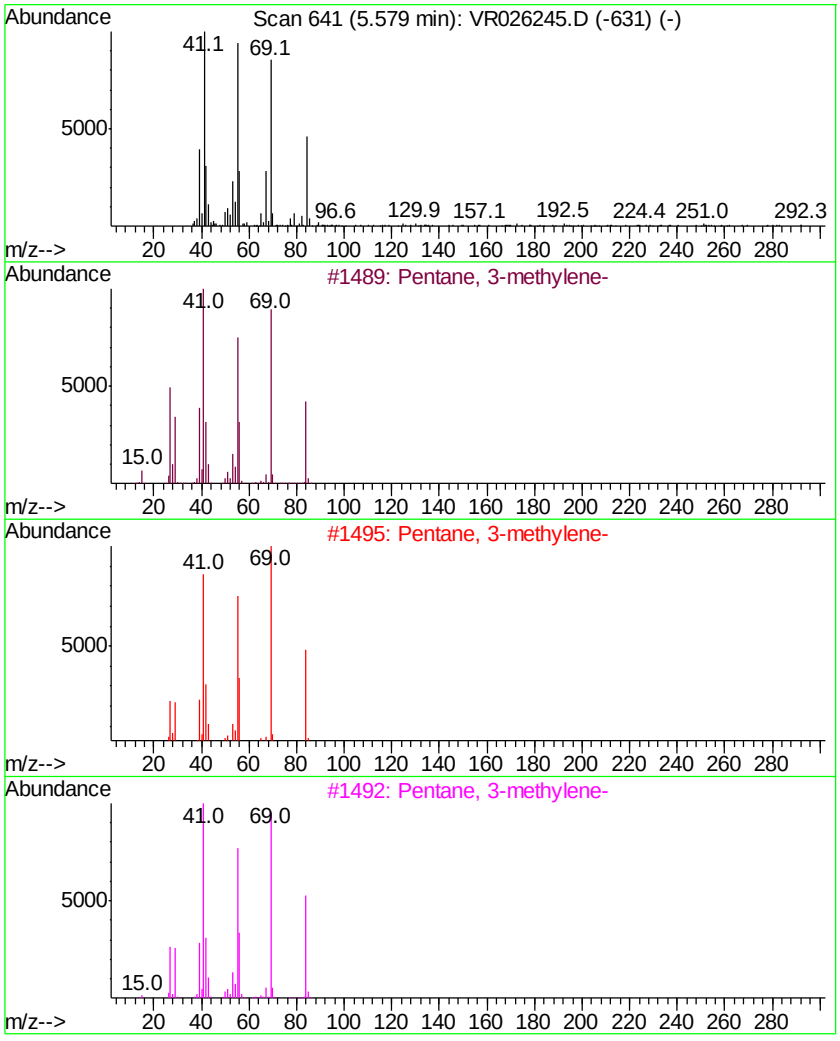
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

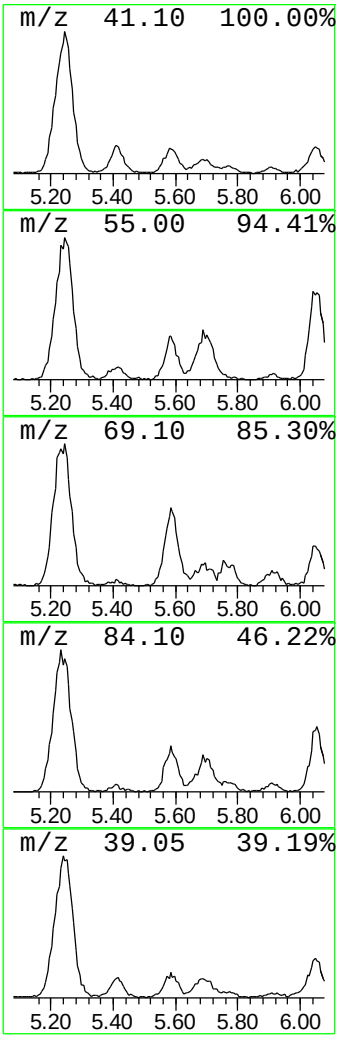
****

Peak Number 14 (DEL) Alkane: Cyclic5.58 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	0.88 ug/L	340940	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methylene-	84	C6H12	000760-21-4	87
2	Pentane, 3-methylene-	84	C6H12	000760-21-4	70
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	62
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	58
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

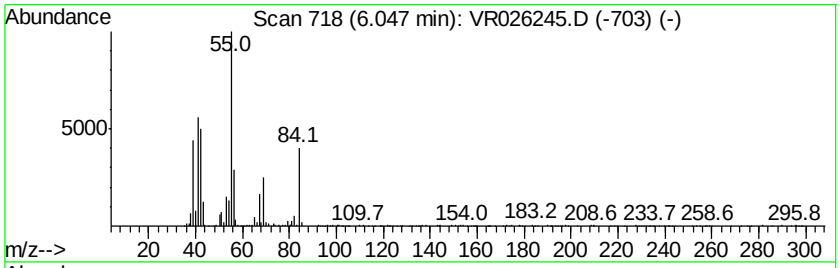
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

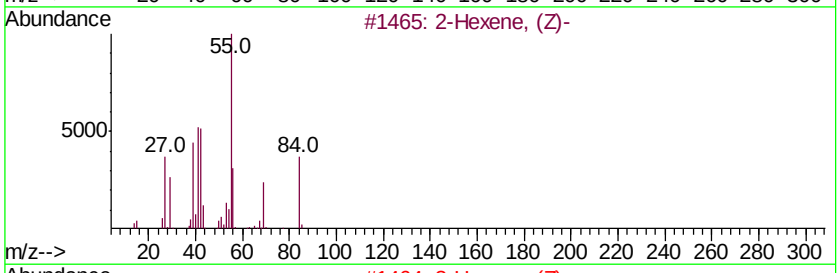
****

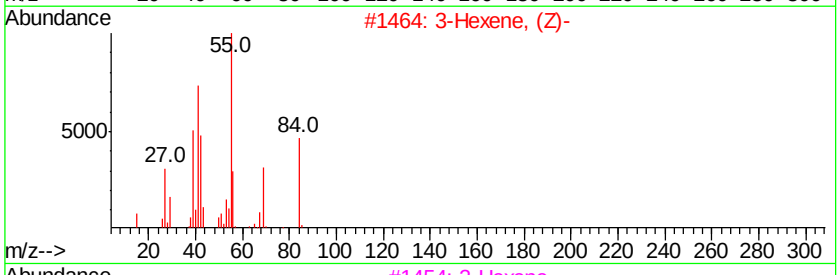
Peak Number 15 (DEL) Alkane: Cyclic6.05 Concentration Rank 11

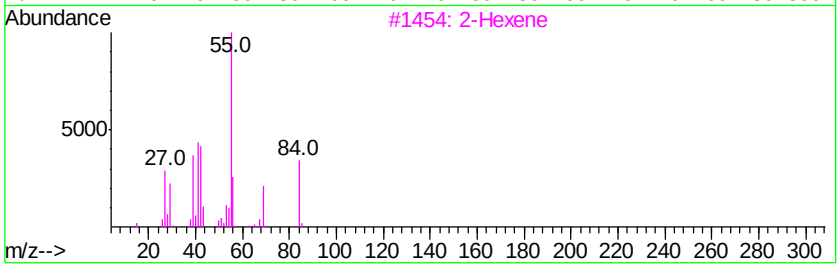
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	1.53 ug/L	597069	1,4-Difluorobenzene	8.46

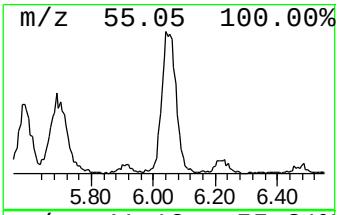
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (Z)-	84	C6H12	007688-21-3	95
2	3-Hexene, (Z)-	84	C6H12	007642-09-3	94
3	2-Hexene	84	C6H12	000592-43-8	93
4	Pentane, 3-methylene-	84	C6H12	000760-21-4	80
5	2-Hexene, (E)-	84	C6H12	004050-45-7	70

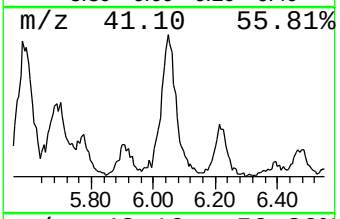


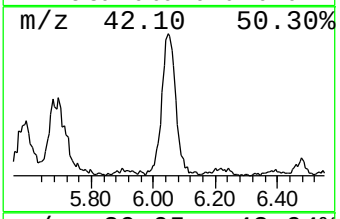


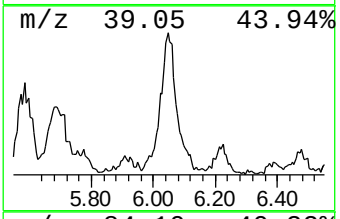


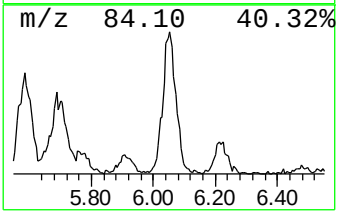












Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

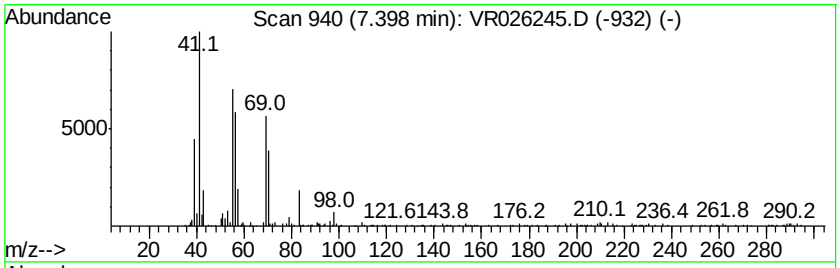
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

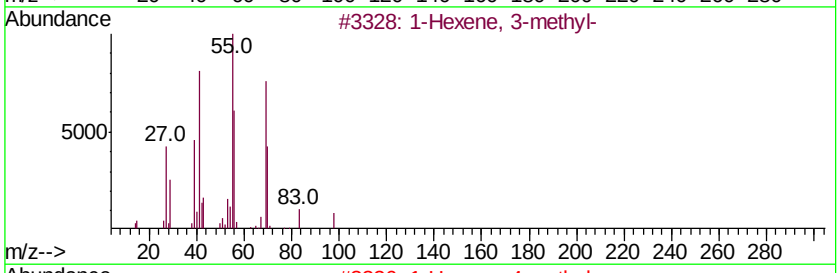
****

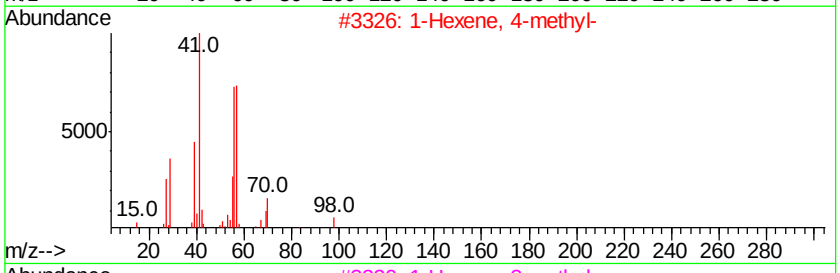
Peak Number 16 (DEL) Alkane: Cyclic7.40 Concentration Rank 24

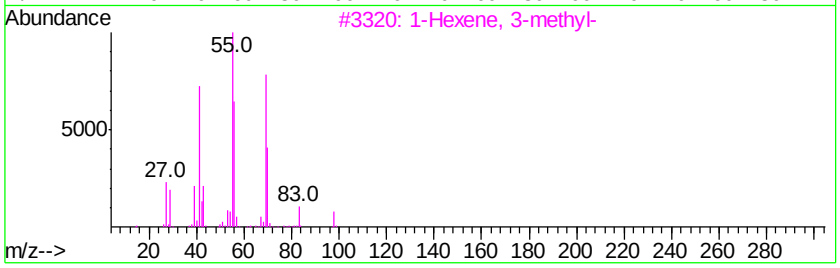
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	0.63 ug/L	244822	1,4-Difluorobenzene	8.46

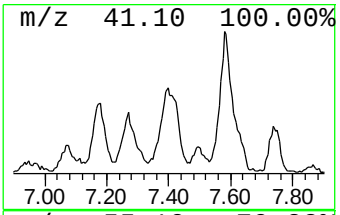
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	72
2	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	50
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	46
4	2-Octene, (Z)-	112	C8H16	007642-04-8	43
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	43

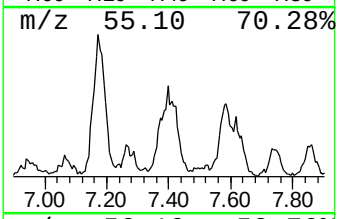


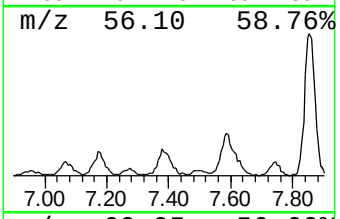


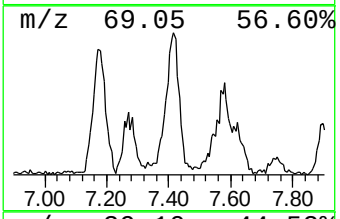


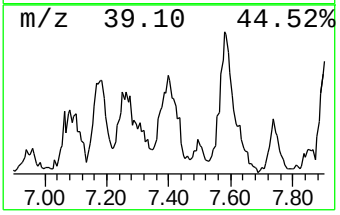












Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

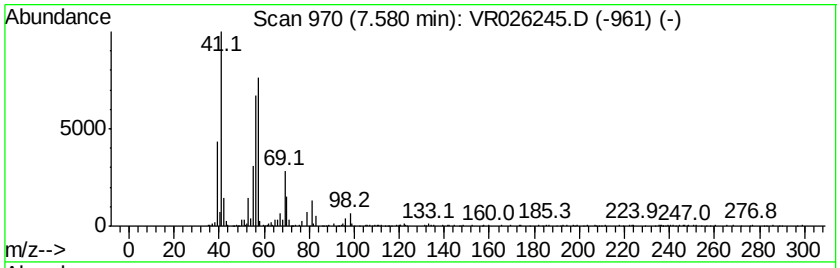
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

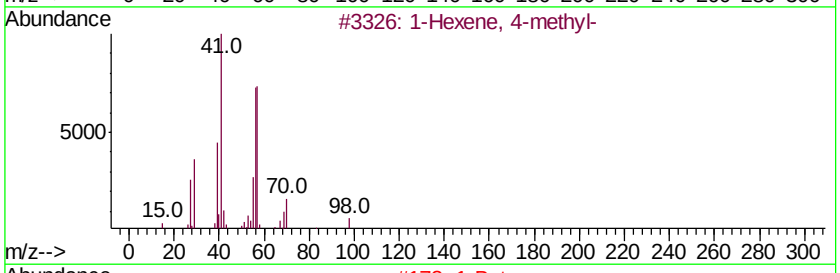
****

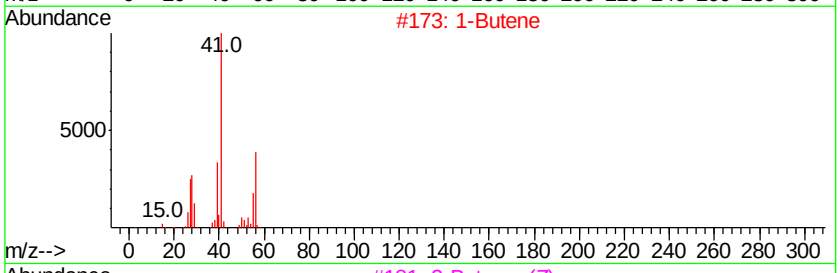
Peak Number 17 (DEL) Alkane: Cyclic7.58 Concentration Rank 14

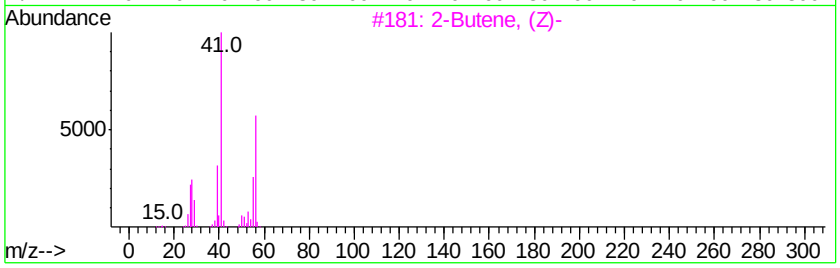
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	1.11 ug/L	430488	1,4-Difluorobenzene	8.46

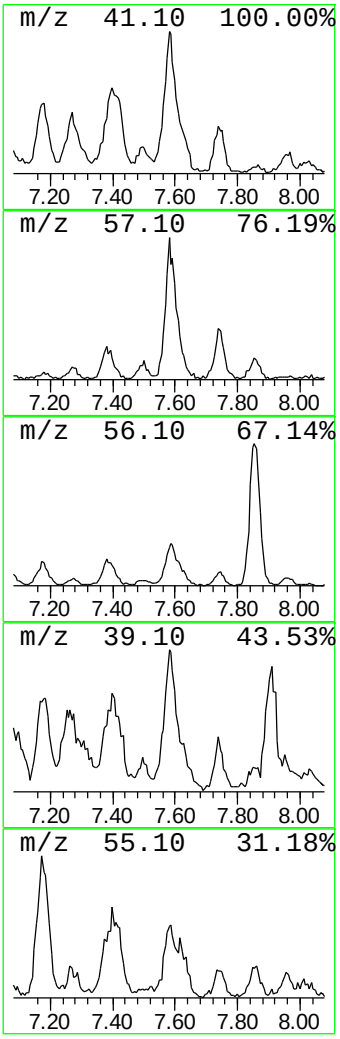
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	68
2	1-Butene	56	C4H8	000106-98-9	49
3	2-Butene, (Z)-	56	C4H8	000590-18-1	49
4	1-Butene	56	C4H8	000106-98-9	49
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	47











Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

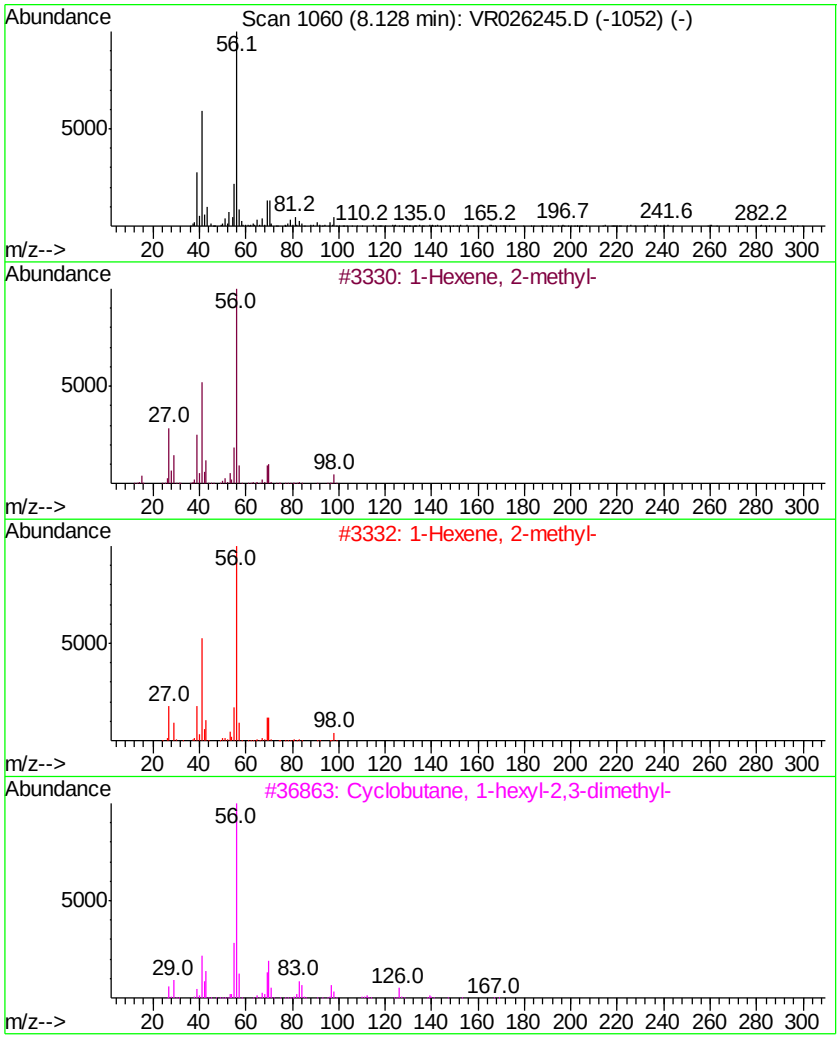
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

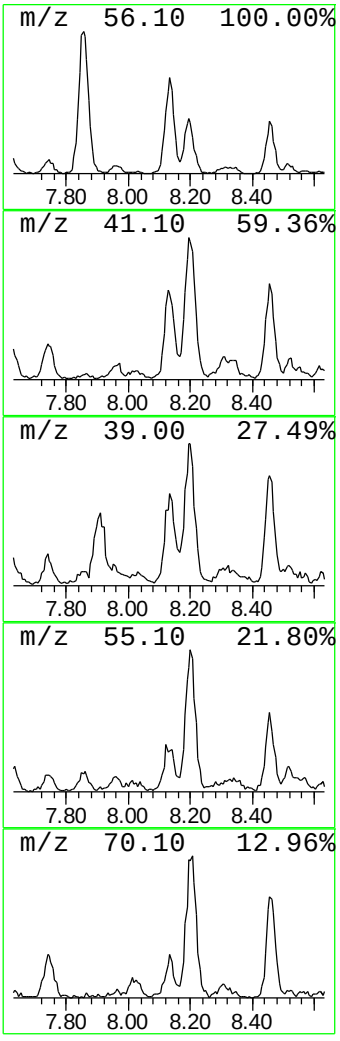
****

Peak Number 18 (DEL) Alkane: Cyclic8.13 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	0.78 ug/L	304609	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	87
2	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	87
3	Cyclobutane, 1-hexyl-2,3-dimethyl-	168	C12H24	055170-84-8	72
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	72
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

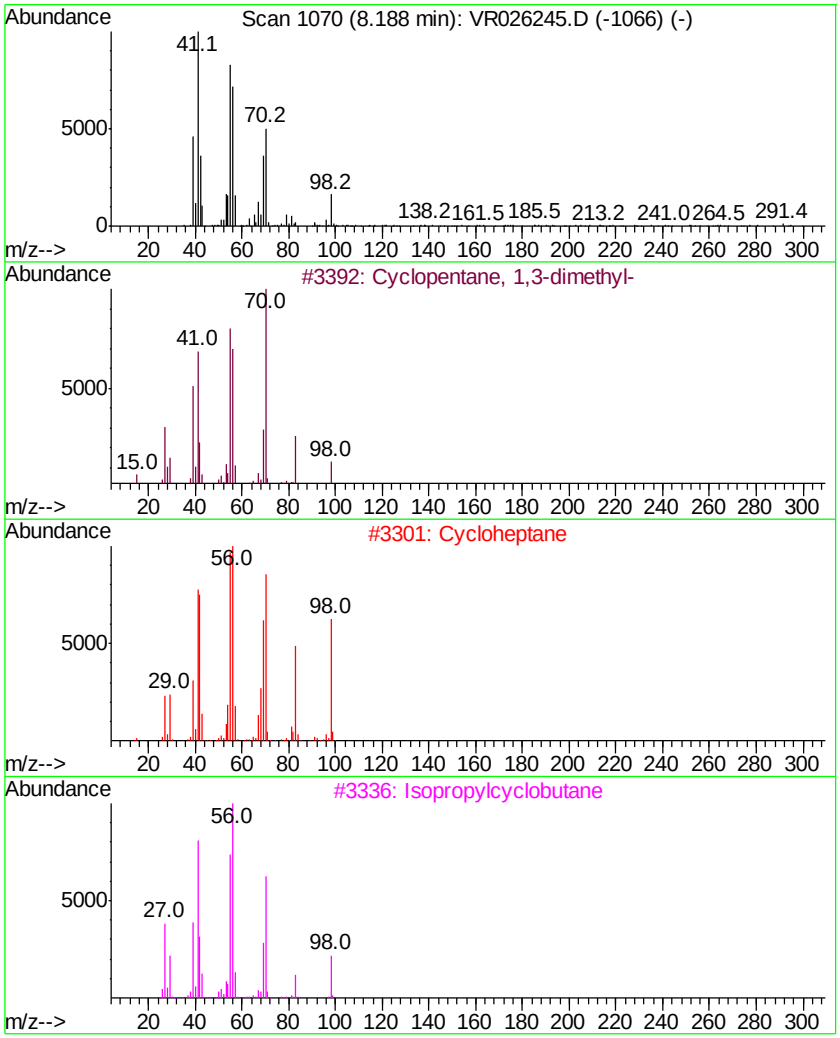
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

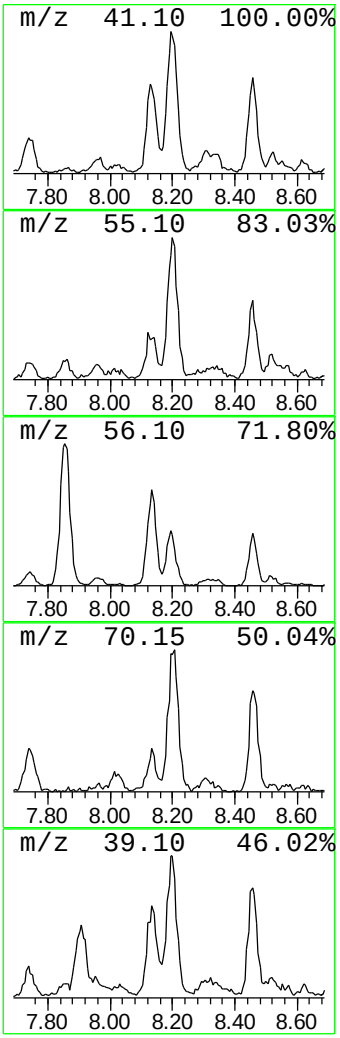
****

Peak Number 19 (DEL) Alkane: Cyclic8.19 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	1.16 ug/L	451131	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	68
2	Cycloheptane	98	C7H14	000291-64-5	68
3	Isopropylcyclobutane	98	C7H14	000872-56-0	62
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	58
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

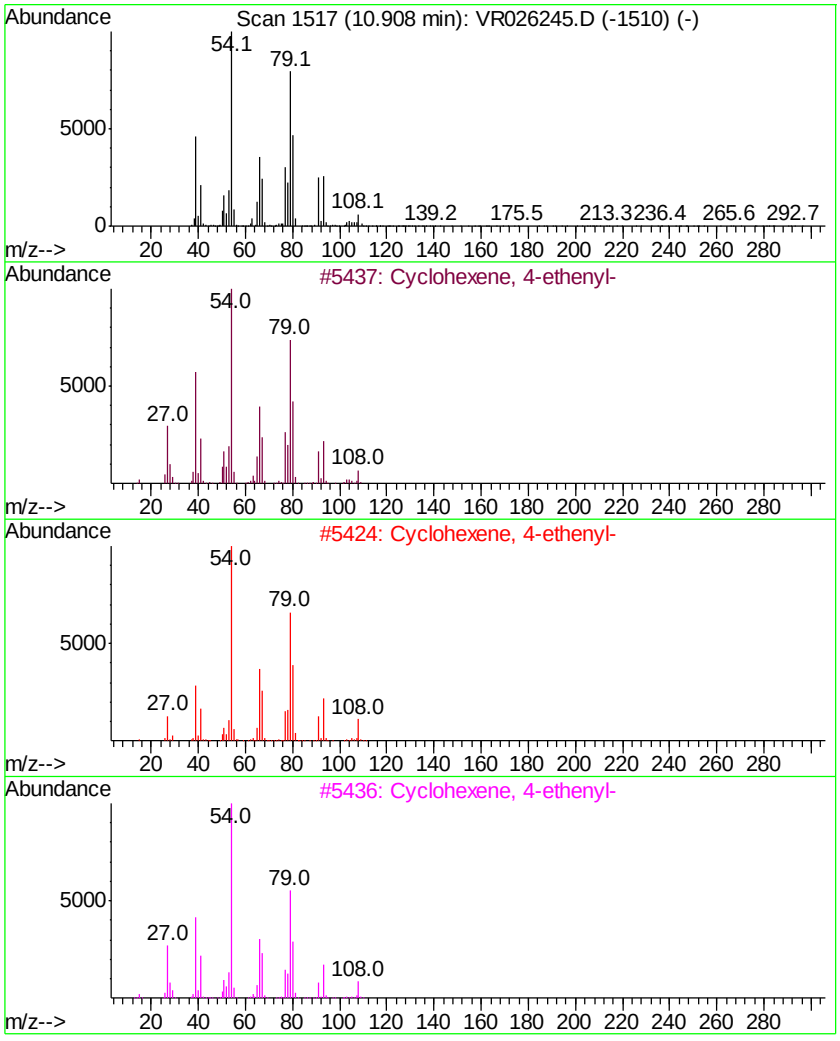
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

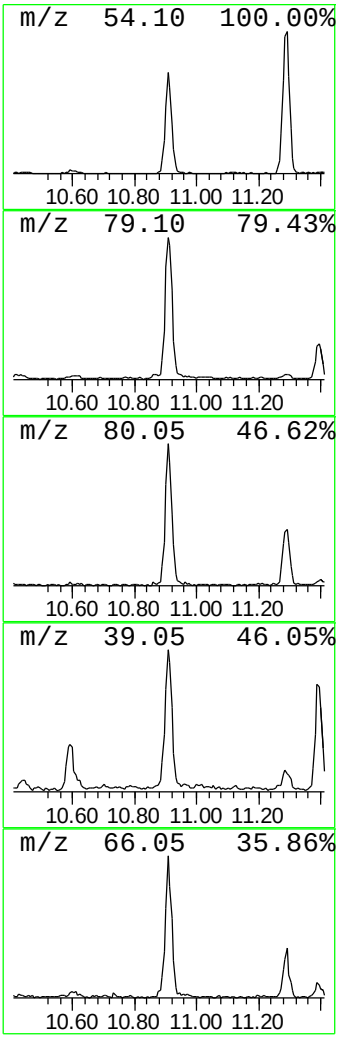
****

Peak Number 21 Cyclohexene, 4-ethenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	1.65 ug/L	603609	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	98
2	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	78
3	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	78
4	1,5,9-Cyclododecatriene, (E,Z,Z)-	162	C12H18	002765-29-9	59
5	Spiro[2.9]dodeca-4,8-diene	162	C12H18	062108-42-3	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

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

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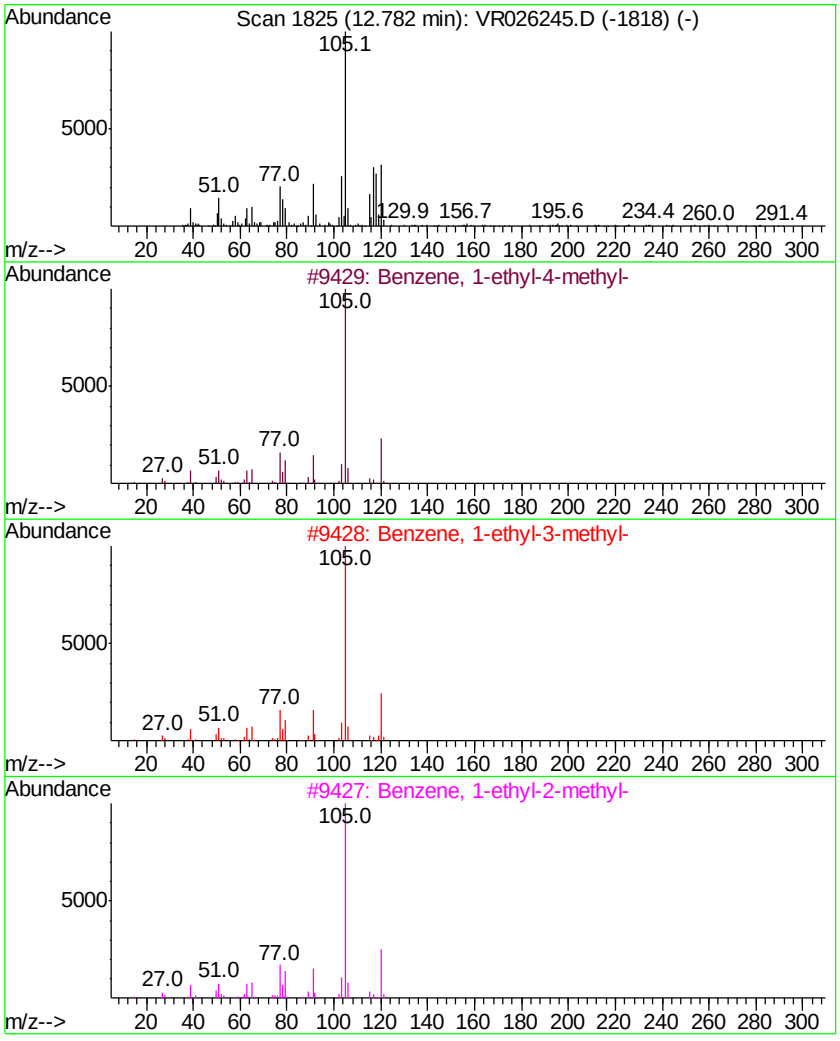
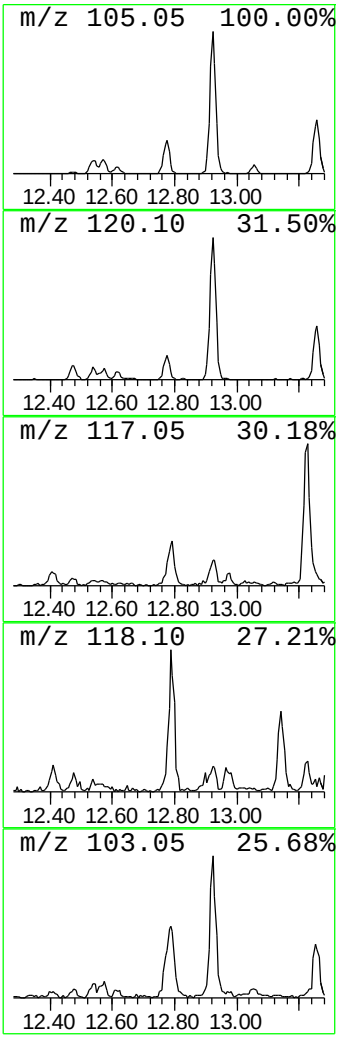
Peak Number 22 Benzene, 1-ethyl-4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	0.83 ug/L	239317	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	92
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	81
5	Mesitylene	120	C9H12	000108-67-8	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

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

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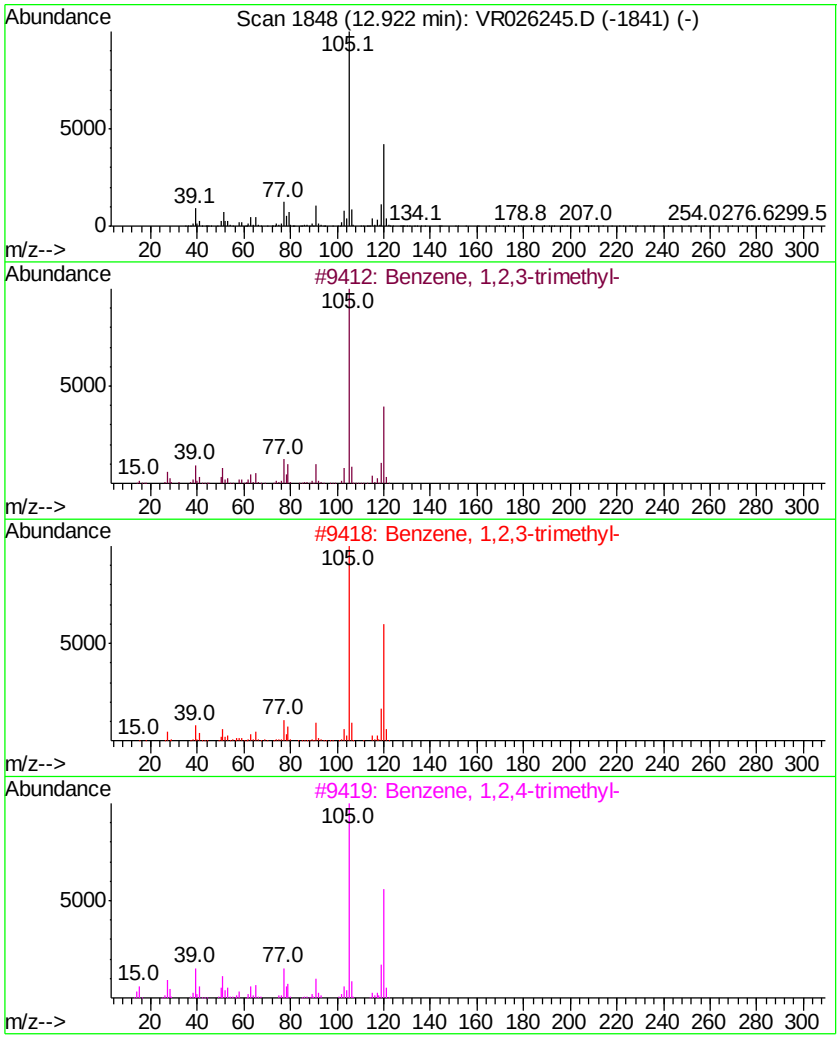
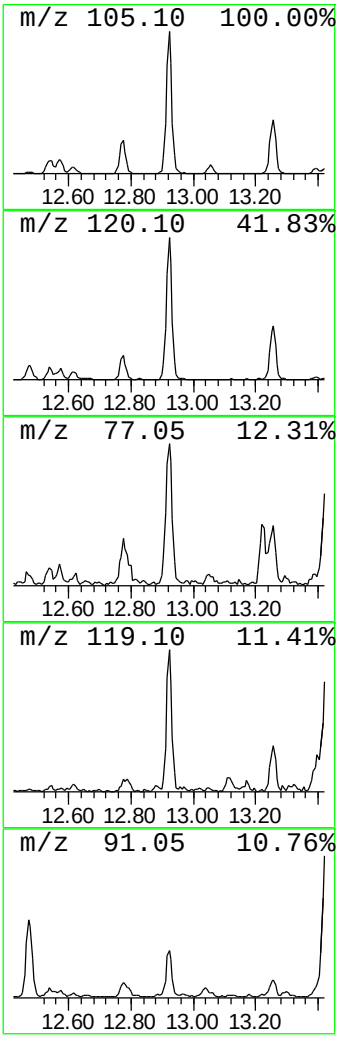
Peak Number 23 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	2.06 ug/L	595903	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

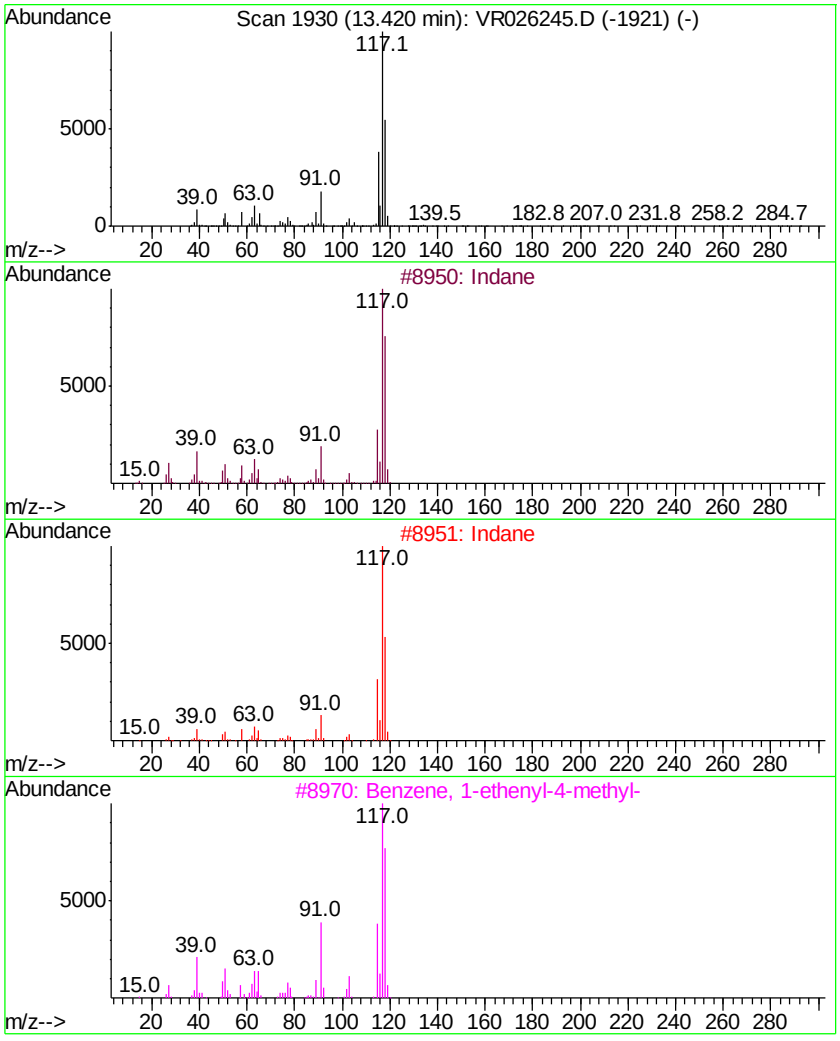
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

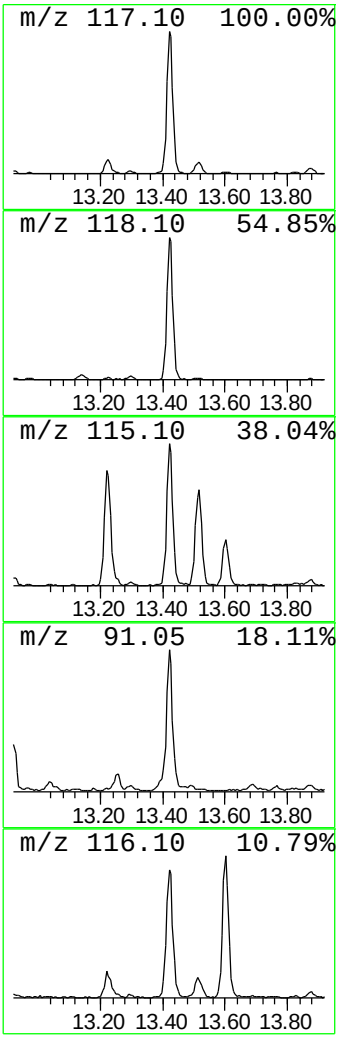
****

Peak Number 24 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	5.00 ug/L	1445140	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	94
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
4	Indane	118	C9H10	000496-11-7	74
5	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

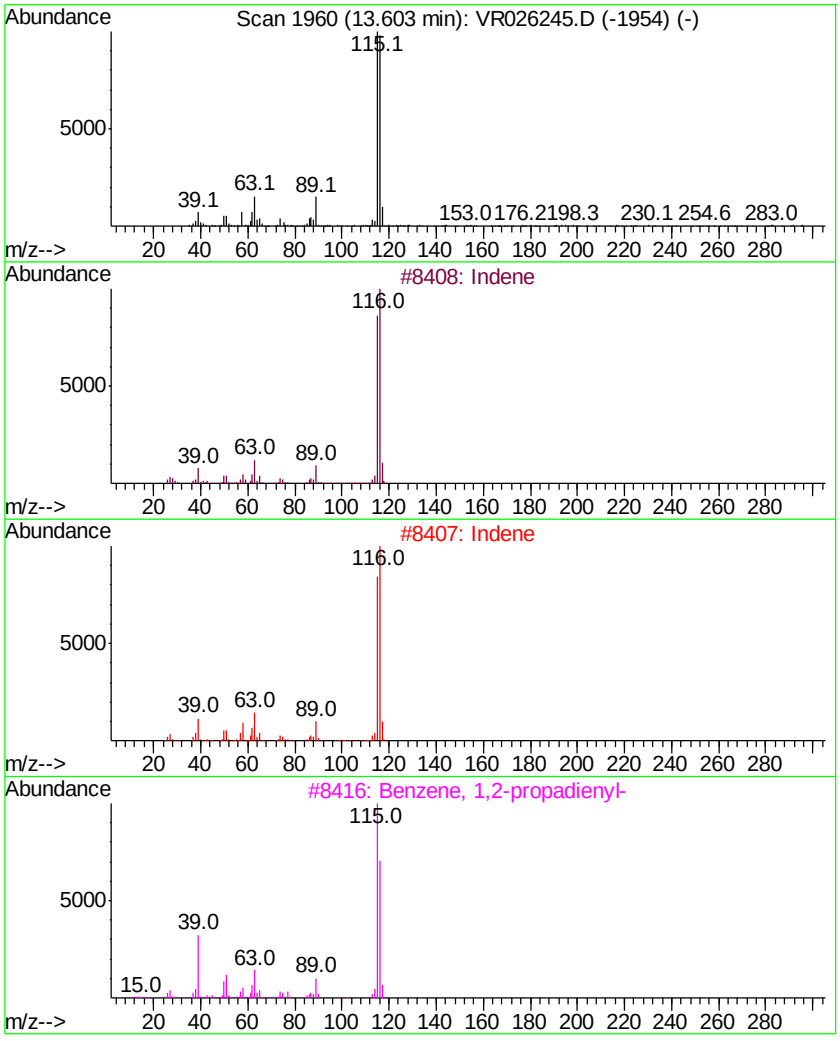
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

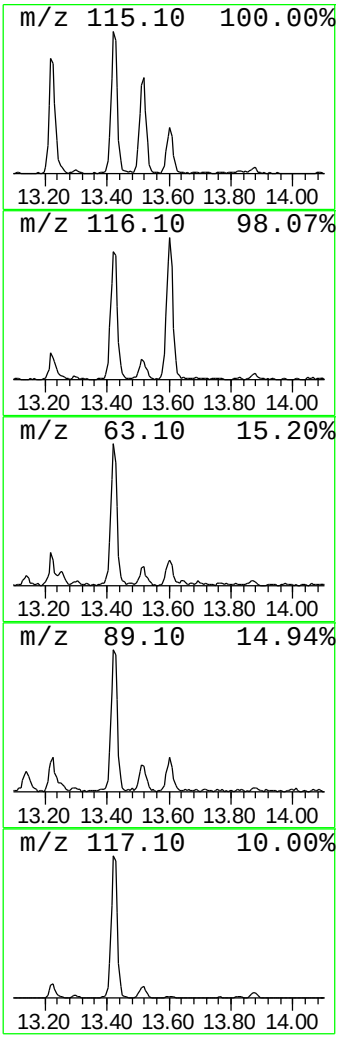
****

Peak Number 25 Indene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	0.57 ug/L	164836	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	91
2	Indene	116	C9H8	000095-13-6	91
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

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

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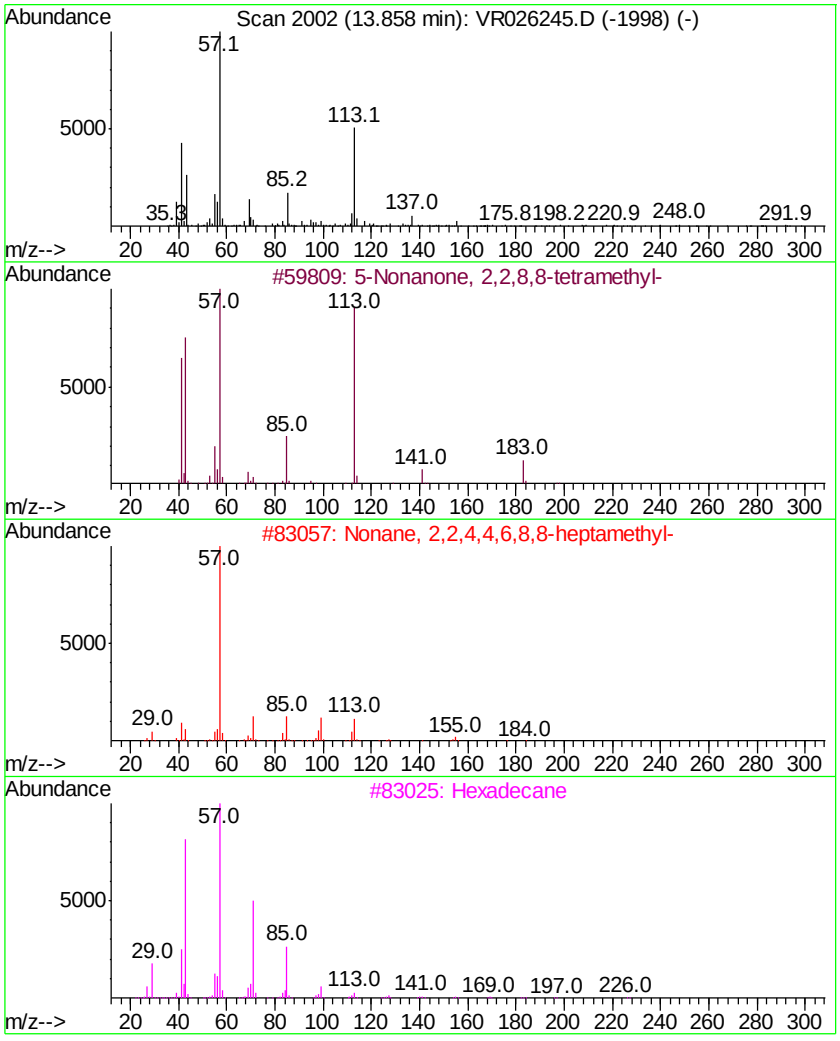
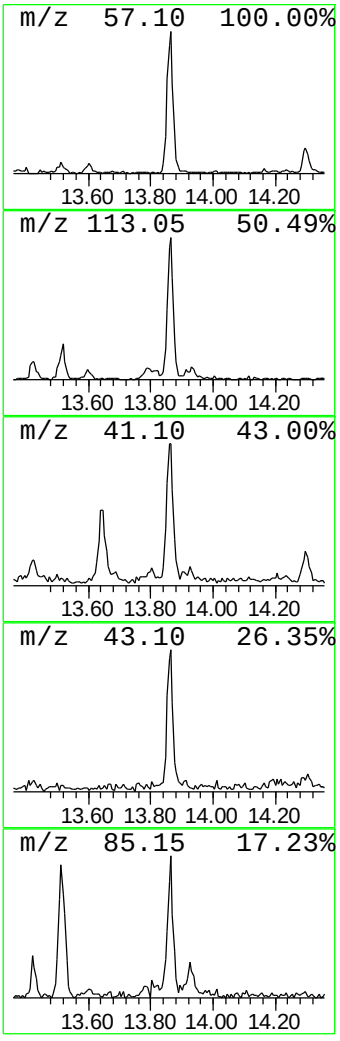
Peak Number 26 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	0.86 ug/L	247265	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Nonanone, 2,2,8,8-tetramethyl-	198	C13H26O	005709-95-5	42
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	37
3	Hexadecane	226	C16H34	000544-76-3	25
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	22
5	2-Butanone, 1-chloro-3,3-dimethyl-	134	C6H11ClO	013547-70-1	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0

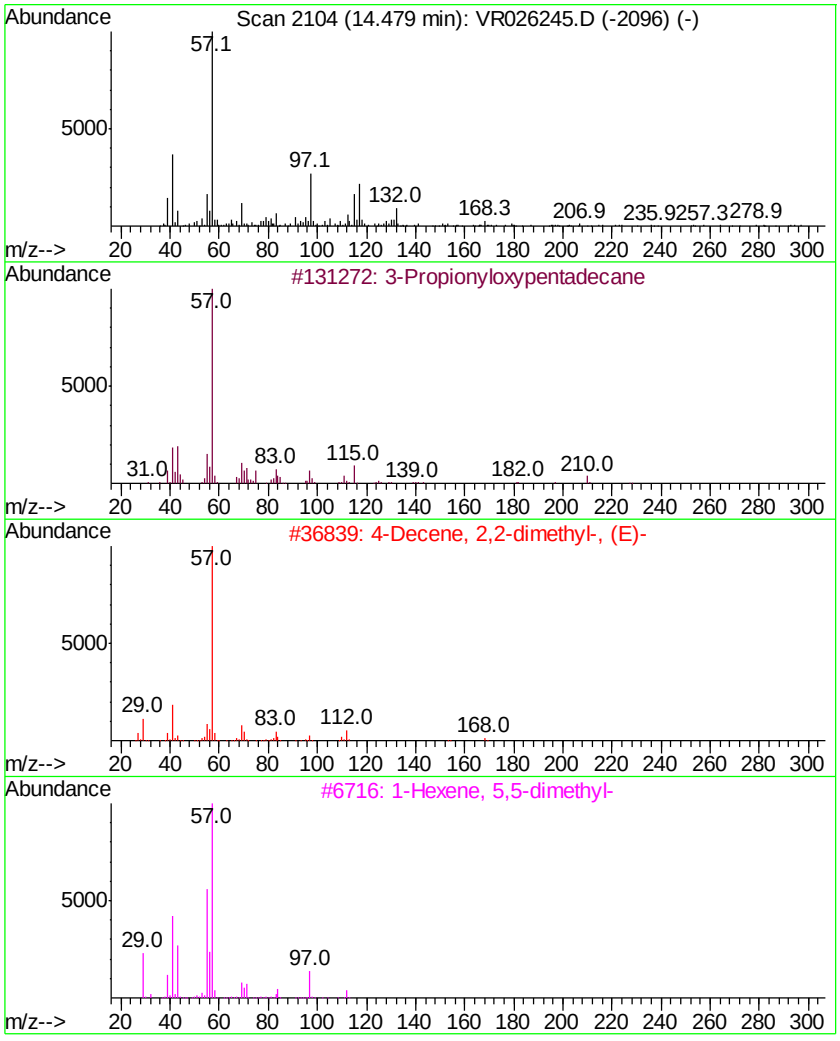
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

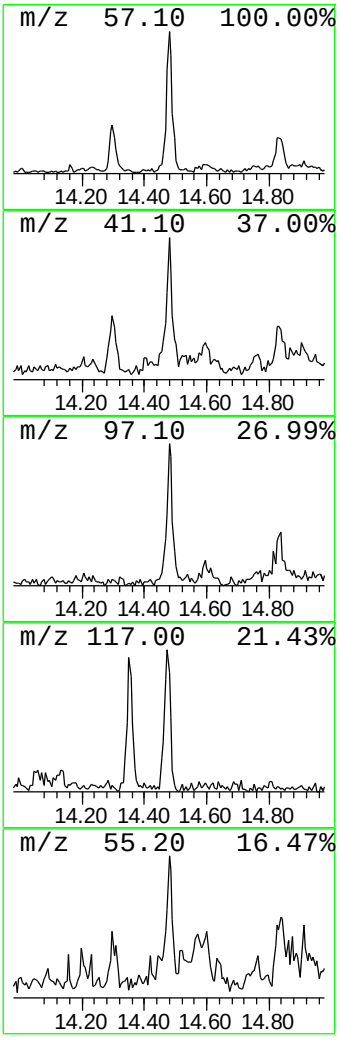
****

Peak Number 27 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	0.53 ug/L	154456	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Propionyloxypentadecane	284	C18H36O2	1000245-63-1	25
2	4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	22
3	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	16
4	2- Chloropropionic acid, pentade...	318	C18H35ClO2	1000292-44-1	14
5	2,4,4-Trimethyl-1-pentanol, hept...	326	C12H17F7O2	1000365-01-4	12





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
Data File : VR026245.D
Acq On : 21 Nov 2018 00:53
Operator : SY/MD
Sample : J6026-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : H0FK5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.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...	1.78	24.6	ug/L	9561200	1	8.46	1945990	5.0
(DEL) Alkane: Str...	1.99	1.0	ug/L	405108	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	2.34	4.1	ug/L	1589850	1	8.46	1945990	5.0
(DEL) Alkane: Str...	2.73	1.0	ug/L	406685	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	2.97	8.0	ug/L	3126310	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	3.07	7.8	ug/L	3037630	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	3.22	1.1	ug/L	436804	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	3.37	2.7	ug/L	1035830	1	8.46	1945990	5.0
1,3-Cyclopentadiene	4.05	0.5	ug/L	199940	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	4.28	4.0	ug/L	1549460	1	8.46	1945990	5.0
(DEL) Alkane: Str...	4.44	0.8	ug/L	313448	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	5.24	5.1	ug/L	1972300	1	8.46	1945990	5.0
(DEL) Alkane: Str...	5.41	0.8	ug/L	293533	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	5.58	0.9	ug/L	340940	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	6.05	1.5	ug/L	597069	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	7.40	0.6	ug/L	244822	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	7.58	1.1	ug/L	430488	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	8.13	0.8	ug/L	304609	1	8.46	1945990	5.0
(DEL) Alkane: Cyc...	8.19	1.2	ug/L	451131	1	8.46	1945990	5.0
Cyclohexene, 4-et...	10.91	1.6	ug/L	603609	2	11.29	1828150	5.0
Benzene, 1-ethyl-...	12.78	0.8	ug/L	239317	3	13.23	1444250	5.0
Benzene, 1,2,3-tr...	12.92	2.1	ug/L	595903	3	13.23	1444250	5.0
Indane	13.42	5.0	ug/L	1445140	3	13.23	1444250	5.0
Indene	13.60	0.6	ug/L	164836	3	13.23	1444250	5.0
unknown-01	13.86	0.9	ug/L	247265	3	13.23	1444250	5.0
unknown-02	14.48	0.5	ug/L	154456	3	13.23	1444250	5.0