LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

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_Y\METHODS\82Y062920S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.773	972	990	1001	rBV4	2003063	6783184	1.26%	0.166%
2	8.011	1019	1029	1045	rBV	2082594	5428398	1.00%	0.133%
3	8.169	1045	1055	1065	rBV	3491159	8113649	1.50%	0.198%
4	8.553	1109	1118	1132	rBV	3646970	7941448	1.47%	0.194%
5	9.193	1207	1223	1229	rBV2	13880115	34832802	6.45%	0.851%
6	9.297	1229	1240	1249	rBV2	90947355	205542405	38.03%	5.023%
7	9.376	1249	1253	1259	rVB	4779539	8912479	1.65%	0.218%
8	9.468	1259	1268	1280	rVB2	4261986	12390594	2.29%	0.303%
9	9.614	1281	1292	1306	rVB2	6109205	14179299	2.62%	0.347%
10	9.766	1306	1317	1321	rBV	11270696	25050652	4.64%	0.612%
11	9.833	1321	1328	1341	rVB2	47117157	136297440	25.22%	3.331%
12	9.974	1341	1351	1364	rVB3	27406304	85412997	15.80%	2.087%
13	10.095	1364	1371	1379	rBV3	2454400	8225708	1.52%	0.201%
14	10.193	1379	1387	1391	rBV	36539934	97940717	18.12%	2.394%
15	10.242	1391	1395	1397	rBV2	59244472	87520541	16.19%	2.139%
16	10.382	1411	1418	1428	rVB5	96305606	285159277	52.76%	6.969%
17	10.541	1434	1444	1452	rVB	34705476	86292107	15.97%	2.109%
18	10.632	1452	1459	1469	rBV2	19317982	46332234	8.57%	1.132%
19	10.723	1469	1474	1484	rVB4	7215254	14922184	2.76%	0.365%
20	10.815	1484	1489	1494	rBV	5527704	10940094	2.02%	0.267%
21	10.980	1510	1516	1522	rBV	7402988	17962252	3.32%	0.439%
22	11.047	1522	1527	1532	rVV	12348514	25378726	4.70%	0.620%
23	11.101	1532	1536	1542	rVB	4433628	8464589	1.57%	0.207%
24	11.290	1561	1567	1578	rVB3	5649646	16232564	3.00%	0.397%
25	11.394	1578	1584	1592	rBV	3512098	10786447	2.00%	0.264%
26	11.486	1592	1599	1615	rBV4	87910109	362226521	67.02%	8.852%
27	11.717	1628	1637	1659	rVB5	72353349	250344507	46.32%	6.118%
28	11.955	1660	1676	1682	rBV3	4000163	16708806	3.09%	0.408%
29	12.046	1683	1691	1701	rVV4	97051149	313999458	58.10%	7.674%
30	12.138	1701	1706	1714	rVV	2543306	6891815	1.28%	0.168%
31	12.260	1714	1726	1736	rVV3	94778196	277507531	51.35%	6.782%
32	12.351	1736	1741	1754	rVB	9282077	24118920	4.46%	0.589%
33	12.601	1768	1782	1800	rVB7	129851798	468211742	86.64%	11.442%
34	12.772	1800	1810	1817	rBV8	144080486	540436394	100.00%	13.207%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

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_Y\METHODS\82Y062920S.M
Title : SW846 8260

35	12.845	1820	1822	1826	rVB3	106363424	133970425	24.79%	3.274%
36	12.894	1826	1830	1833	rBV4	94723488	175361788	32.45%	4.286%
37	13.375	1903	1909	1916	rVB	6170814	9028473	1.67%	0.221%
38	13.455	1916	1922	1923	rVV	4676248	6839943	1.27%	0.167%
39	13.479	1923	1926	1933	rVB	10441448	14587833	2.70%	0.357%
40	14.467	2068	2088	2096	rBV2	101522868	200734075	37.14%	4.906%
41	14.540	2096	2100	2115	rVB	3299862	5489337	1.02%	0.134%
42	14.796	2135	2142	2151	rBV	11304737	18426641	3.41%	0.450%

Sum of corrected areas: 4091926996

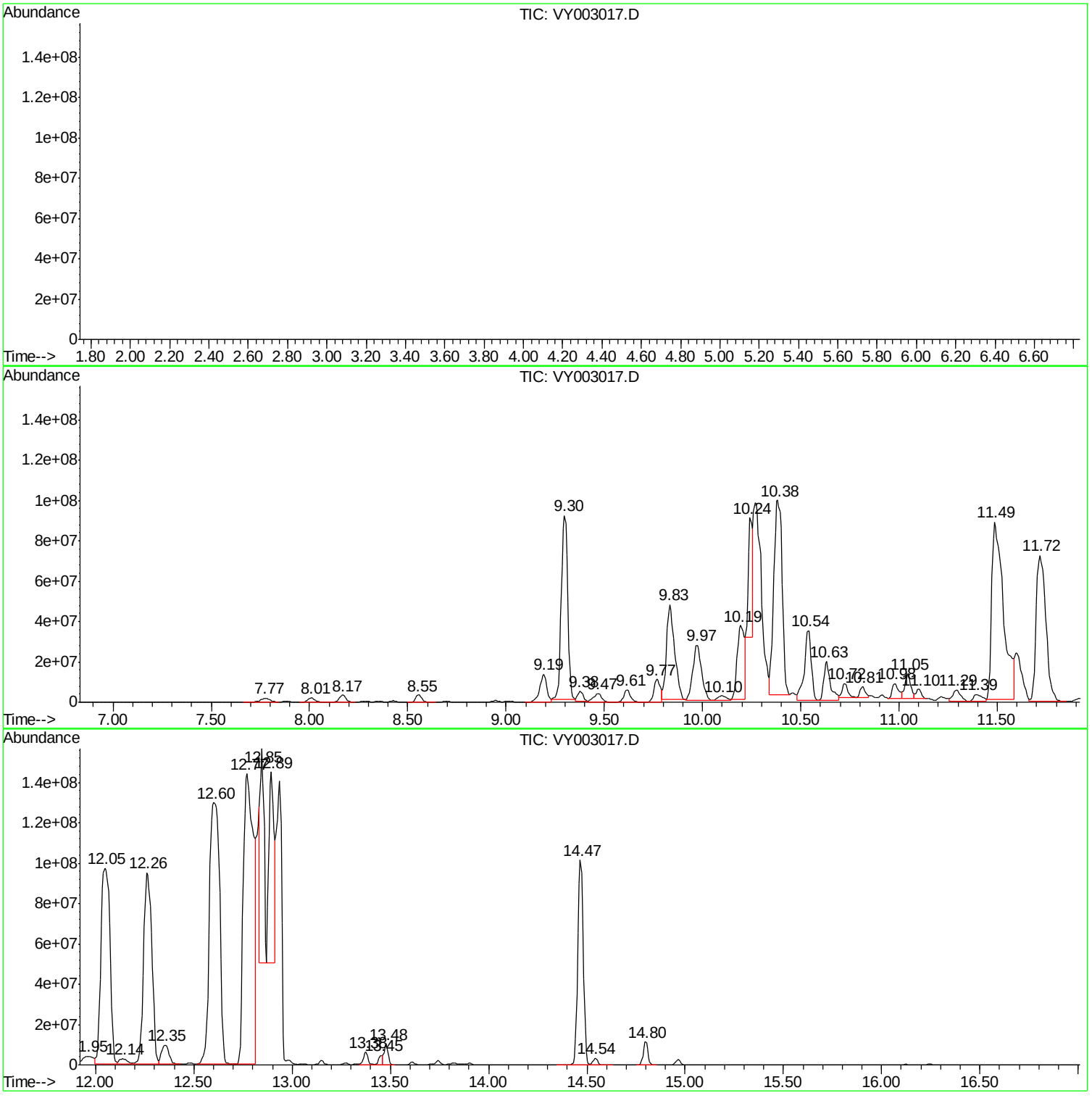
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

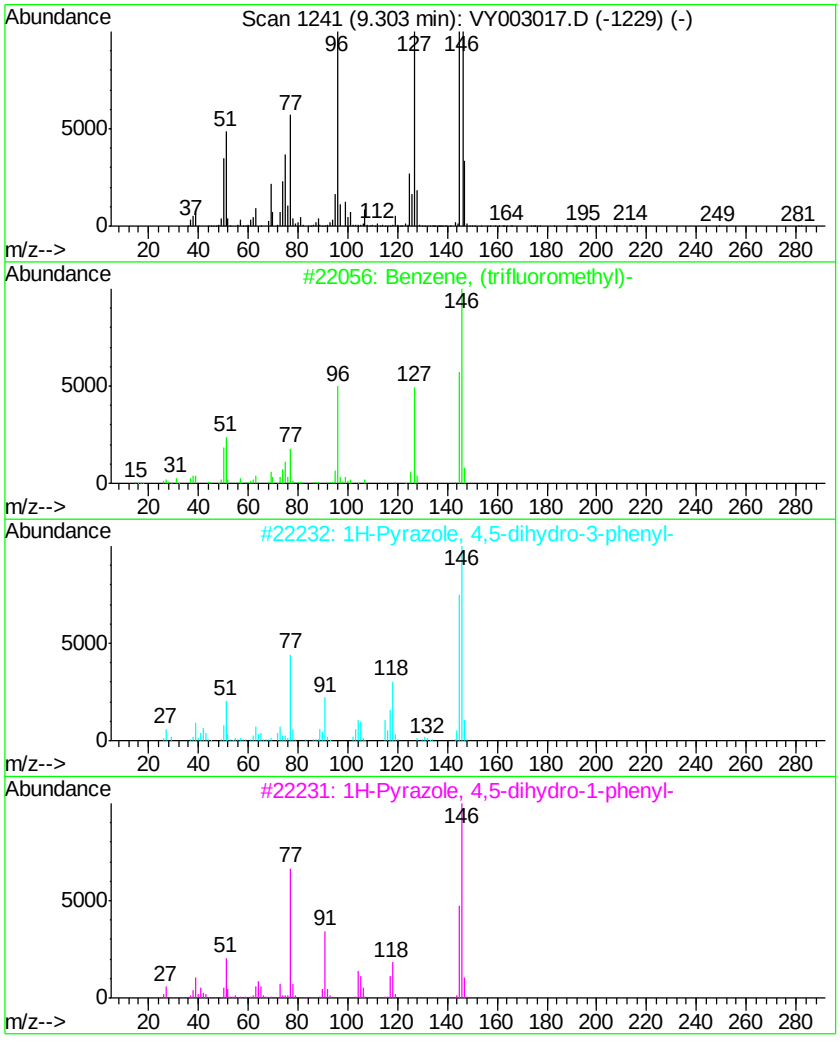
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

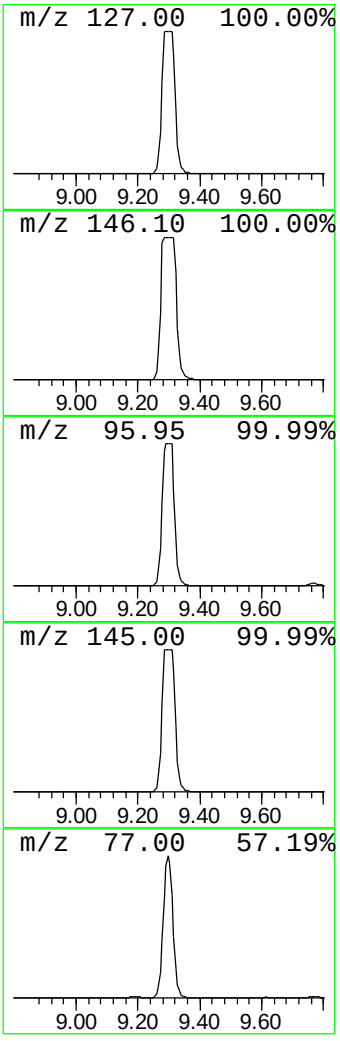
****

Peak Number 1 Benzene, (trifluoromethyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	1294.11 ug/l	205542000	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (trifluoromethyl)-	146	C7H5F3	000098-08-8	68
2	1H-Pyrazole, 4,5-dihydro-3-phenyl-	146	C9H10N2	000936-48-1	35
3	1H-Pyrazole, 4,5-dihydro-1-phenyl-	146	C9H10N2	000936-53-8	27
4	1H-Indazole, 3,6-dimethyl-	146	C9H10N2	007746-28-3	16
5	Octanoic acid, cyclopentyl ester	212	C13H24O2	005457-69-2	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

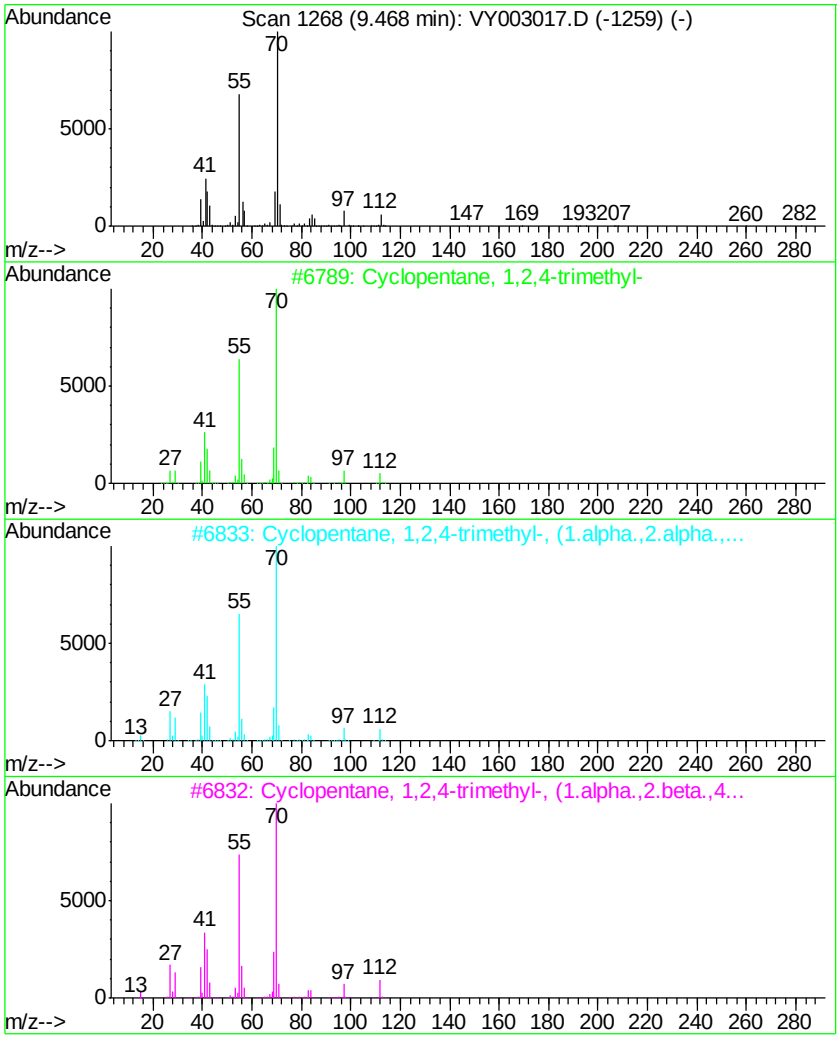
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

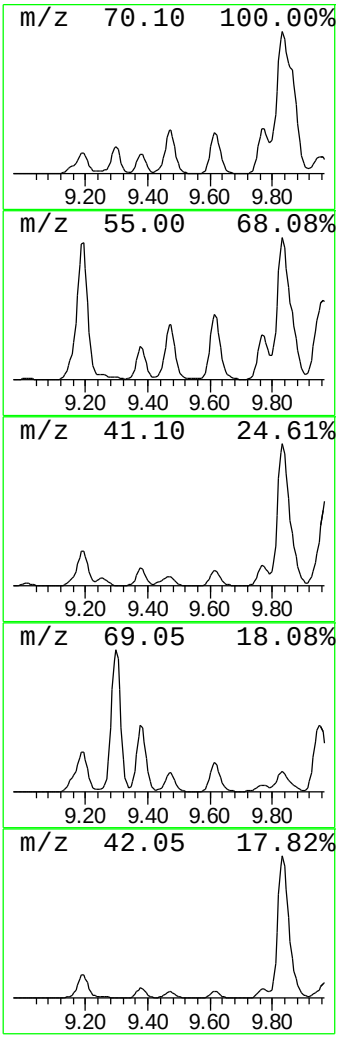
****

Peak Number 2 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	78.01 ug/l	12390600	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	83
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

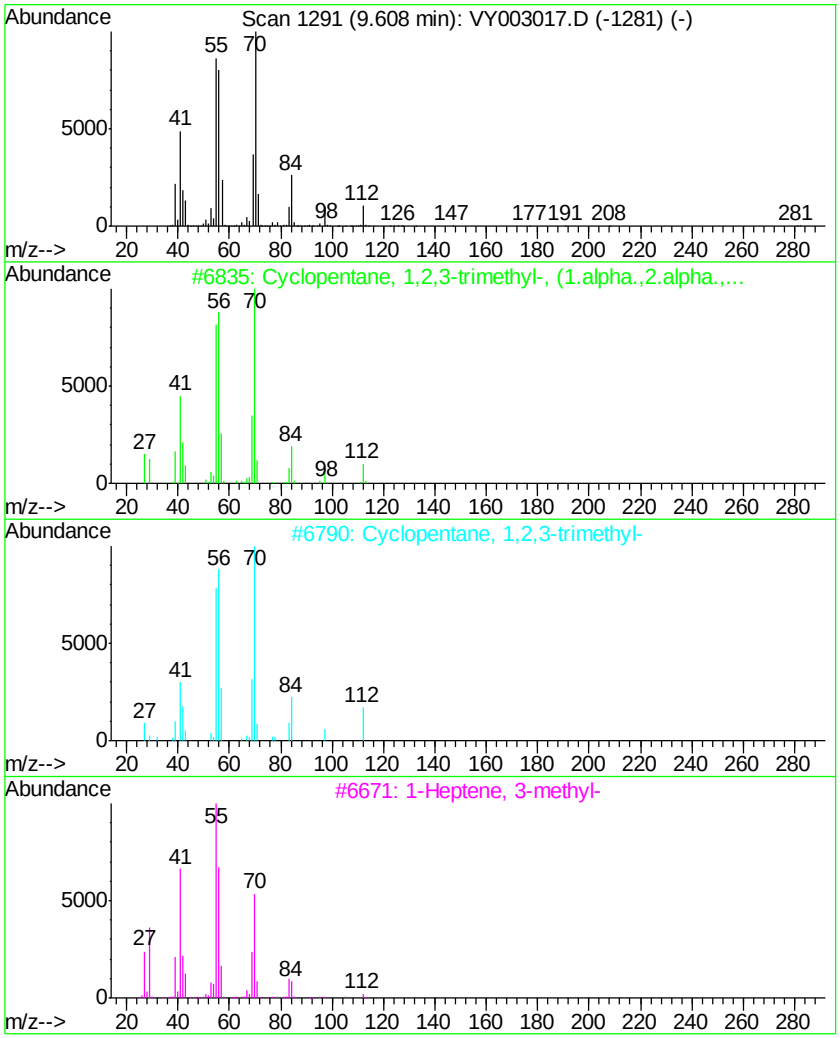
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

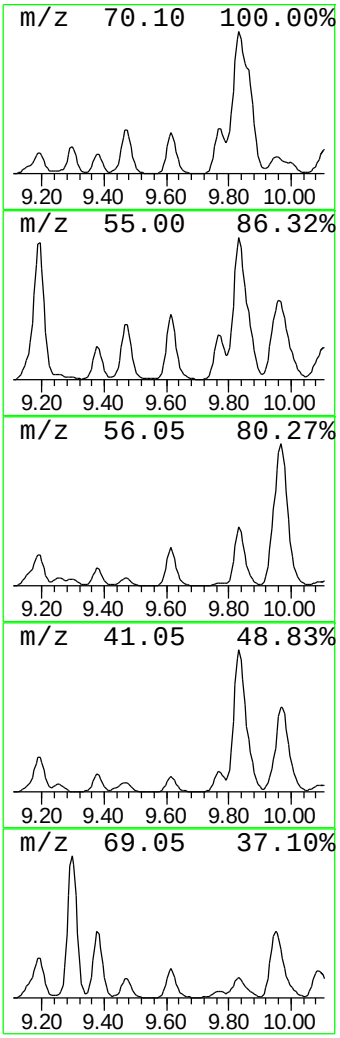
****

Peak Number 3 Cyclopentane, 1,2,3-trimeth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	89.27 ug/l	14179300	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	83
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

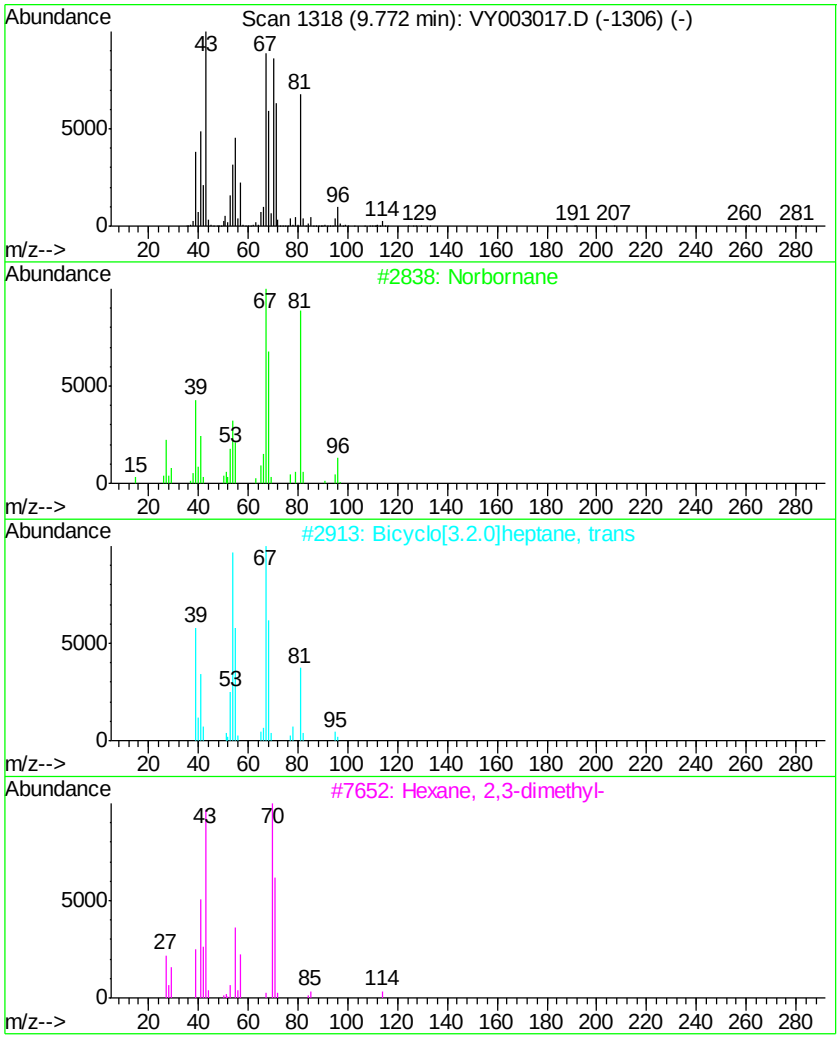
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

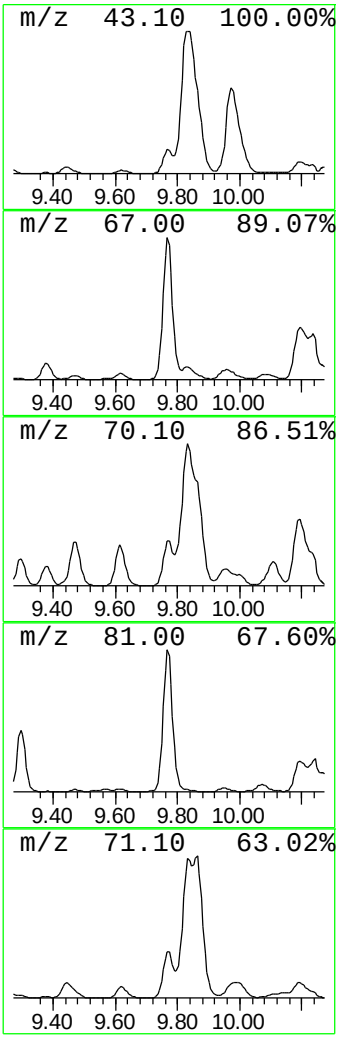
****

Peak Number 4 Norbornane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	157.72 ug/l	25050700	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Norbornane	96	C7H12	000279-23-2	91
2	Bicyclo[3.2.0]heptane, trans	96	C7H12	005597-72-8	45
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	42
4	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	38
5	Vinylcyclopentane	96	C7H12	003742-34-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

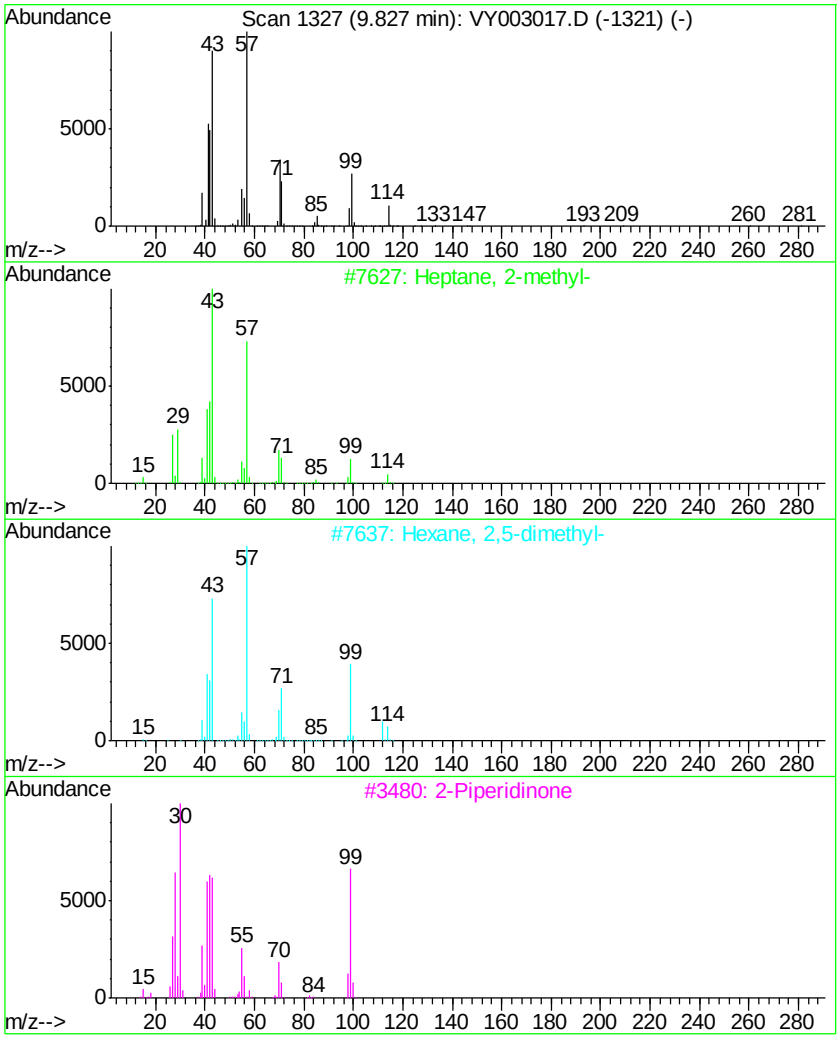
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

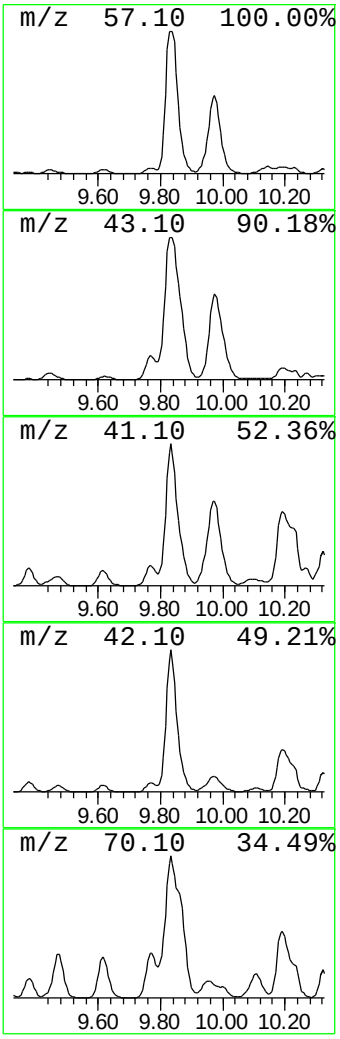
****

Peak Number 5 Heptane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	858.14 ug/l	136297000	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
3	2-Piperidinone	99	C5H9NO	000675-20-7	58
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	43
5	1-Pyrrolidinecarboxaldehyde	99	C5H9NO	003760-54-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

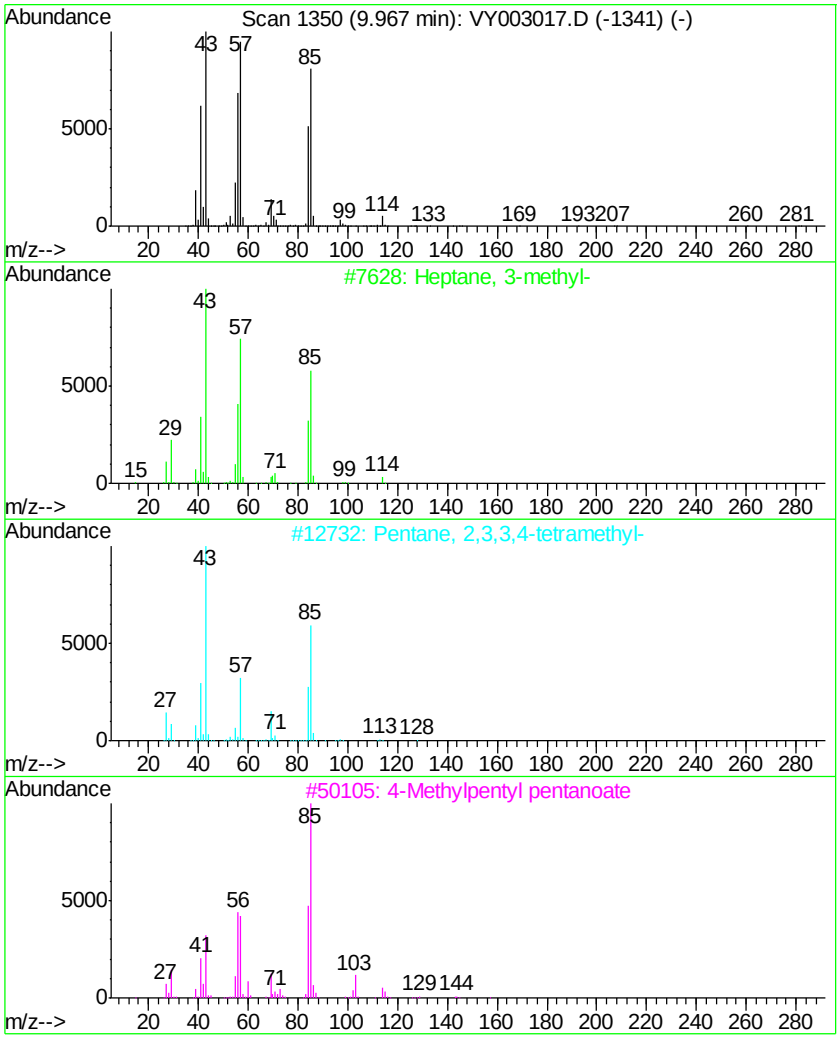
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

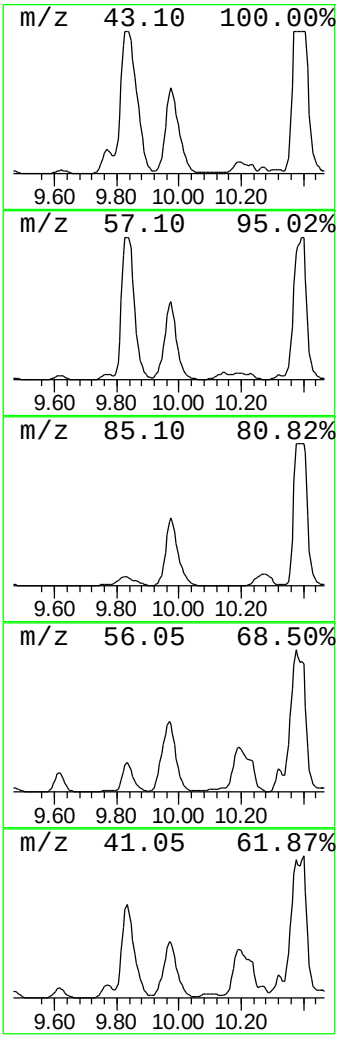
****

Peak Number 6 Heptane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	537.77 ug/l	85413000	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	59
3	4-Methylpentyl pentanoate	186	C11H22O2	035852-47-2	59
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
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Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

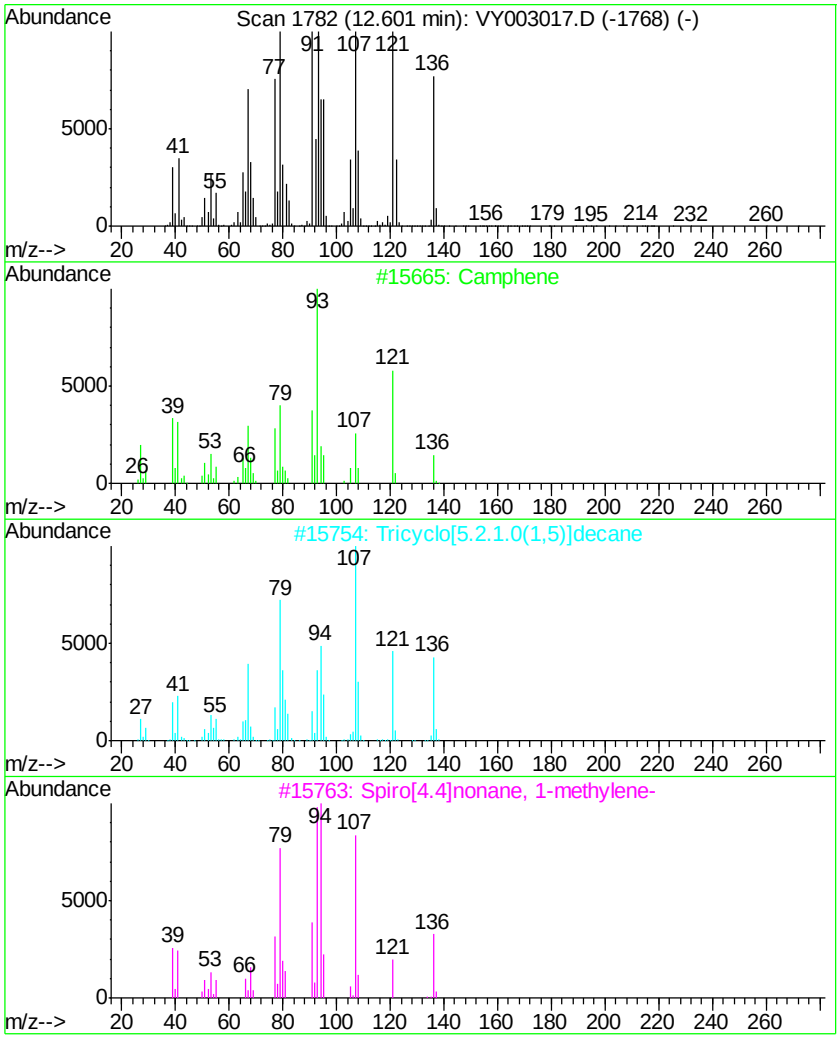
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

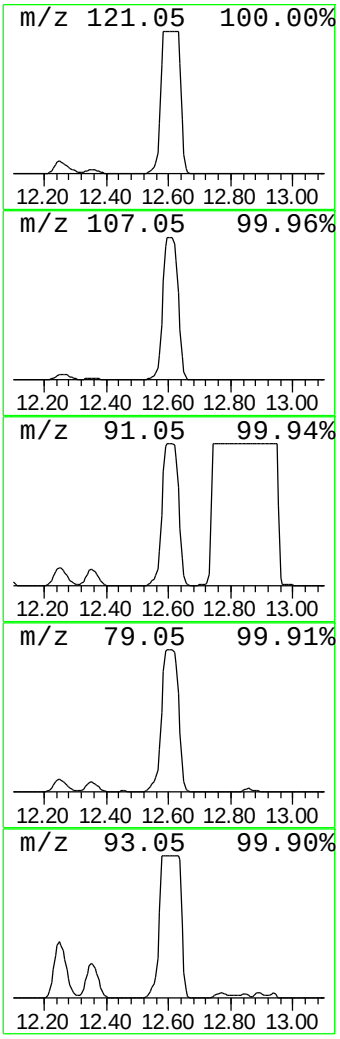
****

Peak Number 7 Camphene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	3422.63 ug/l	468212000	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	62
2	Tricyclo[5.2.1.0(1,5)]decane	136	C10H16	1000190-80-8	55
3	Spiro[4.4]nonane, 1-methylene-	136	C10H16	019144-06-0	53
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	52
5	1,3-Cyclopentadiene, 1,2,3,4,5-p...	136	C10H16	004045-44-7	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

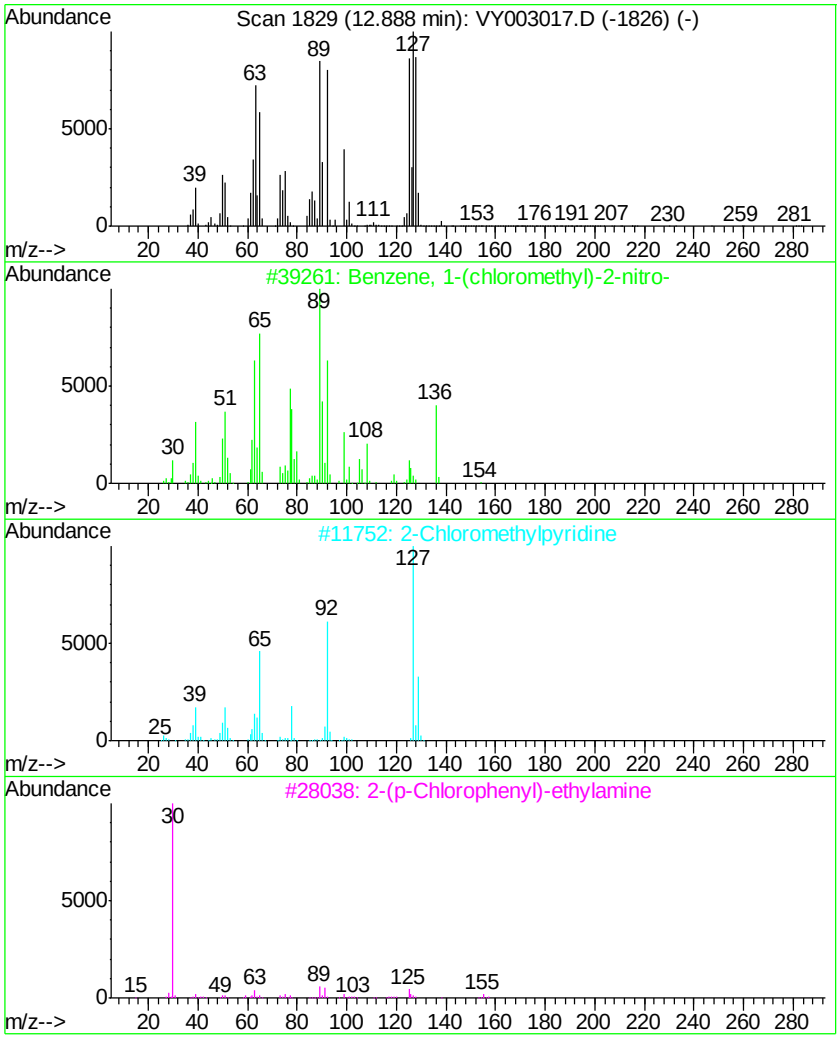
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

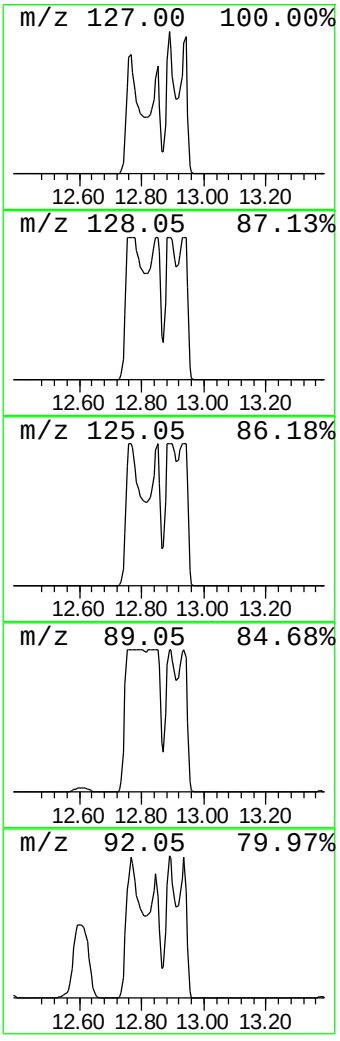
****

Peak Number 8 unknown12.89 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	1281.90 ug/l	175362000	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(chloromethyl)-2-nitro-	171	C7H6ClNO2	000612-23-7	47
2	2-Chloromethylpyridine	127	C6H6ClN	004377-33-7	38
3	2-(p-Chlorophenyl)-ethylamine	155	C8H10ClN	000156-41-2	27
4	2,4-Dichlorophenethylamine	189	C8H9Cl2N	052516-13-9	23
5	3,4-Dichlorophenethylamine	189	C8H9Cl2N	021581-45-3	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

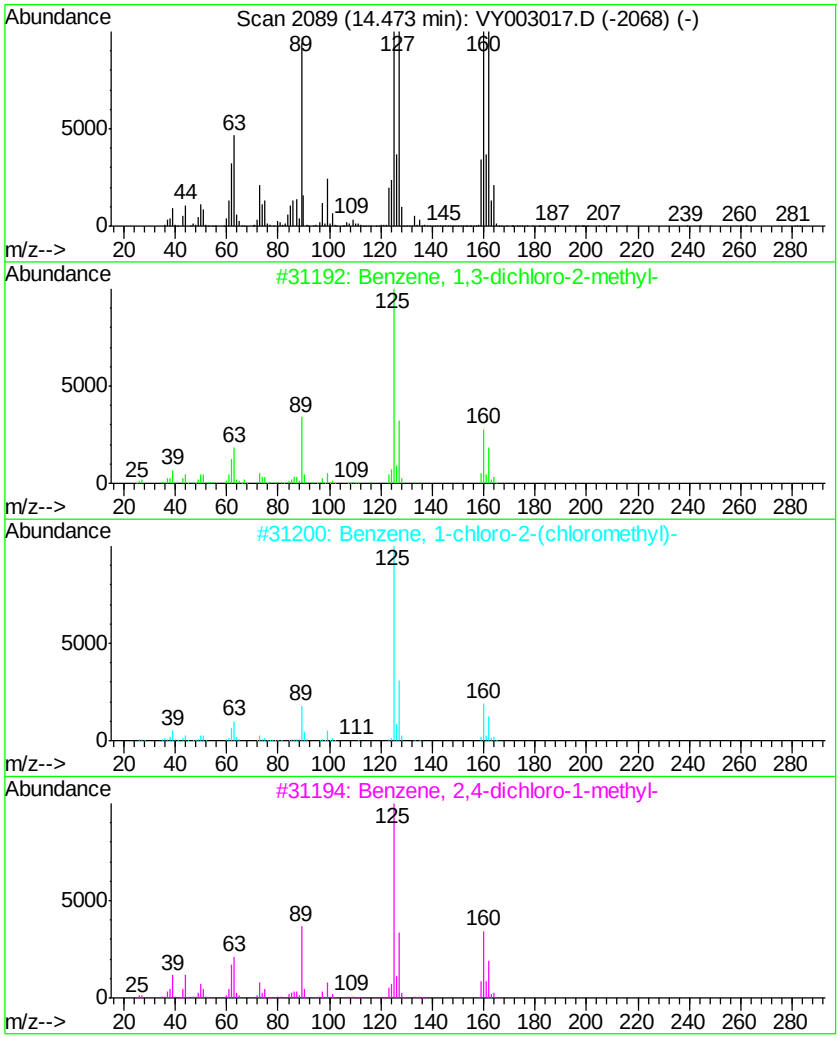
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

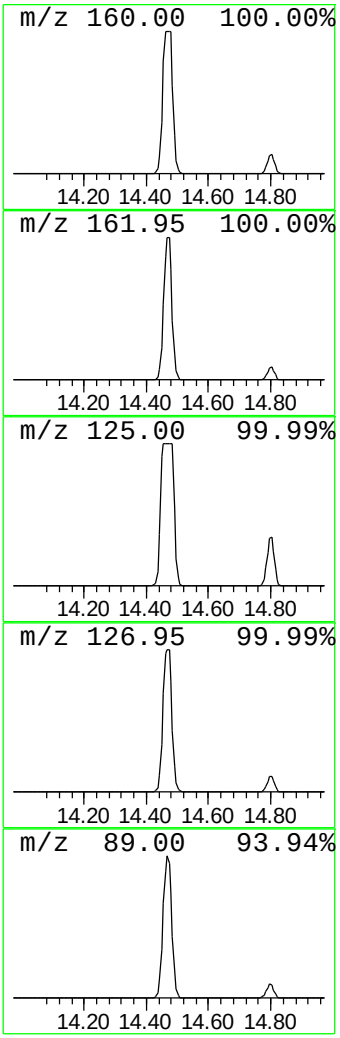
****

Peak Number 9 Benzene, 1,3-dichloro-2-met... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	1467.37 ug/l	200734000	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	72
2	Benzene, 1-chloro-2-(chloromethyl)-	160	C7H6Cl2	000611-19-8	58
3	Benzene, 2,4-dichloro-1-methyl-	160	C7H6Cl2	000095-73-8	53
4	Benzene, 1-chloro-3-(chloromethyl)-	160	C7H6Cl2	000620-20-2	49
5	Benzeneacetonitrile, 4-nitro-	162	C8H6N2O2	000555-21-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

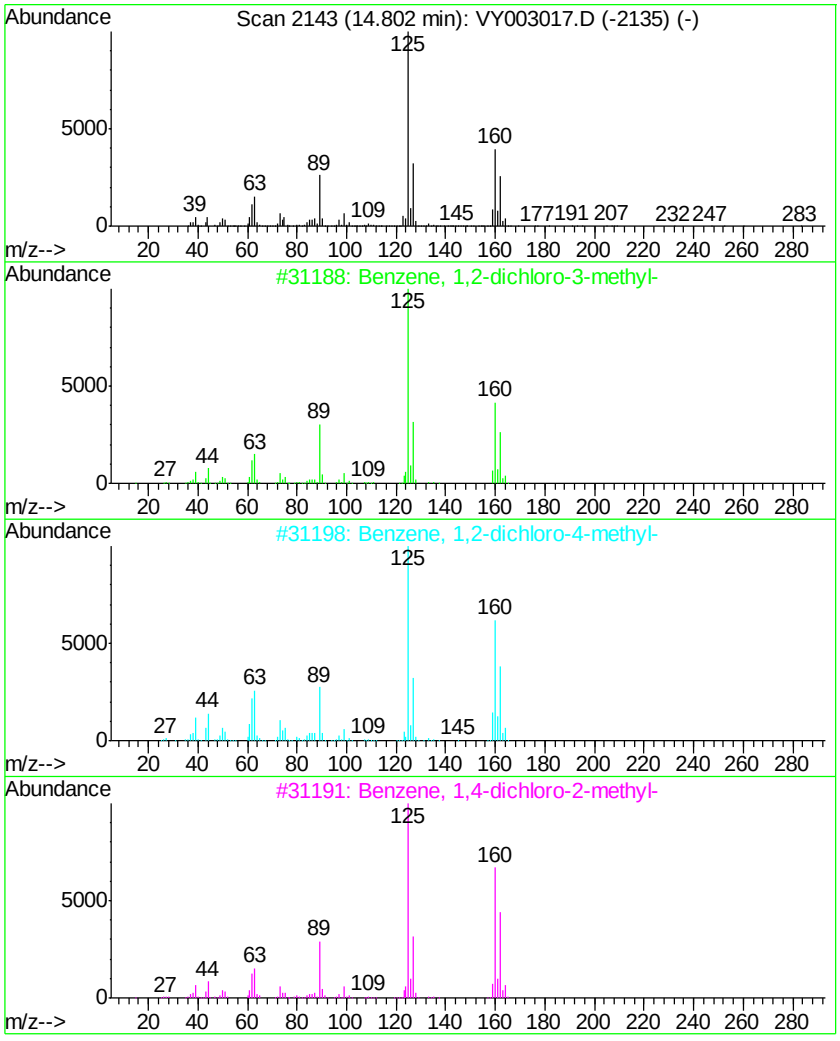
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

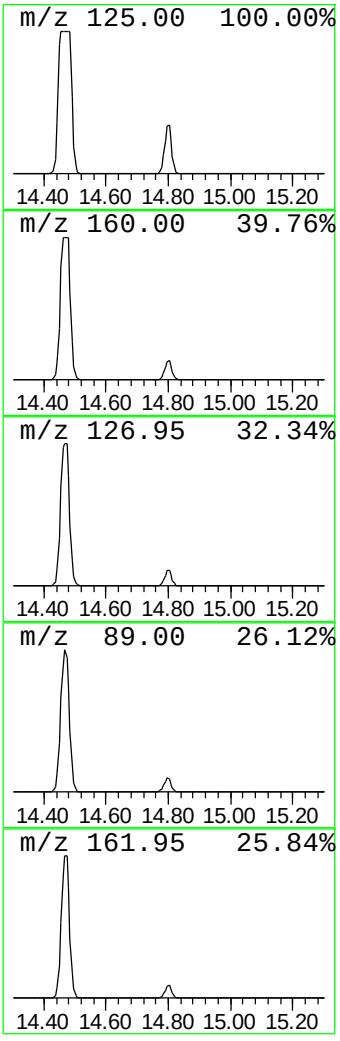
****

Peak Number 10 Benzene, 1,2-dichloro-3-met... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	134.70 ug/l	18426600	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	98
2	Benzene, 1,2-dichloro-4-methyl-	160	C7H6Cl2	000095-75-0	97
3	Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
4	Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	96
5	Benzene, 1-chloro-3-(chloromethyl)-	160	C7H6Cl2	000620-20-2	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003017.D
Acq On : 29 Jun 2020 19:30
Operator : SY/MD
Sample : L3148-05
Misc : 6.51G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EPEC-POLYMERS-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, (trifluo...	9.30	1294.1	ug/l	205542000	2	8.70	7941450	50.0
Cyclopentane, 1,2...	9.47	78.0	ug/l	12390600	2	8.70	7941450	50.0
Cyclopentane, 1,2...	9.61	89.3	ug/l	14179300	2	8.70	7941450	50.0
Norbornane	9.77	157.7	ug/l	25050700	2	8.70	7941450	50.0
Heptane, 2-methyl-	9.83	858.1	ug/l	136297000	2	8.70	7941450	50.0
Heptane, 3-methyl-	9.97	537.8	ug/l	85413000	2	8.70	7941450	50.0
Camphene	12.60	3422.6	ug/l	468212000	4	13.43	6839940	50.0
unknown12.89	12.89	1281.9	ug/l	175362000	4	13.43	6839940	50.0
Benzene, 1,3-dich...	14.47	1467.4	ug/l	200734000	4	13.43	6839940	50.0
Benzene, 1,2-dich...	14.80	134.7	ug/l	18426600	4	13.43	6839940	50.0